NUCLEAR SCIENCE ABSTRACTS

FIVE-YEAR CUMULATIVE INDEX

Volumes 21-25

1967-1971

Part 3

PERSONAL AUTHORS
(H—O)

Prepared under the auspices of the United States Atomic Energy Commission
Office of Information Services/Technical Information Center

Xerox University Microfilms

Copyright © by

Xerox University Microfilms
Ann Arbor, Michigan
1973

XEROX® is a trademark of XEROX CORPORATION

All Rights Reserved
No part of this book may be reproduced in any form without permission in writing from the publisher.

This copyright has been assigned and is held by the General Manager of the United States Atomic Energy Commission. All royalties from the sale of this work accrue to the United States Government.

Library of Congress Catalog Card Number: 50-04390
International Standard Book Number 0-8357-0054-2
Printed in the United States of America

REPORT COLLECTIONS IN THE UNITED STATES

The libraries listed below purchase and maintain microfiche collections of USAEC and foreign reports that are abstracted in *NSA*. Their collections also include *NSA* and its indexes, AEC's Technical Progress Reviews, AEC-sponsored translations, conference proceedings published by AEC, and various bibliographic tools. Most of these libraries have microfiche reader-printers or other photocopy facilities with which to reproduce enlarged copies from microfiche. Charges for reproduction services vary.

Report collections of USAEC reports in countries other than the United States are listed on the inside back cover.

ALABAMA
Auburn, Auburn University
Tuskegee Institute, Tuskegee Institute

ALASKA
College, University of Alaska

ARIZONA
Tucson, University of Arizona

CALIFORNIA
Davis, University of California
Los Angeles, University of California
Santa Barbara, University of California

COLORADO
Boulder, University of Colorado

DISTRICT OF COLUMBIA
Washington, Library of Congress

FLORIDA
Gainesville, University of Florida

GEORGIA
Atlanta, Georgia Institute of Technology

HAWAII
Honolulu, University of Hawaii

IDAHO
Pocatello, Idaho State University

ILLINOIS
Urbana, University of Illinois

INDIANA
Lafayette, Purdue University

IOWA
Ames, Iowa State University

KANSAS
Manhattan, Kansas State University

KENTUCKY
Lexington, University of Kentucky

MARYLAND
Baltimore, Johns Hopkins University
College Park, University of Maryland

MASSACHUSETTS
Cambridge, Massachusetts Institute of Technology
Worcester, Worcester Polytechnic Institute

MICHIGAN
Ann Arbor, University of Michigan

MISSISSIPPI
State College, Mississippi State University

MISSOURI
Columbia, University of Missouri
Kansas City, Linda Hall Library

NEW JERSEY
Princeton, Princeton University

NEW MEXICO
Albuquerque, University of New Mexico

NEW YORK
Albany, New York State Library
Albany, State University at Albany
Ithaca, Cornell University
New York, Columbia University
Rochester, University of Rochester
Syracuse, Syracuse University
Troy, Rensselaer Polytechnic Institute

NORTH CAROLINA
Raleigh, North Carolina State University

OHIO
Cincinnati, University of Cincinnati
Cleveland, Cleveland Public Library

OHIO (Continued)
Columbus, Ohio State University
Toledo, University of Toledo

OKLAHOMA
Norman, University of Oklahoma

PENNSYLVANIA
Philadelphia, University of Pennsylvania
Pittsburgh, Carnegie Library
University Park, Pennsylvania State University

PUERTO RICO
San Juan, University of Puerto Rico

SOUTH CAROLINA
Columbia, University of South Carolina

TENNESSEE
Knoxville, University of Tennessee

TEXAS
Austin, University of Texas
College Station, Texas A & M University
Houston, Rice University

UTAH
Salt Lake City, University of Utah

VIRGINIA
Blacksburg, Virginia Polytechnic Institute
Charlottesville, University of Virginia

WASHINGTON
Pullman, Washington State University
Seattle, University of Washington

WEST VIRGINIA
Morgantown, West Virginia University

WISCONSIN
Madison, University of Wisconsin

USAEC reports so indicated in *Nuclear Science Abstracts* are offered for sale by National Technical Information Service, U. S. Department of Commerce, Springfield, Virginia 22151.

NUCLEAR SCIENCE ABSTRACTS

A semimonthly publication of the USAEC Office of Information Services, John A. Harris, Director.
Published by the USAEC Technical Information Center, Robert L. Shannon, Manager.

Nuclear Science Abstracts provides the only comprehensive abstracting and indexing coverage of the international nuclear science literature. It covers scientific and technical reports of the U. S. Atomic Energy Commission and its contractors, other U. S. Government agencies, other governments, universities, and industrial and research organizations. In addition, books, conference proceedings, individual conference papers, patents, and journal literature on a worldwide basis are abstracted and indexed. Each issue of *Nuclear Science Abstracts* includes four indexes: subject, personal author, corporate author, and report number.

The following organizations scan and abstract the nuclear science literature in their respective countries:

Atomic Energy of Canada Limited
Australian Atomic Energy Commission
Danish Atomic Energy Commission
Finnish Atomic Energy Commission
French Atomic Energy Commission
Japan Atomic Energy Bureau–Atomic Energy Research Institute
Institutt for Atomenergi (Norway)
Aktiebolaget Atomenergi (Sweden)
United Kingdom Atomic Energy Authority
Zentralstelle für Atomkernenergie-Dokumentation (West Germany)

Numerous organizations, societies, and publishers throughout the world provide *Nuclear Science Abstracts* with advance page-proof copy of their publications.

A list of the journals scanned regularly and the abbreviations used appears in the January 15 issue of *Nuclear Science Abstracts* and is supplemented in the July 15 issue. The January 15 issue also describes the scope and arrangement of the subject matter covered in *Nuclear Science Abstracts.* The subject matter covered is also described in TID-4552, *Subject Scope of Nuclear Science Abstracts*, available free from the USAEC Technical Information Center, P. O. Box 62, Oak Ridge, Tennessee 37830. An outline of the subject categories appears in the Contents of each issue.

HOW TO OBTAIN NUCLEAR SCIENCE ABSTRACTS

Nuclear Science Abstracts is available to the public on a subscription basis from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

Commencing in 1973, *NSA* will be issued in two volumes per calendar year. Volume 27 will consist of 12 regular issues January through June, and Volume 28 will consist of 12 regular issues July through December.

For the two 12-issue volumes, the annual subscription rate is $75.50 for domestic subscribers and $94.50 for foreign subscribers. A single issue costs $3.25 domestic rates or $4.07 foreign rates. Domestic rates apply to the United States, Canada, Mexico, and Central and South American countries except Argentina, Brazil, Guyana, French Guiana, Surinam, and British Honduras.

Indexes will be cumulated only for each volume, i.e., on a six-month volume basis.

The annual subscription rate for the two volume indexes is $62.00 for domestic subscribers and $77.50 for foreign subscribers.

The following cumulative indexes are available:

From Johnson Reprint Corporation, 111 Fifth Avenue, New York, N. Y. 10003:

Vols. 1–4, Subjects and Authors (1948–1950), $30.00.

From Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402:

Vols. 5–10, Subjects and Authors (1951–1956), $5.25.

Vols. 11–15, Subjects (1957–1961), $19.00.
Vols. 11–15, Personal Authors (1957–1961), $14.25.
Vols. 11–15, Corporate Authors (1957–1961), $2.50.

Vols. 16–20, Subjects (1962–1966), $36.00.
Vols. 16–20, Personal Authors (1962–1966), $22.50.
Vols. 16–20, Corporate Authors (1962–1966), $3.75.

Vol. 21, Subjects and Authors (1967), $16.00.
Vol. 22, Subjects and Authors (1968), $26.00
Vol. 23, Subjects and Authors (1969), $25.75.
Vol. 24, Subjects and Authors (1970), $22.50.
Vol. 24, Authors (1970), Suppl., $2.00.
Vol. 25, Subjects and Authors (1971), $27.50.
Vol. 26, Subjects and Authors (1972), $37.75.

Cumulative Report Number Index, Vols. 1–15 Revised, $4.00.
Cumulative Report Number Index, Vols. 16–20 Revised, $5.50.
Cumulative Report Number Index, Vols. 21–26, $9.00.

Nuclear Science Abstracts is available on an exchange basis to universities, research institutions, industrial firms, and publishers of scientific information. Government agencies may obtain *NSA* free of charge. Inquiries should be directed to the USAEC Technical Information Center, P. O. Box 62, Oak Ridge, Tennessee 37830.

Nuclear Science Abstracts is also available on 16-mm and 35-mm microfilm in reel or cartridge from Princeton Microfilm Corporation, Alexander Road, Princeton, New Jersey 08540. The cost of Vols. 1–26 (1948–1972) including *Abstracts of Declassified Documents* (1947–1948) is $730.00. The indexes for *Nuclear Science Abstracts* Vols. 1–26 (1948–1972) are also available for $385.00. The cost of each volume (six months) of *NSA* and its indexes is $45.

STAFF OF NUCLEAR SCIENCE ABSTRACTS

Editor and Production Manager
David E. Bost

Associate Editors
Everett J. Hoffman
John W. Norris
Lawrence T. Whitehead

Section Editors
M. Catherine Grissom
Robert C. Kelly
Henry D. Raleigh
Charles E. Stuber
Lee M. Thompson

Descriptive Cataloging Specialist
J. Paul Meredith

Subject Heading Specialist
Sidney F. Lanier

Corporate Author Specialist
Clara L. Fox

Report Number Specialist
Helen W. White

Evaluators
Thomas S. Chapman
John H. Mitchell
Mary H. Newman

Abstractors
E. Ray Bedford
Jane G. Buchanan
D. Lamar Cason
David C. Cunningham
Theodore F. Davis
James R. Dulaney
Helga B. Gerstner
Phyllis C. Hansen
Carolyn D. Houston
W. Hugh Kinser
Lisbeth C. Lieberman
William D. Matheny
Dora H. Moneyhun
Jean F. Peckham
Mona H. Raridon
Julia S. Redford
Jesse W. Rushing
Robert W. Rutkowski
Francis S. Sachs
Lila B. Smith
Polly C. Summers
Helen L. Ward
Kenneth S. Warren
Milton O. Whitson
Martha C. Wilson

Publishing Coordinator
Charles R. Bruce

Computer Processing Coordinator
Noboru Kawakami

Communication concerning the editorial policy and content of *Nuclear Science Abstracts* should be addressed to the Editor, *Nuclear Science Abstracts*, USAEC Technical Information Center, P. O. Box 62, Oak Ridge, Tennessee 37830.

H

H. RAINEY, R. Dissolution of nuclear fuels, 23:19826 (JEN-201-DMa/I-22)
HA, Chung Woo Application of large gamma radiation source to the treatment of parasites in human excreta, 25:27126
  Radiation accidents in atomic energy activities of Korea, 25:16118
HA, Doo Bong Effects of x irradiation on HeLa cells, 25:42295
HA, Tae-kyu Inner electron binding energy in atoms and ions, 23:48718
HAACH, U. Solid state studies of the radiation history of lunar samples, 24:21539
HAACK, K. Reactivity measurements of control and safety absorbers in DR 3, 24:13603 (RISO-M-984)
HAACK, Karsten Leakage measurements of DR 3 containment during reactor operation to meet a demand of maximum 0.1 percent leakage per 48 hours, 21:35724 (RISO-137)
HAACK, L. A. HFIRHY: program for calculation of flow distribution and pressure drop in HFIR core, 23:21520 (ORNL-TM-2541)
  Production of boiling in the high flux isotope reactor for the purpose of investigating boiling detection methods, 25:6048
HAACK, P. Reduction of installation cost of large power plant, 23:40283
HAAG, D. W. Calibration of an excited nuclear state g-factor in terms of the proton g-factor, 23:7906
  Chemical conservation of the alignment of excited nuclei, 24:26595
  g-factor of first excited state in ^{19}Ne, 23:8952
  Half-life and g-factor measurement of an excited state in ^{79}Kr, 22:13958
  Magnetic moment of the $^{7}/_{2}^{-}$ state at 1.29 MeV in ^{41}K, 23:28286
  Magnetic moments of the $^{7}/_{2}^{-}$ mirror states in ^{37}Ar and ^{37}K, 25:48061
HAAG, G. Estimate of stresses in the coating of compressed coated particles, 23:34084 (ORNL-tr-2128)
  Measurement of modulus of elasticity of outer layer on single fuel particles (coated particles) perpendicular to surface, 23:27164 (JUL-562-RW).
HAAG, H. B. Effects of adding gamma-irradiated green beans or fruit compote to the diet of dogs, 21:8952
HAAG, H. W. Measurement of peak voltage of a microtron resonator, 21:9888
HAAG, J. Chromosomal dosimetry on swine lymphocytes, 25:13417
HAAG, R. Applications of current commutation relations, 21:46504
  Collision cross sections in terms of local observables, 21:17176
  General quantum theory of collision processes, 22:9701 (AERE-Trans-1066)
  Mathematical aspects of quantum field theory, 23:15215
  Nets of C*-algebras and classification of states, 24:26454
  Parastatistics, 24:30553 (DESY-70/15)
  Parastatistics, 24:52198
  Quantum field theory, 24:5334
  Quantum-statistical mechanics of infinite systems, 24:49287
  Report on ergodic states, 25:28078
  Role of quantum field theory in the physics of the last decade, 25:36576
  Some problems in quantum field theory, 22:18005
  Structure analysis of quantum field theory, 25:28077
HAAG, Rudolf Conceptual frame of quantum physics, 24:6671
  Fields, observables, and gauge transformations. I, 23:27846 (DESY-69/9)
  Fields, observables, and gauge transformations. I, 23:44708
  Fields, observables, and gauge transformations. II, 24:15657
  Particles and cross sections in a theory of local observables, 21:29473
HAAG, T. Spectroscopic investigation of an argon arc plasma, 23:39452
HAAG, Werner O. Chemistry of allene. II, 21:3125
HAAGE, Horst Conference on radiation protection from unsealed radioactive material and effect of radiation on the cell structure, Aachen, 10/68. IX, 25:35130
HAAGENSEM, U. H. Water pollution studies by means of inactive indium tracer and activation analysis, 25:31886
HAAGENSON, P. Radioactivity, ozone, and potential vorticity associated with tropopause folding, 24:25133
HAAGER, M. Orientation dependency of a resistance increase caused by alpha irradiation, 22:3204
  Relation of orientation to increased resistance produced by α irradiation, 22:4817
HAAHR, V. Comparative experimental and theoretical investigations of DM neutron moisture probe, 21:32496
  On the sensitivity of subsurface neutron moisture gauges to variations in bulk density, 22:28195
HAAHR, Vagner Root development of some cultivated plants in sandy soil, 21:11126
HAAK, E. Cesium-137 in Swedish grain crops as food chains, 25:6663 (FOA-4-4435)
  Migration and plant availability of fission products in lysimeter experiment. I, 22:38257 (FOA-4-4357-28)
  Plant accumulation of fission products under Swedish conditions. IX, 23:11986 (FOA-4-4378)
  Plant accumulation of fission products under Swedish conditions. XI, 23:43658 (FOA-4-4395)
  Plant uptake of fission products. II, 24:48371
HAAK, F. A. Laser action in selected compounds containing C, N, and H or D, 22:50982
HAAKE, E. V. Instrumentation and control, 24:9057
HAAKE, F. Model for the measuring process in quantum theory, 22:39215
  Quantum mechanical correlation functions for the electromagnetic field and quasi-probability distribution functions, 22:34816
HAAKE, Fritz Density operator and multitime correlation functions for open systems, 25:27936
  Quantum statistical theory of superradiance. I, 25:38167
  Quantum statistical theory of superradiance. II, 25:52684
HAAKE, Nicholas Improvements in or relating to nuclear reactors, 22:20893
HAAKER, Lester W. Balanced articulated manipulator, 22:10468
HAAKER, Lester Walter Compact master-slave manipulator, 22:27986
HAALAND, Carsten M. Prog. rpt. on charge neutralization between positive and negative ions, final, 5/20/63—12/30/65, 21:43 (AD-630904)
  Systems analysis of U.S. civil defense via national blast shelter systems, 24:23228 (ORNL-TM-2457)
HAALAND, J. Chemical analysis of high burn-up PuO_2 fuel, 25:18356 (KR-140)
HAAN, Oswald Violation of ΔI absolute value = $^{1}/_{2}$ rule in non-leptonic decays, 25:59405
HAAPAKOSKI, P. Projection model for ground bands of even—even nuclei, 24:35876
HAAR, J. M. SEFOR fuel handling, 24:20601 (GEAP-13565)
HAAR, W. Lifetime measurements of the 748 and 776-keV level in ^{51}Cr, 24:22128
HAARHOFF, P. C. TRANSMIT: computer program to evaluate a multi-electrode electron gun, 23:20047 (PEL-184)
HAARMAN, Roy A. Liquid resistor development, 24:24059 (LA-4250, pp DII.9.1-6)
HAARMANN, Klaus Mechanical properties of newly developed weldable steel, 24:23476
HAARMANN, W. Operation of nuclear power plant with a gas turbine, 23:28542
HAAS, Ann K. Cumulative indexes to the analytical chemistry division annual progress reports, 1964—1966, 21:12284 (ORNL-3904(Rev.1))
HAAS, C. Warren Magnetism and magnetic materials: 1966 digest, 21:13650
HAAS, Charles D. Radiation caries, 23:38866
  Radiation caries: in the terminal cancer patient, 22:31174
HAAS, D. Elastic electron scattering on ^{4}He at energies between 30 and 59 MeV, 22:11900
  Elastic electron scattering on ^{4}He at energies between 30 and 59 MeV, 25:36658 (CERN-Trans-71-13)
HAAS, F. Angular-correlation studies of the reactions $^{12}C(^{3}He,\alpha)^{11}C$ and $^{16}O(^{3}He,\alpha)^{15}O$, 21:2638
  Angular-correlation studies of the reactions $^{16}O(^{3}He,p\gamma)^{18}F$ and $^{16}O(^{3}He,\alpha\gamma)^{15}O$, 21:23431
  Lifetimes in ^{12}B, ^{14}N, and ^{16}O, 25:3569
  Lifetimes of state of ^{30}Si and state of ^{30}P, 25:17777
  Mean lives in ^{13}C and ^{10}B, 24:30699
  Measurement of mean lifetimes by Doppler effect, 23:49337
  Multipole mixture delta (E3/M2) of the transition 5.83 $\rightarrow$ 0 in ^{14}N, 24:43131
  Reaction $^{12}C(h,p)^{14}N$ mechanism, 24:15801
  Recoil-distance measurements of lifetimes, 25:17750
  Study of unbound levels in ^{14}N by the reaction $^{12}C(^{3}He,p\gamma)^{14}N$, 22:9790
HAAS, F. A. Adiabatic invariants and equilibrium of magnetically trapped particles. II, 21:11667 (CLM-R-63)
  Adiabatic invariants and the equilibrium of magnetically trapped particles, 21:18772
  Dynamic stabilization of the theta pinch, 21:44130
  Dynamic stabilization of the theta pinch, 23:32481
  Equilibrium and MHD stability in Tokamak and hybrid systems, 25:38472 (CONF-710607-82)
  Stability of the theta-pinch, 21:9622
  Stability of theta pinch. II, 22:1273
HAAS, F. X. Peak Stripping Program for the Nuclear Data 50/50 Analyzer System, 25:8531 (MLM-1773)
  Total neutron cross sections of ^{9}Be, ^{14}N, and ^{16}O, 22:20449 (CONF-680307-15)
HAAS, F. X. Jr. Energy levels of ^{21}Na, 23:37136 (MLM-1644)
  Stilbene fast neutron spectrometer for study of neutron spectrum of a Pu—Be source, 21:24225
HAAS, G. Interaction of sputtered wall material with fusion plasma, 25:30497 (EUR-4593, pp 471-7)
  Ion heating by inhomogeneous time varying electric fields, 23:10603 (ORO-3777-2)
HAAS, G. A. High temperature indirectly heated cathode structure, 21:34537
HAAS, G. M. Ion heating at the electron—ion hybrid resonance frequency, 23:10602 (ORO-3777-1)
  Ion heating by a modulated electron beam, 25:19650
  Observation of ion heating using a modulated electron beam in a magnetic mirror field, 21:18623
  Observation of oscillations at the ion—ion hybrid frequencies, 24:3336
HAAS, H. Biochemical changes in aortic valve transplants following sterilization, 25:11341
  Damage rates and recovery in electron-irradiated Au—Ag alloys, 25:1293
HAAS, J. Excited-state mixing in cesium—noble gas collisions from D_1 optical pumping, 22:955
HAAS, J. P. Assessment of renal blood flow with radioactive labeled compounds excreted by glomerular filtration, 25:11153
  Brain tumor scintigraphy with /sup 99m/Tc—pertechnetate, /sup 99m/Tc—Fe(II) complex and ^{131}I-labeled macroaggregated albumin, 23:48151
  Comparative determination of hepatic blood flow with colloidal ^{198}Au and colloidal /sup 99m/Tc-S, 25:11140
  Comparison of renal isotope diagnosis with vasoconstrictor content in the renal vein of hypertensive patients, 25:11163
  Contribution of scintigraphy for evaluation of vascular renal diseases, 25:11166
  Principles and techniques of renal scintigraphy with a /sup 99m/Tc iron complex, 22:33888
  Results of brain tumor diagnosis with ^{131}I-labeled albumin macroaggregates, 23:33755
  Results of scintigraphic examinations of breast tumors, 23:20264 (CEA-tr-A-1945)
  Scintigraphic portrayal of vascular system of cerebral arteries, 25:6739
  Technetium-99m—Fe(II) complex: new substance for brain tumour scintigraphy, 24:21222 (LIB/Trans-237)
  X-ray findings following traumatic fat embolism of the lungs, 24:36789
HAAS, Jean Peter Problems, methods, and results of the single shot ^{57}Co cyanocobalamin-clearance, 21:20277

HAAS, John M. Review of radiation therapy to mediastinum, 25:6807
HAAS, K. Extraction of metal cations with chlorophosphonazo dal, 22:6396
HAAS, M. Laboratory investigations in support of fluid-bed fluoride volatility processes. XVI, 22:40150 (ANL-7372)
Prog. rpt. on reduction of atmospheric pollution by application of combustion, annual, 7/68—6/69, 24:29103 (ANL/ES-CEN-1001)
Prog. rpt. on reduction of atmospheric pollution by application of fluidized-bed combustion, annual, 7/69—6/70, 25:23423 (ANL/ES-CEN-1002)
HAAS, Martin DNA replication in bacteria, 23:48264
HAAS, Melvyn L. Semiautomated technic for radioimmunoassay, 24:25353
HAAS, P. A. Application of ion exchange for recycle of 2-ethyl-1-hexanol to sol-gel preparation of spheres, 25:15727 (ORNL-TM-3226)
Design and performance of continuous process equipment for preparation of urania sol, 21:36908
Engineering development of continuous sol-gel equipment for preparing UO_2 sols by precipitation-peptization processes, 22:37839 (ORNL-TM-2227)
Engineering development of sol—gel processes at Oak Ridge National Laboratory, 22:12476 (ORNL-TM-1978)
Preparation of reactor fuels by sol—gel processes, 21:22904 (ORNL-P-2796)
Preparation of sol-gel spheres smaller than 200 microns without fluidization, 25:39572
Preparation of urania and urania—zirconia microspheres by a sol-gel process, 21:6864
Process for preparing oxide gel microspheres from sols, 21:3079
Prog. rpt. on chemical technology, 1—3/66, 21:1425 (ORNL-3995)
Prog. rpt. on chemical technology, 4—6/67, 22:27863 (ORNL-4204)
Prog. rpt. on unit operations section, 10—12/67, 23:49895 (ORNL-4235)
Prog. rpt. on unit operations section, 1—3/68, 23:49896 (ORNL-4364)
Prog. rpt. on unit operations, 7—9/67, 23:35260 (ORNL-4234)
Prog. rpt. on unit operations, 7—9/68, 24:22729 (ORNL-4366)
Sol-gel process development, 21:1429 (ORNL-3995, pp 29-35)
Sol-gel process development, 22:17159 (ORNL-4075, pp 38-42)
Sol-gel process development, 22:28887 (ORNL-4204, pp 22-39)
Sol-gel process development, 23:16510 (ORNL-4275, pp 15-56)
Sol-gel processes for urania—thoria fuels, 24:30005 (CONF-700502-, pp 123-36)
Thorium fuel cycle studies, 22:17160 (ORNL-4075, pp 43-61)
Thorium fuel-cycle studies, 21:1428 (ORNL-3995, pp 22-8)
Thorium fuel-cycle studies, 22:27866 (ORNL-4204, pp 40-5)
HAAS, Paul Rulison Project in retrospect, 25:29248
HAAS, Paul A. Dissolution of graphite-base reactor fuels by pressurized aqueous processes, 21:4602
Oxidation of nuclear-grade graphite by nitric acid and oxygen, 21:32950
Preparation of sol-gel spheres smaller than 200 microns without fluidization, 24:6253
Preparing metal oxide microspheres, 21:32974
Sol-gel preparation of spheres: design and operation of fluidized bed columns, 23:46108 (ORNL-4398)
HAAS, R. Considerations on the optimum layout of the experimental facilities for the sora-pulse reactor, 22:39874 (ANL-Trans-616)
Cytokinetic analysis of slowly renewing bone-marrow cells, 24:11894
Malformations following whole body irradiation of rats, 23:50850
Metabolism of nucleic acids of monkey kidney tissue cells after infection with SV-40. III, 24:819 (ORNL-tr-2129)
Morphologic and cytokinetic aspects of bone marrow stroma, 25:16341
Neogenesis of DNA and malformations following whole-body x irradiation of rats, 23:50342
Nucleic acid metabolism of monkey kidney tissue with SV_{40}. IV, 23:33643
Rotating crystal spectrometer at Ispra, 22:28162
SORA, 24:11241 (CONF-690102-, pp 265-85)
SORA reactor: design status report, 21:44507 (CONF-660925, pp 373-411)
Threshold doses for conditioned avoidance behavior using low dose rate gamma radiations, 22:51891
UV-irradiated Simian Virus (SV-) 40, 24:34778
HAAS, R. E. Radiosensitivity of mice exposed to various temperatures and low-dose rate radiation, 25:8768
HAAS, R. J. Cytokinetic analysis of slowly proliferating bone marrow cells during recovery from radiation injury, 25:11077
Effect of continuous intracellular radiation through ^{3}H-thymidine on pregnant rats and on development of their offspring, 25:577
Effect of tritiated thymidine on the oocytes of foetal rats following maternal infusion in pregnancy, 25:42650
Radiation effects in pregnant rats, 24:23316 (CONF-690501-, pp 263-82)
HAAS, R. M. Reaction of uranyl ion with propionaldehyde in the presence and absence of light, 24:41274
HAAS, Rainer J. Complete labeling of all cell nuclei in newborn rats with ^{3}H-thymidine, 22:40601
HAAS, Roland Absorption of natural fallout in soil, 21:45240
Heat barrier in irradiation capsules, 24:19135
HAAS, Rudolph M. Investigation of the photochemistry of the uranyl—uranous system in aldehydes, 22:35871

HAAS, T. W. Adsorption on Nb(110), Ta(110), and V(110) surfaces, 21:28726
Analysis of Auger electron spectra, 24:22583
Auger electron spectroscopy: metallurgical applications, 25:4798
Auger-electron spectroscopy of transition metals, 24:25950
Behavior of refractory metal surfaces in ultrahigh vacuum as observed by low-energy electron diffraction (LEED) and Auger electron spectroscopy, 25:37926
Chemisorption on single crystal Mo(112) surfaces, 24:23483
Low-energy electron scattering from clean and H-covered Nb (110) surfaces, 23:23275
Oxygen-2 and CO interaction with Al films grown on Ta(110), 22:28744
Scattering of low-energy electrons from H-covered Mo(100) surfaces, 24:23480
Some properties of Re surface, 24:17305
Study of Nb(110) surface using low-energy electron diffraction techniques, 21:42181
HAAS, W. E. Discrepancies in carbon determination by deuteron activation analysis from carbon from the accelerator, 25:46449
HAAS, W. J. Jr. Absorption spectrum and Zeeman effect of dysprosium ethylsulfate, 23:17393 (IS-1987)
HAAS, Willy Special vehicle for fighting damages in terrains contaminated with ABC substances, 25:57622
HAASBROEK, F. J. Assay of ^{32}P in biological material by using a Cherenkov counter, 23:7940
Assay of mixtures of ^{54}Mn and ^{65}Zn, 22:51185
Calculation of instantaneous counting rates in the measurement of short-lived isotopes, 21:8501
Correction factors for converting mean to instantaneous counting rates in the measurement of short-lived isotopes, 21:6262
Half-life of ^{133}I, 21:10016
Radiometric assay of short-lived isotopes, 22:48828
Use of radioisotopes and radiation in agriculture in South Africa, 25:51961 (A/CONF.49/P-669)
HAASE, D. W. Xenon-128 production process development, 25:4129
Xenon-128 production process development, 25:6379 (DUN-SA-145)
HAASE, E. L. Excited states of α-particle by coincidence measurements, 24:45724
Investigation of T = 0 excited states of ^{4}He using three-particle reactions, 25:17684 (KFK-1055)
Novel time-of-flight method and its applications in nuclear reaction studies, 23:8890
Reaction $d + d \rightarrow p + t$, 24:15778
Spin precession magnet for high energy neutrons and charged particles, 23:49233 (KFK-891)
T = 0 negative parity excited states in ^{4}He, 22:26788 (KFK-679)
HAASE, G. Investigation of silver chloride crystals for detection of charged particles, 21:40112
Mass-spectrometric analysis of deuterium, 23:19651
Radiographic investigation of α reversible β-transformation of pure U, 22:31382 (ANL-Trans-601)
Tracks of charged nuclear particles in AgCl crystals, 22:15639
X-ray diffractometric investigation of the α reversible β transformation of pure U, 21:4974
HAASE, G. F. Systems for experimental isotope irradiation in a production reactor, 22:44915
HAASE, Gunther Mass spectrometric isotope analysis, 24:7402
HAASE, H.-W. Determination of Te in Pb, 23:37899
HAASE, J. Brain scanning: cerebral scintigraphy, 25:26850
Neutron dosimetry with radiation elements, 25:57776
Radiation elements for dosimetry of neutrons and mixed radiation, 21:335
HAASE, Jens Detection of space-occupying intracranial lesions, 25:26852
HAASE, Joachim Calculation of complex atomic scattering factor for fast electrons, 22:52510
Coefficients for adjustment of complex scattering factors for fast electrons. II, 25:10055
HAASE, V. Methods of analysis of gamma spectra, 23:7775 (KFK-730)
HAASEN, P. Flux pinning, 25:19595
Influence of dislocation on the superconductivity of niobium in a magnetic field, 22:34566
Slope function of superconducting oriented niobium single crystals from probe measurements, 21:7161
Solid solution hardening of silver crystals by cadmium, 24:25711
HAASEN, Peter Mechanism of hardening superconductors, 23:23030
HAASS, F. Radiotherapy of Ewing sarcomas, 25:16261
HAATUFT, A. Neutral-decay mode of eta^0 and ω^0 mesons, 23:49060
Search for decay mode eta$^0 \rightarrow \pi^0\gamma\gamma$, 22:5494
HAAVE, C. R. VLF phase disturbances, HF absorption, and solar protons, 24:6423
Vlf phase disturbances, hf absorption, and solar protons in PCA events of 1967, 25:1075
Vlf phase perturbations produced by solar protons, 22:5237
HAAVISTO, Heikki Effect of the reactor type on the fuel need from 1970 to 1995, 22:35535
HABA, L. M. Exploding fuel pin experiment, 25:41480
HABANEC, J. Analysis of organic matter by the elastic alpha particle scattering method, 25:15525
Elastic scattering of 4.3- to 5.1-MeV polarized protons by neon, 21:21498
Optical model applied in the low energy region of light nuclei, 24:8853
Scattering of polarized protons by neon, 21:23451
Scattering of polarized protons by neon, 21:44602 (UJV-1596)
Sodium-21 levels from scattering of polarized protons by neon, 21:44603 (ZFK-122, pp 176-82)
HABANEC, Josef Energy and monochromaticity of U-120 cyclotron beam, 21:21336

Improvement of responsive layer depth and energy resolution by cooling surface-barrier silicon detectors, 25:13217
HABASHI, Fathi Polarography of uranium by the catalytic nitrate wave, 21:10289
Radioactivity in phosphate animal feed and fertilizers, 21:6509
HABAZIN, Vlasta New evidence concerning the molecular basis of the restorative effect of DNA in cultured mammalian cells, 25:11243
UV-induced DNA-to-protein cross-linking in HeLa cells, 25:10975
HABBANI, F. I. Response of Farmer—Baldwin dosemeters to x-rays, 25:21454
HABCZYNSKA, Danuta Pathomorphology of the lungs in experimental radiation sickness in rabbits, 23:31928
Renal pathomorphology in experimental radiation sickness in rabbits, 23:29793
HABECK, Edgar A. Evisceration of bowel through the vagina following irradiation for cervical carcinoma, 23:26949
HABEGGER, L Spatial effects in transfer-function measurements of large nuclear reactor power systems, 25:60041
HABEGGER, L. Lyapunov stability of spatially-dependent nonlinear reactor system including an external primary heat exchanger, 25:60239
Root loci approach in the study of stability of linear homogeneous space-time reactors, 24:40939
Temperature coefficients in a nonlinear space-dependent reactor system, 24:33537
Use of quasilinearization for the solution of nonlinear space-dependent reactor equations, 24:7326
HABEGGER, L. J. Space-dependent transfer-function analysis of large nuclear-reactor power systems, 25:36987 (ANL-7788)
Summary review of neutronic noise techniques for incipient boiling detection in LMFBRs, 24:18613 (ANL-7652)
Use of quasilinearization for the identification of nuclear reactor parameters, 21:38498
HABEGGER, Loren J. Parameter identification in a nonlinear reactor system, 25:60042
Use of a Kalman filter for determination of EBWR dynamic characteristics, 22:32891
HABEGGER, Loren James Estimation of nuclear reactor parameters, 23:28606
HABEL, R. Search for optimum electric pulses to obtain tracks in isotropic monogap chambers, 22:33664
Three-stage image intensifier with magnetic focusing, 21:19987 (LNF-65/31)
HABENER, Joel F. Hypothalamic change and water metabolism following yttrium, ^{90}Y, hypophysectomy in man, 21:10990
HABENSCHUSS, Michael Structural, magnetic, and spectroscopic study of nickel squarate dihydrate, 25:20865 (IS-T-432)
HABER, A. H. Gamma-ray-induced ESR signals in lettuce, 21:13062
Seedling irradiation of gamma-plantlets, 24:12332
HABER, Alan H. Actions of acute gamma radiation on excised wheat leaf tissue. I, 23:38889
Actions of acute gamma radiation on excised wheat leaf tissue. II, 23:38890
Ionizing radiations as research tools, 25:10977
Photodestruction of chloroplast ultrastructure by red light: location of chlorophyll, 25:11310
Radiosensitivity and rate of cell division, 23:20422
RBE of fast neutrons in growth inhibition: evidence for a component requiring cell division, 25:8801
Senescence in γ-irradiated seeds, 24:32265
HABER, B. Investigation of pion trajectory in Regge-pole model, 22:26657
One-pion exchange and single-isobar production in pp collisions between 3 and 30 GeV, 21:42393
One-pion-exchange model and $N_{1238}^* \rightarrow p\pi$ decay, produced in $pp \rightarrow nN_{1238}^*$ between 2.8 and 10 GeV/c, 22:35016
Photoproduction of ω-mesons from 1.2 to 8.2 GeV, 25:25283
Photoproduction of the A_2 meson, 24:5232
Photoproduction of vector mesons and other resonances at 4.3 GeV, 23:21037
Photoproduction of vector mesons and Δ(1238), 24:49301
Possible exotic exchange in $pn \rightarrow \Delta^-\Delta^{++}$ at 6.98 GeV/c, 24:37630
Production and decay of anti K^{*0}(890) and N^{*-}(1236) resonances in K^-d collisions at 3.0 GeV/c, 24:49339
Proton—proton interactions at 5.5 GeV/c, 21:18904
Reactions $\gamma n \rightarrow p\pi^+\pi^-\pi^-$, $p\pi^+\pi^-\pi^-\pi^0$ and $n\pi^+\pi^+\pi^-\pi^-$ at 4.3 GeV, 25:14521
HABER, Edgar Application of a radioimmunoassay for angiotensin I, 24:4585
Characteristics of antibody to a limited antigenic stimulus, 23:38395
Radioimmunoassay for angiotensin II, 23:38493
Radioimmunoassay for bradykinin in plasma and synovial fluid, 24:2535
HABER, I. Electromagnetic and finite β/sub e/ effects on counterstreaming ion instability, 25:43394
High-Mach-number turbulent magnetosonic shocks, 25:59044
Transverse electromagnetic instabilities in collisionless plasmas, 25:19722
HABER, Irving Transition radiation in inhomogeneous plasma, 25:22525
HABER, Kai Evidence that dark repair system of coliphage T4 is controlled by viral genome, 22:51367
HABER, S. Heat conduction in reactor fuel elements, 23:45467
HABERECHT, Rolf R. Conference on semiconductor silicon, New York, 5/69, 24:19944
Property changes induced by electron beam exposure in various semiconductor and dielectric materials, 21:16629

- HABERER, G. Color indicator for the visualization of radiation fields and the beam adjustment in large irradiation plants, 25:35029
  - Experimental determination of the average linear energy transfer (LET), 21:26453
  - Radiation biophysical investigations in Drosophila melanogaster. II, 25:29499
  - Radiation biophysical investigations in Drosophila melanogaster. I, 25:29522
- HABERER, Gudrun Development of flat ionization chamber for VA-J-15 vibrating condensor electrometer, 21:28281 (ZFK-DOS-5)
  - Development of the tolerance dose, 23:12077 (ZFK-125)
- HABERER, K. Estimated contamination of open drinking-water reservoirs from fission-product fallout after nuclear explosions and extreme reactor accidents, 25:46805 (HMI-B-88)
  - Measurement of alpha-activity with samples of low specific activity, 21:22160
  - Measurements of alpha activity in thick test layers for environmental monitoring, 22:18974
  - Rapid methods for estimation of content of radioactive cations in water, 25:2117
- HABERER, Klaus A rapid method for separation of radiocesium from water samples, 23:40847
  - Hazard to the drinking water supply in catchment basins from heavy radioactive fallouts, 21:18068
  - Radionuclides in water, 23:40866
  - Rapid estimation of radioiodine in water samples, 23:17348
- HABERICH, F. J. Uptake and excretion of ^{3}H$_2$O in rats, 22:430
- HABERKANT, K. Coulomb excitation of Pb isotopes with α and ^{16}O beams, 25:59804
  - Gamma decay of the (p/sub 1/2/$^{-1}$ + 3$^-$) doublet in ^{207}Pb, 24:43374
  - Lifetime and magnetic moment of neutron hole state in ^{207}Pb, 25:5710
  - Low-lying states on ^{208}Bi, 24:43372
- HABERL, A. W. Annealing of neutron- and γ-induced defects in KBr, 23:14873
  - Operation of a 4-mA Dynamitron as a monoenergetic neutron source, 23:27967
  - Operation of a 4mA dynamitron as monoenergetic neutron source, 23:32884 (NYO-3822-9)
  - Water cooled targets for intense ion beams, 21:19095 (NYO-3822-1)
- HABERLAND, H. Differential cross sections for elastic scattering of metastable helium from helium and argon, 22:52505
  - Reactive scattering of hydrogen and deuterium atoms from halogen molecules, 25:8256
- HABERLER, P. L. F. Breakdown of scaling invariance in generalized Bjorken limit of perturbation theory, 25:1438 (AD-706834)
  - Breakdown of scaling invariance in generalized Bjorken limit of perturbation theory, 25:30783
  - Composite particles in a two-dimensional field theory, 21:27429
  - Consistency problems in an extended Schwinger—Thirring—Wess model, 22:13678
  - Relation between bare and physical mass of vector bosons in a two-dimensional field theory, 21:21221
  - Relation between bare and physical mass of fermions, 25:14800
  - SU(3) x SU(3) and dilatation invariance of strong interactions: how are they realized in the symmetry limit, 25:1480 (AD-706838)
  - Two-dimensional quantum electrodynamics with nonzero fermion mass, 23:49202
  - Two-dimensional spinor electrodynamics with nonvanishing fermion mass, 24:3741
- HABERLI, Roland Effect of ionizing radiation on a series of saturated polyesters, 23:17498
- HABERLIN, M. M. Transformation kinetics of the $\beta \rightarrow \alpha$ phase change in U—Cr—Mo alloy, 23:33998
- HABERLIN, Michael Melrose Improvements in the treatment of stainless steel tubes, 22:45761
- HABERMAN, Jerome Radiation-enhanced surface activity of an organic explosive, γ—HMX, 22:40111
- HABERMAN, Norton Fast reactor fuel cycle economics, 24:31079 (CONF-700502-, pp 12-29)
  - Process of preparing nuclear fuel, 24:27808
- HABERMANN, C. E. High-temperature forge for refractory metals, 23:27008
- HABERMANN, E. Radio-retention electrophoresis, 23:33592
  - Radioimmunassay using cellulose-bound antibodies, 23:31670
  - Radioimmunological procedure for quantitative determination of high-molecular weight antigens, 24:23067
  - Solid-phase radioimmunassay and blood level of staphylococcal α-toxin, 23:41271
- HABERMANN, F. W. A. Construction and experimental equipment of Karlsruhe Fast Critical Facility, SNEAK, 21:21765 (KFK-471)
  - Experiments in Karlsruhe fast critical facility, SNEAK, 21:19468 (KFK-472)
  - Iterative method for evaluation of period measurements in a reactor containing an intrinsic neutron source, 22:39934
- HABERMEHL, A. Application of analog computers in biological and medical research, 21:22535
  - Balance studies and ^{47}Ca kinetics in chronic renal insufficiency, 23:29634
  - Calculation of the image errors in scintigraphy, 25:21415
  - Quantitative evaluation of thyroid scintigrams by computer, 25:55282
- HABERMEHL A. Interface and on-line operation of scintiscanner with a digital computer. I, 24:9664
- HABERRECKER, K. Internal magnetic field at Os after Coulomb recoil implantation, 23:30631
  - ZnO crystal as sensitive and selective detector for atomic hydrogen beams, 22:2357
- HABERSBERGEROVA, A. Absorption spectra of intermediates formed during radiolysis and photolysis, 22:40112
  - Comparison of yields of paramagnetic species in radiolysis of glassy methanol by β and γ radiation, 22:37803
  - Hydrogen formation in the radiolysis of liquid methanol, 21:23970
  - Hydrogen formation in the radiolysis of liquid methanol and ethanol, 21:28031
  - Radiation-induced oxidation of liquid methanol, 21:30478
  - Radiolysis of alcohols at low temperatures. II, 24:29345
  - Radiolysis of alcohols at low temperatures. III, 24:31415
  - Radiolysis of alcohols at low temperatures. IV, 24:31416
  - Radiolysis of liquid methanol, 24:16575
  - Radiolysis of methanolic solutions of nitrous oxide, 21:28027
  - Ultraviolet and visible spectra of electrons, unstable radicals, and ions, 21:15919 (UJV-1625)
- HABERSTICH, A. Dynamic stabilization of the z pinch, 25:27789
  - Z-pinch experiments with shock heating, 25:38333 (CONF-710607-14)
- HABERSTICH, Albert Dynamic stabilization of a linear z pinch, 25:19717
- HABERSTROH, R. A. Atomic beam magnetic resonance investigations of ^{12}C and ^{13}C, 24:40569
  - Hfs separations in ground state multiplet of ^{13}C, 23:44839
- HABERT, P. Radiation energy measuring device, 23:4822
- HABERT, R. Behavior of the complex refractive index of an isotropic plasma, 23:8615
- HABETINEK, J. Effects of EMS and γ radiation on the mutability of barley, 24:34293
- HABGOOD, H. W. Isomerization of cyclopropane over Broensted acid catalysts, 24:20770
- HABIB, Anwar Shadow shield whole body counter, 24:5870 (BARC/HP/TM-15)
- HABIB, E. E. Beta—gamma angular correlations and shape-factor measurements in ^{186}Re and ^{188}Re, 24:24590
  - Effect of core spin on exchange of nucleons in scattering of ^{14}N on ^{12}C and ^{13}C, 25:22979
  - Levels populated in ^{193}Ir from beta decay of ^{193}Os, 23:19262
  - Pairing-model calculation of nuclear matrix elements in decay of ^{74}As, 22:37325
  - The decay of ^{186}Re and ^{188}Re, 24:43367
- HABIBI, M. Precision measurement of lifetime and decay branching ratio of Λ^0 hyperon, 25:59260
- HABIBULLAH, A. K. M. Application of isotopes and radiation in rice cultivation, 21:26370
  - Co-ordinated program on application of isotopes and radiation in rice, cultivation, 1964—65, 21:20018 (AECD/AG-9)
  - Interaction of Fe and Mn uptake of P in rice plants by radioisotope technique, 21:26368
- HABICHT, Gail S. Cellular sites of immunologic unresponsiveness, 24:25406
- HABICHT, H. L. Landing and roll-out-aid-using γ-ray techniques, 25:465
- HABIGER, K. E. Concentration and collection of Kr and Xe, 23:29124
  - Concentration and collection of krypton and xenon by selective absorption in fluorocarbon solvents, 22:42814 (K-L-6198)
  - Direct measurement of fast-neutron spectra and the neutron differential-dose albedo for concrete with the NE-213 neutron spectrometer, 21:7317
  - Fluoride volatility plant for reprocessing light water reactor fuels, 23:7597 (K-1759)
  - Liquid bromine pentafluoride release tests, 23:40614 (K-1753)
  - Nuclear safety studies for low-enrichment fluoride volatility fuel reprocessing plants, 22:45143 (K-1734)
- HABIGHORST, L. V. Angiographic and scintigraphic studies of rare bone tumors, 24:777
  - Scintigraphy of skeletal disease with /sup 99m/Tc—iron(II)-complex, 24:7949
- HABING, D. H. Modeling and radiation effects study of LSI/MOS logic system, 25:46663 (SC-DR-710423)
- HABING, Donald H. Response of bipolar transistors to combined EMP and ionization enviroments, 25:21524
- HABING, H. J. Conference on interstellar gas dynamics, Yalta, USSR, 9/69, 25:45265
  - Cosmic-ray heating of the interstellar gas, 23:20645
  - Distances to the pulsating radio sources, 22:47778
  - Heating of the interstellar medium by x rays and by cosmic rays, 25:35784
  - Low-energy cosmic rays and the electron density in H I regions, 22:5169
  - Thermal properties of interstellar gas heated by cosmic rays, 24:1223
- HABRAKEN, L. Addition of Co to the Ti—6Al—4V alloy, 22:28792
  - Cobalt superalloys. I, 23:24933
  - Corrosion of alloys Fe—Cr, Ni—Cr, and Co—Cr, 23:38934
  - Hardening mechanisms in multiphase alloys, 25:35396
- HABROVEC, F. Attempt to prepare martensite with improved mechanical properties, 23:34092
- HABS, D. ^{139}Sm, new nuclide of relevance for systematics of N = 77 isomers, 25:56761
  - Measured differential cross sections for elastic and inelastic scattering of 104-MeV α particles, 25:43832 (NP-18920)
- HABU, T. Energy dependence of LiF and CaF$_2$ thermoluminescent dosimeters for high energy electrons, 22:16915
- HABU, Takashi Dosimetry of megavoltage x-rays and electrons, 23:20019
- HABUSH, A. L. Fort Saint Vrain high-temperature 330-MW(e) gas-cooled reactor, 21:38502
  - Fort Saint Vrain HTGR, 22:16217
  - Fort St. Vrain 330-MW(e) high-temperature gas-cooled reactor, 22:32808
  - Fort St. Vrain: construction and site work, 24:9061
- HACCIUS, Barbara How do plant embryos react to radiation injuries, 21:13059
- HACHENBERG, Otto Radiotelescopes, 23:12482
- HACHISUKA, Takeji Lattice parameter of TaC—WC solid solution, 23:30190
  - Role of Mo in oxidation of TiC—Ni—Mo alloys, 24:2980
- HACHIYA, Yuuki Device for calibrating foils for irradiation, 24:20990
  - Device for changing the spacing of fuel elements in a lattice, 23:26429
  - Device for producing voids, 23:17678
  - Exponential experiments with UO$_2$-light water lattice, 23:37744
  - Nuclear reactor with a fast neutron column, 23:15604
- HACINLIYAN, A. S. Application of a vector-meson dominance model to K/sub 3π/ and eta/sub 3π/ decays, 25:1472
- HACINLIYAN, Avadis Simon Application of vector meson dominance model to 2 π and 3 π decays of K and eta mesons, 24:21967 (COO-264-539)
- HACK, Klaus Sliding friction and wear of pure metals under vacuum of 5 x 10^{-6} torr, 25:11413
- HACK, M. Activity phase of CH Cygni during 1967 to 1970, 25:58482
  - Mass loss from CH Cygni, 23:18310
  - Modern astrophysics, 22:43750
  - Results of the study of population II Cepheid RU Camelopardalis, 22:23991
  - Spectrum of the Bp star HD 36916, 24:10237
- HACK, M. N. Relation between measurement theory and symbolic logic, 22:22262
- HACK, Margherita Chemical composition and evolution of Ap and Am stars, 23:34153
  - Conference on late-type stars, Trieste, Italy, 6/66, 22:23969
  - Hydrogen-poor stars, 22:43739
  - Magnetic and related stars, 22:36596
  - Magnetic and related stars. II, 22:41255
  - Spectra of the magnetic stars, 21:39780
  - Spectrum of the Cepheid RU Camelopardalis, 21:28917
  - Stellar spectroscopy: normal stars, 25:11543
- HACK, Peter Process for manufacturing a zirconia-alumina abrasive with very hard grains, 24:32491
  - Process for manufacturing an abrasive containing Zr and Al oxide, 24:32490
- HACK, R. C. Health physics instrumentation for accelerators, 23:50142
  - Personal fast neutron dosimetry around Nimrod, 23:50178
  - Practical health physics around Nimrod, 23:52076
- HACKBARTH, H. Investigations on primary reactor shielding of Otto Hahn, 25:54252
- HACKE, J. Annual meeting of radiation protection experts, Berlin, Germany, 5/69, 24:27593 (CONF-690540)
  - Collection of radio-iodine in respiratory filters, 22:23172
  - Determination of energy distribution of recoil protons in hydrogen-containing material in neutron irradiation, 22:37988 (CONF-670545-, pp 178-84)
  - Dosimetry and shielding with a 14-MeV neutron generator, 21:11936
  - Microdosimetric conclusions from conductivity measurements in gamma-irradiated dielectric liquids, 24:44028 (EUR-4452, pp 715-36)
  - Nuclear chemistry digest. IV, 23:20214 (HMI-B-78)
  - Separation of radioactive iodine in respiratory filters, 23:13833
  - Shielding of 15 MeV neutrons, 23:30610
- HACKE, Juergen Irradiation of tissue with neutrons, 21:22611
- HACKENBROICH, H. H. Bound states and reactions in light nuclei, 22:26857
  - Calculation for ^{5}Li $^3/_2{}^+$ resonant state, 24:8838
  - Calculations concerning scattering states of four-, five-, and six-nucleon systems, 25:53851
  - Carbon-12 as nucleus of symmetry (444), 24:18365
  - General treatment of reactions, 24:45809
  - Helium-5 scattering states in refined cluster function representation, 24:11048
  - Influence of the Pauli principle on atomic nuclei, 21:1137
  - Lithium-5 resonances above ^{3}He-d threshold, 25:31195
  - Microscopic calculation for n—^{3}H scattering, 25:31193
  - Nuclear states and reactions in refined cluster model, 22:24889 (BMwF-FBK-67-93)
  - Phenomenological local soft-core nucleon—nucleon potential, 25:46119
  - Reactions in ^{5}He system, 24:45727
  - Reactions in the even parity states of ^{6}Li, 24:38124
  - Refined cluster model calculations for ^{6}Li levels, 24:45747
  - Soft core nucleon—nucleon potential, 24:45819
  - Treatment of nuclear reactions by Kohn's variational principle, 24:49951
  - Two-channel calculation for elastic α—α scattering, 25:43784
- HACKENBROICH, Hans H. Mathematical aspects of refined cluster functions. II, 24:11047
  - Mathematical aspects of refined cluster functions. I, 24:11046
  - Nuclear reactions in harmonic oscillator shell-model function scheme, 25:20516
  - Nucleon-nucleon soft core central potential, 21:2809
- HACKENDORF, M. Cesium-137 in adult population in California, 1960 to 1969, 25:16187
- HACKENG, W. H. L. Radioimmunoassay for parathyroid hormone in man. II, 24:50667
  - Radioimmunoassay for parathyroid hormone in man. I, 24:50668
- HACKENSELLNER, Hans-Alois Sterilization of preserved tissues, 22:8666
- HACKER, H. Improvement of the signal-to-noise ratio of photomultipliers for very weak signals, 23:41173

Measuring the blood flow through the brain with the aid of ^{133}Xe, 25:58058
Studies of cerebral blood flow with radioactive isotopes, 24:17075
HACKER, H. Jr. Magnetic properties of CeB$_6$, PrB$_6$, EuB$_6$, and GdB$_6$, 25:25251
Magnetic susceptibility of neodymium hexaboride, 22:41666
HACKER, K. Odd-parity states of ^{16}O according to Fermi liquid theory, 22:18126
HACKERT, Marvin LeRoy Crystal structure determinations of tetraethylammonium hexabromoantimonate(V), 4-ethylpyridinum tetrabromoferrate(III), and d-glucono-(1,5)-lactone, 24:53043 (IS-T-397)
HACKETT, Herman Joseph Method of charging or discharging a nuclear reactor core, 21:46974
HACKETT, P. L. Conference on myeloproliferative disorders of animals and man, Richland, Wash., 5/68, 25:581 (CONF-680529)
Excretion of Sr and Ca in the rat, 21:45572
Experimental myeloproliferative and lymphoproliferative diseases of swine, 23:33849
Strontium-90-induced leukemogenesis in swine, 25:588 (CONF-680529-, pp 703-20)
Triple radiation assault on debilitated lambs, 21:28589 (HW-42540)
HACKETT, Patricia L. ^{90}Sr: effects of chronic ingestion on farrowing performance of miniature swine, 24:44595
Strontium and calcium excretion in the rat, 21:14539 (BNWL-280, pp 28-31)
Strontium-90 induced neoplasia in swine, 22:6865 (BNWL-SA-1418)
Strontium-90 induced neoplasms of swine, 25:495 (CONF-680529-, pp 453-65)
HACKING, D. Chemically bound neutrons in LiF at 4°K, 24:21860
HACKING, J. B. Scintillation fading of signals in the shf band, 25:45369
HACKL, Hans Contribution to working techniques of total-animal autoradiography, 25:32466
HACKLEMAN, R. P. Development of nuclear analytical techniques for oil slick identification (phase I), 24:48049 (GA-9889)
Forensic neutron activation analysis of bullet-lead specimens, 25:20948 (GA-10141)
Forensic neutron activation analysis of paint, 25:31845 (GA-10142)
Prog. rpt. on applications of neutron activation analysis in scientific crime investigation, annual, 6/1/68—5/31/69, 24:50356 (GA-9822)
Special report on gunshot residues measured by neutron activation analysis, 25:20946 (GA-9829)
HACKLER, Walter A. Study of lithium mobility in irradiated silicon, 21:15217 (N-66-34630)
Study of lithium mobility in irradiated silicon, 22:13010
HACKLER, Walter Anthony Study of lithium mobility in irradiated silicon, 22:4845
HACKLEY, Betty Distribution and excretion of ^{63}Ni administered intravenously to rats, 23:2794
HACKMANN, J. Nonequilibrium effects in stationary He plasmas, 24:49130
Nonequilibrium effects in stationary rare gas plasmas under normal pressure, 25:1209
HACKNEY, B. D. Low-cycle fatigue testing of partial penetration welded reactor vessel nozzle connections. II, 21:13119 (APED-4923)
Low-cycle fatigue testing of partial penetration welded reactor vessel nozzle connections. I, 21:13137 (APED-4904)
Low-cycle fatigue testing of partial-penetration welded reactor vessel nozzle connections. IV, 24:13541 (APED-5592(Pt.4))
Reactor pressure vessel O-ring and flange face overlay materials, 21:21626 (APED-4856)
Thermal fatigue testing of selected dissimilar metal welds, 21:13138 (APED-4948)
HACKNEY, K. R. Statistics of the optical variations of a large sample of quasars, 25:32949
HACKNEY, M. R. Control-drum neutronic investigations in an all-cell thermionic reactor, 24:7257
HACKNEY, R. Time-of-flight measurements of neutron spectra in ^{235}U and W, 21:1010 (GA-7427)
HACKNEY, R. L. Optical flares in quasi-stellar radio sources PKS 2345-16 and NRAO 512, 25:7028
Statistics of the optical variations of a large sample of quasars, 25:32949
HACKNEY, S. Burst Pin Detection equipment, 24:52761
HACKNEY, Stanley Apparatus for testing for nuclear fuel element sheathing failure, 23:19501
Control of liquid metal flow, 23:31457
Improvements in or relating to equipment for testing for nuclear reactor fuel element failure, 25:46346
Improvements relating to nuclear reactors, 22:25051
Nuclear reactor fuel assemblies, 22:25170
HACKOS, William Jr. Heavy metal abundances in S-stars, 25:55699
HACKSTEIN, K. G. Comparison of highly enriched and low-enriched uranium fuel cycles in high temperature reactors, 25:54131 (A/CONF.49/P-389)
HTR fuel and materials development in Germany, 24:50114 (CONF-700401-, pp 586-97)
Installation for the production of UO$_2$ powder from UF$_6$, 22:12490
Manufacturing fuel elements for THTR and AVR reactors, 25:35544
New plants for production of UO$_2$ powder from UF$_6$, 24:41575 (LIB/Trans-281)
Preparation and performance of HTGR fuel in Germany, 25:6006
Production of AVR-fuel elements, 24:50116 (CONF-700401-, pp 610-18)
Production of sinterable, slightly enriched U dioxide in fluidized-bed furnaces, 21:32962
HACKSTEIN, K. H. Fuel elements for high temperature reactors, 25:52426 (A/CONF.49/P-385)
HACKSTEIN, K.-G. Manufacture of spherical fuel elements for high-temperature reactors, 23:37520
HACKSTEIN, Karl-Gerhard Production of spherical oxidic or carbidic particles from heavy metal salt solutions, 25:8922
HACKWELL, J. A. Interstellar silicate absorption bands, 24:44948
HACMAN, D. Absolute determination and axial radial distribution of burn-up for reactor lattice cells, 25:28766
HADA, Mikio Development of major components for FBR, 25:18120
Fukushima Nuclear Power Station Unit No. 1, Tokyo Electric Power Co, 23:15572
Heat transfer test loop for development of advanced thermal reactor, 24:50126
HADA, Minoru Effect of chloromethanes on H formation in radiolysis of methylcyclohexane and 3-methylpentane at -196°C, 25:15686
HADA, Yoshihiro Study on anemia induced by x-ray radiation, 23:14272
HADARI, Z. Charge states of Np recoil atoms, 25:2305
Electric field gradients and hyperfine fields in UFe$_2$, NpFe$_2$, and PuFe$_2$, 24:28445
Nuclear magnetic resonance of protons in plutonium hydride, 25:7494
Self-diffusion measurements of oxygen in UO$_2$ by the nuclear reaction ^{18}O(p,γ)^{19}F, 25:16581
HADCOCK, W. Spatial statistics of a gamma camera, 25:51865
HADDAD, A. H. Proceedings of seventh annual Allerton conference on circuit and system theory. Conference held October 8—10, 1969, Monticello, Illinois, 24:36641 (CONF-691043)
HADDAD, D. Reaction mechanisms of ^{10}B(d,α)^{8}Be$_2$,(α)^{4}He for E/sub d/ = 0.4, 1.0, and 1.5 MeV, 25:56673
HADDAD, D. I. Seven-detector system for γ—γ angular correlations, 23:21952
HADDAD, E. Neutron capture cross section of the tungsten isotopes from 0.01 to 10 eV, 21:13886
Neutron capture cross sections and resonance parameters of Re from 0.01 eV to 30 keV, 22:30014
Niobium resonance parameters, 21:10051
HADDAD, G. I. Conference on electron and laser beam, Ann Arbor, Mich., 4/66, 21:16831
Prog. rpt. on frequency multiplication in high-energy electron beams, semiannual, 10/67—3/68, 22:46141 (N-68-25551)
Prog. rpt. on microwave device investigations, semiannual, 4—10/68, 23:27617 (N-69-10968)
HADDAD, I. N. Defect production in electron-irradiated diamond-type crystals. I, 21:2324
HADDEN, D. R. Propranolol and ^{131}I in the management of thyrotoxicosis, 23:10035
Propranolol and the utilization of radioiodine by the human thyroid gland, 23:47932
HADDEN, Jeffrey K. Demography of nuclear war, 21:20171 (HSR-RR-66/14-Pr(App.1))
HADDOCK, F. T. Dynamic spectra of Type III solar bursts, 24:23682
Measurements of the linearly polarized components of radio sources at a wavelength of 3.75 cm, 21:20678
Polarization measurements of Cygnus A, 21:46065
Time variations of the ratio polarization of quasi-stellar sources of 8000 Mc/s, 21:16753
HADDOCK, R. P. Analysis of negative-pion photoproduction near the P$_{33}$ resonance: test of the ΔI less than or equal to 1 rule and time-reversal invariance, 25:14566
Experimental test of time-reversal invariance in the photodisintegration of the deuteron, 24:1507 (UCRL-19350)
K^{+}-meson branching-ratio measurement, 23:42547
Measurement of inverse pion photoproduction near the P$_{33}$*(1236) resonance, 25:14567
Measurement of the π^{-}p $\rightarrow$ nγ differential cross section, 24:18081
Proton polarization in several hydrocarbons, 21:42516
Scintillation counter array for detection of high energy neutrons, 24:21018
Search of Roper resonance in π^{-} + p $\rightarrow$ γ + n, 23:49027 (UCLA-34-P-106-42)
HADDOCK, Roy P. Time-reversal invariance in reaction n + p $\rightarrow$ γ + d, 25:40868
HADE, G. Small earthquakes and explosions in western North America, 24:11716
HADEISHI, T. Observations of Lamb shifts in H using spatially periodic potentials, 23:39306
Resonance effect of fast moving excited atoms by spatially periodic potentials, 25:16777
HADEISHI, Tetsuo Alignment of ionic ground state of Xe by electron-impact ionization observed through exchange collision with neutral metastable, 22:31639
Exchange collisions between the ionic ground state and the neutral metastable state of atoms formed and aligned by electron impact, 21:41756 (UCRL-17342)
Experiments on electronic excitation of atoms performed at Lawrence Radiation Lab, 22:41326
Intensity beats in resonance radiation and absorption due to coherent excitation of atoms by electron impact, 21:28960 (UCRL-17445)
Intensity beats in resonance radiation and absorption due to coherent excitation of atoms by electron impact, 21:43830
Nuclear alignment of ^{1}S$_0$ ground state of ^{131}Xe by electron pumping and metastability-exchange collisions, 21:35468
Observation of Lamb shifts by quantum beats, 22:47830
Phenomenon of the metastable state coherently excited by electron impact, 21:43825
Resonance effect in modulated fluorescent light from excited 4^{2}S/sub 1/2/ and 4^{2}P/sub 1/2/ levels in ^{4}He^{+}, 23:22904
HADEN, C. R. Effects of free energy approximation on superconducting surface sheath calculations, 21:31353
Magnetic losses in superconductors at high frequencies, 21:3786
Nuclear radiation detection using a superconducting resonant cavity, 25:14228
Plasma reflection coefficient, 23:5428
Prog. rpt. on mechanical properties and superconducting behavior of metals, 2/66—2/67, 21:20877 (ORO-2570-11)
Prog. rpt. on Nb—H and Nb—O systems and Type-II superconductors, final, 11/68, 23:51536 (ORO-2570-13)
Superconducting antennas, 23:29279
HADERMANN, J. Core excitation in semi-closed nuclei, 23:37309
Environmental effects on the electron capture decay rate, 24:12911
Four-particle—two-hole core excitation in heavy nuclei, 25:5737
Residual interactions and properties of nuclear states in the lead region, 23:37218
Residual interactions in spherical symmetric nuclei, 21:15638
Residual interactions in spherical symmetric nuclei, 21:40478
HADESTY, G. B. Continuously recording strain gauge thermobalance, 21:45476
HADINGER, G. Asymmetries produced by 28-MeV vector-polarized deuterons in elastic scatterings on ^{12}C, ^{28}Si, ^{40}Ca, 24:38099 (LYCEN-7021)
Determination of certain parameters of arc ion source, 24:49641
Distribution of ion densities in an arc discharge, 25:3085 (LYCEN-7061)
Distribution of ion densities in an arc discharge, 25:3085 (LYCEN-7061)
Elastic scattering ^{12}C(d,d)^{12}C, ^{28}Si(d,d)^{28}Si, and ^{40}Ca(d,d)^{40}Ca, 25:3585
Method of calculation of trajectories of ions before injection into the proposed heavy-ion linear accelerator, 25:9911 (LYCEN-6949)
Oscillatory phenomena in the cathode zone of an arc source, 24:49642
Parameters of "Reflex"-type ion sources, 25:9912 (LYCEN-6953)
Polarized deuteron source for a synchrocyclotron, 24:30618
Production of multicharged ions in a reflex source with axial extraction, 25:3111 (LYCEN-7065)
HADJIAN, Asadour H. Earthquake forces on equipment in nuclear power plants, 25:57108
HADJIDEMETRIOU, John Secular variation of mass and the evolution of binary systems, 21:46076
HADJIDEMETRIOU, John D. Dynamical effects of mass exchange in close binary systems, 23:18319
Dynamics of close binary systems with mass exchange, 23:18301
Evolution of binary systems with repeated mass ejections, 22:34176
HADJIEV, D. Quantitative evaluation of cerebral blood flow, 23:50689
HADJIMICHAEL, E. Diffractional scattering at low and high energies, 24:49967
Parity-violating internucleon potential in nuclear reactions of the n—p system, 25:17545
HADJIOANNOU, F. J. K-meson conspiracy and reactions p anti p $\rightarrow$ Λ anti Λ, 24:24360
HADJIOANNOU, F. T. Analyticity constraints and residue functions of E$_2$ pole exchange, 25:31027
C-violation in photoproduction of pions and in proton Compton scattering, 21:7485
Elastic scattering of a spin zero and a spin 1/2 particle at u = 0, 25:30892
Model for K^{-}p, K^{+}p backward elastic scatterings at high energies, 25:7673
Representations of the Euclidean group E$_2$, 23:46747
Solutions of Bethe—Salpeter equation, 24:49431 (NP-18418)
HADJIOLOV, A. I. Using the mathematical-statistical method to establish the ultrastructural dimensions of the mitochondria in ovocytes of ovaries of mice irradiated with ionizing rays, 22:45464
HADJOUDIS, E. K. Crystal structure effect in γ radiation of p-dichlorobenzene, 23:7556
Radiation resistance of chloral hydrate to γ rays, 24:20821
HADKARNI, G. B. Excretion of aromatic amines in x-irradiated rats, 24:50769
HADLEY, H. Conference on magnet technology, Oxford, Eng., 1967, 22:10450
Performance of the magnet for the Oxford—Rutherford laboratory 80cm He bubble chamber, 22:10603
HADLEY, J. H. Jr. Positron annihilation in irradiated acetyl methionine, 25:8269
Positron annihilation in irradiated teflon, 25:27306
HADLEY, K. Cellular response of mice to infection with Pasteurella tularensis following exposure to gamma radiation, 23:35661 (AD-681376)
Mice following continuous exposure to low-dose γ radiation, 24:19307
HADLEY, W. C. Measurements of $^{1}/_{2}$- to 4-MeV trapped protons in the equatorial magnetosphere, 21:13466
HADLEY, Wayne B. Luminescence from KI:Tl, 21:18822
Luminescence from NaI(Tl) between 5°K and 80°K, 22:40422
Scintillation mechanism in thallium doped alkali halides, 24:39285
Spatial distribution of trapped electrons and holes produced by x rays in KI(Tll), 21:37551
HADNI, Armand Pyroelectric properties of some substances and their application to infrared detection, 21:45375 (UCRL-Trans-10127)
HADRAVA, P. Spectrographic study of EW LAC. I, 25:30098
HADRELL, V. J. Role of lead shielding (past, present, and future) at Berkeley Nuclear Laboratories of Central Electricity Generating Board, 24:29948

- HADRILL, H. F. J. Requirements for research and development engineers, 24:9217
- HA DUC LONG Spectroscopy of N = 82 nuclei using the reactions (p,d) and (p,t), 24:43431
- HADZI, D. Quasi-spin wave H tunneling modes in KH_2PO_4 and KD_2PO_4, 24:33665
  - Vibrational normal coordinate analysis of H(D)NCO and H(D)NCS, 25:41791
- HADZISTELIOS, I. Determination of As, Sb, and Hg by neutron activation analysis, 24:124
- HADZISTELIOS, Isidore Extraction studies of antimony bromide into benzene, 22:16658
  - Radiochemical microdetermination of Mn, Sr, and Ba by ion-exchange, 23:19678
- HAEBEL, E. U. Big European bubble chamber magnet progress report, 25:35001 (CONF-700623-(Vol.2), pp 1126-49)
- HAEBERLEN, U. Approach to high-resolution NMR in solids, 22:20047
- HAEBERLI, R. Deformation of fuel element boxes in gas-cooled fast breeder reactors due to neutron irradiation induced swelling of steel, 25:51102
- HAEBERLI, W. Asymmetry of protons from break-up of vector-polarized deuterons on ^4He, 25:50628
  - Charge-exchange collisions between helium ions and Cs vapor at 1.5 to 25 keV, 22:47800
  - Charge-exchange collisions between hydrogen ions and cesium vapor in energy range 0.5 to 20 keV, 23:8452
  - Conference on polarization phenomena in nuclear reactions, Madison, Wis., 8—9/70, 25:53788
  - Cross-section and vector analyzing power measurements for 9-, 11-, and 13-MeV deuterons elastically scattered from ^{27}Al, Si, ^{46}Ti, ^{48}Ti, ^{53}Cr, ^{64}Zn, ^{90}Zr, and ^{120}Sn, 25:53715
  - Description of a Lamb-shift polarized ion source installed on a tandem accelerator, 22:5698
  - Elastic scattering of polarized deuterons from ^{27}Al, Si, and ^{60}Ni between 7 and 11 MeV, 22:20509
  - Energies of 2p/sub $^3/_2$/, 2p/sub $^1/_2$/, 1f/sub $^7/_2$/, and 1f/sub $^5/_2$/ single-particle states in odd-A nuclei, 25:53725
  - Enhanced beam polarization from a Lamb-shift polarized-ion source using static field methods, 22:37268
  - Experiments on transfer reactions, 25:53705
  - Inconsistencies in angular momentum assignments to nuclear energy levels in ^{41}Ca, 24:40580
  - Lamb-shift polarized ion sources for tandem accelerators, 25:53470
  - Measurement of (d,p) vector analyzing power for l/sub n/ = 4 transitions on intermediate weight nuclei, 25:53726
  - Optical-model analysis of d-Ca polarization and cross-section measurements from 5 to 34 MeV, 23:10975
  - Phase shift analysis of d-α scattering, 21:5488
  - Phase shifts and polarization in proton—alpha scattering from 0.9 to 3.2 Mev, 21:2619
  - Phase shifts and polarization in proton—alpha scattering from 940 to 3200 keV, 21:21419
  - Polarization in nucleon—deuteron scattering, 23:46908 (COO-7-515)
  - Polarization measurements and phase shifts for p-^4He scattering, 25:31199
  - Polarization measurements for $^{88}Sr(p,p)^{88}Sr$ near isobaric analog resonances, 25:28238
  - Polarization measurements for $^{92}Zr(p,p)^{92}Zr$ near isobaric analog resonances, 25:28368
  - Polarization measurements near isobaric analogs of states in N = 83 isotopes, 21:31782
  - Polarization measurements near isobaric analogue resonances in ^{139}La and ^{141}Pr, 22:42039
  - Polarization of protons elastically scattered from deuterons from 4 to 12 MeV, 21:15480
  - Polarization of protons elastically scattered from deuterons at 12.0 MeV, 22:53082
  - Polarization of protons from reaction D(d,p)T, 22:9775
  - Polarization of protons scattered by He from 3 to 30 MeV, 21:21424
  - Proposal for direct conversion of a polarized atomic beam to polarized negative ions, 22:37270
  - Proton polarization in p—^3He elastic scattering between 4 and 11 MeV, 23:19151
  - Proton-polarization measurements and distorted-wave calculations for $^{52}Cr(d,p)^{53}Cr$ at 11 MeV, 23:25898
  - Protons elastically scattered from Be, 24:49772
  - Reactions $^{16}O(d,p)^{17}O$ and $^{28}Si(d,p)^{29}Si$, 25:50648
  - Scattering of polarized protons by ^3He, 23:25791
  - Sources of polarized ions, 22:15889
  - Sources of polarized negative ions for tandem accelerators, 21:21340
  - Stopping power of Havar for 2.5 to 7.0 MeV deuterons, 25:14401
  - Stripping reactions on odd-A nuclei initiated by vector-polarized deuterons, 23:47047
  - T = 0 states of ^6Li, 23:25829
  - Tensor polarization in d-α scattering, 21:5487
  - Use of polarized deuterons to determine the total angular momentum transfer in stripping reactions, 21:42693
  - Use of polarized deuterons to determine the total angular momentum transfer in stripping reactions, 23:30936
  - Vector analyzing power and cross section for $^{40}Ca(d,p)^{41}Ca$ from 5 to 11 MeV, 25:50684
  - Vector analyzing power for $^{208}Pb(d,t)^{207}Pb$, 25:17911
  - Vector analyzing power of $^{208}Pb(d,p)^{209}Pb$ near Coulomb barrier, 25:53793
  - Vector and tensor polarization in d—α scattering, 21:21428
  - Vector polarization and phase-shift for d-α scattering, 25:17692
  - Vector polarization in d—α scattering, 21:27518
- HAEBERLI, Willy Method for producing ions utilizing a charge-transfer collision, 25:43135
- HAEBLER, D. V. Reactor instrumentation, 25:28674
  - Use of process computers in nuclear power plants, 22:53318
- HAEBLER, D. von Aeroball system for PWR's, 25:39241 (IAEA-119, 4p.)
  - Neutron flux measurement of reactors at Wuergassen and Stade, 25:39149 (IAEA-119, 7p.)
  - On-line noise analysis at the KWO power reactor by using polarity correlation, 25:39152 (IAEA-119, 9p.)
- HAEBLER, Dietrich V. Apparatus for measuring and evaluating the activity of measuring probes irradiated in a nuclear reactor, 25:55008
  - Reactor instrumentation, 23:26053
- HAEFELE, W. Base program of DeBeNeLux fast breeder project, 25:54026 (A/CONF.49/P-366)
  - Basic problems of the development of fast breeder reactors, 25:60008 (CONF-710922-4)
  - Development of fast breeders, 23:31140 (KFK-881)
  - Development of fast breeders, 24:18602
  - Development of fast breeders, 24:18610
  - Development of fuel elements for fast breeder reactors, 22:53273 (EURFNR-472)
  - Development of safeguards procedures for heavy water moderated, cooled and reflected pressurized water type reactors, 24:48238 (KFK-804)
  - Development of safeguards procedures for a reprocessing plant similar to the WAK type, 25:4263 (KFK-1102)
  - Development of safeguards procedures for a reprocessing plant similar to the WAK type, 25:21079 (IAEA-R-712-F)
  - Development of safeguards procedures for heavy water moderated, cooled and reflected pressurized water type reactors, 25:23199 (IAEA-R-711-F)
  - Development of sodium-cooled fast breeders, 23:23867
  - Development of steam-cooled fast breeders, 23:23863
  - Double containment and behavior of aerosols in relation to safety of reactors, 22:53353
  - Economic aspects of nuclear energy production with different thermal and fast reactors and the required separative work capability, 22:3832 (KFK-566)
  - Experiments to evaluate reactivity coefficients with reactor operating at steady state conditions, 22:1756 (EUR-3013)
  - Fast breeder reactors for nuclear power stations, 22:48670
  - Fast breeder reactors, 25:20708
  - Federal German fast breeder program, 22:35539
  - Fissile material flow control at strategic points in a reprocessing plant, 22:51047 (KFK-801)
  - Fuel costs and fuel requirements for a 1000 MWe Na-cooled fast breeder, 21:30185
  - Fuel cycle and fuel element design, 22:32773 (KFK-700(Pt. VII))
  - Future of sodium cooled breeders, 23:23860
  - German fast breeder program, 22:6094 (EURFNR-403)
  - German-beneflux fast breeder project and future developments in European Fast Breeder Reactors, 25:57016
  - Modern safeguard in field of peaceful applications of nuclear energy, 22:37445 (KFK-800)
  - Modern safeguards at reprocessing plants and reactors, 25:21289
  - Principle of double containment and behavior of aerosols in its relation to safety of reactors, 22:7805 (EURFNR-425)
  - Prospects of plutonium fueled fast breeders, 21:30152 (KFK-569)
  - Reference studies for 1000 MW(e) steam-cooled fast-breeder reactor (D 1), 21:23604 (KFK-392)
  - Reference study for the 1000 MWe steam-cooled fast breeder reactor (D 1), 21:19393 (ORNL-tr-1541)
  - Safeguarding fissile material flow at strategic points in power reactors, 23:43117 (KFK-803)
  - Safeguarding fissile material flow in the peaceful sector of nuclear energy, 22:40301
  - Safeguards system studies, 24:18692
  - Safeguards system studies and fuel cycle analysis, 23:24058 (KFK-900)
  - Safety considerations for Karlsruhe fast critical facility, SNEAK, 22:53448
  - Status report 1970 on fast breeder projects, 24:24800
  - Supplementary material to "nuclear fuel requirements and costs of various reactor types in Germany", 21:15657 (KFK-466)
  - Systems analysis in safeguards of nuclear material, 25:51757 (A/CONF.49/P-771)
  - Technical and scientific position as well as prospect for nuclear energy in the engineering of the Federal Republic of Germany. II, 25:60012 (JUL-775-RG)
  - Third Foratom Congress, London. Industrial Aspects of a Fast Breeder Reactor Program. German contributions to Sessions I, II, III, IV, VI, 21:30136 (EURFNR-287)
  - Use of statistical analysis for the establishment of material balance in a reprocessing plant, 23:21776 (KFK-802)
  - Variation of several important parameters for sodium-cooled 1000-MW fast breeder, 22:10005 (KFK-568)
  - Variations in certain major reactor parameters of sodium-cooled 1000 MWe fast breeder, for investigation into fuel costs and needs, 22:16166 (EURFNR-384)
- HAEFELE, Wolf Development of fast breeders and prototype reactor SNR 300, 25:31536
  - Fast breeder reactors, 21:15658 (KFK-480)
- HAEFER, R. A. Application of low temperatures and low pressures in space, 24:48258
- HAEFERT, M. Radiation hazard of induced activity in air by high energy accelerators, 24:45631 (CONF-691101-, pp 111-20)
- HAEFNER, H. FR-2 irradiation capsule for investigation of fuel swelling, 25:52409 (KFK-1398)
  - Safety report for FR-2 experimental capsule rigs with single-walled NaK capsules for irradiation of high-power fuel pins, 25:10257 (EURFNR-764)
  - Safety report for FR-2 inserted capsule experiments with several NaK capsules for irradiation of high-conductivity fuel elements, 24:36066 (KFK-1143)
- HAEFNER, H. E. Irradiation of fuel pins in instrument-equipped lead—bismuth capsules, 22:28861
  - Irradiation of fuel pins in instrument-equipped double capsules with sodium and lead—bismuth, 24:42295
- HAEFNER, K. Decreased survival from liquid-holding of uv-irradiated E. coli C and Schizosaccharomyces pombe, 22:49457
  - Dose-dependence of the segregation pattern of uv-induced lethality in pedigrees derived from phased Schizosaccharomyces pombe, 21:13083
  - Lack of x-ray-induced lethal sectoring in haploid Saccharomyces, 21:34825
  - Mechanism of ultraviolet mutagenesis, 22:6789
  - Origin of pure mutant clones observed after uv treatment of Schizosaccharomyces pombe, 21:36545
  - Radiation-induced lethal sectoring in Escherichia coli, 21:36543
- HAEFNER, Klaus Copulation of uv-irradiated and unirradiated Saccharomyces cells of different ploidy, 21:9025
- HAEGEL, Etienne Channel for a nuclear reactor, 22:37608
- HAEGGBLOM, H. Activation Doppler experiments in FRO, 25:44164
  - Adjustment of neutron cross section data by least square fit of calculated quantities to experimental results, 25:48068 (AE-422)
  - Calculation of resonance interaction effects, 23:24006
  - Comparison between effective cross section calculations, 23:19112 (AE-346)
  - Comparison of theoretical and experimental values of activation Doppler effect in fast reactor spectra, 23:4297 (AE-331)
  - Computation of resonance-screened cross section by Dorix—Speng system, 23:5745 (AE-334)
  - Experimental and theoretical work at zero-energy fast reactor FRO, 21:35673 (ANL-7320, pp 159-84)
  - Fine structure in flux distribution due to heterogeneity in some FRO cores, 25:54194 (AE-427)
  - Resonance interaction effect between ^{238}U and ^{239}Pu in lower energy region, 23:19244 (AE-344)
  - Resonance interaction effect between ^{238}U and ^{239}Pu, 24:3933
  - Studies of Doppler effect, control rod worths, and fission product cross sections in some fast neutron spectra, 24:22456
- HAEGGBLOM, Hans P/sub N/ approximation using integral transforms and its application to control-rod calculations for zero-energy fast reactor FRO, 21:35685 (ANL-7320, pp 448-55)
- HAEGGENDAL, Egil Krypton-85 clearance curves from the brain of the dog, 21:22302
- HAEGGKVIST, L. Narrow-band photometry of early-type stars, 25:32944
  - Narrow-band photometry of late-type stars, 24:23553
- HAEGGKVIST, Love BV photometry of standard stars, 24:4896
  - Photoelectric BV photometry of 368 northern stars, 23:41800
- HAEGGLUND, S. E. Anomalous internal conversion of 212-keV transition in ^{123}Te, 23:8987
  - Excited nuclear states in ^{125}Te, 25:3699
  - Lifetimes of excited states in ^{193}Ir, 24:6898
- HAEGGLUND, S.-E. Conversion probability of 35-keV transition in ^{125}Te, 24:26644 (UUIP-652)
  - Decay energy of ^{139}Ce and lifetime of the 166-keV level in ^{139}La, 21:15580
- HAEGGLUND, S-E. Lifetimes of excited states in ^{193}Ir, 23:40034 (UUIP-650)
- HAEGGSTROEM, L. A simple level controlling and automatic filling system for liquid nitrogen, 24:21041
  - Moessbauer investigation of iron in boron, 25:30689 (UUIP-733)
- HAEGI, Marcel [Plasma images], 24:47217 (LA-tr-69-26(Draft))
  - Contribution to the study of dense plasmas, 25:43381 (LGI-68/16)
- HAEGI, W. Industrial realizations for production of U tetrafluoride, using French fluidized-bed process of reduction-hydrofluorination in type LC furnaces, 22:35791
- HAEHLE, S. System V_2O_5—K_2SO_4, 25:11527
- HAEHN, J. Considerations on the mechanism of sulfurous radiation protection agents, 25:19021
- HAEHNEL, S. Fast breeder reactors in western Europe, 21:46885
  - Uranium from Swedish slate, 23:7651
- HAEKANSSON, R. Effect of heavy water in fast reactor FRO, 22:50788 (AE-330)
- HAEKKINEN, Ulla Strontium-90 and ^{137}Cs in some Finnish soil profiles, 23:26781
- HAELG, W. Investigation of condensed matter by means of neutron scattering, 23:3572
  - Neutron-diffraction study of $D_3Co(CN)_6$, 25:84
  - On-line data handling system for physics experiments, 23:41114 (EUR-4289, pp 299-304)
  - On-line temperature control system at the Swiss reactor DIORIT, 23:40406
  - Paramagnetic scattering of neutrons by trivalent rare-earth ions in an octahedral crystal field, 22:32423 (CONF-670969-1)
  - Statistics of time-of-flight measurements for neutron scattering experiments, 25:46025
- HAELG, Walter Variable states of a heavy plasma in relation to temperature and density, 25:30536
- HAEMAELAEINEN, R. M. K. Effect of nonlocality of nucleon—nucleon potential on the two-body sum rules, 25:14732 (NP-18648)
  - Effect of nonlocality of nucleon—nucleon potential on the two-body sum rules, 25:25818
  - Limits of validity of Siegert's theorem in nuclear photoabsorption, 25:12649
  - Limits of validity of Siegert's theorem in the nuclear photo-absorption, 25:15144 (NP-18618)
  - Notes on quantum mechanical sum rules, 25:12046 (NP-18619)
  - Retardation functions for deuteron photodisintegration, 22:35216
  - Retardation functions for deuteron photodisintegration. II, 25:20254

HAEMEEN-ANTTILA, K. A. Distance and physical properties of 3 C 273, 22:36599
  Internal constitution of superstars. II, 21:16747
  Magnetic fields in rotating stars, 25:52499
  Radiative viscosity in relativistic medium, 25:52581
HAEMERS, J. Purification and single-crystal growth of V_2O_5, 25:2783
HAEMERS, Johan Electrical properties of V_2O_5, 25:9581
HAEMERS, L. Measurement of the temperature coefficient of the effective resonance integral for uranium carbide, 21:32038
HAEMMERLE, W. H. Energy gap of V_3Si, 21:2162
  Fluctuation rounding of the resistive superconducting tranistion in thin lead films, 23:32296
HAEMMERLING, U. Labeling of mouse alloantibody with tritiated DL-alanine, 24:31795
HAENDEL, S. K. Ambient pressure influence on the x-ray output from exploding tungsten wires, 25:48427 (UUIP-736)
  Effect of wire parameters on the emission of hard x rays from exploding wires, 25:36326
  Plasma drift in FXR discharge, 25:30499 (UUIP-659)
  Time resolved radiation intensity distribution in FXR discharge, 21:20938
HAENLEIN, Walter Procedure and arrangement for the detection of ions in mass spectrometers, 22:45354 (RFP-Trans-35)
HAENSCH, T. Collisional disalignment of excited neon atoms, 22:15340
HAENSEL, H. Induction of mutations in barley, 21:32608
HAENSEL, Hermann Frequency of induced chlorophyll mutations after EMS, neutron, and x-ray treatment of barley seeds, 22:15119
HAENSEL, R. Absorption measurements of Cu, Ag, Sn, Au, and Bi in the far ultraviolet, 22:2776 (DESY-67/27)
  Experiments with synchrotron radiation, 21:33802 (DESY-67/15)
  Experiments with synchrotron radiation, 23:8866 (NP-tr-1714)
  Grazing incidence vacuum ultraviolet monochromator with fixed exit slit for use with distant sources, 22:38139 (DESY-68/21)
  Measurement of beam current in 6-GeV electron synchrotron, 21:29660 (DESY-67/9)
  Measurement of beam current in 6-GeV electron synchrotron DESY, 21:33832
  Measurement of photoabsorption of Li—halides near Li K edge, 22:15326 (DESY-67/42)
  Measurement of the synchrotron radiation in the x-ray region, 21:29739
  Optical absorption measurements of Ta, W, Re, and Pt in euv, 24:3468
  Optical absorption of Ce, Ce oxide, Pr, Pr oxide, Nd, Nd oxide, and Sm in extreme ultraviolet, 25:11698
  Optical absorption of cerium, cerium oxide, praseodymium, praseodymium oxide, neodymium, neodymium oxide, and samarium in extreme, 25:965 (DESY-70/41)
  Photoabsorption measurement of Li, Be, Na, Mg, and Al in the XUV range, 24:35571
HAENSEL, Ruprecht Experiments with synchrotron radiation, 21:42076
HAENSGEN, H. Mean neutron energy from D(d,n)^{3}He reaction, 25:43790
  Polarization of neutrons from the reaction D(d,n)^{3}He for deuteron energies below 120 keV, 21:21429
  Scattering of polarized neutrons at 2.7 to 2.9 MeV on carbon, 25:25637
HAENSSLER, F. Speed of magnetic flux penetration in Type-I-superconducting specimens of nonzero demagnetizing coefficient, 25:40545
  Statistics and dynamics of intermediate state of superconductors of type I, 21:41972
HAENTZSCHE, H. Economics of radioactive waste treatment processes in GDR, 23:2412 (SZS-10/68)
HAENTZSCHEL, H. Economics of radioactive waste decontamination by combined contact precipitation and ion exchange processes, 23:2382 (SZS-10/68, pp 18-42)
HAENZE, S. Contribution of scintigraphy for evaluation of vascular renal diseases, 25:11166
HAERDI, W. Activation analysis of short-lived isotopes, 21:8195
  Activation analysis of short-lived isotopes, 21:8196
  Analytical studies on the hafnium—scandium separation on anion-exchange resins, 25:48582
  Contribution to the study of the separation and determination of traces of hafnium in scandium, 25:15544
  Determination of Si in mineral oil by fast neutron activation, 22:8028
  Determination of traces of hafnium in aluminum by neutron activation analysis, 24:11499
  Nondestructive determination of Hf by neutron activation and γ spectrometry of /sup 179m/Hf and /sup 178m/Hf, 22:40020
  Nondestructive determination of traces of Hf, 25:46446
  Rapid isotopic separation method for the selective determination of short lived radioisotopes, 25:10490 (LIB/Trans-334)
  Rapid isotopic separation methods for selective detection of short-lived radioisotopes, 21:1276
  Secondary reactions produced during the preparation of Hf by neutron activation: on the decay of ^{176}Lu, 23:37224
  Separation and determination by neutron activation of Hf in Sc, 24:2159
HAERDI, Werner Analytical chemistry, 24:13
HAERENDEL, G. Ambipolar diffusion along magnetic field lines in presence of an electric current, 25:58862
  Artificial strontium and barium clouds in the upper atmosphere, 22:17522
  Balance between radial and pitch-angle diffusion, 24:42606
  Diffusion theory of trapped particles and the observed proton distribution, 22:34506
  Electric fields in the ionosphere and magnetosphere, 24:42588
  Electric fields in the upper atmosphere, 22:34500
  Evidence for magnetic field aligned currents during the substorms of Mar. 18, 1969, 25:27620
  Loss processes and equilibrium distribution of trapped particles, 24:35284
  Magnetospheric electric fields, 25:27545
  Motion of artificial ion clouds in the upper atmosphere, 21:25018
  Preliminary results of electric field measurements in the auroral zone, 22:13332
HAERENDEL, Gerhard Artificial plasma clouds in space, 23:14686
  Electrical field measurements in ionosphere with artificial plasma clouds, 24:49079
  Striations in ionospheric ion clouds. I, 25:43252
HAERING, F. Weak field ionizer for a source for polarized deuterons at potential, 23:1730
HAERING, M. Direct measurement of (n,2n) cross section of ^{93}Nb, 25:43897
HAERING, N. Recent applications of thermoluminescence dosimetry, 21:26232 (CONF-650637-, pp 340-8)
HAERING, R. R. CaF_2 compensation of surface states in Ge(Li) detectors, 21:36379
  Solid state physics. I, 23:42515
HAERM, R. Evolutionary phase of Cepheids in globular clusters, 24:23602
HAERMAE, R. A. Uptake of radioactive strontium (^{85}Sr) in inflamed mastoid process, 25:46921
HAERTEL, Lois Steben Plankton and nutrient ecology of Columbia River estuary, 25:34473 (RLO-1750-75)
HAERTIG, M. Removal of ^{90}Sr from milk using bone preparations as adsorbents, 21:16370
  Strontium-90 activity of milk in 1965, 21:36602
  Strontium-90 activity of milk in 1964, 22:505
HAERTLING, G. H. Improved hot-pressed electrooptic ceramics in the (Pb,La)(Zr,Ti)O_3 system, 25:40116
  Properties of hot-pressed ferroelectric alkali niobate ceramics, 21:32990
HAES, Donald L. Radioactive source comprising a sheet article containing a layer of small discrete radioactive beads, 22:33609
HAESAENEN, E. Cesium-137 in plants, plankton, and fish of Finnish lakes, 23:12109
  Determination of Cs in biological material by neutron activation analysis, 24:41230
HAESAENEN, Erkki Biological half-times of ^{137}Cs and ^{22}Na in fish, 23:12036
  Cesium-137 and ^{90}Sr in blood and urine of Lapps and southern Finns compared with total body burden of ^{137}Cs and estimated dietary intake of ^{90}Sr, 23:6446 (NYO-3446-11, pp 35-41)
  Cesium-137 and ^{90}Sr in blood and urine, 23:35717
  Determination of mercury in biological material by neutron activation analysis, 25:10502
  Gamma emitting radionuclides in subarctic vegetation during 1962—64, 21:4629
HAESELLER, G. Preparation and properties of the oxychlorides of cerium and lanthanum, 24:53057 (ORNL-tr-2379)
HAESSIG, J. M. Operational behavior of structural components of EL4 primary circuit, 24:28867
HAESSNER, A. Grain boundary diffusion in metals, 25:49437
  Grain-boundary self-diffusion in Cd, 24:25732
HAESSNER, F. Boundary migration in neutron-irradiated copper bicrystals, 24:19472
  Ceramic neutron absorber for control agents, 21:21665
HAESSNER, Frank Neutron absorbing materials for nuclear reactors, 21:5023
  Rolling texture of body-centered cubic metals and alloys. I, 21:13130
HAETTIG, H. Evidence for first forbidden β decay $^{16}N(\beta^-)^{16}O(2^+$,9.85 MeV), 24:5398
HAEUSLEIN, G. K. Oak Ridge National Lab. KWIC index, 24:29129 (ORNL-4536)
HAEUSLER, B. Solar particle event of March 1970, 25:58892
  Study of electron response of Si-surface barrier detector with magnetic sector field spectrometers. I, 23:43550
HAEUSLER, C. Effect of solvent on frequencies of CD and CH stretching band in some haloforms, 25:10540
HAEUSLER, H. Tribochemistry of tungsten(VI) oxide, 25:22157
HAEUSLER, J. Natural vibrations of the R(t)CL-circuit, 25:12911 (SC-T-713003)
HAEUSLER, Jochen Optimal wiring of an MHD generator with four electrodes, 21:43861
  Optimum wiring for MHD generator with four electrodes, 21:43855 (NP-tr-1573)
  Tensorial conductivity of semiconductors and plasmas in transverse magnetic field, 22:9186
HAEUSSER, O. 4509-keV level in ^{27}Al, 22:35270
  Coulomb excitation of ^{28}Si projectiles, 23:46946
  Coulomb excitation of ^{35}Cl projectiles, 23:42880
  Coulomb excitation of first excited state of ^{28}Si, 23:49372
  Decay of 8.88 MeV level in ^{16}O, 21:29890
  Direct and compound nuclear reaction mechanisms in ^{24}Mg(p,p)^{24}Mg, 22:15980
  E2 and E3 transition rates in ^{24}Mg, ^{40}Ca, and ^{39}K, 24:43243
  E3 Coulomb excitation of ^{19}F, 24:1758
  Evidence for a nuclear tensor force from mass-14 beta- and gamma-ray data, 22:44612
  Gamma-decay properties of ^{20}Ne levels below 12 MeV, 25:34052
  Level structure of ^{35}Cl, 24:38199
  Lifetime measurements in mass-15 nuclei, 23:5817
  Lifetime measurements of six lowest lying levels in ^{35}Cl, 23:39998
  Lifetimes and decay modes of low-lying levels in ^{26}Mg and ^{26}Al, 22:35262
  Lifetimes and decay of 2.07-MeV triplet in ^{26}Al, 23:10964
  Lifetimes in ^{32}S, 24:26618
  Mutual excitation and reorientation of target and projectile in Coulomb excitation, 24:18459
  Pair and escape-suppressed spectrometer using Ge(Li) and NaI(Tl) detectors designed for accelerator experiments, 23:689
  Quadrupole moment of the first excited state in ^{48}Ti, 24:43220
  Radiative width of 8.79 MeV level of ^{20}Ne, 25:46001
  Reorientation effect in ^{198}Hg, 24:26606
  Reorientation measurements in ^{24}Mg and ^{28}Si, 24:49810
  Reorientation measurements in even Ti isotopes, 25:17811
  Static quadrupole moment of first excited state in ^{24}Mg, 23:17089
  Two crystal (Ge(Li)) Compton spectrometer, 23:17794
HAEUSSERMANN, F. Defects in electron-irradiated copper, 23:25431
  Point- defect clusters in neutron-irradiated metals. I, 24:35531
  Point-defect clusters in neutron-irradiated metals. II, 24:35530
HAEUSSERMANN, W. Investigations of ^{90}Sr-contents in soils, 21:39049
  Uranium resources, production, and demand, 25:51643 (A/CONF.49/P-678)
HAEYRY, Pekka Surface antigen(s) of SV40-transformed tumor cells, 24:31867
HAFELE, J. C. Effects of pairing and blocking on structure of octupole septuplet of ^{209}Bi, 21:38367
  Elastic scattering of 50.8 MeV protons from the even samarium isotopes, 24:45782
  Inexpensive system for defining and monitoring external accelerator beams, 22:24761
  Observation of the octupole septuplet of ^{209}Bi in inelastic proton scattering, 21:5543
  Relativistic behaviour of moving terrestrial clocks, 24:42844
  Spin—orbit potential for 30- and 35-MeV ^{3}He elastic scattering, 23:37174
  Target-spin dependence observed in 50 MeV ^{3}He elastic scattering, 24:22107
  Triton elastic scattering, 21:23471
HAFEMANN, Dennis R. Deuteriohydrates of cyclopropane, 23:33170
HAFEMEISTER, D. W. Level structure of ^{164}Dy from the reaction ^{163}Dy(n,γ)^{164}Dy, 21:10036
  Moessbauer spectroscopy of the 29.4 keV gamma ray of ^{40}K from the reaction ^{39}K(n,γ)^{40}K, 22:5791
  Nuclear levels in ^{163}Dy, 21:19271
  Nuclear levels of ^{162}Dy, 21:38302 (TID-23909)
  Positron annihilation in neon isoelectronic series, diamond and solid iodine, 23:12529
HAFEMEISTER, Robert N. High voltage radiography for nondestructive testing thick weld sections, 22:40342
HAFERKAMP, Otto Tuberculin sensitivity and lymphogranulomatosis, 23:18085
HAFERMANN, Mark D. Changes in transverse cardiac diameter following mediastinal irradiation, 24:2752
  Evaluation and management of radiation-induced pericardial effusion, 23:33748
  Extended irradiation in Hodgkin's disease, 23:26952
HAFEZ, L. A. Instruments for measurement of the spectral lines profile and shift, 25:36091 (UARAEE-95)
HAFEZ, M. B. Assessment of accidental external exposure and internal contamination of workers and medical management, 24:7858
HAFEZ, Mohamed Characterization of complexes of U(VI) with desferrioxaminemethanesulfonate, 23:33185
HAFEZ, Mohamed Badreldin Separation and determination of transuranium elements, 24:20684 (CEA-Bib-171)
  Spectrophotometric study of complexes of cerium and uranides with DTPA, 23:17391 (CEA-R-3521)
  Spectrophotometric study of the complexes of cerium and uranides with diethylenetriaminepentaacetic acid, 23:45246 (UCRL-Trans-10366)
HAFF, K. W. Chemical-vapor-deposited tungsten capsules for radioisotope sources, 24:32365
  Fueled capsule design and evaluation, safety analysis, 25:34809 (ORNL-TM-3230)
  Radioisotope source safety testing, 21:26067 (ORNL-4092)
  Transportation of radioactive and fissile materials, 21:24188
HAFF, P. K. Dynamic nuclear effects in pionic and kaonic atoms, 25:5866
HAFF, Peter Kirkland Dynamic nuclear effects in mesic atoms, 25:45936
HAFFERL, W. Pasteurization of cold marinades by ^{60}Co gamma rays, 21:26722
HAFFNER, B. Late sequelae after radioiodine suppression of hyperthyroidism, 24:39541
HAFFNER, D. R. Isotope production and availability from power reactors, 22:45245 (BNWL-716)
  Isotope production projections for U. S. nuclear power reactors, 22:24933 (BNWL-SA-1529)
  OPTIM: multidimensional nonlinear optimization code, 23:21562 (BNWL-991)
  PACTOLUS: code for computing nuclear power costs, 24:18471 (BNWL-1169)
HAFFNER, Francois Crystalline structure of UO_2Cl_2, 2[$(C_2H_5)_3$NHCl], 24:48899
HAFFNER, H. Heat transfer to refrigerants at nucleate boiling, film boiling, and supercritical condition of the fluid, 25:10767 (BMBW-FBK-70-24)
HAFFNER, J. W. Calculated dose rates in Jupiter's Van Allen belts, 24:17835
  Calculated space radiation environments for the Grand Tour missions, 24:6341
  Experimental measurement of the straight-ahead approximation, 21:7318
  Experimental measurements of proton-induced prompt secondary gamma rays, 22:6074
  Experimental study of 50-MeV proton activation, 21:38265
  Mission dose probabilities due to solar-proton events, 21:7040

  Optimized shielding for a nuclear rocket payload, 23:37675
  Prog. rpt. on proton radiation from solar flares, final, 7/29/66, 21:18365 (N-67-13210)
  Spacecraft configuration and operational tradeoffs for nuclear power sources, 25:6138
  Study of space radiation shielding, 21:5316 (SID-64-2037)
HAFFNER, James W. Radiation and shielding in space, 22:9129
HAFFORD, J. A. ORVE: FORTRAN code for calculation of desalination plant combining vertical evaporators with MSF feed heating, 25:18205 (ORNL-TM-3149)
HAFNER, E. M. Optical pulse of a periodic radio star, 22:29042
  OSO 1 high-energy gamma-ray experiment, 21:25042
HAFNER, H. Comparison of the spherical deflector and the cylindrical mirror analyzers, 22:8416
  Ground-state transitions (^{3}He,^{7}Be) on ^{12}C, ^{16}O, ^{20}Ne, ^{28}Si, and ^{40}Ca, 24:49753
  Polarization of atomic line radiation. I, 21:9325
  Reaction (^{3}He,^{7}Be) on light nuclei, 24:52453
HAFNER, S. S. Moessbauer resonance of ^{57}Fe in oxidic spinels containing Cu and Fe, 22:26519
  Second order effects in the hyperfine field of ^{57}Fe in troilite (anti-ferromagnetic FeS), 21:23257
HAFNER, Stefan Distribution of U—Th, Na, K, and Ca in Rotondo granite, 22:10391
HAFSTROM, J. W. Case for a second energy gap in superconducting niobium, 25:11830
  Evidence for a second energy gap in superconducting niobium, 24:6476
HAFSTROM, John W. Low-energy structure in Nb single crystals by tunneling, 24:23890 (AD-698271)
HAFT, J. I. Regional myocardial perfusion utilizing radioactive Xe, 24:21236
HAFT, Jacob Radiation exposure to personnel during cardiac catheterization, 25:55226
HAFT, Jacob I. Scintiphotography of regional myocardial blood flow, 24:29804
HAFTEL, M. I. Off-shell continuation of the two-nucleon transition matrix with a bound state, 24:40677
  One-boson-exchange potentials and nuclear matter, 24:43531
HAFTEL, Michael I. Mesons in nuclear saturation, 25:3763
  Nuclear saturation and the smoothness of nucleon—nucleon potentials, 25:12698
  Off-shell effects in nuclear matter, 25:28520
HAFTEL, Michael Ivan Two-nucleon potentials and nuclear saturation, 25:15188
HAGA, I. Aspects of boiling-water medium-power reactors, 25:28637
  Hydrodynamic and heat transfer measurements on simulated 36-rod Marviken fuel element, 22:48643 (FRIGG-2)
  Measurements of hydrodynamic characteristics, instability thresholds, and burnout limits for 6-rod clusters in natural and forced circulation, 22:1760 (FRIGG-1)
  Nordic studies on prestressed concrete pressure vessels for water reactors, 25:54070 (A/CONF.49/P-307)
  Optimization of BHWRs, 22:30258
  Oskarshamn reactors I and II salient features, 25:12710
  Relative economics of BWRs and BHWRs, 24:11127
  Some design aspects of BHWRS, 23:28430
  Swedish pressure vessel BHWRs, 24:24788
  Swedish water reactors for use as small and medium-size power reactors, 23:37401
  Tandem BWR/BHWR fuelling, 21:42776
HAGA, Mikio Effect of additives on the radiation-induced polymerization of trioxane, 21:17680
  Effect of additives on the radiation-induced polymerization of trioxane, 22:42726 (NSJ-tr-108)
HAGA, P. B. Ice condenser reactor containment system, 24:20590
  Ice-condenser reactor containment system, 24:22375
  Nuclear steam supply system, 22:16226
HAGA, T. Lattice studies of clusters of UO_2 fuel pins, 23:4341
HAGA, Tohru Effect of water gaps on the physics of light water reactor lattices, 22:39884
  Effect of water gaps on various nuclear parameters, 24:4157
HAGA, Yoshio Particle accelerator with pulsed output, 24:6801
HAGAN, J. W. Analysis of postulated maximum accidents for FFTF, 23:23953 (BNWL-760)
  Considerations on use of fuel motion restrictors in FTR fuel pins, 22:50794 (BNWL-623)
  Parametric scram transient analyses for FFTF fast test reactor, 22:14254 (BNWL-657)
  Survey of Fast Reactor Safety R and D Programs, 25:8102 (BNWL-SA-3093(Vol.2), pp XX.1-66)
HAGAN, P. G. Absorption spectra of neptunium ions in perchloric acid solution, 21:4511
  Radiolysis of HNO_3 solutions: LET effects, 25:2284
HAGAN, P. J. Negative muons and isotopic composition of rare gases in earth's atmosphere, 24:3212
HAGAN, Paul G. Radiation chemistry of nitric acid solutions, 23:26269 (RFP-1299)
  Spectrophotometric determination of plutonium III, IV, and VI in nitric acid solutions, 24:11429 (RFP-1391)
HAGBERG, A. Induced variation in a quantitative character in barley, 23:31700
HAGBERG, Arne Translocation studies in Vicia faba L, 23:26736
HAGBERG, E. Total absorption of 100 MeV protons with a Ge(Li) detector, 25:42128
HAGE, K. D. Computer program for the fall and dispersion of particles in the atmosphere, 21:36149 (SC-CR-67-2530)
  Fall and dispersion of particles in the atmosphere, 22:40237 (AECL-2787, pp 320-33)
  Model B computer code for estimating particle fall and dispersion in the atmosphere, 22:2228 (SC-CR-67-2645)
  Prog. rpt. on particle fall and dispersion in the atmosphere, semifinal, 9/66—1/67, 21:30546 (SC-CR-67-2534)
  Prog. rpt. on particle fallout and dispersion in the atmosphere, final, 7/66, 21:6035 (SC-CR-66-2031)
HAGE, S. J. Polaroid film in radiation dosimetry and survey, 25:19005
HAGE, W. Automatic flux distribution recording device for use in subcritical assemblies or reactors, 22:43025 (EUR-3943)
  Calculations of different Dragon power transfer functions, 24:40913 (DP-Report-171)
  Determination of reactivity worths and photoneutron efficiency in rod drop measurements, 22:20923
  First experiments with the zero power facility ECO, 22:18563
  Measurement of small reactivities by the direct reactivity meter method, 22:38043
  Reactivity calibration by a digital analysis of flux transients, 22:35681
  Reactivity calibrations by analog and digital methods, 23:9135
  Reactor kinetic equations, 24:43845 (NP-10435)
  Results of ESSOR zero-power experiments, 22:30330
  Use of heterogeneous methods at Ispra, 22:22841
  Zero-reactivity method in nuclear parameter evaluation of heavy-water power reactors, 22:30338
HAGE, Walter Activity counting device in multichannel arrangement, 22:4453
HAGE-ALI, Makram Development of induction measuring device for Orsay synchrocyclotron, 25:33895 (NP-18839)
HAGEBEUK, H. J. L. Confinement of plasma with high-frequency fields, 23:6973 (NP-17707)
  Frequency shift of a resonant cavity and the rf force on a plasma, 23:34474 (CONF-680113-(Vol.3), pp 1025-36)
  Propagation of a TM_{01} wave in a circular waveguide, 23:18689 (CONF-680113-(Vol.1), pp 503-10)
HAGEBO, E. Yields and isomeric yield ratios of Sb isotopes from the interaction of 159-MeV to 18.2-GeV protons with U, 21:44727
HAGEBOE, E. Argon-43 and ^{44}Ar, 25:12499
  Cross sections for formation of Sb and Sc isotopes by irradiation of Y, La, Ta, and Au with 18.2-GeV protons, 23:19264
  Decay of ^{72}Zn, 22:29948
  Decay of 3.2-hr cadmium-117m and 2.4-hr cadmium-117g, 24:22137 (CONF-680461-3)
  Decay of Cd isotopes, 25:20422
  Indium isotopes produced by high-energy fission, 25:5784
  ISOLDE target development at CERN, 22:29803
  Mass, energy and charge distribution in fission, 24:30800
  Recoil properties of antimony isotopes, 23:52146
  Studies of proton-induced nuclear fission, 25:36802
  Target chemistry at ISOLDE, 25:44401 (BMBW-FBK-70-28, pp 146-57)
HAGEDOORN, H. L. Beam quality of AVF cyclotrons, 25:31112
  Design of beam transport system, 25:1698
  Floating wire method for determining the useful aperture of a magnetic quadrupole lens, 24:35754
  Magnetic analogue of electric field configurations applied to the central region of an AVF cyclotron, 22:39517
HAGEDORN, R. Atlas of particle production spectra, 25:14733 (NP-18660)
  Atlas of particle production spectra, 25:20028
  Hadronic mass spectrum, 22:9577
  Hadronic matter near the boiling point, 22:46396
  Remarks on the thermodynamical model of strong interactions, 25:3355
  Statistical thermodynamics of strong interactions at high energies. II, 23:8796
  Statistical thermodynamics of strong interactions at high energies. III, 23:8797
  Thermodynamical model of strong interactions, 25:30838
  Thermodynamics of strong interactions at high energy and its consequences for astrophysics, 24:25939
  Thermodynamics of strong interactions at high energies and its consequences for astrophysics, 25:22338
  Thermodynamics of strong interactions, 25:38724 (CERN-71-12)
HAGEDORN, W. Isobaric analogue states in strontium isotopes, 22:18159
HAGEE, G. R. Ground state parity of ^{227}Ac, 22:42043
  Levels and transitions in ^{209}Bi, 23:49424
  Levels, transitions, and rotational structure in ^{227}Ac, 23:15479
  Multipolarities of several transitions in ^{227}Ac, 23:31029
  Parts-per-million quantities of ^{236}Pu in ^{238}Pu, 22:39985 (MLM-1486)
  Radiation measurements of ^{238}Pu endogenous heat study sources for artificial heart program, 23:9650 (MLM-1556)
  Two methods of determining ppm quantities of ^{236}Pu in PuO_2, 23:2223
  Two methods of determining ppm quantities of ^{236}Pu in ^{238}Pu, 25:51402
  Weak alpha and electron-capture decay in ^{208}Po and ^{209}Po, 21:5534 (MLM-1251)
HAGEE, G. Richard Decays of ^{210}Bi and /sup 210m/Bi to levels in ^{206}Tl, 23:42951
  Half life of /sup 210m/Bi, 23:40067
HAGEGE-TEMMAN, J. Kinetic study of species formed during the pulsed radiolysis of ammonia, 25:54661
HAGE-HASSAN, Mehdi Projection methods and their applications to Hartree—Fock wave functions, 25:15143 (LYCEN-7050)
HAGEL, W. C. Oxygen diffusion in hypostoichiometric Zr oxide in temperature range of 875 to 1050°C, 22:41102
  Oxygen-ion diffusivity in hypostoichiometric zirconium dioxide, 22:41117
HAGELBERG, R. Excited states of α-particle by coincidence measurements, 24:45724
  Helium-4 final state interactions and quasifree scattering in deuteron-induced three-particle reactions on ^{6}Li, 25:31187 (NP-18741)
  Investigation of T = 0 excited states of ^{4}He using three-particle reactions, 25:17684 (KFK-1055)
HAGEMAIER, D. Nondestructive testing of space vehicle liquid propellant rocket engines, 23:17723
HAGEMAN, Donald Henry Albert Application of the method of stationary phase to potential scattering theory, 21:46605
HAGEMAN, L. A. Computer code TWIGL, 22:46710
  DUZ-2: program for solving axisymmetric and plane elastic-plastic problems on CDC-6600, 25:345 (WAPD-TM-926)
  Estimating optimum acceleration parameters for use in successive overrelaxation, 21:13787 (WAPD-TM-592)
  Singular difference approximations for the discrete ordinate equations in x—y geometry, 21:40061
  Solution of neutron group-diffusion equations, 23:47320
  Solution of the discrete ordinate equations in one and two dimensions, 21:44525 (WAPD-T-2028)
  Solution of the neutron-group diffusion equations, 23:37720
  Solution of the time-dependent group diffusion equations, 23:40427 (CONF-690401-, pp 55-75)
  Solving the neutron transport equation in x-y geometry, 24:35805
  Synthetic method applied to S/sub n/ equations, 23:42844
  Synthetic method as applied to the S/sub N/ equations, 23:3911
  TWIGL: program to solve two-dimensional, two-group, space-time neutron diffusion equations with temperature feed-back, 22:29834 (WAPD-TM-743)
HAGEMAN, Philomena C. Activation of mammary tumor virus in O20 strain mice by x irradiation and urethane, 23:45912
HAGEMANN, G. B. Coulomb excitation of ^{154}Gd and ^{166}Er, 24:49806
  Determination of the gyromagnetic ratios of ^{161}Dy from branching-ratio measurements, 22:14008
  Electromagnetic transitions from levels in the beta-vibrational band of ^{174}Hf, 25:20427
  Excited states of ^{116}Sn populated by (α,2n) reaction, 23:44945
  Larmor precession for 4+ states in Er isotopes, 22:46800
  Matrix elements between collective states in ^{152}Sm, 24:43359
  Two excited 0' states in ^{168}Yb, 21:25562
HAGEMANN, Gerd Depth-dependent changes of RBE, LET, and energy spectrum in high-energy electron radiation. II, 22:31084
  Dose intensity of x-ray beam, 23:14216
  Reaction of proliferating cartilaginous tissue to 14.4 MeV-electrons, ^{60}Co-gamma- and 200 kV X-rays, 25:44921
HAGEMANN, K. A. Anomalous rotational band in ^{161}Er, 23:28314
  Larmor precession for 4+ states in Er isotopes, 22:46800
  Low-lying high-spin states in ^{155}Gd, 25:3700
  Magnetic hyperfine field at ^{182}W, 24:32932
  Positive-parity bands in erbium isotopes, 24:38225
  Time-dependent interactions on rare-earth ions implanted into copper lattices, 24:49805
HAGEMANN, R. Absolute isotopic scale for deuterium analysis of natural waters, 25:34518
  Automatic mass spectrometer for the isotopic analysis of hydrogen in natural water samples, 25:10463
HAGEMANN, R. B. Evaluation of magnetic pulse forming as a joint fabrication technique for CP-5 fuel elements, 22:202 (ANL-7343)
HAGEMANN, R. F. Effect of cell concentration during irradiation at low oxygen tension on survival of mouse cells, 22:40913
  Mechanism of modification of radiation effect by dimethyl sulfoxide, 25:32438
  Radiation LD/sub 50/5/ and its relation to surviving intestinal stem cells, 24:14585
HAGEMANN, Robert Absolute determinations of total and partial effective ionization cross sections of He, Ne, Ar, and acetylene for electrons of 100 to 2000 eV, 21:46141
HAGEMANN, Robert J. Pulse radiolysis study of solutions of α-chlorotoluene in cyclohexane, 21:36043
HAGEMANN, Ronald F. Effect of dimethyl sulfoxide on radiation skin lesions, 23:50627
  Effects of DMSO on response of mouse lens and cornea to x-irradiation, 23:50631
  Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: single x-ray exposures, 25:44911
  Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: age response and animal lethality, 25:46993
  Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: fractionated x ray exposures, 25:47002
  Irradiation of GI tract, 25:49289
  Mitotic inhibition and its relation to survival in S-180 ascites tumor cells in vivo following fractionated exposures of x-radiation, 25:19091
  Modification of radiation effect on the eye by topical application of dimethyl sulfoxide, 25:29562
  Radiation effect on glycine transport in ascites tumor cells, 24:50743
HAGEMANN, Ronald Fred Effect of x-irradiation on glycine transport in Ehrlich ascites tumor cells, 22:45640
HAGEMANN, U. Highly excited isomeric state in ^{117}Sb, 24:38282
  Isomer in ^{117}Te, 23:13281

Nanosecond lifetime measurements of excited nuclear states at heavy ion cyclotron, U-300, 25:42187 (JINR-P13-5801)
Nanosecond lifetime measurements of excited nuclear states at heavy ion cyclotron U-300. II, 25:53411 (JINR-P13-5803)
Nanosecond pulsed beam experiments at the heavy ion cyclotron, 25:45837 (JINR-E13-5796)
Omega-forbidden transition in ^{173}Tm, 22:16027
Three-quasiparticle excitations in ^{205}At, 25:38985 (JINR-E6-5802)
Two-quasiparticle (h/sub 9/2/)^2 isomeric state in ^{202}Po, 25:10027 (JINR-E6-5379)
HAGEMARK, K. Equilibrium O pressures over solid solutions of urania—yttria and urania—lanthana at 1100° to 1400°C, 22:11053
Equilibrium oxygen pressures over the nonstoichiometric uranium oxides UO/sub 2 + x/ and U$_3$O/sub 8 - x/ at higher temperatures, 21:4504
HAGEMARK, Kjell Theoretical concepts for high temperature ternary molten systems, 23:37957
HAGEMEYER, J. W. Dynamic compaction of metal powders with a high velocity impact device, 22:43562
HAGEMMAIER, Don Testing rocket engine materials, 23:21916
HAGEN, A. Description of control experiment in EUROCHEMIC reprocessing facility, 24:20849 (KFK-907)
Development of safeguards procedures for a reprocessing plant similar to the WAK type, 25:4263 (KFK-1102)
Incorporation of machine data handling in the monitoring of fissionable material in large research centers, 25:10796 (KFK-866)
Material accounting system for safeguards in nuclear fuel cycle, 25:51748 (A/CONF.49/P-415)
Progress report, annual, 1969-70, 25:21082 (KFK-1107)
Qualitative safeguard measures in sphere of control of fissionable material, 25:23754 (KFK-1108)
Shipping of irradiated fuel elements from fast breeder reactors, 24:39176 (ORNL-tr-2348)
Transportation of irradiated fuel elements from fast breeder reactors, 24:20968 (KFK-666)
HAGEN, C. R. Bargmann—Wigner method in Galilean relativity, 24:49466
Breakdown of current algebra in Lagrangian field theories, 23:23541
Broken symmetries and Goldstone theorem, 23:13115
Broken symmetries for any spin, 23:30776
Compositeness criteria in field theory, 23:16990
Compositeness criterion on an unphysical sheet, 21:37927
Conference on particles and fields, Rochester, N. Y., 8—9/67, 22:17886
Current definition and mass renormalization in a model field theory, 22:3373
Derivation of Adler's divergence condition from field equations, 23:18979
Electromagnetic mass splittings of the baryon octet, 21:33662
Formal breakdown of Lorentz invariance in two-dimensional field theories, 22:44479
Fourth-order calculation of divergent part of Z_3 in spin-zero electrodynamics, 25:1612
Galilean invariant Lee model for all spins and parities, 25:47835
Impossibility of finite charge renormalization in sixth order, 22:35081
Magnetic moment of a particle with arbitrary spin, 24:32983
New solutions of the Thirring model, 21:44434
Nonexistence of anomalous commutators in spinor electrodynamics, 24:18273
Spontaneous symmetry-breaking effects in some soluble field-theoretical models, 21:4107
HAGEN, D. I. Precipitation scavenging of submicron particles. Pt. B, 21:41014 (BNWL-SA-1405)
Precipitation scavenging of submicron particles: comparison of theory with field results, 23:9569 (BNWL-715-3, pp 165-70)
Precipitation scavenging studies, 22:18954 (BNWL-481-1, pp 43-52)
Washout coefficients for selected gases and particulates, 21:14325 (BNWL-SA-657)
Washout coefficients for silver iodide, 21:14124 (BNWL-SA-798)
HAGEN, E. Epidermal ultrastructure and subepidermal nerves before and after x irradiation. II, 21:12973
Epidermal ultrastructure and the subepidermal nerves before and after x irradiation. I, 21:14717
HAGEN, E. C. Lifetimes of low-lying levels in ^{57}Ni, 24:43195
HAGEN, E. W. Reactor availability and station reliability for continuity of service, 25:50937
Reactor availability and station reliability for continuity of service, 25:59918
Use of steam-electric power plants to provide thermal energy to urban areas, 25:10094 (ORNL-HUD-14)
HAGEN, G. Mean amplitudes of vibration of comparatively large molecules. I, 22:27646
Molecular vibrations and mean amplitudes of carboxylic acids. IV, 25:37366
HAGEN, Garrett A. Dosage levels of ^{131}I in the treatment of thyrotoxicosis, 22:38376
Double-isotope derivative assay of serum iodothyronines. II. Thyroxine, 25:28986
Treatment of thyrotoxicosis with ^{131}I and post-therapy hypothyroidism, 22:49501
HAGEN, Gretchen L. Color index of the Sun from the Mg b triplet, 25:22321
UBV photometry of star clusters in the Magellanic clouds, 23:18362
HAGEN, H. Cost parameters for transport of irradiated fuels, 24:9629
HAGEN, J. Superconductivity in the alloy system indium—thallium, 21:15074
HAGEN, J. A. C. Iodine-131 lymphography or endolymphatic radiotherapy, 24:14556
HAGEN, J. Peter Jr. Color index of the Sun from the Mg b triplet, 25:22321
HAGEN, John P. Identification of two distinctive types of centimeter radio bursts with flare location, 25:47287
Model for the early stage of solar radio bursts, 22:41232
Observation of a vortex ring in the solar atmosphere, 24:42424
HAGEN, M. Level schemes of ^{28}Si, ^{30}S, ^{34}Ar, and ^{42}Ti studies with (^{3}He,n) reaction, 22:20515
Reaction ^{54}Fe(d,n)^{55}Co and level scheme of ^{55}Co, 25:5675
Reactions (d,n) on even Ar isotopes, 24:52502
Singlet deuteron emission in (^{3}He,d) reaction described by distorted-wave Born approximation, 24:38083
States in ^{12}N and ^{12}C formed in reactions of ^{10}B with helions, 25:7815
Target ground state correlations in the (d,n) reactions on even argon isotopes, 24:22108
HAGEN, O. Evaluation of PM collets: control rod drive mechanism study, 21:5669 (NYO-3370-4)
HAGEN, R. Leukocyte volume following whole-body and partial-body irradiation, 25:52234
HAGEN, R. N. HYDRAX: FORTRAN program to calculate the energy release during a reactivity accident, 23:21504 (IDO-17275)
Transient tests of fully enriched UO$_2$-stainless steel plate-type C-core, 21:23719 (IDO-17223)
HAGEN, U. Biological effects of ionizing radiations, 24:854
Changes in DNA after exposure to H atoms and gamma radiation, 24:11957
Effect of ionizing radiation on the biological activity of desoxyribonucleic acid, 23:6355 (UCRL-Trans-10237)
Effects of ionizing radiation on the biological activity of desoxyribonucleic acid, 23:13780
Enzymatic RNA synthesis on irradiated DNA, 24:21082
Fluorescence of uv- and x-irradiated DNA solutions, 21:22358
Radiation sensitivity of desoxyribonucleic acid in the cell, 21:22359
Radiation-induced breaks in DNA, 25:55133
Radiosensitivity of bacteriophage DNA. II, 24:41768
Radiosensitivity of hydrogen bond in DNA, 23:4872
Reactions in irradiated DNA solutions, 25:52004
Transcription on irradiated DNA, 24:34090
HAGEN, Ulrich Alterations in the DNA structure in irradiated phages, 25:35259
Dependence of the dose and dose rate on the relative biological effectiveness of electrons, 22:51695
Effects of spermidine on reaction of RNA nucleotidyltransferase, 23:778
End group determination in γ-irradiated DNA, 24:50716
Homopolymer synthesis with irradiated DNA in RNA polymerase system, 23:15908
Oxygen effect in γ-irradiated DNA, 25:26637
Radiation sensitivity of bacteriophage DNA. I, 23:47973
Radiosensitivity of deoxyribonucleic acid of chromatin, 22:47456
Studies on radiosensitivity of DNA. II, 21:12783
HAGENA, O. F. Flux and speed distributions of molecular beams after scattering by metal surfaces, 22:47829
HAGENA, Otto F. Time-of-flight velocity analysis of atomic and molecular beams, 22:9004
HAGENA, Otto Friedrich Velocity distribution measurements of molecular beams scattered from solid surfaces, 21:3646
HAGENAS, Lars Uv-irradiation induced changes in the uptake of acridine orange in living mouse fibroblasts in vitro, 25:8770
HAGENAUER, R. C. Decay of ^{89}Zr and /sup 89m/Zr and levels of ^{89}Y, 23:10977
HAGENAUER, Richard Carl Decay of neutron deficient nuclides of mass 89, 25:1720 (TID-25547)
Decay of neutron-deficient nuclides of mass 89, 24:15844
HAGENBERG, Wolfgang Radiochemical investigations on phthalocyaninato actinide complexes, 24:48144
HAGENBUCH, K. M. Theory of nonlinear mixed frequency generation in an anisotropic plasma, 22:1173 (AD-647683)
HAGENBUCH, Keith Marshall Theory of nonlinear mixed frequency generation in an anisotropic plasma, 22:24335
HAGENE, Monique Production and study of a supersonic molecular beam of plane symmetry, 24:48990
Total cross section of Ar—Ar system as function of velocity, 24:37248
HAGENGRUBER, R. L. Production of polarized neutron beams from D(d,n)^{3}He and T(d,n)^{4}He reactions, 25:53507
HAGENMULLER, P. Systems B$_2$O$_3$—MO—MS boracites M—S (M = Mg, Mn, Fe, Cd) and sodalites M—S (M = Co, Zn), 25:11526
HAGENMULLER, Paul Electronic structure of some hexaborides of the CaB$_6$ type, 25:14463
Study by infrared spectroscopy of alkaline earth amides, 21:4518
HAGEN-THORN, V. A. Polarimetric investigation of the galaxy NGC 7814, 24:25926
Polarization study of Galaxy NGC 3077, 22:13133
HAGER, A. Preparation and biological behavior of radioactive Au colloid protected by PVP, 23:9978 (CNEA-213)
HAGER, Chester B. Hormonal regulation of enzyme synthesis, 22:7955 (ORNL-P-3466)
HAGER, H. G. Semiempirical method for determination of the natural flux plane in continuous plates, 21:5610 (EIR-96)
HAGER, John P. Free energies of formation of anti CrS, anti Mo$_2$S$_3$, and anti WS$_2$, 21:24820
HAGER, R. Higher-order corrections to internal conversion, 25:5826
HAGER, R. S. Internal conversion of 6-keV transition in ^{181}Ta, 24:3940
Internal conversion tables. I, 22:9917 (CALT-63-60)
Internal conversion tables. I, 22:24919
Internal conversion tables. II, 23:4084
Internal conversion tables. III, 23:34751
HAGER, Ralph Stuart Anomalous electric dipole internal conversion, 21:7806
HAGERMAN, D. C. Blocking oscillator modulator, 22:37230 (LA-DC-9478)
Los Alamos Meson Physics Facility accelerator, 24:3814
Power sources for LAMPF accelerator, 22:37225 (LA-DC-9444)
HAGERMAN, Donald C. Current status of Los Alamos meson physics facility, 22:41902 (RHEL/M-124, pp 225-9)
High duty factor rf sources at 800 MHz, 21:19090 (LA-DC-8343)
HAGERTY, P. Evidence for existence of a narrow anti pn bound state, 25:36399
Production of three charged pions in anti p + n annihilation at rest, 22:17863
HAGERTY, Patrick Edwin Antiproton—neutron annihilation at rest into final states of 5 and 6 pions, 25:14553
HAGEY, Graham L. Navy radioisotope power programs for terrestrial and undersea applications, 21:41158
HAGFORS, T. Collision dominated electron density fluctuations in a plasma, 25:33276
Conductivity of a weakly ionized plasma, 24:51677
Measurement of vertical ionospheric motions near the magnetic equator, 23:16741
Simultaneous observation of proton precipitation and auroral radar echoes, 25:55963
HAGFORS, Tor Effect of coherent density fluctuations on the radar determination of total electron content, 21:43909
Radar astronomy, 22:31592
HAGG, E. L. Electron densities of 8 to 100 electrons cm^{-3} deduced from Alouette II high-latitude ionograms, 21:9418
Novel spike observed on Alouette II ionograms, 25:17005
Observation of electrostatic resonances of the ionospheric plasma, 23:3374
Properties of high-latitude ionospheric ducts, 23:44314
Stimulation of ionospheric-resonance echoes by the Alouette II satellite, 25:17004
HAGGAG, A. Amine extraction and determination of activity coefficients of neptunium and plutonium nitrates, 21:32183
Extraction of Th and Ce(III) nitrates with mixtures of neutral solvents, 22:27873
Neutron activation analysis by standard addition and solvent extraction, 21:45044
HAGGAG, G. M. Deactivation of some hydrolytic enzymes in fish after radiation exposure, 24:44427
HAGGBLOM, H. Fast elastic and inelastic cross sections for ^{238}U, 21:25517 (RFR-191)
HAGGE, D. E. Low energy galactic cosmic rays, 22:2871
HAGGE, Donald E. High altitude cosmic ray experiments using small superconducting magnet, 22:36760 (UCRL-18149)
Measurement and interpretation of isotopic composition of H and He cosmic-ray nuclei, 22:36757 (N-68-10507)
HAGGER, D. Reactor control neutron detectors for operation at high temperatures, 23:23881
HAGGERTY, Herman Frederick Bubble chamber search for K/sub S/° $\rightarrow \pi^+\pi^-\pi^0$, 25:14537
HAGGERTY, J. S. Plasticity and creep in single crystals of zirconium carbide, 24:12471
Single crystal transition metal diborides, 24:8205
Structure and orientation of the second phase in ZrB$_2$ crystals, 22:38641
HAGGERTY, M. J. Kinetic equation for a homogeneous nongyrotropic magnetoplasma, 21:11598
Kinetic theory of inhomogeneous rotating self-gravitating systems: local energy production from binary interactions, 25:30230
Kinetic theory of inhomogeneous rotating self-gravitating systems: enhanced collisional diffusion and dissipation, 25:30229
Newtonian model for the creation of a hierarchical cosmology, 25:33043
Non-Markoffian kinetic theory and hierarchical cosmologies, 25:40331
Plasma kinetic theory of transverse diffusion, 22:1147
HAGGERTY, Michael J. Generalized Landau kinetic equation describing transverse diffusion of nongyrotropic plasma column, 21:13526 (N-66-26751)
HAGGERTY, R. High-resolution x-ray images of sun using grazing incidence telescope, 25:884 (N-70-29888)
HAGGERTY, S. E. Primary oxidation variation and distribution of uranium and thorium in a lava flow, 21:22058
HAGHIRI, F. Detailed characterization of soil and vegetation on selected sites. Technical progress report, March 1, 1970—November 26, 1970, 25:13118 (COO-414-17)
Fate of ^{90}Sr in soil, plants, and water, 25:16085
Prog. rpt. on characterization of soil and vegetation to serve as basis for future evaluation of effects of radioactive contamination, 3—11/66, 21:10722 (COO-414-4)
Prog. rpt. on detailed characterization of soil and vegetation, 3/1—11/20/67, 22:6795 (COO-414-6)
Prog. rpt. on detailed characterization of soil and vegetation for future evaluation of effect of radioactive contamination, 3/1/68—11/26/68, 23:7627 (COO-414-8)
Prog. rpt. on detailed characterization of soil and vegetation on selected sites to serve as basis for future evaluation of effect of radioactive contamination, 3/1/69—11/26/69, 24:7814 (COO-414-13)
Removal of ^{90}Sr by plant uptake, 24:9807
HAGI, Yogo Transient analysis of self-pressurized water reactor plant, 22:53290

- HAGIE, L. T. Calculated inventory differences: a potential safeguards and material control technique, 25:48783 (CONF-710617-9)
  - Integrated safeguards experiment. Second quarterly report, September—November 1970, 25:32180 (GEAP-12114-4)
  - Prog. rpt. on integrated safeguards experiment, 5—8/70, 25:6518 (GEAP-12114-2)
  - Prog. rpt. on Integrated Safeguards Experiment, 12/70—3/71, 25:42035 (BHO-68-6)
- HAGIE, Laird T. Operating computerized safeguard and criticality system for plutonia and urania, 25:4295
- HAGIE, Laird Toothacre Process for preparing nuclear fuel pellets from uranium or plutonium oxide or mixtures thereof, 25:49515
- HAGIFUJI, Yasuhiko Preparation of wood-VDC composite by radiation, 24:31323
- HAGINOYA, Tohru Present status of research and development on safeguards techniques, 22:53289
- HAGINOYA, Toru Reprocessing of spent nuclear fuel in Japan, 22:4243
  - Revision of the US—Japan and Britain—Japan atomic agreement, 23:11393
  - Safety measures associated with development of atomic energy, 25:21376
- HAGITO, Yasuhiko Preparation of wood-polymer composite by ionizing radiation. I, 24:11572 (JAERI-5022, pp 125-34)
  - Preparation of wood-polymer composite by ionizing radiation. III, 24:11574 (JAERI-5022, pp 144-56)
- HAGIWARA, Etsuko Mechanism of H_2—D_2 exchange over ZnO, 24:29282
- HAGIWARA, Kazuyoshi Determination of Th in Zr oxide, 23:4537
- HAGIWARA, M. Structure and properties of polyethylene produced by γ-radiation polymerization, 23:7566
- HAGIWARA, Miyuki Copolymerization of ethylene with tetrafluoroethylene by gamma radiation, 24:16582
  - Effect of acetylene of γ-radiation-induced polymerization of ethylene, 22:51004
  - Effect of alcohols on the gamma-radiation-induced polymerization of ethylene, 22:45130
  - Effect of oxygen on γ-radiation-induced polymerization of ethylene, 22:8136
  - Effects of alkyl halides on the γ-ray induced polymerization of ethylene, 24:20838
  - Effects of the temperature on the γ-radiation-induced polymerization of ethylene, 21:5929
  - Flow method study of the gamma-ray-induced polymerization of ethylene, 21:32208
  - Gamma-ray induced copolymerization of ethylene and vinyl chloride, 23:28881
  - γ-ray induced solution copolymerization of ethylene, 24:31384
  - Influence of agitation on gas-phase ethylene polymerization induced by γ-rays, 22:4179
  - Initiation reaction in γ induced polymerization of ethylene, 21:1393
  - Kinetics of the γ-induced polymerization of ethylene in liquid carbon dioxide, 23:6157
  - Liquid carbon dioxide as a solvent for the radiation polymerization of ethylene, 23:6160
  - Mechanism of initiation in γ-induced polymerization of ethylene, 21:25892
  - Network formation induced by acetylenic compounds in the polymerization of methyl methacrylate, 24:27164
  - Participation of an excited monomer in propagation reaction of the γ-ray induced polymerization of ethylene, 25:10612
  - Polyethylenes formed by the γ-radiation-induced polymerization in various alcohols, 22:2105
  - Radiation induced chain reaction and its application to polymer chemistry, 25:4097
  - Radiation polymerization of ethylene using carbon dioxide as reaction medium, 24:44055
  - Reactivity of growing chain radicals in ethylene polymerization induced by γ-ray, 24:31383
  - Study on the radiation-induced chain crosslinking and crosslinking polymerization, 25:8276 (JAERI-Memo-4147)
  - Two stage radiation polymerization of ethylene in the presence of a carbon dioxide medium, 25:6357
  - Two-stage irradiation study on propagation and termination in γ-radiation-induced polymerization of ethylene in liquid carbon dioxide, 22:25426
- HAGIWARA, Oko Copolymerization of vinyl chloride and olefin, 24:11618
- HAGIWARA, Satoru Manipulator with a hoist, 23:9635
  - Manipulator, 22:51216
- HAGIWARA, Yukio Natural radioactivity in the Matsushiro earthquake area, 22:27909
- HAGIWARA, Zenzi Analysis of the elution system of rare earths with chelating agent as eluent, 25:201 (CONF-700403-(Vol.1), pp 293-304)
  - Behavior of small amounts of thorium in the separation of heavy rare earth elements by ion exchange, 25:6403
  - Elution of heavier rare earths with HEDTA eluant at high temperature, 24:275
  - Elution system of the rare earths, 23:45386
  - Enrichment of ^{6}Li by ion exchange, 23:19854
  - Enrichment of stable isotopes. I, 23:28969
  - Enrichment of stable isotopes. III, 23:35299
  - Enrichment of stable isotopes. IV, 23:47620
  - Erbium—Tm separation factor in presence of chelating agent and elution behavior of binary mixtures of Er and Tm, 23:49919
  - Ion exchange of Er and Tm with HEDTA, 24:11664
  - Ion-exchange equilibria for Cs—H system, 24:33771
  - Separation factors of adjacent rare earths, 23:49916
  - Separation factors of lanthanons at 60°C, 24:22757
  - Studies on cation exchange equilibria for the uranyl—hydrogen system, 22:21160
  - Theoretical treatment of elution system of rare-earth with dilute HEDTA eluant, 24:14014
- HAGIWARI, Miyki Kinetics of the gamma-radiation-induced polymerization of ethylene in tert-butyl alcohol, 23:2339
- HAGIYA, Miyoshi Auxiliary tongs for a power-driven manipulator, 22:51213
  - Target for particle accelerators, 23:39886
  - Tongs for handling a nuclear fuel rod, 23:29120
- HAGLE, Robert E. Survival of ^{51}Cr-labeled erythrocytes as studied by instrumental activation analysis, 25:10503
- HAGLER, M. O. Conference on thermonuclear fusion reactor design, 6/70, Lubbock, Tex, 25:3130 (ORO-1171-1)
  - Global temperature effects of the use of fusion energy and the fusion torch, 25:58956
  - Inexpensive, fast on—off, high power, pulsed rf amplifier, 25:7362
  - Plasma diagnostic methods for high temperature plasma research, 21:42029 (ARL-67-0062)
  - Prog. rpt. on harmonic ion cyclotron wave propagation and plasma heating, 11/15/69, 24:8428 (ORO-3778-2)
  - Prog. rpt. on heating for thermonuclear power, annual, 5/70, 25:47495 (AD-714619)
  - Wave propagation and damping in a hot, bounded plasma, 25:52863 (ORO-3778-6)
- HAGLER, Sumner Carcinoma of the thyroid in children and young adults, 21:24605
- HAGLER, William S. Eye tumor identification tests using semiconductor detectors, 25:58064
  - Medical problems in eye tumor identification, 25:58063
- HAGLUND, Bengt Olof Microhardness of WC, 24:32492
- HAGLUND, David S. Redistribution of U in carbonate sediments, 24:14094
  - Uranium in carbonate sediments, 23:40898
- HAGMAN, Daisy Recent experiences with activation analysis, 24:33652
- HAGMAN, Lars-Ove Note on structures of M(IV)P_2O_7(M(IV) = Ge, Zr, and U), 23:45279
- HAGMANN, D. B. Examination of EBR-II experimental irradiations, 25:51783
  - Interim examination of EBR-II experimental irradiations at Fuels and Examination Facility, 25:4301
  - Remote disassembly and examination of the PM-2A reactor vessel, 22:4410
- HAGMANN, R. Electrical penetrators for nuclear reactor containment vessels, 23:31238 (CONF-690113-3)
  - Electrical penetrators for reactor containment vessels, 24:13645
- HAGMUELLER, K. Adaptation of the thyroid gland to iodine deficiency, 22:45386
- HAGN, E. Measurements of NMR on oriented ^{192}Ir and /sup 191m/Ir in Ni and Fe host lattices, 25:59807
- HAGNER, J. Measurement of the thermal absorption cross sections of Lu, Eu, and Yb, 21:38303
- HAGOOD, M. A. Factors affecting the ability of agriculture to pay irrigation-water costs, 22:23205
- HAGOPIAN, S. Automatic track following program, 21:22131 (NYO-2171-222)
  - Backward rho production in π^-p reactions at 2.3 GeV/c, 24:35612
  - Pattern recognition of four prong events, 23:33517 (ANL-7515, pp 412-20)
  - Rho—ω interference in $\pi^- + p \rightarrow \pi^- + \pi^+ + n$ at 2.3 GeV/c, 25:17384
  - Rho—ω interference in $\pi^-\pi^+$ decay mode of reaction $\pi^- + p \rightarrow (rho,\omega) + n$ at 2.3 GeV/c, 24:51952 (NYO-2171-319)
  - rho—ω interference in $\pi^-\pi^+$ decay mode of reaction $\pi^- + p \rightarrow (rho,\omega) + n$ at 2.3 GeV/c, 24:51963
- HAGOPIAN, Sharon Lee Ford Single-pion production in π^-p interactions at 2.3 GeV/c, 25:14570
- HAGOPIAN, V. Absorption model applied to π—π scattering, 24:45511
  - Backward rho production in π^-p reactions at 2.3 GeV/c, 24:35612
  - Determination of delta$_0^0$ and delta$_1^1$ from Chew—Low extrapolation, 23:36834 (NYO-2171-271)
  - Pattern recognition of four prong events, 23:33517 (ANL-7515, pp 412-20)
  - Rho—ω interference in $\pi^- + p \rightarrow \pi^- + \pi^+ + n$ at 2.3 GeV/c, 25:17384
  - rho—ω interference in $\pi^-\pi^+$ decay mode of reaction $\pi^- + p \rightarrow (rho,\omega) + n$ at 2.3 GeV/c, 24:51963
  - Rho—ω interference in $\pi^-\pi^+$ decay mode of reaction $\pi^- + p \rightarrow (rho,\omega) + n$ at 2.3 GeV/c, 24:51952 (NYO-2171-319)
  - Study of $\pi\pi$ elastic scattering using Chew—Low extrapolation method, 23:5613
- HAGOPIAN, Vasken Single-pion production in $\pi^- + p$ collisions at 2.14 GeV/c, 21:9713
  - Strange-particle production by 1.7-GeV/c π^+ on protons, 24:45438
  - Study of K/sub e4/ decays, 23:32611
- HAGSGARD, S. Active material transport, 22:17026
  - Decontamination experiments on intact pig skin, 21:12828 (AE-255)
  - Release of radioactive material in event of destruction of full Type A package, 23:588 (CONF-681001-, pp 646-62)
- HAGSTON, W. E. Effects of preferential pairing and its detection using electron radiation damage, 25:40773
  - Identification of edge and exciton emission centres in CdTe, 25:40788
- HAGSTROEM, S. B. M. 4f electronic states in the metals Nd, Sm, Dy, and Er studied by x-ray photoemission, 25:19866
  - Direct voltage calibration of an electron spectrometer, 23:16208
  - Electron density of states in Yb metal, 24:45362
  - Optical excitation of 4f electrons in Yb, 24:28080
- HAGSTROM, J. T. Gas—water simulation studies of sodium—water reactions, 22:52158 (APDA-226)
- HAGSTROM, Ruth M. Long-term effects of radioactive iron administered during human pregnancy, 24:2821
- HAGSTROM, S. B. M. Chemical effects on core-electron binding energies in iodine and europium, 22:43871
- HAGSTRUM, H. D. Ion-neutralization spectroscopy of copper and nickel, 21:37575
  - Nonradiative processes at solid surfaces, 25:58692
- HAGSTRUM, Homer D. Ion-neutralization spectroscopy of solids and solid surfaces, 21:837
- HAGUE, J. F. Precision measurement of the magnetic moment of the muon, 24:45411
  - Variance reduction in the Monte Carlo method for determining the volume of multidimensional nonanalytic solids, 21:10629
- HAGUE, James R. Fabrication of materials by high-energy-rate impaction, 22:746
- HAGUENAUER, B. Distribution of U and Cu in marine miocene series of the Tage Basin, Portugal, 21:45243
- HAGUENAUER, M. Study of 10 GeV/c K^+-nucleus coherent interactions and Q-nucleon cross-section, 25:19913
- HAGYAN, H. Some reactions of the organisms to radiation in different oxygen pressures, 25:35118
- HAGYARD, M. J. Analytic solutions to the Unno transfer equations, 25:27368
  - Calculations of astrophysical partition functions, 24:51247 (N-70-29796)
- HAHAN, Eric W. Changes in ovarian intravascular compartment prior to superovulation in x-irradiated rats, 25:32578
- HAHN, B. Conservation of muonic lepton number, 23:42540
  - Conservation of μ-lepton number, 24:21926
  - Dependence of neutrino—nucleus cross sections on the nucleon number of the target nucleus, 25:25294
  - Dependence of τ—nucleus cross sections on the mass number, 23:25504 (CERN-69-7, pp 61-71)
  - Dependence of τ-nucleus cross sections on mass number, 24:10661
  - Production of energetic He fragments with 22 GeV/c protons, studied in a bubble chamber, 21:38236
  - Spinner and some applications, 22:10560
  - Spinner: a new detector for rare nuclear processes, 22:21341
  - Spontaneous fission of ^{238}U and ^{241}Am, 25:12538
  - Upper limit of the anti τ-contamination in the CERN neutrino beam, 24:15708 (CERN-69-28, pp 47-53)
- HAHN, B. H. Phase diagram for Y—Cd—Zn system and its compounds, 25:16542
- HAHN, Barbara Effect of energetic beams on the erythrocyte life time, 21:45754
- HAHN, Bo-Sup Some observations on isotopic scramblings accompanying acetolysis in the 2-norbornyl system, 25:23576
- HAHN, Dennis R. Misuse and abuse of diagnostic x-ray, 24:36838
- HAHN, E. Conference on thin films, Budapest, 1967, 24:44677
- HAHN, E. L. Cyclotron echoes in a weakly ionized cesium plasma, 24:15366
  - Developments in nuclear double resonance spectroscopy, 22:31998
  - Scheme for sensitive nuclear double-resonance detection, 24:40201
  - Zero-field nuclear spin relaxation and resonance absorption in superconducting aluminum, 21:37370
- HAHN, E. W. Preconception irradiation of dam and composition of offspring, 23:33838
- HAHN, Eberhard Device for measuring and/or indicating radiation intensity, 21:10674
- HAHN, Eric W. Differences in response of Long—Evans, Sprague—Dawley, Wistar, and Sherman rats to x-ray induced increases in liter size, 25:24350
  - Incident of mating in x-irradiated female rats, 25:21854
  - Increased embryonic survival in irradiated rats receiving progesterone therapy, 22:38350
  - Latent effects of prefertilization x-irradiation on the reproductive performance of the female rat, 21:45801
  - Modification of triiodothyronine—^{131}I uptake of red blood cells of rats by x-irradiation, 22:2548
- HAHN, F. F. Effect of whole-body x-irradiation on pulmonary bactericidal function, 25:52227
- HAHN, Fletcher F. Mortality response of neutron-irradiated mice, 22:45684
- HAHN, G. Bubble chamber with pulsed magnetic field, 22:25669 (BMwF-FBK-68-02)
  - Hyperon bubble chamber HYBUC, 25:34972 (CONF-700623-(Vol.2), pp 640-6)
- HAHN, G. M. Effects of light on viability and DNA synthesis of mammalian cells preincubated in media containing brominated pyrimidines, 24:34576
  - Endogenous non-protein sulphydryl and cellular radiosensitivity, 23:38491
  - Failure of Chinese hamster cells to repair sub-lethal damage when x-irradiated in plateau phase of growth, 22:31229
  - Radiochemotherapy of cell cultures, 24:27665
  - X-ray sensitivity of hamster cell monolayer cultures, 22:40897
- HAHN, G. T. Effects of second phase particles on ductility, 21:13183
  - Failure criteria for through-cracked vessels, 24:17294
  - Influence of a fine dispersion on the cleavage strength of iron, 21:26906
  - Linear arrays of moving dislocations emitted by a source, 23:12361
  - Tensile properties of chromium and chromium—rhenium alloys, 23:27094
- HAHN, George M. Cell-cycle-dependent protection by cysteamine against x-ray-induced chromosome aberrations, 23:6554
  - Proliferation of mammalian cells in tissue culture. Effects of single and multiple doses of ionizing radiations, 21:36710
  - Radiobiology of mammalian cells, 25:11239 (BNL-50203, pp 117-29)
- HAHN, George T. Conference on dislocation dynamics, Seattle and Harrison, B.C., 5/67, 23:12365
- HAHN, H. Analysis of iris-loaded deflectors in the small-hole approximation, 22:15872 (BNL-12143)
  - Analysis of iris-loaded deflectors in the small-pitch approximation, 23:15294 (BNL-13261)
  - Coupling losses in superconducting cavities, 23:3397 (BNL-12971)
  - Design of dielectric-loaded rectangular deflectors, 25:3502

Design study of a superconducting radiofrequency beam separator, 21:15435 (BNL-11048)
Effects of electrons on superconducting cavities in GHz region, 25:50305
Extension of theory of uniform—periodic iris-loaded deflectors to π/2-mode biperiodic structures, 23:42782 (BNL-13718)
Formation of a solid solution of lithium fluoride and lithium hydride, 24:43885 (LA-tr-70-16)
Investigation of superconducting Nb cavities at S-band, 23:28188
Investigations of iris-loaded deflectors, 21:4167
Measurement of Q of superconducting TE_{011} cavities by frequency sweep technique, 21:42480 (BNL-11702)
Microwave deflection system for superconducting particle separator, 23:34702
Microwave systems for superconducting rf separators, 21:17196 (BNL-11081)
Optimization of alternating-periodic iris-loaded deflectors for superconducting rf beam separators, 22:37212 (BNL-12536)
Proposed microwave systems for superconducting radiofrequency beam separators, 21:38040
Q measurements on superconducting cavities at S-band, 22:53039 (BNL-12828)
Radiofrequency separated beam at the AGS, 21:31672
Remarks at the panel discussion on superconducting linac development, 25:50298
Room-temperature long-pulse rf beam separators, 24:45620 (BNL-14974)
Superconducting Nb cavity at s-band, 23:42783 (BNL-13835)
Surface resistance of superconducting lead at 2.868 GHz, 22:29452
Theoretical properties of microwave cavities at low temperatures, 21:13471 (BNL-10979)
HAHN, H. K. J. Isotope and concentration effects of Br in benzene at 77°K, 24:33742
Radiative neutron capture organic yields, 23:40747
HAHN, Henry Development of ceramic fiber reinforced metals, 25:42978
HAHN, Henry K. J. Radiochemical separation and determination of Cd, 24:18930
HAHN, Hong-sup Quantum transport cross sections for ionized gases, 25:14297
HAHN, J. Neutron spectroscopy, data acquisition, and analysis, 24:8765 (CONF-690301-, pp 299-304)
Treatment of climacteric bleeding disorders with monel-filtered radium, 21:6577
HAHN, Jack 16,000 channel, 50 MHz time-of-flight analyzer for high data rates, 24:39335
Design and performance of buffered data storage systems for non-stationary randomly arriving data, 21:39289 (NYO-72-149)
Design of buffer memories for multi-channel neutron time-of-flight analysis, 22:28144
HAHN, Klaus Behavior of free amino acids in the blood plasma, 24:34114
HAHN, Kwang J. Determination of manganese in tissues by neutron activation analysis, 21:23830
Radiochemical separation of Cu, Mg, Zn, and Mn in biological materials, 22:25261
Rapid and simple continuous radiochemical separation of Cu, Mg, Zn, Mn in biological materials, 22:30437
Solvent extraction and determination of magnesium in biological materials, 21:34224
Solvent extraction and determination of magnesium in biological materials, 21:35857
HAHN, Leszek Turnover of ^{3}H-noradrenaline in mice hearts after irradiation with x-rays, 25:21889
HAHN, Linus K. Helicopter close-order formation keeping system, 21:1521 (COO-1471-7)
Mass flow rate measuring utilizing the scattering cross-section of a material for fast neutrons, 25:57667
HAHN, O. J. First critical and physics measurements for the organic-cooled D_2O-moderated reactor WR-1, 21:8068
HAHN, Paul B. Ion exchange beads as calibrated microscopic radioactivity sources, 25:2406
Public health aspects of ^{129}I from the nuclear power industry, 25:44811
Public health aspects of ^{129}I from the nuclear power industry, 25:55199
HAHN, Paul Balser Activation analysis for trace quantities of iodine in biological materials, 21:42873 (IS-T-190)
HAHN, R. L. Alpha decay of ^{227}U, 24:6943
Alpha decay of holmium nuclei: new isotope, ^{154}Ho, 22:3718
Angular distribution of ^{64}Cu nuclei from reaction $^{65}Cu(^{3}He,\alpha)$, 22:37334
α decay from high-spin isomers in ^{153}Ho and ^{154}Ho, 25:28418
Fast-closing valve to protect an accelerator from radioactive contamination, 25:1690
Inclusion of fission and charged-particle mission in calculations of nuclear reactions, 25:31313 (ORNL-TM-3179)
Interactions of ^{3}He particles with B, N, Na, and Be, 21:40391
Method to calculate sensitivities in ^{3}He activation analysis, 21:35881
New erbium isotope, ^{153}Er, 23:52157
New isotopes ^{241}Cf and ^{240}Cf, 25:12593
New isotopes: ^{151}Er, ^{154}Yb, and ^{157}Yb, 25:1741
New neptunium isotopes, ^{230}Np and ^{229}Np, 22:32661
Nuclear chemistry with the Oak Ridge isochronous cyclotron, 25:17929
Present status of ^{3}He-activation analysis program at ORNL, 22:27584
Production cross sections of I, Te, Ba, and Cs isotopes from interaction of 1, 2, and 2.9-GeV protons with uranium, 23:1922
Rapid calculation of sensitivities, interferences, and optimum bombarding energies in ^{3}He activation analysis, 22:8022
Search for ^{172}Hf α decay, 24:30812
Search for new α-emitters with N = 86 and N = 87, 25:28303 (CERN-70-30(Vol.1), pp 533-44)
Sensitivities for activation analysis of 15 light elements with 18-MeV ^{3}He particles, 21:25787
HAHN, Richard B. Amalgam exchange separation of radiothallium, 21:10423
Determination of phosphate in natural waters by activation analysis, 23:40605
Determination of phosphate in water with ^{185}W, 23:13648
Separation and determination of radioactive cesium in milk, 21:2989
Separation of ^{95}Zr from ^{95}Nb, and the separation of ^{95}Zr and ^{95}Nb from several other nuclides, 22:18905
HAHN, Richard L. Angular distributions of recoil nuclei from reactions $^{12}C(^{3}He,\alpha)^{11}C$ and $^{12}C(^{3}He,d)^{13}N$, 21:42562
Recoil technique and its possible use in activation analysis, 22:8002
HAHN, W. C. Behavior of hard particles in metal during plastic deformation, 25:41655 (NYO-4078-4)
HAHN, Y. Orthogonality properties of the coupled equations for rearrangement collisions, 24:15986
HAHN, Yu Bong Electron-impact excitation of autoionizing levels in cesium, 25:38150
HAHN, Yu Hak Infrared emission of CO_2—N_2 and CO_2—N_2—He plasmas, 22:1229
HAHN, Yukap Asymptotic channel states and matrix equations in the unified reaction theory, 22:30053
Closed-channel spectrum of the positron—hydrogen rearrangement collision, 25:19503
Coupled equations and effective potentials for direct processes, 23:40154
Distorted cluster states in scattering theory, 21:19332
Effective orthogonality of channel wave functions and coupled equations for direct interactions, 25:31443
Extension of the shell model to nuclear reactions, 24:38371
Generalized eikonal approximation, impact phase averaging, and multiple hard collisions, 25:59610
Generalized variational bounds for multichannel scatterings, 24:24623
Generalized variational bounds on positron—hydrogen reaction matrix. I, 25:9216
Generalized variational bounds on positron—H reaction matrix. II, 25:11719
Impact-parameter amplitudes for large-angle scatterings and particle correlations, 24:1677
Impact-parameter amplitudes for large-angle potential scattering. II, 25:3761
Low-energy method in high-energy scatterings, 22:53240
Many-body theory of nuclear reactions, 22:53241
Orthogonal channel projections in high-energy ion—atom collisions with electron exchanges, 22:21871
Quasi-minimum principle for multichannel scattering, 25:55878
Remarks on variational bounds in scattering theory, 21:13918
Single-particle formulation of electron—atom scatterings, 25:4966
Theory of high-energy ion—atom collisions with electron exchanges, 22:50040
Theory of rearrangement collisions and resonances, 21:33163
Variational estimates of impact-parameter amplitudes, 24:15694
Variational lower bounds on electron—hydrogen s-wave phase shifts, 21:11441
HAHNE, F. J. W. Inelastic scattering of spin-1/2 particles in Austern—Blair theory, 22:7750
Modification of Austern—Blair theory and study of $(\alpha,\alpha'\gamma)$ correlation functions, 22:3777
Nuclear scattering in two-particle RPA, 24:38355
Properties of the RPA theory of nuclear scattering, 23:49474
Properties of the RPA theory of nuclear scattering. II, 25:17986
Role of the continuum in RPA calculations, 24:43455
RPA calculations in the continuum. II, 23:52165
HAHNE, Rolf M. A. Szilard—Chalmers reactions of zirconocene dichloride and of hafnocene dichloride, 24:16576
HAHN-WEINHEIMER, P. Determination of Hf by neutron activation, and variation in Zr/Hf ratio of some granite masses, 23:2202
HAHS, C. A. Design and operation of transfer case and related equipment in Transuranium Processing Plant, 21:24186 (ORNL-TM-1815)
Developments in contaminated filter removal equipment, 21:31915 (CONF-660904-Vol.1 and 2, pp 149-57)
Remote maintenance systems in the TRU, 21:6109
HAI, F. Evidence for neutron production via enhanced resistivity in a plasma focus, 24:42718
Neutron production in plasma focus discharge, 25:27799
Nonthermonuclear neutron production in plasma focus discharge, 24:24082
Parametric coupling between drift waves, 22:36907 (N-68-16007)
Time correlations of x-ray spectra with neutron emission from a plasma-focus discharge, 25:52855
HAI, Francis Drift waves in nonlinear regime, 24:10593
Influence of an axial magnetic field on neutron production in a plasma focus discharge, 25:5113 (AD-710606)
Linear growth rates and nonlinear saturation coefficients of instabilities, 23:36718
Nonlinear aspects of drift instabilities, 24:26286
Parametric excitation from thermal fluctuation at plasma-drift wave frequencies, 22:44174
Parametric mode—mode coupling between drift waves in plasmas, 24:3415 (N-69-33202)
Parametric mode—mode coupling between drift waves in plasmas, 24:18002
HAI, Nghiem Xuan Harmonic analysis on the Poincare group. I, 23:32816
HAIDEMENAKIS, E. D. Conference on electronic structures in solids, Chania, Greece, 6—7/68, 24:3461
Conference on physics of solids in intense magnetic fields, Chania, Greece, 7/67, 24:3460
HAIDER, J. Chemical radiation dose indicator, 24:23032
Thermoluminescent characteristics of reactor concrete, 25:47193
HAIDER, Johann G. Portable precision dosimeter with several measuring ranges for high-energy x-ray and electron radiation, 25:32263
HAIDT, D. Dalitz plot density analysis in K/sub μ3/$^{+}$ decay, 23:46602
Determination of K/sub μ3/$^{+}$K/sub e3/$^{+}$ branching ratio and the separate K/sub l3/$^{+}$ decay rates, 22:50287
Form factors in K/sub μ3/$^{+}$ decay, 23:44589
Form-factor analysis from total polarization measurement in $K^{+}\mu_3$ decay, 22:46321
Measurement of K/sub μ3/$^{+}$ decay parameters, 25:14534
Scalar form factor in K/sub l3/ decay, 24:26411
HAIDUC, C. Analysis of efficiency of nuclear fuel cycles for heavy-water moderated reactors in specific conditions of socialist republic of Romania, 25:20750
Critical heat flow in boiling nuclear reactors, 25:23281
Critical heat flux under conditions prevailing in a boiling-water reactor, 25:28660
Mathematical model for analyzing efficiency of nuclear fuel cycles, 24:18769
Mathematical model for estimating the efficiency of nuclear fuel cycles of fast breeding reactors, 25:20752
Method and results of the thermodynamic analysis of the duty cycle of electronuclear power plants equipped with gas-cooled reactors, 24:31063
Method for determining the optimum type of atomic power station, 21:44884
Method for determining the optimum type of a nuclear electric plant, 23:24355
Physical model on the boiling process in the power nuclear reactor, 25:20728
Technical-economic indicators of combined nuclear power stations, equipped with pressure-water reactors, 22:42282
Thermodynamic analysis of nuclear power station cycles with gas-cooled reactors, 23:43113
Thermodynamic analysis of saturated steam cycles and of direct thermal cycles for nuclear power stations, 25:20596
HAIDUC, Constantin Optimization of parameters for nuclear power plants, 25:10130
HAIESSINSKY, M. Gamma-radiolysis of aqueous hydrazine solutions, 24:9367
HAIESSINSKY, Moiese Radiolysis of compounds of noble metals in aqueous solution. V, 22:27830
HAIG, D. A. Further studies on the inactivation of the scrapie agent by ultraviolet light, 24:6148
Inactivation of the scrapie agent by near monochromatic ultraviolet light, 25:8805
HAIGH, J. Electric polarizations of some metal acetylacetonates at 29.7 cm^{-1}, 24:20775
HAIGH, J. G. B. Level positions of some Cu, Zn, Ga, and Ge isotopes, 21:38273
Levels of ^{48}Ti, ^{52}Cr, and ^{54}Fe using (p,α) reactions, 21:23461
Shell model applied to some calcium isotopes, 22:39620
HAIGH, J. M. Acetylacetone and β-ketoimine solvates of dioxobis-(acetylacetonato) U(VI), 24:20777
Ligand substitution effects in uranyl β-ketoenolates, 25:46492
Reaction of ammonia and aliphatic amines with uranyl β-ketoenolates, 25:46472
HAIGH, Mary V. Biological effectiveness of high-energy protons, 23:35853
Chloroplast aberrations in irradiated fern spores, 23:6425
Radiation responses of fern spores during their first cell-cycle, 25:8614
Test systems for use in radiobiology, 23:14284
HAIGH, Roy Ernest Nuclear fuel elements, 22:18620
HAIGHT, R. Technique for observing small angle inelastic proton scattering, 22:16884
HAIGHT, R. C. Coulomb excitation of the first 2^{+} state of ^{24}Mg, 25:28283
Method for improving heavy ion spectra in scattering experiments, 25:18750
Polarization transfer in reaction $T(p,n)^{3}He$ at 0° for E/sub p/ in range 3 to 16 MeV, 25:59695
HAIGHT, Robert C. P,d and p,t reactions in 2s-1d shell, 23:32901 (PUC-937-350)
HAIGHT, Robert Cameron Reactions p,d and p,t in the 2s—1d shell, 24:20368
HAIGLER, W. B. LMFBR availability considerations, 25:41457 (CONF-710315-3)
HAIJ, Marian E. Cancer mortality among a group of underground metal miners, 21:14735
HAIJTINK, B. ORIN II: optimization code of an ORGEL reactor associated with power plant, 23:37446 (EUR-4067)
HAIK, George M. Management of pterygia, 21:22553
Management of pterygia, 21:28579
HAIK, N. Reactions produced in bombardment of ^{28}Si by ^{16}O, 24:49757
HAIKE, H. Injuries following treatment with Th X, 23:24754
HAIKE, Horst Thorium x radiation measurements after determination of the contamination factor, 22:40709
HAIKNEY, Alan Access duct for a nuclear reactor, 22:37606
HAILY, R. W. Spinning of refractory metals, 21:9125
HAIM, A. Ben Assay of skeletally deposited ^{90}Sr in humans by measurement of bremsstrahlung, 22:51623
Chromosome aberrations in blood cells from internal deposits of Thorotrast, 21:20152
Comparison of techniques for whole-body counting of γ-ray emitting nuclides with NaI(Tl) detectors. II, 22:25646
Comparison of Techniques for whole-body counting of γ-ray emitting nuclides with NaI(Tl) detectors. I, 22:25645

HAIMSON, J. High duty factor electron linear accelerators, 25:50233
Highly phase-stable rf power circuits for MIT-LNS linac, 25:50422
Low emittance high duty factor injector linac, 25:50421
MIT high duty, high intensity 400 MeV linear electron accelerator, 21:38018
Non-cryogenic high duty cycle electron linear accelerators, 23:19076 (BNL-50120(Pt.2), pp 775-802)
Positron acceleration in the Frascati 450-MeV linear accelerator, 21:11862 (LA-3609, pp 435-8)
Relativistically corrected three dimensional space charge analysis of electron bunching, 21:38069
HAIMSON, Jacob High energy charged particle pulse length and energy control apparatus, 23:1747
Optimization criteria for standing wave transverse magnetic deflection cavities, 21:11847 (LA-3609, pp 303-31)
HAIN, K. Superheated steam loop for contamination study of the FR-2, 25:48311 (KFK-1308)
HAIN, Klaus Numerical calculations in magnetohydrodynamics, 22:1192 (LA-3770, Paper F1)
Numerical solution for 1.5-dimensional, time-dependent magnetohydrodynamic problems, 21:44067 (NASA-SP-153, pp 237-64)
HAINBERGER, L. Spectrophotometric determination of niobium with salicylic acid, 25:51368
HAINES, Alan Tritium content of atmospheric methane and ethane, 22:16715
HAINES, Alan Everett Isotopic studies of atmospheric methane, ethane, and krypton, 24:9489 (TID-25284)
HAINES, C. E. Computer programs for operation of high temperature lattice test reactor, 22:22801 (BNWL-651(Vol. 1 and 2))
HAINES, E. L. Degradation of the time characteristics of surface barrier detectors with fission fragment dose, 23:17859
Particle track studies of lunar material, 24:21541
Spectrum and yield of electrons emitted when heavy ions pass through metal films, 23:16643
Testing models on compressed spectral data, 23:18767
Use of transformations in multiparameter data sorting, 21:32525
HAINES, Eldon L. Use of local linear transforms to reduce the size of a two-dimensional associative memory, 22:28243
HAINES, H. R. Ternary compounds of U—C and group VIIIA elements, 23:22641
HAINES, K. Determination of silicon in intact steel samples with a low output neutron generator, 24:4245
Use of neutron-energy moderation for resolving interferences in fast-neutron activation analysis, 23:2204
HAINES, L. I. B. Reactions of 8-quinolinol with covalent halides. IV, 24:22632
HAINES, Larry K. One-dimensional hydrogen atom, 24:8334
HAINES, M. G. Analysis of the nature and growth of electrothermal waves, 24:35487
Arbitrary two-dimensional profile of velocity in segmented MHD duct, 23:10488
Diffusion mechanisms in toroidal plasma, 25:7361
Effect of local nonequilibrium ionization in a segmented electrode mhd generator, 23:10482
Finite-Larmor-radius equations for theta pinch, 25:9497
Fluid equations for a collisionless plasma including finite ion Larmor radius and finite β effects, 23:12877
Large nonequilibrium conductivity in a closed-cycle MPD channel, 22:45990
Leakage currents in a segmented electrode generator, 21:37233
MHD plant, combustion techniques, and seeding. VIII, 22:5191
Nonadiabatic ions in the distribution function from self-consistent calculations of the plasma focus, 25:38427 (CONF-710607-43)
Numerical and laboratory experiments in the Polytron configuration, 25:38413 (CONF-710607-44)
Polytron: a toroidal discharge with pulsed magnetic cusps, 23:32397
HAINSKI, Z. Determination of some metallic impurities in organic heat carriers, 21:21712
Isotopic analysis of uranium. Spectrographic determination of ^{235}U—^{238}U ratios, 22:1982
Some applications of atomic absorption in the analysis of nuclear materials, 21:2988
Spectrographic determination of hydrogen in alloys of zirconium, 21:19
HAINZ, H. Ultraviolet irradiation of Serratia marcescens, 22:589
HAINZELIN, Jean Handling machine for nuclear reactors, 21:23772
HAINZELIN, M. J. Fuel handling. Evolution of the technique, 21:15679
HAIR, J. L. Construction techniques and costs for emplacement of nuclear explosives in disturbed media, 23:33287 (NCG-TR-10)
Construction techniques and costs for underground emplacement of nuclear explosives, 23:35357 (PNE-5004-F)
HAIR, M. Nuclear interaction tracks in minerals and their implications for extraterrestrial materials, 25:45165
Nuclear interaction tracks in minerals and their implications for extraterrestrial materials, 25:55669 (N-71-26344)
Solid state studies of the radiation history of lunar samples, 24:21539
HAIR, M. W. Calibrated U—Th glasses for neutron dosimetry, 25:32280
Calibrated U—Th glasses for neutron dosimetry and determination of uranium and thorium concentrations by the fission track method, 25:44647
Th microanalysis using fission tracks, 25:31836
Th microanalysis using fission tracks, 25:44340
HAIRE, H. M. Effectiveness of small external epicondylar lead cuffs against lethal x-radiation in dogs, 21:1731 (AD-640614)
HAIRE, Henry M. DNA synthesis in mixed cultures of dog leukocytes, 21:34566
Partial shielding of dogs, 21:45800
HAIRE, J. C. Loft core length study, 24:46087 (IN-1391)
Pressurized water reactor-full length emergency cooling heat transfer tests project, 24:29036 (IN-1386)
Semiscale blowdown and emergency core cooling (ECC) project, 24:43770 (IN-1384)
Status of United States Atomic Energy Commission water—reactor safety research and development programs, 25:39270 (A/CONF.49/P-39)
Technical assistance in reactor safety analysis, 24:33363 (IN-1383)
HAIRE, Marvin Jonathan Sorption behavior of cesium—rubidium mixtures in graphites at high temperatures, 25:55623
HAIRE, R. G. Carbothermic conversion of sol-gel U and Pu oxides to carbonitrides, 24:30022 (CONF-700502-, pp 434-47)
Comparative studies on lanthanides and actinides, 24:29176 (CONF-700502-, pp 464-75)
Crystalline americium trihydroxide, 22:45089
Mound assistance program: development of a sol-gel process and equipment for production of dense $^{238}PuO_2$ microspheres, 25:29921 (ORNL-4565)
Preparing plutonia aquasols, 23:41720
Sol-gel process for preparing dense forms of PuO_2, 22:43643
Sol-gel processes for PuO_2 and UO_2—PuO_2, 24:30004 (CONF-700502-, pp 100-12)
Trends and differences in the crystallization behavior of lanthanide hydroxide preparations, 23:6095 (ORNL-TM-2387)
HAIRION, J. P. Ejection as a mode of fission-product emission by UO_2, 24:14975
Fission gas in UO_2, 22:23907
HAIRION, J.-P. Electron microscope observation of irradiation defects in uranium dioxide, 22:28961
HAIRION, Jean-Pierre Observations on liberation of bromine and iodine from UO_2 during irradiation, 22:41126 (CEA-R-3446)
Techniques of continuous measurement of radioactive fission gases evolved in fuel elements, 25:57344 (CEA-R-4218)
HAIRR, Leland M. Auger electron dosimetry, 23:22289 (NYO-3086-8, pp IX.1-19)
HAIS, I. M. Conference on identification of substances by paper and thin-layer chromatography, Frascati, Italy, 9/69, 24:36376
Decrease in pethidine demethylating activity of isolated rat liver microsomes following whole-body x-irradiation, 25:27034
Microsomal structural protein after x-irradiation, 25:39919
HAIS, Ivo M. Bibliography of paper and thin-layer chromatography 1961—65, 23:7462
Electron microscopy of liver mitochondria isolated from x-irradiated rats, 24:31852
Gastric retention and its changes following x-irradiation, 23:50871
HAISCH, A. Decreased vitality of irradiated Mediterranean fruit fly, 25:24511
Genetic control of Rhagoletis cerasi, 25:29741
Sterile-insect release method against Rhagoletis cerasi, 25:29742
Use of radionuclides and their radiation in the plant pest control, 21:4893
HAISLER, W. E. Nonlinear dynamic analysis of shells of revolution by matrix displacement method. report 69-77, 24:20673 (SC-CR-70-6070)
HAISLER, Walter E. Nonlinear analysis of shells of revolution by the matrix displacement method, 22:16366 (SC-DC-67-2054)
HAISOVA, L. Rare localization of a thyroid cancer metastasis, 24:23286
HAISSIG, Bruce E. Computer system for use in quantifying liquid scintillation data, 24:48042
HAISSINSKI, J. Background due to electron beam in experimental devices of Orsay storage ring, 22:11817
Device for measuring the luminoisity of Orsay storage ring, 25:36606 (LAL-1249)
Electron—positron annihilation into $\pi^+\pi^-$, 22:7419 (LAL-1181)
Focusing devices for a positron beam at the linear accelerator of Orsay, 21:25371
Injection in Orsay collision rings, 21:29662 (LAL-1170)
Monitoring device for γ rays for the Orsay storage ring, 22:11819
Physics with electron—positron colliding beams, 24:18059 (CERN-69-29, pp 61-95)
Production of vector mesons in e^+—e^- colliding beams, 24:30427 (CONF-690521-, pp 373-412)
Study of electron-positron annihilation into $\pi^+\pi^-$ at 775 MeV with the Orsay storage ring, 22:9499
HAISSINSKY, M. Anomalies of actinium, 21:38330
Chemical and biological action of radiations, 21:15960
Chemical and biological action of radiations, 22:21132
Chemical and biological action of radiations, 24:34574
Chemical and biological actions of radiations, 24:27136
Chemical and biological actions of radiations, 25:177
Chemical anomalies of actinium, 23:11504
Elements 4f and 5f, 21:3037
Gamma radiolysis of acid solutions of tellurium, 21:5958
Gamma radiolysis of aqueous solutions of Te. II, 22:2165
Polonium extraction by solvents and normal potentials of reduced polonium, 21:4603
Primary radiolytic yields in neutral or alkaline aqueous solutions, 22:21134
Probable chemical properties of element 114, 23:45244 (ORNL-tr-2212)
Probable chemical properties of the element 114, 23:37945
Radiolytic reactions in aqueous solution in the presence of solids, 24:41337
Spectrophotometric determination of two oxidation states of multivalent elements, 23:19627
Study on the adsorption of radioisotopes in solution. II, 25:39517 (MLM-1820(TR))
Yesterday and tomorrow in radiation chemistry, 23:35142
HAISSINSKY, Moise Anodic deposition of Cm, 21:39564 (ORNL-tr-1743)
Anodic deposition of curium, 21:35960
Anodic oxidation of curium, 23:17417
Gamma radiolysis of K ferro- and ferri-cyanide solutions. II and III, 21:3102
Radiolysis of aqueous tellurium solutions by γ rays. III, 23:230
Radiolysis of compounds of noble metals in aqueous solutions. IV, 21:45170
HAJDNUKOVIC, S. Recovery effect of heterologous deoxyribonucleic acid from various organs on irradiated mice, 21:396
HAJDU, I. Grid irradiation of gynecological tumors, 21:30836
X-ray treatment of inflammatory eye disorders, 23:43899
HAJDUKOVIC, D. Contamination of environment of Serbian territory, 24:41790
HAJDUKOVIC, G. NMR study of ferroelectric transitions in diglycine nitrate and trissarcosine $CaCl_2$, 24:41251
HAJDUKOVIC, M. Comparison of three methods of measuring soil moisture, 22:23349
HAJDUKOVIC, S. Action of chemical radioprotectors on the hypothalmic neurosecretion of rats exposed to ionizing radiation, 21:32764
Effect of fractionated irradiation on reproductive capacity of bone marrow cells in fasted rats, 22:51984
Effect of fractionated irradiation on hematopoiesis of fasted rats, 25:52220
Effect of irradiation on cells, 23:38792
Effect of irradiation on cells. I, 25:46953
Effect of irradiation on cells. II, 25:49301
Effects of postradiation induced erythropoietin on bone marrow of rats exposed to different doses of x-rays, 21:28627
Erythroid cells response of spleen and bone marrow of mice exposed to irradiation, 24:14603
Erythropoietin repairing effect on bone marrow of rats exposed to 100 to 600R of x rays, 21:32744
Influence on stem cells of streptokinase—streptodornase aminocaproic acid pentosanpolysulfoester, and extractum sanguina irradiated with x rays, 22:16990
Neurosecreting reaction of the hypothalamus after various types of exposure to x radiation, 21:24556
Neurosecretion after irradiation injection of chemical radioprotectors in rat, 22:40565
Nuclear hematological and radiation biological relations, 21:41494
Radiation protection studies with essential phospholipids of EPL substance, 23:29589
Radiation-immunological problems and experimental application of tissue transplantation including bone marrow. (Hematological aspects), 21:39453
Research with Irradian, a drug protecting from irradiations, 23:2880
Solcoseryl-treated rats after 750 and 850 R x irradiation, 23:50626
HAJDUKOVIC, Srdan Effect of fractionated irradiation on peripheral blood, 24:27696
HAJDUKOVIC, Srdjan Bone marrow cells regeneration under the effect of postradiation bleeding in irradiated rats, 22:40837
Effect of fractionated irradiation on changes in the bone marrow of rats, 21:20379
Effect of irradiation on erythropoiesis of rats, 24:866
Erythroid regeneration in locally irradiated bone marrow of plethoric rats, 22:38470
Hematologic response of mice to split-dose irradiation and testosteron treatment, 25:44931
Influence of microrays on the fibrinolytic activities of streptokinase and streptodornase, 22:51391
Radiation effect upon survival of rats, 23:14254
HAJEK, B. Investigation of hydrolyzable carbides. III, 25:2782
Investigations on hydrolyzible carbides. I, 24:39692
Investigations on hydrolyzible carbides. IV, 25:49517
HAJEK, B. F. Adsorption, migration, and dispersion of strontium and cesium in an N-area soil, 22:8206 (BNWL-CC-208)
Dispersion characteristics of strontium in soil columns, 22:25501 (BNWL-481-3, pp 39-42)
Experimental design for the preliminary study of certain geochemical processes, 22:25445 (BNWL-481-3, pp 42-8)
Plutonium and americium mobility in soils, 21:25971 (BNWL-CC-925)
Statistical analysis of cesium and strontium sorption on soils, 21:34331 (BNWL-CC-539)
Strontium and Cs equilibrium distribution cofficients, 22:25446 (BNWL-481-3, pp 48-53)
Trace strontium adsorption in a partially saturated transient system, 23:11645 (BNWL-715(Pt.4), pp 50-6)
HAJEK, L. Chemical precipitation methods, 24:33763 (UJV-2340-Ch)
HAJEK, Vlastimil Radiation accidents in peace. II, 22:6816
Radiation accidents in peacetime, 22:28681
HAJICEK, D. J. Cone formation on metal targets during sputtering, 25:40342
HAJICEK, P. Causality in non-Hausdorff space—times, 25:47699
HAJICEK, Peter Embedding of singularities, 25:40327
HAJICEK, Petr Extensions of Taub and NUT spaces and extensions of their tangent bundles, 24:37918
Singular domains of space, 23:48692
HAJID HAFIZ ABDUL Effect of nitrate ions on the γ-radiolysis of ethanol, 23:49837
HAJI-VASSILIOU, Andreas Uranium with naturally occurring organic materials in Colorado Plateau, 24:16712

HAJJ, Jack P. Wave equations, multipole solutions, and characteristic hypersurfaces for massless particles, 23:39656
HAJJ, Jack Philip Particles of arbitrary mass and spin, 25:43572
HAJJ-BOUTROS, Joseph Study of reactions (n,α) on ^{32}S and ^{40}Ca, 21:46685 (LYCEN-6746)
HAJKOVA, J. Chemical precipitation methods, 24:33763 (UJV-2340-Ch)
HAJKOWICZ, L. A. Absorption increases at auroral zone conjugate areas, 24:45157
  Auroral zone cosmic-noise absorption, 24:35291
  Indirect evidence of daytime aurora at conjugate points, 22:47991
  Role of post-breakup pulsating aurora in conjugate point absorption increases, 24:5066
HAJNAL, F. Neutron dose equivalents from multisphere accelerator-shield leakage spectra, 24:21024 (HASL-223)
  Study of the neutron cascade in iron, 23:22078
HAJNAL, Ferenc 1970 sea-level cosmic-ray neutron measuremens, 25:24928 (HASL-241)
  Relativistic n—p scattering calculations for recoil proton spectrometers, 22:4470 (HASL-186)
  Technique for determining moderated-neutron instrument characteristics, 24:19199 (HASL-222)
HAJNAL-PAPP, M. Effect of ionizing radiation on the center of automatism of frog heart, 22:15059
HAKALA, H. Spectrum of evaporation neutrons produced by cosmic rays in lead, 23:9739
HAKALA, Rauni Solvent deuterium isotope effects on acid-base reactions. III, 24:9285
HAKALA, W. W. Subsidence caused by an underground nuclear explosion, 24:41545 (CONF-700101-(Vol.2), pp 1428-55)
HAKAMADA, Saburo A-bomb disaster investigation within tunnel-type air raid shelter, 21:39158 (AEC-tr-6858, pp 14-17)
HAKANSON, Rolf A sensitive radiometric assay for tryptophan-5-hydroxylase, 22:457
HAKANSSON, C. H. EEG effects of postoperative irradiation treatment of brain tumors, 23:48252
  Effect of irradiation of brain tumours on ventricular fluid pressure, 21:28612
HAKANSSON, H. Integrator and meter with low imput impedance for accelerator beam current, 23:27916
HAKANSSON, R. Doppler coefficient and reactivity effect of polythene in some fast reactor spectra, 22:35651
  Material buckling in U-loaded assemblies of fast reactor FRO, 25:44149 (AE-425)
  Measurement of effective capture-to-fission ratio in ^{239}Pu and ^{235}U in two different fast reactor spectra, 22:35650
HAKARIYA, Satom Measurements of integral dose in the ^{60}Co teletherapy using leuco triarylmethane dosimeter solution, 23:20312
HAKARIYA, Satomi Studies on chemical dosimeter. I, 22:25682
HAKE, G. AECL's requirements for station power supplies, 25:41266 (EUR-4517, pp 57-84)
  Comparison of Canadian and US siting policies, 22:50697 (AECL-3156)
  Comparison of Canadian and US siting policies, 23:43076
  Earthquake engineering, 21:4640 (AECL-2597)
  Power-reactor siting in various countries, 25:31482 (AECL-3740)
HAKE, Guest Canada judges power reactor safety on component quality and reliable system performance, 25:54142 (A/CONF.49/P-150)
  Comparison of US and Canadian siting practices, 22:32904
  How reactor design is related to site approval and containment, 21:31895 (AECL-2863)
HAKE, R. D. Jr. Coincident F-region temperature determinations, 24:47120
  Radio frequency heating of electrons in the F region, 25:7268
HAKE, R. R. Apparent high-magnetic-field fluctuation superconductivity in 2 to 3 T/sub c/ range, 24:37404
  Calorimetric evidence for Pauli-paramagnetic superconductivity, 21:13513
  Fluctuation superconductivity in bulk type-II superconductors, 24:3280
  Mixed-state Hall effect in extreme type-II superconductor, 22:24201
  Paramagnetic superconductivity in extreme type-II superconductors, 21:33309
  Thermodynamics of type-I and type-II superconductors, 24:8416
  Thermodynamics of volume and pressure effects for type-II superconductors, 22:17602
  Upper-critical-field limits for bulk type-II superconductors, 21:18569
HAKE, Richard R. Single-shot pulsed magnetic fields from inductive energy stores, 25:30598 (LA-4617)
HAKEL, W. Measurement of the K_1^0 charged-to-neutral decay branching ratio, 23:21048
  Study of $K_1^0 \to \pi^0\pi^0$ and $K_2^0 \to \pi^0\pi^0$ interference, 23:21046
HAKEN, H. Electromagnetic field propagation in a thermal medium, 24:30423
  Exact generalized Fokker—Planck equation, 23:12857
  Flux equilibria in quantum systems far away from thermal equilibrium, 24:37586
  Quantum fluctuations of optical parametric oscillator. I, 22:17842
  Quantum mechanical correlation functions for the electromagnetic field and quasi-probability distribution functions, 22:34816
  Treatment of the exciton by the many-electron theory, 21:11697 (ORNL-tr-1506)
HAKEN, J. New personnel interlock system and procedures for the RPI linac lab, 23:28072
  Radiation production at RPI LINAC, 24:1686 (RPI-328-172)
  Vacuum system for high-radiation environment at RPI Linac Laboratory, 23:5725 (RPI-328-141(Rev.))
  Vacuum system for high-radiation environment at the RPI linac lab, 23:34696
HAKEN, J. W. Radioactive contamination of food, 22:4616
HAKEN, N. Current pulse shapes of semiconductor detectors, measured with an averaging technique, 25:57737
HAKIM, Edward B. Effects of neutron radiation on silicon transistors, 23:17865
HAKIM, K. L. Frequencies of certain types of gamma ray-induced mutations in potato, 23:2811
HAKIM, M. Cross flow and mixing of water between semiopen channels, 23:525
  Fission fragment energy-loss predictions in media of any Z, 25:41248
HAKIM, R. Properties of V pentoxide, 23:27173
  Response of mouse skeleton to beta, 24:27672 (ANL-7615, pp 116-20)
HAKIM, Remi Collective motions of the relativistic gravitational gas, 22:20328 (LPTHE-TH-237)
  Relativistic kinetic equations including radiation effects. I, 22:29513
  Relativistic perfect gas in an external force field, 21:44107
  Relativistic scalar plasma, 22:13462
  Relativistic statistical mechanics, 21:29403
  Relativistic statistical mechanics. I, 21:44228
  Relativistic stochastic processes, 23:5195
  Remarks on relativistic statistical mechanics. II, 21:44298
  Self-consistent homogeneous isotropic cosmological models. I, 22:28980 (LPTHE-TH-68/7)
  Self-consistent homogeneous isotropic cosmological models. I, 22:50461
HAKKILA, E. A. Diffusion in stabilized delta plutonium. I, 22:19567
  Diffusion in stabilized delta plutonium. II, 23:12291
  Solvent extraction—x-ray spectrometric measurement of microgram quantities of tantalum, 22:22984
  X rays observed from Pu in the wavelength region from 8 to 75 A, 22:5122
  X-ray fluorescence spectrometric determination of Tm in Pu—Tm alloys, 21:1244 (LA-3549)
  X-ray fluorescence spectrometric determination of tantalum and tungsten, 23:12 (LA-4007)
  X-ray fluorescence spectrometric determination of rare earths in plutonium, 23:36
  X-ray spectrometric determination of rhodium and palladium in uranium-base "fissium" alloys, 24:31225 (LA-4438)
HAKKILA, E. Arnold Cation exchange separation, 23:19647
HAKKILA, J. 70 mm radiophotofluorography in heart disease, 24:48629
HAKL, Josef Radiolytic decomposition of moderator in heavy-water reactors, 23:26017
HAKNER, Richard Proposal for measuring relativistic gravity-induced matter contractions, 23:37008
HAKONSON, T. E. Accumulation of radiocesium in rainbow trout via a non-foodchain pathway, 25:55159
  Prog. rpt. on food chain pattern of ^{90}Sr, ^{137}Cs, and ^{131}I in wild deer population, annual, 1966, 21:26408 (COO-1156-22)
  Radionuclide deposition and elimination in a darkling beetle, 23:31629
  Uptake and elimination of ^{134}Cs by mule deer, 22:19234 (COO-1156-24)
HAKONSON, Thomas E. Tissue distribution and excretion of ^{134}Cs in mule deer, 22:14908 (COO-1156-25)
HAKURA, Y. Entry of solar protons and alpha-particles into polar cap atmosphere, 22:2875
  Polar-cap absorption on July 7—10, 1966, 23:22817
HAKURA, Yukio Entry of solar cosmic rays into the polar cap atmosphere, 21:18529
  Latitude dependence of non-Stoermer cutoffs for charged particles invading quiet geomagnetic field, 22:34486
  Observations for proton flare project 1969. III, 24:35113
  Observations for proton flare project, 1969. VI, 24:35115
  Observations for proton flare project, 1969. V, 24:35320
  PFP observations. I, 25:27363
  Polar cap absorption on July 7—10, 1966, 21:37281 (N-67-19867)
  Polar cap absorptions and associated solar terrestrial events throughout the 19th solar cycle, 23:1116 (N-68-25880)
  Proton flare project 1969. I, 25:22322
  Proton Flare Project 1969. VI, 24:48957
  Slow onset type PCA events and associated pre-SSC polar geomagnetic disturbances, 22:38898 (N-68-20498)
HALA, J. Solvent extraction of Hf and Zr by N-benzoyl-N-phenylhydroxylamine and 2-thenoyltrifluoroacetone, 21:10426
  Solvent extraction of Hf(IV) and Zr(IV) by n-benzoyl-n-phenylhydroxylamine and 2-thenoyltrifluoroacetone, 22:6395
  Solvent extraction of Hf(IV). IX, 23:17528
  Solvent extraction of Hf(IV). X, 24:36375
  Uranyl complexes with phenolic ligands. IX, 21:40864
HALA, Miloslav Desorption of ^{144}Ce traces from cotton fabric, 21:41416
  Desorption of traces of ^{144}Ce from cotton fabric in phosphate solutions of different age, 23:17547
HALABURDA, J. Problems of manufacture and welding of structural equipment of austenitic steels for nuclear reactors, 24:46707 (ZJE-81)
HALACHMY, M. Stoichiometry determination in irradiated U—Pu mixed oxide fuels, 25:52461
HALACHMY, Matitiahu Behavior of fission products in nuclear fuels, 25:44206 (CEA-R-4181)
HALACSY, A. A. Computerized calculation of three dimensional magnetic fields, 22:11774
HALAMA, H. J. Design problems in superconducting rf beam separators, 22:53041 (BNL-12846)
  Design study of a superconducting radiofrequency beam separator, 21:15435 (BNL-11048)
  Electronic ripple filter for the AGS main magnet power supply, 21:7584 (BNL-9581)
  Investigation of superconducting Nb cavities at S-band, 23:28188
  Investigations of iris-loaded deflectors, 21:4167
  Measurement of Q of superconducting TE_{011} cavities by frequency sweep technique, 21:42480 (BNL-11702)
  Microwave deflection system for superconducting particle separator, 23:34702
  Microwave systems for superconducting rf separators, 21:17196 (BNL-11081)
  Proposed microwave systems for superconducting radiofrequency beam separators, 21:38040
  Q measurements on superconducting cavities at S-band, 22:53039 (BNL-12828)
  Radiofrequency separated beam at the AGS, 21:31672
  Room-temperature long-pulse rf beam separators, 24:45620 (BNL-14974)
  Some remarks on superconducting niobium linacs, 25:50299
  Superconducting Nb cavity at s-band, 23:42783 (BNL-13835)
  Superconducting niobium S-band cavities, 25:50316
  Surface resistance of superconducting lead at 2.868 GHz, 22:29452
  Theoretical properties of microwave cavities at low temperatures, 21:13471 (BNL-10979)
HALAMA, J. Gamma teletherapy of carcinoma of nasopharynx and paranasal sinuses, 23:50787
  Lens protection in children, 24:27715
  Radiotherapy of urogenital system, 24:41939
HALAND, K. Isotope effect in ^{2}H-NMR—spectra of partly deuterated hydrates, 22:30537
HALASZ, A. Spectrophotometric determination of molybdenum with phenyl-fluorone, 25:41726
HALASZ, D. High-grade ionization in cold gas, 21:46196
HALASZ, I. Some theoretical problems of radioisotope scanning, 21:1660
HALAWA, B. Arterial hypertension following radon inhalations, 22:51959
  Effect of radon inhalation in arterial hypertension, 24:888
  Urinary excretion of catecholamines in patients with arterial hypertension after Rn inhalations from Swieradow springs, 23:45661
HALAWA, Bogumil Effect of radon water on radioactivity of human blood and urine, 24:29750
  Increased tissue blood due to radioactive baths, 25:44880
HALBACH, Carl R. Fluidic (pure fluid) temperature sensor, 22:21000 (SAN-639-7)
HALBACH, K. Application of conformal mapping to evaluation and design of magnets containing iron with nonlinear B(H) characteristics, 23:1731
  Calculation of stray field of magnets with POISSON, 23:7901
  Fields and first order perturbation effects in two-dimensional conductor dominated magnets, 24:14134
  First order perturbation effects in iron-dominated two-dimensional symmetrical multipoles, 23:44781
HALBACH, Klaus Effect of drift tube tolerances on electric field distribution along the length of Alvarez cavity, 25:7776 (UCRL-19932)
  First order perturbation effects in Fe dominated two dimensional symmetrical multipoles, 23:52056 (UCRL-18916)
  High gradient magnetic drift tube quadrupoles, 23:19031 (BNL-50120(Pt.1), pp 52-9)
  Magnetic field computation for two-dimensional air coil system, 22:49146 (UCRL-18378)
  Operation of Homopolar Gun II coil system, 21:5272 (UCRL-16997)
  Program for inversion of system analysis and its application to the design of magnets, 21:43092 (UCRL-17436)
  Systematic shaping of absolute value B on flux surfaces in axisymmetric toroidal systems, 24:51719
HALBERT, E. C. Complex spectroscopy, 25:56874
  Shell model calculations of nuclei from A = 6 to 45 using the Hamada—Johnston potential, 21:12083 (PUC-937-233)
  Shell-model calculation for nuclei of masses 30 through 33, 23:1831
  Shell-model calculations for A = 20 to 28 nuclei, 22:32521
  Shell-model calculations in the 2s—1d shell, 23:46930
  Shell-model calculations of B(E2) values in s-d shell nuclei with A = 18 to 22, 22:29927
  Shell-model structure of ^{35}Cl—^{35}Ar, 24:52513
  Shell-model structure of ^{42}Ca through ^{50}Ca, 25:5611
  T = 0 effective interaction in the sd shell, 22:37380
HALBERT, M. L. ^{40}Ca(^{20}Ne,^{16}O)^{44}Ti reaction, 25:56721
  Evidence for T = 1/2 resonance in the ^{3}He system, 25:36663
  Fluctuations in angular distributions of ^{12}C(^{16}O,α)^{24}Mg, 21:46678
  Fluctuations in excitation functions for ^{12}C(^{16}O,α)^{24}Mg, 21:46677
  Neutron shell structure in ^{91}Zr and ^{93}Zr by (d,p) and (α,^{3}He) reactions, 25:7869
  Proton—proton bremsstrahlung at 47 MeV, 23:15498
  Proton—proton bremsstrahlung at 61.7 MeV, 22:26796
  Proton—proton bremsstrahlung at 65 MeV, 23:30930
  Proton—proton Bremsstrahlung measurements at 64.4 MeV, 25:7530
  Radiative capture of deuterons by protons, 24:30431
  Reaction ^{116}Sn(α,^{3}He) at 65.7 MeV, 24:24569
  Reactions ^{58}Ni(^{3}He,^{3}He') and ^{58}Ni(^{3}He,α) at 51.3 MeV, 22:29964
  Review of experiments on nucleon—nucleon bremsstrahlung, 25:59241 (CONF-710915-2)
  Scattering of α particles from ^{89}Y, ^{92}Zr, ^{94}Zr, ^{96}Zr, and ^{116}Sn, 23:37166

Surgical probe for thyroid-cancer operations, 24:22989 (ORNL-TM-2885)
$T = {}^{1}/_{2}$ resonance in ^{3}He by inelastic α-particle scattering, 25:38872
Zirconium-92(^{3}He,^{3}He') and ^{92}Zr(^{3}He,α) with 51-MeV ^{3}He, 21:35474
HALBGEWACHS, R. D. Analysis of optimal selection of nose cones from billets and use of the computer program cone, 24:50305 (SC-RR-70-586)
Developments in techniques for computation of Bessel functions by digital computers, 24:16392 (SC-M-70-3)
HALBHUBER, K. J. Fixation of ionic ^{45}Ca in tissue for autoradiographic detection, 23:31634
HALBIG, J. K. Decay of /sup 85m/Kr, 25:5634
HALBLEIB, J. A. Magnetic Compton spectrometer for high intensity pulsed gamma ray environments, 25:57813
Neutron spectroscopy by foil activation in radiation effects studies, 21:36346 (SC-DC-67-1572)
Procedure for the determination of neutron spectra from activation data, 22:30834
Technique for unfolding neutron spectra from activation measurements, 22:21338 (SC-RR-67-746)
Theoretical neutron production from hydrogen isotope reactions, 22:39554 (SC-RR-68-19)
HALBLEIB, J. A. Sr. Neutron production from hydrogen isotope reactions, 23:42845
Neutron production from positive-ion-induced reactions, 22:32479 (BNL-50083, pp 179-91)
Theory and application of the generalized spectra code, 24:39319 (SC-RR-70-251)
HALBLEIB, John A. Sr. Gamow—Teller beta decay in heavy spherical nuclei and the unlike particle-hole RPA, 21:27639
Gamow—Teller beta decay in heavy spherical nuclei, 23:15509
HALBRITTER, J. Change of eigenstate in a superconducting rf cavity due to a nonlinear response, 25:5063
Comparison between measured and calculated rf losses in the superconducting state, 24:51578
Dependence of surface resistance on field level in pure superconductors, 25:25022 (NP-18742)
Deviations of surface impedance of ideal surfaces in weak fields, 23:3400 (LA-tr-68-56)
Effects of electrons on superconducting cavities in GHz region, 25:50305
FORTRAN-program for computation of surface impedance of superconductors, 24:42610 (NP-18355)
Interaction of rf fields with mechanical properties of metals, 24:37391 (NP-18295)
Investigation of surface resistance of niobium-cavity at S-band, 25:50306
Measurements of RF-absorption of superconducting resonators, 23:28189
Penetration of the magnetic field into a superconductor, 25:38299
Preparation and performance of superconducting cavities, 21:11870 (LA-3609, pp 499-501)
Q-measurements in superconducting lead cavities at 800 MHz, 23:19075 (BNL-50120(Pt.2), pp 770-3)
Remarks on field emission in superconducting rf cavities, 23:44742 (BNL-13890)
Surface residual resistance of high-Q-superconducting resonators, 25:14222
HALBWACHS, F. The conformal group as a candidate for the relativistic extension of elementary particle symmetries, 21:31617
Unitary irreducible representations of SU(2,2), 21:958
HALCHIN, W. Azimuthally localized fluctuations in a levitated toroidal quadrupole, 22:29484
Iron-core minimum "B" magnet, 21:3803 (ORNL-P-2640)
Magnetic properties of ORNL levitated toroidal quadrupole, 24:24027 (LA-4250, pp A2.1-4)
ORNL levitated toroidal multipole program, 23:32499
Toroidal multipoles, 23:34411 (ORNL-4401, pp 145-59)
HALDANE, E. V. Effects of mediastinal irradiation upon respiratory function following mastectomy, 24:909
HALDAR, B. C. Determination of manganese in steel by neutron-activation analysis, 25:57
Determination of Mo and Pd by neutron activation analysis, 24:160
Determination of Mo in steels by neutron activation analysis, 23:20
Determination of silicon, phosphorus, and sulfur in alloy steel by neutron activation analysis, 22:35765
Extraction of phosphomolybdic acid with quinoline in organic diluents, 23:384
Isotopic exchange reactions. II, 21:17626
Neutron activation analysis of rhenium in copper ores, 23:21
Substoichiometric determination of molybdenum in steels by neutron-activation analysis, 23:7493
Substoichiometric determination of nickel in steel by neutron activation analysis, 25:57381
Substoichiometric determination of Pd, 24:13785
Substoichiometric determination of selenium by neutron activation analysis, 25:57380
HALDAR, P. K. Significance of roentgenological findings in the evaluation of maturity of the newborn, 22:28551
Supervoltage radiation response in epidermoid carcinoma of the esophagus, 25:26896
HALDAVNEKAR, D. D. Generalized MHD Couette flow in slip-flow regime, 23:32227
Heat transfer in MHD Couette flow, 23:46355
MHD Couette flow in slip-flow regime, 24:47100
MHD flow of rarefied gas, 23:46356
MHD Rayleigh problem in slip—flow regime, 23:46354
HALDEMAN, C. W. Design and evaluation of radio frequency plasma source. I, 22:34640 (AD-665895)
HALDEMAN, Charles W. Electromagnetic energy addition to a gas by traveling magnetic field, 25:47513 (AD-717705)
Harmonic response due to compressibility in traveling wave plasma devices possessing cylindrical symmetry, 21:779
Some experimental results from a nonequilibrium rf discharge, 22:31858
Use of ionization level as an independent variable for plotting plasma transport properties, 21:16923
HALDEMANN, W. Size effect and critical transport current in Ti (22 at. percent Nb), 21:16888
Superconducting Helmholtz magnet (30-cm bore 70-kG), 21:46279 (SLAC-PUB-337)
HALDER, A. K. Theoretical properties of spheroidally symmetric static arcs, 21:23168
HALDER, N. C. Role of effective mass in interpreting Knight shift in Cd upon melting, 25:33440
HALE, A. Nitrogen isotope equilibration on molybdenum, 21:40966
HALE, B. Differential cross section for charged A_1 photoproduction, 24:28514
HALE, Barbara Modified dispersion relations and $\pi\pi$ scattering, 22:46402
Modified phase representation and effects of inelasticity in N/D calculation of p-wave pion—pion scattering, 23:3717
New superconvergent dispersion relations for forward πN crossing-even amplitude, 22:26656
HALE, Barbara Nelson Two methods for including inelasticity in the calculation of the p-wave pion—pion amplitude, 23:1638
HALE, C. J. Loss-of-flow accident studies on the 10-MW GTR, 21:38701
HALE, C. L. Transient tests of fully enriched UO_2-stainless steel plate-type C-core, 21:23719 (IDO-17223)
HALE, Clovis R. Energy deposition rate and Compton electron current in homogeneous air due to a point source of gamma rays, 23:36769
HALE, D. A. Fatigue crack growth in prototype piping and components, 25:22077
Low-cycle fatigue of prototype piping, 24:36892 (GEAP-10135)
HALE, D. P. Electrostatic electron energy analyser for 3 to 20 keV electrons, 25:32268
Energy distribution of fast electrons present in beams from hollow-anode gas discharge electron guns, 25:12319
HALE, E. B. Configuration mixing corrections to silicon 1s—A_1 shallow donor wave function, 24:41170 (UR-3388-21)
HALE, F. H. Electrical characteristics of Harwell 7000 series dataway, 24:21034 (AERE-M-2286)
HALE, G. Design and operation of a forced convection sodium loop, 24:9581 (RD/B/N-1530)
HALE, G. C. Characteristic energy loss of electrons transmitted through argon, 22:19789
HALE, G. J. Prog. rpt. on chemical vapor deposition process equipment, 11/70, 25:44223 (BDX-613-269)
HALE, G. M. Coupled channel Schroedinger equation model for four nucleons, 25:17971
Reactance matrix analysis of d—^{3}He, p—^{4}He system at 10 MeV deuteron energy, 25:53580
Reactance matrix analysis of the d—^{3}He, p—^{4}He system at 10-MeV deuteron laboratory energy, 25:5509 (LA-4465, pp 2.1-2)
HALE, J. M. Electrode reactions involving electronically excited states of molecules, 24:242
HALE, J. P. Reactor siting problems, 25:8090 (BNWL-SA-3093(Vol.1), pp VI.1-32)
Sodium fires analyses for the Fast Flux Test Facility, 25:57112 (HEDL-TME-71-31)
HALE, J. R. Consideration of the thermal properties of materials in the design of transiently stable superconducting magnets, 25:17114 (MIT-3700-13)
Transient stability limits for composite superconductors, 23:30506
Transient stabilization of Nb_3Sn composite ribbon magnets, 22:29435
HALE, J. W. Energy transfer in oxides. I, 25:40136
Surface reactivity of irradiated magnesium oxide, 23:1065
HALE, James D. Samarium filters for dental radiography, 24:29813
HALE, John Determination of kvp of diagnostic x-ray generators, 24:17073
Patient dose calculation, 24:21162
HALE, V. Q. DTPA and pH on leaf uptake of ^{59}Fe, ^{65}Zn, ^{137}Cs, ^{241}Am, and ^{210}Pb, 24:23102
Effect of chelates on uptake of heavy metal radionuclides from soil, 24:25371
HALE, W. H. Rapid gram-scale separation of Cm from Am and lanthanides by cation exchange chromatography, 23:28970
Vapor pressure and crystal structure of Cm metal, 23:36108
HALE, William H. Thermal decomposition of neodymium-loaded cation exchange resin, 25:39475
HALE, William H. Jr. Retention of ^{210}Po by refractory oxides, 25:6322 (DP-1240)
Separation of ^{171}Tm from irradiated enriched erbium, 23:35129 (DP-1183)
HALEEM, M. A. Carbon isotope effects in the decomposition of oxalic acid in glycerine solution, 21:40844
HALENKA, J. New method of forecasting geomagnetic activity using features of the solar corona, 23:1271
HALENKA, Jaroslav Emission of particles, causing geomagnetic storms, without accompanying radio effects, 22:7111
Prognoses of geomagnetic activity and cosmic research, 21:14940
Prognoses of geomagnetic activity and cosmic research, 22:26156
HALER, C. Blood changes in calcium and magnesium ion concentrations after whole-body x-irradiation, 24:31853
HALER, Constanta Changes in activity of adenosinedeaminase in erythrocytes, 24:34404
HALES, Anton L. P times from the nuclear explosion Greeley, 22:37895
HALES, C. N. Immunoradiometric assay procedures, 24:29664
Use of labelled antibodies in the assay of polypeptide hormones, 24:44396
HALES, Harriet B. Mechanism of the sensitization of bacterial transforming DNA to ultraviolet light by the incorporation of 5-bromouracil, 24:34800
Ultraviolet-induced damage to DNA independent of molecular weight, 21:39329
HALES, I. Long-term changes in thyroidal clearance rate after radioiodine therapy, 22:23466
HALES, I. B. Thyroid iodine accumulation and turnover in euthyroid Australian subjects, 24:34050
HALES, Ian Management of functioning thyroid cancer, 23:22343
HALES, J. M. Aerosol transport in a condensing-steam boundary layer, 24:46068 (BNWL-1125)
Aerosol transport in condensing stream environment, 23:17264 (BNWL-SA-2359)
Phoretic and Brownian diffusion processes in below-cloud scavenging of aerosol particles by rain, 24:39062 (BNWL-1307(Pt.1), pp 70-6)
Phoretic and Brownian diffusion processes in in-cloud scavenging of aerosol particles, 24:39066 (BNWL-1307(Pt.1), pp 92-6)
Phoretic processes in scavenging, 25:26387 (CONF-700601-, pp 411-22)
Precipitation scavenging of tritium and tritiated water, 25:48634 (BNWL-1551(Vol.2)(Pt.1), pp 82-4)
Washout of SO_2 from plume of a coal-fired power plant, 25:26378 (CONF-700601-, pp 293-303)
HALES, M. P. Second processing campaign in Waste Calcining Facility, 24:27316 (IN-1344)
Third processing campaign in the Waste Calcining Facility, 25:41893 (IN-1474)
HALES, R. Thermodynamics of some metal/coolant reactions in Mk.III reactors, 25:10518 (RD/B/N-1816)
HALEVI, E. A. Deuterium isotope effects in fermentation of hexoses to ethanol, 23:7962
Dipole moment and polarizability differences between NH_3 and ND_3, 22:12294
Secondary isotope effects. IV, 23:40625
Solvolytic α—deuterium effects for different leaving groups, 23:4620
HALEVY, E. Borehole dilution techniques, 22:19070
Deuterium and ^{18}O in natural waters: analyses compared, 21:25976
Radioisotope tracers in large-scale recharge studies of groundwater, 22:19067
HALEY, F. A. Irradiation effects at cryogenic temperature on tensile properties of titanium and titanium-base alloys, 25:42926
Irradiation system for cryogenic experiments in the Plum Brook reactor, 21:19807 (CONF-660511-, pp 1.8.1-22)
HALEY, Fred A. Effect of radiation at cryogenic temperatures on titanium and titanium-base alloys, 24:8161 (N-69-37436)
HALEY, J. Plutonium utilization in light water reactors, 25:39266 (A/CONF.49/P-71)
HALEY, J. R. Pyrochemical processing of fuel materials and scrap containing ^{238}Pu, 25:18492 (ANL-7709)
HALEY, J. T. Compact portable air sampler for emergency use, 22:28224
HALEY, S. B. New method for solution of the transport equation in slab geometry, 24:49232
HALEY, T. J. Clinical aspects of acute radiation injury, 25:44841
Radiation protection studies with essential phospholipids of EPL substance, 23:29589
HALEY, Thomas Edward Producing coated particles, 24:44692
HALEY, Thomas J. Brain self-stimulation rates after x-irradiation, 23:29777
Distribution of substance P in the central nervous system and small intestine of the rat after x irradiation, 22:36201
Effect of x irradiation on brain, 23:38769
Electrical activity in cat's visual system after x-irradiation, 23:41454
Plasma minerals in normal and neutron irradiated burros, 21:8681
Radiation and the detoxication of chemicals, 22:23474
HALFEN, F. J. HNPF spent fuel shipping cask, 22:45266 (NAA-SR-Memo-10549)
HALFMAN, P. J. Xenon tagging of instrumented fuel capsules for use in EBR-II, 24:18645 (CONF-690910-, pp 59-70)
HALFORD, J. Metallography of refractory metals subjected to liquid metal corrosion, 21:9058
HALFORD, J. D. Infinite dilution and shielded resonance integrals of ^{236}U, 21:38312
Resonance parameters for ^{236}U from integral measurements, 22:24876
HALFORD, Peter Purification of carbon dioxide, 22:27731
HALFORD, W. D. Cosmological theory based on Lyra's geometry, 25:13947
HALGRIMSON, Charles G. Radiology and organ transplantation, 24:25532
HALIDAY, J. D. Nuclear magnetic resonance spectrometer using a superconducting magnet, 23:7895
HALIK, E. E. AGS magnet transporter, 25:50447
HALIK, J. Inhalation of $^{24}Na_2CO_3$ aerosol, 25:24037
HALIK, Jaroslav Inhalation hazards in radon spas, 24:2812
Operation of the ARL-62 mobile radiohygienic lab, 22:51590
HALIL, Munib Adel Inelastic scattering of 6.0 to 6.5 MeV protons by Ni isotopes, 21:2682
Proton polarization by inelastic scattering on nickel isotopes, 22:24844
HALIMI Epithelioma developing on an angioma treated with Curietherapy, 25:42686

- HALITSKY, James Processes other than natural turbulence affecting effluent concentrations, 22:45195 (TID-24190, pp 189-255)
  - Prog. rpt. on transverse jet plumes, annual, 11/66—11/67, 22:6212 (NYO-3673-2)
  - Prog. rpt. on transverse jet plumes, annual, 12/67—12/68, 23:11654 (NYO-3673-3)
  - Prog. rpt. on transverse jet plumes, 1/1/69—1/31/70, 24:27240 (NYU-3673-4)
- HALKETT, James A. E. Allograft survival in nonsusceptible C57BL/6J mice hosts. Temporal relationship between whole-body x irradiation and the immune response, 25:8622
- HALKO, Arlene Cerebral blood flow studies with sodium pertechnetate /sup 99m/Tc and the scintillation camera, 22:25905
  - Clinical studies with radioisotopes and scintillation camera, 21:43478
  - Determination of cardiac output by radioisotope angiography and the image-intensifier scintillation camera, 25:24250
  - Dynamic clinical studies with radioisotopes and the scintillation camera, 21:22585
  - Technetium-99m-sodium pertechnetate cardiac blood-flow studies, 24:12150
- HALL, A. Corrosion of Zy-2 under radiation in high-pressure water, 22:21661
- HALL, A. C. Conference on recent developments in ellipsometry, Lincoln, Nebraska, 8/68, 24:944
- HALL, A. M. Surface treatments for stainless steels, 22:19477 (NASA-SP-5090)
  - Thermal and mechanical treatment of stainless steels, 22:21694 (NASA-SP-5089)
- HALL, A. R. Elastic moduli and internal friction of some uranium ceramics, 25:6905
- HALL, A. S. Influence of environmental acclimation on response of monkeys given x-irradiation, 23:16405
- HALL, B. E. Jr. Consolidation and application of tungsten—26 percent rhenium alloy seamless tubing, 21:9107
- HALL, B. H. Further study of H(990) effect, 23:39613 (UCRL-19229)
  - Interactions K^+p near 1 GeV/c, 22:50296 (UCRL-18323)
  - K^+n charge exchange near 1 GeV/c, 25:40896
  - K^+p partial wave analysis at 860 to 1210 MeV/c, 24:40387 (UCRL-19787)
  - Observation of Regge-pole effect in rho$^0\Delta^{++}$ and $\omega^0\Delta^{++}$ production at 3.7 GeV/c, 24:45441
  - Omega π^0 interference effect in $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$ interaction, 24:5257
  - ωrho^0 interference effect, 23:42559 (UCRL-18894)
  - Partial-wave analysis of K^+p elastic scattering, 23:42672 (UCRL-19231)
  - Production ratios (phi/ω and eta/eta') in reaction $\pi^+p \rightarrow \Delta^{++}$ + boson at 3.7 GeV/c, 23:39612 (UCRL-19225)
  - Proposed method for a search for C violation via rho^0 interference in ω decay, 25:59552
  - Reaction $\pi^+p \rightarrow \Delta^{++}A_2^0$ at 3.7 GeV/c, 25:3272 (UCRL-20050)
  - Search for a K^* below K π threshold, 22:39281 (UCRL-18206)
- HALL, Barbara M. Effects of whole body irradiation on serum colony, 24:14582
- HALL, Bronwyn H. Enhancement in Λp invariant mass in $K^-d \rightarrow \Lambda p\pi^-$ interactions, 23:16936
  - Interactions K^+d near 1 GeV/c, 23:7088 (UCRL-18322)
- HALL, Bronwyn, H. Search for K^* below $K\pi$ threshold, 22:39285
- HALL, C. C. Facility radiation and contamination alarm system in thorium—uranium recycle facility, 23:19937 (ORNL-TM-2464)
  - Process radiation monitoring instrumentation in Th—U recycle facility, 23:21940 (ORNL-TM-2463)
- HALL, C. R. Effect of point defects on absorption of high-energy electrons passing through crystals, 21:7365
  - Studies using radioisotopes. II, 24:9415
- HALL, Charles A. Vitamin B_{12} binding proteins and their antibodies, 23:11960 (CONF-671111-, pp 365-79)
- HALL, D. Crystal structure of the chloroform solvate of dioxodi-8-quinolinolato-8-quinolinoluranium(VI), 21:12404
  - Performance of the DAPR system, 25:13280 (CERN-70-21(Vol.2), pp 761-804)
  - Sum rules, dynamic form factor, and elementary excitations in liquid ^{4}He, 25:38292
- HALL, D. A. Continuous ash monitoring and coal blending processes, 25:21463
- HALL, D. C. Internal conversion coefficients in decay of ^{57}Co, 21:7734
- HALL, D. E. Diffusion, scattering, and acceleration of particles by stochastic electromagnetic fields, 22:9494
  - Stochastic magnetic pumping, 21:39980
- HALL, D. N. Composition and volume changes in noble and refractory metal alloys due to neutron irradiation, 23:16497 (AERE-R-5837)
- HALL, D. R. Radiation response of HeLa cells exposed at very low temperatures, 24:6056
- HALL, David A. International review of connective tissue research. IV, 24:32211
- HALL, David F. Prog. rpt. on porous metal ionizers, annual, 4/5/65—5/5/66, 22:2665 (N-67-16572)
- HALL, David L. Revised calibration of Vega by Hayes, 23:8368
  - Theoretical (U - B)- and (B - V)-colors, 23:27234
- HALL, Dennis Bubble density measurements with HAZE, 23:9745 (UCRL-18545)
  - DAPR: digital pattern recognition approaches production, 23:33506 (ANL-7515, pp 275-98)
  - DAPR: vertex search and track match, 23:9744 (UCRL-18544)
- HALL, Dennis E. Unassisted analysis of bubble chamber events, 23:45545 (UCRL-19210)
- HALL, Donald Eugene Test-particle analysis of plasma turbulence in astrophysics, 22:34647 (N-68-11000)
- HALL, Donald E. Particle dynamics in stochastic electromagnetic fields, 23:51821
- HALL, Donald Eugene Test-particle analysis of plasma turbulence in astrophysics, 22:39103
- HALL, Donald F. Digital data acquisition system for displacement measurement, 25:8397 (UCRL-72509)
- HALL, Donald N. B. Hydrogen fluoride in sunspots, 24:4954
- HALL, Douglas S. Absolute dimensions of CM Lacertae, 22:49910
  - Differential UBV photometry of β Lyrae. I, 24:27919
  - Differential UBV photometry of β Lyrae. II, 25:40199
  - Eclipsing binary in the Trapezium, 24:17455
  - Evolution of detached Algol systems, 23:10355
  - Memberhip of U Sagittae in Collinder 399, 24:42366
  - Nearby poor cluster Collinder 399, 24:42357
  - New delta Scuti variable (BD—6°4932), 24:51281
  - Periastron effect in β Arietis, 25:40200
  - Two independent photoelectric light curves and solutions of W Ursae Minoris, 24:17478
  - UBV photometric study of HS Herculis, 25:58452
  - UBV photometric study of IQ Persei, 25:4902
  - UBV photometric study of MR Cygni, 24:17454
  - UBV photometry of eclipsing binaries with visual companions, 25:22267
- HALL, E. Mechanical properties of reactor graphite, 22:11098
- HALL, E. J. Meristems under continuous irradiation, 21:22790
  - Radiobiological measurements with 14 MeV neutrons, 24:6144
  - Relative biological effectiveness of tritium beta particles compared to gamma radiation: its dependence on dose-rate, 22:40874
- HALL, E. O. Effects of irradiation damage on Ni—Cu alloys, 23:12382
  - Influence of irradiation damage on Portevin—Le Chatelier effect in hydrogenated Pd, 24:14861
  - Radiation damage in iron and steel, 22:19590
  - Yield point phenomena in metals and alloys, 25:49449
- HALL, E. R. Localisation of irradiation damage in rat seminiferous tubules, 24:12296
- HALL, E. T. Making of stainless steel shapes by casting and powder metallurgy, 21:32846 (RSIC-601)
- HALL, Edward G. High intensity (α, n) sources, 25:50603 (CONF-710402-(Vol.2), pp I.100-11)
  - Recent development in (α, n) sources, 25:50602 (CONF-710402-(Vol.2), pp I.90-9)
- HALL, Eric J. Advisability of treating all fields at each radiotherapy session, 25:24294
  - Cell killing at very low dose rates, 25:11095 (BNL-50203, pp 308-17)
  - Chromosome constitution and gamma-ray sensitivity, 22:2497
  - Discussion [biological effect of extremely high dose rates], 23:50810
  - Dose-rate effects in mammalian cells in vitro and in vivo, 22:49477 (CONF-680410-, pp 15.1-20)
  - Effect of hypoxia on recovery of sublethal radiation damage in Vicia seedlings, 23:33908
  - Low-dose-rate irradiation of mammalian cells with radium and ^{252}Cf. A comparison of effects on an actively proliferating cell population, 25:37809
  - Oxford NSD calculator for clinical use, 23:38593
  - Oxygen effect and x-ray sensitivity in synchronously dividing cultures of Chinese hamster cells, 23:16368
  - Oxygen effect for acute and protracted radiation exposures measured with seedlings of Vicia faba, 21:20437
  - Radiobiological measurements with ^{252}Cf, 24:23398
  - Radiosensitivity and oxygen effect measured at different phases of mitotic cycle using synchronously dividing cells of Vicia faba, 23:6610
  - Radiosensitivity and the oxygen effect for mammalian cells in vitro, 24:44584
  - Survival of mammalian cells exposed to x rays at ultra-high dose-rates, 23:26864
  - Threshold hypoxia: its effect on the survival of mammalian cells irradiated at high and low dose-rates, 21:8995
- HALL, F. F. Proposed high performance refrigeration cycles to obtain superconducting operation of a two-mile linear accelerator at 1.85 K, 1.25 K, or 1.0 K, 25:50446
- HALL, F. M. Chemistry of fluoro-complexes of Pa, 21:8313
- HALL, G. E. Equivalence of nuclei in high-resolution nuclear magnetic resonance spectroscopy, 22:52863
  - Nuclear magnetic resonance of microsamples, 21:21894
  - Nuclear magnetic resonance of microsamples, 21:23265
- HALL, G. G. Applied group theory, 21:46558
  - Second-order calculation of the hyperfine splittings in atomic hydrogen, 24:51398
- HALL, G. R. Gamma-radiolysis of Zeocarb 225 cation-exchange resins, 25:166
  - Production of chemicals by ionizing radiation, 21:23917
  - Radiation-induced decomposition of ion-exchange resins. II, 21:10378
- HALL, G. Richard Record-keeping in a radiation safety office by timesharing digital computer, 25:54984
- HALL, H. E. Dynamics of a rectilinear vortex in liquid He II, 24:37421
  - Superfluids, 23:6963
- HALL, H. T. Jr. Solid-liquid phase equilibria in the Na + K system, 24:10098
- HALL, H. Tracy High-pressure synthesis of $LuSb_2$, 24:14684
  - High-pressure Th_3P_4-type polymorphs of rare earth sesquichalcogenides, 23:47431
- HALL, H. Tracy Jr. Prog. rpt. on high-pressure phase studies on Na, K, Rb, and Cs metals and on Na—K alloys, 24:33573 (COO-1707-9)
  - Prog. rpt. on solid—liquid phase equilibria in K—Cs system, 9/69—8/70, 24:33572 (COO-1707-8)
- HALL, Harvey K-shell photoelectric cross sections for the Fermi—Thomas potential from 300 keV to 1.3 MeV, 21:7013
- HALL, Henry T. Early chemical history of Earth, 25:40338
- HALL, Hugh E. Jr. Scintillation-type fast neutron well logging device, 24:46532
- HALL, Hugh Edward Epithermal neutron well logging, 23:650
- HALL, I. Determination of the static quadrupole moments of the first 2^+ states in ^{124}Te and ^{128}Te by Coulomb excitation, 21:29973
  - Equilibrium charge state fractions for 11.5 to 37.3 MeV ^{16}O ions in carbon, 22:11216
  - Interference between nuclear and Coulomb excitation of ^{114}Cd by alpha particles, 24:22154
  - Measurement of static quadrupole moments of first 2^+ states of ^{108} ^{110}Pd and ^{110}Cd, 25:17893
  - Quadrupole moments of the first 2^+ states of ^{104} ^{106}Pd and ^{130}Te, 24:43395
  - Static quadrupole moments of first 2^+ states in ^{114}Cd and ^{116}Cd, 21:7785
  - Static quadrupole moments of the first 2^+ states in ^{104} ^{106}Pd and ^{130}Te, 24:26665
- HALL, I. J. Generalized SNAP safety analysis models, 23:29547 (SC-DR-68-345)
- HALL, I. S. Influence of surface roughness and wetting additive on pool boiling, 21:41136
- HALL, J. Bremsstrahlung in proton—α-particle scattering, 25:53528
  - Instrumentation and electronics for the SLAC beam switchyard, 21:38127
- HALL, J. A. Calibration of Mark I personal neutron albedo dosimeter at Trawsfynydd Nuclear Power Station, 23:26586 (RD/B/N-1332)
  - Recommendations concerning the use of the personal neutron albedo dosimeter, 22:51253 (RD/B/R-828)
  - Ten years of the international atom, 24:9843
  - Use of passive detectors for the evaluation of neutron shielding, 21:19979
- HALL, J. C. Earthquakes, surface fracturing, and strain associated with underground nuclear explosions at Yucca Flat, 25:6442 (USGS-474-94)
  - Seismic activity in Pahute Mesa area, NTS, 24:22804 (USGS-474-58)
- HALL, J. D. Gamma spectrometer system for pulsed beam (n,n'γ) measurements, 21:316
  - Instrument manual for prototype wet concrete analyzer, 25:26540 (ORO-3842-3)
  - Nuclear analysis system for coal, 21:12300
  - Prog. rpt. on neutron cross section program, annual, 7/65—7/66, 21:4236 (ORO-2791-19)
  - X-ray analysis using radioisotope sources, 22:4430 (ORO-3224-12)
- HALL, J. E. D-region electron distributions from further rocket measurements of lf propagation, 22:13326
  - Improved technique for track profile measurement in nuclear emulsions, 21:10644
  - Improved technique for track profile measurement in nuclear emulsions, 21:14432 (IS-1465)
  - Ionospheric observations during annular solar eclipse of May 20, 1966. I, 25:9309
  - Photon monochromator using Compton-scattered γ rays, 24:41708 (IS-2335)
- HALL, J. G. Occurrence of two types of cytotoxic lymphoid cells in mice immunized with allogeneic tumor cells, 24:44446
- HALL, J. H. Low-energy S-wave π—π interaction and dibaryon enhancement, 23:49136
- HALL, J. L. Angular dependence of laser photodetachment of negative ions of carbon, oxygen, and hydrogen, 22:21868
  - Bibliography on nucleon—nucleon scattering, 1961—66, 21:9697 (AERE-Bib-149)
  - Electron affinity of helium via laser photodetachment of its negative ion, 21:41764
- HALL, J. R. Complexes with six-membered chelate rings. II. Proton magnetic resonance study of trimethylenediamine, some methyl-substituted derivatives, and their complexes with platinum(II) and palladium(II), 24:41252
  - Complexes with six-membered chelate rings. I. Preparation of platinum(II) and palladium(II) complexes of trimethylenediamine and some methyl-substituted derivatives, 24:41253
- HALL, J. W. Assessment of data from an automatic neutron diffractometer installation, 22:12668 (AERE-R-5642)
  - CASSANDRA: megachannel time-of-flight analyzer, 23:26601 (AERE-R-5962)
  - Neutron time-of-flight techniques, 23:23612
  - New time-of-flight analyzer for neutron scattering, 25:18765
  - Small computer-based experimental equipment in Materials Physics Division, AERE, 23:22131
- HALL, Jack W. Diagnostic and therapeutic roentgenologic procedures on renal function, 21:16492
- HALL, James D. Method and apparatus for radioactivity analysis, 24:14274
- HALL, James Edison Photofission of ^{235}U and ^{238}U using a Compton scattering monochromator, 24:40611 (IS-T-375)
- HALL, John C. Reply to the comment on the calculation of lithium isotope-exchange equilibrium constants, 24:31307
  - Thermodynamics of lithium isotope exchange reactions. I, 23:43332
- HALL, John William Improvements in proportional counters, 24:16864
- HALL, K. Flux tilting in a two-zone reactor, 22:16301
- HALL, K. Lynn Biphenyl radiolysis, 21:28006
- HALL, Kenneth Improvements in or relating to control of liquid moderated nuclear reactors, 21:5648
- HALL, L. A. Electrical resistivity measurements on pure metals in temperature range 0 to 273 K, 25:7473 (NBS-TN-365-1)
  - Solar radiation in the extreme ultraviolet and its variation with solar rotation, 25:7050
  - Solar-cycle variation of extreme ultraviolet radiation, 23:41850

HALL, L. H. Spin-lattice relaxation and Zeeman effects in triplet state of pyrazine-d_4, 25:31742 (UCLA-34-P-91-47)
HALL, L. L. Effect of isostatic pressure on sintering, 21:36933
  Low pH of irradiated sucrose in induction of chromosome aberrations, 22:31043
HALL, L. S. Unstable pulse propagation in an inhomogeneous plasma, 23:42338 (UCRL-71644)
HALL, Larry Lee Acute fluoride toxicity: plasma fluoride concentrations following acute oral doses of sodium fluoride in the rabbit, 22:16375 (UR-49-891)
HALL, Laurence S. Analysis of large volume neutral injection magnetic mirror experiments, 21:23232 (UCID-15108)
  High-sensitivity schlieren technique, 21:5258
  Instabilities: convective vs absolute, 22:13520
  Stability of electrostatic oscillations in inhomogeneous anisotropic plasma, 22:20006
  Two-streaming cyclotron instability, 21:40042
HALL, M. Fundoscopic and histopathologic changes following experimental coagulation, 22:15075
HALL, Mary H. Wind data for Albuquerque area, 24:36413 (SC-M-70-144)
HALL, Peter John Scrivener Improvements relating to servicing tools for nuclear reactors, 24:7559
HALL, R. A. Effects of fallout in agriculture, 25:26786
HALL, R. B. Electromagnetic confinement and penetration of an overdense plasma, 24:42642 (D-1-82-977)
HALL, R. C. Metallurgy of Alloy 718, 22:707
HALL, R. F. Amounts of various mineral elements in cattle plasma and hair at intervals during the year, 24:13692 (ORO-672, pp 97-9)
  Radiation dose to the gastrointestinal tract of sheep fed an insoluble β-emitter, 24:44500
HALL, R. I. Electron-impact threshold excitation of N_2, 24:45020
  Resonance phenomena in low-energy-electron-impact excitation of He, 25:55851
  Resonances in electron impact excitation of H_2, 24:15156
  Threshold excitation of H_2 and D_2 by electron impact, 24:6365
HALL, R. J. Surface multiplication, 24:7200
  Surface multiplication, 24:11321
HALL, R. L. Binding energy of three nucleons, 22:39574
  Bound states of three identical bosons, 22:39304
  Energy lower bounds for translation—invariant N-fermion systems, 21:34040
  Many-particle systems. IV, 21:15625
  Many-particle systems. V, 21:46449
  Rigorous lower bounds on the energies of the N-body problem, 24:3773
HALL, R. M. Comparison of Li fluoride and film for personnel dosimetry, 22:8397
  Determination of actinides in biological samples with bidentate organophosphorus extractant, 24:38757
  Monitoring decontamination and bio-assay of a plutonium-contaminated injury, 21:14650
HALL, R. N. Gamma ray detectors made from high purity germanium, 24:39299
  High purity germanium for detector fabrication, 25:57787
  Prog. rpt. on high purity germanium for gamma detectors, annual, 5/68—4/69, 23:31517 (NYO-3870-2)
  Prog. rpt. on high-purity germanium for gamma detectors, annual, 6/67—4/68, 22:43028 (NYO-3870-1)
  Prospects for high purity germanium, 22:6559 (CONF-660663-, pp 27-36)
HALL, R. O. A. Self-irradiation damage in α-plutonium, 25:27837 (AERE-R-6506)
  Self-irradiation damage in α-Pu, 25:38561
  Thermal conductivity in the actinide elements, 25:11382
  Thermal conductivity of α-U between 5 and 100 K, 25:37955
HALL, R. R. Energetic-particle injectors for plasma physics experiments, 23:34464 (ORNL-4401, pp 176-81)
  Engineering problems in production and use of intense dc ion beams, 21:31197 (CONF-661016, pp 325-31)
  High-current beam production and injection, 21:13349 (ORNL-4063, pp 88-93)
  High-current ion beam production and injection, 22:31598 (ORNL-4238, pp 116-20)
  Semiannual progress report, September 8, 1970—February 28, 1971, 25:39311 (NYO-841-24)
HALL, R. S. Metal-coolant thermal interactions at high temperatures, 23:51037 (RD/B/N-1448)
HALL, R. W. Creep properties of Nb alloys in very high vacuum, 21:9156
  High-resolution radio observations of Venus at 6 cm, 25:27434
HALL, Richard Excitation of N molecule by electron beam in energy range 1 to 12 eV, 22:34255
HALL, Richard B. Electromagnetic penetration and confinement of a hot dense plasma, 25:17130
  Microwave measurements on laser-produced blast waves, 23:10620
  Particle accelerator, 23:15310
  Perturbation of microwave cavities by lossy dielectrics and plasmas, 21:27129 (D-1-82-0602)
  Perturbation of microwave cavities by lossy dielectrics and plasmas, 23:10619
  Production of net fusion energy from laser-heated target plasmas, 25:22537
  Stability of plane blast waves, 23:9637 (D-1-82-765)
HALL, Richard Ian Excitation of n = 2 He levels by low-energy electrons, 25:35882
HALL, Robert C. Scintiscanning in the diagnosis of rupture of the spleen, 25:13511
HALL, Robert E. Magnitude of secondary α-deuterium isotope effects for limiting solvolyses, 25:39503
HALL, Robert N. High selectivity electromagnetic radiation detecting devices, 25:23781
HALL, Robert W. Potassium Rankine system materials technology, 21:4938 (NASA-SP-131, pp 169-99)
  Ultrahigh-vacuum creep behavior of Nb and Ta alloys, 23:48422
HALL, Ronald James Nondestructive measurement of neutron capture rate of ^{235}U-foil in ZPR-9, 22:46809
HALL, Roscoe M. Jr. Thermoluminescent dosimetry, 25:21447 (TID-24270, pp C.37-40)
HALL, S. H. Contour maps of the equatorial electrojet, 22:41455
  Diurnal variations in period and polarization of magnetic micropulsations in south—west England, 21:31325
  Magnetic field of the ionospheric dynamo, 21:15038
HALL, S. J. Photodisintegration of deuteron between 100 and 320 MeV, 22:48447
HALL, Samuel J. Isentropic trajectories of air in thunderstorm environments, 21:25993 (ORO-3083-4, Pt.2)
  Patterns of certain kinematic properties of squall lines related to their radar echoes, 21:25994 (ORO-3083-4, Pt.3)
  Prog. rpt. on severe convective storms and stratospheric scavenging of radioactive particles, final, 1963—66, 21:25991 (ORO-3083-4)
  Radioactivity in rainfall from convective storms, 21:25992 (ORO-3083-4, Pt.1)
HALL, T. C. Liquid scintillation counting at ambient temperature, 21:5804
HALL, T. C. Jr. Gas permeation measurements on plastics, 23:18287
HALL, T. P. P. Defect centres in $KMgF_3$ produced by x-irradiation at room temperature, 24:8534
  Optical absorption of neutron-irradiated CaO, 25:47612
  Photon energy spectrum of a flash x-ray tube, 24:27473
  Structure of some trapped hold centers in CaF_2. II, 25:9546
HALL, Thomas C. Chemotherapy and x-ray therapy in lung cancer, 22:12888
HALL, V. C. Jr. Palisades plant: design and construction, 25:18041
HALL, W. PM-3A nuclear power plant experience and changes, 21:12214 (MND-3315-1)
HALL, W. B. Multiple-stage thermionic module, 22:7886
  Prototype designs, 22:35498
  Transient boiling of water at atmospheric pressure, 21:43162
HALL, W. C. Radioactive waste removal method, 23:33367
HALL, W. Cornelius Nuclear shielding for special situations, 21:42784
HALL, W. F. Critical distances in proton diffraction, 21:29346
  Mass dependence of angular distribution of charged-particle emission from crystals, 22:48182
  PULSTAR: slightly enriched UO_2 fueled reactor, 23:47239 (CNM-R-2(Vol.1), pp 408-49)
  Quantum effects in Rutherford backscattering and emission of electrons near a crystal axis, 25:1297
  Scattering potential from inelastic scattering of charged particles from crystals, 21:5090
  Wave mechanical interpretation of charged particles scattering through crystals, 22:31915 (BNL-50083, pp 3-14)
HALL, W. J. Calculation of foil effects in thermal-disadvantage-factor measurements, 21:8099
  Effective cadmium cutoff energies for finite cylindrical filters with finite-size detectors, 21:36358
  Effective cadmium cutoff energies for finite cylindrical filters with finite-size detectors, 22:25139
  Effective Cd cutoff energies for finite cylindrical filters with finite-size detectors, 22:10544 (WAPD-TM-670)
  Leakage effects on the fast advantage factor in seed-blanket assemblies, 21:7930
  Neutron leakage effects on the fast advantage factor in a seed-blanket assembly, 21:25638 (WAPD-TM-638)
  Neutron leakage effects on the fast advantage factor in a seed-blanket assembly, 21:44878
HALL, W. Keith Catalytic oxidation. IV. Ethylene and propylene oxidation over gold, 25:54569
  Hydrogen held by solids. II, 21:8258
  Tracer studies of acid-catalyzed reactions. VI, 21:14209
  Tracer studies of acid-catalyzed reactions. IX, 23:17440
HALL, W. N. Spectral changes in the zenith skylight during total solar eclipses, 25:35765
HALL, W. S. Particle identification utilizing an on-line computer, 23:21962
  Transition-state spectra for ^{234}U, ^{236}U, and ^{240}Pu from (d,pf) and (t,pf) angular-correlation experiments, 23:7308
HALL, William Davis Polarizability measurements of the alkali atoms sodium, potassium, rubidium and cesium, 22:34242 (COO-1112-164)
HALL, William F. Comparison of natural- and forced-convection cooling for a pulsed uranium-oxide reactor, 21:8094
HALL, Wm. Cornelius Materials for shielding nuclear radiations from plutonium processing, 25:54962 (CONF-710401-, pp 307-10)
  Primary hazards of particle accelerators, 23:28069
  Shielding special situations, 21:818
HALLAB, Abdul Hamid Detoxification of pesticidal residues in fish and shellfish, 24:5980
HALLABA, E. Activation analysis of ^{60}Co encapsulated in stainless steel needles, 24:50359
  Determination of deuterium content in low concentration water samples by infra-red spectrometry, 21:4744
  Determination of the deuterium content of natural waters in UAR by mass spectrometry, 21:14164
  Extraction of RuNO NITRATO complexes, 23:28972
  Measurement of deuterium in water, 24:9231
  Newer trends in nuclear materials research in U.A.R, 25:52420 (A/CONF.49/P-146)
  Photo-induced labeling of Rose Bengal with ^{131}I by ultraviolet radiation, 21:32216
  Radioactivation and tracer studies on cements, 23:17379
HALLAIS, J. Low-temperature specific heat of crystalline specimens of V_3Si, 24:6473
HALLAM, A. Environmental and biochemical control of Sr in shells of Cardium edule, 22:43212
  Further notes on the strontium contents of unaltered fossil cephalopod shells, 23:8052
HALLAM, J. W. Physics of non-uniform BWR lattices, 22:22768
  Recent fast critical experiments in MSCA and 710-CE, 21:15765 (CONF-661019-10)
  Recent fast critical experiments in MSCA and 710-CE, 21:35674 (ANL-7320, pp 195-203)
HALLAM, R. C. Joining techniques for SAP-clad nuclear fuel elements, 22:10933
HALLAN, J. B. Requirements for public health facilities in post-thermonuclear attack environment, 21:20158 (AD-643204)
  Simulation model of an emergency medical system, 23:50583 (CONF-671135-, pp 67-91)
HALLAUER, W. Disturbances of electrolyte and water balance in acute radiation injury, 23:22340
  Disturbances of electrolyte and water balance in acute radiation damage, 23:43806
HALLBERG, O. Radiation injury to the brachial plexus in patients with mammary carcinoma, 25:564
HALLCOCK, Rozetta R. Anion exchange separation and spectrophotometric determination of titanium in uranium-plutonium ternary alloys, 21:25788
HALLDAL, Per Ultraviolet action spectra in algology: a review, 21:43539
HALLE, H. Proposed analytical model for the cross-flow-induced vibrations of a circular cylinder, 24:52877 (ANL-7685, pp 248-69)
  Utilization of photoelastic and strain-gage instrumentation for test of externally pressurized shell, 21:8140
HALLE, Lars Swedish nuclear manufacturing industries: today and tomorrow, 25:28525 (CONF-700550-, Paper 3)
HALLEN, D. Quasi-continuous measurement of small concentrations of SO_2 in waste gases by soft-γ absorption analysis, 21:23843
HALLEN, O. Radiation therapy of syringomyelia, 25:566
HALLEN, Olle Quantitative response of neurons to x irradiation, 21:39359
  Radiosensitivity of single cells in nervous tissue, 24:5999
HALLENBECK, George A. Status of clinical renal homotransplantation, 21:24562
HALLENBECK, George S. Radioisotopes and thyroid function, 22:25922
HALLENGREN, L. Use of radioisotopic thermoelectric generators in aids to navigation in Sweden, 21:26088
HALLER, C. Effect of ionizing radiation on the erythrocyte and reticulocyte metabolism, 24:6121
HALLER, E. Channels on surfaces of Ge(Li)-diodes and their influence on x-ray and electron spectra, 25:57797
  Measurement of conversion coefficients with Ge(Li) diode, 24:20994
HALLER, Gary Lee Hydrogen, isomerization and exchange reactions on partially activated chromium oxide catalysts, 22:14505
HALLER, Gerard Experimental morphogenesis with ciliata. II, 23:33815
HALLER, I. B. Radionuclides produced in man by high energy protons, 21:36552 (AD-636646)
HALLER, J. Alex Jr. Congenital inguinal hernia and inguinal herniography, 24:46627
HALLER, K. Intermediate vector bosons as unobservable particles, 21:21191
HALLER, Kurt Catastrophic events and gauge invariance, 23:15222
  Equivalence of the Coulomb gauge and the reformulated Lorentz gauge, 23:42737
  Renormalization constants, wave functions, and energy shifts in Coulomb and Lorentz gauges, 25:1611
  Subsidiary condition in quantum electrodynamics, 22:44482
HALLER, T. R. Temperature dependence of critical current in diffusion processed ^{3}NbSn, 25:49855
HALLER, W. A. ^{252}Cf neutron activation for terrestrial, sea floor, and possible planetary surface analysis, 25:48469 (CONF-710402-(Vol.3), pp III.20-9)
  Anticoincidence-shielded Ge(Li) γ-ray spectrometer, 22:45318 (BNWL-SA-2009)
  Californium-252 neutron activation for terrestrial, sea floor, and possible planetary surface analysis, 25:26188 (BNWL-SA-3803)
  Cellulose as biological reference material, 24:100
  Cesium-137 determination in fission products by direct beta—gamma coincidence counting, 21:34222
  Determination of mercury in biological and environmental materials by instrumental neutron activation analysis, 25:34551
  Determination of trace elements in petroleum by neutron activation. I, 25:46452
  Determination of trace elements in petroleum by neutron activation. II, 25:46467
  Evaluation of elemental tracers and neutron activation analyses in atmospheric precipitation studies, 22:18960 (BNWL-481-1, pp 82-5)
  Gamma ray energy tables for neutron activation analysis, 24:27011 (WSUNRC-97)
  Manganese determination in mammalian bone by neutron activation analysis, 23:49764
  Organic ^{131}I compounds released from a nuclear fuel chemical processing plant, 21:32101
  Prog. rpt. on measurement of radiation exposure of astronauts, 10/6/69—1/4/70, 24:23191 (BNWL-1183-3)
  Prog. rpt. on measurement of radiation exposure of astronauts, 1—4/70, 24:39501 (BNWL-1183-4)
  Prog. rpt. on measurement of radiation exposure of astronauts by radiochemical techniques, 4/6—7/5/70, 24:48535 (BNWL-1183-5)
  Trace element analysis of human lung tissue by neutron activation and instrumental analysis, 23:4571
  Washout coefficients for selected gases and particulates, 21:14325 (BNWL-SA-657)

Washout coefficients for silver iodide, 21:14124 (BNWL-SA-798)
HALLER, William A. Activation analysis of geochemical materials, 24:144
Determination of fifteen elements in plant tissue by neutron activation analysis, 24:123
Instrumental determination of trace elements in plant tissue by neutron activation analysis, 23:6357
Method for determining the amount of ^{137}Cs in irradiated nuclear fuel, 22:30445
Neutron activation analysis of blood, 23:24135
HALLERMAN, G. Unusual weld cracking problem in Inconel, 23:976
HALLERMANN, Franz J. Angiocardiographic and anatomic findings in origin of both great arteries from the right ventricle, 24:29818
HALLETT, A. C. Hollis Evidence for electron-hole recombination mechanism of defect production in KCl and NaCl at 20°K, 23:24968
Surface tension of liquid He I and the law of corresponding states, 21:31360
HALLETT, C. D. Experience in the use of thermoluminescent dosimeters for radiation dose control purposes, 25:35023 (AEEW-M-962)
HALLETT, J. B. Color centers and point defects in irradiated thoria, 24:47299
HALLETT, R. Use of digital computers in activation analysis systems, 24:77
Versatile programed fraction collector, 21:10411 (AERE-R-4766)
HALLETT, W. J. Role of the national laboratories in the RDT standards program, 25:41366 (CONF-710315-11)
HALLEUX, O. Protection of workers against industrial use of x rays, 22:23525
HALLEY, J. Woods NMR experiment to observe spin waves in solutions of ^{3}He in ^{4}He and in pure ^{3}He, 25:43280
Theory of vortex resonance in liquid helium, 22:22091
HALLEY, Pierre Long-term forecasting of cycles of sunspots, 25:11631
HALLGREN, Douglas S. Survival of micro-organisms in space, 22:33988
HALLGREN, E. L. Early evolution of a star of 1.2 solar masses, 21:3629
Early evolution of five stars of medium mass, 21:31137
Effect of composition on the post—red-giant evolution of a 5 M/sub sun mass/ star, 25:6990
HALLGREN, Elisabeth Lynn Evolution of medium mass stars, 21:35000
HALLIDAY, D. B. U.K. study for a high flux beam reactor, 21:44504 (CONF-660925, pp 261-79)
HALLIDAY, Dixon Brydson Improvements in or relating to nuclear reactors, 22:18532
HALLIDAY, I. G. Explosions and multi-peripheralism, 25:53153
Fubini sum rules for vertex functions, 22:3293
Grand-daughter trajectory in the ladder approximation, 22:46560
Low subenergies, crossed rungs, and duality in multiperipheral bootstrap, 25:1495
Multiperipheral bootstrap, 25:9757
Pion dominance and the Adler—Weisberger relation, 22:11650
Self-consistent Regge plane, 24:49628
Self-consistent Regge singularities, 23:21169
Self-consistent Regge singularities. II, 23:21179
Signature, factorization, and unitarity in multi-Regge model, 25:59611
Sum rules and perturbation theory, 22:3294
Threshold behavior of 3-body partial-wave amplitudes. ii, 21:23358
Time delay and resonances in a three-particle model, 21:11824
Unitarity equation at high energy, 23:19008
HALLIDAY, J. Solvent isotope shifts of caesium resonances in dilute salt solutions, 23:17436
HALLIDAY, John Stephen Mass spectrometers having adjustable beam defining slits, 25:46658
HALLIDAY, John W. Radiolysis of $FeSO_4$—$CuSO_4$—H_2SO_4, 24:19015
HALLIDAY, P. Argon-41 activity discharged from shield cooling air, 23:29141
Suitability of gas cooled reactors for fully urban sites, 24:50065
HALLIDY, W. H. Radiation scattering in Einstein—Maxwell theory, 25:59606
HALLIDY, William H. Gravitational radiation, 24:20229
HALLIER, U. W. Use of ^{14}C and ^{32}P in locating genetically caused defects in photosynthesis of some plastid mutants, 21:41342
HALLIGAN, D. W. Structural design criteria for secondary containment structures, 23:21575
HALLIGAN, James E. Prediction of the approach to steady state of a mixer-settler extractor, 21:1442
HALLIGAN, James Edmund Profile of a liquid droplet during formation and separation, 21:42913 (IS-T-178)
HALLIN, R. Plasmas produced by focused CO_2 laser radiation, 22:50196
Spin-forbidden resonance multiplets in light elements, 24:3111
HALLINAN, G. J. Fermi fuel transport facility, 24:468
HALLINAN, T. J. Artificial aurora experiment: ground-based optical observations, 25:55962
Flickering: a 10-cps fluctuation within bright auroras, 23:6939
HALLINAN, Thomas J. Small-scale auroral arc distortions, 25:14119
HALLING, H. Influence of photoelectron statistics on time-correlations in fast coincidence measurements, 21:17870
Manual controller with preselect for CAMAC system, 24:27474
Null-pass trigger as time-scale indicator for coincidence measurements, 21:1589
Random pulse-burst generator for simulation of Gaussian distribution, 25:32309
HALLING, Horst Photomultiplier for low-level scintillation counting, 24:46492
HALLISEY, R. M. Strontium-90 in human bones, 1964—65, 22:28512
HALLISEY, Robert M. Strontium-90 in human bone from infancy to adulthood, 1962—63, 22:28520
HALLMAN, D. Concrete-polymer building blocks, 25:4859
HALLMAN, D. F. Radiation-induced production of dibutyltin dibromide at high temperatures, 22:30603
HALLMAN, Donald Fhay Radio-induced production of dibutyltin dibromide at high temperatures, 23:45316
HALLMAN, E. D. Characterization of large alloy single crystals by neutron diffraction, 22:4777
Neutron crystal spectrometers, 24:9680
HALLMAN, P. Radiation damage to chromosomes, 22:36327
HALLMAN, Vivienne L. Laser irradiation of eye. II, 24:2803
Laser irradiation of the anterior segment of the eye, 23:26907
HALLOCK, Robert Bruce Studies of ^{4}He by x-ray scattering, 25:3018
HALLOPEAU, C. Development of a radioactive marine periphytal community, 25:18936
HALLORAN, John J. Effect of Fermi-level motion on normal-state properties of β-tungsten superconductors, 21:43954
HALLORAN, M. H. Fermi surfaces of Nb and Ta, 24:19984
HALLOWELL, J. B. Aluminum and magnesium, 23:24881
Silicide coatings for tantalum and tantalum-base alloys, 21:9064
HALLSWORTH, E. G. Distribution of Co in T. subterraneum, 21:16267
HALLWACHS, O. Detection of renal blood flow disturbances with radioisotope methods in clinics and experiments, 22:25942
Radioisotopes to determine tubular passage time in dog kidneys, 25:29414
HALMANN, M. Isotope effects on Franck—Condon factors. VII, 21:19602
Photochemical and radiation-induced reactions of phosphorus compounds, 22:25421
HALMI, N. S. Effect of actinomycin D on thyroidal iodide transport in rats, 22:38224
Factors affecting distribution of ^{127}I and ^{131}I between particulate and soluble thyroidal protein-bound I in rat thyroid, 21:30791
HALMOY, E. Plasma heating by strong shock waves, 25:38383 (CONF-710607-120)
Strong shock waves, 24:45285
HALMOY, Einar Production and investigation of very strong ionizing shock waves, 25:52839
HALMSHAW, R. Assessment of ^{169}Yb for industrial radiography, 25:48745
Radiographic examination of heavy-wall pressure vessels: choice of source of radiation, 25:44112 (CONF-700224-, Paper 7)
HALMY, Klara Herpes zoster induced by x and cobalt irradiation, 25:49312
HALN, Eric W. Increased litter size in the rat x-irradiated during the estrous cycle before mating, 21:41503
HALNAN, K. E. Effects of computers on radiotherapy, 24:31996
Extracorporeal irradiation of the blood in leukemic patients, 23:29524
Measurement of dose to thyroid carcinoma metastases from radio-iodine therapy, 24:23295
Progress in optimization by score functions, 24:31991
HALNAN, Keith E. Late functional and cosmetic results of treatment of eyelid tumors, 22:40905
Polycythaemia vera, 21:16469
HALOUZKA, M. Method of thermal calculations of tubular fuel element with smooth or finned surfaces for gas cooled heavy water reactor, 22:16319 (UJV-1839)
Results of optimization calculations of finned tubular fuel element for gas cooled heavy water reactor, 22:16320 (UJV-1840)
Thermal calculation of a tubular fuel element with a given radial thermal neutron flux, 23:52490 (UJV-2153-R)
HALOW, I. Selected values of chemical thermodynamic properties, 25:41826 (NBS-TN-270-5)
HALPERIN, A. Optical studies in x-irradiated high purity sodium silicate glasses, 21:5952
Thermoluminescence and thermally stimulated currents in quartz, 25:7457
HALPERIN, B. I. Comment on the paper of G. V. Chester on excitation spectrum and hydrodynamics of unsaturated helium films, 25:25013
Kohn anomalies in W and other Cr-group metals, 24:19987
Onset of superconductivity in one-dimensional systems, 25:30420
Properties of a particle in a one-dimensional random potential, 22:13622
Time scale of intrinsic resistive fluctuations in thin superconducting wires, 24:23923
HALPERIN, E. New Jersey's development of a comprehensive environmental surveillance program, 25:16169
HALPERIN, Elias New Jersey's development of comprehensive environmental surveillance program, 25:16209 (CONF-691129-1)
HALPERIN, J. Alpha decay half-lives of ^{242}Pu and ^{244}Pu, 23:17113
Alpha decay of ^{253}Cf and ^{254}Cf, 23:5915
Effective capture and fission cross sections for ^{253}Cf, 24:52569
Thermal neutron cross sections and resonance integrals of ^{139}La and ^{140}La, 21:15592
Thermal-neutron capture cross section of ^{253}Cf, 23:42935
HALPERIN, Jerome A. Surveys of radium contamination in aircraft instrument repair facilities 1966—1967, 25:32435
Use of radioactive materials in gas chromatography, 25:10421 (BRH/DMRE-70-5)
HALPERIN, W. Further observations of the γ-Cygni radio source, 23:6832
HALPERN, A. Atomic radiobromine in neutron-irradiated p-dibromobenzene, 23:40716
Chemical effects of neutron capture in bromobenzoic acids, 23:37994
Chemical effects of neutron irradiation in p-bromochlorobenzene and p-dibromobenzene, 25:32026
Thermal annealing in neutron-irradiated tribromobenzenes, 22:47181
Thermal annealing of ^{127}Te atoms in /sup 127m/Te-labelled sodium tellurate, 23:21771
Thermal annealing of ^{82}Br in neutron-irradiated p-dibromobenzene, 21:25909
HALPERN, Aleksander Valence distribution of ^{77}As from β-decay, 23:9461
HALPERN, Alvin M. Hyperfine structure of the $(p\mu p)^{+}$,L = 1, ortho, bound state, 22:47798
HALPERN, Arthur M. Excited singlet state transition probabilities for acetone, acetone-d_6, and hexafluoroacetone, 25:15601
HALPERN, B. Myelo-restorative capacities and immunocompetence of bone marrow cells of the mouse cultivated in vitro, 25:26942
HALPERN, B. I. Voltage due to thermal noise in the dc Josephson effect, 23:32273
HALPERN, B. L. Treatment of transplanted Moloney virus-induced lymphoma in mice, 23:31676
HAL'PERN, E. S. Model of s-wave potentials with a hard core, 25:17993
HALPERN, Edward Gamma-ray spectrometer for space applications, 22:38112
High-resolution gamma-ray spectrometer for use in outer space, 22:28152
HALPERN, F. R. Expansion (O(4)) of off-shell scattering amplitudes, 23:15263
HALPERN, Francis R. Relation between relativistic and nonrelativistic S-matrices, 21:27442
Some consequences of an intrinsic mass formula, 21:5408
Special relativity and quantum mechanics, 22:50267
HALPERN, Gerald Dynamics of a charged particle in a spiral field, 23:1257 (N-68-25755)
Dynamics of a charged particle in a spiral field, 23:5174
Two-stream instability in plasma, 22:41586
HALPERN, I. Alpha-particle emission during nuclear fission at moderate excitation energies, 22:3720
Angular momentum distributions associated with evaporations from excited nuclei, 22:27371
Angular-momentum distributions of residual nuclei in compound-nuclear reactions, 22:30052
Effective charge factor for the radiative capture of fast nucleons, 25:5839
Evaporation of α particles from heavy nuclei, 23:8994
Excitation energy dependence of neutron yields and fragment kinetic energy release in the proton induced fission of ^{233}U and ^{238}U, 24:38214 (RLO-1388-113)
Fission chips, 23:37295
Gamma transitions from isobaric analogue resonances in the ^{92}Mo(p,γ) ^{93}Tc reaction, 23:23676 (RLO-1388-93)
Gamma-ray transitions from isobaric analog states to low-lying states in ^{93}Tc, 23:28316
Gross structure in the spectra of helium ions inelastically scattered from heavy nuclei with large energy loss, 25:50744
Inelastic electron scattering and nuclear structure, 24:30875
Intensities and angular distributions of ground-state rotational transitions excited in (α,3n) and (α,4n) reactions, 22:53210
Isobaric analogue resonant (p,γ) reactions on ^{92}Mo, 25:28359
Nuclear probing by muons, 23:37305
Proton induced fission of ^{233}U and ^{238}U, 25:3660
Removal of angular momentum by evaporating neutrons and photons in the (α,3n) reaction, 21:1109
Spectra of high-energy photons emitted from the compound system ^{64}Zn, 24:52512
HALPERN, J. Cross section for the reaction $\pi^{-} + p \rightarrow n$ + neutral particles for pions in the momentum range 0.78 to 5.3 GeV/c, 21:33612
Neutral decay modes of the eta meson, 21:29428
Neutral decay of ω meson, 21:37707
Study of di-pion from reaction $\pi^{-} + p \rightarrow n + \pi^{0} + \pi^{0}$ at 1.53 and 1.27 GeV/c, 23:14982
HALPERN, Jack Pulse radiolysis of aqueous solutions of Co cyanide complexes, 24:9355
Pulse radiolysis of aqueous solutions of pentacyanocobaltate(II). The detection and characterization of pentacyanocobaltate(I), 25:39535
HALPERN, L. Role of Bose statistics at gravitational transitions, 22:18022
Self-coupled scalar gravitation, 25:43705
Some aspects of the interaction of a classical gravitational field with a quantized matter field, 22:20331
Sources and detection of gravitational radiation of high frequency, 25:59604
Stimulated photon-graviton conversion by an electromagnetic field, 22:53032
HALPERN, M. Proteins released from chick embryo fibroblasts. I, 24:33994
HALPERN, M. B. Born term for the hadron bootstrap, 23:46687
Canonical representation of Sugawara's theory, 22:46504
Conspiracy and superconvergence in pion photoproduction, 21:42314
Construction of solutions to superconvergence relations, 22:20219
Dual model of pions with no tachyon, 25:40991
Dual models without parity doubling, 24:18197
Formal reconstruction of theory from experiment, 22:11660
Gauge-field algebra, soft-meson methods, and divergences, 21:40169

- New dual quark models, 25:33683
- Non-usual topologies on space—time and high-energy scattering, 21:27443
- Nonrenormalizable field theories, 21:2514
- Persistence of the photon in conformal-dual models, 25:43618
- Perturbative approach to superconvergence relations and current algebra, 22:26599
- Possible one-channel Castillejo-Dalitz-Dyson poles in π N and π π scattering, 21:918
- Spin and internal symmetry in dual Feynman theory, 24:18241
- Strong interactions as a possible mediator of weak interactions, 22:5549
- Structure and extensions of a theory of currents, 22:37112
- Theories at infinite momentum, 23:15002
- Theories at infinite momentum, 24:8715
- Theory of currents and the nonstrong interactions, 23:25693
- Towers as sets of composite particles and trouble with infinite-component field theories, 21:37911
- Unitary closed loops in Reggeized Feynman theory, 24:8711
- Veneziano parametrization for nonstrong amplitudes, 23:42624
- Ward identities, unsubtracted dispersion relations, and Feynman graphs, 21:37943
- HALPERN, Martin Rubidium—strontium isotopic age measurements of plutonic igneous rocks, 22:175
- HALPERN, Otto Einstein—Bohr ideal experiment, 21:21115
  - Einstein—Bohr ideal experiment. II, 23:34561
  - Hyperfine structure of muonium, 22:13215
  - Influence of pair-production on quantum theoretical measurements, 21:13666
  - Light and heavy acids dissolved in light or heavy water, 21:12399
  - Scattering of radiation in quantum mechanics, 23:44574
  - Studies of the optics of neutrons. VI, 22:39566
  - Studies on the optics of neutrons. V, 22:15937
  - Thermodynamics of superconductors in magnetic fields, 22:38988
  - Uncertainty principle, 21:21116
  - Uncertainty principle. II, 23:34563
  - Uncertainty principle. III, 24:47338
- HALPERN, S. /sup 99m/Tc sulfur colloid macroaggregates. A new lung-scanning agents, 25:24232
- HALPERN, S. E. /sup 99m/Tc brain scanning in Herpes virus type I encephalitis, 25:4660
  - Critical evaluation of /sup 99m/Tc—Fe—ascorbic acid complex as a renal scanning agent, 25:26848
- HALPERN, Sam Evaluation of the lung scintiphoto as a screening test for pulmonary disease, 25:55297
- HALPERN, T. Direct access ^{3}He cryostat, 22:46069
  - Hyperfine interactions: tables of isotropic and anisotropic parameters for the atoms hydrogen to bismuth, 25:27441 (ANL-7784)
- HALPERN, T. A. Corrections to Fermi function and ft values of $0^+ \rightarrow 0^+$ super-allowed β decays, and vector coupling constant, 23:7348
  - ft Values of some $0^+ \rightarrow 0^+$ beta decays and the value of the vector coupling constant, 21:44797
- HALPERN, Todd A. Static Coulomb correction to beta decay arising from the nuclear charge change: a nonperturbative approach, 24:35910
- HALPERN, Todd Allen Calculation to $Z\alpha$ of corrections to the Fermi function, 24:3960
- HALPERN, Yuval Electrophilic reactions at single bonds. III, 25:26226
- HALPIN, J. J. Nuclear radiation damage to ruby lasers, 25:21509
  - Ruby fluorescence as a dosimeter for pulsed, high energy, ionizing radiation, 22:43112
- HALPIN, M. K. Interaction of glassy carbon with alkali metal vapours, 24:8167
- HALPINE, P. A. FFTF reactor refueling system, 24:52968
- HALPINE, Paul A. Design, analysis, and fabrication of shielded containers to transport HNPF fuel elements, 23:585 (CONF-681001-, pp 584-606)
- HALPRIN, A. Photonic decay rates and nuclear-Coulomb-field coherent production processes, 21:9742
  - Vector meson emission by leptons in nuclear Coulomb fields, 21:2409
- HALPRIN, Arthur Critique of an application of the N-quantum approximation, 21:29630
  - Systematic renormalization procedure for the N-quantum approximation, 22:46502
- HALPRIN, Kenneth M. Uv light and glycogen formation in man, 21:36492
- HALSALL, M. J. BOUT: program for integrating burnup equations for Th and U fuels, 21:31894 (AECL-2693)
  - Effective surface area of fuel clusters for resonance integral calculations, 22:3924 (AECL-2775)
  - Integral neutron spectrum measurements in heavy water lattices, 21:38655 (AECL-2707)
  - Isotopic composition of Pu produced in D_2O cooled and moderated reactors, 21:1239 (AECL-2631)
  - Isotopic composition of Pu produced in D_2O moderated reactors, 21:21621 (AECL-2631(Rev.))
  - Modifications to computer code EPITHET, 21:7624 (AECL-1996(Suppl.))
  - SOLO: multigroup, multiregion computer code for calculating thermal spectrum in lattice cell, 21:44496 (AECL-2759)
- HALSE, M. R. Ac face field losses in a type-II superconductor, 24:30284
- HALSETH, Martin W. Turbulence in the positive column of a glow discharge, 23:20957 (UCRL-18678)
  - Turbulence in the positive column, 24:26179
- HALSTEINSLID, A. Neutral-decay mode of eta^0 and ω^0 mesons, 23:49060
  - Search for decay mode eta$^0 \rightarrow \pi^0\gamma\gamma$, 22:5494
- HALTENBACH, K. Dose measurements obtained by a simple adiabatic calorimeter, 24:25318
- HALTER, G. Late fistula after irradiation of cervical cancer, 21:16508
- HALTER, J. Computer method for analysis of γ spectra application to fission-fragment mixtures, 25:12535
  - Graphic representation for rapid estimation of expected dose in exposure to contamination, 23:20195 (CONF-680507-, pp 362-75)
  - Semiconductor measurement of fallout, 23:19929 (CONF-680507-, pp 84-9)
  - Semiconductor measurements of fallout, 22:45320
  - Thirteenth report of federal commission on monitoring of radioactivity for year 1969 delivered to federal council, 25:54791
  - Three-dimensional scheme for classification of radioactivity measurements in the biosphere, 23:20193 (CONF-680507-, pp 340-5)
- HALTON, John H. Least-squares Monte Carlo methods for solving linear systems of equations, 21:19517 (BNL-9678)
- HALTRICH, S. 8 MeV betatron with improved magnetic circuit, 24:26555
- HALTRICH, St. Time variation of the equilibrium orbit radius in a betatron, 21:29702
- HALVA, C. J. Direct preparation of ThO_2—$^{233}UO_2$ fuel by sol-gel process, 22:23857 (CONF-660524-, pp 417-43)
- HALVA, Carroll Joe Preparation of reactor fuel materials, 24:25771
- HALVERSON, A. W. Prog. rpt. on nature and importance of selenium metabolites in animal, 1—12/70, 25:15425 (COO-1449-11)
- HALVERSON, Howard G. Development of some radioisotope procedures for measuring water movement in trees, 23:47918 (TID-25136)
  - Development of some radioisotope procedures for measuring water movement in trees, 24:29704
  - Further development of radioisotope techniques for measuring water movement in large trees, 24:41722 (TID-25463)
  - Profiling radioactive snow gage, 25:51926
  - Profiling snow gage and its utility in water supply forecasting, 24:5828
- HALVERSON, S. L. Frequency-shifting method of exciting a plasma in a resonant cavity, 23:18666
  - Frequency-shifting method of exciting plasmas, 23:34370 (CONF-680113-(Vol.3), pp 987-1024)
  - Ionizing radiation effects in lithium niobate, 25:52482
  - Radiation exposure of a lithium niobate crystal at high temperatures, 25:21521
- HALVERSON, Ward Energy loss of fast test ions in a plasma, 24:12801 (EUR-CEA-FC-472)
- HALYS, Jozef Changes in vaginal flora in women treated with γ- and x-rays, 24:23407
- HALZEN, F. Amplitude analysis of πN scattering at 6 GeV/c, 25:53204
  - Boson 27-plet in the unitary symmetry model, 22:35051 (NP-17486)
  - Boson 27-plet in the unitary-symmetry model, 22:32194
  - Broken exchange degeneracies and secondary trajectories in charge and hypercharge reactions, 24:21985
  - Building meson—baryon scattering amplitudes from duality, 25:9799
  - Coupling of π and A_1 trajectories by duality, 24:52071
  - Interference of t and u channel amplitudes in pion nucleon scattering, 24:49530
  - Isobars sharing the quantum numbers of the nucleon, 23:27818
  - Phenomenological quark—antiquark potential, 21:23351
  - Quantum numbers of cross-channel exchanges, 25:43565 (CALT-68-305)
  - Regge parametrization for low-energy πN scattering, 25:12211
  - Regge poles with kinematic cuts in π N backward scattering, 24:35663
  - Resonance interpretation in Argand diagrams, 24:10748
  - Self-consistent calculation of N_{11}^* parameters, 22:29709
  - Test of duality sum rules for mesons, 24:15570
- HALZEN, Francis Baryon resonances and SU_3 mixing. I, 22:50435
- HALZEN F. Bounds on polarization in πN scattering from isotopic spin invariance, 25:53209
- HALZL, J. Application of nuclear reactors to alumina industry, 23:48381
  - Application of the HTGR—CCGT system, 23:49628
  - Integration of district-heating nuclear power stations into interconnected power systems, 25:34388
  - Peak power supply from nuclear energy centres, 24:29073
- HALZL, Jozsef Application of HTGR—CCGT system in dual-purpose nuclear-power plants, 24:18750
  - Application of nuclear reactors to Al industry, 24:18751
- HAM, Inyong, Fundamentals of tool wear, 23:22626
- HAM, Kathryn N. Delayed response to x-irradiation of the skin, 23:12213
- HAM, Norman S. Magnetic resonance. Proceedings of the international symposium on electron and nuclear magnetic resonance, held in Melbourne, August 11—15, 1969, 24:51860
- HAM, R. B. Solid state/NaI, single/dual parameter gamma analysis for low level samples using an on-line computer: results, 25:16183
- HAM, R. C. Chemical integrity of radioisotope containment materials in launch abort environments, 21:45307 (SC-CR-67-2656)
  - Prog. rpt. on radioisotope propulsion technology program, final, 10/65—9/66, 21:12587 (STL-517-0049(Vol.3))
- HAM, R. K. Fatigue and tensile fracture of TD—Ni, 21:26905
- HAM, W. T. Jr. Comparative effects of ionizing radiation and aging on the mammalian lens of the eye, 21:32778
  - Effects of laser radiation on the mammalian eye, 21:16515
  - Some biological effects of laser radiation, 24:19363
- HAM, William T. Jr. Equilibrium thermal model for retinal injury, 23:45931
  - Eye problem in laser safety, 24:21317
  - Laser effects on the eye, 23:22401
  - Laser radiation protection, 23:14174
  - Loss of light energy in retina and choroid, 21:8717
  - Ocular effects of laser radiation on mammals, 22:38420 (CONF-660573-, pp 5-18)
  - Optical masers (lasers), 21:12964
- HAMA, M. Catheter-type semiconductor radiation detector, 24:31699
  - Pion electromagnetic form factor in Veneziano-type representation, 24:37694
- HAMA, Masaharu Hematopoietic death and its prevention, 24:12286
- HAMA, Mitsuru One-particle-exchange contribution and two-body reaction at high energy, 23:39732
  - Phase shift analysis and real amplitude of high energy proton—proton elastic scattering, 21:17137
  - Reaction $\pi^+p \rightarrow \pi^0N^{*++}$ at high energy and correction to rho-exchange contribution, 25:12223
  - Unitarity at threshold and Veneziano-type form factors for mesons, 25:12172
- HAMA, Y. Energy variation of the slopes of elastic angular distributions and duality, 24:47457
  - Weak duality and energy dependence of the slopes of elastic angular distributions, 25:30873
- HAMA, Yoshiko Study of the reaction between metals and molten salts, 21:23876
- HAMA, Yoshimasa Electron spin resonance of irradiated polycarbonate, 24:31370
  - ESR studies of polycarbonate irradiated by γrays and ultraviolet light, 24:22690
- HAMADA, Gerald H. Methods of assessing fallout, 21:14154
- HAMADA, H. Optimum burn-up management and its method for fuel in a reactor, 24:31085
- HAMADA, Hiroya Irradiation capsule for a reactor, 23:507
- HAMADA, K. Process analysis in a chemical plant by means of radioactive tracers, 22:14710
  - Raman spectra of chlorofluorosilanes in gaseous, liquid, and solid state; anomalous ^{35}Cl, ^{37}Cl isotope intensity effects in splitting of totally symmetrical SiCl stretching mode in $SiCl_3F$ and $SiCl_2F_2$, 25:26218
- HAMADA, Katsuhiro Studies on the effects of various surgical stresses in mice exposed to ionizing radiations simulating nuclear detonation, 25:16357
- HAMADA, Kazutaka Distribution of ^{137}Cs in pregnant animals and embryos, 25:16024
- HAMADA, Kunio Construction of the primary containment vessel, 23:28364
  - Device for preventing the quaking of a reactor core, 22:14343
  - Jet force strength of reactor containment vessels, 25:54304
  - Stress analysis for drywell of reactor primary containment vessel, 23:2140
  - Stress analysis for reactor pressure vessel, 23:24361
  - Stress analysis of tapered transition joint in reactor pressure vessel, 21:26810
  - Support for a high-temperature and high-pressure vessel, 21:1499
  - Support for a reactor pressure vessel, 22:10097
- HAMADA, M. Food preservative and gamma radiation treatment of whale and horse mackerel flesh, 24:2860
- HAMADA, Masayuki TC in acidic media, 25:10546
- HAMADA, Michio Method for radiation-copolymerization of formaldehyde and isocyanic acid, 21:4577
  - Method for radiation-copolymerization of isocyanic acid and ketene, 21:4580
  - Method for radiation-polymerization of isocyanic acid, 21:4578
- HAMADA, Minoru Curved isospin space with torsion and pion—nucleon interactions, 24:40408
- HAMADA, Naoto Studies on removal of radioactive mist by plate column, 21:25952
- HAMADA, S. Determination of free thyroxine in human serum, 23:45230
- HAMADA, Satoshi Determination of protein-bound I in sera by neutron activation analysis, 21:32096
- HAMADA, Shigeo Collision of two plasma streams, 22:52820
  - End stabilization effect in the slow theta pinch, 22:1264 (LA-3770, Paper A7)
  - End stabilization effect in the slow theta pinch, 22:7331
  - Expansion and thermalization of plasma in a non-uniform magnetic channel, 22:41616
  - Stability of a plasma with loss from the ends of an axially symmetric magnetic bottle, 23:25379
- HAMADA, T. Water vapor counter for tritium measurements, 21:30724
- HAMADA, Takeo Some properties of tungsten—rhenium alloys, 25:13682
- HAMADA, Tatsuji Analysis of tritium in natural water. II, 24:9251
  - Enrichment procedure for analysis of tritium in natural water, 22:42831
  - Tritium concentration in wine, rain, and ground water, 24:9252
  - Water-vapour counter for the measurement of tritiated water, 22:36075
- HAMADA, Tatsumi Effects of mitomycin C and x-irradiation on colony-forming ability of mammalian cells, 23:20413
  - Induction of gastric ulcer in rabbits by irradiation under laparotomy, 23:16400
- HAMADA, Tetsuo Electron—positron exchange energy and positron effective mass in an electron gas, 21:6987
  - Specific heat of a relativistic degenerate electron gas, 21:5336
- HAMADA, Tohru Intracavitary electron beams therapy for the primary lesion of cervical cancer, 21:22527
- HAMADA, Yasuji Intense oscillations in the plasma heating by the large electric field, 25:36237
  - Measurement of fluctuation level in turbulent flow heating, 25:1165
  - Optical measurement of the fluctuation level in a turbulent plasma, 24:40053

HAMADA, Yasuzi Toroidal turbulent heating in plasma betatron, 23:42229
HAMAGUCHI, H. Abundances of As, Sn, and Sb in chondritic meteorites, 23:21673
Use of a Ge(Li) detector in activation analysis of rock samples. IV, 24:143
HAMAGUCHI, Hiroshi Activation analysis of rocks for strontium and barium, 24:11497
Determination of indium in rocks by neutron activation analysis, 22:4036
Determination of rare-earth elements in rock samples by neutron activation analysis with a lithium-drifted germanium detector after chemical group-separation, 22:25286
Determination of Sr and Ba by neutron activation analysis, 23:17384
Isotopic exchange chromatographic separation applied to ^{89}Sr and ^{90}Y mixture, 21:1302
Positron annihilation in radiation-induced solid-state polymerization, 21:42970
Rapid determination of dysprosium in rock by neutron activation analysis, 22:44986
Rare earth abundances in several geochemical standard rocks, 24:48174
Recent developments in the activation analysis in Japan, 24:31279
Simultaneous determination of rubidium and cesium in rock samples by neutron activation, 23:6068
Studies on adsorption of radioisotopes on marine sediments. I, 22:21222
HAMAGUCHI, Shun-ichi Management of radioactive effluents from nuclear power station currently under operation in Japan and environmental monitoring, 25:51745 (A/CONF.49/P-253)
Operation of No. 1 plant in Mihama Nuclear Power Station, 25:46181
Outline of plant facilities and construction particulars of Mihama nuclear power plant, 25:48145
Plan for Takahama Nuclear Power Station, 25:20566
Trial of No. 1 plant in Mihama nuclear power station, 25:59927
HAMAGUCHI, Sunichi Mihama atomic power station and its construction, 23:28373
HAMAGUCHI, Y. Critical magnetic scattering of neutrons in chromium, 22:24814
Experimental results of the magnetic critical scattering of neutrons, 21:17267 (JAERI-1113, pp 122-6)
X-ray study on a phase transition of U_4O_9, 21:28844
HAMAGUCHI, Yoshikazu JAERI pulsed type neutron spectrometer, 25:42107 (JAERI-13771)
X-ray and neutron diffraction study on phase transition in U_4O_9 phase, 25:24656
HAMAI, Masanao Focusing lens for electromagnetic waves, 21:20937
HAMAKAWA, Masashi Ducted propagation of hydromagnetic whistlers in the magnetosphere, 23:42093
HAMAMOTO, I. Decay scheme of the septuplet in ^{209}Bi, 24:43416
Effect of Pauli principle on electric quadrupole effective charge, 22:30099
HAMAMOTO, Ikuko Corrections to rotational spectra in odd-A nuclei, 23:19290
Decay scheme of the septuplet in the nucleus ^{209}Bi, 23:52166
Doublet in ^{207}Pb and ^{207}Tl, 25:10033
Nuclear octupole vibrations in the isotopes of Pb, 25:10043
Particle—vibration coupling in nuclei ^{209}Bi and ^{209}Pb, 23:19316
Particle-vibrational states in ^{209}Pb, ^{209}Bi, ^{207}Pb, and ^{207}Tl, 24:13315
Projected wave function from Nilsson model in ^{19}F, 22:26837
HAMAMOTO, K. Determination of free thyroxine in human serum, 23:45230
HAMAMOTO, Ken Determination of protein-bound I in sera by neutron activation analysis, 21:32096
Determination of vascular status of pedicle skin flaps, 24:14387
Positive scintiphotography of cancer of the liver with ^{67}Ga citrate, 25:58045
Regional cerebral blood flow measurement with ^{133}Xe and the scinticamera, 25:49235
Retention of radiocopper in Wilson's disease, 23:33779
Scintillation camera-1600 channel analyzer, 24:32248
Sequential brain imaging as an aid in understanding disease etiology, 25:35174
Serial brain scanning with /sup 99m/Tc, 23:50667
Serial brain scanning with radioactive xenon and scintillation camera, 24:48611
Studies on liver function test with ^{131}I BSP monoiodide and scinticamera, 25:58042
Whole body counter at Kyoto University, 21:45707
HAMAMOTO, Shinji Possibility of "complex unitary spins" and an extended particle model, 22:20292
HAMAMSY, A. Possibilities of introducing and integrating nuclear power in United Arab Republic power system, 25:54015 (A/CONF.49/P-137)
HAMAMURA, Shiro Simultaneous measurement of electron densities and of temperatures in the plasma accompanied by moving striations, 24:37438
HAMANAKA, Kiyoshi Measurement of the absorbed energy by a compensation type calorimeter, 22:19214
HAMANAKA, Mikiko Graft copolymerization of acrylamide onto preirradiated cotton fabrics, 24:16562
HAMANG, M. Technical study of a superconducting quadrupolar coil, 25:38511 (EUR-CEA-FC-580)
HAMANN, D. R. Investigation of Kondo alloys and compound by the superconductive proximity effect, 25:27662
HAMANN, H. J. Biological action of fast neutrons, 24:17168
HAMANO, Michio Hot laboratory facilities. I, 25:6524
HAMANO, Yoshiteru Hot-pressing of zirconium diboride—molybdenum disilicide mixtures, 24:44803
HAMAOKA, T. Antibody production in mice. I, 24:2591
HAMARD, J. Distribution of dose from neutrons in wet tissue as function of LET, 25:49182
HAMARD, Jean Dose distribution of primary neutron collision in tissue as a function of linear energy transfer, 24:48539 (CEA-CONF-1554)
Maximum admissible concentration of ^{222}Rn in air, 23:38610 (LIB/Trans-202)
Maximum permissible concentration of ^{222}Rn in air, 23:12060 (CEA-R-3583)
HAMASAKI, S. Ion cyclotron instability of mirror-confined plasmas, 24:12841
HAMASAKI, Seishi Calculation of intensity and resolution for fixed scattering angle and fixed wavelength double axis powder crystal neutron diffractometers, 22:10669
Electromagnetic microinstabilities of plasmas in a uniform magnetic induction, 23:12878
Self-consistent calculation of an explosive instability, 25:40667
Stability of electromagnetic waves propagating perpendicular to a uniform magnetic induction, 22:31849
HAMATOVA, E. Effects of chronic irradiation of peas with gamma rays on the formation of nodules, 21:20435
Influence of chronic gamma-irradiation on nodulating soya, 24:51099
HAMATSU, R. Experimental method of radiative correction in coincidence measurement of inelastic electron scattering, 25:49011
Measurement of $\gamma p\Delta(1236)$, 24:30432
Measurement of $\gamma p\Delta(1236)$-vertex form factors, 24:35596
Pneumatic expansion system of the 75 cm hydrogen bubble chamber, 25:44686 (SJC-T-71-2)
HAMAWI, John N. Useful recurrence formula for the equations of radioactive decay, 25:39129
HAMBERGER, A. Subcellular distribution of radioactivity in neuronal and glial-enriched fractions after incorporation of [^{3}H]leucine in vivo and in vitro, 25:55119
HAMBERGER, Anders Effect of x-irradiation on respiration and protein synthesis in neuronal and neuroglia cell fractions, 24:31848
Quantitative response of neurons to x irradiation, 21:39359
Radiosensitivity of single cells in nervous tissue, 24:5999
HAMBERGER, S. M. Dependence of anomalous conductivity of plasma on the turbulent spectrum, 24:51673
Electrical conductivity of a highly turbulent plasma, 22:46179
Experiments on plasma heating by the dissipation of current driven turbulence, 25:38343 (CONF-710607-51)
Ion heating in a turbulent plasma, 21:37411
Neutral-point region in Petschek's model of magnetic-field annihilation, 22:29000
Plasma turbulence in solar flares, 23:39236
Possible proton origin for type V continuum radiation from solar flare, 23:46209
HAMBLEN, David Gordon Critical magnetic field curves of superconducting Mo and Cd above 0.03°K, 25:5057
HAMBLET, F. E. Survival of uv-irradiated poliovirus in flowing turbid seawater, 21:28702
HAMBLET, Frederick E. Ultraviolet devitalization of eight selected enteric viruses in estuarine water, 24:34789
HAMBLETON, J. Radiostrontium absorption in man: suppression by calcium and by sodium alginate, 22:28612
HAMBLING, P. G. Safety attachments for x-ray diffraction apparatus, 21:22187 (AWRE-O-102/66)
Stabilization of Pu β phase in Pu—Ti alloys, 25:2739
HAMBLY, A. N. Reaction of uranium oxides with alkali halides, 22:40089
Solvolysis of sulphonyl halides. VI, 25:10536
HAMBOURGER, P. D. Weak ferromagnetism in antiferromagnetic UO_2, 21:32985
HAMBRIDGE, B. J. Determination of nitrogen in titanium carbide, 23:2172 (AERE-AM-108)
HAMBRIGHT, Peter Prog. rpt. on kinetic, magnetic, and Moessbauer studies on porphyrin systems, annual, 4/15/69—4/14/70, 25:18314 (TID-25652)
HAMBRIGHT, W. P. Magnetic susceptibility of biological materials, 25:6646
HAMBRO, L. Multiple scattering expansions for nonrelativistic three-body collision problems. II, 25:24899
HAMBRO, Lars Hyperfine structure of 2^3P level in ^{3}He, 22:50031
Multiple-scattering expansions for nonrelativistic three-body collision problems. IV, 25:55867
Second-order corrections to the fine-structure of helium, 24:8323 (UCRL-19328)
HAMBURG, F. W. Development of vibro-compacted fuel elements with UO_2 fuel prepared by sol-gel process and by electrodeposition, 25:52418 (A/CONF.49/P-26)
HAMBURG, Fokko W. Method for preparing an oxidic fissile material containing a metal boride as burnable poison, 24:42212
HAMBURG, G. Voids in V, Nb, and Mo by fast neutron irradiation at high temperatures, 25:29914
HAMBURGER, C. Joseph Effect of nitrobenzene in the styrene—cellulose acetate graft polymerization system, 23:35147
HAMBURGER, Charles Joseph Effect of chain growth retardation in the graft polymerization of styrene onto cellulose acetate, 22:14551
HAMBURGER, E. W. Deuteron-induced reactions on ^{16}O, 22:37293
Direct—compound interference at an isobaric analog resonance in deuteron stripping, 21:31849
Energy levels of ^{113}Sn and ^{123}Sn, 24:43425
Isobaric analog resonances in the scattering of protons by ^{114}Cd, 21:46762
Isobaric analog states in ^{116}Sn, ^{122}Sn, and ^{124}Sn, 22:20628
Photodeuteron yields. II, 21:19213
Search for isobaric analogue resonances induced by deuterons, 21:25525
Study of inelastic scattering of protons from ^{116}Sn, ^{122}Sn, and ^{124}Sn at isobaric analog resonances, 21:44702
HAMBURGER, Ernst W. Isobaric analog resonances in a deuteron stripping reaction, 22:20634
HAMBURGER, Hermann Beam tube for a research reactor, 21:5699
HAMBURGER, J. Conference on advance in transplantation, Paris, 1967, 23:47991
HAMBURGER, J. L. Contribution of suppression scanning to evaluation of thyroid nodules for cancer, 24:34488
HAMBURGER, Joel I. Diuretic augmentation of ^{131}I uptake, 23:35822
Management of thyroid problems in the geriatric patient, 21:28542
Mannitol augmentation of ^{131}I uptake in treatment of thyroid carcinoma, 21:22502
Radioiodine therapy for toxic nodular goiter, 21:24507
When and how to use higher ^{131}I doses for hyperthyroidism, 23:26858
HAMBURGER, Richard Plowshare program, 24:22836 (SWRHL-82, pp 9-20)
Safety with nuclear explosives, 22:10421
State of mineral extraction projects using nuclear explosives, 24:44159
HAMBY, K. O. Distribution and redistribution of airborne particulates from the Schooner cratering event, 25:10716 (UCRL-72534)
HAMBY, Keith O. Ge(Li) γ-ray spectrometers of high sensitivity and resolution for biological and environmental counting, 22:37999 (UCRL-50437)
Radionuclides in surface air at Livermore, California, 25:49178 (UCRL-51069)
HAMBY, William M. Renograms compared with urograms, arteriograms, and function studies, 24:12161
HAMDAN, M. A. Energy loss of cosmic ray muons in range 5 to 40 GeV/c, 25:49770
HAMDI, K. Energy dependence of charge exchange reactions favourably used in Lambshift type ion sources, 25:17610 (KFK-1265)
Karlsruhe polarized ion source, 25:17609 (KFK-1262)
Production of polarized deuterium ions with a Lamb-shift source, 25:33080 (KFK-1256)
Production of polarized deuteron beam from hydrogen atoms in metastable ^{2}S/sub 1/2/ condition, 23:48699 (KFK-962)
HAMDY, M. K. Effect of gamma irradiation and radioprotectors on AP and ATPase, 24:5995
Effects of cysteine and 4-amino-1-naphthol on solutions of lysosomal enzymes exposed radiation, 23:24512
HAMDY, S. Effect of gamma radiation on bacterial nodules formation of peas, 24:51095
HAMEAU, P. Analytical chain, 23:17818 (CEA-CONF-1157)
Pulse analyzer system with high resolution at high counting rates, 23:47904
HAMEED, S. Difficulties of the independent-particle model in the description of energetic transitions in atoms, 23:14623
Perturbation calculation of atomic polarizabilities, 25:43117
HAMEED, Sultan Orbital approximation to spatial eigenfunctions of many-electron Hamiltonian, 23:39339
HAMEEN-ANITILA, K. A. Relativistic theory of supermassive stars, 21:41736
HAMEEN-ANTTILA, K. A. Gravitational redshift and quasi-stellar objects, 22:38672
Mean spectrum and absolute magnitude of quasi-stellar objects, 22:903
Radiative transfer in relativistic medium, 22:13610
HAMEKA, H. F. Green functions in atomic and molecular calculations. I, 22:5133
Use of Green functions in atomic and molecular calculations. VI, 23:41940
HAMEKA, Hendrik F. Double-photon contributions to multiple-photon processes, 21:5368
Introduction to quantum theory, 22:15658
Use of Green functions in atomic and molecular calculations. III, 22:50016
Use of Green functions in atomic and molecular calculations. II, 22:50015
Use of Green functions in atomic and molecular calculations. IV, 22:50017
HAMEL, Alfred Radiation isoexposure curves about a dental chair during radiography, 23:20248
HAMEL, Gerard J. Prog. rpt. on fallout contamination from surface runoff, final, 11/6/65—6/10/66, 21:41387 (AD-649533)
HAMEL, H. J. Influence of doping additions on sintering behavior of W powders, 24:27742
HAMEL, H.-J. Residual resistance of tungsten wires for luminous bodies in relation to annealing and electrolytic erosion, 23:12326
HAMEL, J. L. Measurements of differential cross sections for π^{+-} + p at 410 and 490 MeV in forward direction, 21:37715
Search for a boson resonance of mass 960 MeV, 21:44289
Search for an I = 5/2 isobar at 1.9 GeV/c incident momentum in reaction $\pi^+p \to \pi^-N^{*+++}$, 24:12952
Search for the resonance delta$^+$, of mass 960 MeV in the reaction $p+p \to d$ + delta$^+$, 22:5504
Study of reaction $\pi^-p \to \pi^+\pi^-n$ at incident energy of 870 MeV, 22:20265
HAMEL, P. Cooling for exhalation measurements using Peltier's method, 23:35557
Ventilating systems and devices for laboratories and working rooms where unsealed radioactive material is handled, 24:50506
HAMELIN, J. Magnetic installations used in nuclear physics, 24:47186
HAMER, A. N. A 1 inch sodium technology test loop of advanced design, 25:48697 (TRG-Report-2158)
Experience with impurities in a large sodium circuit, 21:30389

  Fast-neutron monitor utilizing helium production in beryllium, 21:19967
  Sodium test rigs for PFR components, 24:52751
  Study of non-metallic impurities in sodium by amalgamation coupled with mass spectrometry, 21:25772 (TRG-Report-1227)
HAMER, C. J. Eikonal Regge fits to small-angle elastic scattering data, 25:9755
  Eikonal Regge model for elastic scattering processes, 25:9776
  Helical waveguides for heavy particle linacs, 25:33943
HAMERDINGER, R. Prog. rpt. on thermionic research and development program, 10/68, 23:6902 (NP-17700)
  Prog. rpt. on thermionic research and development program, 7/68, 23:16689 (N-68-31488)
  Prog. rpt. on thermionic research, 7/12/68, 22:50068 (NP-17604)
HAMERDINGER, R. W. Prog. rpt. on thermionic converter, 11/13/65—2/13/66, 21:647 (N-66-23680)
  Prog. rpt. on thermionic research and development, 2/3/69, 23:22961 (NP-17774)
HAMERDINGER, Randy Prog. rpt. on development of thermionic converters, 7/15/69, 23:42012 (EOS-4018-Q-2)
  Prog. rpt. on development of thermionic converters, 7/15/69, 24:3213 (N-69-33447)
  Prog. rpt. on development of thermionic converters, final, 10/70, 25:45324 (N-71-12277)
HAMERSKI, W. Corneal lesions induced with ultraviolet radiation, 24:36816
HAMERSKI, Wlodzimierz Experimental corneal trauma by ultraviolet, 24:41769
  Experimental photophthalmia, 24:41983
HAMERSKY, M. Transient creep of Cd single crystals at room temperature, 25:11412
HAMESCH, M. Incorporation of solid fission products in spherical nuclear fuel model particles by a sol-gel method, 25:22146
HAMESCH, Muwaffak Investigation and preparation of spherical doped UO_2 fuel particles, 25:58347 (JUL-730-RW)
HAMID, A. Retention of ^{131}I used as tracer in water-movement studies, 22:2196
HAMID, M. A. Histological analysis of the buds of potato tubers treated with gamma radiations to inhibit sprouting, 21:45845
  Irradiation of potatoes in Pakistan, 21:32815
  Irradiation of potatoes in Pakistan, 22:43507
  Irradiation preservation and disinfestation of certain tropical fruits, 23:38902 (AECD/RB-9)
  Microbiological damage in irradiated bananas, 24:29903
  Pressure measurements in model fuel bundles, 24:11195
  Problems associated with preservation of stored rice in Pakistan, 21:24692 (AECD/RB-5)
HAMID, Mohamed Khairi Evaluation of ^{131}I labelled Hippuran in diagnosis of renal disease, 25:11210
HAMID, Muhammad Abdul Sterilization of surgical catguts by gamma radiation, 24:34815
HAMID, S. A. Electron irradiation and trapping centres in zinc sulphide single crystals, 24:45332
HAMIL, David A. Electric power philosophy for the 1970s, 25:18038
HAMIL, H. F. Irradiation-grafted polymeric films. I. Preparation and properties of acrylic acid-grafted polyethylene films, 25:23604
HAMILL, Dennis W. Coincidence Moessbauer spectroscopy, 25:56367
  Coincidence-Moessbauer spectroscopy, 22:50248
HAMILL, J. Radiation dose to the patient in cardiac radiology, 24:48634
HAMILL, W. H. Evidence for very early ionic effects in water radiolysis, 25:2274
HAMILL, William H. Charge-transfer complexes as radiolytic products, 23:35246
  Chemical effects in thin films of 1-hexene at 77°K due to low-energy electron impact, 24:27154
  Discrete changes in solvation of trapped electrons in rigid mixtures, 24:240
  Electrons in aqueous and organic media and a model for radiolysis, 22:48882
  Energy loss spectra of low-energy electrons scattered from thin solid molecular films, 25:52891
  Evidence for the dry charge pair in the radiolysis of water, 24:33741
  Evidence for very early effects in the radiolysis of water, 25:2267
  Evidence for very early ionic events in the radiolysis of ethanol, 24:38965
  Fluorescence and phosphorescence produced by electron-ion recombination in 3-methylpentane at 77°K, 25:134
  Intermediates in γ-irradiated solutions of CCl_4, 23:37937
  Ion—molecule reactions in the radiolysis of organic liquids, 21:42969
  Ionic processes in γ-irradiated organic solids at -196°, 22:30608
  Model for the radiolysis of water, 23:33211
  Molecular ions. VI, 21:5934
  Molecular ions. VII, 21:5948
  Positive charge migration in γ-irradiated organic solids, 23:300
  Positive ions of γ-irradiated hydrocarbons, 24:20813
  Resolution of structure in trapped-electron spectra, 24:38981
  Spectroscopic evidence for ionic processes of γ-irradiated alkyl iodides at -196°, 23:9476
  Viscosity-dependent ion recombination luminescence in organic liquids and solids from electron and gamma irradiation, 23:7568
HAMILTON, A. E. Gamma dose military specification failures during testing of silicon transistors, 23:17884
HAMILTON, C. A. Experimental demonstration of Riedel peak, 25:19602
  rf-induced effects in superconducting tunnel junctions, 25:11827
  Two-frequency multipole processes in superconducting tunnel junctions, 24:40025
HAMILTON, C. C. Nuclear data acquisition with a large 2nd generation computer, 24:52335
  Programmable data acquisition interface, 25:59665
HAMILTON, C. J. Heavy metal buildup in the HTGR, 25:41450
HAMILTON, D. Experimental investigations of P- and T-violations, 24:52696
HAMILTON, David Power from the fast breeder, 25:60029
HAMILTON, Donald R. Atomic beams at Princeton: highlights, 21:26973 (PUC-937-257)
HAMILTON, E. I. Concentration and distribution of Pb in materials, 25:54452
  Concentration of uranium in air from contrasted natural environments, 24:48189
  Isotopic composition of Sr in Atlantic Ocean water, 21:6092
  Loss of ^{210}Po on dry ashing rat tissues in muffle furnace, 22:25263
  Radiometric dating for geologists, 22:48934
  Radiometric dating for geologists, 23:24307
  Registration of charged particles in solids, 22:16883
  Relative radioactivity of building materials, 25:47192
  Uranium content of normal blood, 24:48534
HAMILTON, G. N. Westinghouse reactor operator training manual, 24:28892 (WCAP-2713(Rev.))
HAMILTON, G. W. High current density 600 keV multimomentum accelerator, 24:38016
  Multimomentum 650-mA ion source, 23:3495
  Plasma production by neutral beam injection in mirror systems, 25:38451 (CONF-710607-98)
HAMILTON, Gordon W. Conditions for Landau damping and wave reflections in open-ended magnetic well plasmas, 25:7425 (UCRL-50900)
  Intense 1-kV ion source for controlled fusion research, 25:56217 (UCRL-73387)
  Ion source technology, 25:55814 (UCRL-73353)
HAMILTON, H. A. Contamination control in high vacuum processing, 22:21304 (GEPP-21)
  Effect of gamma irradiation on peaches, 23:8100
HAMILTON, H. B. Aberrant karyotypes and spontaneous abortion in a Japanese family, 24:32141
  Biological implications of cytogenetic studies of A-bomb survivors, 24:34565
HAMILTON, H. E. Postirradiation creatinuria in Macaca mulatta primates, 21:24535 (AD-638622)
HAMILTON, Horace E. Prog. rpt. on selection of radiation-resistant animals, 2/66—10/67, 23:38766 (AD-686733)
  Radioprotection of rodents with papain, 23:41344 (AD-688374)
  Stress response as a predictor of radiosensitivity in primates, 23:31900 (AD-682285)
HAMILTON, Howard B. Down's syndrome in Hiroshima and Nagasaki, 23:6550
  Hemoglobin Hiroshima (β^{143} histidine $\rightarrow$ aspartic acid), 23:50804
  Relationship of lactic dehydrogenase isozymes to the metabolism of cultured human leukocytes, 23:4485 (ABCC-TR-7-66)
  Thyroid carcinoma in atomic bomb survivors, 23:29710
  Thyroid carcinoma in atomic bomb survivors, Hiroshima and Nagasaki, 24:816 (ABCC-TR-4-68)
HAMILTON, J. Dynamics of elementary particles and the pion—nucleon interaction, 21:18969 (NP-16640)
  Dynamics of elementary particles and pion—nucleon interaction, Course B, 23:1606
  Dynamics of the π—N system, 21:15340
  New methods in analysis of π—N scattering, 25:41019
  Pion—nucleon interactions, 22:3427
  Pion—nucleon interactions, 22:3446
  Pion—nucleon scattering theory, 25:56496 (CERN-71-14, pp 101-54)
  Prediction of S-wave pion—nucleon scattering. I, 25:33753
  Prediction of S-wave pion—nucleon scattering. II, 25:33752
  Zero mass pions and pion—nucleon scattering, 22:20250
  Zero mass pions, 21:27369
  Zero mass pions, 24:20167
HAMILTON, J. D. Helium utilization on Dragon during approach to power and first charge irradiation, 25:3861 (DP-Report-552)
  Limitation of the use of inert gases in the measurement of small gut mucosal blood flow, 22:51678
HAMILTON, J. F. Evaluation of natural frequencies of combined simple systems, 23:13608 (UCRL-50513)
HAMILTON, J. H. 2+ and 4+ members of the beta and gamma vibrational bands in ^{154}Gd, 24:43355
  810.6—863.6-keV $\gamma\gamma$ directional correlation in ^{56}Fe, 25:45965
  Accurate gamma-ray energy measurements in the decays of ^{207}Bi, ^{208}Tl, and ^{212}Bi, 23:23702
  Band mixing in ^{152}Sm and ^{154}Gd, 22:5859
  Beta- and γ-vibrational bands of ^{152}Sm and ^{154}Gd, 23:31044
  Beta—gamma band mixing in ^{152}Sm, 25:28430
  Beta-gamma circular polarization correlation in the decay of ^{48}V, 22:7682
  Conversion electron measurements in decay of ^{160}Tb, 25:20472
  Conversion-electron particle parameters of E2 transitions in rare-earth nuclei, 22:42055
  Decay characteristics of two 3^- states in ^{88}Sr, 23:21325
  Decay of ^{106}Ag, 25:31382
  Decay of ^{160}Tb to levels in ^{160}Dy, 23:1895
  Decay of ^{56}Mn, 25:56710
  Decay of ^{72}As to the levels of ^{72}Ge, 25:31261
  Decay of ^{74}As, 23:40025
  Decay of ^{99}Mo, 23:5914
  Decay of /sup 110m/Ag: gamma-ray energy and intensity standardization, 23:15472
  Decays of ^{95}Zr and ^{95}Nb, 24:15909
  E0 admixtures in $\Delta I = 0$ transitions between $K = 0$ vibrational and rotational, 22:20651
  Electron spectroscopy studies of the decay of ^{154}Eu, 22:53172
  Energy levels in ^{154}Gd, 25:50759
  Evidence for a 0^+ state in ^{68}Zn populated by ^{68}Ga, 22:53146
  Evidence for a new 0^+ level in ^{154}Gd, 22:53171
  Evidence for a two-phonon octupole vibrational band in ^{240}Pu, 24:45789
  Experimental values of internal-conversion coefficients of nuclear transitions: total and K-shell coefficients and L-subshell coefficient ratios, 21:10045
  Further test of M1 admixtures in the decay of $2^{+\prime}$ beta vibrational states, 23:11011
  Gamma-ray energy measurements of transitions from the first and second excited levels of ^{56}Fe, 24:6845 (CONF-690818-7)
  Graphs for analysis of (1-3) gamma—gamma directional correlations, 25:31312 (ORNL-4619)
  High-resolution electron and gamma-ray and conversion-coefficient measurements in ^{132}Xe, 24:24591
  Hindrance factors of allowed $1^+ \rightarrow 0^+$ decays in even—even nuclei with $A = 66$ to 80, 24:13332
  K-conversion coefficients of transitions in ^{87}Sr, 24:49836
  L and M subshell ratios of 43.5-keV E2 transition in ^{234}U, 23:19297
  Level structure of ^{132}Xe, 24:24592
  Levels in ^{72}Ge populated by ^{72}Ga, 25:31260
  M1 admixtures in transitions from the 3 /sub γ/$^+$ and 4/sub γ/$^+$ levels in ^{154}Gd, 24:8894
  Monopole matrix elements for E0 transitions in ^{152}Sm and ^{154}Gd, 22:27186
  Multipole admixtures of transitions from β, γ, and octupole vibrational states in ^{154}Gd, 25:36742
  Note on an error in a table of theoretical coefficients for gamma—gamma directional correlations, 23:28350
  Note on the β-circularly polarized γ angular correlations in the decays of ^{46}Sc and ^{60}Co, 23:7288
  Population of 2.37-MeV 0 + level in ^{68}Zn by ^{68}Cu, 23:30976
  Precision gamma-ray energy measurements, 21:9961
  Properties of levels in ^{132}Ba and ^{132}Xe populated by ^{132}Cs, 22:42079
  Properties of the β- and γ-vibrational bands in ^{152}Sm and ^{154}Gd, 23:44906
  Retardation of allowed beta decays to excited 0^+ states in even—even nuclei, 24:43213
  Search for an M1 admixture in $2+' \rightarrow 2+$, $\Delta K = 0$ transition in ^{154}Gd, 22:27187
  Search for members of the two-phonon triplets in ^{76}Se and ^{80}Kr, 21:31757
  Si(Li) detector system for conversion coefficient measurements, 24:48315
  Simple automatic angular correlation system, 21:17883
  Studies of the radioactive decays of ^{152}Eu and ^{154}Eu, 25:7879
  Systematics of $K\pi = 0$- and 1-octupole bands in transitional nuclei, 24:43354
  Test of M subshell conversion coefficients at threshold energies, 21:5518
  Test of M1-E2 mixing in decay of $2^{+\prime}$ beta vibrational states, 22:7709
  Values log ft of allowed decays from ^{114}In, 23:23693
  Weakly populated states in decay of ^{51}Cr, 23:46954
  Zero spin for the 1482.6-keV level in ^{74}Ge, 24:43209
HAMILTON, J. R. Effects of acute ionizing radiation on xylem fibers of Quercus alba and Liquidambar styraciflua, 23:45956
  Effects of ionizing irradiation on the xylem derivatives of Pinus echinata Mill, 24:48737 (TID-25486)
  Prog. rpt. on characteristics of xylem tissues exposed to ionizing radiation, annual, 5/66—4/67, 21:22775 (ORO-3400-2)
HAMILTON, John Sealing ring assemblies, 23:7669
HAMILTON, John F. Jr. Path integrals and product integrals, 25:33480
HAMILTON, John R. Prog. rpt. on characteristics of xylem tissues exposed to ionizing radiation, final, 5/70, 24:44622 (ORO-3400-5-a)
HAMILTON, John W. Simple method for contrast enhancement of radioisotope scans, 22:40762
HAMILTON, Katherine F. Mutation rate for sex-linked lethals, 22:43295
HAMILTON, L. Effect of x rays on chick development, 25:24404
HAMILTON, L. D. Synthesis of radioactive Trichinella spiralis larval antigen in vitro, 23:35675
HAMILTON, L. J. Prediction and measurement of acoustic wave propagation in two-phase media, 25:6079
  Propagation of acoustic waves in two-phase, two-component media, 24:5800
  Propagation of rarefaction waves through two-phase, two-component media, 22:33182
  Propagation of shock waves through two-phase, two-component media, 22:4325
  Viscous damping of pulsed reactor fuel elements, 25:6123
HAMILTON, Louie Changes in survival after x-irradiation of Xenopus embryos, 23:16414
HAMILTON, Louis James Propagation of pressure waves in two-phase media, 23:50031
HAMILTON, M. Heating effects on gamma irradiated soils, 23:40860
  Influence of minerals on ^{90}Sr and ^{137}Cs uptake by bean plants, 22:30974
  Influence of soil heating on the growth and elemental composition of bean plants, 23:43661 (UCLA-12-731)
  Influence of temperature during gamma irradiation thermoluminescence of soils and LiF and CaF_2 dosimeters, 24:36627 (UCLA-12-781)
  Influence of temperature during the gamma irradiation period on the subsequent thermoluminescence of soils and LiF and CaF_2 dosimeters, 25:39599
  Spurious thermoluminescence of soils, 24:4375 (UCLA-12-757)
  Thermoluminescent characteristics of gamma irradiated soils, 22:44261

HAMILTON, M. A. Radiosensitivity of in vivo mouse bone marrow cells, 25:52215
HAMILTON, Margaret D. Dose gradient vectors in 4 MV x-ray treatment planning, 23:9954
HAMILTON, Maureen Atomic absorption spectrophotometric determination of molybdenum in fertilizers, 25:57306
HAMILTON, P. A. Comparison of pulse shapes of pulsars at different frequencies, 24:27981
Ionized hydrogen in the plane of the galaxy, 21:572
Observations of 11 radio sources, 22:47733
Observations of 31 radio sources between 40 and 130 MHz, 22:15295
Observations of the southern sky at 10.02 MHz, 23:6822
Pulse broadening of PSR 0833-45 by interstellar scattering, 24:51313
Source flux densities at 153 MHz, 22:7077
Spectra fine structure in pulsar radiation, 23:1102
Synchrotron emission from the Galaxy and diffuse x-ray background, 24:10332
HAMILTON, P. B. Carbon compounds in Apollo 11 lunar samples, 24:25946
HAMILTON, R. A. Influence of radioactive fallout on the atmospheric potential gradient, 21:41030
HAMILTON, R. M. Aftershocks of the Benham nuclear explosion, 24:20917
Earthquakes, surface fracturing, and strain associated with underground nuclear explosions at Yucca Flat, 25:6442 (USGS-474-94)
Seismic activity and faulting associated with a large underground nuclear explosion, 24:2328
Seismic activity in Pahute Mesa area, NTS, 24:22804 (USGS-474-58)
Seismicity of the Central Nevada Test Area, 26 September 1969—1 October 1970, 25:44462 (USGS-474-109)
HAMILTON, R. W. Hazards of total cystectomy after supervoltage irradiation of the bladder, 21:12957
HAMILTON, Robert H. Incorporation of ^{32}P orthophosphate into the phospholipids of elongating Avena coleoptiles, 22:19263
HAMILTON, Ronald D. Ophthalmopathy of Graves' disease, 22:49625
HAMILTON, Stephen Graham Electron—proton scattering by quantum electrodynamics, 24:20102
HAMILTON, W. C. Proposed report of international union of crystallography, 22:41640 (BNL-12559)
HAMILTON, W. D. Angular correlation measurements in ^{192}Pt, 23:7320
Angular correlation method to test parity violation in ^{203}Tl, 24:28785
Asymmetry parameter measurements, 24:50557
Gamma-gamma linear polarization measurements, 22:14887
Geometry defining diaphragms on NaI crystals, 24:4459
Linear polarization of 279-keV transition in ^{203}Tl, 23:5876
Linear polarization of the 482-keV transition in ^{181}Ta, 21:23495
Low-energy levels of ^{211}Bi, 22:42052
Monopole mixing ratio of $2^{+} \to 2^{+}$ transition in ^{184}W, 25:17875
Multipole mixing ratio of $2'^{+} \to 2^{+}$ transitions in ^{194}Pt and ^{196}Pt, 24:3928
Muon capture probability in isotopes of bromine, 25:12502
Natural line width and energy shift of the K-mesonic transition in sulphur, 24:42884
Parity mixing in 482-keV state in ^{181}Ta, 23:19305
Parity violation in electromagnetic and strong interaction processes, 23:21141
Spin assignments and multipole mixing ratios in ^{211}Bi, 22:42053
Trend removal in counting experiments, 22:2356
HAMILTON, W. O. Mechanical oscillations induced by penetrating particles, 24:40484
Thermal expansion of epoxies between 2 and 300°K, 22:28250
HAMILTON, Walter C. Computers, chemists, and crystallography, 22:51287
Dynamics and structure in molecular crystals. I, 22:6193 (BNL-11836)
Structural chemistry in the nuclear age, 22:40073
HAMILTON, William O. Experiments on general relativity at liquid helium temperatures and in zero magnetic fields, 25:15877 (AD-713633)
General relativity experiments using low temperature techniques, 24:42860
HAMILTON J. H. Collective states in ^{178}Hf via Coulomb excitation, 25:34127
HAMISCH, H. Antiparallel weiss domains as biprisms for electron interference. II, 25:40793 (UCRL-Trans-1445)
HAMITER, F. R. Quasirotational levels in ^{152}Gd and excited levels of ^{152}Tb from the decay of 4.2-min /sup 152m/Tb, 25:34128
HAMITY, V. H. Segal's new quantum field theory. I, 21:21301
HAMITY, Victor H. Relativistic thermodynamics, 24:15115
HAMKALO, Barbara A. Effects of ultraviolet radiation on E. coli, 24:928
HAMKALO, Barbara Ann Effects of ultraviolet radiations on control of cell metabolism and synthesis in escherichia coli B, 23:12245 (TID-24874)
Effects of uv radiations on E. coli, 23:50949
HAMLET, I. L. University of Virginia superconducting wind-tunnel balance, 25:14216
HAMLET, Peter Optical bleaching of trapped electrons in γ-irradiated alkaline ice. Location of energy levels, 25:26298
Polymer production in γ radiolysis of methane in liquid argon, 23:9438
HAMLET, Peter L. Prog. rpt. on ESR studies on trapped species in irradiated solids, annual, 5/20/69, 23:42393 (COO-1807-1)
HAMLET, Peter Leon Inert and destructive species in radiation chemistry, 23:15894
HAMLIN, A. G. Hydrolysis of U double bond O groups in uranyl fluoride and the possible existence of other fluorooxides of U, 21:4507
Observation of the τ_4 band of UF$_6$ and determination of this gas by far infra-red spectroscopy, 24:41187
HAMLIN, L. D. TRACK II: computer program for transient thermal analysis of complex nuclear reactor systems, 23:38161 (CONF-690401-, pp 586-610)
HAMLIN, M. J. Velocity measurements in roughened annuli, 23:31473 (RD/B/N-1278)
HAMLING, B. H. Prog. rpt. on fissiochemical development, semiannual, 7—12/65, 21:10368 (AGN-8178)
HAMLING, Bernard H. Fissiochemical process and fuel, 24:46779
Neutron irradiation method of synthesizing ethylene glycol and formaldehyde, 22:40110
HAMLING, Bernard Henry Metal oxides, 23:24981
HAMLOW, H. P. Photochemical reactions. LIX. On the mechanism of the photodecarbonylation of β,γ-unsaturated aldehydes, 24:41301
HAMM, F. M. Airglow enhancements near the equator, 25:40500
HAMM, J. J. Very-high-density theta—pinch, 23:32382
HAMM, Lyla Properties of a temperature-sensitive radiation-sensitive mutant of E. coli, 23:22357
Properties of a temperature-sensitive, radiation-sensitive mutant of E. coli. II, 24:14467
HAMM, R. N. Determination of LET spectra. I, 24:14487
Electron flux spectra in Al, 22:8435 (CONF-670305-, pp 241-54)
Electron flux spectra in aluminum, 22:31616
Electron mean free paths in a free electron gas, 22:41295 (ORNL-TM-2072)
Optical properties of sodium in the vacuum ultraviolet, 21:26971 (ORNL-TM-1776)
Yield of luminescence from x-irradiated biochemicals, 22:12365
HAMM, R. W. Production of positive He ions using duoplasmatron, 25:1699
HAMMAD, A. M. Behavior of neutron-irradiated Ni-based and Cu—Al alloys, 24:14831
HAMMAD, F. H. Decladding of nuclear fuel by rolling-straightener technique, 24:2296
Kinetics of oxidation of Zr—1 percent Nb alloy in pressurized steam and air at 400 to 700°C, 23:22475
Mechanical decladding of the Inchas fuel, 25:34780 (UARAEE-54)
Oxidation of Zr—1 percent Nb alloy in pressurized steam and air, 23:29969
HAMMAN, D. J. Effect of radiation on electrical insulating materials, 24:1109 (N-69-33236)
Effects of nuclear radiation as part of the temperature—vacuum—power environment, 22:12729
Reliability of electronic components in nuclear—radiation environment. I, 21:34552 (N-67-17969)
HAMMAN, Donald J. Prog. rpt. on effects of radiation on reliability of electronic components, 1—3/66, 21:12737 (N-66-24404)
Space-radiation effects in integrated circuits, 21:1701
HAMMANN, T. Non-local forces and photonuclear reactions in heavy nuclei, 25:18027
HAMMANN, T. F. 3 particle—1 hole configurations and realistic forces, 25:31254
A separable potential model for nuclear Hartree—Fock calculations, 24:43538
Effective nonsingular nucleon—nucleon interaction, 24:6731
Nonlocal forces and dipole sum rules, 24:38383
Nonlocal forces and Hartree—Fock calculations, 24:15981
HAMMANN, Th. Separable potential for the nucleon—nucleon interaction, 22:7527
HAMMANT, B. L. Some effects of ionizing radiation on a polyhydroxyether, 22:45098
HAMMAR, Carl-Gustaf Ion specific detection of internal standards labelled with stable isotopes, 25:28967
HAMMAR, L. Aqueous radiation chemistry of nitrogen and hot-atom chemistry of ^{13}N and ^{14}N, 22:27768
Fuel irradiation experiments in R2 reactor, 24:51231 (DP-Report-387)
Irradiations and radiochemical examination of fuel components, 24:43754 (DP-Report-244)
Water chemistry research at the Halden Boiling Heavy Water Reactor (HBWR), 22:1765 (HPR-55)
HAMMAR, R. H. Prog. rpt. on structure and properties of solid solutions, annual, 3/66—3/67, 21:22865 (TID-23747)
HAMMARSTEN, James F. Lung scan in α_1-antitrypsin deficiency, 24:9890
HAMMARSTROEM, L. Different localization of tetracycline and simultaneously injected radiocalcium in developing enamel, 22:40549
Incorporation of U. I, 22:45433
HAMMARSTROEM, Lars Radiopathology of ^{241}Am. I, 25:18901
Radiopathology of ^{241}Am. II, 25:44759
HAMMEKE, K. Heat transfer and pressure drop measurement in flow across bundles of smooth tubes, especially at high Reynolds numbers, 21:22096
Heat transfer experiments on a heating strip with a longitudinal flow for Reynolds numbers between 5 x 10^3 and 10^4, 22:27446
HAMMEL, E. F. Automatic superconducting flux pump, 22:39006
Cryogenic research at Los Alamos Scientific Laboratory, 21:28128 (LA-DC-8725)
Cryogenics and nuclear physics. I, 24:28189
Cryogenics and nuclear physics. II, 24:49083
Miscellaneous observations on film flow, 22:50094 (LA-DC-9731)
Oscillations and dissipation in the flow of helium film, 24:32789
Persistent currents in doubly connected superfluid helium, 21:15080
Potentiometer for studying the liquid He II film, 21:2147
Pulsed cryogenic magnetic energy storage, 23:34461 (LA-4195)
HAMMEL, Edward F. Automatic superconducting pump, 23:9622
Soviet low-temperature physics, 21:41966
HAMMEL, G. Investigation of the 6477 keV state in ^{27}Al, 25:50681
K/sup π/ = $^{1}/_{2}^{-}$, [330] rotational band in A = 21 to 27 nuclides, 25:50680
K/sup π/ = $^{3}/_{2}^{+}$ band in ^{25}Al and ^{25}Mg, 24:49793
Rotation-vibration interaction in ^{27}Al, 25:17805
HAMMEL, J. E. Fractional-fringe-shift laser interferometer, 22:11414 (LA-3730)
High energy gun-injected toroidal quadrupole, 25:38330 (CONF-710607-8)
Magnetic shielding of current feeds in plasma containment systems, 22:36886
Mechanical design of a quadrupole injection experiment, 24:24028 (LA-4250, pp A3.1-6)
HAMMEL, Jay E. Dipole current lead for a plasma containment device, 23:25388
Plasma stream interactions through polarization electric fields, 23:16793 (LA-3994)
HAMMELMANN, K. H. Experiments for a new control rod concept for the pebble bed reactor, 24:38393 (JUL-622-RG)
Method for the automatic exchange of scale particles on spherical fuel elements, 21:1221 (JUL-378-RG)
HAMMER, A. Temperature dependence of sensitized fluorescence in naphthalene crystals, 23:2287
HAMMER, A. N. Braze alloys for titanium foil structures, 22:45758
HAMMER, B. Angiographic and angioscintigraphic comparisons in cerebral vascular processes, 25:55289
Rare etiology and angiography of a cerebral infarction in childhood, 24:17076
HAMMER, C. F. Design and installation of Scyllac, 25:30564 (EUR-4593, pp 227-39)
Scyllac spark gap and trigger system development, 24:24050 (LA-4250, pp DI.4.1-5)
Theta-pinch experiments with helical equilibrium fields in a 5-meter toroidal sector and in a 3-meter linear device, 25:38480 (CONF-710607-116)
HAMMER, C. L. Method of quantization for relativistic fields, 25:53321
New quantum electrodynamics for vector mesons, 25:33724
Slow extraction from FFAG accelerators, 21:38083
Two particle quantum electrodynamics, 23:42716 (IS-2085)
Two-body scattering with wave packets, 21:27441
V-particle decay in the Lee model, 24:8729
Wave equations on a hyperplane, 22:44480
Wave packet solutions of time dependent Schroedinger equation, 24:5222 (IS-1795)
HAMMER, Charles L. Application of sum rule to Regge model for high energy πN system, 21:44370 (IS-1690)
HAMMER, D. A. Propagation of an intense relativistic electron beam through a plasma background, 25:25110
Propagation of high current relativistic electron beams, 24:35427
Propagation of high-current beams of relativistic electrons in gases, 24:19885
Transverse electromagnetic instabilities in collisionless plasmas, 25:19722
HAMMER, David A. Energy constants associated with the nonlinear theory of electromagnetic instabilities, 25:40668
HAMMER, David Andrew High-current relativistic electron beam propagation, 25:5469
HAMMER, E. L. Rapid annealing in silicon transistors, 23:17871
HAMMER, Hans Influence of ionizing radiation on the activity and selectivity for catalytic hydridation of carbon monoxide, 25:21028
Influence of ionizing radiation on the chemisorption of carbon monoxide on reduced iron precipitation catalysts, 25:39522
HAMMER, J. Wolfgang Decay of ^{84}Rb and fluorescence yield of Kr, 25:56697
HAMMER, Johann Wolfgang Electron capture decay of ^{85}Sr and ^{88}Y, 23:39985
Electron-capture decay of ^{54}Mn and ^{65}Zn, 22:53163
HAMMER, P. Fast integral experiments: with thermal driver zone in Minerve; exponential experiments with Harmonie; pulsed experiments in collaboration with the Germans, 24:22458
HAMMER, R. F. Isolation of c type virus particles from leukemic and lymphocytotic cattle, 24:31142 (COO-910-21)
Virologic and immunologic studies of C-type virus particles isolated from bovine leukemia, 25:39365 (COO-910-26)
HAMMER, R. L. Preparation of actinide metal carbide microspheres, 21:9219
HAMMER, R. R. Development of a continuous sampler—monitor for the LOFT containment atmosphere, 25:23330 (CONF-700816-(Vol.2), pp 653-67)
Development of Continuous Sampler-Monitor for the LOFT containment atmosphere, 24:41654 (IN-1309)
Literature review of Zircaloy-4, uranium dioxide and their mixtures, 21:45997 (IN-1093)
Penetration of iodine into protective coatings, 22:2713 (IN-1095)
Ruthenium dioxide—oxygen—ruthenium tetroxide equilibrium, 22:15251 (IN-1013)
Three methods for reprocessing graphite fuels, 21:12497 (IN-1018)
HAMMER, Vera W. New type of non-injecting back contact for totally depleted silicon surface barrier detectors, 25:48940

- HAMMERER, K. Charge collection Ge(Li)-detectors in high magnetic fields, 24:36561
- HAMMER-JACOBSEN, E. Nuclear medicine: a Scandinavian textbook, 22:45635
- HAMMERLI, M. Electrolytic hydrogen—deuterium separation factor, 23:28954
  - Kinetic salt effects on reactions of the solvated electron in methanol, 21:28029
  - Temperature dependence of electrolytic hydrogen—deuterium separation factor, 24:29366
- HAMMERLI, Martin Hydrogen/deuterium separation factors on cathode and diffusion sides of 25 percent Ag—Pd foils, 25:57538
- HAMMERLING, F. D. Analysis of (r, phi, theta) inspection machine, 24:46146 (CTC-38)
  - Fourier analysis of unequally spaced data, 25:57250 (ORNL-TM-3547)
- HAMMERMAN, I. Photon asymmetry for radiative μ capture in Ca, 25:56705
  - Polarization of inelastic neutrons produced in the collision of 3-GeV protons with Pt, 24:40257
- HAMMERMAN, I. S. Design of secondary beam channels for Nevis synchrocyclotron conversion program, 25:50469
  - Experimental test of charge independence in $n + p \to d + \pi^0$, 24:12933 (PURC-2137-17)
  - Experimental test of charge independence in $n + p \to d + \pi^0$, 24:37628
  - $n + p \to d + \gamma$ and time-reversal invariance, 23:51852
  - $n + p \to d + \gamma$ time reversal invariance, 24:1506 (PPAR-20)
- HAMMERMAN, Ira Saul $n + p \to d + \pi^0$: a test of charge independence from threshold through resonance peak, 25:14549
  - $n + p \to d + \pi^0$: test of charge independence from threshold through resonance peak, 23:42548 (PURC-2137-9)
- HAMMERSAND, Fred G. Attenuator for suppressing high-order cavity resonances having a transverse electric component, 21:1698
- HAMMERSCHLAG, Ellen Antibodies to photoproducts of DNA irradiated with ultraviolet light, 21:4752
- HAMMERSTEIN, R. Inelastic proton scattering from ^{207}Pb, 24:43410
- HAMMERSTROM, Harold Elmore Feasibility of making radiometric titrations of precipitation reactions, 23:11433
- HAMMERTON, J. C. Survey of potential dynamic conversion systems of isotopic power, 21:26110
- HAMMES, John A. Chronology of two weeks' fallout shelter confinement, 21:30814
  - Fallout shelter survival research, 21:26431
  - Prog. rpt. on shelter occupancy studies, final, 12/31/65, 21:8788 (AD-635501)
- HAMMESFAHR, A. Decay of ^{131}Cs, 23:32939
  - Decay of ^{131}Cs, 24:43396
  - K-shell particle parameter of 122-keV transition in ^{152}Sm, 24:3931
- HAMMIT, O. C. Co-axial water-cooling feedthroughs for high vacuum processes, 23:50103 (RFP-1345)
- HAMMITT, A. G. A new formulation of the thermodynamic limits on the performance of chemical and nuclear engines, 22:20901
  - Perfect thermodynamic vapor concept and application to the analysis of power conversion cycles, 21:17779
- HAMMITT, F. G. Behavior of liquid sodium in a sinusoidal pressure field, 25:13154
  - Cavitation damage in liquid-metal-cooled reactor powerplants, 21:36792
  - Cavitation damage studies with rotating disk in water, 21:20498
  - Cavitation phenomena in liquid metals, 22:17114 (NP-17279)
  - Cavitation phenomena in liquid metals, 22:52180
  - Cavitation threshold observations in water at 14.5 kHz, 23:45464 (NP-17971)
  - Cavitation-erosion characteristics of selected materials in Hg at 500°F, 21:36299 (NP-16858)
  - Experimental investigation of a vapor-driven two-phase vortex, 21:36244
  - Facility for the investigation of a gas-driven liquid vortex, 21:7058 (MMPP-293-1)
  - Time-dependent nucleate boiling requirements for liquid sodium, 25:4210
  - Two-phase vortex flow, 21:32310 (MMPP-293-2)
- HAMMITT, Frederick G. Choked-flow analogy for very low quality two-phase flows, 21:34403
  - Conductivity probe for measuring local void fractions in two-phase flow, 21:26052
  - Effects of applied stress on early stages of cavitation damage, 24:41095 (KAPL-P-3886)
  - Effects of external load on cavitation damage, 23:38957 (KAPL-P-3813)
  - Gas content, size, temperature, and velocity effects on cavitation inception, 21:21841 (TID-23421)
- HAMMON, Neal Damage to surface structures following the Salmon underground nuclear detonation, 22:37896
- HAMMON, Strattonn Damage to surface structures following the Salmon underground nuclear detonation, 22:37896
- HAMMOND, A. D. Calculations for a large fast reactor, 25:44101 (TRG-Report-2133)
  - Calculations for a large fast reactor, 25:51048 (TRG-Report-2133)
  - Helium leak testing techniques, 24:39109 (DP-Report-201)
  - Measurements of control rod worth and excess reactivity on the first core of Dragon, 24:43710 (DP-Report-359)
  - Transfer function investigations on first Dragon core, 25:5953 (DP-Report-445)
- HAMMOND, Allen L. Accelerator at Batavia: the next step in high-energy physics, 25:20225
  - Stellar old age. II, 25:24729
  - Stellar old age: white dwarfs, neutron stars, and black holes, 25:24730
- HAMMOND, Ann Pathology of monkey retina following irradiation with an argon laser, 23:29749
- HAMMOND, Ann H. Laser damage thresholds for ocular tissues, 23:33886
- HAMMOND, B. F. Bibliography of selected metal hydrides, 24:14895 (MLM-1673)
- HAMMOND, C. Crystallography of titanium alloy martensites, 23:34005
- HAMMOND, Carolyn W. Bactericiadl activity of fixed phagocytes in irradiated and unirradiated mice, 23:35884
  - Incidence of endogenous bacterial infection in murine radiation chimeras with secondary disease, 22:23612
- HAMMOND, D. P. Fast neutral injection for plasma heating and reactor start-up, 25:38505 (CONF-710607-130)
  - Hot-cathode ionization gauges for use in a magnetic field, 25:56141
  - IMP facility at ORNL, 24:24034 (LA-4250, pp B5.1-5)
  - Rotating vane electrometer of high sensitivity, 25:22487
- HAMMOND, E. Cuyler Cutaneous cancer in Minnesota, 24:17152
- HAMMOND, G. S. Quenching of excited singlet states of aromatic hydrocarbons by conjugated dienes, 22:2084
- HAMMOND, George S. Correlation between photochemistry and high-energy radiation chemistry, 23:9472
  - Radiation-induced chain isomerization of cis-1,2-diphenylpropene in cyclohexane, 25:15650
  - Radioinduced reactions of 1,3-cyclohexadiene, 24:31356
- HAMMOND, J. D. Safety analysis report for Peach Bottom I Core 1 fuel storage facility, 25:44567 (IN-1465)
- HAMMOND, J. P. Bonding graphite to metals with transition pieces, 25:13648
  - Dispersion in solids, 22:8740 (ORNL-4170, pp 105-7)
  - Dispersions in solids, 21:13158 (ORNL-3970, pp 99-102)
  - Method for formulating master alloy compositions for use in dispersion hardened compacts, 21:3541
  - Preparation of U aluminides UAl_3 and UAl_{4-5}, 21:1882
  - Vapor phase sintering process, 21:6866
- HAMMOND, Joseph P. Corrosion of advanced steam generator alloy weldments in 1100 and 1200 F (595 and 650 C) steam, 24:42050 (CONF-700324-1)
  - Corrosion of advanced steam generator alloy weldments in steam, 25:2636
  - Dispersion strengthening of aluminum-base alloys, 23:8134 (ORNL-4370, pp 238-40)
  - Physical, mechanical, and irradiation properties of Th and Th alloys, 22:21695 (ORNL-4218)
- HAMMOND, L. F. Effect of die rotation on compaction of metal powders, 23:38938 (SRO-475-2)
- HAMMOND, M. L. Solid solubilities of Ag, Al, Cr, Cu, and Fe in zone-refined Be, 22:41062
- HAMMOND, P. Digital computer control of a remote manipulator, 21:34375
- HAMMOND, Philip Nuclear power for desalination and Agro-industrial complexes, 25:39324 (A/CONF.49/P-50)
- HAMMOND, R. H. Kinetic energies of ionization products from collisions of Ar—Ar, He—He below 220 eV c.m. energy, 25:38144 (NYO-2101-27)
  - Kinetic energies of ionization products from collisions Ar—Ar and He—He, 25:58764
  - New superconducting A15 compound, V_3Al, 25:45401
  - Vanishing knight shift in superconductor aluminum, 21:15078
- HAMMOND, R. P. Abstracts of literature on the distillation of seawater and on the use of nuclear energy for desalting, 25:20812 (TID-25653)
  - Abstracts of papers: desalination information meeting, May 27—28, 1971, 25:37091 (ORNL-TM-3402)
  - Abstracts of papers, water and desalination information meeting, May 12—13, 1969, 23:23992 (ORNL-TM-2550)
  - Condenser tube bundle configurations for 50-MGD and larger desalination plants, 22:23198 (TID-24347)
  - Conference on water and desalination, abstracts of papers, ORNL, 5/68, 22:27630 (ORNL-TM-2203)
  - Cost allocation procedure for dual-purpose power-desalting plants, 21:8032 (ORNL-TM-1615)
  - Costs of nuclear desalination, 24:29068
  - Deaerator ejectors and blowers for 50 MGD and larger desalination plants, 22:25224 (TID-24346)
  - Economic use of desalted water in agriculture, 23:49648
  - Tests of deaerator at Freeport seawater desalting plant and evaluation of dissolved gas analysis, 22:27524 (TID-24358)
  - Unclad-metal breeder reactor for desalting or power, 23:13556 (ORNL-4202)
  - Use of unclad-metal fuel in high gain breeders for desalting or power, 22:5945
- HAMMOND, R. Philip Breeder reactors for desalting, 23:11081 (CONF-680419-, pp 27-40)
  - Desalted water for agriculture, 23:47286
  - Global effects of increased use of energy, 25:39205 (A/CONF.49/P-33)
  - Nuclear desalination program at ORNL, 22:35585
  - Nuclear power in agro-industrial development, 25:26053
- HAMMOND, Riley G. Jr. Prog. rpt. on powder metallurgy compaction, 3/71—5/71, 25:44292 (SRO-475-11)
- HAMMOND, Robert Hume Collisions of Ar atoms with Ar atoms and He atoms with He atoms, 25:47336
- HAMMOND, S. D. Chlorine isotopic exchange between Cl-substituted aromatic compounds and Li chloride, 23:31339
- HAMMOND, S. E. Americium and Pu urine excretion following inhalation, 22:28351
  - Distribution of Pu and Am following PuO_2 implants, 25:16012
  - Plutonium content of several internal organs following occupational exposure, 22:38265 (UCRL-18140, pp 103-22)
  - Plutonium content of several internal organs, 23:41307
  - Rocky Flats respirator-fitting program, 21:8803 (RFP-810)
- HAMMOND, T. Automation of Philips x-ray spectrograph, 21:28297 (AERE-R-4534)
- HAMMOND, V. L. Encapsulation of isotopic fuels, 21:19845 (HW-81332)
  - Prog. rpt. on densification and encapsulation of isotopic fuels, final, 6/67, 21:32324 (BNWL-381)
- HAMMONS, A. S. Lack of recruitment of antibody forming cells during the late haemagglutinin response, 23:5027
- HAMMONS, Anna S. Recovery of the antigen retention mechanism after sublethal x-irradiation in mice receiving cells from various sources, 25:55147
  - Regenerative potential of immunocompetent cells. III, 24:642
- HAMMONS, C. E. Extrapolation algorithm for special ordinary initial value problems based on an elementary trigonometric multistep formula, 22:35736 (ORNL-TM-2166)
- HAMMONS, G. L. Advanced fuel element materials, 21:14879 (DC-60-1-205)
- HAMMONS, Percy J. Jr. Distribution studies between thenoyltrifluoroacetone (TTA) in methyl isobutyl ketone (MIBK) and aqueous solutions using radiotracers of group II and group III elements, 24:44088
- HAMMOU, A. Electric conductivity of solid solutions of $(ThO_2)_{0.75}$—$(CeO_2)_{0.25}$ at high temperature, 25:58368
- HAMNER, R. L. Advanced sol-gel studies, 23:16526 (ORNL-4275, pp 135-56)
  - Method for preparing dense spherical particles of thorium and thorium—uranium dicarbides, 21:24826
  - Process for consolidating nuclear fuel particles, 24:12388
- HAMNER III, James E. Co-carcinogenesis in the hamster cheek pouch, 21:13011
- HAMON, Yves Characteristics of bacteriocins produced by Klebsiella bacilli, 21:43541
- HAMORI, J. Growth and differentiation of synaptic structures under circumstances of deprivation of function and of distant connections, 25:29623
- HAMORI, Joseph Dendritic degeneration in cerebral cortex from laminar lesions, 24:29713
- HAMOUDA, I. Calculation of neutron pulse shape, transmission function and resolution function in mechanical time-of-flight spectrometer, 25:34919 (UARAEE-61)
  - Control rod calculation with perturbation theory, 25:37136 (UARAEE-66)
  - Critical mass calculation for UA-RR-1, 25:37078 (UARAEE-67)
  - Dependence of start pulse position on rotor speed in neutron time-of-flight spectrometry, 22:19139
  - Determination of epithermal neutron spectrum shape in UA-RR-1 reactor, 25:37076 (UARAEE-59)
  - Effect of non-uniform burn up on reactor lifetime, 25:37081 (UARAEE-83)
  - Effect of the probe tube on the thermal neutrons space-energy distribution, 25:37137 (UARAEE-75)
  - Energy-dependent Milne problem, 25:36650 (UARAEE-60)
  - Fast neutron spectrum measurements by threshold activation detectors, 22:42370
  - General review of thermal neutron spectra investigations, 25:37118 (UARAEE-62)
  - Measurement of continuous fast neutron spectra by scintillation technique, 25:34920 (UARAEE-91)
  - Measurement of total neutron cross section of tantalum in energy range 0.002 to 0.2 eV using time-of-flight spectrometer, 21:31797
  - Neutron transmission through ducts perpendicular to neutron beam axis in water shields, 25:36251 (UARAEE-86)
  - Numerical calculations of K/sub eff/ and neutron fluxes in 2 and 3-group approximations using IBM-1620 code, 25:37126 (UARAEE-89)
  - Numerical study of fast neutron spectra in UA-RR-1 reactor core and reflector, 25:37079 (UARAEE-71)
  - One-group considerations of Milne problem, 25:37116 (UARAEE-56)
  - Reflector spectrum calculation, 23:31226
  - Review of research activities using the UA-RR-1, 25:28777
  - Thermal neutron capture gamma-rays in iron, 25:36692 (UARAEE-103)
  - Thermal utilization calculation with new asymptotic diffusion theory, 25:37119 (UARAEE-64)
  - Total neutron cross section of S in energy range from 0.0022 to 0.266 eV, 22:20548
  - Transmission of slow neutrons in multiple-segment ducts in a water shield, 25:36252 (UARAEE-104)
- HAMOUI, A. Degenerate surface cuts in the Tolman solution, 22:9691
  - Surface layers of matter in general relativity, 23:21163
- HAMOUI, Adnan Conditions of matching in general relativity, 22:53028
- HAMPE, A. Electronic blood cell volume determination and its sources of error, 24:53018 (ANL-Trans-850)
- HAMPEL, Clifford A. The encyclopedia of the chemical elements, 22:45055
- HAMPEL, D. Radiation hardened registers, 25:21496
  - Radiation-resistant logic circuits, 21:3365
- HAMPEL, H.-R. Problems of uranium ore mining, 24:31516
- HAMPEL, K.-E. Chromosome mutations of human leukocytes by x rays and triethylenemelamine, 21:45606
- HAMPEL, V. E. Application of asymptotic diffusion theory methods to small systems, adaptation of ZOOM, 22:33108
- HAMPEL, Viktor E. Comparison of calculated to measured reactivity worths of Eu_2O_3, Sm_2O_3, Gd_2O_3, Cd and Au in an epithermal reactor, 21:8055
  - Computerized library and evaluation system for integral neutron experiments, 23:37086
  - Computerized library and evaluation system for integral neutron experiments, 23:39906 (UCRL-71584(Rev.1))
  - Reactivity self-control on power and temperature in reactors cooled by heatpipes, 23:4393

  Reactivity self-control on power and temperature in reactors cooled by heatpipes, 23:11168 (UCRL-71198)
  Reduction of fission-density spiking and nuclear safety in fast space reactors by means of thin neutron filters of europium compounds, 22:32939
  Testing neutron cross sections and neutronics computer programs, 24:33103
  The application of a liquid reactivity control system to a large nuclear-electric space power plant, 22:6087
HAMPL, J. Elimination of ^{131}I-labelled heterologous antigen after total body x-irradiation, 25:26944
HAMPL, Jaroslav Experimental vaccination of bulls with x-irradiated Dictyocaulus viviparus larvae. IV, 24:31871
  Influence of ionizing radiation on the enzymatic activity of Mycobacterium bovis, 22:33721
HAMPL, V. Collection efficiency of water droplets in AgCl aerosol, 25:26370 (CONF-700601-, pp 161-7)
HAMPL, Vladislav Some changes in white blood cells in fasting rats after total-body irradiation, 23:29812
HAMPL, W. Repair of Chlorella cells, 25:47050
HAMPRECHT, B. Current algebra model based on a wave equation, 23:49068
  Current algebras in a perturbation-theoretic model, 21:21206
  Decays of baryon resonances in an O(3.1) model, 23:23521
  Dispersion sum rules for the baryon spectrum in an O(3,1) dynamical group model, 23:25679
  Dispersion sum rules for the nonstrange baryon spectrum, 23:46728
  Form factors of $\Delta(1236)$ from O(4,2) dynamics, 23:32738
  Nonfactorizing saturation of current algebra, 23:32643
  Saturation of current algebras in dynamical group models, 24:8697
  Schwinger terms in perturbation theory, 21:37731
HAMPSHIRE, R. Effect of temperature on the critical current density of Nb—44 wt. percent Ti alloys, 24:10486
HAMPSON, B. L. Restricted dispersion of ^{95}Zr and of ^{95}Nb after release to the sea in nuclear fuel reprocessing effluent, 21:43073
HAMPSON, D. C. Argon atmosphere at the fuel cycle facility, 24:464
  Fusible metal seals in process equipment, 21:6105
  Maintenance and repair of contaminated equipment for the EBR-II fuel cycle facility, 21:7931
  Melt refining of EBR-II fuel, 23:38063
  Operation of EBR-II fuel cycle facility, 24:9565
HAMPSON, H. Effects of solid additives on the saturated pool boiling of water, 21:41137
  Venting during condensation from a static vapor—gas mixture, 21:43145
HAMPSON, H. F. Efficiency distribution associated with neon flash tubes, 25:48919
  Investigation into the flash tube discharge mechanism, 25:49013
  Study of the efficiency characteristics of flash tubes, 25:48996
HAMPSON, M. A. Uptake of radioactivity by aquatic plants and location in cells. II, 22:2487
  Uptake of radioactivity by aquatic plants and location in cells. I, 22:2488
HAMPTON, A. F. Sulphidation of Cr and Cr—Mo alloys, 24:39607
HAMPTON, Beverly Survival of frozen stored bone marrow cells, 22:31187
HAMPTON, C. Jr. Waste Solidification Demonstration Program. Experimental techniques for characterization of high-level radioactive solidified waste, 25:354 (BNWL-1425)
HAMPTON, J. C. Distribution of colloidal ThO$_2$ in mouse liver, 23:33619
  Distribution of colloidal thorium dioxide in mouse liver after intravenous injection, 21:20022 (CONF-660422-4)
  Distribution of exogenous peroxidase in irradiated mouse intestine, 22:31219
  Distribution of thorium dioxide in mouse liver, 23:26881
  Fine structure of the intestinal epithelium after 3 krads of x rays, 22:49229
HAMPTON, James C. A comparison of the effects of ionizing radiation and radiomimetic drugs on the intestinal epithelium, 23:18119
  Comparison of the effects of ionizing radiation and radiomimetic drugs on the intestinal epithelium, 23:2958
  Fine structure of intestinal epithelium after 3 krads of x rays, 21:18115 (COO-1244-8)
  Prog. rpt. on intestinal radiation death in the mouse, 10/27/67, 22:14910 (COO-1244-12)
HAMPTON, K. Gerald Catalysis of α—H exchange. IV, 21:25841
  Catalysis of α-H exchange. III, 21:15892
HAMPTON, R. B. Effects of gamma irradiation or the chemosterilant, tepa, on the citrus red mite and its progeny, 25:19100
HAMPTON, W. Charles Detector angle integration program designed to operate on NGM code output, 21:34352 (AD-654503)
HAMPTON, W. J. Geographic characterization of chromium ore deposits by elemental analysis, 23:49
HAMRE, E. Scandinavian PCRV model project, 25:56991
HAMRE, Edmond Charles Recovery in cadmium, 25:40048
HAMRIC, J. P. Operating physics experience at Hanford, 23:52438 (DUN-SA-120)
HAMRICK, L. T. Simulation and analysis of Faraday rotation of beacon satellite signals in the presence of traveling ionospheric disturbances, 24:45117
HAMRICK, P. E. Laser-induced acoustic breakage of tobacco mosaic virus, 23:38895
HAMRICK, Philip E. Laser-induced acoustic transients in eye, 24:34665
HAMRICK, Phillip Electron spin resonance of x-irradiated valines, 21:30451
HAMRICK, Phillip J. Jr. Correlation of ESR and optical spectra from five x-irradiated amino acids, 24:38982
  Electron spin resonance of x-irradiated single crystals of hydroxyurea, 21:19666
  Electron spin resonance of x-irradiated amide single crystals, 22:48884
  Prog. rpt. on physical chemistry, annual, 11/15/66—11/15/67, 22:21093 (TID-24147)
  Relative stability of the characteristic sulfur and doublet resonances in x-irradiated native proteins, 24:16993
HAMRICK, T. P. Description and safety analysis of significant change of bulk shielding reactor for 2-MW operation, 23:6023 (ORNL-TM-2231)
  Development of a self-study program for certifying and retraining reactor operations staff at ORNL, 25:39287 (CONF-710416-, Paper 16)
  Experience in computing research reactor fuel burnup contrasted with recovery results, 21:10204 (ORNL-P-2555)
  Oak Ridge Research Reactor: functional description, 22:47016 (ORNL-4169(Vol.1))
  Some techniques for estimating the results of the emission of radioactive effluent from ORNL stacks, 25:8452 (ORNL-TM-3187)
HAMRIN, C. E. Jr. Tungsten—rhenium coated ceramic reactor fuel particles, 22:45811
  Vapor deposition of W—Re alloys on UO$_2$ spheroids, 22:7044
HAMRIN, Charles E. Jr. Method for depositing a tungsten—rhenium metal alloy on a substrate, 21:39605
HAMRIN, K. Determination of electron binding energies in plutonium with photo-electron spectroscopy, 21:32913
  K-level of Be in metal, oxide, and fluoride, 22:13211 (UUIP-548)
HAMRIN, Kjell VC, NbC, and TaC studied by electron spectroscopy for chemical analysis, 25:19867
HAMSTAD, Marvin A. Complex shear modulus of a high explosive, 22:25227 (UCRL-50357)
  Effective strain rates in low-speed uniaxial tension tests, 21:19872 (UCRL-14551)
HAMZA, Khidhir A.-A. Coulomb forces in the three-body problem, 23:42988
HAMZA, Khidhir Abdul-Abbas Coulomb force in the three-body problem, 24:6706
HAMZA, M. Measurement of deuterium in water, 24:9231
HAMZA, M. S. Determination of deuterium content in low concentration water samples by infra-red spectrometry, 21:4744
  Determination of the deuterium content of natural waters in UAR by mass spectrometry, 21:14164
HAMZA, Vladimir Accuracy of numerical solutions for electron gun design, 21:45483
HAN, A. Repair of lethal radiation damage in L cells by deoxyribonucleotides, 23:12227 (AEC-tr-6646/4A, pp 73-5)
HAN, Antun Effect of ultraviolet irradiation on Chinese hamster cells, 23:45643 (ANL-7535, pp 198-9)
  Recovery processes in x-irradiated L cells: action of ultraviolet light and nucleic acids analogues on repair processes, 23:11931 (AEC-tr-6646/4A, pp 33-5)
  Sensitivity of synchronized chinese hamster cells to ultraviolet light, 23:45862 (ANL-7535, pp 199-201)
  Sensitivity of synchronized Chinese hamster cells to ultraviolet light, 24:34580
  UV-induced DNA-to-protein cross-linking in HeLa cells, 25:10975
HAN, B. H. Multiplicities in classical groups. II, 25:41039
HAN, C. L. Studies on radioactive contamination of the atmosphere, soil, and agricultural products in Korea, 22:36287
HAN, C. S. Analysis of cyclotron-type electric lenses and the effects of posts, 25:50346
HAN, I. G. Neutron activation analysis of ^{18}O with chemical separation, 21:12317
HAN, Joon Taik Manufacture and characteristics of ionization chamber for counting beta, gamma rays, 25:48933
HAN, Jung-hsin Relation between the radiation dose and biologic reactions thereto, and application with evaluation of radioprotective compounds, 21:4819
HAN, K. S. Largle-angle differential cross section for K$^+$p elastic scattering at 4.0 and 5.0 GeV/c, 25:43559
  Measurement of the reaction $\pi^+p \to K^+\Sigma^+$ at large momentum transfers, 24:32966
  Structure in 5-GeV/c π^+p elastic scattering at large angles, 24:32967
HAN, K. W. Stability analysis of a nonlinear reactor control system, 24:33481
HAN, Ki Sup Measurement of reaction $\pi^+ + p \to K^+ + \Sigma^+$ at large momentum transfers, 25:22698
HAN, L. S. Prog. rpt. on analytical study of fluid cylinder arc model balanced by crossed magnetic and flow fields, final, 11/66—10/67, 23:12816 (AD-669354)
HAN, Linus K. Device for measuring the characteristics of a material moving on a conveyor with means for minimizing the effect of flutter, 22:28199
HAN, M. Y. Dyon three-triplet model of hadrons, 24:10804
  Electromagnetic mass difference of kaons, 22:13818
  Manifest duality invariance in electrodynamics and Cabibbo—Ferrari theory of magnetic monopoles, 25:25380
  Mechanism for CP nonconservation, 25:59539
  SU$_3$ as a classical invariance group, 21:21271
  Sum rules and the electromagnetic mass difference of pions, 22:24591
  Two-component spherical factorization of Klein—Gordon and Kramers equations, 25:56559
HAN, Shu-juan Positron decay of ^{147}Eu, 21:2740
  Positrons in ^{147}Gd decay, 21:2741
HAN, Sook Jong Unitarity and a tightly bound pion, 25:12202
HAN, Tin Complete remission in chronic lymphocytic leukemia and leukolymphosarcoma, 21:20271
HAN, Wen-lung Systems of rare earth sesquioxides—beryllium oxide, 22:11074
HAN, Y. P. Nuclear radiation enhancement of transistor forward gain at high frequencies, 25:21527
  Optimum initial design criteria for the impurity profiles and geometries of radiation hardened diffused silicon p—n junction devices, 25:51951 (COO-1624-36)
HAN, Yeh-lung Grain-boundary relaxation of molybdenum and the mechanism of the embrittling effect of interstitial impurity additions, 21:11699
HANABUSA, M. Resistivity measurements by SQUID, 24:44364
HANADA, Kenji Effects of evaporated dielectrics on superconducting thin films, 24:30291
HANADA, Kiyoshi Device for releasing the peak pressure by a valve, 22:37468
HANADA, Muneo Chemical state of fission tellurium, 23:35109
HANADA, R. Length change of copper after electron irradiation, 22:11506
  Length change of copper and aluminum after electron irradiation, 23:43994
  Recovery of fast neutron irradiated molybdenum, 25:19861
HANADA, Reimon Effect of the interstitial cluster on the lattice expansion of irradiated metals, 25:45095
  Electrical resistivity measurements of deformed metals after low-temperature neutron irradiation, 25:35501
  Recovery of length change in electron irradiated Cu and Al, 23:24969
  Recovery of low-temperature fast neutron irradiated tungsten, 25:27228
HANAFEE, J. Effects of hydrostatic pressure on polycrystalline beryllium, 23:3059
HANAFEE, J. E. Deformation of Be single crystals, 23:24892
  Deformation of Be—Cu single crystal, 23:48435
HANAI, K. Infrared spectra of sulfamide and sulfamide-d$_4$, 21:5860
HANAI, Kazuhiko Infrared spectra of acylureas and NN'-deuterated acylureas, 23:26232
HANAI, Masaru Property of radiographic ^{192}Ir source. I, 24:9606
HANAI, Misao Degradation of various rubber and plastic insulated wires, and compounds in exposure to γ radiations, 24:46819
HANAK, H. On-line computer systems for experimental nuclear physics at Karlsruhe, 24:511 (KFK-982)
HANAK, J. J. Compounds and alloys for superconducting applications, 25:14203
  Effect of grain size on transition temperature of transition metals, 24:1348
  Fluctuation rounding of the superconducting transition, 23:25264
  Growth of single crystals of Nb$_3$Sn by chemical transport, 22:635
  Low temperature structural transformation in V$_3$Si and Nb$_3$Sn, 23:12330 (NYO-3789-6)
  Low-temperature structural transformation in Nb$_3$Sn, 21:18556
  Order of low-temperature structural transformation in V$_3$Si and Nb$_3$Sn, 23:25253
  Prog. rpt. on transition temperatures in superconductors, 6/11—9/10/68, 24:28173 (N-69-25304)
  Radio-frequency-sputtered films of β-W structure compounds, 24:51598
  Superconducting and semiconducting phases of granular films, 25:19631
HANAK, Joseph J. Rf sputtering of superconducting materials, 24:15214
HANAKI, Akira Reactivities of radiation-protective aminoalkylisothiuronium salts. I, 21:8856
  Reactivities of radiation-protective aminoalkylisothiuronium salts. II, 22:31181
  Reactivities of radiation-protective aminoalkylisothiuronium salts. IV, 23:35767
  Reactivities of radioprotective aminoalkylisothiuronium salts. V, 23:48085
HANAKI, Tomoko Reactivities of radiation-protective aminoalkylisothiuronium salts. I, 21:8856
HANAMURA, E. Quantum limit galvanomagnetic phenomena in n—InSb, 21:27093
HANAOKA, M. Appendix and γM-antibody formation. I, 24:31877
HANAOKA, Masao Hawaii food irradiation program for the period June 1, 1966—June 30, 1969, 25:21987 (NVO-374-17(Vol.1))
  Hawaii food irradiation program, raw data appendices for the period June 1, 1968—June 30, 1969, 25:21986 (NVO-374-17(Vol.2))
  Histological appearance of lymph nodes of rabbits after thymectomy or appendectomy at birth followed by x irradiation and injection of antigens, 22:25879
  Plasma cells in spleen of x-irradiated mice, 24:32237
  Prog. rpt. on Hawaii development irradiation program, annual, 7/67—6/68, 24:9550 (NVO-374-16)
HANAOKA, Teruo Preparation of graphite matrix fuels containing thorium carbide, 23:22666
HANAPPE, F. Hafnium-180m activation analysis for hafnium, 22:33225
  Trace analysis of a few elements by neutron activation comparison with atomic absorption and isotope dilution, 25:15536
HANASZ, J. Chains of type I solar radio bursts, 21:2007
HANAUER, S. H. Design principles of reactor protection instrument systems, 22:50843 (ORNL-NSIC-51)
  Experimental investigation of spatial effects on the power spectra of a large reactor, 21:38723
  Measurement of gamma effects on observed subcritical power spectral density, 21:8060
  Measurement of reactor fluctuation spectra and subcritical reactivity, 22:35635
  Neutron fluctuation spectra of a large reactor, 23:2013
  Principles of design of reactor-protection instrument systems, 22:12059
  Reactor noise analysis using a pulse type detector, 21:27832 (ORNL-P-2880)

Reactor noise analysis using a pulse-type detector, 21:38531
Shutdown reactivity measurements at the ORR using noise analysis, 23:4330
Subcritical reactivity measurement using fluctuations from a pulse-type detector, 21:8086
Use of a pulse detector for reactor noise measurements, 24:41676
HANAUER, Stephen H. Technical safety issues for large nuclear power plants, 25:39271 (A/CONF.49/P-40)
HANAWA, Juichi Anemometric characteristics of semiconductor flowmeter, 22:2451 (JAERI-1142)
HANAWA, Sigeo Algebra generated by moments of current and the electromagnetic structure of the nucleon, 23:1612
HANAWALT, P. C. In vivo demonstration of repair replication, 24:48754
Instantaneous plotting of scintillation spectrometer output, 21:43272
Macromolecular synthesis in a thymine-requiring bacterium after ultraviolet irradiation, 21:16315
Normal replication of DNA after repair replication in bacteria, 21:22815
Repair following uv irradiation of E. coli, 25:27112
Repair of damaged DNA in eucaryotic cell: Tetrahymena pyriformis, 22:21587
Repair replication in the bacterial genome, 21:22392
HANAWALT, Philip Repair deficiency in a bacterial mutant defective in DNA polymerase, 24:34287
HANAWALT, Philip C. Excision-repair in Tetrahymena pyriformis, 24:9783
Molecular photobiology, 24:7757
Prog. rpt. on repair of damaged DNA in vivo, annual, 1966, 21:10727 (SU-326-P-7-17)
Prog. rpt. on replication, transcription, and repair of genetic material, 3/62—6/67, 22:19309 (SU-326-P-7-194)
Repair replication of DNA, 24:7755
Repair replication of DNA in vivo, 23:48270
Repair replication: its role in genetic stability, 25:8636 (SU-326-P-7-X-22)
HANAYAMA, Y. High-energy muon flux at sea level up to 8 TeV derived from observed burst size spectrum, 25:47723
Search for relativistic quarks in cosmic rays, 25:25279
HANAZAKI, Ichiro Electronic absorption spectra of cyclohexadienyl radical in γ-irradiated solids, 24:11609
Electronic structures and spectra cyclohexadienyl and related radicals produced by γ-irradiation, 24:29324
HANCE, A. B. Fabrication of 18-stage electron multiplier, 22:4502 (KAPL-3352)
Single-electron response of a porous KCl transmission dynode and application of polya statistics to particle counting in an electron multiplier, 21:16233
HANCHER, C. W. Biochemical separations, 22:16646 (ORNL-4075, pp 22-3)
Demonstration of reliability and reproducibility of large-scale production of purified tRNAs from E. coli K12 MO, 24:24959 (ORNL-TM-2904)
Engineering development of the pot processes for solidification of radioactive wastes, 21:10574 (CONF-660208-, pp 301-25)
Engineering separation of macromolecular biological substances, 22:27864 (ORNL-4204, pp 16-21)
Prog. rpt. on concentrating and desalting of protein solutions, 12/1/69—2/28/70, 25:8157 (ORNL-TM-3073)
Prog. rpt. on concentration and desalting of protein solutions, 9—11/69, 24:43895 (ORNL-TM-3001)
Prog. rpt. on Concentration and Desalting of Protein Solutions Program, 3—5/70, 25:20882 (ORNL-TM-3082)
Prog. rpt. on concentration and desalting of protein solutions program, 6—8/70, 25:31714 (ORNL-TM-3328)
Solidification of high level radioactive waste: pot calcination and rising level potglass processes, 21:131 (ORNL-TM-1584)
HANCHETT, James Whither now SNAP-8, 21:25706
HANCHEY, Penelope Pinocytosis and membrane dilation in uranyl-treated plant roots, 25:13353
Toxicity in oats by uranyl salts, 24:34052
HANCKOWIAK, J. Quasi-local terms in functional formulation of S-matrix theory, 22:41870
HANCOCK, B. W. Measurement of absorbed dose at a bone—tissue interface by means of a vacuum chamber, 23:22104
Vacuum chamber as an interface dosimeter, 22:38118
HANCOCK, D. A. Effect of strain on fission-track ages of tektites, 24:27227
HANCOCK, E. William Heart disease following radiation, 22:15077
Radiation-induced heart disease, 21:39516
HANCOCK, J. E. Complications in patients with squamous cell carcinoma, 24:21249
HANCOCK, J. R. Effect of neutron irradiation on the loss and rearrangement of dislocations in thin foils of fatigue-hardened copper, 23:6710
HANCOCK, James A. Jr. Radium source appliance for treatment of nasopharyngeal cancer, 21:406
HANCOCK, John A. Custom-tailored nuclear training, 24:18515
HANCOCK, N. H. Heaters for irradiation experiments, 21:19795 (CONF-660511-, pp 7.1.1-52)
Use of noble and refractory metal thermocouples in experimental irradiation equipment, 21:19796 (CONF-660511-, pp 7.2.1-5)
HANCOCK, P. Electrical conductivity of thoria based oxides, 25:40797
HANCOCK, R. Collision cascades in Au in energy range 3 to 169 keV, 23:12959 (RD/B/N-1212)
Collision cascades in Au in the energy range 3 to 169 keV, 23:34265
Method of measuring stopping cross-sections using recoil ions from radioactive decay, 22:29300
Solvent extraction of salicylates. III, 23:49918
Spectrometer for studying atomic collisions in energy range 5 to 100 keV, 22:28070
Stopping cross-section measurements in carbon using recoil ions from radioactive decay, 22:21850
HANCOCK, R. P. Prog. rpt. on use of aqueous solutions as emergency coolants, 4/1/68, 22:25135 (SNE-38)
Prog. rpt. on use of aqueous solutions as emergency coolants, 7/68, 22:42206 (SNE-40)
Prog. rpt. on use of aqueous solutions as emergency coolants, 10/68, 23:4276 (SNE-46)
Use of aqueous solutions as emergency coolants, 23:28492 (SNE-50)
HANCOCK, Walter H. Zero-field intensity oscillations following implusive excitation of hydrogen, 25:52623
HANCOX, N. L. Conversion of an automatic slide projector to transport radioactive foils to a pair of counters, 23:7896
Diffusion of water in concrete, 24:12491 (AEEW-R-482)
HANCOX, R. Economic feasibility of stellarator and Tokamak fusion reactors, 25:38504 (CONF-710607-129)
Minimum propagating current of a superconducting wire in liquid helium, 22:1100
Recent developments in superconductivity and its applications to fusion research, 25:30557 (EUR-4593, pp 83-93)
Small superconducting coils and applications to plasma physics, 25:19634
Stabilization of superconducting magnets, 22:11364
HANCOX, Roger Enthalpy-stabilized superconducting magnets, 23:1305
HANCOX, W. T. Dryout in reactor coolant channels, 24:20562
Flow oscillation in a channel heated by 19-rod bundles, 24:20560
Measurement of time-averaged voids by neutron diagnosis, 25:51924
HAND, J. E. ARMS aircraft recovery of lost ^{60}Co source, 22:45247 (EGG-1183-1395)
Humboldt Bay environmental radiation survey, 11/68, 24:29389 (CEX-67.6.2)
HAND, John E. Aerial detection and recovery of ^{60}Co source lost in interstate shipment, 23:13968 (CONF-690103-8)
Instrumentation for aerial surveys of terrestrial γ radiation, 22:2381
HAND, K. Effect of neutron irradiation upon oxidation of 20 wt percent Cr/25 wt percent Ni/Nb stabilized stainless steel by CO_2 between 580 and 840°C, 22:19593
HAND, L. Electron—proton beam at NAL, 24:52281 (TID-25473(Vol.1), pp 153-61)
Experiments on inelastic electron scattering, 22:22271 (CONF-670923-, pp 128-55)
Measuring total cross sections for 100-GeV photons, 24:51886 (TID-25473(Vol.4), pp 149-60)
Recent experimental developments in electromagnetic interactions, 22:17845
Secondary beam for muons and neutrinos for area 1, 24:52292 (TID-25473(Vol.1), pp 259-63)
HAND, L. N. Large momentum transfer inelastic muon scattering at NAL, 24:51910 (TID-25473(Vol.4), pp 85-99)
Muon pair production by 12-GeV/c negative π and K mesons on C and Fe, 23:23386
Muon-pair decay modes of the vector mesons, 21:27294
Neutrinos and muons in area 1, 24:52294 (TID-25473(Vol.1), pp 273-8)
Observation of muon pairs produced by high-energy negative π mesons, 21:2378
Observation of photoproduced neutral K mesons, 22:7427
Some rare decays in interactions of π and K mesons with carbon and iron, 22:22322
Study of 40 to 90 GeV neutrino interactions using a tagged neutrino beam, 24:52295 (TID-25473(Vol.1), pp 279-95)
HAND, Louis N. Slow external beam for the Cornell 2-GeV electron synchrotron, 23:27994
HAND, Russell E. Jr. Requirement of cellular synthesis for Kilham rat virus replication, 25:13608
HAND, T. W. Controlled avalanche caused by electron cyclotron acceleration, 25:27698
HANDA, Hajime Chemotherapy and radiation therapy of malignant brain tumors, 22:31140
Sequential brain imaging as an aid in understanding disease etiology, 25:35174
Serial brain scanning with /sup 99m/Tc, 23:50667
Serial brain scanning with radioactive xenon and scintillation camera, 24:48611
Technetium-99m and /sup 113m/In scans in 101 intracranial tumors, 24:774
HANDA, Jyoji Sequential brain imaging as an aid in understanding disease etiology, 25:35174
Serial brain scanning with /sup 99m/Tc, 23:50667
Serial brain scanning with radioactive xenon and scintillation camera, 24:48611
Technetium-99m and /sup 113m/In scans in 101 intracranial tumors, 24:774
HANDA, M. Fission gas release loop, 21:21764 (JAERI-1121)
In-pile release of fission gas from graphite, 24:44799
HANDA, Muneo Ceramic fuels with the use of fission gas release loop. I, 21:27810
Diffusion of fission products in ceramic fuels, 21:27841
Formation of UO_2 by the oxidation of uranium iodides, 21:1371
Studies on ceramic fuels with the use of fission gas release loop. III, 21:38677
HANDEL, D. Plasma-cyclotron interaction, 23:32388
HANDEL, H. On-load fueling of Pebble-Bed high temperature reactors, 24:52940
HANDEL, Hubert Locking mechanism for a control rod, 21:5709
HANDEL, Karlheinz Safety device for nuclear reactors with means for preventing control rod ejection, 25:54068
HANDEL, P. H. Spin—orbit effects calculated for total reflection of polarized cold neutrons, 24:35804
HANDEL, S. K. Accelerating voltage and electron temperature in a FXR discharge, 21:43764
FXR discharge continuum, 22:17395
Influence of adsorbed gases on the emission of x-rays from exploding tungsten wires in vacuum, 22:21238 (UUIP-562)
HANDEL, Stanley F. Scintiphotographic evaluation of response of brain neoplasms to systemic chemotherapy, 25:42556
HANDELSMAN, R. Asymptotic theory of Cherenkov radiation, 21:7391
HANDELSMAN, R. A. Asymptotic theory of Cherenkov radiation in inhomogeneous media, 22:34901
Low-energy scattering by long-range singular potentials, 22:35140
HANDELSMAN, Richard A. Uniformly valid asymptotic approximation for the quantized anharmonic oscillator at high energies, 23:16904
HANDELSMAN, Richard Allen Asymptotic theory of Cherenkov radiation, 21:18872
HANDEN, Poul-Ivar E. Use of irradiation plus heat for food preservation, 24:25624
HANDL, J. Coincidence-counter to measure the absorbed energy inside the cell, 24:44252 (EUR-4452, pp 363-72)
Correlation factor erg/cm^{2}R for low-energy x radiation, 23:12554
Moisture measurement in thin soil layers by absorption of gamma-rays in a capillary porous body, 25:23709
Sensitive gamma beam calorimeter, 24:4497 (UCRL-Trans-10399)
HANDL, Josef Sensitive bunched gamma calorimeter, 22:19164
HANDLER, Erika St. Single crystal x-ray diffraction study of H_2O, D_2O, $H_2{}^{18}O$ and $D_2{}^{18}O$ hexagonal ice, 23:11507
HANDLER, J. A. Radiosterilization of pharmaceuticals, 21:13092
HANDLER, R. Asymmetry parameter for $\Lambda^0 \rightarrow n\pi^0$, 24:24222
New test of T invariance in p—p scattering, 21:44421
Proton—neutron triple scattering at 425 MeV. I, 23:5533
Proton—proton triple scattering at 430 MeV, 22:34843
Spark chamber—computer system for measurement of proton polarization, 21:39228
HANDLER, Thomas Minimizing angle errors due to multiple scattering, 25:34950 (CONF-700623-(Vol.1), pp 325-33)
HANDLER-BERNICH, E. Interaction between thymidylic acid and sulfhydrylamine radioprotectors, 25:26279
HANDLEY, B. J. RESAP: program for least squares analysis of γ spectra involving intermixed standard samples, 24:19228 (CTC-25)
HANDLEY, G. R. Effect of water sprinklers on array criticality safety analyses, 25:4282
Evaluation of shipping containers in vermiculite-filled 55-gallon drums, 22:51207 (Y-DD-19)
Users manual for HANDY, 22:39973 (Y-1615)
HANDLEY, M. F. Pressure distribution inside model storage hoppers during discharge of granular materials, 23:35399 (EUR-4190, pp 321-42)
HANDLEY, R. Dose-depth relation for a collimated ^{90}Sr—^{90}Y beam, 24:44498
Strontium-85 translocation in plants, 21:22314
Strontium-90—^{90}Y beta dosage-depth relationships in polyethylene absorbers, 24:44489 (UCB-34-P-147-X-3, pp 5-9)
Translocation of carrier-free ^{85}Sr, ^{137}Cs, and ^{106}Ru in woody plants, 25:10955
HANDLEY, R. E. Joining of tungsten sheet, 21:9124
HANDLEY, Raymond Effect of various cations upon absorption of carrier-free cesium, 21:28458
Uptake of carrier-free ^{137}Cs by Ramalina reticulata, 22:51324
HANDLEY, T. Proton reaction determination of lithium and fluorine in molten salt reactor graphite, 22:47101
HANDLEY, T. H. Activation analysis with ^{252}Cf, 24:16473
Alpha decay of holmium nuclei: new isotope, ^{154}Ho, 22:3718
Evidence for photofission of iron, 21:38260
Neutron activation analysis with ^{252}Cf sources, 23:2226
Nuclear spectroscopy in the neutron-deficient 173 less than or equal to A less than or equal to 185 region, 23:7287
Photonuclear reactions in iron and aluminum, 24:52528
Proton reaction analysis for lithium and fluorine in graphite, using slit scanning technique, 22:37650 (ORNL-TM-2238)
Search for ^{173}Hf α decay, 24:30812
HANDLEY, Thomas H. Fluid supported capsule holder for homogeneously irradiating samples, 25:13208
Quantitative electrodeposition of actinides from dimethyl sulfoxide, 23:13954
HANDLOSER, J. E. Operation health physics: in-house or commercial services, 23:45761 (EGG-1183-2177)
HANDLOSER, L. Steric factors in the cationic rearrangement of substituted cyclobutanes, 25:29049
HANDRECK, K. A. Cobalt distribution in several pasture species grown in culture solutions, 23:38413
HANDRICH, E. Hyperfine splitting of levels of Mn I and quadrupole moment of ^{55}Mn, 23:42884
Level-crossing experiments in Tm I and Sm I spectra, 23:51378
HANDRICK, G. Richard Potential antiradiation drugs. II, 21:22498
Potential antiradiation drugs. III, 21:10978
HANDSHUH, Jerry W. Nuclear materials management procedures manual, 24:29480 (DUN-M-4(Rev.2))
HANDSTEIN, A. Determination of lower critical field H/sub cl/ of hard Type-II superconductors, 25:25040

- HANDWERK, J. H. Behavior of urania—rare-earth oxides at high temperatures, 24:3041
  - Elastic and anelastic response of polycrystalline UO$_2$—PuO$_2$, 24:25787
  - Electrical and thermal properties of some actinide compounds, 22:26085
  - High temperature mechanical properties of uranium compounds, 24:8192
  - Method of preparing a fuel material for use in a nuclear reactor, 23:16521
  - Nuclear fuel materials, 22:19645
  - Plutonium fuel development for fast reactors in U.S, 21:11191 (CONF-661003-13)
  - Plutonium fuel development for fast reactors, 23:8141
  - Preparation and properties of some groups V and VI compounds of Pu, 21:32959
  - Strengths of some uranium compounds, 25:35551
- HANDWERK, Joseph H. Method of preparing fuel plates for a nuclear reactor, 25:37998
  - Peas-in-a-pod nuclear reactor element, 23:21563
- HANDY, Nicholas C. Long-range behavior of Hartree—Fock orbitals, 23:16666
  - Self-consistent-field atomic wave functions from efficient nested basis sets, 24:23827
- HANEDA, Mikio Device for adjusting the water level of a nuclear reactor, 22:14282
  - Nuclear reactor system, 22:14351
  - Reactor containment vessel, 22:7870
  - Reactor for irradiation tests, 22:50821
  - Water-and-vapor separating device for a boiling-water reactor, 22:7872
- HANEDA, Yoshiji New method for radiographic visualization of the bronchopulmonary lymphatic system, 23:38674
- HANEK, P. Rare localization of a thyroid cancer metastasis, 24:23286
- HANERFELD, Harold BISE: two-vertex kinematic program, 21:35267 (UCRL-17473)
  - Bounds for the roots of certain polynomials and matrices, 22:47067 (UCRL-18267)
- HANES, Earl R. Jr. Isotope effect in β zirconium, 25:6304 (N-70-33049)
- HANES, H. D. Beryllium, 22:4750 (NP-17108)
  - Beryllium, 22:34019
  - Beryllium, 23:24882
  - Beryllium: low-oxide fine grain wrought Be, 22:40994
  - Fabrication of complex beryllium shapes by gas-pressure compaction, 21:14806
  - Fabrication of complex beryllium shapes by gas—pressure compaction, 22:28764
  - Physical metallurgy of beryllium, 25:648 (AD-487626)
  - Powder metallurgy of beryllium, 25:627 (AD-821672)
- HANES, Hugh D. Making the most of beryllium, 23:12427
  - Summary of current beryllium R and D programs, 25:47102 (NMAB-272, pp 569-81)
- HANEVELD, A. J. Klein Crystal structure of stoichiometric uranium ditelluride, 24:27902
  - Erbium diselenide, 25:43004
- HANEVIK, A. Fuel element experience at Halden Boiling Water Reactor, 22:30265
  - Irradiation damage and safety analyses of HBWR pressure vessel, 24:14845
  - Irradiation experience with first UO$_2$ Al clad fuel assembly tested in HBWR, 22:44824 (HPR-100)
  - Irradiation experience with UO$_2$ Al clad fuel element tested in HBWR, 21:14790 (KR-112)
  - Irradiation of steels for reactor pressure vessels, 21:507 (RCN-57)
- HANEVIK, Amund Irradiation damage in HBWR pressure vessel materials, 22:17146 (HPR-91)
  - Post irradiation examination of the burn-out assembly ifa-38, 22:37442 (HPR-98)
- HANEY, E. G. Inhibition of methanol cracking of Ti—6Al—4V foil: effect of pretreatments with aqueous solutions of electrolytes, 25:22018
- HANEY, Max A. Correlation of excess energies of electron-impact dissociations with the translational energies of the products, 22:34265
- HANEY, Thomas A. Physical and biological properties of a /sup 99m/Tc-sulfur colloid preparation containing disodium edetate, 25:21530
  - Preparing sterile radioactive material, 23:28982
  - Radioactive package and container therefor, 22:23251
- HANEY, W. A. Atomic energy and IHD, 21:45236
  - Effects of Ben Franklin Dam on Hanford, 21:32347 (BNWL-412)
- HANFLING, R. MCR critical assembly shield experiments, 22:32922 (GMAD-3078-26)
  - MCR critical experiments program, 22:32923 (GMAD-3078-27)
- HANFT, R. W. 3π mass spectrum produced by π^-p at 5 and 7.5 GeV/c, 22:48225 (COO-1195-132)
  - Observation of the A_2^- meson in 5 GeV/c π^-p, 22:46334 (COO-1195-133)
  - Partial wave analysis of 3π decay of A_2, 24:45422 (COO-1195-193)
  - Partial-wave analysis of the 3π decay of the A_2, 24:49472
  - Reaction $\pi^-p \rightarrow p\pi^-\omega^0$ at 5.0 and 7.5 GeV/c, 24:40259 (COO-1195-188)
  - Study of 4π enhancements in π^-p at 5.0 and 7.5 GeV/c, 22:48226 (COO-1195-134)
- HANFT, Raymond William Strange particle production in π^-p and π^+n interactions at 2.5 GeV/c, 21:35266 (COO-1195-94)
  - Strange particle production in π^-p and π^+n interactions at 2.5 GeV/c, 22:29639
- HANG, D. F. Economic effects of nuclear fuel management, 23:28386
  - Graduate engineering practice school, 21:36210
  - Thermal analysis of forced cooling system of Illinois advanced TRIGA reactor, 22:33017
- HANG, Daniel F. Continuing education in nuclear engineering, 24:7062
- HANG, Kenneth W. Heats of transition in NaNbO$_3$, 22:49819
  - Role of certain impurities in heats of transition of PbZrO$_3$, 23:5090
- HANGANUT, M. Production of isotopically pure targets in electromagnetic mass separators by ion-beam retardation, 25:31069
- HANGANUT, Marius Numerical method for studying the optics of the electromagnetic isotope separators with axially symmetric magnetic field, 25:44523 (BMBW-FBK-70-28, pp 345-65)
- HANGAY, G. Radiation sterilization of thyroid, 22:52098
  - Radiosterilization of pharmaceutical materials, 22:52105
  - Sterilization of hydrocortisone eye-ointment by γ irradiation. I, 22:52100
  - Sterilization of hydrocortisone eye-ointment by γ irradiation. II, 22:52101
- HANGAY, Gyoergy Radiation sterilization of an ophthalmic ointment containing hydrocortisone and chloramphenicol. IV, 25:27161
  - Radio-sterilization of a hydrocortisone acetate- and chloramphenicol-containing ophthalmic ointment. I, 25:8826
  - Radiosterilization of an ophthalmic ointment containing hydrocortisone and chloramphenicol. II, 24:51125
  - Sterilizing by radiation in pharmaceutical industry, 24:34823
- HANGAY, Gyorgy Radiosterilization of an ophthalmic ointment. II, 25:612
  - Resistance of solid susbstances to gamma radiation, 25:34660
- HANGER, B. C. Distribution of ^{65}Zn in pear trees following bark injection, 21:26360
  - Distribution of ^{65}Zn in pear trees following bark injection, 22:2492
  - Effect of P and Zn on ^{65}Zn distribution in clover and flax, 23:20085
  - Interaction between calcium level and nitrogen source on growth and ^{45}Ca distribution in subterranean clover, 23:38412
  - Mobility of ^{65}Zn in trifolium subterranium L. and antirrhinum majus L, 23:35611
  - Movement of foliar-applied ^{45}Ca in brussels sprouts, 23:38411
  - Redistribution of ^{45}Ca in T. subterraneum L. and Antirrhinum majus L, 22:28317
- HANI, B. M. Effect of gamma radiation on bacterial nodules formation of peas, 24:51095
- HANIF, J. Liquid—liquid extraction of Np(V) using 1-nitroso-2-naphthol and its radiochemical separation from fission products, 24:11674
- HANIF, M. Heat sources in intergalactic medium, 22:17217
- HANIGER, L. System of control of A-1 nuclear reactor with moving chambers, 24:47689 (ZJE-79)
- HANIS, M. Changes in winter wheat variety caused by mutagens, 24:23172
  - Mutants resistant in winter wheat, 24:23170
- HANJALIC, Kemal Simulation of nucleate pool boiling, 23:4775
- HANKART, L. First fabrication cycle of Pu, ^{20}C irradiation samples, 24:44757 (DP-Report-404)
- HANKART, L. J. Development of production process for fabrication of zirconium/uranium monocarbide fuel kernels for the first charge of the Dragon reactor, 24:42197 (DP-Report-292)
  - Experiments on heat treatment of fuel kernels prepared by Sol—Gel process, 24:41000 (DP-Report-333)
  - Post-irradiation metallographic examination of fuel cartridges from two uprated fuel elements discharged from Dragon reactor, 25:24663 (DP-Report-583)
- HANKE, C. C. Precision dosimetry system suited for low temperature radiation damage experiments, 21:17896
  - Precision energy loss measurements for natural alpha particles in argon, 23:41916 (USC-136-148)
  - Precision energy loss measurements for natural alpha particles in argon, 25:11726
  - Stopping power of Be, Al, Cu, Ag, Pt, and Au for 5- to 12-MeV protons and deuterons, 21:13377
  - Stopping power of elements $Z = 20$ through $Z = 30$ for 5- to 12-MeV protons and deuterons, 23:1210
- HANKE, H. Design and optimization of a fast heat pipe thermionic reactor, 25:57134
- HANKE, W. Solution of the stationary neutron transport equation with spherical symmetry, 24:33082 (JUL-634-MA)
- HANKE, Wilhelm Improvements in grippers, 24:20646
  - Improvements relating to pulsed nuclear reactors, 22:48761
  - Positioning device for a nuclear reactor loading machine, 24:20647
  - Pulsed nuclear reactors, 22:14287
  - Safety coupling for a rotating wheel which produces pulses in the reactivity of fast nuclear research reactors, 21:2886
- HANKEL, R. D. Reanalysis of N.S. Savannah loss-of-coolant accident, 22:42302 (DOCKET-50238-22)
- HANKEN, Albert F. Dual channel radiation gauge for identifying material components, 23:22113
- HANKER, Ivo Dispersal flights of Meligethes aeneus marked with ^{32}P, 22:8467
- HANKER, Jacob S. Electron microscopic visualization of embedded antigen by bridging osmium to U antibody with thiocarbohydrazide, 21:22315
  - Immuno-diazothioether-osmium tetroxide (immuno-DTO) technique for staining embedded antigen in electron microscopy, 21:6421
- HANKES, Gerald H. Radio-chloride (^{36}Cl) as a continuous monitor of ECW in the dog, 25:49097
- HANKEY, Alex Nonlinear realizations of conformal symmetry, 25:33788
- HANKIEWICZ, E. Ionic processes in the radiolysis of liquid benzene as studied by tritium substitution, 24:9362
  - Radiation and photochemically induced tritium substitution in aromatic hydrocarbons, 22:16577
- HANKIEWICZ, Ewa Achievements of the pure and applied radiation chemistry in Poland, 25:2217
- HANKIN, B. C. Numerical solution of the unsteady radiative-transfer equation, 25:59114
- HANKINS, D. E. Counting of broken sulphur pellets and increasing the counting efficiency of sulphur pellets, 23:45560
  - Phosphorus-32 activation of hair samples, 24:2666
- HANKINS, Dale E. Dose estimates for criticality excursion at LASL, 22:27465 (LA-3861)
  - Energy dependence of albedo neutron dosimeters placed on the head, 24:33944 (LA-4341)
  - Modified-sphere neutron detector, 21:10606 (LA-3595)
  - Multisphere neutron-monitoring technique, 22:36110 (LA-3700)
  - Response of selected neutron monitoring instruments to several types of neutron sources, 21:26191
  - Study of a thermal neutron calibrator, 25:54892 (LA-4745)
  - Study of selected criticality-dosimetry methods, 22:36111 (LA-3910)
- HANKINS, T. H. Microsecond intensity variations in radio emissions from CP 0950, 25:58562
- HANKINSON, John Cerebral implantation of radioactive material, 21:22546
- HANKLA, Robert H. ESR study of ^{60}Co-irradiated phenanthrene, 21:38992
- HANKS, Alan R. Effect of DMSO in x-irradiated and nonirradiated rats, 24:34398
  - Effect of epinephrine in oil on susceptibility of x-irradiated rats to experimental bacterial endocarditis, 24:41980
  - Effect of regional shielding on bacterial endocarditis in x-irradiated rats, 24:50932
  - Effect of regional shielding on plasma enzyme changes after x-irradiation, 23:16238
  - Serum intestinal alkaline phosphatase after whole-body or regional x-radiation, 24:27528
- HANKS, C. L. Effect of radiation on electrical insulating materials, 24:1109 (N-69-33236)
  - Effects of nuclear radiation as part of the temperature—vacuum—power environment, 22:12729
  - Reliability of electronic components in nuclear—radiation environment. I, 21:34552 (N-67-17969)
- HANKS, G. E. Absence of recovery in endogenous colony-forming cells after irradiation, 21:11000 (AD-644117)
  - Effect of anoxia on radiation injury and recovery, 23:41360
  - Endotoxin protection and colony-forming units, 22:17028
  - Injury accumulation and recovery in sheep exposed to protracted ^{60}Co gamma radiation, 21:14658
  - Injury accumulation and recovery in sheep exposed to protracted ^{60}Co gamma radiation, 21:18122 (USNRDL-TR-1053)
  - Injury accumulation and recovery in sheep during protracted gamma irradiation, 22:12930
  - Management of cervical lymph node metastasis by megavoltage radiotherapy, 23:12163
  - Radiological findings in radiation-induced enteritis and colitis, 24:48724
  - Surgical therapy for radiation enteritis, 23:29596
- HANKS, G. S. Brazing of nickel—chromium alloy 718, 22:23741
  - Fabrication of OWR gamma shield assemblies, 25:42816 (LA-4644)
  - Measurement and interpretation and application of parameters important to electron beam welding, 24:44681
- HANKS, Gerald E. Apparent absence of recovery in endogenous colony-forming cells after irradiation under hypoxic conditions, 22:38454
  - Effect of anoxia on radiation injury and recovery, 22:548
  - Megavoltage radiation therapy and lymphangiography in ovarian cancer, 24:2750
- HANKS, K. S. Initial equilibrium configuration of Scyllac 5-meter toroidal-sector experiment, 25:19725 (LA-4597)
- HANKS, K. W. Cable cartridges for Scyllac, 24:24039 (LA-4250, pp Cl.3.1-8)
  - Design and installation of Scyllac, 25:30564 (EUR-4593, pp 227-39)
- HANKS, Thomas C. Comparison of P-wave spectra of underground explosions and earthquakes, 25:32098
- HANLE, D. R. Particle accelerators, 21:40341
- HANLE, H. Detection of high energy γ-quanta with a pair-spectrometer, 25:57804
  - Investigation of the ^{192}Ir and ^{194}Ir level structures, 24:47600
  - Neutron capture γ-rays from ^{192}Ir and ^{194}Ir, 25:46039
  - Pair spectrometer: Ge(Li)-NaI(Tl), 25:6554 (IKF-26)
- HANLE, W. Coherence radiation of atoms and atomic nuclei in external magnetic and electric fields, 23:20718
  - Measurement of decay periods of the luminescence during the excitation by electrons, 21:35224 (ANL-Trans-496)
- HANLEN, D. F. Modular concepts approach for individual training needs of reactor plant personnel, 25:6211
  - Nuclear physics made very, very easy, 22:44954 (NTO-T-0026)
  - Westinghouse reactor operator training manual, 24:28892 (WCAP-2713(Rev.))
- HANLEY, C. M. Long-term behavior of the Seyfert galaxy 3C 120, 24:4967
- HANLEY, H. J. M. Critique of high-temperature viscosity measurements of Trautz and Zink, 25:41648 (LA-4643)
  - Viscosity and thermal conductivity coefficients of fluid ^{4}He, 23:23036
- HANLEY, Howard J. M. Transport phenomena in fluids, 24:39137
- HANLEY, P. E. Sorption pumped ^{4}He II cryostat for sustaining temperatures below 1°K for long periods, 25:5065
- HANLEY, P. R. Acceleration of intense positive ion beams at megavolt potentials, 23:27957

- Annealing of neutron- and γ-induced defects in KBr, 23:14873
- Inert gas ion beams from a duoplasmatron ion source, 23:27942
- Performance of ANL Dynamitron tandem, 25:50292
- Tandem Dynamitron, 23:27949
- Water cooled targets for intense ion beams, 21:19095 (NYO-3822-1)
- **HANLEY, Peter Ronald** Thermally stimulated conductivity of irradiated alkali halides, 25:3202
- **HANLON, David P.** Permeability of the hamster placenta to radioactive cadmium, 24:558
- **HANN, C. R.** Achieving high exposure in metallic uranium fuel elements, 24:47861
  - Basic swelling studies, 23:39007 (BNWL-1058, pp 9.1-16)
  - Basic swelling studies, 23:46089 (BNWL-1144, pp 9.1-9)
  - Controlled temperature—pressure irradiation capsules, 22:4316
  - Controlled temperature—pressure irradiation capsules, 22:6136 (BNWL-SA-1377)
  - Controlled temperature-pressure irradiation capsules, 21:20535 (CONF-660511-, pp 3.4.1-19)
  - Fission gas induced swelling in uranium, 23:22616
  - Metallographic observations of swelling in U_3Si, 24:14961 (BNWL-1195)
  - Postirradiation examination of centrifugally bonded EBR-II driver fuel, 24:7189
  - Technique for annealing irradiated uranium under high hydrostatic pressures and temperatures, 23:14342
  - X-ray diffraction studies of irradiated U_3Si, 23:22706
- **HANNA, A. M.** Cross-section measurements for reaction ^{10}B(tau,α)^{9}B at 34 MeV, 25:48033
- **HANNA, Alfonse A.** Characteristics of a radio-frequency ion source with central constriction and radial extraction, 24:45669
- **HANNA, Calvin** Effect of β-rays on DNA synthesis during corneal wound healing, 23:41240
  - Labeling of marrow cells of vitamin E-deficient monkeys, 23:22241
- **HANNA, Fikri** Deuterium-oxide dilution as a predictor of body composition, 23:22205
- **HANNA, G. C.** Measurements of alpha and of fission cross-section ratios for ^{233}U, ^{235}U, and ^{239}Pu at thermal energies, 25:15070
  - Ratio of capture to fission in ^{235}U and ^{239}Pu, 21:5527 (AECL-2618)
  - Technical minutes of the fourteenth meeting of the committee, Argonne National Lab., October 26—29, 1970, 25:46095 (EANDC-87-U)
- **HANNA, G. L.** Full-energy-peak efficiencies of three gamma-ray detectors, 21:32361 (AAEC/TM-384)
- **HANNA, H. A.** Static detector, 25:60275 (MHSMB-24)
- **HANNA, H. J.** "Inertness" of LiF, 21:45637
- **HANNA, I. R.** Experience developed in monitoring and control of radiation in U.A.R, 25:52089 (A/CONF.49/P-142)
- **HANNA, I. R. A.** Assessment of accidental external exposure and internal contamination of workers and medical management, 24:7858
- **HANNA, J. S.** Shell-model calculation for reaction ^{15}N(p,n)^{15}O, 22:29908
- **HANNA, John Stewart** Shell-model calculation for reaction ^{15}N(p,n)^{15}O, 23:44847
- **HANNA, K. M.** Optical model and gaint resonances, 23:47084
- **HANNA, L. E.** Neutron radiography of Apollo ordnance, 25:51740
- **HANNA, M. G. Jr.** Computer program for inbred and/or hybrid animal breeding and production colonies, 22:39964 (ORNL-TM-2210)
  - Conference on morphology of experimental respiratory carcinogenesis, Gatlinburg, Tennessee, 5/1970, 25:32526 (CONF-700501)
  - Effect of serum alpha macroglobulin on regeneration of hemopoietic tissue after x-irradiation, 22:45625
  - Effects of chronic exposure to artifical smog and chromium oxide dust on the incidence of lung tumors in mice, 24:27675 (CONF-691001-, pp 305-20)
  - Serum alpha globulin fraction: survival-and-recovery effect in irradiated mice, 21:41438
- **HANNA, Melvin W.** Electron paramagnetic resonance study of L-alanine irradiated at low temperatures, 21:14255
  - ESR studies of radical fragments produced in x-irradiated disodium succinate, 23:45353
  - ESR Studies of radical fragments produced in x-irradiated monosodium succinate and disodium malonate, 24:9363
  - ESR studies of trapped CO_2^- radicals in x-irradiated succinic acid, 24:4330
  - ESR study of L-alanine-1-^{13}C irradiated at low temperatures, 23:19790
- **HANNA, N. N.** Decay of a thermalized neutron pulse in graphite, 23:39916
  - High current radio frequency ion source, 23:44787
  - Improvements to a pulsed neutron generator, 21:7608
  - Radio frequency ion source, 22:50677
- **HANNA, Nabil N.** Neutron thermalization measurements in graphite, 23:21219
- **HANNA, P. B.** Auroral colour variations, 25:33123
- **HANNA, R. C.** Measurement of the p-^{4}He differential elastic scattering cross section at 49 MeV and phase shift analyses of p-^{4}He scattering, 21:23408
  - Polarization of neutrons from (p,n) reactions on ^{2}D, ^{6}Li, and ^{7}Li nuclei, 23:49318
- **HANNA, R. W.** Test and evaluation of Alco/BLH prototype sodium-heated steam generator (final report), 25:51673 (LMEC-Memo-70-20)
- **HANNA, S. B.** Relationship between kinetic hydrogen isotope effects and transition state symmetry in electrophilic aromatic substitution, 24:4271
- **HANNA, S. G.** Internal and external conversion studies on the decay of ^{143}Ce, 21:25553
- **HANNA, S. S.** Evidence for isobaric splitting of giant resonance from reaction ^{89}Y(p,γ_0)^{90}Zr, 22:7685
  - Gamma decay of lowest $T = 3/2$ state of ^{13}N, 22:26841
  - Giant dipole resonances in ^{11}C and ^{15}O, 25:20277
  - Giant dipole resonances in p-shell nuclei, 22:26914
  - Internal field for Fe ions implanted in Fe, 22:46750
  - Inverse photonuclear process in ^{16}O, 21:46680
  - Isobaric analogue states, 24:43596
  - Isobaric spin effects in ^{10}B + p, 21:25434
  - Isopsin splitting of E1 resonances in ^{88}Sr and ^{90}Zr, 24:6852
  - Lifetime of the first excited state of ^{11}Be, 25:43820
  - Lifetimes and magnetic moments of levels in ^{57}Fe, 24:6858
  - Lifetimes of levels in ^{12}C, ^{13}C, and ^{13}N, 23:15385
  - Lifetimes of levels in $A = 10$ nuclei, 23:15357
  - Lowest $T = 2$ level in ^{28}Si observed in ^{24}Mg + α reactions, 23:15410
  - Magnetic moments, polarizations, and lifetimes by recoil implantation, 22:27003
  - Moessbauer effect by recoil implantation through vacuum, 22:46270
  - Observation of $T = 2$ and $3/2$ levels by compound-nucleus reactions, 22:26989
  - Observation of $T = 2$ level in ^{20}Ne as a compound nucleus resonance, 21:42567
  - Observation of $T = 2$ level in ^{24}Mg as a compound-nucleus resonance, 21:38269
  - One-crystal NaI spectrometer, 22:36085
  - Radiative transitions of analog states in the p-shell, 22:26870
  - $T = 2$ levels in ^{20}Ne, ^{24}Mg, and ^{32}S, 23:46957
  - $T = 3/2$ states in ^{13}N observed in reaction ^{12}C(p,p)^{12}C, 21:29907
  - Transition rates of analog levels in $A = 10$ nuclei, 21:9936
- **HANNA, Samir B.** Oxidative decarboxylation of polyaminocarboxylic acids. II, 25:54422
- **HANNA, Stanley S.** Analog resonances formed in isospin forbidden reactions and splitting of the E1 giant resonance, 25:28222
  - Electromagnetic decay of isobar analogue states, 24:40701
- **HANNA, Steven R.** Urban micrometeorology, 24:5763
- **HANNA, William T.** Performance of experimental SNAP-8 power conversion system, 23:31211 (N-69-20868)
- **HANNA, Z. G.** Influence of buffers on sensitivity in spectrochemical analysis of glass-making sands, 23:11425
  - Influence of buffers on spectrochemical analysis of glass-making sands, 23:11426
- **HANNABUSS, K. C.** Localizability of particles in de Sitter space, 25:58660
- **HANNAERT, H.** Coolant properties, 22:20817 (CONF-660553-4)
  - Effect of methods of purification of organic coolant on economy of ORGEL Power Station, 22:30271
  - Purification of organic reactor coolants, 22:42809 (CONF-660553-8)
- **HANNAFORD, B. A.** Leaching of sheared, unirradiated stainless-steel-clad and Zircaloy-2-clad UO_2 and UO_2—ThO_2, 23:38028 (ORNL-3984)
  - Low-pressure distillation of a portion of the fuel carrier salt from the Molten Salt Reactor Experiment, 25:48259 (ORNL-4577)
- **HANNAH, I. W.** Specification of concrete vessels for gas-cooled reactors, 23:11229
- **HANNAH, J. H.** Thermal transport properties of limestone concrete, 23:46154 (ORNL-TM-2644)
- **HANNAH, R. G.** Development of an advanced space radiation system, 25:41978
- **HANNAH-ALAVA, Aloha** Induced crossing-over in Drosophila males, 22:49298
  - Sex-ratio depression as a brood-pattern criterion of radiation damage in D. melanogaster, 23:20338
- **HANNAM, M. J.** Examination of sol-gel UO_2 surfaces, 23:30188
- **HANNAN, A. H. M. A.** Angular distribution of protons from the (d,p) reaction in ^{54}Fe, 21:29920
  - Angular distribution of protons from (d,p) reactions in ^{54}Fe, 22:26945
- **HANNAN, M. A.** Dark repair of uv-irradiated haploid Saccharomyces carlsbergensis, 25:42725
- **HANNAN, Roy Barton** Printing and readout system utilizing coding components for symbols, 24:46531
- **HANNANT, D. J.** Strain behavior of concrete up to 95°C under compressive stresses, 23:10317
- **HANNAPEL, R. J.** Liquid-scintillation technique for the radioassay of ^{45}Ca, 21:15844
- **HANNAUT, J.** Prog. rpt. on growth of C deposition from CO, annual, 3/64—2/65, 24:42200 (DP-Report-394)
- **HANNEMA, U.** Titration curves of compleximetric back-titrations. III, 24:18879
- **HANNEMAN, G. D.** Changes in sodium and potassium content of urine from mice subjected to intense magnetic fields, 25:6645
- **HANNEMAN, G. P.** Spallation threshold tests on Nb, Ta, and Zr, 22:52131 (BNWL-756)
- **HANNEMAN, R. E.** Local compositional changes in alkali silicate glasses, 21:27245
  - Particle track studies of lunar material, 24:21541
- **HANNEMANN, D.** Energy production by radionuclides, 22:23219 (DLR-MITT-66-07, pp 73-82)
  - Radionuclide generator with thermionic converter, 21:29082
- **HANNER, D. W.** Graphite high-temperature bearings, 21:26127 (UCRL-70174)
  - High-temperature testing and evaluation of graphite helical-screw expanders and compressors, 21:30601
- **HANNER, Martha S.** Light from reflection nebulae. II, 24:46884
  - Light from reflection nebulae. III, 24:46883
  - Light from reflection nebulae. IV, 25:22259
- **HANNER, Martha Safford** Light scattering in reflection nebulae, 24:34989
- **HANNERZ, K.** Fast reactor assessment study, 24:33356
  - Fuel cycle performance potential of sodium and gas cooled fast breeder reactors, 24:24841
  - Heavy water reactor, 23:6015
  - Steam-cooled fast reactor: a pilot study, 22:50757
  - Swedish fast reactor program steam cooled reactor studies, 22:16199
- **HANNERZ, Kare** Boiling heavy water reactor, 22:30276
  - Improvements in nuclear reactors, 24:5525
  - Power control in nuclear reactors, 23:40357
- **HANNERZ, L. O. G.** Summary of research carried out in Sweden, 24:34217
- **HANNERZ, N. E.** Irradiation hardening of iron, 24:48865
- **HANNERZ, N-E.** Irradiation effects at 160 to 240°C in some Swedish pressure vessel steels, 21:43639 (AE-298)
- **HANNESSON, G.** Radurization of scampi, shrimp, and cod, 25:42746 (STI/DOC-10/124)
  - Survey in Iceland on radiation pasteurization of seafoods, 25:24499
- **HANNEY, P. M.** Optics of beam transfer channels, 24:35765
- **HANNGREN, Ake** Comparison of the distribution of demethylchlortetracycline and radiocalcium in whole-body sections of tumor-bearing mice, 23:31617
- **HANNIG, R.** Separation of calcium and strontium by liquid ion exchange, 25:31769
- **HANNINK, R. H. J.** Brittle-region slip systems in the transition-metal carbides, 25:52444
- **HANNISDAHL, Birger** Body burden of ^{137}Cs in Norwegian civilian pilots, 22:45532
  - Cesium-137 body burden of civilian pilots, 21:24295 (NYO-3364-32)
  - Radioactivity in civilian Norwegian pilots, 21:28466
- **HANNON, Beth H.** Tables of arithmetical functions related to Fibonacci numbers, 22:37631 (ORNL-4261)
- **HANNON, F. L.** Remote maintenance systems in the TRU, 21:6109
- **HANNON, J. P.** Interference of electronic and nuclear resonance absorption for Moessbauer E1 γ rays, 23:27718
  - Moessbauer diffraction. II, 24:6665
  - Moessbauer diffraction. I, 22:29568
  - Tests of time-reversal invariance of strong interactions utilizing Moessbauer effect, 22:50678
- **HANNON, James Patrick** Moessbauer gamma-ray diffraction, 22:11561
- **HANNON, M.** Bonding beryllium—copper alloys with high temperature thermoplastic. A report of a program undertaken to meet the problems confronting potential users, 25:35316
- **HANNOTHIAUX, A.** Development of the nuclear program of Electricite de France, 25:54035 (A/CONF.49/P-569)
- **HANNOTHIAUX, Andre** Conventional and nuclear thermal energy, 25:57002
- **HANNOVER, H.** Alternative treatment of the three-body problem, 25:9891
  - Lee model with Coulomb interaction, 21:11817 (BMwF-FBK-66-22)
  - Three-body problem with Lee-type interaction, 22:17879
- **HANNOVER, Hilmar** Lee model with Coulomb exchange, 21:27447
- **HANNOVER, R.** Cation distribution in the nucleus and cytoplasm of rat livers, 25:46378 (LA-tr-71-57)
- **HANNULA, Fred W.** Radiation gauge system for tubular plastic film, 25:10890
  - Source-detector configuration for nuclear backscatter gauge, 24:14336
- **HANNUM, W. H.** Fast reactor development in the US, 22:18502
  - Fuel cycle cost implications of liquid plutonium reactor fuel, 21:31940 (LA-3655)
  - Seed-blanket converter-recycle breeder reactor, 22:1877
  - Some thoughts on AEC funded coding, 23:40430 (CONF-690401-, pp 119-29)
  - US/LMFBR integral experiments, 24:7071
  - Why coupled fast breeder reactors, 21:17456 (LA-DC-8288)
  - Work of the Committee on Computer Code Coordination, 25:57018 (CONF-710302-(Vol.1), pp 452-63)
- **HANNUM, William H.** Trip report to CEN Cadarache, France, 8/68, 22:50810 (TID-24696)
- **HANNWACKER, J.** Field measurements of variable β multi-stem accelerating structure, 22:50482 (BNL-12794)
  - TS zero mode and its role in field flattening of multi and tunable stem accelerating structures, 22:50479 (BNL-12791)
- **HANNWACKER, J. P.** Linac cavity field calculations, 21:2541 (BNL-10671)
  - Measurement on a multistem drift tube structure, 21:977 (BNL-10664)
  - Studies of multi-drive excitation for Alvarez structures, 21:38034
  - Studies of multistem drift tube accelerator structures, 21:38032
- **HANNY, J. A.** Metallurgy and Hot Cell Branch equipment capabilities manual, 22:25571 (IN-1176)
- **HANO, Ichiro** Application of the maximum principle to reactor control, 22:6031
- **HANOK, Albert** Creatine phosphokinase and other serum enzymes during radiotherapy, 24:16994
- **HANONKIND, M. A.** Effect of atomic ionization on K x-ray transition energy, 25:40367
- **HANOUT, R.** Mathematical treatment of the kinetics of radiocesium in the ewe, 25:46679
- **HANRAHAN, Donald J.** Ac losses of high-field superconductors, 25:25033
- **HANRAHAN, Donald Joseph** Ac losses of a high-field superconductor, 24:15223
- **HANRAHAN, F. P.** Automated pilot plant for removing radiostrontium from milk, 21:24431
- **HANRAHAN, L. R.** Fabrication of 18-stage electron multiplier, 22:4502 (KAPL-3352)
  - Single-electron response of a porous KCl transmission dynode and application of polya statistics to particle counting in an electron multiplier, 21:16233

- HANRAHAN, R. J. SPC-12 mass spectrometer routines, 24:41710 (ORO-3106-33)
- HANRAHAN, Robert J. Analysis of photolysis and radiolysis product mixtures, 23:49862
  - Detection and recognition of underground explosions, 21:1478 (NP-15686)
  - Determination of minor radiolysis products in liquid cyclopentane, 21:14239 (ORO-3106-17)
  - Gamma radiolysis of cyclohexane—perfluorocyclohexane solutions, 24:38968
  - Mass spectrometric investigation of minor products in the radiolysis of liquid cyclopentane, 23:2342
  - Prog. rpt. on radiation chemistry of hydrocarbon and alkyl halide systems, 8/70—7/71, 25:51511 (ORO-3106-41)
  - Radiation chemistry of phosphine and ammonia, 24:29318
  - Radiation chemistry of phosphine—ammonia mixtures in gas phase, 25:8299
  - Scavenger kinetics in radiolysis of cyclohexane solutions. II, 21:42977
  - Special gas chromatograph for use in gas phase radiation chemistry, 21:14149 (ORO-3106-21)
  - Use of phosphine as a free radical scavenger in the radiolysis of methyl iodide vapor, 25:8303
  - X-radiolysis of perfluorocyclobutane, 23:47554
- HANS, A. Determination of O in steels by neutron activation. II, 23:17362
  - Determination of O in steels by neutron activation. III, 23:17368
- HANS, H. K. Larmor radius and collisional effects on the combined Taylor and Kelvin instabilities in a composite medium, 22:39144
- HANS, H. S. Analysis of proton spectra from (n,p) reactions at 14 MeV, 23:19209
  - Nuclear temperatures from neutron-induced reactions, 24:15833
  - Resonance scattering of thermal neutron capture gamma rays, 21:15510 (CONF-660221-, pp 75-9)
- HANS, Harikrishan Radial pulsations of an infinite cylinder in the presence of helical currents, 21:36979
- HANS, Yukap Dominant nonadiabatic contribution to the long-range electron—atom interaction, 22:9060
- HANSARD, S. L. Dilution methods in body-composition studies, 23:22218
- HANSARD, Sam L. Transplacental movement of selected radiominerals, 24:23068 (CONF-690501-, pp 9-23)
- HANSART, A. Improvement of the yield of a high frequency ion source and its pulsation, 21:27485
- HANSCHKE, H. J. Results of cobalt tele-irradiation in bladder neoplasms, 23:31866
- HANSCHMANN, H. uv inactivation of NADH, 25:35107
- HANSEL, James G. Prog. rpt. on combustion of metals, final, 7/64—6/66, 21:43588 (SC-CR-67-2611)
- HANSELL, John D. Reactor heat transfer calculations, 24:4150
- HANSELL, John R. Effect of dimethyl sulfoxide on plasma enzyme changes in x-irradiated rats, 22:38358
  - Radioprotective effect of dimethyl sulfoxide in rats, 21:24491
- HANSEN, A. I. Prog. rpt. on Piqua nuclear power facility operations analysis, semiannual, 7/65—1/66, 21:7884 (NAA-SR-11995)
  - Prog. rpt. on Piqua power facility reactor operations, 1—4/66, 21:1169 (NAA-SR-Memo-12071)
- HANSEN, A. Karthum Effect of N_2O on x-ray induced degradation of benzoic acid, 23:47514
- HANSEN, A. R. Oxygen flask combustion analysis of ^{14}C and ^{3}H, 23:49739
- HANSEN, Aage E. Derivation of Hamiltonian for a charged particle, 25:38611
- HANSEN, Arthur G. Experimental study of MHD flow between concentric tubes, 21:39862
- HANSEN, B. A. Immunological reactivity and biological activity of iodinated insulin, 22:40545
- HANSEN, C. Small HTGR as plutonium burner, 23:37678
- HANSEN, C. Frederick Temperature dependence of $NO^+ + e$ dissociative—recombination-rate coefficient, 22:21849
- HANSEN, C. J. Fast evolution towards the white dwarfs, 23:51196
  - General relativistic instability in white dwarfs, 23:10361
  - High-density astrophysics, 22:15319
  - Numerical evaluation of electron-equations of state with pair creation, 22:49919
  - Pulsational stability of pure-helium stars of low mass, 25:13793
- HANSEN, C. L. Jr. Comparison of survival times of monkeys and rats exposed to pulsed and steady-state reactor radiations, 25:6802
- HANSEN, Calvin F. Prog. rpt. on the RF coupling system, 22:11753 (UCD-CNL-91)
- HANSEN, Carl ISIS: program for computerized fission data analysis, 25:59773 (AD-721481)
- HANSEN, Carl J. Calculation of a white dwarf supernova, 23:27217
  - Conference on nucleosynthesis, New York, 1/65, 23:10359
  - Element production in simple helium burning, 25:58508
  - Equilibrium and pulsational properties of the lower helium main sequence, 25:45184
  - Rate of the ^{12}C + ^{16}O reaction, 25:49610
  - Some weak interaction processes in highly evolved stars, 22:38684
  - Thermonuclear detonations in collapsing white dwarf stars, 25:40225
  - Vibrating neutron stars, 21:43738
- HANSEN, Carl John Neutrino emission from dense stellar interiors, 21:33106
- HANSEN, Carl W. Collimator and method of making same, 23:6297
- HANSEN, Chris A. Role of states and regional offices in the control of radiation, 24:34184 (CONF-690335, pp 34-8)
- HANSEN, D. L. Solubilization procedures for liquid scintillation counting of biological materials, 21:15870
- HANSEN, D. O. Ionization from iron atoms incident on various gas targets, 22:961
  - Mass analysis of ions produced by hypervelocity impact, 23:14603
- HANSEN, E. B. Negative self-inductance in superconducting thin wires and weak links, 25:38305
- HANSEN, E. Brun Bound excitations of single vortex in pure type-II superconductor, 22:50105
  - Infinite conductivity of ordinary and gapless superconductors, 23:25275
- HANSEN, E. C. Gross fission-product poisoning in uranium systems, 21:8132
  - LWB/LSBR development program: temperature distributions with self-shielding, 22:35664 (KAPL-3199)
- HANSEN, Eric Effect of fission distribution on calculated temperature distributions of fuel rods, 21:8129
- HANSEN, Eric C. Effect of self-shielding corrections on calculated temperature distributions, 22:27486 (KAPL-P-3175)
  - Flux depression in a parallel array of cylindrical absorbers sandwiched between two parallel planes, 22:33148
  - Flux depression in a parallel array of cylindrical absorbers, 23:2105 (KAPL-P-3460)
- HANSEN, G. E. Calculation of interaction parameters for loosely coupled reactor systems, 21:19365 (LA-DC-8511)
  - Dose estimates for criticality excursion at LASL, 22:27465 (LA-3861)
  - Effect of basic neutron reaction cross sections of nitrogen (n,n'), (n,2n), (n,γ), (n,p), and (n,α) on high energy neutron penetration in air, 22:7614 (LA-3810)
  - Measured NE-213 fast-neutron spectrometer (with gamma-ray discriminator) response functions and absolute efficiency, 23:2635
  - Measurement of average cross-section ratios in fundamental fast-neutron spectra, 21:4276 (LA-DC-7851)
  - Reevaluated critical specifications of Los Alamos fast-neutron systems, 23:52412 (LA-4208)
  - Scattering in S/sub N/ multigroup transport calculations, 21:29842
  - Time-dependent neutron escape from nuclear explosions, 24:5770
- HANSEN, G. H. Los Alamos coupled reactor experience, 21:14046 (LA-3494)
- HANSEN, Gordon E. Kinetics equation for a cluster of rover reactors, 23:15691 (LA-DC-10338)
  - Multigroup representation of neutron cross sections for criticality calculations, 24:33102
- HANSEN, H. Renal isotope clearance by external monitoring and feedback technique. A new catheter-free clearance method, 24:39534
- HANSEN, H. E. Space nuclear safety: 1966, 21:14056
- HANSEN, H. H. Beta branching ratio and conversion coefficients in ^{137}Cs decay, 23:7285
  - Decay of ^{60}Co, 22:11932
  - EC-decay of ^{170}Tm, 23:30999
  - Isomeric state in ^{113}In, 25:20460
  - Precise coincidence counting of conversion electrons, 22:14779
- HANSEN, H. J. Late spinal damage caused by Thorotrast myelography in dogs, 22:28659
- HANSEN, H. K. Photometry of the eclipsing star ZZ Bootis, 25:32917
- HANSEN, H. Kimball Intermediate-band and narrow-band photometry of stars, 24:37017 (PB-183999)
- HANSEN, Hans-Georg Influence of whole-body x irradiation on $^{14}CO_2$ exhalation, 23:29809
- HANSEN, Heinz J. M. Quantitative paper chromatography of ^{14}C-labeled long-chain fatty acids, 24:48039 (RISO-210)
- HANSEN, Henning Changes in exchangeable body sodium (Na/sub e/) and potassium (K/sub e/) content in patients with neoplastic disease treated with irradiation, 24:44615
  - Irregular field-shaping for ^{60}Co teletherapy, 23:41335
- HANSEN, Henry Kimball Local neutral hydrogen gas and its relationship to Gould's belt, 22:2767
- HANSEN, J. Cross section (n,2n) of ^{9}Be in energy region 2.0 to 6.4 MeV, 23:28255
  - Fast time-of-flight spectrometer, 21:22127 (FOA-4-4288-21)
  - Fast time-of-flight spectrometer, 21:26189
  - Field gamma-spectrometry in exploration of U and Th deposits, 23:35346
  - Portable Be prospecting instrument, 23:35538
  - Prompt anti τ in neutron induced fission of ^{239}Pu and ^{241}Pu, 22:9847 (FOA-4-4318-22)
  - Prompt anti τ in neutron-induced fission of ^{241}Pu, 21:7813
  - Prompt anti τ in neutron-induced fission of ^{239}Pu and ^{241}Pu, 22:14029
  - Variation in prompt pulse efficiency for two liquid scintillator tanks, 25:51853 (CONF-701002-, pp 481-7)
- HANSEN, J. D. Compilation of cross sections $V—K^-$ induced reactions, 25:19909 (CERN-HERA-70-6)
  - Compilation of cross sections. I, 25:17369 (CERN-HERA-70-2)
  - Compilation of cross sections. II, 25:38647 (CERN-HERA-70-3)
  - Compilation of cross sections. III, 25:38658 (CERN-HERA-70-4)
  - Compilation of cross sections. IV, 25:38659 (CERN-HERA-70-5)
  - Compilation of cross sections. VI, 25:30735 (CERN-HERA-70-7)
  - Many-body cross sections, 25:14594
- HANSEN, J. E. Isotope shifts of even and odd Sm and Nd isotopes, 21:31230
  - Pacific Northwest Laboratory Division of Isotope Development programs. Quarterly report, May—July 1970, 24:48220 (BNWL-1308-3)
  - Prog. rpt. on isotope development, 11/70—1/71, 25:34803 (BNWL-1308-5)
  - Prog. rpt. on isotope development, 2—4/70, 24:39139 (BNWL-1308-2)
  - Prog. rpt. on isotope development, 2—4/71, 25:54887 (BNWL-1308-6)
  - Prog. rpt. on isotopes development, 8—10/70, 25:18590 (BNWL-1308-4)
  - Safety analysis report: Plutonium Fuels Laboratory, 25:49205 (BNWL-CC-1906)
- HANSEN, J. P. Ground state properties and low excited states of solid ^{4}He and ^{3}He, 25:54371 (NYO-3699-59)
- HANSEN, J. R. Frequency sweep, field-frequency stabilized, double resonance spectrometer, 22:28222
- HANSEN, J. R. Jr. Comparison of survival times of monkeys and rats exposed to pulsed and steady-state reactor radiations, 24:7986 (AD-691411)
- HANSEN, J. S. Californium-249 decay, 25:15029
  - Relative x-ray transition probabilities to the K-shell, 24:28079
- HANSEN, J. W. Thermodynamics of metal cyanide coordination. IX, 24:31160 (COO-1782-2)
- HANSEN, James E. Radiative transfer by doubling very thin layers, 23:14596
- HANSEN, James W. Precise measurement of half-life of ^{49}Ca, 24:38172
- HANSEN, Janet C. Genetic effects of cumulative x irradiation on the secondary sex ratio of the laboratory rat, 22:40643
- HANSEN, Jean-Pierre Fluid—solid phase transition of hard-sphere Bose system, 25:14500
  - Ground state of solid ^{4}He and ^{3}He, 21:37348 (NP-16937)
  - Ground state of solid ^{4}He and ^{3}He, 22:9259
  - Influence of two-body potential on the ground-state properties of solid helium, 25:18284 (NYO-3699-50)
  - Variational calculation of properties of liquid ^{3}He—^{4}He mixtures at 0°K, 24:8397
- HANSEN, John Field determination of uranium and thorium by gamma-ray spectrometry, exemplified by measurements in the Ilimaussaq alkaline intrusion, south Greenland, 25:41943
  - Prospecting instruments used in survey of U—Th and Be in Ilimaussaq intrusion, South Greenland, in report of activities, 1967, 23:13888
- HANSEN, John Norman Mechanism of fumarase, 23:45254
- HANSEN, Johnny 10 MeV bremsstrahlung converter, 25:38817 (RISO-M-1261)
  - High-power microwave water load for the Risoe 10-MeV linear accelerator, 25:45838 (RISO-M-1386)
- HANSEN, K. Bolt for pressure vessel main flange, 24:43740 (NP-10870)
  - Dominance of Pomeron like exchange in pp $\rightarrow$ NNπ at 19 GeV/c, 24:3514
  - Effect of geometry on convective heat transfer in Dragon channel, 24:40954 (DP-Report-186)
  - Low temperature heat transfer rig, 24:39112 (NP-10266)
  - Observation of Δ^{++}(approximately 1900) resonance decaying into $\Delta^{++}(1236)\pi^-\pi^+$, 24:49322
  - Reaction pp $\rightarrow$ rhoΔN at 19 GeV/c, 25:1556
  - Search for long-lived heavy particles in cosmic-ray events at energies above several thousand GeV, 22:17862
  - Water flow visualization rig, 24:38519 (DP-Report-96)
- HANSEN, K. B. Asynchronous shift register for serial to parallel conversion, 22:14390 (RISO-152)
  - Digital control system for neutron spectrometers, 23:688
  - Digital data XY plotter with data sorting capabilities, 22:49144 (RISO-173)
- HANSEN, K. F. Alternating direction methods for the reactor kinetics equations, 24:46120
  - An improved method for calculating rethermalization neutron cross sections, 22:22535
  - Analysis of problems in nuclear fuel burnup, reactor kinetics and dynamics, 23:47299 (CNM-R-2(Vol.2), pp 927-42)
  - Application of alternating-direction implicit methods to the space-dependent kinetics equations, 25:31654
  - Approximate method for multidimensional diffusion theory problem, 22:12141 (GA-7544)
  - Comparative review of two-dimensional kinetics methods, 21:46850 (GA-8169)
  - Deep penetration of radiation by the method of invariant imbedding, 21:21002
  - Finite difference techniques for the solution of the reactor kinetics equations, 23:34935 (MIT-3903-2)
  - Finite element methods for the neutron diffusion equations, 25:41164
  - GAKIN: one dimensional multigroup kinetics code, 22:15916 (GA-7543)
  - GAPOTKIN: point kinetics code for UNIVAC 1108, 22:39770 (GA-8204)
  - New method of integrating the point kinetics equations, 24:7290
  - New multinode for the analysis of space dependent fast reactor kinetics, 24:22492
  - Numerical method for the three-dimensional multigroup equations, 21:38207
  - Numerical solution of the coupled core equations, 22:32822
  - Numerical solution of the time-dependent multigroup diffusion equations, 22:14304
  - Numerical solution of the two-dimensional time-dependent multigroup equations, 23:40428 (CONF-690401-, pp 76-101)
  - Numerical solutions of boundary value problems, 22:46704
  - Radiation transport operators via the generalized riccati transformation, 23:3909
  - Solving reactor kinetics equations by alternating-direction implicit method, 24:7294
  - Spectral effects in multigroup kinetics, 23:37703
  - Two-dimensional reactor kinetics, 23:37740
- HANSEN, K. H. Exchanges in the reactions pp $\rightarrow$ baryon + baryon + pion at 19 GeV/c, 25:50152
  - Particle multiplicities and momentum spectra in inelastic proton—proton collisions at 19 GeV/c, 25:22679
  - Production spectrum of pions in high-energy proton—proton collisions, 25:22674

HANSEN, Kent F. Numerical solution of the two-dimensional time-dependent multigroup equations, 23:34934 (MIT-3903-1)
Solution for fluid conditions in high-velocity flow, 22:5940
HANSEN, Kjeld Bibliography on application of digital computers in power stations, 1962—67, 22:32784 (RISO-M-725)
HANSEN, L. Determination of atmospheric parameters for G and K giants, 25:58481
Photoelectric photometry of 1160 late-type stars, 24:46841
HANSEN, L. E. Critical experiments with homogeneous PuO_2—polystyrene at 5 H:Pu, 22:33062
Critical experiments with homogeneous PuO_2—polystyrene at 5 H:Pu, 22:37530 (BNWL-SA-1630)
Critical experiments with homogeneous PuO_2—polystyrene at 5H/Pu, 23:9208
Critical parameters of plutonium systems, 23:4429
Critical plutonium systems. I, 23:28604
Critical plutonium systems. II, 23:28603
Criticality of plutonium nitrate solutions in slab geometry, 22:33063
Criticality of plutonium nitrate solution containing soluble gadolinium, 25:39681
Criticality of Pu compounds, 21:24183 (BNWL-SA-983)
Criticality of Pu compounds in the undermoderated range, H:Pu less than or equal to 20, 21:38760
Criticality of Pu compounds in undermoderated range, H:Pu less than or equal to 20, 21:34161
Criticality of $Pu(NO_3)_4$ solution slabs having high ^{240}Pu content, 24:7199
Criticality of PuO_2—UO_2 aqueous mixtures, 24:7191
Experimental buckling measurements with 2.1 wt percent enriched uranium tubes in light water, 21:38715
Material buckling measurements, 23:15689
Studies of critical assemblies of homogeneous mixtures of plutonium oxide and polystyrene, 22:6114
Subcritical multiplication of ^{252}Cf neutrons and its applications, 25:41163
HANSEN, L. F. Predictions for neutron transport in air, 24:33107
Reactions $^{18}O(p,t)^{16}O$ and $^{18}O(p,d)^{17}O$ at E/sub p/ = 18.2 MeV, 21:40387
Reactions $^{22}Ne(d,d)^{22}Ne$, $^{22}Ne(d,p)^{23}Ne$, $^{22}Ne(d,t)^{21}Ne$, and $^{22}Ne(p,d)^{21}Ne$, 21:15529
HANSEN, L. K. Computer solution of thermionic converter transport equations, 21:43867
Ion-current and Schottky effects in thermionic diodes, 22:1027
HANSEN, Lis Increase in liver glycogen in non-fasted rats after irradiation, 22:12917
HANSEN, Lorin K. Basic research in thermionic energy conversion, 24:28136 (AD-700945)
Basic research in thermionic energy conversion, 25:45323 (AD-720407)
Plasma physics of thermionic converters, 21:41854
HANSEN, Luisa F. Cross sections (α,n) on ^{17}O and ^{18}O between 5 and 12.5 MeV, 21:29888
Integral neutron spectra produced by 14-MeV neutrons, 24:33094
Nonelastic and inelastic cross sections in ^{12}C and ^{14}N at 15.3 MeV, 23:5830
Reaction (α,t) in ^{19}F, 21:35422
Search for an imaginary isovector interaction in the optical model potential in ^3He induced reactions, 25:28461
Sensitivity of Monte Carlo calculations to the neutron cross sections for neutron transport in nitrogen and in air, 25:38845 (UCRL-51031)
Spectra of fast neutrons from water pulsed with 14-MeV neutrons, 23:37084
Spectra of fast neutrons from water pulsed with 14-MeV neutrons, 25:59674
Study of the two-body force through the (^3He,t) charge-exchange reaction on ^{17}O and ^{18}O, 22:53112
Time spectra from spheres pulsed with 14-MeV neutrons, 23:17057
Two-body force through the charge-exchange (^3He,t) reaction, 22:27009
Two-particle, two-hole states in ^{40}K, 22:44663
HANSEN, M. F. Effect of gamma radiation on Histomonas meleagridis, 25:42608
Effects of gamma-radiation on the pathogenicity of Histomonas meleagridis, 25:19156
Elimination of male A. galli (nematoda) by x irradiation of embryonated eggs, 22:40898
Histomonas meleagridis: effect of gamma radiation on in vitro growth, 25:24315
Prog. rpt. on effects of x rays on Histomonas meleagridis and Heterakis gallinarum, 6/66—3/67, 21:20317 (COO-1209-1)
HANSEN, N. 1971 results for intercomparison of analytical methods for ^{137}Cs and ^{134}Cs used at Scripps with methods used at 56 other institutions, 25:57348 (TID-25777)
Cesium-137 content in the Pacific, 24:44145 (HASL-217, pp I.9-118)
Natural cesium in sea water, 25:57301 (TID-25776)
Physical and mechanical properties of blended and ball-milled aluminium—aluminium oxide alloys, 22:19631
HANSEN, N. E. Stereo reading apparatus with redundancy, 24:16887
HANSEN, N. J. S. Decay of new 26 ns isomeric state in ^{155}Gd, 22:27127
Energy levels in ^{234}U populated in the β decay of $^{234}Pa(UZ)$, 22:50635
Isomerism in ^{176}Hf and some neighboring even nuclei, 21:23491
HANSEN, N. J. Sigurd Nuclear lifetime and g factor of $19/2^-$ isomeric state in ^{43}Sc, 25:48050
Spin 11/2 isomer in ^{157}Gd, 21:13879
HANSEN, Ned P. SEFOR core clamping system, 23:37536
HANSEN, Niels Cadmium containing neutron screen, 21:336
Dispersion-strengthened aluminium powder products for nuclear application, 22:7058
Dispersion-strengthened aluminium products, 25:38008 (RISO-223)
Manufacture and examination of dispersion-strengthened Al products, 24:4740 (RISO-193)
Matrix hardening in dispersion strengthened powder products, 25:55487
Metallurgy department of Danish Atomic Energy Commission, 24:17195
HANSEN, Niels Ebbe Radiation induced changes in red cell filterability, 25:42706
Radiation induced changes in red cell filterability, 25:47016
HANSEN, Niels J. Measurement of inhomogeneous magnetic fields using a rotating dipole search coil, 24:9703 (ANL-7494)
HANSEN, O. Empirical normalization of (t,p) reaction, 24:22214
Lowest T = 3/2 state in ^{13}N as a compound nuclear resonance, 21:25435
Proton-hole states in $^{47\ 49}K$, 21:29950
Reactions $^{116\ 118}Sn(t,p)^{118\ 120}Sn$, 22:20620
Spectroscopic information from few particle transfer reactions, 24:43595
HANSEN, O. P. Asymmetric critical currents in a type-I superconductor, 22:17578
Observation of decrease of supercurrent in the gapless region, 23:32289
HANSEN, Ole (t,p) Reactions on $^{112\ 124}Sn$ and pairing model, 23:37208
Aldermaston—Copenhagen nuclear reactions program, 23:21328
Deuteron stripping on even isotopes of Ca. II, 23:3976
Energy levels in ^{47}Ti and ^{50}V, 23:34765
Experiment $^{50}V(d,p)$, 21:13842
Inelastic deuteron scattering and (d,p) reactions from isotopes of titanium. IV, 21:38287
Inelastic deuteron scattering and (d,p) reactions from isotopes of Ti. V, 22:15972
Inelastic deuteron scattering from 1f/sub 7/2/ nuclei, 22:50593
Neutron pickup from ^{44}Ca, 21:40413
Neutron transfer reactions on ^{204}Hg, 24:49875
Nuclear reaction spectroscopy with Ca and Ti isotopes, 22:44657
Nuclear spectroscopy with ^{204}Pb, 21:12061
Proton excitation in ^{51}V, 23:25873
Proton excitations in ^{49}V, 22:15969
Proton pick-up from the even calcium isotopes, 22:50590
Proton pickup from ^{45}Sc, 23:25884
Proton quasi-particle states in ^{143}Pm, 22:32657
Reaction (t,p) with even isotopes of Ca, 21:44613
Reaction $^{209}Bi(t,\alpha)^{208}Pb$, 22:9888
Reactions (h,p) on Cr. I, 25:31298
Reactions $^{207\ 208}Pb(t,p)^{209\ 210}Pb$ and the two-particle-one-hole states of ^{209}Pb, 22:32613
Spectroscopic study of ^{49}Ti, 23:15418
Spectrum of ^{50}Ca and reaction $^{48}Ca(t,p)$, 22:5799
Strong L = 0(t,p) transitions in even isotopes of Ti, Cr, and Fe, 25:45976
Vibrational states of ^{207}Tl, 23:23679
Violation of seniority in the reaction $^{43}Ca(d,p)^{44}Ca$, 21:23473
HANSEN, P. Effect of ionizing radiation and antioxidant treatment on the quality and storage life of vacuum-packed trout, 24:48791
Preparation and properties of a crystalline uranium(IV)—hydrazine nitrate compound, 25:29035 (NP-18736)
Simultaneous distribution of nitric acid and uranyl nitrate between aqueous and undiluted tributyl phosphate phases, 24:2268 (NP-18020)
Uranium(IV) nitrate as reductant for Pu, 22:12274 (NP-17197)
HANSEN, P. A. A-antigen variation in pigeon erythrocytes. I, 21:41501
HANSEN, P. Bjerre Late results following radiotherapy of skin cancer, 23:38828
HANSEN, P. G. Alpha decay of ^{179}Hg and ^{178}Hg, 25:17894
Alpha decay of neutron deficient isotopes of mercury and radon and their daughters, 25:28302 (CERN-70-30(Vol.1), pp 523-31)
Alpha decay of neutron-deficient radon and polonium isotopes, 25:20451
α-active isotopes of Hg, Au, and Pt, 24:49912
Beta-delayed proton emission from $^{115\ 117}Xe$ and $^{179\ 181\ 183}Hg$, 25:53765
Compound-nucleus aspects of beta decays with high Q values, 25:28443 (CERN-70-30(Vol.1), pp 421-33)
Coriolis coupling between the $^5/_2^-[523]$ and $^3/_2^-[521]$ bands of ^{161}Dy, 22:27178
Coriolis coupling between the $^7/_2^+[404]$ and $^5/_2^+[402]$ bands, 23:19302
Decay characteristics of short-lived radionuclides, 23:21307
Decay scheme of ^{188}Pt, Q-value, and K-electron-capture fractions P/sub K/, 22:44748
Delayed-proton emission from neutron-deficient isotopes of xenon and mercury, 25:28301 (CERN-70-30(Vol.1), pp 487-96)
Electron-capture beta decay, 25:14993
Fermi matrix elements in the beta decay of ^{236}Np, 21:12041
Nuclei far off the stability line, 24:43411
Rotational band in ^{175}Lu, 23:46993
Transition rates of fast, allowed β transitions between deformed nuclei in rare-earth region, 22:30038
Unique first-forbidden beta transitions in deformed nuclei, 25:3672
HANSEN, P. I. Some effects of ionizing radiation on aqueous solutions of β-lactoglobulin, 21:41313 (AERE-R-3860)
HANSEN, P. -I. E. Radiation treatment of meat, 21:26715
HANSEN, P.-I. E. Radiation sterilization of meat, 22:52111
HANSEN, Poul-Ivar E. Consumer survey for acceptance evaluation of cured ham treated by a combination of heat and irradiation, 21:6741
Radiation preservation, 21:24704
HANSEN, Poul-Ivar-E. Irradiation of food, 24:34817
HANSEN, R. Dragon high temperature multi-purpose laboratory furnace, 24:41567 (DP-Report-256)
Electron beam welding experiments for bursting disc assemblies, 24:39610 (DP-Report-198)
Electron beam welding for bursting disc assemblies. II, 24:42062 (DP-Report-247)
HANSEN, R. A. Electron beam soldering for bursting disc assemblies, 24:40969 (DP-Report-277)
Welding thermocouple sheaths, 24:42061 (DP-Report-246(Pt.1))
HANSEN, R. C. Alloy chemistry of sigma(β—U)-related phases, 24:17315
HANSEN, R. D. Chronotron alpha meter, 21:3339 (EGG-1183-1285)
High-temperature forge for refractory metals, 23:27008
HANSEN, R. L. Discharge measurements using radioisotopes in high-head turbines, 24:7593 (TID-25177)
Discharge measurements using radioisotopes, 24:11743
Discharge measurements using radioisotope velocity, integrated sample, dilution, and total-count methods, 24:16790 (TID-25185)
Prog. rpt. on discharge measurement using radioisotopes in high-head turbines and pumps, 21:45308 (TID-23737)
HANSEN, R. M. Radiation $LD_{50}/_{30}$ of Richardson ground squirrels, 24:32180 (COO-1156-33)
Radiation LD/sub 50(3)/ of ground squirrels, 24:48682
HANSEN, R. O. Isotopic distributions of uranium and thorium in soils, 22:27911
HANSEN, R. S. Bibliography of double layer studies at polarized liquid metal/ solution interface, 24:5647 (IS-2131)
Chemistry Division, 24:16485 (IS-2100, Sect. C)
Chemistry division, 21:40772 (IS-1600, Paper 3)
Chemistry division, 23:213 (IS-1900, Paper 3)
Metallurgy Division, 24:17191 (IS-2100, Sect. M)
Physics Division, 24:18097 (IS-2100, Sect. P)
Reactor Division, 24:18717 (IS-2100, Sect. R)
HANSEN, R. T. Coronal electron densities during the period of the July 1966 proton flare, 23:22779
Solar wind speed distributions: 1962—1970, 25:22421
HANSEN, Ramon D. Digital cable length measuring system, 21:8641 (TID-23478)
HANSEN, Reidar A. Post irradiation examination of the burn-out assembly ifa-38, 22:37442 (HPR-98)
HANSEN, Richard O. Radioactivity of a California terrace soil, 24:36404
Thorium movements in morainal soils, 24:2308
HANSEN, Richard T. Brightness variations of the white-light corona during the years 1964—67, 23:39192
Differential rotation of the solar electron corona, 24:10288
K-coronal enhancements and chromospheric plages, 25:47284
Mauna Loa coronagraph observations around the March 7, 1970 eclipse, 25:13888
HANSEN, Robert D. Preparing tungsten powders doped with refractory metal oxides, 24:977
Process for extracting thorium and rare earths, 22:37873
HANSEN, Robert Douglas Separating thorium from rare earth metals, 25:15747
HANSEN, Robert J. Recommended provisions for resistance to tangential shear forces associated with earthquake loading, 22:20806 (DOCKET-50309-5)
Seismic design for nuclear power plants, 24:22805
HANSEN, Robert L. Discharge measurements using radioisotopes at Flatiron and Pole Hill Powerplants, 25:15827 (TID-25395)
Use of radioisotopes in tracing reservoir leakage at Anchor Dam, 25:6426 (TID-25396)
HANSEN, Robert S. Ceramic and Mechanical Engineering Division, 24:17357 (IS-2100, Sect. C and ME)
Chemical Engineering Division, 24:16623 (IS-2100, Sect. CE)
HANSEN, S. Coronal electron densities during the period of the July 1966 proton flare, 23:22779
Experiments with the CERN electron storage and accumulation ring (CESAR), 21:29730
Nuclear fusion reactor, 22:13432
HANSEN, Shirley F. Brightness variations of the white-light corona during the years 1964—67, 23:39192
Differential rotation of the solar electron corona, 24:10288
K-coronal enhancements and chromospheric plages, 25:47284
Mauna Loa coronagraph observations around the March 7, 1970 eclipse, 25:13888
HANSEN, Spenst M. Crater formed by gas erosion of a nuclear explosion vent, 24:14112
Gold recovery process, 25:15754
Nuclear in-situ Cu leaching at Safford, 22:27947
Preshot geophysical properties of palanquin crater site, 23:7655 (PNE-906)
Results from Sedan postshot drilling, 21:30564 (UCRL-50213)
HANSEN, U. Fuel management studies for prismatic type high temperature reactors, 25:54130 (A/CONF.49/P-346)
Influence of coated-particle structure in thermal-neutron-spectrum energy range, 25:28658
Physical investigations of D_2O-moderated thorium reactor, 23:52313 (JUL-584-RG)
Plutonium recycling in heavy-water-moderated thorium reactor systems, 24:43769
Some physics aspects of a small once-through pebble-bed reactor, 25:5972

HANSEN, U. -P. Effects of short-term irradiation on potential, threshold of electrical stimulation, and resistance of the cell membrane of Nitella flexilis, 22:16983
HANSEN, U.-P. Correlation between radiation effects of membrane potential of electric stimulus threshold and resistance of cell membrane in Nitella flexilis, 22:8650
Indications to mechanism of adaption, measured at diminution of membrane-potential of nitella fl. after irradiation, 22:43264
HANSEN, Ulf Design of steam generators for a high temperature nuclear power plant, 25:1916
MEDEA: model of a steam plant, 25:31624 (JUL-698-RG)
Studies on load behavior of THTR 300-MW prototype power plant, 23:52269 (JUL-571-RG)
HANSEN, Ulf-Peter Decay of radiation effect on Nitella, 23:29903
HANSEN, Villy Irradiated blood meal and bonemeal for slaughter swine, 21:34851
HANSEN, Virginia Reduction of fission-density spiking and nuclear safety in fast space reactors by means of thin neutron filters of europium compounds, 22:32939
HANSEN, W. L. High-purity germanium crystal growing, 25:42130
Selection of Ge for Li-drifted radiation detectors, 24:29508
Thin-window germanium detectors, 24:4456
HANSEN, W. N. Preparation of binary compounds of uranium and thorium, 21:3081
HANSEN, W. P. Biophysical studies with the CO_2 laser, 21:34799
Melanin granule models for pulsed laser induced retinal injury, 22:12909
Use of thermocouples for temperature measurement during laser irradiation, 21:16252
HANSEN, W. R. Hazards implication of transfer of unsupported ^{210}Po from alkaline soil to plants, 24:27564
Movement ($^{210}PoO_2$) in a mountain watershed soil, 25:39602
Plant uptake of ^{210}Po from soil, 25:510
Tritium release from labeled compounds in refrigerated storage, 22:31102
HANSEN, Warren G. Protection of milk supplies from nuclear contamination, 22:43337
HANSEN, Wayne R. Polonium-210 in soils and plants, 25:8593 (COO-1733-11)
HANSEN, Wayne Richard Polonium-210 in soils and plants, 25:26684
HANSEN, Wilfred J. Creation of hierarchic text with a computer display, 25:46352 (ANL-7818)
HANSEN III, Bertle D. Theoretical study of H_2^+ ground electronic state spectroscopic properties, 24:49006
HANSEN-SCHMIDT, J. Absorption coefficient of fast electrons in Al, Ag, and Au foils, 21:9327
HANSER, A. Conversion coefficients of γ transitions in ^{204}Pb, 25:48100
Electromagnetic isotope separator, 21:26272 (KFK-511)
Excited states of neutron-deficient lead nuclei, 24:38293
Gamma transitions and excited states of neutron-poor even lead nuclei investigated by decay of Bi nuclei, 23:28297 (KFK-876)
Measurement of decay of ^{200}Bi and ^{203}Bi, 21:35460 (KFK-541)
Nuclide ^{198}Bi, 22:53188
HANSER, Frederick A. Design, development, and construction of nonmagnetic sensors for magnetic field-charged particle correlation studies, 23:38295 (AD-681454)
Generation and practical use of monoenergetic x-rays from α emitting isotopes, 23:13950 (NYO-3491-3)
Measurement of K-shell ionization cross sections of Al and Mg for 1- to 5-MeV α particles, 23:27335
Polarization of photoneutrons from the giant resonance, 21:27525 (MIT-2098-307)
Prog. rpt. on alpha particle densitometers for measuring planetary atmospheric density, final, 7/68—5/69, 24:7663 (N-69-38649)
Radiation damage effects in surface barrier detector by 4.5 MeV α particles, 24:25347
Rocket measurement of electron and proton intensities in a magnetic disturbance, 22:41483
HANSFORD, R. N. Rotatable switching magnet for variable energy cyclotron, 21:31645 (AERE-M-1558)
Small versatile analogue computer for particle tracks and beam envelopes, 22:11801
HANSHAW, Bruce B. Radiocarbon determinations applied to groundwater hydrology, 21:36134
HANSLIK, E. Study of natural radionuclides in waste and surface waters, 25:54774
HANSMA, P. K. Externally shunted Josephson junctions: generalized weak links, 25:56094
HANSMANN, K. Several investigations of high-pressure fluorination of binary and ternary fluorides of several lanthanide and actinide elements, 25:31889 (KFK-1325)
HANSON, A. O. Computer studies of orbits in high energy microtrons, 21:38074
Design of a 600-MeV microtron using a superconducting linac, 25:3506
Design of a 600-MeV superconducting microtron, 23:28182
Neutron spectra from monoenergetic photons on bismuth, 21:35456 (AD-651111)
Neutron spectra from monoenergetic photons on bismuth, 21:44699
Performance of Illinois superconducting linac, 25:50304
Photoproduction of π^0 mesons from ^{3}He with 340-MeV bremsstrahlung, 23:51836
Plans for a superconducting C. W. electron linac at the University of Illinois, 21:11868 (LA-3609, pp 494-6)
Proton Compton effect for 300-MeV photons, 21:42242
HANSON, A. W. Manufacture and construction of helical winding, 25:30555 (EUR-4593, pp 19-24)
HANSON, B. D. Low-temperature heat capacities of transition metal borides, 25:42974
HANSON, C. Distribution of HCl between tri-n-butyl phosphate and water, 22:42820
Distribution of sulphuric acid between tri-n-butyl phosphate and water, 23:13838
HANSON, C. K. Method and catalyst for combining hydrogen and oxygen in thorium oxide slurries, 21:26887
HANSON, C. L. Configuration and design of neutron shielded chemistry cells, 21:40936 (UCRL-70493)
Livermore neutron-shielded chemistry cells. I, 22:4404
Livermore neutron-shielded chemistry cells. II, 22:4405
Shielded neutron shipping cask, 25:4311
Shielded neutron shipping cask, 25:6522 (UCRL-72445)
Shielded neutron shipping cask, 25:46613 (UCRL-72445(Rev.1))
Shielded neutron shipping cask, 25:48814 (CONF-710801-(Vol.1), pp 125-37)
Shielded neutron shipping cask, 25:51799
Transfer systems for Livermore neutron cells, 21:43094 (UCRL-70494)
Trigger-actuated motion locks for master-slave manipulators, 25:4312
Trigger-actuated motion locks for master-slave manipulators, 25:51800
HANSON, Carl Veith High-speed analytical Sephadex chromatography for kinetic studies, 24:5665
HANSON, D. G. Noise of probes immersed in gas discharges, 23:12784
HANSON, David M. Phosphorescence spectrum, vibronic analysis, and lattice frequencies of naphthalene molecule in a deuteronaphthalene crystal, 24:9291
HANSON, Douglas Oliver Actuating mechanisms for control rods, 23:37805
Control rod driving systems for nuclear reactors, 22:48783
Improvements in rod actuating systems for reactors, 24:11339
HANSON, G. E. Gamma heating calculations in graphite moderated systems, 22:6135 (BNWL-625)
Total energy deposition rates in a graphite moderator with two different fuels, 23:4403 (BNWL-898)
HANSON, G. H. NRTS—ATR 1.4-MW flow reversal test, 25:6119
Studies of acoustic effects in reactor system blowdown, 21:7964
HANSON, G. L. Radioactive waste management policies and practices, 23:24412 (ARH-SA-30)
Solidification and improved treatment of low and intermediate level radioactive wastes at Hanford, 24:46295 (ARH-SA-74)
HANSON, G. T. Electrolytic process for ultra-fine beryllium [powder], 25:27192
HANSON, George H. Hydrodynamics describing acoustic phenomena during reactor coolant system blowdown, 22:10001 (IDO-17254)
Subcooled-blowdown, 23:37576
Subcooled-blowdown forces on reactor-system components, 24:7161
Subcooled-blowdown forces on reactor-system components: calculational method and experimental confirmation, 24:36048 (IN-1354)
Subcooled-blowdown: LOFT-quarter-scale experimental pressures and calculated transients using WHAM-code, 23:37366 (CONF-690609-8)
HANSON, H. Activation analysis determination of some trace elements in crystallized leukinaminopeptidase from cattle eye lens and in lens, aqueous humor, and vitreous humor of cattle eyes, 23:6055
HANSON, H. P. Direct and autoionization of H_2 near threshold, 22:15360
HANSON, I. G. Beta to alpha transformation kinetics in Pu—1.5 at. percent Hf, 22:41067
HANSON, J. E. Considerations on use of fuel motion restrictors in FTR fuel pins, 22:50794 (BNWL-623)
Description and hazards evaluation for mixed oxide (UO_2—PuO_2) irradiations, 22:42358 (BNWL-650)
Design bases for fast test reactor driver fuel pin, 22:32987
Experiment description for PNL mixed oxides (UO_2—PuO_2) irradiations in the General Electric Test Reactor, 24:46080 (BNWL-1382)
Experimental studies of transient effects in fast reactor fuels. III, 22:31526 (GEAP-4469)
FFTF driver fuel development irradiations, 23:4325
FFTF fuel development program, 22:30299 (BNWL-SA-1750)
First loss-of-flow simulation on a prototypical FFTF fuel pin in the TREAT Mark-II A loop, 25:41541
FTR driver fuel development program status, 25:37064 (HEDL-SA-81)
Fuel failure mechanics and failure propagation, 25:8094 (BNWL-SA-3093(Vol.2), pp X.1-37)
Irradiated fuels and materials examination, 24:474
Response of EBR-II irradiated, mixed oxide fuel pin to an overpower transient in TREAT, 25:40131 (HEDL-SA-84)
Response of high-burnup irradiated plutonia—urania fuel to transient overpower, 21:7976
Target '79, 24:41015 (TRG-Report-1911, pp 266-86)
Trends in irradiated fuels and materials examination, 23:13962 (BNWL-SA-2274)
Trip Report, U. S. FFTF Fuels and Materials team trip to United Kingdom and France, 22:12088 (BNWL-569)
HANSON, J. N. Heterogeneous and Doppler broadening effects in MUFT-5 resonance treatment, 21:40582 (WAPD-TM-675)
Method to incorporate effects of heterogeneities and Doppler broadening in MUFT-5 resonance treatment, 21:38546
HANSON, John Nils Invariant imbedding approach to the calculation of local activation rates, 24:7274
Invariant-imbedding approach to reactor physics calculations, 24:50221
HANSON, John P. Magnetohydrodynamic rotation in an annulus, 24:51479 (N-70-25712)
HANSON, John Parker Magnetohydrodynamic rotation of a conducting liquid in an annulus, 25:16870
HANSON, K. Angular distributions for π^+ electroproduction and pion factor, 22:34830
Elastic electron—proton scattering cross sections measured by a coincidence technique, 24:37607
Search for electroproduction of N^* (1470) resonance from deuterium, 23:14942
Single-pion electroproduction, 24:3494
HANSON, K. P. Effects of ionizing radiation on the activation of lysine and aminoacylation of tRNA by lysyl-tRNA-synthetase from rat liver, 24:11946
HANSON, Kenneth C. Ophthalmopathy of Graves' disease, 22:49625
HANSON, Kenneth L. Thermal integration of electrical power and life support systems for manned space vehicles, 22:7878
HANSON, L. A. Preparation of uranium carbide from economical uranium compounds, 21:39668 (AI-CE-73)
HANSON, Lloyd A. Preparation of an actinide metal monocarbide from an oxide thereof, 22:41089
Preparation of high quality uranium carbide, 22:36529
Preparation of pure dense hypostoichiometric uranium carbide, 22:43637
HANSON, Martin B. Surface properties of titania powders, 22:19647
HANSON, O. G. Analysis for ^{210}Pb content of atmosphere, 23:40575
Analysis for ^{222}Rn content of atmosphere, 23:40574
HANSON, P. J. Changing form of ^{65}Zn and ^{51}Cr, 24:13810 (RLO-1750-54, pp 37-42)
HANSON, Peter J. Chemical watermass tracer, 24:13809 (RLO-1750-54, pp 33-6)
Chromium-51/^{65}Zn ratios in Columbia River water, 24:14050 (RLO-1750-54, pp 51-4)
Columbia river flow times, 24:14046 (RLO-1750-54, pp 30-2)
Zinc-65 and ^{51}Cr in Columbia River, 24:14051 (RLO-1750-54, pp 55-7)
HANSON, Peter James Vertical distribution of radioactivity in Columbia River estuary, 21:39044 (RLO-1750-22(Vol.2), Paper 2)
Water tracing with soluble metal chelates and neutron-activation analysis, 25:15549
Water tracing with soluble metal chelates and neutron activation analysis, 25:29013 (RLO-1750-81)
HANSON, Phillip Bubble density measurements with HAZE, 23:9745 (UCRL-18545)
HANSON, R. J. Decay scheme of ^{195}Pt, Q-value, and K-electron-capture fractions P/sub K/, 22:44748
Evidence for $9/2^-$ [505] isomeric state in ^{193}Os, 23:19312
Radiographic changes in skeletons of beagles administered ^{90}Sr and ^{226}Ra, 23:12208 (UCD-472-115, pp 63-5)
Radiographic changes in skeletons of beagles administered ^{90}Sr and ^{226}Ra, 24:29857 (UCD-472-116, pp 41-4)
Radiographic changes in skeletons of Beagles administered ^{90}Sr and ^{226}Ra, 25:6781 (UCD-472-117, pp 51)
HANSON, Rolf K. Influence of noreprinephrine on distribution of radioactivity from ^{14}C-labeled analogyes, 21:26355
HANSON, Ronald W. Conspiracy versus Regge cuts in π^-p charge exchange, 25:33742
HANSON, Vernon L. Performance of nuclear reactor operators, 23:9121 (NYO-3288-10)
HANSON, W. Industrial hygiene, 24:2646 (IN-1310, pp 39-41)
HANSON, W. B. Calculations for an equatorial F2-region solar eclipse, 24:42554
Electron temperature measurements in upper F region, 23:10491
Influence of electromagnetic drifts and neutral air winds on F_2 region, 24:5096
Ionization transport effects in equatorial F region, 21:5146
Mechanisms for producing the uv nightglow, 24:45107
Meteoric ions above the F2 peak, 24:51542
Photoelectron heating efficiency in the ionosphere, 22:15433
Plasma measurements with the retarding potential analyzer on OGO 6, 24:51541
Plasma temperatures in the magnetosphere, 24:17758
Progress in magnetospheric radio, 21:5165
Radiative recombination of atomic O ions in nighttime F region, 23:39390
Thermal structure of an Alouette 2 topside profile, 23:25219
Vacuum system for NAL booster synchrotron, 25:50438
HANSON, W. C. Biological half-time of ^{137}Cs in Eskimos, 21:14559 (BNWL-280, pp 98-100)
Cesium-137 in Alaskan lichens, caribou, and Eskimos, 21:18055
Cesium-137 in the food chain of Eskimos, 21:14558 (BNWL-280, pp 97-8)
Columbia River Canada goose population, 1950—70, 25:51267 (BNWL-1606)
Cycling and compartmentalizing of radionuclides in Northern Alaskan lichen communities, 25:37751 (COO-2122-5)
Cycling and compartmentalizing of radionuclides in northern Alaskan lichen communities, 25:37772 (BNWL-SA-3863)
Effective half-times of radionuclides in Alaskan lichens and Eskimos, 22:12842 (BNWL-SA-1266)
Eskimo food chain studies, 24:31882 (BNWL-1050(Pt.2), pp 1.23-5)
Fallout radionuclides in northern Alaskan ecosystems, 21:39396 (BNWL-SA-1327)
Iron dog in Eskimo culture, 25:39372 (COO-2122-6)
Modeling radionuclide transfer in food chains, 24:31880 (BNWL-1050(Pt.2), pp 1.15-17)
Prog. rpt. on synthesis and analysis of Alaskan radiation ecology data, annual, 9/70—5/71, 25:37752 (COO-2122-8)

  - Radionuclide distribution in Alaskan Arctic ecosystem, 23:50395 (BNWL-1051(Pt.2), pp 14-17)
  - Radionuclide distribution in Alaskan Arctic ecosystem, 24:31881 (BNWL-1050(Pt.2), pp 1.20-3)
  - Simulation model for Arctic food chain, 24:6015
  - Study of fallout ^{137}Cs in Pacific Northwest, 25:24144
- HANSON, W. F. High dose response of glass rod dosimeters irradiated at temperatures up to 250°C, 21:36406
- HANSON, W. G. Photopeak efficiency of a well-type scintillation detector, 22:23296
- HANSON, Wayne C. Cesium-137: seasonal patterns in native residents of three contrasting Alaskan villages, 25:46765
  - Fallout radionuclides in Northern Alaskan ecosystems, 23:29480
  - Radioactivity in the individual: contamination of soft tissues with radioactive fallout, 22:28467
- HANSON, Willard B. Titanium vacuum chamber for the ZGS, 23:28170
  - Vacuum chamber system for high radiation environment, 21:38096
- HANSON, William L. Bioelimination of tracer ^{65}Zn by the large milkweed bug, 23:17905 (CONF-670503-, pp 711-14)
- HANSROUL, Michel Measurement of polarization parameter in elastic scattering of negative pions by protons from 600 to 3300 MeV/c, 21:17045 (UCRL-17263)
  - Measurement of polarization parameter in elastic scattering of negative pions by protons from 600 to 3300 MeV/c, 22:11600
- HANSROUL, Michel J. Measurement of polarization in π^{-}p elastic scattering from 229 to 390 MeV, 22:22319
  - Measurement of the spin-correlation parameter C/sub NN/ in proton—proton scattering at 680 MeV, 21:15260
  - Polarization in pion-proton scattering from 670 to 3750 Mev/c, 21:880
- HANSSENS, M. Experimental research on retinal coagulation by means of the laser, 21:11085
- HANSSON, B. Dislocation structure of an austenitic stainless steel in different stages of fatigue, 21:47049 (UUIP-493)
  - High-resolution interferometry of small radio sources using intercontinental base lines, 22:49880
- HANSSON, Leif Computer abstracts, 23:45126 (RISO-M-924)
  - Use of digital plotter in connection with GIER and GIER ALGOL III, 24:512 (RISO-M-921)
- HANSSON, P. Comparative studies of mathematical hydrodynamic models applied to selected boiling channel experiments, 22:37441 (HPR-97)
- HANSSON, P. T. Measurements of hydrodynamic characteristics, instability thresholds, and burnout limits for 6-rod clusters in natural and forced circulation, 22:1760 (FRIGG-1)
- HANSSON, V. State of stress in a reactor pressure vessel, 23:23899
  - Three-dimensional elastic stress conditions in area of openings of THTR prestressed concrete vessel, 25:56887
- HANST, R. K. Picosecond beam monitors and data acquisition system, 23:28165
  - Velocity modulation system for enhancement of 50 picosecond radiation pulse, 23:28011
- HANSTEEN, Henry B. Total-electric service feasibility study, 24:11720 (BNL-50173)
- HANSTEEN, J. M. Inelastic electron scattering and the cluster model of ^{6}Li, 23:52118
  - Inelastic electron scattering, 24:45733
  - Inner shell ionization by heavy, charged particles, 24:30164
  - L- and M-shell ionization by heavy charged particles, 23:32158
  - Nuclear cluster model and reduced matrix elements in ^{6}Li, 21:21445
  - Surface correlations in ^{6}Li, 21:34054
- HANSTOCK, Raymond Ford Improvements in or relating to ultrasonic testing apparatus, 23:7713
- HANSZ, Janusz Metabolism of radioactive zinc in the liver damaged with C tetrachloride. III, 21:28368
- HANSZEN, K. J. Aggregation of Ag and Au evaporated layers deposited on C foils at high temperatures in an ultrahigh vacuum, 21:34442
- HANTABAL, E. Separation of alkaline-earth elements on ion exchangers, 21:8204
- HANTEL, E. G. Possibility of fission multiplication in supernovae following the r process, 25:40162
- HANTEL, M. Course of Snoek dampings in Ta in relation to N content, 22:13567
- HANTHORN, Howard E. Leakage from a containment vessel, 25:18244 (WHAN-SA-40)
  - Nuclear reactor for use in space, 22:25070
- HANTKE, H. J. AVR initial operating experience, 23:4151
  - Operating experience with the AVR, 24:50140 (CONF-700401-, pp 34-59)
  - Operational experience with AVR reactor, 23:37554
- HANTKE, H.-J. Experience with AVR Experimental Power Station, 24:28930
  - Fuel handling system of the pebble-bed reactor and its influence on the availability of the power plant, 25:34381
  - Results of the first AVR experimental power operation, 22:53308
- HANTKE, Hans-Juergen Significance of quality control for the serviceability of nuclear power plants, 25:37552
  - Zero-power experiments at the AVR Nuclear Power Station and their results, 21:25655
- HANTMAN, Ronald D. Measurement of K/sub μ 3/$^{+}$ decay parameters, 21:870
- HANTMAN, Ronald David Measurement of the μ^{+} spectrum from K/sub μ3//sup +/ decay, 21:18890
- HANTON, C. E. Gas turbines for superheat in a nuclear power plant, 25:18164
- HANTOWICZ, V. Decay scheme of ^{155}Dy, 23:40070
- HANTZ, R. Decree of 27 November 1952 and its application to nuclear power stations, 24:41906
- HANTZSCH, D. Cesium-137 elimination by Fe hexacyanoferrate complexes in the rat, 25:24021
- HANTZSCHE, E. Energy distribution functions in the drop space of glass discharges, 21:27176
  - Model of plasma expansion, 25:7392
  - Theory of backscattering, 23:18651
  - Theory of steady motion of ions in electric fields, 22:13477
- HANUNIAN, Norman Dimensions of survival: postattack survival disparities and national viability, 21:32679 (RM-5140-TAB)
- HANUS, B. Simplified reproduction of the controller action of a steam superheater on the analog computer, 22:236 (ORNL-tr-1802)
- HANUS, J. Spin-polarized splittings in the temperature-dependent reflectance of EuO, 23:32581
- HANUS, J. F. Fission product and Pu redistribution in high performance UO_2 fuel rods, 21:28862 (GEAP-5100-4)
- HANUS, W. Generalization of Case's transformation of Dirac equation, 23:30678
  - Single-particle interpretation of Dirac equation, 23:18824
  - Third-order of non-relativistic approximation of Dirac electron theory, 21:31507
- HANUS, Wanda Covariant generalization of the spin operator, 23:27857
- HANWAY, D. G. Genetic variation in oil and protein content of soybeans induced by seed irradiation, 21:26677
- HANWAY, J. E. Jr. Fluidized-bed chlorination of zirconium-bearing materials, 23:22633
- HANWAY, John E. Jr. Hydrogen reduction of molybdic oxide, 23:22490
- HANYU, Makoto Method for detecting combustion products, 23:6317
- HANZ, George J. Programming apparatus for an automatic liquid scintillation counting system, 25:42058
- HANZA, O. Observations regarding neutron spectrum in high atmosphere on occasion of solar eclipse, 11/12/66, 22:24067 (SC-T-68-1514)
- HANZALEK, F. J. Large PWR systems, 23:28394
- HANZALEK, Frederick J. Nuclear steamplant method and apparatus, 22:37480
- HANZEL, D. Acceleration controlled drive with constant acceleration for Moessbauer experiments, 21:8595
  - Moessbauer spectroscopy and study of hyperfine structure of 14.4-keV level in iron compounds, 22:36970 (NIJS-P-212)
- HANZEL, S. D. Radiation monitoring and protection system for reactor Triga Mark II, 21:25717 (NIJS-R-494)
- HANZLIK, Jiri Semiconductor radiation detectors of Czechoslovak provenance, 21:41234
- HAO, P. H. C. Study of irradiated bamboo-plastic combinations, 25:21011 (IAEA-R-565-F)
- HAOT, J. Changes in cellular composition of bone marrow in x irradiated mice, 21:20338
  - Characterization of small size lymphoid cells in irradiated and normal mouse bone marrow, 25:58120
  - Effect of a short term cortisone treatment on the lymphoid population in irradiated hematopoetic marrow, 25:46888
  - Effect of normal and irradiated marrow grafts on the hemopoietic recovery after a sublethal irradiation, 25:42644
  - Effect of polycythemia on the hematopoietic regeneration in mice irradiated with sub-lethal doses, 25:49292
  - Effects of cortisone on lesions induced by local irradiation of gastric mucosa, 22:36372
  - Formation of spleen colonies in mice injected with pre-irradiated marrow, 24:19308
  - Influence of cystamine and cysteamine on survival of mice injected by intrapleural route with an Ehrlich tumor irradiated in vitro, 22:40798
  - Regenerating bone-marrow cell lines, 23:43884
  - Transplants of medullary, lymphoid, and thymic cells into lethally irradiated mice, 24:14528
  - Ultrastructural study of the hematopoietic marrow during the course of regeneration after irradiation, 23:2931
  - Variations in cellular populations of hematopoietic bone-marrow after two consecutive irradiations with a 500 R dose, 25:49293
- HAOUAT, G. Reactions ^{11}B(n,n'γ), 25:17749
  - Research and development of a multimode γ spectrometer, 23:14022 (CEA-CONF-1200)
  - Spectrometry of photons emitted by reactions induced by fast neutrons, 24:47579
  - Time resolution in Ge(Li) coaxial detectors, 23:16078 (CEA-CONF-1179)
- HAOUAT, Gerard Description of a multimode gamma spectrometer, 23:22055 (CEA-R-3747)
- HAPASE, M. G. Thermodynamic properties of ternary refractory carbides. II. Zirconium—uranium—carbon and zirconium—hafnium—carbon, 25:55614
- HAPKE, B. W. Solar radiation effects in lunar samples, 24:21547
- HAPKE, Bruce W. Electron microprobe analyses of powders darkened by simulated solar-wind irradiation, 21:28869
- HAPPE, Ralph A. Evaluation of boron—aluminum composite material for space structures, 24:12474
- HAPPEK, G. Influence of Y on resistance of Nb, 24:14711
  - Principles for execution of tensile and creep tests in a vacuum at high temperature, 24:4415
- HAPPER, W. Hanle effect, 23:16648
  - Hyperfine structure and lifetimes of the 4^2P/sub 3/2/ and 5^2P/sub 3/2/ states of ^{39}K, 22:41364
- HAPPICH, J. P. Prestressed concrete pressure vessel with a metal cover, 24:16182 (EUR-4280(Vol.1), pp 393-416)
  - Prestressed concrete vessel for a 1000 MW(e) BWR, 22:25009
- HAQ, M. S. Application of isotopes and radiation in rice cultivation, 21:26370
  - Breeding for earliness, high yield, and disease resistance in rice, 24:39491
  - Breeding of early, high-yielding disease-resistant rice varieties, 24:41808
  - Breeding of rice through induced mutation, 25:24102
- HAQIQUA BEGUM, A. J. Strong-absorption model for scattering of deuterons, 25:48039
- HAQUE, A. K. M. M. Calibration of Ge(Li) detectors for level structure study in proton and neutron capture reactions, 25:42129
  - Carcinogenic effect of inhaled alpha-active material, 22:28680
  - Dose to respiratory system from Rn and daughters, 21:22428
  - Energy expended by alpha particles in lung tissue. II, 21:24609
  - Energy loss and straggling of alpha particles in a tissue-equivalent gas, 25:56279
  - Radon leakage from radium sources, 23:38264
- HAQUE, Bazlul Certain characteristics properties associated with cloud chamber expansions, 22:43100
- HAQUE, K. B. Investigation of the separation energies of lighter nuclei, 21:13929
- HAQUE, M. A. Scattering chamber using semiconductor detectors, 21:6266
- HAQUE, M. B. Nuclear interactions produced by 17 GeV negative pions, 21:2374
- HAQUE, M. Bazlul Cloud chamber search for sub-ionizing particles, 21:1578
- HAQUE, Md. Aminul Neutron induced reactions, 21:40482
- HAQUE, Meah M. S. Thickness gauge using β-source, 23:2683
- HAQUE, N. Nuclear interactions produced by 17 GeV negative pions, 21:2374
- HARA, A. Corrosion and oxidation resistance of Igetalloy, 23:6649
  - Fracture path in WC—Co cemented carbides, 24:48893
  - Fracture surfaces of WC—Co cemented carbides, 23:24997
  - Properties of WC—Co cemented carbides. II, 23:48536
- HARA, Akiko Dissociation of E. coli ribosome by uv-irradiation, 24:2837
- HARA, Akio Compressive fracture phenomena of WC—Co cemented carbide, 24:23523
  - Formation process of (W,Ti)C powder, 25:35537
  - Formation process of W carbide powder from W powder, 25:35536
  - Formation process of WC—TiC powder, 25:35531
  - Influence of C content on the Co phase contained in WC base cemented carbides, 21:530
  - Investigation of cracks around the Vickers indentation in cemented carbides, 22:19634
  - Strength recovery phenomena by annealing cemented carbides with cracks, 25:16570
  - Transmission electron microscopy of WC—Co cemented carbides, 25:16599
  - Vickers hardness indentation in cemented carbides, 23:8264
- HARA, E. Dosimetric method of γ radiation using an aqueous solution of oxalic acid, 23:29236
  - Expansion of cylindrical beams due to space-charge effects with uniform acceleration, 22:44556
  - High flow-rate calorimeter for ion beam intensity measurements, 23:618
  - High power symmetrical Cockcroft—Walton type voltage multiplier circuit using silicon diodes, 21:40328
  - Monte Carlo calculation of the total energy loss of electrons from 0.3 to 1 MeV in aluminium foils, 23:1743
  - Voltage efficiency of Schenkel-type voltage multiplier circuit, 23:20062
- HARA, Eiichi Energy loss of electrons of 0.6 to 1.2 MeV in relatively thick Al foils, 22:21893
  - Neutron generator with a self-target using D—T reactions, 22:11886
- HARA, Fumio Binomial formulation of prompt neutron emission probability, 25:18239
  - Core optimization from the view point of neutron flux distribution, 22:42284
  - Nuclear reactor optimization, 25:57180
- HARA, Hideki Design study of steam cooled fast breeder reactor, 24:1980
  - Statics of the power fast breeder reactor with the central blanket, 23:33043
- HARA, Hiroaki Analytic properties of distribution functions of Bose fluids, 24:21704
  - Cluster expansion for quantum gases. III, 22:39214
  - Condensation in the hard-sphere Bose gas, 25:52985
  - Long-distance behaviors of the pair distribution function of Bose fluids, 23:39402
- HARA, Hiroshi Heterotopic bone formation in the lung, 25:58133
- HARA, Hutaka Study on the leucocyte-reducing substance in a radiation injury, 22:19437
- HARA, Jizaemon Adsorbed species in deuterium-exchange reactions of propylene, 23:26233
  - Normal vibrations and assignments of infrared spectra of propane and its deuterium derivatives, 22:12295
- HARA, K. Blocking effect in the nuclear pairing theory: an application to Sn isotopes, 25:50816
  - Coupling of a quasiparticle to the pairing vibrations, 22:16065
  - Josephson-current in heavy-ion reactions, 25:48124
  - Multiple pair transfer in reactions between heavy nuclei, 25:48123
- HARA, Kazuo Activation of a cytostatic (cyclophosphamid-Endoxan) by ionizing radiation. II, 23:9862
  - Activation of Endoxan by irradiation, 22:49279
- HARA, Keiji Radiation therapy of esophageal cancer, 23:31860
- HARA, Kenji Number-conserving approach to pairing-force model. II, 21:31843
  - Number-conserving approach to the pairing-force model. I, 21:15636

On the many-body theory of nuclear reactions, 22:27255
HARA, M. Future direction of computer control of power reactors in Japan, 23:40344
Thyroid crisis following ^{131}I therapy, 25:26881
HARA, Masaaki Radiation treatment of malignant tumors, 21:45691
HARA, Masao Application of pseudo random binary signals to JRR-3 high power dynamics measurements, 22:20927
Application of pseudo random binary signals to JRR-3 high power dynamics measurements, 24:47902 (CONF-680980-, pp 267-74)
Clinical studies of thyroid disorders. II, 22:19289
Present status of computer control of nuclear reactor, 25:46242 (KURRI-TR-75, pp 2-14)
HARA, Mitsuo Chemistry of Am. I, 24:20783
Enrichment of /sup 87m/Sr by recoil effect of (n,2n) reaction, 21:35442
HARA, Mitsuru Pathology of early death in atomic bomb casualties in Hiroshima, 23:38745
HARA, Nobuhiro Rotary electrical ac generators utilizing the magnetic shielding and trapping by superconducting plates, 24:2348
HARA, Osamu A quantum theory of the rigid body in terms of a two-component spinor, 21:40158
Bose quarks and non-leptonic weak interactions, 24:40348
Deformable sphere model of elementary particles and its relation to quark, 22:32118
Deformable sphere model of hadrons, 25:17475
Extended particle model of elementary particles, 23:7104
Relation of Veneziano amplitude to structured particle, 24:49359
Tranformation properties of the rigid sphere wave functions and their relation to the Dirac spinor, 21:13732
HARA, R. Summary and remarks on sample irradiations, 22:12124
Summary of in-pile loops at JAERI, 22:12120
HARA, Setsuo Seedless fruit induced by irradiation of pollen, 21:20150
HARA, Shunsuke Dipole-polarization potential in H_2—electron system, 24:3180
Rotational excitation of H_2 by slow electrons, 24:12651
Rotational excitation of HD molecule by slow electrons, 25:19502
Two-center approach in low-energy electron—H_2 scattering, 23:48748
HARA, T. High-energy muon flux at sea level up to 8 TeV derived from observed burst size spectrum, 25:47723
Readout and monitor system for a multiwire spark chamber by magnetostrictive delay line, 21:43258
Search for relativistic quarks in cosmic rays, 25:25279
HARA, Tadao Horizontal air showers of energies above 10^{13} eV, 25:12071
HARA, Takeshi Hemorrhagic death following radioinduced bladder injuries, 21:409
HARA, Tomiyuki Distribution of radiomanaganese in embryonic tissues of the mouse, 21:10796
HARA, Toshihiko Scintigraphy of lung cancer using ^{203}Hg, 25:26842
HARA, Toshitsugu Electrode voltage drop in a seeded plasma, 22:13316
HARA, Y. Total cross sections and Regge pole model, 22:44424
HARA, Yasuo Crossing relations for helicity amplitudes, 24:15695
Crossing relations for helicity amplitudes, 25:40983
Current x current interaction and ΔI absolute value = 1/2 rule, 21:35292
ΔI absolute value = 1/2 rule and $K \rightarrow 2\pi$ decays, 21:27348
Fundamental particle physics, 23:49181
High energy NN scattering with large momentum transfer and chiral SU(2) x SU(2) symmetry, 22:35015
$K \rightarrow 3\pi$ decays in dual models, 24:40329
Leptonic decays of K mesons, 24:28535
Neutron—proton mass difference and the A2 Regge pole, 23:10790
Parity—violating nonleptonic decays of hyperons, 22:11639
PiN scattering in the Virasoro model, 23:42681
Relations among Regge trajectories and dual resonance model, 25:22814
Spin independence of total cross sections, 21:7475
Total cross sections at high energies, 21:35350
HARACZ, R. D. Nucleon—nucleon scattering, 22:3458
Phenomenological phase-parameter fits to N—N data up to 350 MeV, 22:15817
HARACZ, Richard D. Nucleon—nucleon scattering phase parameters, 24:40424
Nucleon—nucleon scattering phase parameters in higher-symmetry models, 25:17521
Relativistic two-pion-exchange effects in nucleon—nucleon scattering up to 350 MeV, 24:13119
Scalar meson, pion—pion interaction, and nuclear forces, 21:44388
Two-boson-exchange effects in nucleon—nucleon scattering, 23:15150
HARACZ, Richard Daniel Meson resonances and nuclear forces, 22:39431
HARADA, A. Analysis of Zircaloy, 25:26171
HARADA, K. E1 transitions from the septuplet in ^{209}Bi, 24:45797
Effects of magnetic dipole core polarization in ^{208}Pb and ^{207}Pb, 25:12600
Investigation of reaction ^{9}Be(^{3}He,n)^{11}C in energy range 3.5 to 10 MeV, 22:41954
Investigation of the reaction ^{9}Be(^{3}He,n)^{11}C in the energy range 3.5 to 10 MeV, 22:26892
Reaction ^{9}Be(^{3}He,n)^{11}C in energy range 3.5 to 10 MeV, 22:39577 (CONF-670970-, pp 161-77)
HARADA, Kichinosuke Low-lying states in medium- and heavy-mass nuclei, 22:48512 (JAERI-1158)
Note on Y_{40} deformation in heavy nuclei, 22:48584 (JAERI-1158, pp 120-2)
Optical potentials for composite particles, 24:20420 (JAERI-1184, pp 52-6)
Unified theory of alpha decay, 22:27333
Unified theory of alpha decay, 22:30103
HARADA, Kieko Photo-physicochemical behavior of iron and chromium compounds, 22:45065
HARADA, Minoru Nuclear matter calculations with soft-core potentials in momentum space. I, 21:13909
Nuclear matter calculations with soft-core potentials in momentum space. II, 22:3786
HARADA, T. Extraction of Y in system YCl_3—HCl—H_2O—DI(2-ethylhexyl) phosphoric acid, 24:16647
HARADA, Takeo Extraction of Y in the system $Y(NO_3)_3$—HNO_3—H_2O—di(2-ethylhexyl) phosphoric acid, 25:13097
Release of radioactivities from ion exchange resins into sea water, 23:11676
HARADA, Takfo Extraction of chloride by di(2-ethylhexyl) phosphoric acid from rare earth chloride solutions, 25:39593
HARADA, Takuji Spectrophotometric study on the thorium complex of o-carboxyphenyl-azo-chromotropic acid, 21:27902
HARADA, Tanenari Radiometric survey on Kanmon formations in Northern Kyushu, 24:44101
HARADA, Toyoshige Automatic control systems for medical electron linear accelerators, 25:1684
HARADA, Y. Chromatographic studies on rapidly labeled RNA prepared from ultraviolet-irradiated Pseudomonas effusa, 21:32578
Metal carbide—graphite composites, 24:4836
Metal carbide—graphite composites, 23:3143 (N-68-27531)
Prog. rpt. on graphite—metal composites, final, 8/1/65—7/31/66, 21:13238 (N-66-34066)
Prog. rpt. on graphite—metal composites, 2/1/66-5/1/66, 21:14902 (N-66-26236)
Prog. rpt. on metal carbide—graphite composites, 11/66—1/67, 22:731 (N-67-19056)
Properties of tantalum carbide—graphite and niobium carbide—graphite composites, 23:3142 (N-68-27399)
HARADA, Yukio Gamma irradiation of stored apples, 23:48308
HARAGA, C. Means for increasing power of VVR-S reactors, 21:35601
Outlook for the development of research reactors, 21:34162
HARAGUCHI, Akira Dynamic properties of concrete exposed to high temperature, 23:30143 (ORNL-tr-2124)
HARAGUCHI, Hatsukichi Hydraulic mining test for U deposits of Ningyotoge type, 22:49003
HARALDSEN, H. Uranium chalcogenides. I, 22:47125
HARALDSON, S. Paramagnetic centers in tin-doped galliumphosphide, 22:41654 (UUIP-582)
HARAM, S. A. Neutron irradiation apparatus, 24:14150
HARAMURA, Hiroshi Major element variation and possible source materials of Apollo 12 crystalline rocks, 25:24838
HARAN, E. N. Dipole moment and polarizability differences between NH_3 and ND_3, 22:12294
HARANG, L. Bursts of VLF emission simultaneous with dip of absorption and SC, 24:1316
Emission of VLF during the great disturbance of 25—26 May 1967, 22:52666
Enhanced radiation during auroral and geomagnetic disturbances, 21:41945
Forbush decrease in cosmic rays and the transit time of the modulating cloud, 22:52550
Low latitude vlf emissions and polar substorms, 24:6463
Polarization of auroral echoes, 24:35299
Radio noise from aurora, 23:36590
Vlf emissions along N—S chain of stations crossing the auroral zone, 25:17014
Vlf emissions observed at stations close to the auroral zone and at stations on lower latitudes, 22:41497
HARANG, Leiv Drift measurements of E region in Norway, 21:5158
HARANG, O. Variation in width of the H/sub α/ line in aurora, 22:17500
HARANG, Ove E. N II 4176-A emission in connection with type-B auroras, 24:1341
HARAN-GHERA, N. Host resistance against isotransplantation of lymphomas induced by the radiation leukemia virus, 24:644
Mechanism of radiation action in leukemogenesis. III, 23:18108
Radiation action in leukemogenesis. IV, 23:17934
HARAN-GHERA, Nechama Leukemogenic activity of centrifugates from irradiated mouse thymus and bone marrow, 21:13013
Leukemogenic filterable agent from reticular cell neoplasms, 23:33850
Mechanism of radiation action in leukemogenesis, 22:28633
Mechanism of radiation action in leukemogenesis, 22:28670
HARANO, Chicao Breast tumors of the atomic bomb casualties, 21:16386
HARAPRAKASH, B. Acetic acid as eluting agent for Pu(IV), 23:376
HARAR, S. Analysis of the reactions (^{3}He,d), (d,^{3}He), (d,d') for a systematic study of In even—odd isotopes, 25:17933
Condition of proton particle holes in the tin isotopes 120 and 122, 24:3919 (CEA-CONF-1330)
Excitation of simple particle-hole configurations in the residual nucleus, 23:31079
Proton particle-hole states, 24:43430
Reaction (d,^{3}He) on even Sn nuclei, 22:27143
Reaction (d,^{3}He) on even—even tin isotopes, 23:25930
Reaction $^{130}_{52}$Te(t,α)$^{129}_{51}$Sb, 24:3921 (CEA-CONF-1331)
Reaction ^{130}Te(t,α)^{129}Sb, 24:43429
Reactions (^{3}He,d) on even tin isotopes, 22:48527
Reactions $^{106\ 114}_{48}$Cd(^{3}He,d)$^{107\ 115}_{49}$In, 24:3920 (CEA-CONF-1329)
Reactions $^{106\ 114}$Cd(^{3}He,d)$^{107\ 115}$In, 24:43428
Reactions on (^{3}He,d) even Sn nuclei, 22:27145
HARAR, Samuel Spectroscopic study of near closed-shell nuclei Z = 50, 23:10995 (CEA-R-3530)
HARARI, A. Preparation of oxide monocrystals MO_2, 22:26077
HARARI, H. Duality and the Pomeranchuk singularity, 25:7634
Elastic K^{+-}p scattering and dual absorptive model, 25:33762
Helicity conservation in diffraction scattering and duality, 24:40390
Recent developments duality and hadron dynamics, 24:20243 (BNL-50212, pp 385-481)
Resonances: theory, 23:10805
Vector dominance and forward photoproduction of charged pions by polarized photons, 23:32651
HARARI, Haim Algebraic representation of current commutators, 23:18944
Comparison of experiments with models for photoproduction, 22:22345 (CONF-670923-, pp 337-75)
Double particle exchange in hadronic reactions, 25:33719
Dual absorptive model for dips in inelastic hadron processes, 25:38734
Duality and Pomeranchuk singularity, 24:13109
Duality diagrams, 23:18881
Duality, quarks, and inelastic electron—hadron scattering, 24:12986
Elastic hadronic processes, duality, and absorption, 25:43617
Electromagnetic interactions and SU(3), 22:7539 (SLAC-PUB-349)
Electromagnetic interactions and SU(3), 22:37175 (CONF-670725-, pp 56-73)
Electromagnetic mass differences and inelastic electron scattering, 24:12993
Electroproduction of π^0, 25:59346
Inelastic electron—nucleon scattering and Pomeranchuk singularity, 23:27780
Is the pomeranchon an ordinary Regge trajectory, 22:44402 (SLAC-PUB-463)
Is the pomeranchon an ordinary Regge trajectory, 24:8752
Mass formulas and the algebraic structure of superconvergence relations, 21:42364
New sum rules for Compton scattering, 21:15294
Phenomenological analysis of the photoproduction of neutral vector mesons and strange particles, 21:25259
Pion exchange, duality, and forward structure of scattering amplitudes, 23:39726
Pomeranchuk trajectory and its relation to low-energy scattering amplitudes, 22:35151
Properties of P and P' Regge trajectories from low-energy πN and KN scattering amplitudes, 22:41818
Resonances (theory), 23:1625 (SLAC-PUB-508)
Review of basic SU(3) ideas, 22:37171 (CONF-670725-, pp 4-16)
Saturation of superconvergence relations and current-algebra sum rules for forward amplitudes, 21:31588
Strong-interaction sum rules for pion—hadron scattering, 22:15758
Superconvergent dispersion relations and electromagnetic mass differences, 21:9750
Vector dominance, Regge poles, and π^0 photoproduction, 22:48273
HARARI, J. Photo production mechanisms, 24:24281
HARARY, Isaac Identification of pure myosin as judged by radioactive purity criteria, 25:18318 (UCLA-12-808)
In vitro studies of beating heart cells in culture. XIV, 25:18317 (UCLA-12-807)
Myosin turnover and effect of serum, 25:51992 (UCLA-12-830)
HARASAWA, Shiro Paper chromatographic separation and spectrophotometric determination of trace amount of zirconium, 23:26171
HARASAWA, Susumu Magnetic anisotropy of Fe—Ni thin film induced by irradiation, 24:19966
Magnetic properties of neutron-irradiated Fe—Ni thin film alloy, 22:7362
Measurements of fast neutron spectra in reactor core and thermal column of Rikkyo reactor, 24:38596 (IAERU-7001)
Thermoluminescence of purified LiF powder, 25:11951
HARASZTI, Maria Radiation sterilization of an ophthalmic ointment containing hydrocortisone and chloramphenicol. IV, 25:27161
Sterilization of hydrocortisone eye-ointment by γ irradiation. II, 22:52101
HARATA, Junko Effect of gamma radiation on enzymes in apple, 25:24458
Effects of gamma rays on apple, 23:50974
HARATA, Nobumasa Effects of exposure, freezing, and radiation on explanted gastric mucosa, 22:528
HARATANI, Thomas Introduction to x-coefficients and a tabulation of their values, 25:59881
HARATYM, Z. Excitation of isomeric activities in ^{71}Ge, ^{78}Br, and ^{79}Br using 14.8 MeV neutrons, 24:47627
Excitation of isomeric activities in ^{71}Ge, ^{78}Br, and ^{79}Br using 14.8-MeV neutrons, 25:12430 (INR-P-1091)
Excitation of isomeric activities in Rb, Y, Pd, Cd, W, Os, and Pb using 14.8-MeV neutrons, 25:59797
Excitation of short-lived isomeric activities in ^{77}Se, ^{122}Sb, ^{137}Ba, ^{167}Er, and ^{179}Hf using 14.5-MeV neutrons, 25:20435
HARATYM, Zbigniew Application of 200 kV accelerator for production of drive-in targets from gaseous radioactive xenon, 23:49288
Isomeric activities for some N = 81 isotones, 24:35880
HARAVU, K. Reaction ^{86}Kr(d,p)^{87}Kr, 24:49831
HARAYAMA, Hiroshi Radiation-induced gas phase graft copolymerization of butadiene to poly(vinyl chloride). I, 24:13885

  - Radiation-induced gas phase graft copolymerization of butadiene to poly(vinyl chloride). II, 24:13886
- HARAYAMA, Yasuo Design for power reactor fuel assembly, 25:51095 (JAERI-12704)
  - Pressure drop in JPDR test fuel assembly, 25:50885 (JAERI-13548)
- HARBAUGH, John W. Stratigraphy and geologic time, 24:36399
- HARBAUGH, Willis E. Thermionic converter, 23:20750
- HARBEKE, G. Anisotropy of the optical constants and the band structure of graphite, 23:22692
- HARBER, L. C. Photosensitivity in man and animals, 22:51877
- HARBER, Leonard C. Photoallergic contact dermatitis, 21:39352
  - Photoallergic contact dermatitis due to halogenated salicylanilides, 22:19361
  - Polymorphous light eruption, 22:19446
- HARBERS, E. Investigations on nucleohistones, 21:22232 (BMwF-FBK-66-36)
- HARBERS, Eberhard Investigations on nucleohistones. III, 21:45557
  - Nucleic acids in the biological action of ionizing radiation and in carcinogenesis, 21:12932
- HARBERT, G. M. Prog. on Amchitka bioenvironmental program, 7/1/69—6/30/70, 25:37744 (BMI-171-137)
- HARBERT, J. C. Radiation dose in isotope encephalography, 24:44493
- HARBERT, John C. Alterations in radioactive isotope renogram pattern, 24:14548
  - Beta dose to spinal cord and nerve roots in ^{131}I—HSA cisternography, 24:50884 (CONF-691212-, pp 207-23)
  - Cerebrospinal fluid rhinorrhea studied with the gamma scintillation camera, 23:38680
  - Improved method of renography using the split crystal scintillation camera, 22:36298
  - Oral Ba administration before bone scanning, 24:12183
  - Polaroid film for scintiphotography, 24:14534
  - Prevention of radiation nephritis, 22:40753
  - Radionuclide cisternography, 25:35172
  - Rapid sequential visualization of heart and vessels in man using Anger scintillation camera, 23:38651
  - Scintillation camera renography in superior infundibular obstruction, 23:26842
  - Spinal cord dosimetry in ^{131}I-IHSA cisternography, 25:4510
  - Technetium-99m-albumin for brain scanning, 23:26848
  - Video system for recording radioisotope studies, 23:38672
- HARBINSON, E. N. Combined effects of H and irradiation at 650 and 775°F on tensile properties of Zircaloy-4, 22:4825
  - Effects of irradiation on the tensile properties of Zircaloy 2 and 4 and borated stainless steel, 25:42911
  - Examination of stainless-steel-clad ThO_2—UO_2 fuel rods and Zircaloy-2 can after operation for 442 EFPD in the Indian Point Reactor. Final report, Volume 1 of 3 volumes, 24:36994 (BAW-3809-6)
  - Irradiation performance of sol-gel UO_2—20 percent spherical particles, 24:30051 (CONF-700502-, pp 414-21)
  - Mechanical properties of Zircaloy-4 after irradiation, 22:52221
- HARBINSON, G. S. Low-angle scattering of energetic ions from an amorphous surface, 25:58689
- HARBISON, S. A. Angular distributions of ^{4}He(p,d)^{3}He, ^{4}He(p,t)2p, ^{4}He(p,^{3}He)pn, and ^{3}He(p,d)2p, 25:3555
  - Cross-section measurements for the reactions ^{10}B(p,d)^{9}B and ^{10}B(p,t)^{8}B, 24:13285
  - Cross-section measurements for the reaction ^{10}B(p,^{3}He)^{8}Be, 25:17688
  - Measurements of cross-sections for nuclear reactions related to anomalous composition of 3 Centauri A, 24:4877
  - Nucleon—nucleon final-state interactions in the reactions ^{3}He(p,d)2p, ^{4}He(p,t)2p, and ^{4}He(p,^{3}He)pn, 23:32896
  - Polarization in elastic scattering of 30-MeV protons by ^{3}He, 22:26800
  - Search for excited states in ^{3}He by the ^{3}e(p,p')^{3}He* reaction, 22:15943
  - System p-^{3}He at 30 and 50 MeV, 25:3556
- HARBISON, S. G. Application of systems analysis techniques to remote systems, 24:5852
- HARBOTTLE, G. Neutron activation analysis of potsherds from Knossos and Mycenae, 24:38798
  - Oxidative recoil reactions in crystalline compounds of univalent thallium, 21:24055
- HARBOTTLE, Garman Chemical effects of gamma irradiation on ^{204}Tl incorporated in KCl crystals, 23:9446
  - Chromium-51 retention and annealing in single crystals of K_2CrO_4 irradiated at low neutron doses, 21:45163
  - Current problems in the chemical effects of nuclear transformations, 22:27741 (BNL-12361)
  - Half-lives of /sup 108m/Ag and /sup 192m2/Ir, and of ^{137}Cs and ^{204}Tl, 24:52613
  - Neutron activation analysis of potsherds from Knossos and Mycenae, 23:33159 (BNL-13740)
  - Recoil and annealing studies in neutron-irradiated crystalline molybdenum hexacarbonyl, 24:48116
  - Recoil behavior of different isotopes in metal hexacarbonyls, 22:16611
- HARBOTTLE, J. E. Chemical polishing of irradiated nickel and stainless steel, 24:34854 (RD/B/N-1663)
  - Contribution to the discussion on nucleation, 25:58333
  - Influence of HVEM irradiation on neutron induced voids in Ni, 25:58330
  - Instrument for studying low frequency internal friction at constant amplitude in irradiated foils, 24:11861
  - Irradiation growth and creep in Zircaloy-2, 24:14838
  - Temperature and neutron dose dependence of irradiation growth in Zircaloy 2, 25:42915
- HARBOUR, P. J. Influence of secondary electrons on an electron-beam probe, 22:24264
- HARBOUR, R. M. Existence of 1-min ^{101}Nb not confirmed, 23:40056
  - Fractional cumulative yields of ^{132}Te and ^{134}Te from thermal-neutron-induced fission of ^{245}Cm and ^{249}Cf, 25:50755
  - Half-lives of ^{245}Cm, ^{246}Cm, and ^{248}Cm, 25:46085
  - Mass yields from spontaneous fission of ^{252}Cf, 25:34147
  - Yield of /sup 99m/Nb from fission of ^{233}U, ^{235}U, ^{238}U and ^{252}Cf, 25:20406
- HARBOUR, Robert Myron Yields of ^{99}Nb from fission of ^{233}U, ^{235}U, ^{238}U, and ^{252}Cf, 24:18416
- HARBOURNE, B. L. Design and fabrication of sodium-bonded (U, Pu)C fuel pins for testing in EBR-II, 24:25769 (WARD-3791-43)
  - Experiment description and safety analysis for 13 (U,Pu)C-fueled experimental MkA capsules, 24:46045 (WARD-3791-33)
  - Irradiation behavior of sodium-bonded (U,Pu)C fuels, 23:36285
  - Irradiation behavior of sodium-bonded (U,Pu)C fuel pins, 25:32859
  - Irradiation tests of sodium-bonded mixed carbide fuel pins, 24:10205
  - Mixed-oxide fuel pin performance analysis, 25:34365
  - Postirradiation observations of sodium-bonded (U,Pu)C fuels, 25:4894
- HARBOV, I. Results with radiation treatment of non-tumorous illnesses, 22:40741
- HARBRIDGE, W. B. Dependence of very low-frequency electric field antenna impedance on magnetospheric plasma density, 24:26075
- HARBST, H. Bone scintigraphy with ^{18}F and /sup 87m/Sr, 23:48134
  - Clinical results with ^{18}F, 25:24244
  - Functional studies with short-lived reactor isotopes, 25:10943
  - New radiocompound with possibilities in lymphographic studies: radiosilver oleate, 22:33891
  - Sequential scintigraphy in renal transplantation, 23:48125
- HARBST, Hans Clinical importance of the study of the lymphatic system with radioisotopes, 25:58055
  - Postoperative radiotherapy of mammary carcinoma without irradiation of the thorax wall, 25:13533
- HARBUCK, T. A. Electrical conduction and dielectric breakdown in thin evaporated layers of several rare earth oxides, 22:24400 (CONF-670502-, pp 591-602)
- HARBUNOW, P. Ts. Biological substantiation of the possibility of banking blood in plastic containers sterilized, together with solutions, by gamma rays, 23:14291
- HARBUR, D. R. Alloying behavior of thulium and lutetium with plutonium, 25:22031
  - Ceramic coatings used in casting plutonium and its alloys, 25:727 (LA-4495)
  - High yield ^{233}U casting operations, 21:39567
  - Pre $\alpha \rightarrow \beta$ transformation in high purity plutonium, 23:22572
  - Preparation of a Pu—0.4 wt. percent Tm alloy on a multikilogram scale, 21:11198 (LA-3621)
  - Preparation of sound high purity Pu rods. I, 22:17085
  - Preparation of sound high purity Pu rods. II, 24:4806
  - Rapid quenching drop smasher, 21:4952 (LA-3584)
  - Studies on the U—Pu—Zr alloy system for fast breeder reactor applications, 25:6841 (LA-4512)
- HARCHOL, M. Coulomb displacement energies of nuclei, 21:2617
  - Coulomb displacement energy systematics from calcium to samarium, 21:25519
  - Isobaric analog resonances in light nuclei, 21:1045
  - Isobaric analogue resonances in (p,n) reactions on ^{74}Ge, ^{107}Ag, ^{109}Ag, and ^{141}Pr, 21:2699
  - Isobaric analogue resonances in (p,n) reactions on ^{78}Se, ^{80}Se, ^{82}Se, and ^{87}Rb, 22:15978
- HARCOURT, Keith F. Effect of pretreatment with endotoxin on response of skin to irradiation, 23:920
- HARCOURT, R. A. G. Note on porous metal filters in nuclear power stations for CO_2 purification, 22:7015
- HARD, R. C. Jr. Enzyme activity of donor origin in radiation chimeras, 23:38532
- HARD, T. M. Analysis of the pure rotational absorption spectra of hydrogen sulfide and deuterium sulfide, 23:13708
- HARDACRE, A. G. Ion implanted Ge detectors, 24:33885
  - Ion implanted germanium particle detectors, 23:29179
  - Ion implanted germanium particle detectors, 24:5888 (EUR-4269, pp 267-82)
  - Nuclear structure of the odd tin isotopes, 24:13355
  - Proton differential elastic scattering cross sections for even isotopes of tin at 30.4 MeV, 25:56764
  - Single quasiparticle and collective states in the odd isotopes of tin, 22:20627
  - Use of a sonic spark chamber with a 180° double focussing magnetic spectrometer, 21:28235
- HARDAWAY III, John B. Ionic domain for Y_2O_3-doped ThO_2 at low oxygen activities, 25:27286
- HARDAWAY III, John Benjamin Ionic domain for yttria doped thoria at low oxygen potentials, 23:48527 (IS-T-333)
- HARDCASTLE, J. E. Liquid-scintillation technique for the radioassay of ^{45}Ca, 21:15844
- HARDCASTLE, James E. Relative absorption of strontium and calcium by certain algae, 22:21438
- HARDCASTLE, James Edward Radioassay of ^{45}Ca and ^{89}Sr from biological systems by liquid scintillation counting, 23:7466
- HARDCASTLE, Kenneth Water, H, Deuterium, C, and ^{18}O content of selected lunar material, 24:20709
- HARDCASTLE, Kenneth I. Rare earth—H systems. II, 21:53
- HARDCASTLE, R. A. Classifications of emission lines of highly ionized P and S, 24:28032
  - Measurement of electron temperatures produced by collisionless shock waves in a magnetised plasma, 22:3013
- HARDE, R. Compact Na-cooled nuclear reactor installation at Karlsruhe (KNK). II, 21:5637
  - Design considerations and experimental program for common development of 300-MWe Na-cooled fast breeder prototype SNR by Belgian—Dutch—German consortium, 23:47157 (ANL-7520(Pt.2), pp 130-46)
  - Development of an advanced sodium technology, 22:45223
- HARDE, Rudolf Compact sodium-cooled nuclear reactor installation at Karlsruhe (KNK), 22:14210
  - Fuel element assembly for nuclear reactors, 21:5726
- HARDEBECK, Ellen Gundermann Interplanetary scintillations. V, 24:10257
- HARDEBECK, Gundermann Declination measurements of selected 4C sources using Arecibo 1000-ft reflector, 23:51255
- HARDEBECK, H. E. Interplanetary scintillations. II, 21:16762
- HARDEE, D. D. Behavior of irradiated boll weevils. I, 23:10040
- HARDEE, H. C. High intensity direct reading heat flux gauge, 25:37225 (SC-DR-710194)
  - Liquid-propellant rocket abort fire model, 25:2038 (SC-RR-70-454)
  - Optimization of multi-layer insulator systems for transient applications, 24:31199 (SC-DR-70-321)
- HARDEK, T. Measurement of titanium vacuum chamber eddy current fields and pole face winding corrections for Zero Gradient Synchrotron (ZGS), 25:50535
- HARDEKOPF, R. A. Cross-section and polarization measurements for ^{11}B(d,n_0) and ^{11}B(d,n_1) reactions from 7 to 12 MeV, 25:53653
  - Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:31235
  - Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:53632
  - Polarization in n—d scattering at 7.8 MeV, 24:35812
  - Polarization of neutrons from D(d,n)^{3}He reaction from 6 to 14 MeV, 25:53542
  - Polarization produced in ^{9}Be(d,n) reactions at 3.0 and 3.5 MeV, 25:53651
- HARDELL, Oe. Gamma rays from thermal neutron capture in ^{40}Ca, ^{42}Ca, ^{43}Ca, ^{44}Ca, and ^{48}Ca, 24:47584
- HARDELL, R. Energy levels in ^{70}Ga and ^{72}Ga, 25:25690
  - Energy levels of ^{26}Mg studied with the (n,γ) reaction, 24:10947
  - Gamma rays from thermal neutron capture in natural neon, 22:29950
  - Gamma rays from thermal neutron capture in natural argon, 22:50564
  - Gamma rays from thermal neutron capture in ^{24}Mg, 24:47568
  - Neutron- and proton-capture gammas measured with lithium-drifted germanium spectrometers, 22:14836
  - Thermal neutron capture gammas measured with Ge(Li)-spectrometers and internal reactor targets, 21:43253
  - Thermal neutron capture in ^{19}F, 23:8949
  - Thermal neutron capture in natural argon, 25:17850
  - Thermal-neutron capture gamma rays from ^{27}Al(n,γ)^{28}Al reaction, 23:19225
- HARDEN, B. N. Satellite equipment for the measurement of high energy electrons and protons, 25:11813
- HARDEN, R. McG Activation analysis, 22:15065
  - Bromine-82 in thyroid gland of rats, 22:10689
  - Comparison between the inhibitory effect of perchlorate on iodide and pertechnetate concentrations in saliva in man, 23:4870
  - Concentration of iodide, pertechnetate, and bromide in human saliva and gastric juice, 22:40600
  - Effect of extrathyroidal activity on the estimation of radioiodide clearance, 22:23465
  - Handling of I and Tc by thyroid gland of rat, 22:14961
  - Isotope uptake and scanning of stomach in man with /sup 99m/Tc—pertechnetate, 22:25919
  - Neck extrathyroidal activity of /sup 99m/Tc-pertechnetate, 24:12140
  - Pretreatment with potassium perchlorate and methylthiouracil on results of ^{131}I therapy, 21:12941
  - Quantitative uptake measurements of /sup 99m/Tc, 25:6624
  - Relation between the clearance of iodide and pertechnetate in human parotid saliva and salivary flow rate, 22:25736
  - Salivary iodide trap in man, 23:2774
  - Study of extra-thyroidal neck radioactivity using a radioisotope scanner, 22:38362
  - Treatment of thyrotoxic patients with atrial fibrillation, 24:891
  - Treatment of thyrotoxicosis after antithyroid drug therapy, 24:2826
  - Uptake and scanning of the salivary glands in man using pertechnetate /sup 99m/Tc, 21:39460
- HARDENBERG, K. Invariant functions and discrete symmetries. I, 23:39779
- HARDEN III, W. H. Effect of cladding ovality and diametral creep on fuel rod support systems (LWBR development program), 25:10167 (WAPD-TM-714)
- HARDENNE, N. Legal relationships which may arise under the Paris Convention as a result of nuclear incidents, 24:22965
- HARDER, B. R. Use of molten uranium chloride—alkali chloride mixtures as reactor fuels, 23:38045
- HARDER, C. A. Engineering fire-suppression systems for large volumes using Halon 1301, 25:54957 (CONF-710401-, pp 248-56)
  - Portable gloved-box exhaust system, 21:12553 (UCRL-50007-66-1, pp 53-4)
- HARDER, C. R. Demonstration of a body force produced on a theta-pinch plasma column by helical magnetic fields, 25:49930
  - Theta-pinch experiments with helical equilibrium fields in a 5-meter toroidal sector and in a 3-meter linear device, 25:38480 (CONF-710607-116)
- HARDER, Carroll Ross Crossed-field experiment to study plasma formation processes, 25:3115
- HARDER, Charles A. Engineering tests of Halon 1301 fire extinguishing systems for field assembly buildings, 25:31748 (UCRL-51021)

HARDER, D. Buildup and equilibrium of secondary electrons for high-energy electron radiation, 22:38801
  Check of electron backscattering coefficients at 10 and 20 MeV, 23:7760
  Definitions of dose equivalent, the rem and valuation factor, 23:29501 (NRC-TT-1361)
  Plastic scintillation spectrometer for electrons in energy range 2 to 20 MeV, 22:10584
  Rosette motion in negative-particle channeling, 25:1304
  Secondary electron spectrum build-up in high-energy electron radiation, 24:44970 (EUR-4452, pp 595-613)
  Similarity of secondary-electron tracks, 25:22587
  Spectra of primary and secondary electrons, 21:13363
  Transmission and range of fast electrons in energy region 4 to 30 MeV, 21:27006
  Transmission and range of fast electrons in energy range 4 to 30 MeV, 23:3261 (ORNL-tr-1862)
HARDER, D. G. Computer control of Van de Graaff accelerator vacuum systems, 25:25595
HARDER, Dietrich Calculation of energy dose from ionization measurements by secondary electron equilibrium, 22:51260
  Definition of dose equivalent, the Rem unit, and the valuation factors, 21:3408
  Effects of fast electrons on matter, 22:25755
  Effects of many-fold scattering of electrons on ionization, 22:47386
  Energy spectra of fast electrons at different depths, 22:52492
  Energy spectra of slowed down electrons at various absorber depths, 22:31079
  Transmission of fast electrons through thick layers of matter, 22:41636 (ANL-Trans-608)
  Transport theory of electron absorption, 24:44969 (EUR-4452, pp 567-94)
HARDER, H. 300 MW thorium high-temperature power plant (THTR), 25:31539
  Core physics caluclation for the THTR, 23:21441
  Layout of the core and fuel elements of the THTR, 24:50072 (CONF-700401-, pp 180-94)
HARDERS, H. Conference on microcirculation, Goteborg, 6/68, 25:11192
  Prog. rpt. on shielding experiments at Geesthacht research reactor, annual, 1967, 23:49586 (EUR-4230)
HARDIE, D. Discussion: hydrogen in nonferrous metals, 21:32897
  Grain-size dependence in the flow and fracture of alpha zirconium, 21:3489
HARDIE, G. Energy levels in ^{33}P, 23:49358
  One-phonon octupole vibration of ^{151}Eu, 25:20432
HARDIE, Gerald Elastic scattering of 1.33-MeV photons from Pb and U, 24:24604
  Elastic scattering of 1.33-MeV photons from lead and uranium, 25:31370
HARDIE, R. H. Absolute dimensions of CM Lacertae, 22:49910
  UBV photometric study of MR Cygni, 24:17454
HARDIE, R. W. 1DX: one-dimensional diffusion code for generating effective nuclear cross sections, 23:31154 (BNWL-954)
  2DB user's manual, 23:52444 (BNWL-831(Rev.1))
  2DB: two dimensional diffusion burnup code for fast reactor analysis, 22:16308 (BNWL-640)
  3DB: three-dimensional diffusion theory burnup code, 24:22387 (BNWL-1264)
  Analysis of critical experiments using version II of the evaluated nuclear data file, 24:33438
  Comparison of the codes RSYN and 3DB, 25:15343 (WHAN-IR-48)
  Comparison of two-dimensional and three-dimensional neutronics calculations for the FTR, 25:18181 (WHAN-SA-11)
  Data processing codes for fast reactors, 23:37473
  DPB: dynamic programming code for optimizing short-term operation of a power utility, 25:12919 (WHAN-IR-47)
  Effect of iterating on the elastic removal cross section in multigroup fast-reactor spectra calculations, 22:6013
  FCC-IV: revised version of FCC fundamental mode fast reactor code, 21:44820 (BNWL-450)
  Fuel management models and analysis for the FTR, 24:7211
  Methods for collapsing fast-reactor neutron cross sections, 21:42527
  Multigroup analysis of selected fast critical assemblies, 21:14068 (BNWL-347)
  Neutronics characteristics of cermet and ceramic driver fuels for Fast Test Reactor (FTR), 21:21785
  Numerical comparison of diffusion and transport (S/sub n/) codes, 23:31156 (BNWL-992)
  PERT-IV: two-dimensional perturbation code in FORTRAN-IV, 21:30104 (BNWL-409)
  PERT-V: two-dimensional perturbation code for fast reactor analysis, 23:52445 (BNWL-1162)
  Progress in meeting cross section needs from a fast-reactor designer's view, 25:23253 (HEDL-SA-163)
  Reactivity coefficients in dilute plutonium fueled fast criticals, 23:19534
  Strategy and techniques for solving the two-dimensional multigroup diffusion equation, 23:26107 (BNWL-SA-2164)
  User's manual 2DB, 22:50838 (BNWL-831)
  User's manual for the 1DX—2DB—3DB—PERT-V code package, 25:3923 (BNWL-1412)
HARDIGREE, Alice A. Giant cells of E. coli, 22:23495
HARDIMAN, J. P. Efficiency of a ^{6}Li glass scintillator detector for fast reactor spectrum measurements, 25:18637 (AEEW-M-898)
  Neutron spectra in subcritical graphite- and beryllia-moderated assemblies, 22:30326
  Neutron-chopper time-of-flight spectrum measurements on undermoderated graphite and beryllium systems, 21:19960
HARDIN, Charles M. Priority system for the inspection of x-ray facilities, 25:13459
HARDIN, Julia M. Response of histone fractions to x irradiation in cultured Chinese hamster cells, 24:14435
HARDIN, T. H. Administration of radioactive materials transport: Oak Ridge Operations, 23:553 (CONF-681001-, pp 72-90)
HARDIN, Virgil M. Liver and spleen scintigraphy in staging Hodgkin's disease, 25:42585
  Radioisotope renography improved by sequential renal scintiphotography, 25:32501
HARDING, G. E. S. High-current capacitor banks for a 2-MJ high beta toroidal experiment (HBTX), 25:30563 (EUR-4593, pp 219-25)
HARDING, G. N. Drift instabilities in afterglow plasmas, 24:35447
  Internal fields of m = +- 1 helicons in In, 21:13563 (CLM-R-66)
HARDING, G. R. D. Power generation in South Africa, 23:13431
HARDING, H. W. Fuel handling at Trawsfynydd nuclear power station, 24:52770
HARDING, J. E. Transmission through aluminum of beta-particles emitted by infinitely-thick sources, 22:7342
HARDING, J. T. Disappearance of thermal magnetic fluctuations in a superconductor, 21:31355
  Quantum interference magnetometry and thermal noise from a conducting environment, 22:52704
  Quantum phase fluctuations in circuits containing superconducting junctions, 24:26111
  Stable rf-biased superconducting point-contact quantum devices, 24:28187
HARDING, James L. Undersea mineral analysis with ^{252}Cf, 25:48468 (CONF-710402-(Vol.3), pp III.7-19)
HARDING, John T. Prog. rpt. on cryogenic gyroscope, final, 7/1/66, 21:27068 (N-67-11324)
  Superconducting gyroscope: drift data and mathematical model, 22:12695
HARDING, Keith Containers for transporting radioactive and/or fissile materials, 23:17740
  Improvements in containers for transporting radioactive materials, 21:32358
HARDING, N. E. Creep measurement during neutron irradiation, 22:4828
  In-reactor creep of structural materials for nuclear applications, 22:34037 (BNWL-SA-1458)
  Irradiation-induced creep in austenitic stainless steels, 24:32478
HARDING, R. A. Heavy water organic cooled reactor, Phase B, 23:21537 (AI-CE-Memo-59)
HARDING, R. C. Loss-cone modes in inhomogeneous mirror machines, 25:36166 (UCRL-73135)
  Parametric excitation of Alfven waves, 21:5297
HARDING, R. D. Chemical effects of (n,γ) reaction in chloropentaammine complexes of Co(III), Rh(III), and Ir(III), 24:33738
  Modification of Bernstein modes by electron—electron collisions, 24:19931
HARDING, R. S. Advanced critical experiment safeguards report, 21:32007 (CEND-105(Suppl.2))
  Analytical methods used in the preliminary analysis of the transient behavior of the HWOCR, 21:7910
  Analytical methods used in the preliminary analysis of the transient behavior of the HWOCR, 22:1791
  Factors affecting reactivity coefficients in the HWOCR, 21:7925
  NUSU critical experiments. I, 22:1855 (CEND-115)
  Systematic study of thermal-reactor benchmark experiments, 24:7229
HARDING, R. S. F. Electron spin resonance studies of γ irradiated single crystals of aromatic compounds. II, 21:43004
  Electron spin resonance studies of γ-irradiated single crystals of aromatic compounds, 23:258
HARDING, Rollin C. Response of a one-dimensional Vlasov plasma to external electric fields, 22:52781
  Response of one-dimensional Vlasov plasma to external electric fields, 22:39073 (N-68-21096)
  Solution of Vlasov's equation by transform methods, 24:49156
HARDING, Rollin Charles Response of a one-dimensional Vlasov plasma to external electric fields, 23:12861
HARDING, Walter L. Selection of materials for boilers and nuclear reactors, 21:20495
HARDINGHAM, R. P. Liner design and development for the Oldbury vessels, 23:11144
HARDISSON, A. Molecular collisions. V, 21:20749
HARDMAN, Karl D. Crystallographic studies of an IgG immunoglobulin and the Bence—Jones protein from one patient, 25:46363 (CONF-710619-1)
HARDMAN, Ralph Metal forming, 22:49696
HARDORP, J. Effect of rotation on radiation from stars. I, 22:21814
HARDORP, J. Johannes Microturbulence in 3 Centauri A, 23:18295
HARDORP, Johannes Angular momentum and short-term directional fluctuations of the solar wind from vela 3 data, 25:58581
  Atmospheres of tau Sco and lambda Lep, 24:15036
  Effect of anisotropy and depth dependence of microturbulence on stellar spectra, 22:8896
  Effect of rapid rotation on radiation from stars. II, 22:43775
  Effect of rapid rotation on radiation from stars. III, 25:45199
  Ionic comet tails and the direction of the solar wind, 24:25886
  Surface gravity and temperature of Vega, 23:18313
  Waviness of tail rays of comet Morehouse 1908 III, 23:3224
HARDOUIN, J. C. Radioisotopic methods for the determination of catecholamine, 24:38761
HARDT, H. Radiosensitivity of malignant tumors, 24:50760
HARDT, H. D. Classification of the lanthanides and actinides into the periodic system, 25:15563 (UCRL-Trans-10510)
HARDT, H.-J. Activity measurements using accessories for DL 50 dose output meter, 23:19931 (CONF-680507-, pp 212-24)
HARDT, Horst-Dietrich Lanthanides and actinides in periodic system, 24:20778
HARDT, W. Addendum to design study of 300 GeV proton synchrotron, 22:1523 (CERN-702)
  Design study of 300-GeV proton synchrotron, 22:22482 (CERN-563(Add.))
  Recent injector studies for European 300-GeV accelerator: use of a TART insertion, 22:32283 (CEAL-2000, pp 320-2)
  Slow cycling injection method for intensity improvement of the CERN-PS, 21:29722
  Some crucial problems in the design of the booster for the 300 GeV synchrotron, 23:28177
HARDTKE, F. C. Two methods for evaluating the susceptibility of irradiated glass to fracture by electrical discharge, 22:31888
HARDUIN, Jean-Claude Use of cellulose ester filtering membranes in determination of Pu in urine, 22:47072 (CEA-R-3492)
HARDWAY, Glen Closed circuit television in laser investigations, 21:18054
HARDWAY, Glenn A. Lasers in metalworking and electronic industries, 24:21194
HARDWELL, R. Gamma rays from slow neutron capture in nitrogen, 24:47567
HARDWICK, A. J. Colorimetric determination of molybdenum in soils and sediments by zinc dithiol, 22:42621
  Determination of molybdenum in milk with zinc dithiol, 22:33279
HARDWICK, B. Homologous bursts of spectral Type II, 24:3122
HARDWICK, E. R. Prog. rpt. on intra- and inter-molecular energy transfer studies, 5/70—5/71, 25:54600 (UCLA-34-P-88-32)
HARDWICK, J. N. PHERMEX: pulsed high-energy radiographic machine emitting x-rays, 21:31655 (LA-3241)
HARDWICK, R. Radiation damage study of crystalline anthracene, 22:4199
HARDWICK, T. J. Radiolysis of liquid hydrocarbons, 21:15963
HARDWICK, W. H. Centrifugal sedimentometer for particle size analysis, 23:22107
  Fingal process, 21:10578 (CONF-660208-, pp 427-46)
  Particle size by β backscattering, 22:224
  Recovery of byproducts, 22:40172 (KR-126, pp 267-78)
  Reprocessing analysis: general considerations, 22:39983 (KR-126, pp 143-52)
  Treatment and disposal of effluents, 22:40171 (KR-126, pp 245-66)
HARDWICK, William Horton Apparatus for particle size analysis utilizing beta backscattering, 25:46649
  Improvements in particle size analysis, 24:27461
HARDWICK, William R. Fracturing a deposit with nuclear explosives and recovering copper by the in-situ leaching method, 22:16732 (BM-RI-6996)
  Fracturing hard rock with nuclear explosives and extraction of ore by modified block-caving method, 24:29409 (BM-RI-7391)
HARDY, Alva C. Apollo 4 and 6 radiation analysis, 24:37368
  Evaluation of gamma probe shielding verification for the Gemini and Apollo vehicles, 21:37532
  Parametric technique of computing primary electron dose, 21:37525
HARDY, C. J. Analysis and significance of rare-earth oxides produced by a sol—gel method, 21:5844 (ORNL-TM-1682)
  Application of sol—gel processes to industrial oxides, 22:11031
  Ceramic oxides of controlled composition, shape, and properties from sols, 23:22638
  Chemical and electron optical studies of sols, gels, and oxide microspheres prepared from rare-earth hydroxides, 22:22991 (CONF-670502-, pp 175-86)
  Examination of sol-gel UO_2 surfaces, 23:30188
  Extraction of Zr from nitrate solution by di-n-butylphosphoric acid, 22:131 (AERE-R-2945)
  Gel process development in U. K, 24:30006 (CONF-700502-, pp 137-49)
  Infrared spectra of thoria gels, 23:30187
  Investigations on porous UO_2 spheres made by sol-gel process, 24:30023 (CONF-700502-, pp 510-20)
  Preparation and structure of sols and gels of metal oxides and hydroxides, 23:3155
  Preparation of lanthanide oxide microspheres by sol—gel methods, 21:36906 (ORNL-4000)
  Sol-gel and gel-precipitation processes in the U K, 23:30130
  Sol-gel preparation of lanthanide oxide microspheres and characterization of sols and gels of lanthanide hydroxides, thoria, urania, and plutonia, 21:49 (ORNL-TM-1592)
HARDY, Clarence James Separation of metals, 23:14311
HARDY, D. A. Destruction of lymphoid cells by activated human lymphocytes, 24:48668
  Effects of some cellular antigens on lymphocytes and the nature of the mixed lymphocyte reaction, 23:31674
  Exceptional lymphocyte stimulating capacity of cells from lymphoid cell lines, 23:48185
  Interaction between peripheral blood leucocytes and x-irradiated cells, 23:33811
HARDY, D. G. Effect of neutron irradiation on the mechanical properties of zirconium alloy fuel cladding in uniaxial and biaxial tests, 25:42913
HARDY, D. M. Deuteron elastic scattering and the (d,p) reaction with polarized ^{3}He target, 25:12370
  Polarization in ^{3}He + ^{4}He elastic scattering, 24:30690
  Polarization in ^{3}He—^{4}He elastic scattering at low energies, 25:53586
HARDY, Donald McCoy Light-nuclei interactions with a polarized ^{3}He target, 25:20262
HARDY, E. Accumulated fallout ^{90}Sr in the Rocky Flats area, 25:8353 (HASL-237, pp I.11-26)

  Analyses of quality control samples at HASL and other laboratories during 1967, 22:21020 (HASL-184, pp I.224-45)
  Analyses of quality control samples at HASL and a contractor laboratory during 1970, 25:15513 (HASL-239, pp I.23-57)
  Comparative utilization of dietary ^{226}Ra, 24:23077 (CONF-690501-, pp 183-90)
  Quality control samples at HASL, 24:43964 (HASL-217, pp I.130-48)
HARDY, E. L. Determination of lead in ore pulps by a technique using two γ-ray absorption gages, 21:32097
HARDY, E. P. Plutonium in soil around the Rocky Flats Plant, 24:46355 (HASL-235)
  Strontium-90 on the Earth's surface, 22:42885
HARDY, E. P. Jr. Transfer of fallout to cows' milk, 22:45511
HARDY, Edward Strontium-90 on Earth's surface. IV, 22:27917 (TID-24341)
HARDY, Edward P. Jr. Effect of Ca intake on ^{90}Sr metabolism in man, 21:39351
  Fallout program summary report, 6/1/69—9/1/69, 23:48042 (HASL-214)
  Prog. rpt. on fallout program, 1/70, 24:44121 (HASL-217)
  Prog. rpt. on fallout program, 12/1/70—3/1/71, 25:32395 (HASL-242)
  Prog. rpt. on fallout program, 12/66—3/67, 21:22039 (HASL-181(App.))
  Prog. rpt. on fallout program, 12/66—3/67, 21:24404 (HASL-181)
  Prog. rpt. on fallout program, 12/67—3/68, 22:25524 (HASL-193)
  Prog. rpt. on fallout program, 12/68—3/69, 23:24611 (HASL-207)
  Prog. rpt. on fallout program, 3—6/67, 21:41019 (HASL-182)
  Prog. rpt. on fallout program, 3—6/68, 22:40661 (HASL-197)
  Prog. rpt. on fallout program, 3—6/70, 24:36408 (HASL-227)
  Prog. rpt. on fallout program, 3—6/71, 25:46818 (HASL-243)
  Prog. rpt. on fallout program, 4/70, 24:25481 (HASL-224)
  Prog. rpt. on Fallout Program, 6/71—9/71, 25:57980 (HASL-245)
  Prog. rpt. on fallout program, 6—9/66, 21:1740 (HASL-173 and App.)
  Prog. rpt. on fallout program, 6—9/67, 21:43057 (HASL-183)
  Prog. rpt. on fallout program, 6—9/68, 23:4927 (HASL-200)
  Prog. rpt. on fallout program, 6—9/70, 25:8367 (HASL-237)
  Prog. rpt. on fallout program, 7/69, 23:35706 (HASL-210(App.))
  Prog. rpt. on fallout program, 7/69, 23:35705 (HASL-210)
  Prog. rpt. on fallout program, 9—12/66, 21:10862 (HASL-174(App.))
  Prog. rpt. on fallout program, 9—12/66, 21:10861 (HASL-174)
  Prog. rpt. on fallout program, 9—12/68, 23:50459 (HASL-204)
  Prog. rpt. on fallout program, 9—12/70, 25:15781 (HASL-239)
  Prog. rpt. on fallout, 9—12/67, 22:21199 (HASL-184)
  Some aspects of the effects of age and of calcium intake on ^{90}Sr metabolism in man, 23:6363
HARDY, G. Radiation-induced solid-state polymerizations. XXIII, 22:51018
HARDY, Gy Radiation-induced solid-state polymerization. XVII, 23:19749
HARDY, Gy. Gamma-radiation-initiated polymerization of N-vinylsuccinimide, 22:14538
  Investigations in field of radiation-induced solid state polymerization. XXII, 22:35840
  Investigations in the field of radiation-induced solid state polymerization. XXIII, 22:37811
  Investigations of radiation-induced solid state polymerization. XX, 21:32201
  Investigations of radiation-induced solid-state polymerization. XXVI, 25:18431
  Investigations of radiation-induced-solid state polymerization. XXVII, 25:18432
  Radiation induced polymerization and copolymerization of some norbornene derivatives, 21:24009
  Radiation polymerization in supercooled liquid and mesomorphous phase, 22:14540
  Radiation-induced solid state polymerization. XXV, 24:16561
  Radiation-induced solid-state polymerization. XVIII, 21:25879
  Radiation-induced solid-state polymerization. XXI, 22:51036
  Radioinduced solid-state polymerization. XXIV, 23:40725
  Solid state polymerization in binary systems, 23:15913
  Solid state polymerization in two-component systems, 21:24032
HARDY, Gyula Investigations in field of radiation-induced solid state polymerization. XIX, 21:17665
  Investigations in the field of radiation-induced solid state polymerization. XXVII, 24:41341
  Investigations in the field of radiation-induced solid state polymerization. XXVI, 24:41344
  Investigations of radiation-induced solid state polymerization. XVI, 21:5957
  Investigations of radiation-induced solid-state polymerization. XVIII, 21:12450
  Investigations of radiation-induced solid-state polymerization. XVII, 21:12451
  Investigations of radiation-induced solid-state polymerization. XX, 21:21990
  Radiation-induced solid state polymerization. XV, 21:15954
  Radiation-induced solid state polymerization. XXIV, 23:19754
  Radiation-induced solid state polymerization. XXV, 23:19776
  Radiation-induced solid-state polymerization. XIX, 21:28014
  Radiation-induced solid-state polymerization. XXI, 22:109
  Radiation-induced solid-state polymerization. XII, 22:14539
HARDY, H. L. United States beryllium case registry (1952—1966), 22:49256
HARDY, Harold Kenyon Improvements in or relating to fuel elements for nuclear reactors, 21:44965
HARDY, Harriet L. Beryllium disease: a 16-year follow-up case study, 23:24687
  Chronic Be disease, 23:47943
HARDY, J. Behavior of elemental boron particles in copper during neutron irradiation, 22:28854
  Electrolytic deposits for welding by diffusion, 23:24912
  Production of high purity Be by electrorefining in fused salt baths, 22:6949
HARDY, J. A. Suppression of interference pulses in radiation experiments, 21:41215
HARDY, J. C. Argon-34 and T = 1 states in ^{34}Cl from two-nucleon pick-up reactions, 24:6857
  Carbon-10 and mass measurements for light nuclei, 22:53124
  Determination of the signs of shell-model matrix elements from two-nucleon-stripping data, 22:7783
  Direct two-nucleon transfer reactions, 24:30954
  Effects of spin-dependent interaction potential in DWBA analysis of two-nucleon transfer reactions, 21:38408
  Energy levels of ^{38}Ca from the reaction ^{40}Ca(p,t)^{38}Ca, 21:4253
  Extended nomogram for log ft values, 21:4360
  Fractional parentage coefficients in isospin formalism for j = 3/2 and 5/2 shells, 23:44990
  Isobaric analog states and Coulomb displacement energies in (1d/sub 5/2/) shell, 23:52133
  Isospin purity and decay of T = 3/2 analogue state in ^{17}F, 23:25814 (UCRL-18774)
  Isospin purity and delayed-proton decay: ^{17}Ne and ^{33}Ar, 25:28195
  Isospin-forbidden decay properties of the lowest T = 2 states of ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, and ^{40}Ca, 24:24524
  Location and isospin-forbidden alpha decay of lowest T = 2 state in ^{28}Si, 22:50574
  New nuclides ^{19}Na and ^{23}Al observed via the (p,^{6}He) reaction, 23:21311
  Nuclear parentage simply obtained from two-nucleon transfer reactions, 24:43576
  Parentage of states using two-nucleon transfer reactions, 23:40148
  Reaction (^{3}He,^{6}He) on ^{6}Li and ^{7}Li, 24:52420
  Reaction ^{31}P(t,p)^{33}P and usefulness of double-stripping in distinguishing among shell-model calculations, 23:25886
  Reactions ^{11}B(p,^{3}He)^{9}Be and ^{11}B(p,t)^{9}B, 25:31228
  Spin dependence in the reactions ^{16}O(p,t)^{14}O and ^{16}O(p,^{3}He)^{14}N, 25:20299
  Structure of ^{16}O and ^{17}O(p,d)^{16}O reaction, 24:22095
  T = 2 and T = 3 analog states, 28 less than or equal to A less than or equal to 40, 24:24542
  T = 3/2 analogue levels in mass 25 and 29, 21:25470
  Two-nucleon transfer reactions induced by polarized protons, 25:53658
  Two-nucleon-transfer reactions induced by polarized protons, 24:52464
  Yttrium-91 and failure of closed shell at ^{88}Sr, 23:5873
HARDY, J. D. Conference on thermal problems in aerospace medicine, Lisbon, 9/64 and Fuerstenfeldbruck, Ger., 9/65, 24:19369
HARDY, J. Jr. Comparison of thermal neutron activation measurements and Monte Carlo calculations in light-water-moderated uranium cells, 24:24886 (WAPD-TM-932)
  Effective resonance integral and Doppler coefficient of thorium oxide rods, 21:15469 (WAPD-TM-627)
  Effective resonance integral and Doppler coefficient of Th-oxide rods, 21:35490
  Influence of molecular binding effects in water on measured resonance integrals, 21:11945
  Integral test of ^{232}Th cross-section sets, 25:41237
  Measurement of fast advantage factors and intra-cell flux shapes in several light-water-moderated, slightly enriched U lattices, 21:23729 (WAPD-T-1852)
  Monte Carlo analysis of physics parameters in U—H_2O lattices, 23:37763
  Physics parameters in H_2O-moderated lattices of slightly enriched and natural U, 24:22501
  Physics parameters in several water-moderated lattices of slightly enriched and natural uranium, 24:38607 (WAPD-TM-931)
  Spatial variation of the fast neutron flux in cells of slightly ^{235}U-enriched-U water-moderated lattices, 21:14097
  Thermal-neutron-activation measurements and Monte Carlo calculations in light-water-moderated U cells, 24:22500
HARDY, John W. Approximate inverses for a class of functionals, 23:33134 (UCRL-50619)
  Numerical experiments concerned with automatic integrators, 24:26892 (UCRL-50796)
  Resonant effects in the tides in a numerical model of the atmosphere, 23:52515 (UCRL-50674)
  Tides in a numerical model of the atmosphere, 22:31694 (UCRL-50368)
HARDY, K. A. Better approximation to Debye—Waller factor, 25:7495
  Computer code for evaluation of complex Moessbauer spectra, 24:35588
  Development of Compton polarimeter with solid state detectors, 25:21484
  Dosimetry and primate irradiations with 2.3-GeV protons, 22:8525 (CONF-670305-, pp 318-28)
  Half-life of the 113.8-keV level of ^{175}Lu, 25:15040
  In-beam Moessbauer spectroscopy, 25:5467
  Isomer shift in the 82 keV transition of ^{154}Sm, 24:22190
  Moessbauer effect following Coulomb excitation of ^{183}W, 22:44254
  Moessbauer effect in ^{167}Er following Coulomb excitation, 24:3946
  Moessbauer effect in 121.2-keV transition in ^{147}Sm, 25:28420
  Moessbauer effect of 129-keV state in ^{195}Pt, 23:49012
  Polarization measurements of the gamma-ray transitions from the 1.459-MeV level in ^{19}F, 25:50654
HARDY, Kenneth A. Depth-dose distributions in cylindrical phantoms, 23:20238
  Effects of laboratory reprocessing on silver phosphate glass microdosimeters, 23:29229 (AD-681497)
  Gamma radiation LD/sub 50(30)/ for the rabbit, 21:24601
  Prog. rpt. on radiation-induced hematologic effects on primates, final, 11/67—3/69, 25:24147 (AD-711038)
HARDY, Kenneth Albert Moessbauer effect of ^{183}W, ^{178}Hf, and ^{180}Hf, 24:24573
HARDY, Lyndon M. Decay properties of the A_2(1310) meson, 21:9712
  Low-mass K anti K systems produced in π^-p interactions below 5 BeV/c, 21:2379
  Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. II, 22:5510
  Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. I, 22:5509
HARDY, Lyndon Mauriece Analysis of strange particle resonant states from π^-p interactions, 21:42273
HARDY, Mark A. Effect of irradiation on canine bowel, 24:12196
  Influence of thymosin on cell-mediated and humoral immune responses, 24:23127
HARDY, Norman E. Beryllium for future technology, 23:22511
HARDY, P. S. Spectrophotometric determination of Zr in Bi—Pb alloys, 21:10246 (AECL-2829)
HARDY, S. Gamma-induced defect bleaching in alpha Al_2O_3, 21:3919
HARDY, W. N. Effects of radiation damage on proton relaxation time in lanthanum magnesium double nitrate, 21:42513
HARDY, W. R. Inexpensive current integrator, 24:11886
  Proton radiation damage and recovery in Ta films, 25:56314
  Stirling cycle cryogenic cooler used with accelerator for radiation effects in thin films, 25:59160
HARDY, Walter N. Crystal-field splitting of orthohydrogen in solid parahydrogen, 22:7160
  Nuclear spin relaxation in gaseous methane and its deuterated modifications, 22:6308
HARDY-GRENA, C. Surface treatment of zirconium alloys, 21:32822 (EUR-3476.f)
  Surface treatment of Zr alloys using fused $NaNO_3$, 22:19486
  Surface treatment of Zr alloys; behavior of Zircaloy in chlorine-containing terphenyl, 23:24791 (EUR-3476(Add.1))
  Thermodynamic study on UCl_3 dissolved in molten alkaline chlorides, 21:10305 (EUR-3153.f)
  Thermodynamics of UCl_3 dissolved in molten alkali chlorides, 22:16521
HARE, C. R. Metal—metal bonding in $La_4Re_6O_{19}$, and rutile-related dioxides, 22:47710
HARE, G. E. MAPLE IB: ^{60}Co-fueled thermoelectric generator, 25:4226
  Thermoelectric materials development for the RIPPLE program, 21:26100
  Thermoelectricity: a status survey, 22:15387 (AERE-M-1768)
HARE, M. B. Binding energies of light nuclei, 25:23097
HARE, M. G. Binding energy of the deuteron, 25:59526
  Binding energy of the singlet deuteron, 25:59518
  Form factors for graviton—particle interactions, 25:45810
HARE, W. S. C. The occult thymoma, 24:32099
HARE, Weston Andrew Process for making porous, light-weight zirconia bodies, 23:16518
HAREL, M. On-site leaching or uranium ores prepared in underground workings, 25:23671
HARELAND, W. A. Determination of metallic impurities at PPB-PPM level in sodium, 24:26920 (ANL-7668)
HARELAND, Willard A. Remote analyses by atomic absorption spectrophotometry, 24:36153
HAREM, S. B. Electron paramagnetic resonance study of Al^{2+} in BeO, 25:38546
HARENDZA-HARINXMA, Alfred J. Anodic Ta oxide dielectrics prepared from bcc Ta and beta-Ta, 21:28819
HARER, Ronald Van R. Nonradial oscillations of white dwarfs, hot white dwarfs, and 10 M/sub sun mass/ models, 25:6993
HAREUX, F. Analysis of radioactive standards by beta spectrometry with semiconductor detectors, 22:14825
HAREUX, Fernand Contribution to β-emitter spectrometry using junction detectors, 22:16894 (CEA-R-3315)
HARGITTAI, I. Electron diffraction study on the vapors of tungsten trioxide, 25:38019
HARGITTAI, Magdolna Electron diffraction study on the vapors of tungsten trioxide, 25:38019
HARGOE, B. T. A. Nuclear reactor, 23:9124
HARGOE, Bernt Torsten Allan Fuel element for nuclear reactors, 21:19435
HARGRAVE, D. P. Molybdenum and tungsten, 21:43570
HARGRAVES, R. Angular distributions of pion charge-exchange reactions in the momentum region of 1.4 to 4.0 GeV/c, 22:48239
  Study of the total neutral cross section in π^-p interaction in momentum region 1.4-4.0 GeV/c, 22:48238
HARGRAVES, R. B. Effect of shock on natural remanent magnetism, 23:29032
HARGRAVES, Robert Frederick Jr. Energy estimation of photon cascade showers applied to $\pi^- + p \rightarrow n + \gamma$'s at 1.5 GeV/c, 22:34851

HARGREAVES, D. M. Accelerators, physics, and health, 23:52066
HARGREAVES, J. K. Antarctic ionosphere, 24:19817
Auroral absorption of HF radio waves, 23:44343
Auroral motions observed with riometers: movements between stations widely separated in longitude, 21:41930
Auroral motions observed with riometers: latitudinal movements and a median global pattern, 22:47910
Conjugate and closely spaced observations of auroral radio absorption. I, 23:48815
Conjugate and closely spaced observations of auroral radio absorption. II, 23:48816
Conjugate and closely spaced observations of auroral radio absorption. V, 25:35957
Conjugate and closely-spaced observations of auroral radio absorption. IV, 25:14118
Correlation of auroral radio absorption between conjugate points, 22:38916
Energetic-particle precipitation over Antarctica, 23:18522
Horizontal gradients in auroral radio absorption, 24:17844
Measurements of auroral absorption structure over distances of about 300 km, 22:24161
Relations between electrons at 17 earth radii in magnetotail and absorption events in D region, 22:34429
Response of ionospheric and exospheric electron contents to a partial solar eclipse, 22:41485
Studies of auroral radio absorption events at three magnetic latitudes. II, 22:17507
Studies of auroral radio absorption events at three magnetic latitudes. I, 22:17506
HARGREAVES, L. Welding of boiler elements for nuclear power stations. I, 21:12165
Welding of boiler elements for nuclear power stations. II, 21:12166
HARGROVE, C. K. Experimental test of the theory of muonic atoms, 25:53322
Muonic x rays and capture gamma rays in ^{89}Y, 25:20360
Muonic x rays in ^{208}Pb and possible observation of nuclear polarization, 23:15467
Neutron emission from nuclear excitation by radiationless transitions in μ-atomic ^{209}Bi, 23:42930
Non-radiative muon transitions in heavy elements, 24:51410
Precise calibration of Ge(Li)-spectrometer, 25:23845
Precise measurement of muonic x rays in the Pb isotopes, 24:15923
Precise measurements of muonic isotope shifts for 29 nuclides, in particular, for the Ca isotopes 40, 42, 44, and 48, 21:29995
HARGROVE, G. L. Determination of nitrogen and hydrogen at parts-per-million levels in milligram steel samples, 25:34514
HARGROVE, R. S. Laser method for absolute velocity calibration of Moessbauer spectrometers, 24:4478
HARGROVE, Robert J. Secondary deuterium isotope effects in vinyl cations, 25:10548
HARI DASS, N. D. Axial-current divergences and the reactions $\gamma + \gamma \rightarrow$ pions, 25:19951
HARIG, H. Thermal neutron spectra from cold sources of liquid H and deuterium, 23:9199 (NP-tr-1712)
HARIG, H. D. Cold neutron source of French—German high flux reactor in Grenoble, 25:37087
Cold neutron sources for high-flux reactor at Grenoble, 25:26045
HARIG, Hans-Dieter Study of liquid hydrogen and liquid deuterium cold neutron sources, 23:31196 (CEA-R-3505)
HARIGEL, G. Experimental results with the 1 m model chamber. B, 25:34983 (CONF-700623-(Vol.2), pp 813-23)
Formation of bubbles in liquid H, 22:12628 (CERN-67-26(Vol.2), pp 389-404)
Formation of particle tracks by ultrasound in a hydrogen bubble chamber, 24:33939
Influence of parasitic boiling and expansion speed on the dynamic pressure in a bubble chamber, 25:34957 (CONF-700623-(Vol.1), pp 424-48)
Measurement of growth rate for sub-visible bubbles in a bubble chamber, 24:5927
Measurement of the limit of sensitivity of hydrogen in a bubble chamber and calibration of pressure gauges, 22:40460 (DESY-68/30)
Measurement of the limit of sensitivity of hydrogen in a bubble chamber and calibration of pressure gauges, 23:2726
Measurements of bubble densities in liquid hydrogen and liquid deuterium, 23:4835 (DESY-68/45)
Measurements on formation, growth, and recompression of bubbles in liquid H, 21:36336 (DESY-67/14)
Operation of a track sensitive deuterium target inside a neon—hydrogen bubble chamber, 23:20002
Thermodynamics of bubble chamber expansions, 23:4834 (DESY-68/43)
Track sensitive hydrogen target inside neon—hydrogen bubble chamber, 22:368
Ultrasonic bubble chamber development at CERN, 25:34953 (CONF-700623-(Vol.1), pp 376-89)
HARIHAR, P. Double gamma emission from ^{40}Ca and ^{90}Zr, 25:12495
HARIHARAN, A. V. Chlorination volatility separation of thorium and uranium, 23:375
Direct chlorination volatility processing of nuclear fuels, 23:38054
Direct chlorination volatility processing of nuclear fuels. II, 24:9419 (BARC-404)
Direct chlorination volatility processing of nuclear fuels. III, 24:9420 (BARC-405)
Laboratory investigations in non-aqueous process chemistry, 24:50448 (CONF-690916-(Vol.2), pp 283-9)
Laboratory investigations on direct chlorination volatility processing of nuclear fuels. I, 24:9418 (BARC-397)
Laboratory investigations on direct chlorination volatility processing of nuclear fuels. IV, 24:11645 (BARC-406)
Liquid metal-fused salt process for the preparation of reactive metals, 23:975
Recirculating argon atmosphere dry box for handling pyrophoric and hygroscopic materials, 24:14116 (BARC-396)
Vaporization thermodynamics of Eu(II) chloride and Eu(III) oxidechloride, 25:51471 (CONF-711001-(Vol.2), pp 584-96)
HARIHARAN, N. Color center studies in alkali sulfate crystals. I, 25:1263
Color center studies in alkali sulfate crystals. II, 25:1272
Electron spin resonance in x-irradiated sodium sulphate, 22:115
Electron spin resonance in x-irradiated potassium sulphate, 22:47162
Electron spin resonance in x-irradiated sodium sulphate, 24:8530
Electron spin resonance in x-irradiated Na sulphate. II, 24:35538
ESR spectra of irradiated Na_2SO_4 and $Li_2SO_4H_2O$, 23:42449
ESR studies of paramagnetic centres in irradiated $Li_2SO_4.H_2O$, 23:23246
Paramagnetic centers in uv and x-irradiated K_2SO_4, 24:6619
HARIHARAN, P. C. Variational function for H_2^+ (first excited state), 22:24059
HARIHARAN, P. V. Dimer photoproducts in CpC, 22:51436
X-radioinduced thymine damage in Micrococcus radiodurans, 25:26643
HARIHARASUBRAMANIAN, V. Improvement in a procedure for counting tritium and ^{14}C in polyacrylamide gels, 24:33645
HARIMA, Yoshiko Analysis of transmitted gamma rays by multiple scattering method. I, 24:45303
Analysis of transmitted gamma rays by the multiple scattering method. II, 24:49243
Approximate transmission dose buildup factor for stratified slabs, 24:10599
HARING, A. Apparatus for determination of thermal diffusion factor, 25:21251
HARING, G. Theory of beam tubes in cylindrical geometry, 25:26069
HARIS, Robert Joseph Jr. Measurements of 2p—1s line widths in low-Z pionic atoms, 22:45928
HARISH-CHANDRA Characters of semi-simple Lie groups, 22:15820
Elongation of irregularities in F region over magnetic equator in India, 22:47897
HARJU, Leo Compleximetric titrations with TTHA, 24:11432
Stability constants of some metal chelates of TTHA, 24:31312
HARKER, H. Effect of neutron-bombardment on the reactivity of graphite to oxygen, 23:8347
Electron spin resonance in neutron-bombarded graphite, 21:43680
Partially annealed interstitial material in neutron bombarded graphite, 22:47716
Reactivity of graphite to O, 25:6906
HARKER, K. J. Longitudinal oscillations in bounded one-dimensional nonuniform plasmas, 22:17685
Longitudinal oscillations in bounded one-dimensional nonuniform plasmas, 24:26245 (AD-697979)
Nonlinear interaction between circularly polarized waves and electron plasma waves, 25:25175
Nonlinear interaction between extraordinary waves in a cold plasma, 23:18691 (SU-IPR-264)
Nonlinear interaction between extraordinary waves in a cold plasma, 23:39509
Nonlinear interaction between whistlers, 23:48827
Nonlinear interaction of cyclotron harmonic waves, 22:46142 (SU-IPR-244)
Nonlinear interaction of cyclotron harmonic waves, 23:7007
Nonlinear transverse wave interactions in cold magnetoplasma. I, 23:39505 (SU-IPR-303)
Nonlinear transverse wave interactions in cold magnetoplasma. II, 23:39506 (SU-IPR-304)
Parametric amplification of cyclotron harmonic waves in plasma, 23:10631 (SU-IPR-253)
Parametric wave amplification and mixing in the ionosphere, 24:51539
HARKER, R. I. Hydrothermal growth of beryllium oxide single crystals, 22:19616
Subsolidus stability relations in system $KTaO_3$—$KNbO_3$, 23:27198
HARKER, Robert A. Transattack environment scenarios, 24:44526 (AD-704727)
HARKER, Y. Time-dependent spectra in polyethylene, 21:7670
HARKER, Y. D. Fast-neutron capture integral measurements of ^{99}Tc, ^{109}Ag, and other fission products, 25:36720 (CONF-710301-4)
Measurements of fast-neutron capture integrals in CFRMF, 25:5656
Photomultiplier cooling for photon counting experiments, 24:14372
HARKINS, Jerome J. Quantum-chemical treatment of reaction of hot carbon atoms with O_2, 23:13746
HARKINS, Ralph D. Guidelines: biological surveys at proposed heat discharge sites, 25:44269 (NP-18843)
HARKNESS, D. D. ^{14}C concentrations in the atmosphere and carbon dioxide exchange rates, 24:31502
Carbon-14 in biosphere and humans, 24:702
HARKNESS, L. Qualitative and quantitative isotopic analysis of ethyl groups containing both hydrogen and deuterium (CH/sub x/D/sub 3-x/CH/sub y/D/sub 2-y/—) by combined NMR and mass spectroscopy, 22:22974
HARKNESS, Richard L. Jr. Plasma wave propagation in the neighborhood of a magnetic neutral point, 24:19650
HARKNESS, Richard Long Jr. Deuteron vertex function in dispersion theory, 21:46555
HARKNESS, S. D. An analysis of fast neutron effects on void formation and creep in metals, 24:44744
Analysis of fast-neutron effects on void formation and creep in metals, 24:6241
Considerations of metal swelling and related phenomena caused by fast neutron irradiation, 25:42918
Effects of high fast fluences on the microstructure and mechanical properties of Type-304 stainless steel, 23:3096
Fast-neutron effects on type-304 stainless steel, 23:39013
Helium production in EBR-II irradiated stainless steel, 24:46759
Irradiated Type 304 SS and V—20 wt. percent Ti by transmission electron microscopy, 23:24944 (BNWL-870, pp 3.4-10)
Model of void formation, 23:24945 (BNWL-870, pp 3.10-13)
Study of void formation in fast neutron-irradiated metals, 25:35516
Void formation in fast-neutron irradiated Type-304 stainless steel, 23:36162
Void formation in metals irradiated in a fast-neutron environment, 24:14849
Voids in EBR-II cladding and control rod shroud, 23:22584 (BNWL-790, pp 3.9-10)
HARKNESS, Samuel D. Void formation in metals irradiated in fast-neutron environment, 24:12433 (ANL-7588)
HARKREADER, W. F. Low temperature transformations in plutonium, 25:11443
HARKRIDER, David G. Effect of crustal structure on Rayleigh waves generated by atmospheric explosions, 24:44154
HARLAN, E. Brightness and polarization of 3C 345, 22:29027
HARLAN, E. A. Activity in the Crab Nebula following the pulsar spin-up of 9/69, 24:19629
Erratum: MK classifications for F- and G-type stars. II, 24:30077
MK classification fo F- and G-type stars. I, 23:51209
MK classifications for F- and G-type stars. II, 24:19556
HARLAN, Jerry W. Effect of irradiation temperature and processing conditions on organoleptic properties of beef and chemical yields in model systems, 22:8674
HARLAN, R. A. Energy levels of ^{167}Er, ^{169}Er, and ^{171}Er from (d,p) reactions, 22:27111
Excited K/sup π/ = 0^+ bands in ^{172}Yb, 24:43360
Excited states in ^{178}Hf from resonance neutron-capture gamma-ray studies, 23:13288
K/sup π/ = 0^+ band in ^{184}W, 23:7304
Levels in ^{168}Er, 21:40451
Neutron capture gamma measurements with reactor-produced 2-keV neutron beam, 24:47614
Neutron interrogation of low-specific-activity wastes with a reactor, 25:48802 (CONF-710617-40)
Prompt gamma-ray spectra from 2-keV neutron capture in Mn and Ta, 24:6860
HARLAN, R. W. Technical Directors report on Project Pre-Gondola I, 22:35965 (PNE-1102)
HARLAN, Ronald W. Crater studies: Crater measurements, Project Pre-Gondola I, 22:8240 (PNE-1107(Pt.1))
HARLAND, G. Magnetic conjugacy in the F2-region of the ionosphere, 24:51523
HARLAND, H. B. Critical carrier concentration for superconductivity in mixed metal—semiconductor systems, 25:11844
Model of Nb- and Ta- dichalcogenide superconductors, 23:42146
Superconductivity in $CuRh_2Se_4$-based system, 24:3257
HARLAND, W. A. Method for estimating thyroxine secretion rate, 25:15987
HARLE, J. R. Glass manifold vacuum system for controlling atmosphere and water content of seeds for irradiation experiments, 24:2345
HARLE, Thomas S. Personnel monitoring of radiologists during fluoroscopy, 23:50518
Personnel radiation monitoring, 23:45738
Recommendations for personnel monitoring in diagnostic radiology, 24:17045
HARLEY, J. H. Radium-226 in infant diet and bone, 21:12747 (CONF-651008-, pp 126-33)
HARLEY, John Phosphor-teflon thermoluminescent dosimeters to measurement of dose-rate from radioactive jewellery, 23:9765
Skin reactions from gold jewelry contaminated with radon deposit, 21:36739
HARLEY, John H. Elimination of radon from the body, 21:36573 (HASL-32)
Manual of standard procedures, second issuance 1967, 21:30351 (NYO-4700(2nd Ed.))
Manual of standard procedures, third issuance, 1970, 25:2059 (NYO-4700(3rd Ed.))
Natural radioactivity and radiation, 25:32070 (HASL-242, pp I.2-23)
Radionuclides in food, 24:9799 (CONF-690303-, pp 189-200)
HARLEY, N. H. Detection limits for radionuclides in the analysis of multi-component gamma ray spectrometer data, 25:18746
Radium-226 in infant diet and bone, 21:12747 (CONF-651008-, pp 126-33)
Rapid estimation of radon daughter working levels when daughter equilibrium is unknown, 23:31300
HARLEY, Naomi Regression analysis of gamma spectrometer data, 24:87
HARLEY, P. H. Failures of threaded fittings and fasteners at nuclear facilities, 25:57618 (ORNL-TM-3570)
HARLING, O. K. Doubly differential cross sections and scattering law for H_2O and D_2O at 299°K and for H_2O at 268°K, 21:33849 (BNWL-436)

- Dynamics of liquid H_2O and D_2O and solid H_2O from inelastic scattering of epithermal neutrons, 22:26199 (BNWL-SA-1535)
- High-energy neutron scattering measurements on liquid He and Bose condensation in He II, 25:17068
- Kinetic energies of atomic motions in liquid ^{4}He, 25:25018
- Rotating crystal time-of-flight spectrometer, 22:19133 (BNWL-SA-1536)
- Slow neutron inelastic scattering study of light water and ice, 23:34713
- Slow-neutron inelastic scattering and the dynamics of heavy water, 22:39557
- Structure in the neutron scattering spectra of zirconium hydride, 25:56343
- HARLOW, Charles A. Computer algorithms for the detection of brain scintigram abnormalities, 25:24230
- HARLOW, Francis H. Bibliography on numerical methods for fluid dynamics, 24:9184 (LA-4281)
  - Fluid dynamics, 24:31170 (LA-4100)
  - Fluid dynamics, 25:51302 (LA-4700)
  - General corrective procedure for the numerical solution of initial-value problems, 22:17834
  - Generalized transport theory of anisotropic turbulence, 23:31253 (LA-4086)
  - SMAC method: technique for calculating incompressible fluid flows, 24:31174 (LA-4370)
  - Transport of anisotropic or low-intensity turbulence, 22:40306 (LA-3947)
  - Transport of turbulence energy decay rate, 22:16754 (LA-3854)
  - Turbulence distortion in a nonuniform tunnel, 24:4184 (LA-4247)
- HARLOW, Gerald A. Titrations in nonaqueous solvents, 22:25304
- HARLOW, M. V. Capture cross section measurements for Lu, ^{151}Eu, and ^{153}Eu and total cross section of Eu, 22:22585 (LA-DC-9182)
- HARLOW, M. V. Jr. RAYMATH: FORTRAN IV code to compile simple instructions for array mathematics and manipulation, 23:32952 (LA-4049)
- HARLOWE, W. W. Jr. Irradiation-grafted polymeric films. I. Preparation and properties of acrylic acid-grafted polyethylene films, 25:23604
- HARM, Helga Analysis of photoenzymatic repair of uv lesions in DNA by single light flashes. VII, 25:8650
  - Analysis of photoenzymatic repair of uv lesions in DNA by single light flashes. VI, 25:8651
  - Dependence of the uv survival of transforming DNA, 24:44419
  - Photoenzymatic repair of uv lesions in DNA. II, 23:20130
  - Photoenzymatic repair of uv lesions in DNA. I, 23:20131
  - Photoenzymatic repair of uv lesions in DNA. III, 23:38476
- HARM, R. Blue end of the horizontal branch in globular clusters, 22:13168
  - Hydrogen mixing by helium-shell flashes, 22:11151
- HARM, W. Decreased survival from liquid-holding of uv-irradiated E. coli C and Schizosaccharomyces pombe, 22:49457
- HARM, Walter Analysis of photoenzymatic repair of uv lesions in DNA by single light flashes. V, 25:8652
  - Analysis of photoenzymatic repair of uv lesions in DNA by single light flashes. VIII, 25:8649
  - Dark repair of photorepairable uv lesions in E. coli, 22:51526
  - Effects of acriflavine and caffeine on uv-irradiated E. coli TI phage, 21:20123
  - Effects of dose fractionation on ultraviolet survival of E. coli, 22:36416
  - Gene-controlled reactivation of ultraviolet-inactivated bacteriophage, 21:24691
  - Photoenzymatic repair of uv lesions in DNA. II, 23:20130
  - Photoenzymatic repair of uv lesions in DNA. IV, 24:2638
  - Recovery of uv-inactivated E. coli cells by v-gene action of phage T4, 22:51541
  - Relationship between uv reactivation and host-cell reactivation in phage, 21:22826
  - Repair of uv-irradiated E. coli, 22:12947
- HARMAN, B. Safety document for Dragon fuel element development laboratory complex, 24:48206 (DP-Report-370)
- HARMAN, D. G. Cladding materials for SNAP-8, 23:8246 (ORNL-4370, pp 198-9)
  - Effect of powder and process variables on the properties of sintered aluminum products, 22:34017 (ORNL-TM-2215)
  - Effects of thermal aging and neutron irradiation on Incoloy 800, 25:35510
  - Fracture initiation in XAP-001 dispersion strengthened Al alloy, 24:21375
  - Fracture of Al—Al_2O_3 alloys, 21:32862 (ORNL-TM-1826)
  - Improved resistance to radiation damage in Incoloy 800, 23:3093
  - Incoloy 800: enhanced resistance to radiation damage, 24:46760
  - Mechanical properties of Al—Al_2O_3 alloys, 21:31002 (ORNL-TM-1802)
  - Postirradiation tensile and creep-rupture properties of several experimental heats of Incoloy 800 at 700 and 760°C, 23:10238 (ORNL-TM-2305)
  - Thermal fatigue analysis of a cryogenically cooled rocket nozzle; 21:4939 (ORNL-P-2703)
  - Thermal fatigue of rocket nozzle cooling tubes, 23:16485 (ORNL-TM-2089)
- HARMAN, Denham Radical theory of aging, 21:28384
  - Role of free radical reactions in aging, 24:9940
- HARMAN, J. B. Survival of polycythemia vera patients treated with radioactive phosphorus, 22:6886
- HARMAN, R. W. Prog. rpt. on radiotracer propellant gauge, final, 4/65—8/66, 21:24172 (TID-23666)
- HARMAN, Randall W. Method and apparatus for detecting gas leaks using radioactive techniques, 25:55063
- HARMAN, T. C. Junction (n—p) photovoltaic detectors in PbTe produced by proton bombardment, 25:29397
- HARMANCI, A. Linear logarithmic pulse converter, 23:14076 (CEA-CONF-1148)
- HARMANCI, A. E. General expression for the identification of charged particles, 24:50560
- HARMANCI, Ali Emre Versatile analog device for identifying charged particles by their energies and ionizing powers, 25:57722 (CEA-R-4183)
- HARMANEC, P. Evolution of close binaries. I, 22:17270
  - Evolution of close binaries. VI, 25:27334
  - Evolution of close binaries. VII, 25:30111
  - Outburst of Nova Delphini 1967. II, 22:26115
  - Spectrographic study of EW LAC. I, 25:30098
- HARMANEC, Petr Case B of mass exchange in 4 + 3.2 M/sub solar mass/ and 4 + 1.6M/sub solar mass/, 24:23554
- HARMANN, Lothar Evaluation of gamma logs from bore samples with the aid of small computers, 22:25519
- HARMATIUK, L. R. Ageing in Nb-rich Nb—Hf—C alloys, 21:22863 (NP-16673)
- HARMATZ, B. Nuclear spectroscopy in the neutron-deficient 173 less than or equal to A less than or equal to 185 region, 23:7287
- HARMATZ, Milton Electrical properties of electron irradiated germanium, 21:45968 (AD-632539)
- HARMER, C. L. Value of ^{18}F for scanning bone tumors, 23:41370
- HARMER, D. E. Solid-state polymerization of 1,2,3,4-diepoxybutane by γ radiation, 21:25891
- HARMER, D. L. Composition of delta pavonis, 25:11564
- HARMER, D. S. Accurate delayed-neutron parameter measurements in a heavy-water reactor, 21:8080
  - Delayed-neutron parameter measurements, 23:47185
  - Measurement by two-dimensional pulse analysis of the time and energy distributions of afterpulses in proportional counters, 22:16867
  - Problems of fast neutron radiography, 25:32494
  - Selected biomedical applications of thermal neutron radiography, 25:32490
- HARMER, David E. Chemical and food applications of radiation, 23:26464
  - Optimum design of radiation chemical reactors, 23:26420
  - Process for controlling thermal neutron concentration in an irradiated system, 21:21795
  - Radiation processing: where we stand now, 21:39146
  - Transition of radiation chemistry to an industrial reality, 22:2137
- HARMER, Don S. Search for neutrinos from the sun, 22:31590
  - Theoretical modulation transfer functions and dosimetry for fast-neutron radiography, 25:32495
- HARMER, J. L. τ Indi: a weak-lined halo star with excess deficiency of nitrogen, 24:15007
- HARMER, R. Microstructure and magnetic aftereffect in bulk-hardened rare earth—cobalt—copper base permanent magnet alloys, 25:47645
- HARMER, R. S. Lattice constants for mixed intermetallic phases of type R_2(Co/sub 1-x/Fe/sub x/)$_{17}$, 25:52374 (CONF-711001-(Vol.1), pp 368-78)
  - Utility of (Pr,Nd)Co_5 alloy for permanent magnets, 25:27886
- HARMISON, L. T. Design of a ^{238}Pu-powered implantable thermal engine for heart assist devices, 25:4232
  - Radioisotope-fueled Stirling engine artificial heart power system, 25:4233
  - Radioisotope-fueled vapor cycle power supply for an artificial heart, 25:4234
- HARMISON, Lowell T. Implanted power systems for medical application, 25:39666
  - Irradiated wood plastic materials technology, 21:10399
  - Use of radioisotopes in artificial heart devices, 25:44556
- HARMON, D. P. Coated particle irradiation experiments, 23:22690 (GAMD-9245)
  - HTGR coated-particle fuel performance, 24:33328
  - HTGR fuel design and irradiation performance, 25:6003
  - HTGR fuel design and irradiation performance, 25:49568 (GA-10468)
  - Irradiation performance of fuel rods containing coated particles, 24:33327
  - Postirradiation of Peach Bottom fuel elements, 23:23825 (GAMD-8743)
- HARMON, G. S. Radiation temperature and enhanced diffusion in a radio-frequency discharge, 21:37420
- HARMON, H. D. Sodium and Sr extraction from Na nitrate solutions by n-octane solutions of branched aliphatic monocarboxylic acid, 23:21791
- HARMON, Harry Douglas Thiocyanate and chloride complexes of some trivalent actinides, 25:51425 (ORNL-TM-3486)
- HARMON, J. F. rf gate with 140 dB carrier suppression, 22:43163
- HARMON, Judson A. Prog. rpt. on postattack sanitation, waste disposal, pest and vector control and the effects of fallout in waste water and sewer systems, final, phase 2, 1/67, 21:41055 (AD-645599)
- HARMON, K. M. The salt cycle process, 24:22746
- HARMON, Raymond G. Conference on analysis instrumentation, Houston, Tex., 5/66. IV, 21:39315
- HARMON, T. G. Optical and electron microscopy, 22:14432 (ORNL-4196, pp 63-6)
  - Optical and electron microscopy, 24:13740 (ORNL-4466, pp 99-101)
- HARMON, W. R. Determination of uranium in ores and in solution using a portable non-dispersive x-ray spectrograph, 23:31289
- HARMS, A. A. Analytical model of the recording process in neutron radiography, 25:4251
  - Angular density representation in neutron transport, 24:47553
  - Consistent criticality estimates in pulsed neutron experiments, 25:12860
  - Expository derivation of neutron transport equations, 25:38860
  - Measurement of time-averaged voids by neutron diagnosis, 25:51924
  - Minimal-error few-group critical mass determination, 25:3930
  - Neutron angular density, 23:37728
  - Optimal and non-optimal space-energy neutron structures, 23:37709
  - Optimal neutron group structure, 23:3912
  - Phase-space reduction in neutron diffusion calculations, 25:12853
- HARMS, Archie Arkadius Variable phase-space neutron transport analysis, 25:3532
- HARMS, B. Rotation invariance and structure of S-wave π π cross section, 24:40363 (COO-1428-174)
- HARMS, B. C. Analysis of the decay of rho$^-$ mesons produced in π^-p interactions at 2.26 GeV/c, 22:46341
  - Negative pion—proton elastic scattering at 2.26 GeV/c, 21:18918
  - Pi$^-$p elastic scattering at 2.26 GeV/c, 22:50302
  - Resonant structure in π^-eta system from reaction $\pi^-p \rightarrow \pi^-$peta at 2.26 GeV/c, 23:7098
  - Single-pion production in π^-p interactions at 2.26 GeV/c, 24:3530
  - T = 2 pion—pion scattering, 23:18808
- HARMS, Benjamin Carleton Analysis of the reaction $\pi^+p \rightarrow \pi^+p\pi^+\pi^-$ at 11.0 GeV/c, 25:5292
- HARMS, D. Electromagnetic proton form factors at squared four-momentum transfers between 1 and 3 $(GeV/c)^2$, 25:1366 (DESY-70/42)
  - Inelastic electron—proton scattering in the region of the Δ (1236) resonance, 25:43527 (DESY-71/21)
- HARMS, E. Accuracy of a separable approximation, 24:13410
  - Calculations on the three-nucleon system using a separable expansion of local potentials, 25:20538
  - Hall—Post lower bound calculations for the three-nucleon system, 25:43983
  - Relationship between the triton energy and the neutron—deuteron doublet scattering length, 25:18013
  - Separable approximation for n—d scattering, 24:52138
  - Separable potential calculations on the $^1/_2{}^+$ neutron—deuteron system, 25:12359
  - Unitary pole approximation and binding energy of the trinucleon, 24:13430
- HARMS, Edward Convenient expansion for local potentials, 24:38361
  - Separable approximation to local potentials, 24:52718
  - Three-nucleon equations with separable two-body potentials, 25:12687
- HARMS, Edward Albert Separable expansions of the two-body T-matrix and the three-body problem, 25:5432
- HARMS, Ingrid Physical-technical basis of radiotherapy with ^{137}Cs, 22:522
- HARMS, J. Automatic dead-time correction for multichannel pulse-height analyzers at variable counting rates, 21:36461
  - Compensation of emitter-base voltage variations with operational amplifiers, 24:4522
  - Determining half lives, 24:33931
  - Leading-edge tunnel-diode discriminator, 24:36667
  - Neutron spin-flip chopper for time-of-flight measurements, 24:9685
  - Neutron spin-flip chopper, 22:10586
- HARMS, Klaus-Dieter Calculation of anisotropy of H/sub c2/ in cubic single crystals, 25:3047
- HARMS, R. H. Iodine uptake by ova of hens, 22:51332
- HARMS, Ulrich Velocity dependence of two-particle potential in one particle-one hole model of ^{16}O and ^{12}C nuclei, 22:39583
- HARMS, W. O. Alkali—metal corrosion of high-temperature materials, 23:8111 (ORNL-4370, pp 76-84)
  - Alkali—metal corrosion studies, 23:24793 (ORNL-4390, pp 85-109)
  - Alkali-metal corrosion of high-temperature materials, 22:8695 (ORNL-4170, pp 93-6)
  - Alkali-metal corrosion studies, 23:48324 (ORNL-4420, pp 89-115)
  - Alkali-metal corrosion studies, 24:4717 (ORNL-4440, pp 75-108)
  - Compatibility of materials for advanced space nuclear power systems, 21:45865 (ORNL-TM-1964)
  - Compatibility of materials with alkali metals for space nuclear power systems, 22:43533
  - Conference on materials for radio-isotope heat sources, Gatlinburg, Tenn., 10/68, 24:22881
  - Fueled-graphite elements for AVR, 23:8294
  - Gas-cooled reactor program, 21:13226 (ORNL-3970, pp 150-63)
  - High-temperature materials development, 21:13097 (ORNL-3970, pp 61-80)
  - LMFBR cladding and structural materials, 24:2921 (ORNL-4470, pp 168-80)
  - Nitride fuels development, 22:8739 (ORNL-4170, pp 97-102)
  - Nitride fuels development, 23:8272 (ORNL-4370, pp 85-91)
  - Nondestructive test development, 23:24408 (ORNL-4390, pp 177-88)
  - Nondestructive test development, 23:47717 (ORNL-4420, pp 188-97)
  - Nondestructive test development, 24:4414 (ORNL-4440, pp 155-9)
  - Nondestructive testing techniques for FBR, 25:29287 (ORNL-4630, pp 145-9)
  - Nondestructive testing techniques for LMFBR, 25:48766 (ORNL-TM-3300, pp 170-3)
  - Nondestructive testing, 25:29288 (ORNL-4630, pp 271-9)
  - Nondestructive testing, 25:48767 (ORNL-TM-3300, pp 304-12)
  - Physical and mechanical metallurgy of high-temperature materials, 22:8737 (ORNL-4170, pp 65-79)
  - Physical and mechanical metallurgy of high-temperature materials, 23:8164 (ORNL-4370, pp 59-67)

Prog. rpt. on fuels and materials development, 9/68, 23:20534 (ORNL-4350)
Prog. rpt. on fuels and materials, 6/30/68, 23:12260 (ORNL-4330)
Sodium corrosion studies, 25:29761 (ORNL-4630, pp 150-7)
Sodium corrosion studies, 25:49356 (ORNL-TM-3300, pp 174-81)
Sodium removal and caustic effects, 25:29762 (ORNL-4630, pp 158-62)
Sodium removal and caustic effects, 25:49357 (ORNL-TM-3300, pp 182-7)
Tungsten metallurgy, 21:13098 (ORNL-3970, pp 85-90)
Tungsten metallurgy, 22:8738 (ORNL-4170, pp 80-92)
Tungsten metallurgy, 23:8131 (ORNL-4370, pp 68-75)
Uranium nitride, 21:13224 (ORNL-3970, pp 91-5)
HARMSEN, Aa. Brain scanning: cerebral scintigraphy, 25:26850
HARMSEN, D. Formation of resonant states in $K^- + p \rightarrow K^- + p$ between 0.8 and 1.2 GeV/c, 21:3996
Production and decay of $Y_1^*(1760)$ in the reaction $K^- + p \rightarrow K^- + p + \pi^0$, 21:885
HARMSEN, D. M. Final state interaction effects in π^- mesonic decays of light hypernuclei, 22:24529
Final state interactions among the decay products of /sub Λ/^{8}Li and /sub Λ/^{12}B, 24:3507
Improved partial wave analysis of anti KN $\rightarrow$ anti KN from 800 to 1200 MeV/c, 25:59293
Interactions of 1.5 GeV/c K^- mesons with emulsion nuclei, 21:25244
Interactions of 1.5 GeV/c K^--mesons with emulsion nuclei, 21:9956 (DESY-66/23)
HARMSEN, D.-M Interaction (anti KN) from 800 to 1200 MeV/c. II, 23:10762
HARMSEN, D.-M. Systematic investigation of mesonic hypernuclei, 23:25514
HARMSEN, Dirk-Michael Evidence for existence of hypernucleus /sub Λ/Li^6, 22:3274
HARMSEN, U. Internal oxidation of Ag—Cd alloys under oxygen pressure, 25:55381
HARMS-RINGDAHL, L. New non-linear pulse-height compensator for time-to-amplitude converters, 23:26619
HARMSWORTH, B. J. Chemisorption on some alkaline earth oxides. I, 21:32198
Energy transfer in oxides. I, 25:40136
Surface reactivity of irradiated magnesium oxide, 23:1065
HARMUT, M. Determination of ^{47}Ca and ^{85}Sr in biological samples by direct counting, 23:4964
HARMUT, Magda Comparative strontium and calcium metabolism in lactation, 25:42255
Direct counting of ^{47}Ca and ^{85}Sr in biological samples, 25:18997
Measurement of ^{47}Ca in forearm as indication of Ca metabolism in humans, 21:26522
HARMUTH-HOENE, A.-E. Interaction between chelates and endogenous zinc, 23:24549
HARMUTH-HOENE, Anna-Elisabeth Metabolism and toxicity of therapeutic chelating agents. I, 22:40521
Metabolism and toxicity of therapeutic chelating agents. V, 23:20105
Metabolism and toxicity of therapeutic chelating agents. II, 23:45782 (AEC-tr-7088)
Metabolism and toxicity of therapeutic chelating agents. V, 23:50266 (AEC-tr-7089)
Metabolism and toxicity of therapeutic chelating agents. I, 24:550 (AEC-tr-7090)
HARN, C. Induction of mutation by radiation and chemicals. III, 24:6027
Mutation breeding of mice, 24:50824
HARN, C. Y. Induction of mutation by radiation and chemicals. II, 24:14461
Induction of mutations by radiations and chemicals. I, 23:4910
HARN, Chang Yawl Garlic breeding using radiation. I, 23:4920
Garlic breeding using radiation. II, 23:7983
Soybean improvement by application of x-ray and thermal neutron, 23:4909
Studies on the induction of useful mutations in radish and Chinese cabbage by irradiation, 22:36241
Studies on the preservation of fresh strawberries by means of γ-ray irradiation, 22:36426
X-ray induced chromosomal aberration of root-tip cells in Raphanus sativus, 23:4908
HARNDEN, D. G. Isolation of Cystomegalovirus from peripheral blood, 21:41453
HARNDEN, F. R. Jr. Low-energy gamma radiation from Cygnus, 24:19640
Low-energy gamma radiation in the atmosphere at midlatitudes, 24:5021
Observation of pulsed hard x radiation from NP 0532 from 1967 data, 23:34193
Period and hard-x-ray spectrum of NP 0532 in 1967, 23:51248
HARNDT, E. Activation analysis as a method of investigation in dentistry, 22:25254
HARNE, Donald E. Tensile deformation of vapor-deposited copper reinforced with tungsten wires, 25:24576
HARNER, Richard N. Late sequelae of Thorotrast, 24:21313
HARNEY, H. L. A comparison of analogue resonance studies and coulombstripping in ^{208}Pb, 25:28366
Analog resonances and polarization, 24:38281
Condition for the production of polarization in nuclear reactions, 23:11062
Determination of spectroscopic factors from elastic proton scattering through the isobaric analogue resonances, 23:1950
Determination of the compound elastic effective cross section for the elastic scattering of protons on ^{54}Cr and ^{56}Fe for incident energies between 9 and 12 Mev, 21:1056
Number of degrees of freedom in fluctuation analysis, 25:3717
Reduced widths from isobaric analog resonances, 25:15201
Spectroscopic factors from analogue resonances, 24:11030
Spectroscopic factors from isobaric analog resonances in elastic proton scattering, 22:18336
Spectroscopic information from nuclear reactions, 25:7900
Statistical model analysis of fluctuations in elastic and inelastic proton scattering on ^{54}Cr and ^{56}Fe, 24:1787
Structure of generalized neutron particle-hole states in ^{140}Ce, 23:52167
HARNIE, R. Pilot plant for preparation of uranium hexafluoride by dry treatment of nuclear compounds, 25:8342
HARNISCHMACHER, E. Fading pattern, 23:51490
Ionospheric drifts in the E region, 23:51489
Prog. rpt. on ionospheric drift, final, 4/63—3/67, 22:34358 (AD-663443)
HARNISCHMACHER, Ewald Analysis of ionospheric drifts observed at different latitudes, 24:4961 (AD-691913)
HARNOIS, Marion Virus and DNA synthesis in x-irradiated human kidney cell cultures exposed to adenovirus type 12, 22:51457
HARO, G. Flare stars, 22:49956
HAROCHE, S. Static magnetic field produced by oriented nuclei of ^{3}He, 23:23261
HAROLD, F. M. Gramicidin, valinomycin, and cation permeability of Streptococcus faecalis, 21:39335
HAROLD, M. R. Aspects of beam behavior in Nimrod, 21:29750
Extraction techniques at Nimrod, 25:1672 (RPP/N-22)
Resistive wall instability and damping system in Nimrod, 21:38076
Resonant extraction system for Nimrod, 23:21186 (RHEL/R-173)
Superconducting synchrotron design, 25:33899 (RPP/N-23)
HAROLD, Richard J. Fertility variant in Streptomyces coelicolor, 24:4600
Ultraviolet-sensitive mutants of Streptomyces coelicolor. I, 25:13414
Ultraviolet-sensitive mutants of Streptomyces coelicolor. II, 25:13407
HAROLDSEN, F. O. Limited temperature and fatigue test capsule experiments, 21:20538 (CONF-660511-, pp 1.5.1-17)
HAROLDSEN, R. O. EBR-II: Digital Data Acquisition System study, 23:52328 (ANL-EBR-1)
Instrument probe for measuring temperature and pressure in the upper plenum of the EBR-II reactor vessel. EBR-II Project, 25:12781 (ANL-EBR-25)
Surveillance and evaluation of the EBR-II flow-monitoring system. EBR-II Project, 24:50094 (ANL-EBR-18)
HAROON, M. R. Control rod effectiveness measurements versus supercell concept and heterogeneous theory, 23:43217
Effect of coolant channel diameter on homogeneous and heterogeneous methods of reactor analysis in reflected subcritical assembly, 24:18732
Effects of buckling calculation on diffusion parameter measurements for heavy water in spheres, 24:11324
Effects of voids on methods of reactor analysis in a subcritical assembly, 23:37764
Evaluation of homogeneous and heterogeneous methods of analysis in a subcritical assembly, 22:33013
Interaction between closely-spaced indium foils in light water, 23:670
Methods of analysis in reflected subcritical assembly, 23:19535
Neutron diffusion parameter determination using the pulsed neutron source techniques with spheres of heavy water, 25:5485
Neutron diffusion parameters of heavy water in spheres, 24:22061
Neutron source-strength determination by student laboratories, 24:43102
HAROON, M. Rafiq Homogenization and lattice-parameters of sub-critical assembly, 23:40399
HAROON, Muhammad Rafiq Neutron diffusion and multiplication in reactor lattices, 21:44944 (NP-16953)
HAROULES, G. Microwave radiation from the helium negative glow, 25:17160
HAROULES, G. G. Relative flux densities of radio sources at 8 GHz, 21:46064
HAROUTUNIAN, Lulu M. Radioisotope scanning of the lung in cyanotic congenital heart disease, 23:45797
HAROUTUNIAN, R. Directional correlations of gamma rays in ^{152}Sm measured by gating on the 244.66-keV transition, 25:56777
Lifetimes and nuclear moments in ^{192}Os and ^{192}Pt, 24:24583
Microstructure effect on hyperfine interactions in Yb—Ag, 24:21885 (LYCEN-6956)
Microstructure effect on hyperfine interactions in Yb—Ag, 25:36332
Structure of the low-lying energy levels of ^{200}Hg, 24:30829
HARP, G. D. Analytic model of ^{14}C distribution in atmosphere, 22:6495
Attainment of statistical equilibrium in excited nuclei, 22:14107
Precompound decay from a time-dependent point of view, 25:15140 (CU-1019-79)
Precompound decay from a time-dependent point of view, 25:46106
HARP, R. S. Class of waveguides with uniform electric field strength, 22:4521
Collisional mechanism for producing electron cyclotron echoes from plasmas, 21:3850
Conductance peaks in a cylindrical plasma capacitor at the cyclotron harmonics, 24:49129
Interpretation of ionospheric resonances stimulated by Alouette 1, 21:11518
Microwave pulse amplification by plasmas, 23:32541
Observation of resonance rectification effects in a magnetoplasma, 22:1215
Plasma transient response and the determination of collision data, 22:22167
Reflection technique for plasma-density measurement, 22:34614
Resonance rectification effects in warm magnetoplasmas, 21:39985 (SU-IPR-177)
Resonance-rectification effects in warm magnetoplasmas, 22:7292
Some studies of electron cyclotron echoes from plasma, 21:37469
Stimulated cyclotron echo radiation from plasmas, 22:6704
HARPAZ, Y. Radioisotope tracers in large-scale recharge studies of groundwater, 22:19067
HARPER, B. E. 1000-Mwe liquid metal fast breeder reactor follow-on study. Task III, 24:18684 (AI-AEC-12792(Vol.3))
HARPER, Billy G. Apparatus for the production of polymers by irradiation, 24:2354
Simultaneous polymerization of a plurality of monomer streams in a single reactor using ionizing radiation, 23:11563
HARPER, Boyd Elbert Jr. Experimental investigation of neutron pulses through an interface and moderator lattice, 25:28818
HARPER, C. Tests on P.T.F.E. valve seats, 24:39731 (DP-Report-78)
HARPER, C. M. High-field superconductors at elevated temperatures, 22:11345
Prog. rpt. on properties of high field superconductors, 6/21/65—4/26/66, 21:29154 (N-66-30752)
Prog. rpt. on properties of high-field superconductors at elevated temperatures, final, 4/27/66—8/26/66, 21:31351 (N-67-12913)
HARPER, Cecil Helium coolant chemistry and basic design of molecular sieve absorption plant, 25:51072
HARPER, Charles M. Flux jumps in a hard superconductor in superimposed ac and dc magnetic fields, 21:3782
HARPER, D. A. Far-infrared emission from H II regions, 25:24765
HARPER, David B. Effects of irradiation on terminal buds of Pisum, 24:44626
HARPER, E. A. Apparatus for x-ray measurements on reactive materials at 2500°C, 23:40939
High-temperature attachment for use with Phillips x-ray diffractometer, 22:28201 (AERE-R-5695)
High-temperature structure of plutonium dicarbide, 22:41122
Uranium—plutonium—carbon phase diagram. I, 25:11523
HARPER, E. P. Faddeev equations for realistic three-nucleon systems. I, 24:52670
HARPER, F. E. Mixed state in superconducting thin films, 22:39018
HARPER, Francis Edward Critical magnetic field of superconducting tin films, 22:2996
HARPER, H. Nonlinear internal friction, modulus changes, and strain relaxation, 23:12363
HARPER, J. A. Design and operation of a large sand bed for air filtration, 23:13904 (DPSPU-68-30-5)
Experience with an improved stack monitor, 22:45306
Large sand bed for air filtration, 23:29070
HARPER, J. D. Pipe closure by explosives, 22:6513 (LA-3786)
HARPER, John W. Prog. rpt. on modified ^{59}Fe ferrokinetic procedure, final, 11—12/68, 23:45622 (AD-690129)
Reduction of radiation hazard in tritium method of measuring total body water, 25:18977 (AD-702155)
Simultaneous determination of ^{59}Fe, ^{51}Cr, and ^{125}I, 24:14503
HARPER, Katherine Proceedings of fourth LAMPF users meeting, Los Alamos, N. Mex., 10/70, 25:25564 (LA-4578)
HARPER, Katherine H. Calculation of neutron polarizations using a local optical potential with average parameters, 22:16013 (LA-3788)
Proceedings of 4th LAMPF users meeting, Los Alamos, N. Mex., 10/70, 25:24271 (LA-4602)
Proceedings of second LAMPF users meeting, 1/16—17/69, 23:27906 (LA-4087)
Proceedings of the first LAMPF users' meeting, Los Alamos, N. Mex., 6/20/68, 23:1727 (LA-3963)
HARPER, M. W. Some unexpected dosimetric problems in an apparatus for mammalian radiobiology, 25:13456
HARPER, P. G. Statistical theory of a second-order transition in an interacting system, 21:23146
HARPER, P. V. ACRH brain scanning system, 21:22519
Comparison of ^{68}Ga, /sup 99m/Tc, and /sup 113m/In used with γ camera and 3-inch and 5-inch scanners for visualization of lesions in the brain, kidney, liver, and lung, 23:6488 (ACRH-1000-82)
Evaluation of scanning procedures, 23:33444
Evaluation of scanning procedures in terms of information theory, 23:605 (ACRH-1000-72)
Evaluation of scanning procedures in terms of information theory, 23:35785 (ACRH-31, pp 12-24)
Human total-body retention and excretory routes of ^{75}Se from selenomethionine, 23:29309 (ACRH-30, pp 49-57)
Imaging /sup 99m/Tc compounds with the gamma scintillation camera, 22:25940
Imaging technetium-99m compounds with gamma scintillation camera, and use of system to avoid distortion of respiratory motion in radioisotope scintiphotography, 21:22473 (ACRH-26, pp 57-64)
Rapid brain scanning with /sup 99m/Tc, 21:26548
Retention and excretory routes of selenomethionine, 25:6630
Three-dimensional image reconstruction in scanning and radiography, 21:22472 (ACRH-26, pp 52-6)
Use of a 1600 channel analyzer with a gamma scintillation camera, 25:6723
HARPER, P. V. Jr. Recent advances in scanning, 23:16106

- HARPER, Paul V. Antibodies (^{131}I-labeled) to human fibrinogen, 21:26482
  - Diagnostic value of hepatic pliability as assessed from inspiration and expiration views on the gamma camera, 25:24237
  - Early effects of cancer therapy on uptake of ^{131}Cs by tumor: correlation with clinical result, 22:40592
  - Optical processing of radionuclide images, 23:38239 (ACRH-1000-130)
  - Some therapeutic applications of radioisotopes, 22:47540
  - Studies with ^{131}I-labeled antibody to human fibrinogen for diagnosis and therapy of tumors, 21:14698
  - Three-dimensional image reconstruction in scanning and radiography, 22:38390
  - Thyroid carcinoma associated with radiation therapy, 23:35927
- HARPER, R. Eclipse observations at Arecibo, Puerto Rico, 24:39933
- HARPER, R. G. Collision probability code: MINOS, 22:14317
  - Some comparisons between predicted neutron spectra and differentially measured spectra in hydrogenous solutions containing various absorbers, 21:31695
- HARPER, R. J. Catalytic exchange and deuteration of tert-butylbenzene and p-tert-butyltoluene on evaporated metal films, 21:12418
- HARPER, R. M. Plant description, 23:28392
- HARPER, R. P. Interference between nuclear and Coulomb excitation of ^{114}Cd by alpha particles, 24:22154
  - Measurement of static quadrupole moments of first 2^+ states of ^{108} ^{110}Pd and ^{110}Cd, 25:17893
  - Quadrupole moments of the first 2^+ states of ^{104} ^{106}Pd and ^{130}Te, 24:43395
  - Static quadrupole moments of the first 2^+ states in ^{104} ^{106}Pd and ^{130}Te, 24:26665
- HARPER, T. Application of Fourier transforms to analysis of spectra data, 22:33166
  - Application of Fourier transforms to analysis of spectral data, 23:7786
  - GAMANL: computer program applying Fourier transforms to the analysis of gamma spectral data, 25:53747 (MIT-3944-2)
- HARPER, T. L. Cable shielding from photon scattering for pinex experiments, 25:49959 (UCRL-51045)
- HARPER, Thomas L. Jr. Determination of thermal-neutron capture-gamma yields, 24:6912
- HARPER, W. J. Application of radioisotopes and radiation to the evaluation and control of dairy-food processes, 21:34410
  - Utilization of radioactive isotopes as tracers in research concerning milk and milk products, 21:34411
  - Volatile S compounds in milk. I, 21:30769
- HARPER, W. L. Curing plastics with gamma radiation, 21:3086 (Y-1562)
  - Preparation and characterization of hydrocarbon derivatives of indene, 24:24986 (Y-1712)
  - Properties of carbon derived from indene compounds, 25:57295 (Y-1790)
- HARPOLD, D. N. Horizontal distribution of helium in the Earth's upper atmosphere, 25:22427
- HARPSTER, J. W. Control of lithium drift current in silicon and germanium, 21:10649
- HARRACH, R. J. Laser beam filtering by saturable dyes, 25:31747 (UCRL-51008)
- HARRACH, Robert J. Radiation-field-dependent frequency shifts of atomic beam resonances, 21:24920
- HARRAH, L. A. Chemical dosimetry, 23:35530
  - Chemical dosimetry with doped poly(halostyrene) film, 24:13897
  - Chemical dosimetry with trans-stilbene-doped polystyrene film, 23:41079
  - ESR of radicals produced in ^{60}Co gamma-irradiated polystyrene, 24:27116
  - Nonlinear responses of poly(vinyl toluene) plastic scintillators at high excitation doses, 25:57765
  - Pulsed electron beam energy deposition profiles using solid radiation sensitive plastics, 25:22570 (SC-RR-70-427)
  - Pulsed electron beam energy deposition profiles using solid radiation sensitive plastics, 25:22575
  - Stored-charge effects on electron dose-depth profiles in insulators, 25:8566
  - X- and γ-radiation damage to single crystal anthracene, 23:15904
- HARRAP, Victor Determination of sodium in ultrapure silicon and silicon dioxide films by activation analysis, 21:34223
- HARRAR, J. E. 1970 analytical chemistry annual report, 25:37260 (UCRL-50006-71)
  - Determination of molybdenum by controlled-potential coulometry, 22:44993
  - Determination of nitrite by controlled-potential coulometry, 25:15501
  - Determination of titanium by controlled-potential coulometry, 25:31827
  - Mercury pool cell for controlled-potential coulometry, 22:6258 (UCRL-50335)
  - Notes on potentiostat stabilization, 21:30745 (UCID-15151)
  - Platinum working electrode cell for controlled-potential coulometry, 22:35742 (UCRL-50417)
  - Prog. rpt. on analytical chemistry, 4—7/66, 21:12 (UCID-15014)
  - Prog. rpt. on analytical chemistry, 10-12/66, 21:15836 (UCID-15079)
  - Prog. rpt. on analytical chemistry, annual, 1966, 21:34215 (UCRL-50006-67-1)
  - Prog. rpt. on analytical chemistry, annual, 1—12/67, 22:30436 (UCRL-50006-68-1)
  - Prog. rpt. on analytical chemistry, annual, 1968, 23:28673 (UCRL-50006-69)
  - Prog. rpt. on analytical chemistry, annual, 1969, 24:33626 (UCRL-50006-70)
  - Real-time computer prediction of end points in controlled-potential coulometry, 24:18876 (UCRL-72009)
- HARRAR, Jack Prog. rpt. on analytical chemistry, 7—9/66, 21:15835 (UCID-15066)
- HARREL, H. A. Cost-benefit illustration for underground nuclear natural gas stimulation, 25:34766 (AECOP-632)
- HARRELL, B. E. Inhibition of graft-versus-host reaction, 22:40530
- HARRELL, J. E. Mixing and sampling enriched ^{235}U fluids in cylindrical storage containers, 21:8500 (Y-1561)
- HARRELL, James E. Jr. Mixing of fluids in tanks of large length-to-diameter ratio by recirculation, 22:33538
- HARREMOES, P. Tracer investigations of effluent dispersion, 22:14695
- HARREMOES, Poul Prediction of pollution from planned wastewater outfalls, 21:28118
- HARRER, J. M. Wide-range counting-Campbelling neutron-flux detection system, 22:303 (ANL-7224)
- HARRER, Joseph M. Performance of counting-mean-square voltage channel in EBR-II, 22:28072
- HARRI, J. Rocket borne scintillation spectrometer for observing cosmic x rays, 23:22087
- HARRI, J. G. Low energy cosmic x-ray proportional counter system, 22:38022
- HARRI, John Proportional counter gas system regulator for x-ray astronomy, 21:22134 (UCID-15128)
- HARRIES, D. R. Correlation of radiation-hardening with interstitial nitrogen content in mild steels, 25:714
  - Effects of interstitial elements on radiation hardening in mild steels, 24:29991
  - Effects of irradiation and heat-treatment on tensile properties of austenitic stainless steel, 21:16630
  - Effects of Y on structure and post-irradiation tensile properties of an Fe—Cr—Al alloy, 24:29994
  - Irradiation effects in fast reactor cladding and structural materials, 25:52390 (A/CONF.49/P-499)
  - Problems in the selection and utilization of materials in sodium cooled fast reactors, 22:18505
  - Radiation-hardening and recovery in mild steels and the effects of interstitial nitrogen, 25:713
  - Role of B in irradiation embrittlement of austenitic steel, 24:14857
- HARRIES, J. R. Impulsive x-ray emissions by the sun, 24:1212
  - Observations of Cen XR-2, Sco XR-1, and terrestrial x-rays, 23:1095
  - Observations of coronal broadening of Crab Nebula, 24:51322
  - Solar x-ray bursts and their relation to $H\alpha$ and microwave emissions, 24:44925
  - Solar x-ray bursts observed on IMP-F, 23:34205
  - Strong x-ray source in vicinity of constellation Crux, 21:33096
  - Thermal models of Centaurus XR-2, 23:34162
  - Variability of Centaurus XR-2, 22:5018
  - Variability of Centaurus XR-2, 23:34161
  - X-ray albedo from the Earth, 23:34163
- HARRIES, K. Axially-fed 100kG pulsed field coil, 22:10457
- HARRIES, Robert W. Prog. rpt. on materials and systems for protection against flashblindness effects of nuclear detonations, Phase I, final, 6/63—5/64, 23:41346 (AD-688692)
- HARRIES, W. Linear multipole and spherator experiments, 22:44069 (MATT-620)
  - Linear multipole and spherator experiments, 23:32338
- HARRIES, W. L. Automatic data plotting method for pulsed experiments, 22:45374
  - Convective cells in a quiescent plasma region, 24:35462
  - Plasma containment in a quadrupole configuration, 22:46111 (MATT-592)
  - Plasma containment in a quadrupole configuration, 23:30523
  - Plasma convection and particle loss, 24:10503
- HARRIES, William S. Prog. rpt. on Automatic Remote Radiological Monitoring System, final, 7/66, 21:41060 (AD-647350)
- HARRIGAN, P. M. Optical, lighting, and photographic equipment for the Enrico Fermi Atomic Power Plant repair program, 22:32915
- HARRIGAN, William C. Young's modulus of polycrystalline Ni—W alloys, 23:10199
- HARRILL, R. Vanadium alloys versus stainless steel for LMFBR cladding, 22:46925 (WARD-3791-19)
- HARRIMAN, John E. N-representability problem for an odd number of fermions, 22:26544
  - Perturbation theory in terms of reduced density matrices, 25:17334
- HARRIMAN, P. D. Ultraviolet inactivation of transfer ribonucleic acid functions, 21:6459
- HARRIMAN, Philip D. Radiophosphorus decay on cistron function in bacteriophage T4. II, 21:26689
- HARRINGTON, C. D. Adaptation of UO_2 ceramic processes to powders of various characteristics, 22:49793
- HARRINGTON, D. R. Production of aligned deuterons in high-energy elastic proton—deuteron scattering, 23:27830
- HARRINGTON, David R. Coherent inelastic contributions to absorptive corrections in a composite model, 24:37813
  - Composite models for high-energy proton—proton scattering, 24:3691
  - Cut diagrams in potential theory, 23:51960
  - D-wave effects in high-energy proton—deuteron scattering, 23:3760
  - Double-scattering contributions to the proton—proton differential cross section in the quark model, 21:31609
  - Effect of deuteron's D-wave component in high-energy scattering, 24:52136
  - Eikonal approximation for inelastic processes, 25:59330
  - Model for inelastic effects in high-energy pion—deuteron scattering, 24:52139
  - Modified two-pion-exchange model for double-charge-exchange processes, 22:37153
  - Multiple scattering in the quark model, 22:50366
  - Multiple scattering, the Glauber approximation, and the off-shell eikonal approximation, 24:3776
  - New derivation and generalization of a modified eikonal formula, 25:7751
  - Pion—deuteron scattering in a composite model, 24:24392
  - Secondary structure in high-energy scattering amplitudes, 24:49630
  - T-matrix perturbation theory for Faddeev equations, 25:53364
  - Three-body interaction effects in high-energy scattering from deuterons, 23:15151
- HARRINGTON, E. A. Reactions $\pi^-p \rightarrow p\pi^+\pi^-\pi^-\pi^0$ and $\pi^-p \rightarrow n\pi^+\pi^+\pi^-\pi^-$ at 8 GeV/c, 24:28496
- HARRINGTON, Eustace Lionel Ernest Improvements in nuclear fuel pins and fuel pin assemblies, 22:37579
- HARRINGTON, F. E. Comparative evaluation of sol—gel fuel fabrication costs, 21:44853 (ORNL-TM-1979)
  - Management of radioactive wastes at nuclear power stations, 22:10532 (ORNL-4070)
  - On-site fuel processing and recycle plant: design study, 21:23611 (ORNL-3959)
  - Waste management at nuclear power stations, 22:22750
- HARRINGTON, G. W. Radioisotopic exchange between chlorine gas and molten $PbCl_2$—KCl, 22:4124
- HARRINGTON, Helen Effects of various agents on priming activity of DNA for E. coli DNA polymerase, 21:36489
  - Physicochemical properties of x-irradiated DNA, 21:10819
- HARRINGTON, Howard W. Spectroscopically analyzing a sample by detecting radiation field change, 23:28708
- HARRINGTON, J. ASTRA flux calculations with large scale computer programs, 23:37617 (SGAE-R-3/1968)
  - Experimental measurement of K infinity and eta in subcritical lattices, 22:32999
- HARRINGTON, J. P. Intrinsic polarization of Mira variables, 23:30227
- HARRINGTON, J. Patrick Continuum absorption by heavy elements in high-excitation planetary nebulae, 23:20578
  - Intrinsic polarization of rapidly rotating early-type stars, 22:21815
  - Ionization stratification and chemical abundances in the planetary nebula NGC 7662, 23:36305
  - Ionization stratification and thermal stability in model planetary nebulae, 22:36630
  - Polarization of radiation from stellar atmospheres: Grey case, 25:851
  - Schuster's emission-line mechanism, 25:6986
- HARRINGTON, J. R. Electric quadrupole giant resonance of ^{165}Ho, 22:27223
- HARRINGTON, J. V. Mars Mariner 4 radio occultation experiment, 22:29133
  - Properties of solar wind turbulence, 23:5175
- HARRINGTON, James Patrick Model planetary nebulae: electron temperatures and ionization stratification, 22:34210
- HARRINGTON, L. C. Thermal conductivity and enthalpy of BeO and the BeO—UO_2 system, 21:6880
- HARRINGTON, M. C. Angular diameter of radio stars, 22:41173
- HARRINGTON, Peter Bryan Sound absorbing devices, 25:28832
- HARRINGTON, R. Theory of barred and Magellanic spiral galaxies, 23:30281
- HARRINGTON, R. B. Factors affecting estimates of potassium content by whole-body liquid scintillation counting, 23:22212
- HARRINGTON, Robert S. Dynamical evolution of triple stars, 22:36672
  - Encounter phenomena in triple stars, 25:8979
- HARRINGTON, Roy V. Radiation window glass, 22:17194
- HARRINGTON, S. Search for rapid optical oscillations in Scorpius XR-1, 25:864
- HARRINGTON, T. M. Low-power memory system for pulse-height-analyzer systems, 24:39395
  - Pulse-height analyzer for charged-particle spectroscopy on the lunar surface, 22:12599
- HARRINGTON, Timothy H. Solar and galactic cosmic ray satellite experiment, 22:28987
- HARRINGTON, Timothy M. Instrument for the measurement of auroral electrons and protons, 25:57790
- HARRINGTON, W. O. Reduction of the microbial population of apple cider by ultraviolet irradiation, 23:20456
- HARRINGTON, Walter J. Anisotropic scattering coefficients in the constant cross-section transport equation, 21:21381
- HARRINGTON, William J. Immunologic aspects of radiation injury and cancer therapy, 21:12967
- HARRINGTON, William Lewis Quantitative aspects of spark source mass spectrometry, 21:17597
- HARRIS, A. Brooks Effect of phonon interactions on orientational state of H_2, 23:18532
- HARRIS, A. G. Solid-state rectifier supply and high-field solenoids at RRE, 22:21249
- HARRIS, A. J. Prestressed concrete pressure vessels for nuclear power stations, 21:4386
  - Rupture design of the Oldbury vessels, 23:11135
- HARRIS, A. M. Annealing effects and optical absorption of thermoluminescent LiF, 25:9574
  - Distribution and dosimetry of inhaled ^{106}Ru citrate in dogs, 24:34022 (LF-41, pp 111-16)
  - Fort Saint Vrain high-temperature 330-MW(e) gas-cooled reactor, 21:38502
  - Fort St. Vrain 330-MW(e) high-temperature gas-cooled reactor, 22:32808
  - Heating rate controller for thermoluminescence studies, 23:4844
  - Low temperature annealing of TLD—LiF, 24:14326
  - Low-temperature annealing behavior of TLD lithium fluoride, 24:7660
  - Pre-irradiation annealing of TLD lithium fluoride, 23:701
  - Rapid scanning spectrometer for the region 200 to 850 nm, 24:27471

- The emission spectrum of thermoluminescent-dosimetry-grade lithium fluoride, 24:23033
- HARRIS, Arthur K. Eclipse study of soft-x-ray distribution over the Sun, 25:7053
  - Recombination coefficient and coronal contribution to E-layer ionization, 22:5224
- HARRIS, B. Creep and tensile properties of heavily drawn tungsten wire, 21:6815
  - Newer forms of carbon and their uses, 23:10269
  - Rocket payload using focusing x-ray optics for the observation of soft cosmic x-rays, 25:18680
  - Solution hardening and deformation of niobium—tungsten alloys, 22:47680
  - Solution hardening in niobium, 21:6824
- HARRIS, B. D. Gamma irradiation of blood agar plates, 22:23697
- HARRIS, B. J. Ohio source counts: comments by Harris and Kraus, 25:32965
  - Proper motions in field of NGC 6475, 24:25849
- HARRIS, Benjamin Lewis Pressure resisting seal, 24:16751
- HARRIS, Beverley J. Radio source counts from Ohio survey, 24:44961
  - Time variations of spectrum of 3C279, 24:1166
- HARRIS, Bruce D. Specialized shipments of radioactive material, 25:48894 (PB-189506, pp 120-5)
- HARRIS, C. A. Design of 5800 kW power supply for spark chamber magnet, 21:36347 (SLAC-PUB-329)
  - High purity low conductivity water system, 25:50495
- HARRIS, C. B. Evaluation of /sup 57m/Fe nuclear quadrupole moment, 22:48492
  - Optically detected ^{35}Cl and ^{37}Cl hyperfine and nuclear quadrupole interactions, 24:22658
- HARRIS, C. C. Averaging light sensor and recording system using double photocell structure, 21:26321
  - Measurement of clinical radioactivity, 22:43077 (ORNL-4153)
  - Quantification of scan records, 21:30827 (ORNL-P-1858)
  - Quantification of scan records, 23:17828
  - Quantitative counting in the presence of coincidence-summing scintillations, 22:517
  - Sensitivity and resolution in radioisotope scanning, 23:33440
  - Sensitivity and resolution in radioisotope scanning, 23:48103
- HARRIS, C. Craig Imaging devices, 25:4325
  - Imaging devices: clinical attributes, 25:4326
  - Importance of reproducible lung scanning, 25:4674
  - Measurement of in vivo radioactivity, 25:4324
  - Reducing radiation exposure from Tc generator operations, 24:23219
- HARRIS, C. L. Lubrication in space vacuum (10^{-10} torr). I, 22:40334
  - Performance of soft metal film lubricants in air and vacuum to 10^{-10} Torr, 22:49722
  - Surface plate calibration program for Wang 700A, 25:46382 (MHSMP-71-9)
- HARRIS, Charles A. Large area proton beams for radiobiologic research from NASA—SREL synchrocyclotron. I and II, 23:30846 (AD-683716)
- HARRIS, Charles W. Method of separating the rare earths by fractional co-distillation of their volatile chelate derivatives, 25:26336
- HARRIS, Clarence J. MHD generator and accelerator experiments in air flows, 21:13416 (AD-639754)
- HARRIS, D. Acoustic emission: A new nondestructive testing tool, 23:17722
  - Acoustic emission: nondestructive testing tool, 22:19079 (UCRL-70750)
  - MHD plant, combustion techniques, and seeding. VII, 22:5190
  - Stress history measurements: Hardhat Event, 22:19000 (UCID-15283)
  - Temperature and velocity modulated MHD systems, 21:37232
- HARRIS, D. E. Declination measurements of selected 4C sources using Arecibo 1000-ft reflector, 23:51255
  - Enhanced interplanetary scintillations associated with solar flares, 21:11374
  - Minimum observable diameter of radio sources, 25:9084
  - New limits on the diameters of radio sources, 22:11166
- HARRIS, D. H. C. DIDO (6H) long wave-length inelastic neutron spectrometer, 24:33915 (AERE-R-6246)
  - Neutron diffraction study of carbon fibres, 24:27868 (AERE-R-6052)
- HARRIS, D. L. Strontium-90 fallout over Lake Michigan, 24:16695
- HARRIS, D. O. Acoustic emission techniques in materials research, 24:46445 (UCRL-72582)
  - Crack arrest in transversely loaded elastic plates, 25:8184 (UCRL-72335)
  - Detection of fatigue crack growth by acoustic emission techniques, 24:14769
  - Engineering evaluation of the status of utilization of beryllium from the viewpoint of fracture mechanics, 24:29945 (UCRL-72442)
  - Fracture analysis by use of acoustic emission, 21:26803 (UCRL-70323)
  - Fracture analysis by use of acoustic emission, 22:52169
  - Fracture toughness of beryllium, 22:52183
  - Multiple-scattering analysis by diffusion and Monte Carlo methods, 24:21843
  - Prog. rpt. on acoustic emission research, 12/63—8/64, 21:1533 (UCID-4868)
- HARRIS, D. R. Analysis of a set of critical homogeneous U—H$_2$O spheres, 23:4384
  - Analysis of a set of homogeneous U—H$_2$O spheres, 22:33080
  - ANDY1G2 and ANDY1R2: Monte Carlo programs for time-dependent monoenergetic particle transport, 24:52364 (LA-4410)
  - ANDYMG3: basic program for time-dependent transport of particles and photons, 25:9601 (LA-4539)
  - Anisotropy of neutron migration in lattices of fuel rods in light water, 24:7307
  - Calculation of the resonance integral of zirconium and comparison with experimental results, 21:38314
  - Collided flux diffusion theory, 22:53464 (WAPD-TM-801)
  - Collided flux diffusion theory, 25:6171
  - DAFT1: program for least squares fitting of 0.0253 eV neutron data for fissile nuclides, 22:22530 (WAPD-TM-761)
  - Evaluated cross sections for the hafnium isotopes, 22:16012 (KAPL-3327)
  - Explicit forms for scattering transformation matrices T/sub L//sup n//sub L'/, 21:13925
  - Explicit forms for scattering transformation matrices T/sub LL'//sup n/, 23:17052
  - Integral measurements of neutron capture and fission in ^{233}U, 23:11004 (WAPD-TM-760)
  - JITER: program for computation of statistical parameters measured in reactor fluctuation experiments, 23:40447 (WAPD-TM-877)
  - Kinetic and power characteristics of bare pulsed-neutron multipliers, 24:7208
  - MAR-1 FORTRAN IV program for construction from multigroup cross sections of compatible cross section data, 21:5464 (WAPD-TM-598)
  - Measurements and calculations of neutron migration and its anisotropy in lattices of fuel rods and liquid coolant, 25:31660
  - Measurements and design model analysis of space-correlated reactor fluctuations, 22:32877
  - Neutron capture in ^{233}Pa, 24:22152 (WAPD-TM-814)
  - Neutron fluctuations, absolute detector efficiency, and natural neutron source strength in UO$_2$ rods in light water, 23:2107 (WAPD-TM-804)
  - REDUX: FORTRAN IV program for calculation of statistical parameters from count samples measured in reactor fluctuation experiments, 24:4154 (WAPD-TM-811)
  - Sensitivity of thermal reactor studies to fission neutron and gamma spectra, 21:7915
  - Sensitivity of thermal reactor studies to fission neutron and gamma spectra, 22:30161 (WAPD-T-1950)
  - Space-correlated reactor fluctuations, 24:24910
  - Stability and stationarity of reactor, 23:37695
  - SUMOR (MO271): FORTRAN-IV program for CDC-6600, 24:5380 (WAPD-TM-810)
  - SUMOR: FORTRAN-IV program for Philco-2000, 22:11876 (WAPD-TM-518)
  - Variances and covariances of neutron and precursor populations in time-varying reactors, 22:18609
  - Variances and covariances of neutron and precursor populations in time-varying reactors, 23:15724
- HARRIS, D. W. Gamma photon albedo distributions for finite media, 25:5146
  - Method for semi-automatically generating NaI(Tl) spectrometer response function matrices, 24:39348
  - Numerical simulation of NaI(Tl) experimental response functions, 25:39730
  - Optimization of shields for protection of unmanned spacecraft scientific experiments, 25:5137
- HARRIS, Dale Bibliography on properties of selected radioisotopes. I, 23:530 (N-68-29959)
- HARRIS, Dale W. Bremsstrahlung from cylindrical beta sources, 25:39654
  - Interplanetary spacecraft: RTG radiation analysis, 25:4247
- HARRIS, Daniel E. Interplanetary scintillations. V, 24:10257
- HARRIS, Daniel H. Rotational velocities in NGC 2516, 24:8229
- HARRIS, David O. Determination of barriers to internal rotation, 24:38874
- HARRIS, Donald R. Perturbation transformation of nuclear cross-section parameters between Wigner—Eisenbud and Kapur—peierls formalisms, 24:22194 (LA-4327)
- HARRIS, Dorothy Thermal effects on nuclear weapons. Literature summaries, 21:34350 (AD-634204)
- HARRIS, E. G. Classical plasma phenomena from a quantum mechanical viewpoint, 24:10551
  - Containment in Tokamak and bumpy torus, 25:58961 (CONF-711016-1)
  - Damping of plasma oscillations in atoms, 25:30301
  - Explosive plasma instabilities, 23:39495 (ORNL-TM-2652)
  - Explosive plasma instabilities, 24:6569
  - Explosive plasma instabilities, 25:5109
  - Modified quasi-linear equations and the approach to thermal equilibrium, 21:13585
  - Plasmons and the linear and nonlinear two-stream instabilities, 25:43387
  - Quantum theory of an electron in a uniform time-dependent field, 25:38612
  - Quantum-mechanical theory of nonlinear plasma phenomena in a strong magnetic field, 22:13493
  - Velocity-anisotropy instabilities, 23:51695
  - Waves and instabilities in a finite plasma, 23:32531
- HARRIS, E. J. Decreased K$^+$ conductance produced by Ba^{2+} in frog sartorius fibers, 22:8461
  - Eradication of oriental fruit fly, 24:23417
  - Releasing sexually-sterilized Mediterranean fruit flies for controlling in North Africa, 25:24512
- HARRIS, E. P. Critical field of superconducting Al as a function of pressure and temperature above 0.3°K, 22:11382
- HARRIS, Edward G. Hydromagnetic stability of Bennett pinch, 25:27748
  - Plasma instabilities, 23:1496 (TID-24759)
  - Prog. rpt. on instabilities due to anisotropic velocity distributions, 9/66—6/67, 21:33483 (ORO-2598-1)
  - Stability of Tokamaks, 24:3388 (ORNL-TM-2766)
- HARRIS, Erik Preston Critical field of Al as a function of pressure and temperature above 0.3°K, 22:11394
  - Critical field of superconducting Al, 21:11553 (NP-16506)
- HARRIS, F. Proton polarization in $\Sigma^+ \to p\pi^0$, 24:12944
- HARRIS, F. E. Calculation of cross sections for electron—helium collisions, 23:16634
  - Expansion approach to low-energy electron—hydrogen atom scattering, 21:43758
- HARRIS, F. R. Hinkley point B: turbines and generators, 22:46970
  - Intensities of O$_2^+$ 1NG and N$_2$ 1PG band systems in normal and type-B aurorae, 25:3002
  - Latitude variation of radar aurora with local substorm activity, 24:32751
  - Nuclear wet-steam turbines, 25:3899
  - SGHWR: steam turbine for the 100 mw(e) prototype, 21:31956
  - Steam turbine and associated plant, 21:38618
- HARRIS, F. T. Equation for phase velocities in a partially ionized gas, 21:2221 (AD-632125)
- HARRIS, Frank E. Atomic hyperfine structure. I, 23:1800
  - Calculation of attractive He pair potential, 24:51395
  - Calculation of the electron affinity of boron, 22:31644
  - Expansion approach to scattering, 21:33779
  - Expansion technique for inelastic scattering, 23:27361
  - Integrals for electron-atom scattering calculations, 24:12653
  - Spin-optimized self-consistent-field wave functions, 23:32194
- HARRIS, Frank Richard Correlative study of radio aurora and auroral electrojet currents, 25:36006
- HARRIS, Frederick Allan Proton polarization in $\Sigma^+ \to p\pi^0$, 25:12084
- HARRIS, G. Further studies of antigen stimulation of deoxyribonucleic acid synthesis in rabbit spleen cell cultures. I, 22:51416
- HARRIS, G. B. Clifton Non-obstetric diagnostic radiology during pregnancy, 21:8818
- HARRIS, G. I. Isobaric analog state with 1f/sub 7/2/ configuration in ^{37}Cl, 21:19209
  - Second O$^+$, T = 1 level in ^{30}P, 21:42600
  - Study of the ^{36}S(p,γ)^{37}Cl reaction with bombarding energies in the 790-kev to 1820-kev range, 21:1067
- HARRIS, G. M. Acid-catalyzed isomerization reaction of trans-diaquodioxalatochromium(III) anions, 24:18960
  - Kinetics and mechanism of aquation of carbonato complexes of Cobalt(III). III The acid-catalyzed aquation of some carbonatobis(diamine)cobalt (III) complexes, 24:29266
  - Thermal and neutron irradiation effects on racemization of d-K$_3$Cr(C$_2$O$_4$)$_3$.2H$_2$O, 24:239
- HARRIS, Gale I. Elastic and inelastic proton scattering on ^{29}Si, 24:40597
  - Gamma-ray angular correlation studies, 24:28747
  - Investigation of excited states of ^{31}P with the ^{30}Si(p,γ)^{31}P reaction, 21:46701
  - Isobaric spin: influence on research in nuclear physics with small accelerators, 22:9927
  - M2 and E3 transitions in the range 33 less than or equal to A less than or equal to 41, 24:43256
  - Negative parity states in ^{30}P, 24:43257
  - Phosphorus-30 levels from the reaction ^{29}Si(p,γ)^{30}P. II, 24:15846
  - Properties of ^{30}P levels from the ^{29}Si(p,γ)^{30}P reaction. I, 21:31754
  - Properties of ^{34}Cl levels from the ^{33}S(p,γ)^{34}Cl reaction, 24:18403
  - Properties of ^{37}Cl levels, 24:52531
  - Reaction ^{36}S(p,γ)^{37}Cl and properties of ^{37}Cl, 22:29963
  - Tables of coefficients for angular correlations of radiative transitions from aligned nuclei, 22:3788
- HARRIS, H. W. Theta-pinch experiments with helical equilibrium fields in a 5-meter toroidal sector and in a 3-meter linear device, 25:38480 (CONF-710607-116)
- HARRIS, Harold H. Collision-induced phenomena with a Dempster mass spectrometer, I, 21:43795
  - Collision-induced phenomena with a Dempster mass spectrometer. II, 21:43796
- HARRIS, Harriet Photoallergic contact dermatitis, 21:39352
  - Photoallergic contact dermatitis due to halogenated salicylanilides, 22:19361
- HARRIS, Harry Advances in human genetics. Volume 1, 25:21659
- HARRIS, Herbert Improvements in nuclear reactors, 21:30225
- HARRIS, Herbert H. Deficits in irradiation therapy for carcinoma of the larynx followed by surgery, 21:24461
- HARRIS, Hobart B. Log of Hydrologic Test Well 1, Tatum dome area, Lamar County, Mississippi. Dribble-6, 25:57562 (USGS-474-110)
  - Log of Hydrologic Test Well 2, Tatum dome area, Lamar County, Mississippi. Dribble-7, 25:57563 (USGS-474-111)
- HARRIS, Homer H. Postirradiation malignant neoplasms of the uterine fundus, 23:41488
- HARRIS, I. R. Alloys of Ce with Nd, Sm and Tb, and of Pr with Tb, 22:36491
  - Atomic diameter of the rare-earth metals in solid solutions, 22:4804
  - Binary equiatomic alloys of Zr with Fe, Co, and Ni, 24:25719
  - Constitution of some R.E.Pt$_3$ alloys, 22:19566
  - Crystal structures of rare earth metals, 23:16494
  - Effect of high pressures on the electrical conductivity of praseodymium and some preseodymium alloys, 23:42475 (AERE-R-5965)
  - Electrical conductivity of Pr and Pr alloys, 24:36916
  - Electronic state of cerium in some palladium alloys, 22:36494
  - Electronic state of Yb in some α—Pd—Yb alloys, 22:48165
  - Lattice spacings and atomic diameters in ternary systems Th and Ce with Y, La, Gd, and Er, and by Th, Pr, and Y, 21:31051
  - Lattice spacings and effective atomic diameters in the ternary system Th—Ce—Zr, 21:26840
  - Lattice spacings of some αPd—X solid solutions, 24:46745
  - Lattice spacings of Th-rich solid solutions with Pr, Sm, Gd, and Er, 21:3521
  - Lattice spacings, magnetic susceptibilities and ^{151}Eu Moessbauer spectra of some Pd—Eu alloys, 25:25258
  - Magnetic properties of Pd$_3$—rare earth phases, 25:47669

Magnetic susceptibilities and ^{119}Sn isomer shifts of some Pd—Sn alloys, 21:13635
New phase boundary for cerium, 24:26096
Palladium—In, Pt—In, and Pt—Fe alloys, 23:14357
Pressure-resistance of some Yb—Eu alloys, 24:17306
Rare-earth intermediate phases. IV, 21:6831
Rare-earth intermediate phases. V, 22:23822
Rare-earth intermediate phases. VI, 22:23821
Room-temperature lattice spacings of some intra rare earth binary systems, 21:3931
Structural and magnetic studies of pseudobinary compounds (Gd/sub 1-x/Nd/sub x/)Co$_2$, 25:47651
Superconductivity of CeCo$_2$, 22:7237
Superconductivity of phase CeCo$_3$ at zero and high pressure, 22:50096
HARRIS, J. Bowen's non-Newtonian turbulent correlation, 22:12532
Chemical separation of rutherfordium, 25:13088
Comparison of x-ray and beta ray techniques for measuring wood density, 23:29246
Defence of the Berkeley work on alpha-emitting isotopes of element 104, 25:25777
Design, construction, and early operating experience of the SLAC beam switchyard and experimental areas, 21:38110
Infrared spectra of stars, 1 to 2.5 μm, 25:38049
Positive identification of two alpha-particle-emitting isotopes of element 104, 23:40042
HARRIS, J. A. Conference on U in Australia, Rum Jungle, Northern Territory, Australia, 6/68, 23:40895
Treatment of Rum Jungle U ore, 25:2336
Treatment of Rum Jungle U ores, 23:40827
HARRIS, J. C. Elastic scattering of deuterons from ^{14}N between 1.8 to 5.5 MeV, 21:44591
Measurement of absolute total cross section for reaction ^{19}F(p,n)^{19}Ne, 22:41956
Precision measurements of half-lives of ^{19}Ne, ^{23}Mg, /sup 26m/Al, ^{27}Si, and ^{63}Zn, 22:41980
HARRIS, J. Donald Effects of x-radiation of the head upon hearing in the rat, 21:22322
HARRIS, J. E. Breakaway swelling in irradiated uranium, 22:28877
Inhibition of Nabarro—Herring creep by second-phase particles, 23:43979
Performance of fuel elements in Mk I Gas Cooled (Magnox) Reactors, 25:53903 (A/CONF.49/P-500)
HARRIS, J. F. Oxford PEPR status and future development, 23:16152 (CONF-680628-, pp 46-58)
Oxford PEPR system, 25:6572 (MIT-2098-660, pp 222-49)
Oxford PEPR system, 25:13239 (CERN-70-21(Vol.1), pp 61-88)
HARRIS, J. H. Microwave cavity studies of ionization decay in Cs vapor, 22:26371
HARRIS, J. L. Beam safety considerations at the stanford linear accelerator center, 24:45648 (CONF-691101-, pp 782-808)
HARRIS, J. M. Capsule impact testing, 24:25208 (AI-AEC-12922)
Large radioisotope heat source capsule program, 23:47709 (AI-AEC-12841)
HARRIS, J. Milton Magnitude of secondary α-deuterium isotope effects for limiting solvolyses, 25:39503
HARRIS, J. R. Endogenous non-protein sulphydryl and cellular radiosensitivity, 23:38491
HARRIS, J. S. Annealing of damage in ion implanted gallium arsenide, 25:27862
HARRIS, J. W. Binding of sulfhydryl reagents to normal and irradiated leucocyte lysosomes, 22:51406
Changes in peritoneal leukocytes of irradiated rats, 22:33913
Endogenous non-protein sulfhydryl and cellular radiosensitivity, 23:38747 (UCSF-10-P-2-75)
Non-protein sulfhydryl content of Ehrlich ascites tumor cells, 22:36162
Non-protein sulfhydryl of ascites tumor, 23:45872
Radiation and biological membranes, 22:19256
HARRIS, J. Y. Evaluation of clays as binding agents for reduction of radionuclides in milk, 24:7820
HARRIS, James New element hahnium, atomic number 105, 24:45791
HARRIS, James A. Radiation-initiated graft copolymerization of binary monomer mixtures containing acrylonitrile with cotton cellulose, 25:15655
HARRIS, Jay Mark Cross-section measurement of the thermal neutron (n,α) reaction in ^{32}S and ^{33}S, 21:19236
HARRIS, John E. Decontamination of scintillation counting vials, 23:43753
HARRIS, John H. Jr. Postradiation pericarditis with chronic pericardial effusion, 22:51973
HARRIS, John W. Early vascular permeability changes in whole-body x-irradiated rats, 22:49621
Factors influencing the apparent radiosensitivity and heat stability of isolated leukocyte lysosomes, 21:20400
Radiobiological and biochemical studies of thiophosphate radioprotective compounds related to cysteamine, 25:42525
HARRIS, John Wayne Early permeability changes in whole-body x-irradiated rats, 21:24366
HARRIS, K. D. Some aspects of laser safety, 24:732
HARRIS, K. Dillon Electronic engineering association guide to the safe use of lasers, 21:43384
HARRIS, K. K. Gravity waves in the F region, 23:10504
Influence of magnetic activity on the location of the plasmapause, 24:17780
Ion temperature and relative ion composition measurements from a low-altitude polar-orbiting satellite, 22:5227
Morphology of the bulge region of the plasmasphere, 24:39944
Observations of the plasmapause, 24:10438
Ogo 5 measurements of the plasmasphere during observations of stable auroral red arcs, 25:27622
Reaction of the plasmapause to varying magnetic activity, 24:42583
Spectrometer observations in region near the bow shock on March 12, 1968, 25:7226
Underside morphology of the F2 ionospheric layer, 24:37333
HARRIS, Kent K. OGO-V ion spectrometer, 23:45585
HARRIS, L. A. Analysis of materials by electron-excited Auger electrons, 22:21867
Angular dependences in electron-excited Auger emission, 23:30302
Characterization and behavior of alkalized alumina during sulfur dioxide sorption—regeneration process, 25:12901 (ORNL-TM-3210)
Crystal structure of La$_2$Be$_2$O$_5$, 22:37043
Monoclinic lanthanide oxyhydroxide: ErO(OH), 21:5843 (ORNL-P-1771)
Saturation in continuous channel electron multipliers, 25:42067
Some observations of surface segregation by Auger electron emission, 22:21866
Synthesis and x-ray study of single-crystal 3Al$_2$O$_3$.BeO, 24:34940
HARRIS, L. Jr. Experimental studies of unfolding, 25:39750
Experimental test of pulse-height spectrum unfolding, 25:4365
Fast-neutron and secondary gamma-ray transport in concrete, 24:6597
Fast-neutron spectra in water and graphite, 21:14027
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete, 24:32885
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete. I, 25:17253 (AD-711839)
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete. II, 25:17254 (AD-711840)
HARRIS, L. P. Structure of turbulent hydromagnetic channel flows, 22:41424
HARRIS, L. R. J. Distribution volumes of labeled red blood cells and labeled protein and F cells in intact and splenectomized HbA and HbB type sheep, 25:32320
HARRIS, Lawrence A. Secondary electron spectroscopy, 22:25665
HARRIS, Lawrence Jr. Measurement of fast neutron spectra in water and graphite, 22:26787
HARRIS, M. A. Persistence of x-ray-induced lethal sectoring in yeast, 22:40972
HARRIS, M. J. Decay of a thermalized neutron pulse in graphite, 23:39916
Experimental study of radiation-induced boiling in superheated liquids, 25:34798
Improvements to a pulsed neutron generator, 21:7608
Neutron thermalization measurements in graphite, 23:21219
Sub-critical measurements of buckling and migration area using spontaneous fission as the primary neutron source, 22:30334
HARRIS, N. A. Calculated gamma dose buildup near an air-ground interface, 25:40753
Moments method transport analysis for point isotropic gamma sources, 25:40743
Monte Carlo transport analysis for finite ground-distributed γ sources, 25:56260 (EGG-1183-2284)
HARRIS, N. D. Effects of the addition of manganese dioxide to media on the viability of bacteria damaged by x-rays, phenol, and radiomimetic agents, 21:24481
HARRIS, Norman Howard Solid state reactions forming (Pb,Sr) (Ti,Zr)O$_3$ solid solution, 22:45827
HARRIS, O. D. Calcium-47 studies in adult coeliac disease and other gastrointestinal conditions with particular reference to osteomalacia, 25:13359
HARRIS, P. Conjecture regarding quantized gravitational theory and elementary particles, 23:39834
HARRIS, P. F. Investigation of lymphocyte production in guinea pig bone marrow, 21:418
HARRIS, P. M. Scattering of thermal neutrons by liquid solutions of ortho- and paradeuterium, 22:18757
Structures of solid deuterium above and below the lambda transition as determined by neutron diffraction, 22:47132
HARRIS, Paul D. Aortic valve homografts sterilized by electron beam energy, 22:19465
HARRIS, R. Spiral ordering in hcp rare earth metals, 24:8538
HARRIS, R. A. Analysis of postulated maximum accidents for FFTF, 23:23953 (BNWL-760)
FTR control rod calculations, 24:11220 (BNWL-428)
Preliminary analysis of core meltdown transients in a fast test reactor, 22:32892
Preliminary analysis of postulated maximum accidents for FFTF, 23:31194 (BNWL-760(Suppl.1))
Preliminary safety studies for the NPTF, 22:7891 (BNWL-611)
HARRIS, R. D. Ionospheric E-region nighttime model, 25:49807
Solar tidal variations of sporadic E, 21:23106
HARRIS, R. E. Power tests with the UO$_2$—2 wt percent PuO$_2$ batch core in the PRTR, 22:6125
HARRIS, R. G. Double scattering of ^{3}He particles by C and Al, 25:14894
Elastic scattering of ^{3}He by tritium, 24:49700
Polarization in ^{3}He elastic scattering and the ^{3}He spin-orbit potential, 25:25657
Polarization of ^{3}He particles elastically scattered by ^{12}C nuclei, 24:13288
HARRIS, R. J. Oxidation of mild and low-alloy steels in CO$_2$ at 350 to 450°C, 24:10007
Oxidation of rimming steels in carbon dioxide atmospheres, 23:41546
Variability in CO$_2$ oxidation resistance of $2^1/_4$ Cr 1 Mo and 1 Cr $^1/_2$ Mo steels, 22:17074
HARRIS, R. J. Jr. Energy and width measurements of low-Z pionic x-ray transitions, 22:17375
Energy and width measurements of low-Z pionic x-ray transitions, 22:38720 (N-68-17409)
Low-energy photon transport in liquid nitrogen, 25:5148
Neutron and secondary gamma-ray measurements in liquid nitrogen, 24:6596
Neutron spectrum measurements in liquid nitrogen, 24:33095
Parametric model for efficiently calculating air transport of radiation, 25:40757
Resolution (500-volt) with a Si(Li) detector using a cooled FET preamplifier, 21:24213
HARRIS, R. K. UEAITR: computer program for analysis of NMR spectra, 24:47334
HARRIS, R. M. Optical-model analysis of nonreactive collisions of reactive molecules, 25:19497
HARRIS, R. W. Effects of neutron irradiation on internal friction in Na chloride single crystals, 25:35587
HARRIS, Richard Opacity calculations, 21:39795 (LA-3002(Suppl.2))
HARRIS, Richard A. Considerations of sodium conditions and molten—fuel/sodium interactions for fast reactor excursion calculations, 23:4284
HARRIS, Richard E. Current-induced flow of domains in the intermediate state of a superconductor, 25:25050
Frequency-dependent complex conductivity of superconducting Hg, 24:42639
Transmission of far-infrared radiation through superconducting Bi and Ga, 24:15242
HARRIS, Richard Elgin Transmission of far-infrared radiation through films of superconducting amorphous Bi and Ga, 25:5059
HARRIS, Robert W. Calculations for a low density plasma impedance bridge, 21:22199 (SC-RR-67-190)
Direct measurement of mass pickup in a low-energy theta pinch, 22:1188 (LA-3770, Paper D6)
Direct measurement of mass pickup in a low-energy theta pinch, 22:9343
Measurements with a radio-frequency plasma impedance bridge, 22:19948 (SC-RR-68-30)
Plasma conductivity and temperature in a theta pinch, 21:7199
HARRIS, Ronald L. Thiabenzenes. III. Synthesis and properties of thiabenzene 1-oxides, 25:39501
HARRIS, S. Alpha particles emitted by ^{241}Am sources, 24:29445
Design and operation of fast 2π gas-flow counter for alpha particles, 24:4425
HARRIS, S. D. Nozzle stall in Savannah River reactors, 25:48326 (DP-1258)
HARRIS, S. Dyer Computer program for correlation and spectral analysis of reactor flow data, 25:20710 (DP-1244)
HARRIS, S. J. Energy straggling of alpha particles in thick absorbers, 25:38531
HARRIS, Samuel M. Mariscotti description of ground state bands of even—even nuclei, 25:56813 (COO-1746-57)
Quantum-mechanical model of Moessbauer line narrowing, 22:1352
Two-nucleon transfer reactions, 24:24628
HARRIS, Saul J. Zoning and nuclear facility siting, 21:7970
HARRIS, Simon J. Solvent isotope effect on the dissociation of aquopentaamminecobalt(III) ion, 22:27659
HARRIS, T. J. Pulse shape discrimination in proportional counters, 25:8516
HARRIS, T. N. Effect of appendectomy and of thymectomy, with x irradiation, 21:16453
Precursor cells in density fractions of lymph node cells: relation to antibody-producing cells, 25:16052
HARRIS, Thomas W. Use of ionizing radiation in Florida, 23:24674
HARRIS, Virgil A. Craters formed by row charges in the vertical face of a 90-degree wedge, 21:8490 (SC-RR-66-477)
Explosion craters with flat slopes in alluvium using two-pass triple rows, 24:11713 (SC-RR-69-158)
HARRIS, W. C. Infrared and Raman spectra of substituted hydrazines. I, 23:13710
Infrared and raman spectra of substituted hydrazines. II, 24:9297
Vibrational spectra and structure of small-ring compounds. XII, 23:28806
HARRIS, W. E. Amperometric titration of small amounts of aluminum, 24:9
Determination of thorium, 23:40566
Theoretical-slope method of end point detection, 22:37685
HARRIS, W. F. Ecological aspects of responses of Liriodendron tulipifera L. and Acer saccharinum L. to fast neutron radiation and reduced light, 25:6636 (ORNL-4610)
Responses of plants to ionizing radiation, 24:39462 (ORNL-4446, pp 66-75)
Zirconium and hafnium, 22:8691
HARRIS, W. G. Determination of K in solids and liquids by measurement of the gamma activity of naturally radioactive ^{40}K, 21:8205
HARRIS, W. R. Beta decay of ^{13}B, 24:13299
Beta decay of ^{14}N to 6.05-MeV state of ^{14}O, 23:7235
Beta decay of ^{21}F, 24:24525
Beta decay of ^{29}Al, 24:15847
Decay scheme of ^{28}Mg, 24:10962
Elastic scattering of 1- to 2.7-MeV protons by ^{14}C, 22:41959
Levels in ^{33}P, 24:52523
Levels of ^{34}S from ^{32}S(t,p)^{34}S, 25:43869
Lifetime of the first excited state of ^{11}Be, 25:43820
Nuclear structure of ^{22}Na. VI, 24:38164
HARRIS, W. W. Cytofluorograph system, 25:57249 (ORNL-TM-3536)
HARRIS, Warren W. Focal programs for models 1 and 3 GeMSAEC, 25:34467 (ORNL-TM-3279)
HARRIS, William C. Torsional vibrations in isobutylene, isobutylene-d$_6$, and isobutylene-d$_8$, 25:31929
HARRIS, William E. Differential rotation in stars on the upper main sequence. II, 25:40210
HARRIS, William H. Restraint device for scanning dogs, 25:4654 (CONF-700515-, pp 424-7)

- HARRIS, William Roland Elastic scattering of protons by ^{14}C, 22:41975
- HARRIS III, William Franklin Ecological aspects of responses of Liriodendron tulipifera L. and Acer saccharinum L. to fast neutron radiation and reduced light, 25:27076
- HARRIS-LOWE, R. F. Flow-rate transitions in He-II film, 25:40512
  - Thermal expansion of liquid He II, 23:5344
  - Thermal expansion of liquid helium II, 24:39997
- HARRIS-LOWE, Rodney Frederic Brandon Helium film transfer 0.4°K to the lambda point, 21:18610
- HARRISON, A. G. Concurrent ion—molecule reactions. V, 22:33335
  - Concurrent ion-molecule reactions. III, 21:25844
  - Concurrent ion-molecule reactions. IV, 22:25347
  - Hydrogen abstraction from methyl formate by methyl radicals, 25:29054
- HARRISON, A. W. Altitude profile of airglow hydroxyl emission, 25:3001
  - Auroral spectrum between 1.02 and 1.13 μ, 23:27475
  - Behavior of hydroxyl emission during aurora, 24:17816
  - Characteristics of an alpha particle positive point to plane corona-streamer counter in air, 21:1574
  - Helium emission (1.083 μ) in sunlit aurora, 23:42075
  - Intermediate atomic and nuclear physics, 21:29027
  - Night airglow hydroxyl rotational temperatures, 24:45160
  - Night airglow spectrum at 1.02 to 1.13 μ, 23:18508
  - Study of (4-1) and (5-2) hydroxyl bands in night airglow, 25:58902
  - Twilight He (1.083) emission, 23:46393
- HARRISON, Alex Determination of Al and Cl by activation analysis, 23:43277
- HARRISON, B. H. Surface complexes on carbon. I, 25:32825
  - Use of partial-pressure mass spectrometry in the study of the thermal desorption and oxidation of carbon and graphite, 25:32769
- HARRISON, B. K. Simplified equations for relativistic rotating perfect fluids with axial symmetry, 24:37919
- HARRISON, C. G. A. Evolutionary processes and reversals of the Earth's magnetic field, 22:13325
- HARRISON, C. Jr. Argonne Code Center: bibliographies of computer program literature, 24:52989 (ANL-7684)
- HARRISON, Charles W. Jr. Antennas and waves: modern approach, 24:26904
  - Approximate scattering cross section of electrically large, radially inhomogeneous sphere, 24:17983 (SC-DC-69-1720)
  - Attenuation of a plane-wave electromagnetic field by an imperfectly conducting prolate spheroidal shell, 21:815 (SC-R-66-966)
  - Excitation of internal circuitry by the propagation of an electromagnetic field through a transverse slot in a missile skin, 25:18308 (SC-R-70-4339)
  - Exposed two-wire transmission line electromagnetically coupled to a rocket, 25:41667 (SC-R-713258)
  - Generalized theory of impedance loaded multiconductor transmission lines in an incident field, 25:54382 (SC-R-713303)
  - Inhomogeneous plasmas: on reflection and transmission of fields of arbitrary polarization, 25:36228
  - Integral for obtaining exactly the electromagnetic field transmitted through a plasma slab having specified electron density-collision frequency profiles, 24:3417 (SC-R-69-1369)
  - Precise admittance of a monopole, 24:7387 (SC-R-68-1888-A)
  - Radar pulse scattering from ionized media, 24:3241
  - Radar pulse scattering from nonhomogeneous ionized media, 23:9594 (SC-R-68-1874)
  - Reflection and transmission characteristics of a plasma slab having arbitrary electron density and collision frequency profiles using the method of invariant imbedding, 24:3416 (SC-R-69-1368)
  - Reflection coefficient of a plasma profile of exponentially tapered electron density, 23:16811 (SC-R-68-3907)
  - Reflection coefficient of plasma profile, 23:44473
  - Response of a terminated two-wire line buried in the earth and excited by a plane-wave rf field generated in free space, 21:32062 (SC-DC-67-1782)
  - Scattering by imperfectly conducting spheres, 24:49278 (SC-R-70-4277)
  - Scattering from imperfectly conducting spheres: theoretical considerations, 22:26382 (SC-R-68-1691)
  - Scattering from imperfectly conducting spheres: numerical results, 22:26383 (SC-R-68-1692)
  - Tables for the square root of complex numbers, 21:23801 (SC-R-67-1052)
  - Theory of annular slot antenna, 24:38685 (SC-R-70-4281)
  - Transmission line coupled to a cylinder in an incident field, 25:37228 (SC-R-713250)
- HARRISON, Christopher G. A. Underground nuclear explosions and the control of earthquakes, 23:49979
- HARRISON, D. Control and instrumentation of the PFR, 22:18507
  - Electrical surges, transients, and interference in nuclear reactor environments, 25:39144 (IAEA-119, 4p.)
- HARRISON, D. A. Method of explosion venting a building, 23:2644 (RHEL/R-168)
- HARRISON, D. E. Jr. Computer simulation of sputtering, 22:41341
  - Computer studies of xenon-ion ranges in a finite-temperature tungsten lattice, 21:37585
- HARRISON, D. J. Vidicon system for digitalizing flash tube information, 24:11812
- HARRISON, Don E. Jr. Periodicity in energy loss of a well-channeled ion with respect to its nuclear charge, 23:10707
- HARRISON, Donald Electrical comparison circuits, 21:45487
  - Improvements in or relating to nuclear radiation flux measuring apparatus, 22:16890
  - Nuclear flux measuring apparatus employing current flucutations from neutron detectors, 23:19965
- HARRISON, Dwight Harwood Effects of gamma radiation on bubble nucleation and nucleate pool boiling heat transfer, 23:9643
- HARRISON, E. Measurements of Na level in PFR, 25:25978
  - Sodium flow monitoring, 25:12792
  - Sodium pump instrumentation, 25:23925
- HARRISON, E. R. Alternating gradient electrostatic beam deflector, 22:15870 (AERE-GP/R-2379)
  - Baryon inhomogeneity in the early universe, 22:22334
  - Bouncing-core theory of pulsars, 24:10263
  - Classification of uniform cosmological models, 22:8883
  - Comments on the big-bang, 25:942
  - Fluctuations at the threshold of classical cosmology, 24:37168
  - Generation of galactic magnetic fields, 23:30283
  - Generation of magnetic fields in the primordial fireball, 24:10357
  - Generation of magnetic fields in the radiation era, 24:23718
  - Improved Friedmann models, 22:47726
  - Matter, antimatter, and the origin of galaxies, 21:29559
  - Nonsingular origin of the universe, 21:36973 (N-67-18193)
  - Normal modes of vibrations of the Universe, 22:902
  - Origin of galaxies, 23:12499
  - Origin of structure in certain models of the universe, 21:31155
  - Quantum cosmology, 21:33033
  - Radiation catastrophe, 24:12620
  - Spirals made simple, 25:11645
  - Universal cosmic rays and the matter—antimatter universe, 23:36548
  - Variations in the primeval helium abundance, 23:20649
- HARRISON, Edward R. Early Universe, 22:34218
  - Outward drift of the interstellar medium in disk of Galaxy, 25:58649
- HARRISON, Edwin Position indicating devices, 22:12512
- HARRISON, F. Fate and importance of radionuclides produced in plowshare events, 23:29476 (UCRL-71443)
- HARRISON, Florence L. Accumulation and distribution of ^{54}Mn and ^{65}Zn in freshwater clams, 23:17895 (CONF-670503-, pp 198-220)
  - Biological implications of nuclear debris in aquatic ecosystems, 25:39808
  - Concentration factors: their use and abuse, 22:17002 (UCRL-50347)
  - Radioactive debris from underground nuclear explosions, 23:41306 (UCRL-50596)
  - Some effects of nuclear detonations on aquatic ecosystems, 25:4479
  - Studies in aquatic biology, 24:655 (UCRL-50718, pp 65-9)
- HARRISON, G. E. Absorption of Sr in children, 25:24211
  - Absorption of Sr in rats, 23:24542
  - Dietary phosphorus supplementation on the uptake of radioactive Sr in rats, 21:16266
  - Distribution of radioactive Ca, Sr, Ba, and Ra following injection into man, 22:36213
  - Effect of alginate on the absorption of lead in man, 24:34068
  - Excretion and retention of stable strontium in children, 25:29442
  - Experimental limit on the proton electric dipole moment, 23:32604
  - Ratio of fecal to urinary clearance of Sr in man, 21:45560
  - Reduction in absorption of strontium by alginate, 23:17928
  - Reduction of the absorption and retention of strontium in rats, 21:39434
  - Retention of radium in man, 23:41214
  - Uptake and elution of ^{45}Ca, ^{85}Sr, ^{133}Ba, and ^{223}Ra in bone powder, 22:8455
- HARRISON, G. M. Application of neutron activation analysis to the sweat test diagnosis of cystic fibrosis, 24:11467
  - Sampling methodology in automated neutron activation analysis, 24:120
- HARRISON, George R. MIT wavelength tables. Second edition, 24:39828
- HARRISON, George W. Jr. Some effects of macrofractionated gamma ray irradiation upon the rhesus primate, 21:20369
- HARRISON, H. F. A. Highly stripped ions in laser sources, 25:27723 (WASH-1159, pp 162-7)
- HARRISON, Halstead Chilled collimator for high intensity molecular beams, 21:14976
- HARRISON, J. D. Analysis of non-propagating fatigue cracks, 24:19449
- HARRISON, J. D. L. Experiments on preparation and fabrication of UC and (UPu)C, 21:32958
  - Factors affecting the hardness of uranium mononitride at elevated temperatures, 25:11498
  - Preparation and characterization of sintered UO_2—PuO_2, 24:44772
  - Preparation and sintering behaviour of UN, 24:27820
- HARRISON, J. E. Body burdens of ^{137}Cs in Toronto in 1964—67, 22:8532
- HARRISON, J. L. Compatibility of Cu with Ta—10 wt. percent W alloy at elevated temperatures, 25:2720
- HARRISON, J. P. Cryostat for the measurement of thermal conductivity and specific heat between 0.05 and 2°K, 22:13384
  - Thermal conductivity of KCl:Li, 23:27710
- HARRISON, J. R. Safety of nuclear power plants, 25:53941 (A/CONF.49/P-474)
- HARRISON, J. W. Bubble nucleation in U metal, 23:36165
  - Extrapolated equation of state for xenon, 23:27204
  - Growth of gas bubbles in a stressed medium and the application to stress enhanced swelling in alpha uranium, 21:45974
  - Growth of gas bubbles in stressed medium and application to alpha uranium, 23:46100
  - Irradiation-induced swelling of uranium carbide, 23:22615
  - Variation of solid fission product and gas swelling in uranium compounds with thermal neutron dose rate, 22:38592
- HARRISON, Joan Measurements of ^{47}Ca and ^{85}Sr in human subjects, 21:6415
- HARRISON, Joan E. Pu—Be sources in in vivo neutron activation analysis, 25:39450
  - Radioactivity hazards in laboratory techniques, 23:50551 (PHS-999-RH-33, pp 78-86)
  - Thorium body burdens in humans following Thorotrast myelography, 23:10103
- HARRISON, John David Lawrence Improvements in or relating to sintering, 22:742
  - Improvements in or relating to the production of carbides for nuclear fuel material, 21:13250
  - Method of producing dense, sintered bodies of UO_2 of UO_2-PuO_2 mixtures, 22:28914
  - Sintering refractory materials, 22:745
- HARRISON, John L. Computer program for computing ion saturation currents from plasma of uniform density, 21:37095 (MATT-551)
  - Program for computing ion-saturation currents from plasma, 22:41585
- HARRISON, K. G. Auto-ionization of He atoms after passage through thin C foils, 25:45298
- HARRISON, K. T. The kinetics of the oxidation of irradiated uranium dioxide spheres in dry air, 21:46030
- HARRISON, L. I. Separation of Cs and Rb by ferrocyanides of Cu, Zn, and Zr, 24:27181 (ANL-7615, pp 18-25)
- HARRISON, L. J. Photographic studies of UO_2 pellet fuel in water subjected to nuclear transients, 21:38733
  - Surveillance and evaluation of the EBR-II flow-monitoring system. EBR-II Project, 24:50094 (ANL-EBR-18)
  - Transient irradiation experiments with vibrationally compacted UO_2 fuel rods in TREAT, 22:32984
  - Transient irradiation experiments with vibrationally compacted UO_2 fuel rods, 22:41124 (BNWL-SA-1674)
- HARRISON, L. M. Monte Carlo and S/sub n/ calculations of efficiency of ^{6}Li loaded glass detectors, 22:319
  - Monte Carlo studies of scintillator efficiencies and scatter corrections for (n,2n) cross section measurements, 22:14788
- HARRISON, Lawrence J. Behavior of Zircaloy-clad UO_2 fuel during nuclear transients in TREAT, 24:7190
  - Fuel failure behavior during in-pile meltdown tests, 24:18708 (CONF-690910-, pp 378-400)
  - Heat transfer from an Al/U fuel plate, 23:37545
  - Study of transient heat transfer from a water-immersed aluminum fuel-plate sample in treat, 23:47690 (ANL-7563)
- HARRISON, M. D. Electron density distributions in D region during night and pre-sunrise period, 24:17837
- HARRISON, M. F. A. Charge exchange cross section in He^+—H^- collisions, 24:45041
  - Cross section for charge exchange in H^+—H^- collisions, 24:17678
  - Cross section for proton production in collisions between electrons and H_2^+ ions, 22:8996
  - Cross sections for electron-impact ionization of multi-electron ions. II, 25:58769
  - Cross sections for electron-impact ionization of multi-electron ions. I, 25:58774
  - Measurement of the cross section for detachment of electrons from H^- by electron impact, 21:39813
- HARRISON, Malcolm C. Set comparison using hashing techniques, 24:50284 (NYO-1480-155)
- HARRISON, Malcolm G. BALM: extendable list-processing language, 23:37855 (NYO-1480-118)
- HARRISON, Michael J. Method for measuring mineralization in lake sediments, 25:32321
- HARRISON, Michael T. Iodine balance in man, 23:2779
  - Treatment of thyrotoxicosis with ionising radiation, 23:16347
- HARRISON, N. T. Cumulative radiation dose records, 23:33732
- HARRISON, P. E. Characterization of materials by qualitative neutron activation analysis, 24:2150 (SC-RR-69-568)
  - Neutron activation study of small particle ablation, 24:9607
- HARRISON, R. SPECS, a versatile space-qualified detector of charged particles, 21:34483
- HARRISON, R. G. Anti-inflammatory effect of benzydamine, 25:26806
  - Destruction and recovery of radiosensitive tissues, 21:8959
  - Effect of x rays on enzymes of the mouse testes, 25:49287
  - Effect of x-rays on the vascularization of the mouse testis, 25:29653
  - Effects of temperature on skin radiation reaction, 22:43463
  - Effects of wavelength on biological effects, 24:44594
  - Enzymic processes in vascular permeability and fragility changes in the skin radiation reaction, 22:28559
- HARRISON, R. W. Carbon mass transfer in multimetallic systems containing potassium, 22:12968
  - Compatibility of refractory metals with liquid metals, 23:18189
  - Contamination of Ta and Ta alloys, 24:952
  - Corrosion resistance of tantalum, T-111, and Nb—1Zr to Hg at 1200 F, 25:55377 (N-71-26947)
  - Prog. rpt. on advanced refractory alloy corrosion loop program, 7—10/66, 21:20474 (NASA-CR-72177)
  - Prog. rpt. on advanced refractory alloy corrosion loop program, 10/66—1/67, 21:32825 (NASA-CR-72230)
  - Prog. rpt. on advanced refractory alloy corrosion loop program, 1/15—4/15/69, 23:48323 (N-69-32032)
  - Prog. rpt. on alkali metal corrosion, 9/26/65, 21:20471 (NASA-CR-54844)
  - Program to calculate the phase space acceptance of beam handling system, 23:49243 (TRI-68-7)

SNAP-8 refractory boiler development, 25:60138 (N-71-19497)
Stabilization of C and N in stainless steel, 21:31086 (NASA-CR-806)
HARRISON, Raymond Studies of influence of wavelength on biological effects, 25:13583
HARRISON, Robert W. Corrosion of oxygen contaminated tantalum in NaK, 25:2623
Effects of welding atmosphere purity on the lithium corrosion resistance of refractory alloys, 25:2625
HARRISON, S. Solar cell integral coverslips, 23:7924
HARRISON, V. A. W. Comparative strengths of polytetrafluoroethylene and polychlorotrifluoroethylene under nuclear radiation, 22:12372
HARRISON, V. F. Proposed method, using bacteria, for continuous leaching of U ore, 23:339 (CONF-680426-2)
Proposed method, using bacteria, for continuous leaching of a U ore, 23:17533
HARRISON, W. A. Force on an electron near a metal in a gravitational field, 23:32827
Magnetic breakdown at intermediate fields, 22:29539 (64-RL-3754-M)
HARRISON, W. C. Analysis of the decay of rho$^-$ mesons produced in π^-p interactions at 2.26 GeV/c, 22:46341
Negative pion—proton elastic scattering at 2.26 GeV/c, 21:18918
Pi$^-$p elastic scattering at 2.26 GeV/c, 22:50302
Resonant structure in π^-eta system from reaction $\pi^-p \rightarrow \pi^-$peta at 2.26 GeV/c, 23:7098
Single-pion production in π^-p interactions at 2.26 GeV/c, 24:3530
Study of I = 1 reaction $K^-n \rightarrow \Sigma^{+-}\pi^{-+}\pi^-$ from 1585 to 1735 MeV, 25:25322
T = 2 pion—pion scattering, 23:18808
Transient boiling of water at atmospheric pressure, 21:43162
HARRISON, W. Craig Fusion reactions in self-colliding orbits, 25:59078
HARRISON, W. D. Capture gamma rays from ^{3}He plus ^{3}He, 22:26823
Radiative capture of ^{3}He by ^{3}He, 21:38212 (AD-654739)
Radiative capture of ^{3}He by ^{3}He, 21:40370
Study of ^{3}He + ^{3}He elastic scattering and the nucleus ^{6}Be, 24:38084
HARRISON, W. W. Activation analysis and spark source mass spectrometry for forensic applications, 24:137
Comparisons of neutron activation analysis and spark source mass spectrometry, 23:47401 (CONF-691010-1)
NAA and SSMS for forensic uses, 25:39459
HARRISON, William Craig Partial wave analysis of reaction $K^-n \rightarrow \Sigma^-\pi^+\pi^-$ from 1.62 to 1.74 GeV, 25:14557 (FSU-HEP-70-3-1)
Partial wave analysis of reaction $K^-n \rightarrow \Sigma^-\pi^+\pi^-$ from 1.62 to 1.74 GeV, 25:14717
HARRISON, William D. Structure of ^{7}Be: the ^{6}Li(p,p')^{6}Li reaction, 21:7704
Structure of ^{7}Be: the ^{6}Li(p,p'')^{6}Li** and ^{4}He(^{3}He,p'')^{6}Li** reactions, 21:7703
T = 2 multiplet in nuclei of mass 10, 23:1792 (COO-1265-57)
HARRISON, William Douglas Study of the compound nucleus ^{7}Be, 21:17315
HARRISON, William L. Project TANK TRAP: field evaluation of nuclear terrain barriers, 24:7543 (AD-693817)
HARRISS, Donald K. Series solutions and rotationless states of the vibrating hydrogen molecule ion, 21:8272
HARRISS, E. B. Effect of nitrogen mustard on the haemopoietic stem cells of the bone marrow in the rat, 23:10074
Effects of radiation on erythropoiesis, 25:44896
Radiation effects in pregnant rats, 24:23316 (CONF-690501-, pp 263-82)
HARRISS, Eileen B. Treatment of chronic lymphatic leukemia by extracorporeal irradiation, 23:38718
HARRISS, Robert C. Mechanisms of iodine injection from the sea surface, 25:26380 (CONF-700601-, pp 319-24)
HARRIS-SMITH, Robbin Apparatus for carrying out processes in a controlled environment, 25:34855
HARRITY, J. W. Prog. rpt. on radiation effects on Si solar cells, 5/16—10/15/63, 21:12739 (N-66-24989)
Scaling laws for ionization effects in insulators, 23:17885
Short-term annealing in p-type silicon, 25:21500
HARRITY, John W. Range of secondary electrons in sapphire, 25:22618
HARROD, D. L. Diffusion in plastic deformation of transition metal carbides, 23:6733
Fracture toughness of beryllium, 21:45891 (WANL-TME-1610)
Fracture toughness of beryllium, 24:14818
Fracture toughness of neutron irradiated beryllium, 24:39668 (WANL-TME-1656)
High temperature creep and fracture behavior of the refractory metals, 23:18223
Strengthening effects in Ta—W—Hf alloys, 23:48416
HARROD, Donald Lee Deformation of indium, 25:13698
HARROD, J. F. Window seals for ultrahigh vacuum use, 21:34431
HARROD, R. A. Design of low cost fire shield for small and large radioisotope shipping containers, 25:48820 (CONF-710801-(Vol.1), pp 227-61)
Design of low-cost fire shields for small and large radioisotope shipping containers, 25:51824
HARROP, J. Experimental study of the rigidity of perforated plates, 21:21808
Rigidity of perforated plates with reinforced holes, 21:23753
Stresses and deflections in circular plates with square pitch perforations, 22:14618
HARROP, P. J. Dielectric constant of zirconia, 21:34969
Effect of Ne bombardment on the corrosion of Zr, 21:24818
Embrittlement of oxide films on zirconium by neutron irradiation, 21:24817
Influence of neutron irradiation on ionic mobility in cubic zirconia, 21:26927
Radiation damage in zirconia, 21:43679
Self-diffusion in simple oxides, 22:21763
HARROWELL, R. V. Feasibility of a power transformer with superconducting windings, 24:12762
Possible advance in thermionic conversion, 25:52708
Working with superconduction, 23:51576
HARROWELL, Raymond Vivian Improvements in or relating to air preheaters, 22:15393
Magnetohydrodynamic electric power generating apparatus, 22:47872
HARRY, Harold W. Uptake of ^{65}Zn, ^{115}Cd, and ^{64}Cu by freshwater snail, 22:4581
Uptake of heavy metal ions by T. glabratus, 22:4585
HARRY, K. P. Total β activity in teeth of cattle of various age groups, 21:6531
HARRY, R. J. S. Ge(Li) radiation detectors, 24:44300
Non-destructive burn-up determination by 145-keV gamma-ray absorption, 25:21322
HARSHA, K. S. Sree Crystal structure of a Sm—Zn compound with approximate composition SmZn$_{11}$, 24:34917
HARSHBARGER, F. Engineering the baseball magnet system, 25:36200 (UCRL-73067)
HARSHBARGER, John C. Effects of x irradiation on larvae of Galleria mellonella, 21:11098
HARSHMAN, E. N. Genetic implications of some elements associated with uranium deposits, Shirley Basin, Wyoming, 22:27929
Uraninite-bearing contact metamorphic deposits, Heaths Peak, Carbon County, Wyoming, 25:8379
Uranium ore rolls in United States, 25:18545
HARSHMAN, J. H. Lightweight 50 kG superconducting magnet system for optical research instrumentation, 21:14510
HARSTAD, D. N. Modeling for SCEPTRE circuit analysis program, 24:13704 (SC-DR-69-760)
HARSTAD, David N. Operational amplifier models for computer-aided circuit analysis, 25:60289 (SC-RR-710628)
User's manual for ASCII/EIA (GERBER) program, 25:48411 (SC-M-710487)
HARSTAD, J. Bruce Penetration of submicron T1 bacteriophage aerosols and bacterial aerosols through commercial air filters, 21:30575 (CONF-660904-Vol.1 and 2, pp 701-13)
HARSTAD, K. G. Radiant energy losses in nonequilibrium plasmas, 23:42320
Transport equations for gases and plasmas, 23:20913 (N-68-36317)
HARSTAD, Kenneth Gunder Steady laminar compressible magnetofluiddynamic gas flows in channels, 22:2909
HART, A. Resonance capture calculations for gas-cooled reactors, 21:1116
HART, A. B. MHD plant, combustion techniques, and seeding. XVII, 22:5200
Some aspects of chemistry of MHD seed, 21:37242
HART, Arlene Radioimmunoassay of human plasminogen and plasmin, 23:41194
HART, C. J. Manufacture of vacuum vessels for the NINA synchrotron, 21:15444
HART, C. R. Oxygen and H isotope effects in reaction of 2,4-dinitrophenyl phenyl ether with piperidine, 21:3028
HART, Clint E. Controls analysis of nuclear rocket engine at power range operating conditions, 21:44924 (N-67-25841)
Frequency response and transfer functions of a nuclear rocket engine system, 21:27791 (NASA-TN-D-3979)
HART, D. A. Tonks—Dattner resonances in rare-gas plasmas, 24:1462
Use of Langmuir probes in low-pressure rare gas plasmas, 22:26367
HART, D. M. Applications of rare earth tracers to gunpowder residues, 24:2165
Applications of rare-earth tracers to gunpowder residues, 22:30453
Effect of radium treatment on vaginal fluid, 24:21083
HART, David Frederick Improvements in or relating to nuclear reactor fuel elements, 21:5665
HART, David J. Dynamic sterochemistry: a comparator for electron impact and pyrolytic elimination of acetic acid from acetates, 24:31332
HART, Deryl Air-route of spread of pathogenic bacteria in operating room, 23:5064
HART, E. $K^-p \rightarrow \Sigma^{+-}\ \pi^{+-}(\pi^0)$ from 594 to 820 MeV/c, 24:3548
HART, E. J. Activation energy of hydrated electron + water reaction and ultra-violet absorption spectrum of hydrated electron, 22:12308
Hydrated electron, its discovery, its spectrum, and its uses, 23:35155
HART, E. L. Prog. rpt. on high-energy physics, 3/70, 24:21938 (TID-25359)
HART, Edward L. Direct production of electron pairs in nuclear emulsion by 13.75-GeV electrons, 25:45640
HART, Edwin J. Absorption spectrum of e/sub aq/$^-$ in the temperature range -4 to 390°, 25:54658
Compact apparatus for photogeneration of hydrated electrons, 23:47515
Device for producing and monitoring hydrated electrons, 25:18854
Dosimetry of pulsed x-ray beams, 23:47853
Electron pulse radiolysis of aqueous tetrachloro and tetracyano complexes of Pt(II), 23:21739
Hydrated electron, 21:15961
Hydrated electron, 24:16584
Method of quantitative analysis of reducible substances with hydrated electrons, 23:15818
Oxygen formation in the γ-ray irradiation of Fe^{2+}—Cu^{2+} solutions, 25:29141
Primary radical yields and some rate constants in heavy water, 22:25379
Primary radical yields in pulse-irradiated alkaline aqueous solution, 22:36205
Pulse radiolysis of aqueous solutions of Co cyanide complexes, 24:9355
Pulse radiolysis of Au in aqueous solutions, 23:47510
Rate constants of hydrated electron, hydrogen atom, and hydroxyl radical reactions with benzene, 1,3-cyclohexadiene, 1,4-cyclohexadiene, and cyclohexene, 24:38942
Reaction of deuterated electron, e/sub d/$^-$, with e/sub d/$^-$, D, OD, and D$_2$O, 22:16630
Reactions of the hydrated electron with organic compounds, 25:54631 (CONF-700652-(Vol.3), pp 601-48)
Reactivity of hydrated electrons toward inorganic compounds, 23:47503
Reduction of benzene by hydrated electrons in γ-ray irradiated alkaline solutions, 23:37989
HART, F. A. Crystal and molecular structure of tetranitratobis(triphenylphosphine oxide)cerium(IV), 25:15636
Far infra-red spectra of some uranyl complexes, 22:16559
Lanthanide complexes. IX, 23:35070
Lanthanide complexes. V, 22:21060
HART, F. X. Air ion apparatus, 22:43165
HART, G. D. In-flight coolant management considerations for the NERVA reactor cooldown, 25:54229
HART, G. E. Differential colorimetry for nuclear process streams, 22:25241 (RFP-665)
Protein and enzyme variation in induced mutants of tobacco, 22:31017 (BNL-10549)
HART, Gary Enrico Fermi nuclear power plant dynamic response during blasting, 24:33199
HART, Gene D. In-flight coolant management considerations for NERVA reactor cooldown, 25:6132
HART, H. P. Production of high-purity U at South African gold mine, 22:18894
Prog. rpt. on extraction metallurgy, 12/65, 21:24081 (PEL-121(Vol.3))
Pulse columns in U refining, 21:24082 (PEL-121(Vol.3), pp 222-33)
Solvent extraction of crude U concentrate by TBP, 21:24083 (PEL-121(Vol.3), pp 234-43)
HART, H. R. Use of ferromagnetic materials in stabilizing high-field superconducting magnets, 24:51570
HART, H. R. Jr. Apollo helmet dosimetry experiments, 25:42160 (N-71-14602)
Deep sea search for multiply-charged magnetic poles, 24:40326
Magnetic monopoles in deep ocean deposits, 24:3495
Particle track studies of lunar material, 24:21541
Particle-track identification: application of a new technique to Apollo helmets, 25:9255
Prog. rpt. on radiation effects, final, 8/68—7/69, 24:30123 (N-70-11065)
Sea-level search for cosmic magnetic monopoles, 25:45639
Very heavy solar cosmic rays: energy spectrum and implications for lunar erosion, 25:24795
HART, Harold Bird Symmetry properties and conservation laws in scalar—tensor theories of gravitation, 24:37905
HART, Hiram Monitor for ^{133}Xe contamination of air, 25:21403
Rate of initial entry of ^{47}Ca and ^{85}Sr from the intestine into the vascular space, 22:38209
HART, Hiram E. Comparative resolution of single gamma counting and coincidence counting in focusing collimator scanning systems, 23:19948
Discrete formulation and error minimization in applying the integro-differential equation approach to mono-compartment data, 25:26580
Efficiency and performance of focusing collimators, 22:45608
HART, J. A. Simplified theory of measurement of heat transfer coefficients with transient techniques, 21:45293 (AAEC/E-182)
HART, J. C. Administrative practices in radiation monitoring, 24:12102
Legal aspects of the radiation exposure record, 21:18059
Techno-legal factors in developing the radiation dose record, 23:31810
Techno-legal factors to be considered in developing the radiation dose record, 22:38268 (UCRL-18140, pp 277-88)
Three part 36-week training program for nuclear facility health physicists, 25:39220 (CONF-710416-, Paper 10)
HART, J. D. Design and operation of core unclamp mechanism of Dragon reactor, 24:38477 (DP-Report-162)
Design and operation of inner reflector of Dragon reactor, 24:40874 (DP-Report-216)
HART, J. L. Superplasticity in pure ZrO$_2$, 23:27189
HART, J. R. Corrosion of zircaloy-2 by H$_2$O$_2$ at elevated temperature, 21:1867
HART, L. W. Free-lattice—model ferromagnetic resonance in terbium at 24 GHz, 25:50012
HART, Lynn Winterton Microwave absorption in terbium, erbium, and MnAu$_2$ at selected frequencies from 20 to 120 GHz, 25:52949 (IS-T-471)
HART, M. Lattice deformations in Si induced through high-energy ion implantation, 23:32574
HART, M. G. R. Effect of bacteriophage lambda on host cell reactivation in E. coli K 12, 22:45735
Ultraviolet reactivation in bacteriophage lambda, 25:503
HART, Michael Random gravitational encounters and evolution of spherical systems. I, 25:22258
X-ray interferometer using three spaced parallel crystals, 23:33565
HART, Michael H. Random gravitational encounters and evolution of spherical systems. II, 25:35783
HART, P. A. H. Gas discharge as a source of incoherent radiation at millimeter and sub-millimeter wavelengths, 21:29288
HART, Patrick Eugene Activated hot pressing of magnesium oxide, 22:15235 (UCRL-17978)
HART, R. C. Recent developments in uranium exploration, 24:4390

- HART, R. G. CANDU nuclear power system: competitive for foreseeable future, 25:54124 (A/CONF.49/P-151)
  - Design philosophy and operating experience with WNRE hot cell facility, 24:11717 (AECL-3420)
  - Present status of Canadian organic-cooled reactor technology, 22:30327
  - Ratio of capture to fission in ^{235}U and ^{239}Pu, 21:5527 (AECL-2618)
  - Status of Canadian organic cooled reactor technology, 22:16261 (AECL-2943)
  - Technological progress in Canadian nuclear fuels, 22:3808 (AECL-2928)
  - Uranium dioxide fuels in organic-cooled reactors, 22:35415 (AECL-2758)
- HART, R. K. Contamination of surfaces during high-energy electron irradiation, 24:17339
- HART, R. R. Changes of optical reflectivity induced by 40-keV Sb ion bombardment of Si, 23:27683
  - Disorder dechanneling of low-energy protons and alpha particles in silicon, 25:19816
  - Disorder produced in SiC by ion bombardment, 25:59171
  - Lattice disorder created in Si by 40 keV Sb ions, 23:16881
  - Lattice disorder produced in Si by 40-KeV boron, 24:3448
  - Oxygen K-shell x-ray production in thin films of aluminum oxide by 20- to 100-keV protons, 23:30347
  - Oxygen surface-density measurements based on characteristic x-ray production by 100-keV protons, 23:3562
- HART, R. S. 1000-Mwe liquid metal fast breeder reactor follow-on study. Task III, 24:18684 (AI-AEC-12792(Vol.3))
  - Health physics aspects of fast breeder reactors, 25:51153
  - Safety evaluation of PNPF modifications, 23:28363 (NAA-SR-12516)
- HART, R. W. Imaging distribution of radioactivity within the human body. II, 24:32111
- HART, Roger G. Selective destruction of cancer cells, 22:17030
  - Strategy for selective destruction of cancer cells, 23:33787 (UCRL-70163(Rev.1))
- HART, Ronnie Ray Characteristic O K-shell x-ray production in thin films of Al oxide by 20- to 100-keV protons, 23:12560
- HART, S. R. Geochronology and isotope geochemistry, 21:10448
  - Some effects of contact metamorphism on zircon ages, 22:51089
- HART, W. Fission cross section evaluations for energy range 1 keV to 15 MeV, 23:40030 (AHSB(S)R-169)
  - Neutron interaction in energy range 1.0 E-10 MeV to 15.0 MeV, 22:20561 (AHSB(S)R-141)
- HART, W. C. Microbial inhibition in cutting oils employing radiation: a cost analysis, 23:17694 (NYO-3883-1)
- HART, W. G. Eradication of oriental fruit fly, 24:23417
- HART, W. M. Design of test fixture for remotely testing strain gages in a cryogenic and radiation environment, 22:4562
- HART, W. 'T. System $NbCl_5$—Nb_2O_5. V, 22:11048
- HARTAI, A. New pulsating radio source, 22:43679
- HARTAS, J. C. Nuclear power reactor engineering selected and annotated references, 22:50740 (TRG-Inf. Ser.-678)
- HARTBLOWER, C. E. Fracture of structural metals as related to pressure-vessel integrity and in-service monitoring, 25:42840 (CONF-710512-4)
- HARTBOWER, C. E. Stress-wave analysis technique for detection of incipient failure, 22:16313 (CONF-671011-, pp 127-62)
  - Subcritical crack growth in Be at -320°F, 24:19424 (RN-S-523)
- HARTBOWER, Carl E. Detection of incipient failure in pressure vessels by stress wave emission, 25:44137 (CONF-700224-, Paper 3)
- HART-DAVIS, A. Theory of isotopic effects in the electron—phonon interaction, 22:24440
- HART-DAVIS, A. J. Silicon—transition metal chemistry. VI. Kinetics and mechanism of the replacement of triphenylsilane by triphenylphosphine in hydridotriphenylsilyl(π-lopentadienyl)dicarbonylmanganese, 25:54567
- HARTE, C. Relation between the somatic mutation spectrum of Ephestia kuehniella and the developmental stage of the irradiated animal, 21:10844
- HARTE, J. A study of the quark rearrangement model of nucleon—antinucleon annihilation, 21:31584
  - Large-angle pp scattering as an experimental test of the minimal interaction hypothesis, 22:11671
  - Relativistic quark model with application to meson decay rates, 21:29523
- HARTE, James Martin Improvements in reactor charge tubes, 25:1860
- HARTE, John Asymptotic vertex function in a crossing symmetric bootstrap model of the hadrons, 22:44405
  - Crossing-symmetric bootstrap and exponentially falling form factors, 22:15778
  - Hadron production in high-energy, inelastic hadron—hadron scattering, 24:37746
  - High-energy wide-angle proton Compton scattering, 24:32988
  - Kinematic constraints for infinitely rising Regge trajectories, 22:11651
  - Large momentum-transfer electron—proton scattering, 22:44367
  - Mass perturbations in Bethe—Salpeter-equation model of nucleon, 21:37823
  - Off-mass-shell theory of the bootstrap and composite-particle scattering, 24:3613
  - Proton—proton scattering amplitude, 24:3697
  - Unified treatment of hadronic processes involving high-mass virtual photons, 24:18144
- HARTECK, P. Alpha-ray-induced luminescence in gases, 24:13899
  - Dosimeters for mixed gamma and thermal-neutron fields, 21:39271
  - Excited species of gases produced in the nuclear reactor, 21:5924
  - Irradiation of N_2—O_2—SO_2, 23:24259
  - Photochemical separation of the carbon isotopes, 25:8331
  - Prog. rpt. on ionizing radiation induced isotope exchange in gaseous N, 10/66, 21:4542 (RPI-321-9)
  - Prog. rpt. on pulse radiolysis of gases, annual, 11/70, 25:8285 (RPI-3821-5)
  - Prog. rpt. on radiation chemistry of gases, final, 5/69, 23:26270 (RPI-321-19)
  - Pulse radiolysis of gases: N_2—NO and He—N_2 systems, 24:13876 (RPI-3821-4)
  - Study of improved isotope excited light source techniques. final report, 24:48224 (RPI-3816-4)
- HARTECK, Paul Introductory comments to laser interaction and related plasma phenomena, 25:36148
  - Isotopic enrichment of nitrogen in the photolysis of NO, 22:8184
- HARTEL-ULKOWSKA, Narcyza Radiotherapy in treatment of hemangioblastoma, 21:20267
- HARTEMANN, P. Tetany after radioiodine treatment for hyperthyroidism, 23:41490
- HARTEN, A. Electron temperature in the two-component solar wind, 25:9114
  - Noncollisional coupling between the electron and the proton components in the two-fluid model of the solar wind, 25:922
  - Radial electric field in the solar wind, 25:52567
  - Solution of one-fluid equations with modified thermal conductivity for the solar wind, 25:913
- HARTEN, U. THEDYBER: program for thermodynamic calculation of steam cooled nuclear reactor cycle, 23:52397 (KFK-824)
  - THEDYBER: program for thermodynamic calculation of systems for steam-cooled reactors, 24:18694 (EURFNR-655)
- HARTENBOWER, D. L. Scintillation camera in the dynamic evaluation of renal disorders, 25:19046
- HARTENBOWER, David L. Scintillation camera in embolic acute renal failure, 25:16257
  - Scintillation camera in the evaluation of renal transplants, 24:17080
- HARTENSTEIN, R. Automatic measurement evaluation system for activity and lifetime measurements on radioactive preparations, 21:26271 (KFK-276)
- HARTENSTEIN, Rolf Isotope dilution analysis with stable isotopes. III, 22:42644
- HARTER, J. A. Emission and decay of excited organic molecules under electron impact, 22:40417
  - Low energy electron beam studies in thin metal films, 23:16632 (ORNL-TM-2406)
  - Low energy electron studies in aluminum, 22:11197 (ORNL-TM-2030)
  - Low-energy electron beam studies in thin aluminum foils, 25:19766
  - Nanosecond time-of-flight studies of electrons, 21:26281
- HARTER, M. Clinical results of implantations of radioactive isotopes in the pituitary in certain endocrine or cancerous diseases, 21:24644
- HARTFIELD, G. L. Model for analysis of reactor xenon stability, 21:38561
  - Stability characteristics of large seed-blanket reactors, 21:38560
  - Xenon spatial stability in large seed-blanket reactors, 21:30176 (WAPD-TM-606)
- HARTH, E. M. Observation of reaction $K^- + {}^4He \rightarrow \Lambda^0 + \pi^- + p + d$, 22:15692
- HARTH, R. Heat transfer and pressure drop in inside heated annuli by high pressure gas cooling, 21:26053
  - Heat transfer and pressure drop of tubes with herringbone, transverse, and longitudinal fins for gas cooled fuel elements, 24:38637
  - Inner and outer ribbed, tubular gas-cooled fuel elements, 24:20568 (JUL-618-RB)
- HARTH III, George H. Mechanical properties and column behavior of thin wall beryllium tubing, 23:22517 (N-68-37053)
- HARTIG, A. Prediction of burnout in annuli, 23:38163 (RISO-M-905)
- HARTILL, D. L. Antiproton—proton annihilation, 24:3512
  - Wide-angle bremsstrahlung, 23:14953
  - Wide-angle bremsstrahlung, 24:28475
- HARTILL, Donald LeRoy Experimental study of antiproton—proton annihilation into an electron—positron pair and antiproton—proton annihilation into two γ-rays for incident antiproton momenta of 1.50 GeV/c and 2.50 GeV/c, 22:15677
- HARTIN, W. J. Improved safety system, 25:25593
  - Improved thermoluminescence dosimetry system, 21:26249
  - Safety system logic circuits, 25:45846
  - Thermoluminescent heat stable lithium fluoride dosimeter, 23:14051
- HARTING, D. HPD—CDC 3200 system at Amsterdam, 23:33499 (ANL-7515, pp 164-72)
  - HPD—CDC 3200 system at Amsterdam, 25:13275 (CERN-70-21(Vol.2), pp 709-20)
  - Peripheral dipion production by pions of 12 and 18 GeV/c, 22:20150
- HARTING, Erik Combined energy and angle analyzer for scattered electrons, 25:44737
  - Low convergence electron gun for energies above 2 eV, 24:19715
- HARTKAMP, Heinrich Photometric determination of Mo with pyridine derivatives, 23:32
  - Photometric determination of small molybdenum contents with pryazine-2,3-dicarboxylic acid, 22:1988
- HARTL, M. Energy conversion by means of amorphous insulating thin films, 23:18472 (BMwF-FBK-68-40)
  - Photoelectric properties of anodic oxide layers on tantalum, 21:46402
- HARTL, R. Behavior of light water reactors under loss of cooling medium, 25:57101
- HARTLE, J. B. Absence of quantum-electrodynamic corrections in Josephson junction experiments, 25:17103
  - Momentum transfer dispersion relations for three-particle potential scattering amplitudes, 22:35152
- HARTLE, James B. Existence of N and D matrices, 21:27446
  - Long-range neutrino forces exerted by Kerr black holes, 25:43032
  - Long-range weak forces and cosmology, 24:26414
  - Many-particle scattering amplitudes, 24:3780
  - Paraparticles of infinite order, 25:1434
  - Quantum mechanics of paraparticles, 23:23403
  - Slowly rotating relativistic stars. I, 22:11147
  - Slowly rotating relativistic stars. II, 22:49926
  - Slowly rotating relativistic stars. III, 24:4878
  - Slowly rotating relativistic stars. IV, 24:37032
  - Variational principle for equilibrium of relativistic, rotating star, 21:13314
- HARTLE, R. E. Asymptotic relations between Thomas—Fermi—Dirac and Thomas—Fermi atom models. I, 21:41811
  - Asymptotic relations between Thomas—Fermi—Dirac and Thomas—Fermi atom models. II, 24:37265
  - Dayside ionosphere of Venus, 25:35827
  - Energy transport in stellar winds, 25:32924
  - Ion-exosphere with variable conditions at the baropause, 23:18374
  - Nonthermal heating in the two-fluid solar-wind model, 24:28000 (N-70-23208)
  - Nonthermal heating in the two-fluid solar wind model, 25:7310
  - Topside ionosphere of Venus and interaction with solar wind, 24:17619
  - Topside ionosphere of Venus and its interaction with solar wind, 24:12686 (N-69-40113)
  - Transverse electromagnetic waves in fully ionized Vlasov plasmas, 21:13581
  - Two-fluid model of the solar wind, 22:21829
- HARTLEP, M. A radiation shielded source container with an electromechanically operated plug for two radioactive sources, 23:7684
- HARTLEY, B. J. Application of the generalized Veneziano model to $K^-p \rightarrow K^{*-}\pi^+n$, 24:40403
  - Generalized Veneziano model for $\pi^-p \rightarrow K^0$ anti K^0n, 25:59492
  - Pion—nucleon backward scattering and peripheral absorption model, 23:34608
  - Reggeized U(6) X U(6) X O(3) absorption model for $\pi^-p \rightarrow \pi^0n$, 24:40400
  - Reggeized U(6) x U(6) x O(3) absorptive peripheral model for O^-/sup 1/2/$^+$ $\rightarrow$ O^-/sup 1/2/$^+$, 25:1536
  - Reggeized U(6) x U(6) x O(3) and absorptive correction cuts for $0^-1/2^+ \rightarrow 0^-1/2^+$ charge-exchange reactions, 24:13102
  - Reggeized U(6) x U(6) x O(3) and absorptive correction cuts for $K^+n \rightarrow K^0p$, 24:28556
  - Reggeized U(6) x U(6) x O(3) and absorption model for $\gamma p \rightarrow \pi^+n$, 24:37701
  - Removal of baryon parity doublets in Veneziano model for meson baryon scattering, 25:33759
  - Residue recurrence relations for Veneziano model, 25:33868
  - Toward inclusion of spin in generalized Veneziano model for $K^-p \rightarrow \pi^-\pi^+\Lambda$, 25:14716
  - Veneziano model for $K^- p \rightarrow K^{*-}\pi^+n$ and $K^-p \rightarrow$ anti $K^{*0}n$ taking some account of spin, 25:45756
- HARTLEY, B. M. Determination of the electron energy losses in cesium, 21:21081
  - Measurement of electron energy losses in strontium, 22:50228
- HARTLEY, Beryl Effect of hydroxyurea and other inhibitors of DNA synthesis on Vicia chromosomes previously exposed to x rays or to radiomimetic chemicals, 22:47505
  - Hydroxyurea: effect on Vicia chromosomes previously exposed to x-rays or radiomimetic chemicals, 22:31022
- HARTLEY, C. Marvin Practical approach to EMI problems, 22:22920 (UCRL-18111)
- HARTLEY, Craig S. Dislocation reactions in anisotropic bcc metals, 22:36503
- HARTLEY, D. L. Assessment of the proper boundary conditions at the outer edge of the turbulent boundary layer on spherically blunted conical bodies, 23:47364 (SCL-RR-69-67)
  - SLAP: Sandia—Livermore aeroheating program, 24:5578 (SCL-DR-69-105)
  - Turbulent heating from a compressible boundary layer with pressure gradient, 23:52512 (SCL-RR-69-70)
- HARTLEY, Donald Edward Improvements in or relating to heat exchangers, 22:42969
- HARTLEY, F. R. Treatment of Mary Kathleen U ores, 23:40825
- HARTLEY, F. W. Coolant activity at Connecticut Yankee, cores I and II, 25:50900
  - Coolant activity experiences at Connecticut Yankee, 24:45855
  - Summary of Connecticut Yankee Core I operational problems, 25:5910
- HARTLEY, J. N. Waste solidification program. V, 24:13993 (BNWL-1185)
  - Waste solidification program. VIII, 25:48567 (BNWL-1583)
  - Waste solidification program. Volume 6. Spray solidification performance during first radioactive tests in Waste Solidification Engineering Prototypes, 24:50443 (BNWL-1391)
  - Waste solidification program. Volume 7. phosphate glass solidification performance during final radioactive tests in waste solidification engineering prototypes, 25:23752 (BNWL-1541)
- HARTLEY, K. M. Comparison of radiation sensitivity, endogenous colony formation and erythropoietin response following prolonged hypoxia exposure, 23:41427 (AD-686057)

  - Effect of preirradiation and postirradiation erythropoietic stimulation on survival following exposure to hematopoietically lethal x-ray doses, 23:26873 (AD-674860)
  - Radiation sensitivity, endogenous colony formation, and erythropoietin response, 24:9945
- HARTLEY, Kenneth Processing irradiated fuel, 24:50453
- HARTLEY, M. J. Spontaneous and induced forward mutation in A. nidulans, 24:31945
- HARTLEY, P. E. A technique for digital computer processing of data from radioisotope sediment tracing studies, 21:43049
- HARTLEY, R. H. Application of the neutron-wave technique to thermal-neutron systems, 21:31685
- HARTLEY, Robert Relative merits of impulse and modulated sources in thermal neutron wave experiments, 21:1014
- HARTMAN, C. J. Corrosion problems associated with BWR, 24:18555
- HARTMAN, C. W. Assessment of neutral injection for the superconducting levitron, 25:17125 (UCRL-50976)
  - Feedback control of fluctations in a toroidal stellarator, 24:40101 (UCRL-72473)
  - Plasma confinement in the Levitron, 23:32336
  - Plasma confinement in the levitron, 22:41540 (UCRL-70932)
  - Plasma heating in superconducting Levitron by energetic electrons, 24:32809 (UCRL-50824)
  - Plasma production and heating in the superconducting Levitron, 25:38446 (CONF-710607-9)
  - Toroidal confinement program, 23:3447 (UCRL-50002-68, pp 164-73)
- HARTMAN, Charles W. Collisionless electrostatic shocks, 21:33422
  - Electric-field effects in Q-machines, 21:18762 (UCRL-70115)
  - Hot-electron plasma confinement in magnetic fields with compensating curvature, 21:42023
  - Livermore toroidal confinement program, 21:46308 (UCRL-50002-67, pp 105-26)
  - Livermore toroidal-confinement program, 21:11595 (UCRL-50002-66-1, pp 91-109)
  - Plasma confinement in hybrid multipole-stellarator fields, 24:8429 (UCRL-71721)
  - Strong negative-V" torus, 22:17619
  - Toroidal stabilized pinch formed with relativistic electrons, 25:33209
- HARTMAN, Frederick A. Synthesis and properties of difluorodithiophosphoric acids, HPS$_2$F$_2$ and DPS$_2$F$_2$, 23:2280
- HARTMAN, G. J. Sandia Corp. radiant heat facility, 21:38843 (SC-RR-67-438)
- HARTMAN, John R. Thyroid isotope scans: a newer method, 22:28619
- HARTMAN, Paul L. Measurements of fluorescence efficiency of air under electron bombardment, 22:11195 (LA-3793)
  - New measurements of the fluorescence efficiency of air under electron bombardment, 23:6933
- HARTMAN, Philip E. Ultraviolet-induced reversions of Salmonella his frameshift mutations, 24:17038
- HARTMAN, R. C. Charge composition and energy spectrum of primary cosmic-ray electrons, 24:5015
  - Energy dependence of positron—electron ratio in primary cosmic radiation, 22:5157
- HARTMAN, R. M. Environmental reports and new power plant schedules, 25:51023
- HARTMAN, Richard T. Prog. rpt. on productivity of vascular hydrophytes, 1—12/67, 22:19299 (NYO-3018-18)
- HARTMAN, Ronald E. Binding of gallium by blood serum, 24:2559
- HARTMAN, T. L. Jr. Prog. rpt. on infrared testing of electronic components, final, 4/5/65—6/5/66, 21:4675 (N-66-29973)
- HARTMAN, W. A. Plutonium-238 production by a continuous process, 21:10405 (ORNL-4023)
- HARTMANN, Armando A. Protonation and methylation of conformationally fixed 2-lithio-1,3-dithianes. Some reactions of remarkable stereoselectivity, 25:39508
- HARTMANN, Charles H. Gas chromatographic detector utilizing radioactivity, 23:9822
- HARTMANN, D. Cleavage of thymine dimers in Escherichia coli by fast electrons, 22:45445
  - Energy absorber for external beams of Karlsruhe isochronous cyclotron, 23:44768
  - Lipids in liver and unesterified fatty acids in serum after whole-body-irradiation, 23:31659
  - Scattering chamber for external beam of Karlsruhe isochronous cyclotron, 23:21214
- HARTMANN, Dieter Catalase activity in radioresistant and radiosensitive strains of E. coli B, 23:22441
- HARTMANN, G. Elastic e-d scattering, 23:8715 (TID-24667, pp 303-16)
  - Influence of latent image fading in quantitative radioautography, 23:11791
  - Ionospheric absorption during shortwave fade-outs related to enhancement of solar x-ray flux, 25:30362
  - Mass spectrometric investigation of lower thermoshpere above Fort Churchill, 23:16728
  - Quantitative autoradiography. II, 23:2877
  - Quantitative autoradiography, with particular consideration of special evaluation techniques. I, 22:51417
  - Theoretical explanation of a new triggering method, 24:4437
  - Timing of Ge(Li)-detector pulses, 25:10830
- HARTMANN, G. C. Experimental search for a heavy electron, 22:22283
  - Measurements of elastic electron—deuteron scattering at high momentum transfers, 23:18787
- HARTMANN, G. K. Calculation of integral content integral N ds of upper atmosphere, 24:5058
  - Proposal for a new style beacon experiment to determine integralNds for the ionosphere and magnetosphere, 24:45119
- HARTMANN, Gerd Tropospheric diffraction phenomena of radio signals from the beacon satellite Explorer 22, 23:27510
- HARTMANN, H. Decontamination of radioiodine-containing basin water with rapid filtering arrangements using silver salts, 22:31065
  - Decontamination procedures for catchment basin waters, 21:180
  - Microwave spectroscopic investigations on methyl mercury iodide, 21:42943
  - Microwave spectrum, structure, and dipole moment of fluorotrichlorosilane, 21:42942
  - Research on the techniques of decontamination of water retained by dams with the installation of rapid filters, 23:48029 (CEA-tr-A-1957)
  - Stability of the I-labeled toluidine-containing polyvinylpyrrolidine (PVP-T ^{131}I) according to Gordon and of ^{3}H-polyvinylpyrrolidine (^{3}H-PVP), 21:45704
- HARTMANN, H. Rodney Hot renal tumor, 23:6521
- HARTMANN, Karl M. Action spectrum of photomorphogenesis under high-energy conditions, 22:23679
- HARTMANN, Lothar Interpretation of gamma logs from underground boreholes with the aid of small computers, 22:33561
  - Use of small computers for evaluation of gamma bore logs, 22:40272 (AEC-tr-6942)
- HARTMANN, Martin Some geochemical investigations on permian and triassic sandstones, 25:39407 (AEC-tr-7234)
- HARTMANN, O. Structure, energy, and periodic potential of kinks in screw dislocations for bcc lattices, 25:12027
- HARTMANN, R. Determination of soil-moisture characteristics for irrigation purposes by neutron-moisture meter and air-purged tensiometers, 22:23149
  - Doppler-shift attenuation measurements in ^{42}Ca. II, 25:22994
  - Electric quadrupole transitions in ^{42}Ca, 23:10981
  - Lifetime measurements in ^{14}N, 21:19176
- HARTMANN, S. R. Electric quadrupole moment of ^{40}K, 23:23656
- HARTMANN, U. Influence of adrenal cortex total extracts on radiation sickness, 25:58035
- HARTMANN, V. Gamma-radiolysis of 2-deoxy-D-ribose in aqueous solution, 25:8305
- HARTMANN, W. M. Theory of neutron scattering from liquid and solid hydrogen, 21:19157
- HARTMANN, Walter Resistance measurements on α- and β-irradiated aluminum under deformation, 22:52222
- HARTMANN, Werner Measuring methods using ionizing radiation, 25:29391
- HARTMANN, William H. Giant-cell tumor of bone after irradiation and excision, 21:34696
- HARTMANN, William K. Growth of planetesimals in nebulae surrounding young stars, 25:24717
  - Nature of the infrared nebula in Orion, 22:5000
  - Star formation in clusters and the stellar mass function, 25:24703
- HARTMANN-BOUTRON, F. Effects of quadrupole-coupling fluctuations on Moessbauer spectra of ions in crystals, 22:20065
  - Moessbauer study of Fe^{3+} ions in spinel-type compounds, 22:24423
- HARTMANSHENN, O. Reaction of chlorine trifluoride with uranyl fluoride, 22:2074
- HARTMANSHENN, Olivier Complexes MF$_6$, nNaF (M = U, W, Mo), 23:24141 (CEA-R-3732)
  - Microcalorimetric study of UF$_4$—UF$_6$ system, 22:43659 (ANL-Trans-654)
  - Reactions ClF$_3$—UO$_2$F$_2$ and ClO$_2$F—UO$_2$F$_2$, 21:34246 (CEA-R-3210)
  - Reactions UF$_4$ + ClO$_2$F and UF$_5$ + ClO$_2$F, 24:22619 (CEA-R-3963)
  - Reactions UF—ClF, UF—ClF$_3$, UF$_5$—ClF, UF$_5$—ClF$_3$, 22:48847 (CEA-R-3558)
- HARTNAGEL, H. Radiation spectrum of nitrogen particles after collisions with electrons, 23:14610
- HARTNAGEL, H. L. Some considerations about ion trapping by tubular electron beams for collision experiments, 21:9332
- HARTNAGEL, Hans Semiconductor plasma instabilities, 24:30326
- HARTNELL, G. W. Bremsstrahlung method for locating electrical breakdown in a Van de Graaff accelerator tube, 25:50575
- HARTNETT, J. P. Proceedings of the Second All-Soviet Union Conference on Heat and Mass Transfer. I, 21:6143
- HARTNETT, James P. Advances in heat transfer. IV, 22:237
- HARTOG, M. Serum growth hormone levels and response of diabetic retinopathy to pituitary ablation, 24:11950
- HARTRANFT, Franklin R. Ionospheric electron density profile model, 25:9283 (AD-709888)
- HARTRODT, Walter Radioactively labeled compounds. IV, 21:14161
- HARTROTT, M. v. Gamma-spectrum of ^{74}Se accompanying β-decay of ^{74}Br, 24:52484
- HARTSHORN, M. P. Deuterium isotope effect for B trifluoride catalysed rearrangement of 2-methyl-1,2-epoxypropane, 24:36215
- HARTSHORN, S. R. Secondary hydrogen isotope effects in the nitration of anilinium ions, 22:16525
  - Solvolysis rates and deuterium isotope effects in 2,2,2,-trifluoroethanol—water mixtures, 23:40644
- HARTSOCK, Robert J. Acute ultrastructural effects of 500 roentgens on the lymph node of the mouse, 21:26603
- HARTSOOK, E. W. Calcium—Sr metabolism in white tailed deer, 23:16237
  - Strontium—calcium discrimination in growing rats, 23:12019
- HARTSOUGH, I. D. High field characteristics of Nb$_3$(Al, Ge), 22:38980
- HARTSOUGH, L. D. New superconducting A15 compound, V$_3$Al, 25:45401
- HARTSOUGH, Larry Dowd Effect of ternary additions on superconducting properties of Nb$_3$Al, 22:10952 (UCRL-17982)
- HARTSOUGH, W. D. Bevatron external proton beam facilities, 23:27973
- HARTSUCK, J. M. Counting of ^{42}K by Cherenkov radiation, 23:49736
- HARTSUCK, James M. Reference models for clinical studies by isotope dilution, 24:13763
- HARTT, K. Charge symmetry breaking in the Λ—N interaction, 24:52140
  - Localized oscillator expansions of nuclear two-body wave functions, 24:15987
- HARTT, W. H. Double accomodation kinking and growth of (1121) twins in zirconium, 23:3083
- HARTUNG, J. Charge distributions of lithium ions after their passage through matter, 23:18448
  - Charge state of lithium ions in gases, 22:38737
- HARTUNG, Jack Burdair Application of the potassium—argon method to the dating of shocked rocks, 23:9541
- HARTUNG, K. Experiments on the determination of quality of optimal radiation for the irradiation of the limbs of animals, 24:32010
  - Irradiation of bone tumors in dogs, 24:29822
  - Radiation of chronic joint inflammations in dogs, 24:21169
  - Radiation protection in small animal practice, 23:26812
  - Radiation protection in small animals, 24:19323
  - Radiation protection in veterinary practice, 23:41334
  - X irradiation of chronic joint inflammations in dog, 24:799
- HARTUNG, R. Production of Ω$^-$ hyperons in K$^-$p interactions at 5.5 BeV/c, 21:17041 (COO-1195-79)
- HARTUNG, R. W. Di-pion production in high-energy π^-p collisions, 22:9512
  - Reaction $\pi^+p \rightarrow \Sigma^+K^+$ at 3.23 GeV/c, 22:5514
- HARTWAY, B. L. Operator's console for LAMPF accelerator, 25:50385
- HARTWEG, H. Contribution of radiology to diagnosis of cerebrovascular accidents, 24:39532
  - Differential diagnosis of pulmonary embolism, 24:50985
  - Radiosensitivity of eosinophils in lymphocyte cultures, 24:21272
- HARTWEG, Helmut Investigations of the behavior of double-nuclei lymphocytes after radiation treatment, 21:36692
  - Radiosensitivity of alkaline phosphatase, 23:43707
- HARTWELL, R. W. Status of Enrico Fermi Atomic Power Plant, 22:46953
- HARTWELL, Roy Improvements in spacer grids for heat exchange units, 23:11699
  - Nuclear fuel assembly, 21:44897
  - Nuclear reactor, 21:42786
  - Water cooled nuclear reactor with improved core and reflector recirculation system, 21:19440
- HARTWICH, Guenther Use of redox resins in inorganic chemistry, 24:5740
- HARTWICK, F. D. A. Blue end of the horizontal branch in globular clusters, 22:13168
  - Color—magnitude diagram for the abnormally strong-line globular cluster M69, 22:49934
  - Integrated color indices of M67 and NGC 188, 24:51293
  - Intermediate-age galactic cluster NGC 2660, 25:22272
  - Luminosity function for globular cluster M92, 24:46870
  - Photometric study of metal-rich globular cluster M71, 25:43035
  - Radial variation in ratio of blue to red supergiants in Galaxy, 25:13791
  - Rapidly rotating stars. IV, 22:49932
  - Rate of star formation in M31, 25:9134
  - Some uncertainties in Population-II stellar models near the main sequence, 23:8383
  - Stellar evolution with mass loss, 22:11152
  - Two-dimensional classification for galactic globular clusters, 23:5183
- HARTWICK, Frederick David Alfred Stellar evolution with mass loss, 22:8978
- HARTWIG, D. Beam property measurements at Karlsruhe isochronous cyclotron, 22:39504 (KFK-754)
  - Energy absorber for external beams of Karlsruhe isochronous cyclotron, 23:44768
  - Study of ^{17}N levels and T = $^3/_2$ multiplets in mass 17 nuclei, 25:56662
- HARTWIG, E. AEG compact cyclotron, 25:31144
  - Preliminary hardware concepts for a high-energy electron-ring accelerator, 25:31052 (UCRL-20169)
  - Pulsed accelerating column and pulsed magnetic field for the Electron Ring Accelerator, 22:46618 (UCRL-18103, pp 332-40)
- HARTWIG, E. C. Pulsed line acceleration of electron rings, 22:46583 (UCRL-18103, pp 44-64)
- HARTWIG, Edward C. Digital control of the Bevatron—injector inflection trajectory, 21:11866 (LA-3609, pp 483-90)
  - Non-intercepting monitor of beam current and position, 25:28117 (UCRL-20166)
- HARTWIG, G. Elastic electron—proton scattering at momentum transfers up to 110 fermi^{-2}, 21:21131
  - Elastic electron-proton scattering at momentum transfers up to 110 Fermi$^-$, 21:7445 (DESY-66/27)
  - Inelastic scattering of electrons by protons, 21:29422
  - On-line use of CDC 1700 computer in experiment in high-energy physics, 24:9711 (KFK-963)
  - Performance of wire spark chambers with large area and two coordinate read-out, 21:8604
  - Wire spark chambers with ferrite core storage, 24:9692
- HARTWIG, H. Dielectric conductor and antenna for microwave interferometer for density measurements on plasmas, 21:46316 (JUL-473-PP)
  - Dielectric waveguides and aerials for 2 mm microwave interferometers with high spatial resolution for plasma density measurements, 25:42183 (CTO-756)
- HARTWIG, J. Reprocessing of irradiated thorium-containing fuel elements, 23:38085

HARTWIG, M. Radiation effects in isolated DNA and their functional consequences. III, 25:29464
Radiation effects in isolated DNA and their functional consequences. II, 25:29463
HARTWIG, S. Radioactive isotopes as air mass indicators. II, 23:49953
HARTWIG, Sylvius Radioisotopes as air mass indicators, 21:6082
HARTWIG, W. H. Automatic tuning of a superconducting cavity using optical feedback, 23:29281
Magnetic losses in superconductors at high frequencies, 21:3786
Performance of superconducting oscillators and filters, 22:29415
Photodielectric detector using a superconducting cavity, 22:29416
Radio-frequency losses in the superconducting penetration depth, 22:29448
HARTWIG, William H. Material-properties analyzers using superconducting resonators, 25:14229
Use of superconducting cavities to resolve carrier trapping effects in CdS, 23:30640
HARTY, H. Plutonium recycle test reactor (PRTR): operating experience and supporting R and D, its application to heavy-water power reactor design and operation, 22:30232
Plutonium Recycle Test Reactor operating experience, 21:38661 (BNWL-SA-1269)
Prog. rpt. on engineering development, 1—3/66, 21:19458 (BNWL-300)
Prog. rpt. on engineering development, 4—6/66, 21:31902 (BNWL-367)
Prog. rpt. on engineering, 7—9/66, 21:40541 (BNWL-492)
Prog. rpt. on nuclear safety, 1—3/67, 23:11251 (BNWL-433)
Prog. rpt. on nuclear safety, 4—6/67, 22:12008 (BNWL-537)
HARTY, Harold Nuclear reactor for use in space, 22:25070
HARTZ, F. High-frequency analogue model for measuring magnetic field disturbances in a theta pinch coil, 22:46101 (IPP-1/80)
Improved magnetic field symmetry in corrugated theta-pinch coil, 24:3410
Inductive lenses for improved magnetic field symmetry in a corrugated theta pinch coil, 23:32485 (IPP-1/89)
Model for measuring magnetic field disturbances in theta pinch coil, 23:39500
HARTZ, T. R. Diurnal distribution of elf, vlf, and lf noise at high latitudes, 25:47401
General pattern of auroral particle precipitation, 22:17525
General pattern of auroral particle precipitation and its implications for high latitude communication systems, 22:46018
Nonlinear plasma effects in Alouette recordings, 23:44310
Radio noise levels within and above the ionosphere, 23:44300
Resonances observed by the Alouette topside sounders, 24:37349
Type-III solar radio noise bursts at hectometer wavelengths, 23:18350
HARTZEL, L. W. Continuous flow measurements of thermosetting plastics with the oscillating disk rheometer, 23:21598 (MLM-1550)
Quick-curing foam systems, 22:39960 (MLM-1397)
HARTZELL, W. M. Continuous air monitor, 21:1745 (RFP-815)
HARTZMAN, Mark Nonlinear dynamics of solids by finite element methods, 24:19127 (UCRL-50779)
HARUHARA, Shiro Explosive reaction between irradiated liquid nitrogen and oxygen, 21:45150 (ORNL-tr-1774)
HARUN-AR-RASHID Algebra of currents and the meson form factors, 21:17073
Meson—baryon and baryon—baryon scattering in Reggeized U(6) x U(6) theory, 23:15115
Photoproduction of vector mesons from nucleons, 21:17078
HARUN-AR RASHID, A. M. Bootstrap on two-term Veneziano model with unitarity, 24:42953
Broken chiral and conformal symmetry and Kuo transformation, 24:45509 (IC-70/91)
Broken chiral and conformal symmetry and Kuo transformation, 25:14770
Charge exchange scattering using SU(3) symmetry and Regge poles, 23:5626
Chiral dynamics and K/sub l4/ form factors, 24:6709
Chiral Lagrangian and Veneziano models for etaπ scattering and eta' decay, 24:10750
Comparison of Veneziano amplitude with chiral dynamics for meson—meson scattering, 23:44652
Correlations between A_1 and B decays in chiral SL(8,C), 25:45744
Effective Lagrangian for nonleptonic hyperon decays with SU(3) x SU(3)-symmetry breaking, 24:24322
Effective Lagrangians in pion-production process $\pi N \rightarrow 2\pi N$, 24:49497
Elastic scattering of low-energy pions by alpha particles, 24:15609
Elastic scattering of low-energy pions by alpha particles, 24:49542
Gamma$\pi \rightarrow \pi\pi$ in Veneziano model and lifetime of neutral pion, 24:40314
Inelastic meson—baryon scattering with Veneziano model and SU(3) symmetry, 25:41008
K-meson nucleon forward dispersion relations and the evaluation of the coupling constants, 22:29698 (AECD/TP-22)
Matrix elements of operators of class I representations of SL(n, C), 22:44470
N*(1518) as a Regge pole and pion—nucleon scattering phase-shift in $T = {}^1/_2$, $J = {}^3/_2$ state, 21:29536
Nuclear structure, 22:16092
Pion—nucleon coupling constant from spin-flip dispersion relation, 22:32166
Polarization in pion—nucleon scattering with a Ball—Zachariasen trajectory, 25:47877
Reaction $\pi^-p \rightarrow$ etan with Veneziano terms, 25:30884
HARUTYUNYAN, F. R. Superhigh-energy particle detector based on using the radiation of a particle in a laminar medium, 25:18781
HARUYAMA, Kanji Determination of ^{210}Pb by dithizone extraction as ^{210}Bi, 21:2964
HARUYAMA, Kazuhisa Effect of radiation on the nail tissue. II, 23:22412
Skin reactions in electron beam irradiation. I, 23:35922
HARUYAMA, M. Off-mass-shell Veneziano-type amplitude compatible with PCAC and broken chiral symmetry, 24:45615
Off-mass-shell Veneziano-type amplitudes and π,K form factors, 25:38737
HARUYAMA, Masahiro Electromagnetic structure of the nucleon, 24:18122
Pion electromagnetic form factor with dipion unitarity, 25:3330
HARVEY, A. Accelerator magnet development at CRNL, 23:19030 (BNL-50120(Pt.1), pp 41-51)
Demountable magnetic lens, 25:9928
In-reactor electrical resistivity measurements on thorium dioxide, 24:21442 (BARC-436)
LAMPF switchyard magnets, 25:50497
Mineral-insulated magnets for high radiation environments, 23:28078
HARVEY, A. B. Vibrational spectra and structure of four-membered ring molecules. XIV, 23:31356
HARVEY, A. L. Equations of motion of a dynamical system of particles, 21:31498 (AD-636063)
HARVEY, A. R. Fabrication techniques for recent complex magnet systems, 23:23184 (UCRL-71540)
Large superconducting baseball magnet. I, 22:52732 (UCRL-71010)
Large superconducting baseball magnet, 24:5113
Large superconducting baseball magnet. II, 25:49925 (UCRL-71010(Pt.2))
HARVEY, Albert B. Spectra and structure of dimethyl ditelluride and dimethyl ditelluride-d_6, 24:4286
HARVEY, Albert Richard Resistivity and magnetoresistance of dilute solutions of Mn in Cu—Ni alloys, 25:51292 (IS-T-451)
HARVEY, B. Spectroscopy of transfer reactions, 23:37285 (CEA-CONF-1261)
HARVEY, B. G. Beam analyzing system for a variable energy cyclotron, 23:30904
Determination of Y_4 deformations in rare earth region by inelastic alpha particle scattering, 22:3700 (UCRL-17547(Exp.))
Determination of Y_{40} and Y_{60} components in the shapes of rare earth nuclei, 22:14007
Evaporation of α particles from heavy nuclei, 23:8994
Excitation of single neutron hole states in ^{207}Pb by inelastic proton scattering at 20.2 MeV, 22:50627
High-spin states of configuration (1d/sub $^5/_2$/)/sub 5+,0^2/ and (1g/sub $^9/_2$/)/sub 9+,0^2/ strongly populated by the (α,d) reaction, 24:13305
Inelastic alpha particle scattering in the rare earth region and determination of β4, 22:27205
Inelastic scattering of 17.8 MeV protons from ^{58}Ni, ^{60}Ni, and ^{120}Sn and the determination of spin and parity assignments for ^{58}Ni from α-particle scattering, 21:46691
Low-lying many-quasiparticle states in nickel isotopes, 24:35844
Multiple nuclear excitation of rotational levels in ^{152}Sm and ^{154}Sm, 21:10028
Proton-neutron two-particle excited states of the (1g/sub 9/2/)2/9$^+$ configuration, 22:39616
Reaction (d,^{6}Li) on light nuclei, 25:22981
Reaction ^{14}N(α,d)^{16}O, 24:52460
Scattering of alpha-particles by ^{55}Mn, 23:32919
HARVEY, B. R. Detection, estimation, and radiological significance of /sup 110m/Ag in oysters in Irish Sea and Blackwater estuary, 22:40671
Liquid scintillation counting of ^{63}Ni, 24:46196
Studies of liquid radioactive effluent discharged to the aquatic environment from CEGB nuclear power stations, 22:18722
HARVEY, Bernard G. Nuclear chemistry, 21:36053
Spectroscopy of ^{14}N by use of the reaction ^{12}C(^{3}He,p)^{14}N, 22:44613
Study of ^{18}F by use of (^{3}He,p) and (α,d) reactions, 22:53108
HARVEY, C. C. Radio emission from geomagnetically trapped particles, 22:9190
HARVEY, D. M. Pre- and postshot structural survey: project Dribble, Salmon Event, 22:37899 (VUF-1029)
HARVEY, E. B. Atlas of the domestic turkey, 23:9293 (WASH-1123)
HARVEY, E. H. Observation of the decay eta' $\rightarrow \gamma\ \gamma$, 25:9651 (COO-1764-111)
Reaction $\pi^-p \rightarrow \gamma\gamma n$ at 3.65 GeV/c, 25:53003
HARVEY, G. A. Polarization of solar radio emission at 74 MHz: May 18—26, 1967, 24:25899
HARVEY, G. G. Prog. rpt. on electronics, 1/67, 21:27107 (TID-23760)
Prog. rpt. on electronics, 10/15/67, 22:9271 (TID-24203)
Prog. rpt. on electronics, 3—5/66, 21:2191 (TID-23318)
Prog. rpt. on electronics, 4/15/68, 22:34572 (TID-24491)
Prog. rpt. on electronics, 7/67, 21:39971 (TID-23971)
Prog. rpt., 1/15/68, 22:22119 (TID-24331)
Prog. rpt., 4/67, 21:29190 (TID-23827)
Prog. rpt., 7/15/68, 22:46095 (TID-24666)
HARVEY, H. D. Jr. Radiological safety program for project "Dribble", 21:18056
HARVEY, H. W. Containers for targets in production of radioisotopes in swimming-pool reactors, 21:45321
One-gallon transfer system, 25:51804
Separation of microgram quantities of ^{252}Cf and ^{244}Cm by extraction chromatography in high-level cave, 23:24271 (ANL-7546)
HARVEY, Hubert D. Jr. Radiological survey of Hampton Roads, Virginia, 23:31721 (AD-683208)
HARVEY, I. K. Determination of 2e/h based on the ac Josephson effect, 25:5412
HARVEY, J. Influence of magnetic fields on solar corona, 23:36410
Magnetograph measurements with temperature-sensitive lines, 24:10303
Observational evidence for quantization in photospheric magnetic flux, 24:10304
Photospheric magnetic fields on March 7th 1970, 24:37132
Short-period oscillations and Doppler velocity gradient, 24:17568
Spectroscopic determinations of solar rotation, 24:28017
Sputtering yields of gold and tantalum in argon—oxygen mixtures, 25:16497
Wire spark chamber for gamma ray detection, 24:23008
HARVEY, J. A. Analysis of neutron capture gamma-ray spectra, 23:34803 (ANL-7282, pp 245-54)
Angular distribution measurements of gamma rays from resonance neutron capture, 23:34772 (ANL-7282, pp 290-5)
Distribution of partial radiation widths in ^{238}U(n,γ)^{239}U, 25:56790
Gamma-ray spectra from resonance neutron capture using a reactor beam, 23:34735 (ANL-7282, pp 14-18)
Gamma-ray spectra from thermal neutron capture in ^{41}K and ^{39}K, 22:26995
High-resolution capture γ-ray measurements from thermal and resonance neutron capture in ^{119}Sn, ^{116}Sn, ^{123}Sn, and ^{124}Sn, 23:34781 (ANL-7282, pp 507-13)
Low-lying excited states of ^{204}Tl and ^{206}Tl, 24:47601
Proposal to acquire a data-handling system for Oak Ridge electron linear accelerator, 21:11873 (ORNL-TM-1746)
HARVEY, J. D. Influence of breakup channels on the analysis of deuteron stripping reactions, 25:28512
HARVEY, J. K. Electron-beam rotational temperature measurements, 23:36523
HARVEY, J. M. Conclusions about radiation, 23:3005
HARVEY, J. R. Formula for predicting sensitivity of Ge(Li) spectrometers to gamma rays, 25:419
Measurement of beta doses in operational health physics with thermoluminescent lithium fluoride, 23:4840 (RD/B/N-830)
Measurement of principal neutron induced radioactivities in reactor grade titanium metal by high resolution Ge(Li) γ-ray spectrometry, 24:14812 (RD/B/N-1323)
Recommendations concerning the use of the personal neutron albedo dosimeter, 22:51253 (RD/B/R-828)
Response of finely powdered thermoluminescent lithium fluoride to beta radiation, 23:45557 (RD/B/N-1372)
Skin dosimetry problems in nuclear operations, 23:12069 (RD/B/N-1007)
Some applications of low-dose thermoluminescence measurements with calcium fluoride, 21:26231 (CONF-650637-, pp 331-9)
HARVEY, J. T. C. Prestressing system for reactors, 23:11139
HARVEY, J. W. Fraunhofer lines without Zeeman splitting, 24:28020
Magnetic field in some prominences, 22:29129
Pulmonary lavage dogs exposed to ^{144}Ce-labeled aerosol, 24:34302 (LF-41, pp 214-20)
Ranges of shielded nuclides from thermal-neutron fission, 24:3925
Reactor-neutron fission yields of ^{232}Th, 22:50912
HARVEY, James M. Conference on engineering uses of holography, Glasgow, 9/68, 25:473
HARVEY, John Coronal polar plumes, 22:29156
Gamma and bremsstrahlung dose from ^{85}Kr in air, 25:37808 (RD/B/M-1022(App.))
HARVEY, John Terence Improvements in the production of graphite, 22:15244
HARVEY, John W. Measuring fission spectra with semiconductor detectors, 21:17360
HARVEY, John Warren Magnetic fields associated with solar-active-region prominences, 24:17550
HARVEY, K. B. Infrared absorption of D_2O in solid N, 22:12315
HARVEY, Karen L. Explosive phase of solar flares, 25:27382
HARVEY, M. Anatomy of Hartree—Fock procedure in simple model, 25:36819
Conference on properties of nuclear states, Montreal, 8/69, 24:43491
Coupling of quasiparticles and anharmonic vibrations: A = 33 and 34, 25:28249
Dependence of Hartree—Fock solutions in sd-shell nuclei on spin-dependent forces, 25:59878
Distribution of binding energy in a nucleus and fission, 22:39590
E2 effective charges from realistic reaction matrices, 24:43137
Effect of spin—orbit force in SU_3 classification scheme for ^{20}Ne, 24:3890
Effective operators for nuclear shell model. III, 25:36820
Effective operators in nuclear shell model, 23:49437 (AECL-3366)
Effective operators in nuclear shell model. I, 24:52666
Effective operators in the nuclear shell model. II, 25:10072
Effects of non-central forces in ^{21}Ne, 24:43269
Effects of pairing in the ^{20}Ne nucleus, 21:19212
Enumeration of many body states of nuclear shell model, 22:18306 (AECL-3007)
Fission in a shell model, 21:21593
Intermediate-coupling structure of odd-A nuclei, 24:47625
Nuclear SU_3 model, 22:22650
Phenomenology of effective operators, 24:43535
Projection operator for the spurious centre-of-mass motion, 23:37298
Pseudo LS coupling and pseudo SU_3 coupling schemes, 24:15955

  Shell model, 24:43577
  Silicon-28 nucleus in Hartree—Fock model, 21:13843
  Silicon-28 nucleus in SU$_3$ model, 21:13848
  Structure of intermediate coupling states in the nuclear shell model, 22:48609
HARVEY, M. R. Ce diffusion in delta stabilized Pu—Ce alloys, 22:47682
  Chemical diffusivities of delta stabilized Pu—Zr alloys, 24:19440
  Chemical diffusivities of Pu—Ga alloys in epsilon (bcc) phase, 25:29873
  Electron microprobe examination of Pu—Al alloys, 23:41656
  Ga and Fe in Pu—Ga and Pu—Fe alloys, 22:2625
  Gallium diffusion in delta-stabilized Pu—Ga alloys, 23:16496
HARVEY, Malcolm R. Comparison of quantitative techniques for electron microanalysis of Pu—Ga and Pu—Fe alloys, 22:39988 (RFP-1146)
  Fabrication of oxide nuclear fuel pellets, 23:27146 (RFP-1255)
HARVEY, Michael J. Effect of radioactive tags on the activity of rodents, 22:40867
HARVEY, N. D. Mitotic activity and radiation response in uterine malignancy, 21:6594
HARVEY, N. D. M. Cytogenic assessment of radiosensitivity of carcinoma of the uterine cervix, 23:29680
HARVEY, N. P. Silicon P—N junction detectors for high-temperature operation, 22:38033
  Transverse-field silicon detector, 24:39303
HARVEY, P. J. Color centers and point defects in irradiated thoria, 24:47299
  Reaction ^{27}Al(p,α)^{24}Mg, 24:43286
  Search for a 5.5 MeV level in ^{7}Li, 22:15960
HARVEY, Peter James Radiation camera, 23:19970
HARVEY, Peter John Study of reaction ^{27}Al(p,α)^{24}Mg and search for 5.5 MeV level in ^{7}Li, 24:52471 (NP-18361)
HARVEY, R. Calculation, construction and measurement of pulsed magnetic fields for Chalice, 21:5238 (SIT-2582-20)
  Engineering problems encountered in Chalice experiment, 24:24036 (LA-4250, pp B8.1-5)
HARVEY, R. A. Analog technique for optimizing dynamic systems, 21:32049 (BNWL-392)
  FFTF main heat transport system concept, 24:26800 (BNWL-554)
  Model development and simulation of the translocation of radionuclides in mammals, 22:23502 (BNWL-SA-683)
  Preliminary analyses for FFTF heat transport control systems, 25:18169 (BNWL-1395)
  System effectiveness goals for Fast Flux Test Facility, 24:11221 (BNWL-791)
HARVEY, R. F. Direct comparison of a small gamma camera with a rectilinear scanner for thyroid scintigraphy, 24:48621
HARVEY, R. J. Implantable, Rankine-cycle radioisotope power source, 24:14195
HARVEY, R. R. Photoneutron cross sections for ^{90}Zr, ^{91}Zr, ^{92}Zr, ^{94}Zr, and ^{89}Y, 21:46755
  Photoneutron cross sections of ^{24}Mg and ^{26}Mg, 23:44851 (UCRL-71828)
HARVEY, R. S. Biological indicators of environmental radioactivity, 22:38253 (DP-MS-67-99)
  Concentration of ^{137}Cs, ^{65}Zn, and ^{85}Sr by fresh-water algae, 21:17950 (DP-MS-66-12)
  Concentration of ^{137}Cs, ^{65}Zn, and ^{85}Sr by fresh-water algae, 22:25754
  Effects of temperature on the sorption of radionuclides by a blue-green alga, 22:38191 (DP-MS-66-88)
  Temperature effects on maturation of midges (Tendipedidae) and their sorption of radionuclides, 25:46687
  Temperature effects on the sorption of radionuclides by freshwater algae, 25:8598
  Uptake and loss of radionuclides by freshwater clam Lampsilis radiata (Gmel.), 23:38437
HARVEY, R. W. Diurnal distribution of elf, vlf, and lf noise at high latitudes, 25:47401
  Electrostatic proton cyclotron harmonic waves, 23:42061
  Progress in ^{137}Cs irradiation sources for food processing, 23:26465
HARVEY, Raymond S. Automatic system for the preparation of culture media, 21:8564 (DP-1081)
HARVEY, Richard F. Material and heat treatment for sintered metal tooling, 24:4787
HARVEY, Robert A. Ecological and environmental effects from local fallout from CABRIOLET. I, 23:41272 (PNE-956)
  Radiosensitivity of certain perennial shrub species based on study of nuclear excavation experiment, 23:33904 (CEX-68.4)
HARVEY, Robert Laurie Experimental and theoretical investigation of magnetically balanced arcs, 23:1465
HARVEY, Robert W. Safe management of radioactive wastes, 24:414 (ARH-SA-52)
HARVEY, Robin Engineering developments in Chalice experiment, 21:5239 (SIT-2582-21)
  Evidence for long-time confinement of dense plasma by means of two THETA pinches and a cusp (Chalice), 21:46305 (SIT-2582-24)
  Prog. rpt. on cusped containment geometries, semiannual, 3—8/69, 24:5156 (SIT-2582-31)
  Prog. rpt. on cusped containment geometries, annual, 9/69—8/70, 24:42658 (SIT-2582-34)
HARVEY, Robin J. Optical interferometry, 24:37436 (SIT-2582-33, pp 14-42)
  Skin-effect pulse transformers, 24:24060 (LA-4250, pp DII.10.1-4)
HARVEY, Robin James Experimental investigation of cusp containment in Chalice, 23:8588
HARVEY, T. J. Application of beryllium in space shuttle, 25:47114 (NMAB-272, pp 419-33)
HARVEY, Thomas S. Experiments with white rats, bush beans, and Tradescantia plants, 23:20433
HARVIE, Sylvia J. Ion exchange properties of crystalline zirconium phosphate, 25:13084
HARVY, Arthur Lightweight superconducting magnet for a cosmic ray experiment, 21:45458 (UCRL-70285(Rev.1))
HARWALKAR, M. R. Effect of x-irradiation on postembryonic development of D. koenigii, 22:51971
  Labeling adults of red palm weevil (Rhynchophorus ferrugineus) with cerium for detection by neutron activation, 25:23536
HARWARD, E. D. Environmental surveillance of nuclear facilities, 22:19348
  Environmental tritium contamination from utilization of nuclear energy sources, 24:7830
  Programs for environmental surveillance around nuclear power plants, 25:16160
  Public health factors in reactor site selection, 23:43064
  Public Health Service role in providing information relative to the nuclear power controversy, 25:56981
  Radioactivity from fossil fuel and nuclear power plants, 24:45911 (CONF-700810-24)
  Radiological health for reactor site selection, 24:22437
HARWARD, Ernest D. Environmental monitoring and surveillance, 25:23209
  Environmental surveillance around nuclear power reactors, 24:44514
  Surveillance of nuclear power reactors, 22:1795
  Tritium in the environment from nuclear power plants, 23:38101
HARWARD, M. E. Mineralogy and trace-element composition of ash and pumice soils in Pacific Northwest, 24:33599 (RLO-2063-4)
  Prog. rpt. on physico-chemical properties of soils from volcanic ash, 9/70—5/71, 25:34724 (RLO-2227-T-9-1)
  Trace element correlation of volcanic ash soils, 25:54513
HARWARD, Moyle E. Neutron activation for distinguishing cascade range pyroclastics, 23:59
HARWICK, Burton T. Flight test of a nucleonic type aircraft fuel gage, 21:12595
  Radiation measurement instrument having stabilization means, 22:43140
HARWICK, Burton Thomas Radiation measurement instrument, 25:23884
HARWIG, B. Dual-motion Moessbauer absorber system, 25:42120
HARWIT, M. Alignment of dust particles in comet tails, 25:30183
  Alignment of interstellar grains by starlight, 25:30216
  Determining Planck constant of cosmic photons, 25:11665
  Infra-red astronomical background radiation, 25:30239
  Is magnetic alignment of interstellar dust really necessary, 24:28038
  Means of measuring Earth's velocity through 3° radiation field, 22:31561
  Submillimetre observations of the night sky emission above 120 kilometres, 25:40303
  Terrestrial component in Doppler-shifted zodiacal light, 24:23728
  Test to determine variations of Planck's constant on cosmic scale, 25:30246
HARWIT, M. O. Search for near-infrared emission of interstellar molecular hydrogen, 25:45262
  Upper limits to electromagnetic energy radiated by normal galaxies, 25:2868
HARWIT, Martin Far-infrared nightsky emission above 120 kilometers, 23:39072
  Far-infrared observations of the night sky, 23:32074
  Infrared and radio appearance of cocoon stars, 21:26946
  Observational evidence for the existence of dense clouds of interstellar molecular hydrogen, 23:8421
  Rocket infrared observations of the interplanetary medium, 25:47296
  Rocket-infrared four-color photometry of Galaxy's central regions, 25:55783
  Variational principle for a one-dimensional stellar system, 22:17235
HARWOOD, D. J. Bound eigenstates of static screened Coulomb potential, 24:28118
  Thermodynamic properties of nonideal gases. I, 24:1439
  Thermodynamic properties of nonideal gases. II, 25:22529
HARWOOD, J. A. Single electron response and after pulsing in photo- and electron multipliers, 22:12711
HARWOOD, S. E. Radiation-enhanced oncogenesis by SV40, 25:13553
HARWOOD, Vivienne J. Design study for vacuum pumping system for 500 MeV H$^-$ cyclotron, 24:15725 (TRI-69-9)
  Vacuum system model study for 500 MeV H$^-$ cyclotron, 24:40512 (TRI-69-7)
HARWOOD-NASH, D. C. F. Calcification of basal ganglia, 24:21255
HARY, L. B. Primary coolant conductivity study, 22:35588 (AD-663923)
HARY, Laszlo B. AF NETF primary-coolant conductivity study, 21:35749
  Fuel-plate temperature measurements at the Air Force Nuclear Engineering Test Facility, 21:35740
HAS, M. The measurement of energy levels' width in the 6-9 MeV region, 25:28219 (NRCN-254)
HASAI, H. Polarization in neutron—proton scattering using 32-MeV polarized neutrons from D—T reaction, 25:53532
HASAN, J. Calibration of stripping film autoradiography in tissue sections labelled with tritium, 21:22272
HASAN, M. Containment of plasmas in resonant-cavity fields, 21:3812
  Potential-well theory of confinement of plasmas, 23:34369 (CONF-680113-(Vol.3), pp 949-86)
HASAN, S. Computer-analyzed counting and scanning, 25:8716
  Methods and applications of quantitative computer-analyzed scanning, 23:6491 (NYO-910-76(App.1))
  Quantitative computer-analyzed scanning, 23:33618
HASAN, S. S. Neutron capture cross-section of ^{115}In at 24 keV, 24:15886
  Study of the average level spacing from neutron-capture cross sections, 23:8969
HASAN, Saad Radioactive isotope instrumentation, data analysis, and organ scanning studies, 23:12147 (NYO-910-75, pp 2-10)
HASANUDDIN, S. K. Inorganic polarography in organic solvents. IV, 22:50930
HASANUZZAMAN, S. M. Study on the time of selection in the successive mutant generations obtained by irradiating seeds of three rice varieties, 21:26682
HASANY, S. M. Radiochemical separation of strontium by isotopic exchange, 21:39019
HASCALL, J. L. Alpha autoradiography of irradiated materials, 21:1916 (BNWL-324)
  Photography in underground radioactive waste storage tanks, 23:40965 (ARH-1206)
HASCHKE, H. Perovskite carbides with rare earth metals, 21:3552
HASCHKE, J. Control of tritium in water and sewage, 25:18360
  Determination of tritium content in water and sewage, 24:22598
  Radioactivity of surface water and sewage in Hamburg, 23:24305
HASCHKE, J. M. Growth and x-ray studies of single crystals of higher oxides of praseodymium and terbium, 25:51467 (CONF-711001-(Vol.1), pp 84-95)
  Thermodynamics of vaporization of samarium and ytterbium dicarbide, 21:34954 (COO-716-028)
HASCHKE, John M. Europium bromides and hydrated bromides, 24:18931 (COO-716-52)
  Hydrothermal equilibria and crystal growth of rare earth oxides, hydroxides, hydroxynitrates, and hydroxycarbonates, 25:42934 (COO-1109-60)
  Incongruent vaporization of nonstoichiometric YbC/sub 1.25 + y/, 24:36965 (COO-716-58)
  Incongruent vaporization of nonstoichiometric YbC/sub 1.25+y/, 25:22160
  Phase investigation of the ytterbium—carbon system, 24:21436
  Preparation and vaporization thermodynamics of europium oxide bromides, 24:36103 (COO-716-56)
  Preparation of Yb and Eu oxides, 24:14887
  Prog. rpt. on solid state chemistry of rare earth oxides, annual, 6/30/69—7/1/70, 24:51219 (COO-1109-52)
  Vaporization of ytterbium dicarbide, 22:27648
  Vaporization thermodynamics of europium monoxide, 23:17435
  Vaporization thermodynamics of europium dibromide, 24:16342 (COO-716-54)
  Vaporization thermodynamics of trieuropium tetroxide, 23:3149
  Ytterbium—carbon system: vaporization of YbC/sub 1.25 + y/, 24:17380 (COO-716-53)
HASDAL, John Allan Electron acceleration associated with strong hydromagnetic waves in a collisionless plasma, 24:47105
HASE, Hirotomo Electronic spectra of trapped electrons in organic glasses at 4°K, 25:29156
  EPR studies on trapped species produced by tritium β particles in alkaline and acid ices at 77°K, 24:31433
  Free radicals of nucleic-acid components induced by radiation from atomic reactor, 22:21126
  Optical absorption and photobleaching of trapped electrons in γ-irradiated alkaline ice, 25:15677
  Paramagnetic relaxation of electrons in alkaline ices, 24:237
  Scavenger effects on electrons produced by γ rays and photoionization in alkaline ices at 77°K, 24:44052
  Trapped hydrogen atoms produced by γ rays in alcohol—water mixtures at 77°K, 24:44053
HASE, Teizo Diffusion of C in Ta and Zr, 24:27788
HASE, W. Structure investigations of two U nitrides U$_2$N/sub 3 + x/, 21:28849
HASEBE, Katsuhiko Diffuse scattering of electrons by defects in crystals. II, 25:17314
HASEBE, Katsuya Analysis of proton—nucleus forward scattering, 23:40122
  Asymptotic behavior of scattering amplitude, 24:3789
  Composite model and high energy quasi elastic scattering, 23:39736
  On pion—nucleon scattering at high energies, 21:17114
  On the phi—π decay mode of the B meson, 24:1576
  Resonances and antishrinkage of diffraction peak, 21:46529
HASEBE, Morikuni Anti-radiation for polymers, 21:42991
HASEBE, Nobuyuki Activation analysis of uranium, 23:47417
HASEGANU, D. Charged-particle discrimination in nuclear emulsion, 24:48268
  Discriminating development of charged-particle tracks in nuclear emulsions. I, 24:33904
  Discriminating development of charged particle tracks in nuclear emulsions. II, 25:23830
HASEGAWA, A. Behavior of wave function of ground state of ^{6}Li, 22:26859
  Benchmark test by various cross section sets for fast reactor analysis in Japan, 25:60210 (JAERI-Memo-4406)
  Drift mirrow instability in magnetosphere, 24:5094
  Hydromagnetic waves and instabilities in the magnetosphere, 24:42595
  Parametric amplification in plasmas with negative energy waves, 23:32536
  Study of beam—plasma discharge. I, 23:7003
  Theory of aurora band, 24:28170
HASEGAWA, A. T. Dose reduction factor for radiation lethality in mice as a function of the dose of mercaptoethylamine, 25:26924
  Radioprotective effect of a chemical mixture in rats, 24:9879
  Value of chemical mixture in multiple supralethal x-irradiation of mice, 23:31824

- HASEGAWA, Akinori Electron spin resonance of γ-irradiated sodium polyphosphate. II, 22:4180
  - ESR study of radiolysis of monocarboxylic acids on silica gel, 22:47171
  - Formation of anion radicals on γ-irradiated silica gel, 23:40761
- HASEGAWA, Akio Method for measuring elongation by neutron activation, 24:16908
- HASEGAWA, Akira Analysis of fast critical experiments and revision of JAERI-fast set, 25:20788 (JAERI-Memo-4215)
  - Chemical and hygienic studies on natural radioactive spa. IV, 25:4711
  - Chemical and hygienic studies on natural radioactive spa. III, 25:13470
  - Chemical and hygienic studies on natural radioactive spa, 25:26743
  - Computer experiment on Ferraro—Rosenbluth problem, 22:7277
  - Computer experiments on plasma instabilities due to anisotropic velocity distributions, 23:23170
  - Drift mirror instability in the magnetosphere, 24:8394
  - Drift-wave instabilities of compressional mode in high-β plasma, 25:40677
  - Drift-wave instability at the plasmapause, 25:47452
  - Evolution of a pulse of charged vortex rings in superfluid helium, 25:33166
  - Gamma spectra of some γ-emitting nuclides used as active ingredient of radiopharmaceuticals, 23:33243
  - Gamma- and x-ray spectra of ^{125}I and ^{197}Hg used as the active ingredient of radiopharmaceuticals, 25:196
  - Group structure and accuracy of group constants in vicinity of 2.85-keV resonance scattering of Na, 25:3928 (JAERI-Memo-4110)
  - Heating of the magnetospheric plasma, 23:23007
  - JAERI fast reactor group constants systems. I, 24:52361 (JAERI-1195(Pt.1))
  - Multi-group constants for fission product nuclides, 25:31304 (JAERI-Memo-4251)
  - Numerical experiment on ion cyclotron heating, 22:44081
  - One-dimensional plasma model in the presence of a magnetic field, 22:44168
  - Parametric excitation and quenching of longitudinal plasma waves, 23:36748
  - Plasma instabilities in the magnetosphere, 25:58895
  - Plasma wave echo excited by two cyclotron waves, 23:36743
  - Plutonium-239 fission product yields and their influence on fast reactor characteristics, 25:20819 (JAERI-Memo-4165)
  - Resonant resistive instability and associated heating of electrons in beam—plasma system, 22:7278
  - Self-trapping instability of plasma cyclotron wave, 24:28364
  - Sheet plasma model for general plane disturbances, 21:11622 (IPPJ-52)
  - Stimulated modulational instabilities of plasma waves, 24:28361
  - Study of beam—plasma discharge. I, 24:15300
  - The wave function of the ground state of ^{6}Li, 22:18119
  - Theory of longitudinal plasma instabilities, 22:26439
- HASEGAWA, Andrew T. Protection by combination treatment in mice irradiated with fission neutrons or x-rays, 23:35773
  - Studies on spleen O tension and radioprotection in mice with hypoxia, serotonin, and p-aminopropiophenone, 21:34704
- HASEGAWA, Carl M. Testicular changes in atomic bomb survivors, 21:4859
- HASEGAWA, H. Abundances of cosmic-ray particles with Z greater than or equal to 3, 24:23841
  - Alpha particle track detection with celluloid films, 22:49116
  - Flux of primary cosmic-ray particles with Z greater than or equal to 3, 22:24081
- HASEGAWA, H. S. Response of seismograph to underground explosion at the Nevada Test Site, 23:40903
  - Short-period P-coda characteristics in the eastern Canadian shield, 24:33809
- HASEGAWA, K. Elastic antip-p scattering at 6.9 GeV/c, 22:39257
  - Formation mechanisms of hydrogen peroxide in titanium sulfate—oxalic acid system by the gamma-ray irradiation, 23:2311 (RFP-Trans-39)
- HASEGAWA, Kazuto γ-ray thickness gauge for hot plate, 24:14335
- HASEGAWA, Keishi Determination of elementary sulfur by means of isotope dilution method, 23:28716
- HASEGAWA, Keisuke Radiation protection against x-ray diffraction apparatus, 25:13457
- HASEGAWA, Ken-ichi Correlator with real time operation, 24:47948 (CONF-680980-, pp 161-73)
  - Time analyzer using binary scalers, 22:38153
  - Time analyzer using binary scalers, 23:47876 (NSJ-tr-150)
- HASEGAWA, Kenji Formulation of Born amplitudes of n-d scattering, 24:20456
  - Variational calculation of neutron—proton scattering, 23:46742
  - Variational principle for n—d scattering, 24:8679
- HASEGAWA, Koichi New varieties of malting barley produced by radiation breeding, 25:8656
- HASEGAWA, Kunihiko Chemical dosimetry using titanium sulfate solution, 22:8393
  - Formation of H_2O_2 in titanium sulfate—oxalic acid system by gamma irradiation, 22:10303
  - Radiolytic decomposition of crystalline iodates by recoil particles, 23:21735
  - Radiolytic decomposition of crystalline inorganic salts by recoil particles. III, 25:31999
  - Radiolytic decomposition of crystalline inorganic salts by recoil particles. II, 25:32000
- HASEGAWA, M. Irradiation tests of several steels for reactor pressure vessels, 24:29987
  - Structure of anomalous coupling states, 24:43505
- HASEGAWA, Masaaki Control device for particle accelerators, 21:19142
- HASEGAWA, Masahide Combined effect of x-irradiation and 5-fluorouracil on Ehrlich ascites tumor in vivo, 24:2715
- HASEGAWA, Masaru Degradation of various rubber and plastic insulated wires, and compounds in exposure to γ radiations, 24:46819
- HASEGAWA, Masayoshi Development of steels for nuclear power plant, 25:4770
  - Domestic reactor steels, 22:2620
  - Draft standards of JIS for steel forgings for nuclear use, 24:17245
  - Effect of heating on fatigue of A302B steel. II, 23:12311
  - Iron and steel used for nuclear reactors, 25:19200
  - Precipitation hardening in Fe—W, Fe—Nb, and Fe—Ta system alloys, 25:16512
  - Precipitation hardening of alloys of Fe—Nb and Fe—Zr series, 23:12312
  - Problems about fuel cladding materials. Stainless steel, 25:37139 (CONF-700211-7)
  - Quarternary alloys of Fe and B, 22:19639
  - Steels for pressure vessel of nuclear reactor. III, 23:14352
  - Strengthening mechanisms of carbon-free iron—boron alloys, 23:34109
- HASEGAWA, Masayuki Neutron irradiation hardening of boron-doped copper, 25:29908
- HASEGAWA, Norio Spectrophotometric determination of Sc(III) with chromazurol S, 21:27904
- HASEGAWA, Ryusuke Electrical resistivity of amorphous metallic alloys, 25:41630 (CALT-822-30)
  - Kondo effect in amorphous Fe—Pd—Si and Co—Pd—Si alloys, 24:47996 (CALT-822-11)
  - Magnetic properties of an amorphous Mn—P—C alloy, 24:53029 (CALT-822-15)
  - Magnetic states in amorphous Fe—Pd—Si alloys, 25:18266 (CALT-822-24)
  - Model for amorphous antiferromagnets, 25:6224 (CALT-822-16)
  - Resistivity minimum in ferromagnets, 25:26091 (CALT-822-25)
  - Simple model for amorphous antiferromagnets, 25:3936 (CALT-822-16)
  - Two currents conduction in Kondo alloys, 25:28844 (CALT-822-28)
- HASEGAWA, S. Construction of nuclear power plant, 25:20563
  - New method of high energy jet shower analysis, 22:32157
  - Remark on 30 GeV jet showers, 21:5354
- HASEGAWA, Seiichi ESR studies on P^{+} ion-implanted Si, 25:36276
  - ESR studies on pyrolyzed and irradiated polyacrylonitrile, 24:46275
- HASEGAWA, Shu Correlation in displacement velocity of liquid film boundary formed on a heated vertical surface in emergency cooling, 24:44196
  - Displacement velocity of calefaction point in the emergency cooling for reactor fuel elements, 25:1901
  - Fundamental studies for emergency cooling of reactor fuel elements. I, 22:33146
- HASEGAWA, Shun-ichi Analysis of high-energy jet shower, Ja 11, 22:5155
  - Atmospheric propagation of cosmic ray and models for multiple production. II, 24:37284
  - Dating by fission fragment tracks, 22:6446
  - Multiple meson production in proton—nucleon interactions at 2.6 and 24 GeV/c, 23:5537
  - Multiple particle production in proton—nucleon interactions, 23:39606
  - New method of high energy jet shower analysis, 22:46325
- HASEGAWA, Susumu Effects of x rays and electrons on malignant tumors, 25:58083
- HASEGAWA, T. Deposition of high-purity Nb films by tetrode sputtering, 25:25036
  - Measurement of spin correlation parameters A/sub xx/ and A/sub yy/ of proton—proton scattering at 50 MeV, 22:26806
  - Spin correlation parameters A/sub xx/ and A/sub yy/ for proton—proton scattering at 47.5 MeV, 24:15788
  - Textiles treated against contamination from radioactive materials, 25:52098
  - Vertical type cryostat for a polarized proton target, 23:44764
- HASEGAWA, Takeo New range measurement of swift electrons without bremsstrahlung effect, 24:32614
- HASEGAWA, Yuko Actinium(III) in various solutions. II, 23:26345
  - Solvent extraction adduct metal β-diketonates with tributylphosphate, 24:9475
  - Studies of the alkaline earth complexes in various solutions. V, 24:44089
- HASEK, M. Host and graft factors in the homing of haematopoietic cells, 25:8616
  - Mechanism of rejection of tolerated skin homografts, 23:16244
  - Protective action of homologous serum component on graft rejection, 24:634
- HASELTINE, M. W. Oxidation of radon in aqueous solutions, 21:23869
- HASELTINE, Marcus Walter Jr. Some solution chemistry of radon, 22:27725
- HASENCLEVER, B. Evaluation of flux distribution by automatic counting of large sets of activation detectors, 21:19966
- HASENCLEVER, D. Filter materials for measurement of radioactive aerosols, 21:32290 (EUR-3178.d)
- HASENFRATZ, P. Construction of effective Lagrangian of pionic processes for arbitrary SU(2) x SU(2) breaking, 25:50125 (KFKI-71-33)
  - Remarks on "a new fit of the parameters for Cabibbo's theory", 25:14632 (KFKI-70-23-HEP)
- HASENKAMP, A. Final safety analysis: annular core pulse reactor, 21:27806 (SC-RR-66-2609 and Suppl.)
- HASENKAMP, F. A. Annular core pulse reactor pulse buildup tests, 22:48737 (SC-DR-68-501)
  - Measured performance of the annular core pulse reactor, 22:33008
- HASENPUSCH, P. An automatic scanning and printing analog-to-digital densitometer, 21:28256
- HASER, L. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
  - Measurements in the radiation belts and artificial ion clouds at an altitude of 2000 km, 21:7105
  - Preliminary results of electric field measurements in the auroral zone, 22:13332
- HASHEMI-TAFRESHI, Jafar Energy source for the solar corona, 25:13907
- HASHER, B. A. Use of chemically doped polystyrene as a polarized proton target material, 21:25369
- HASHI, M. Radioprotective effect of 3'nucleotide under radiotherapy, 21:34735
- HASHI, Masatomo Radiosensitivity of bone marrow stem cells, 21:30874
- HASHIDA, Wataru Gamma-irradiation to mushrooms. I, 24:48739
- HASHIGUCHI, Ryukiti R. Electron irradiation damage and annealing in As-doped n-type Ge, 23:8674
- HASHIGUCHI, Seishiro Effective resistance between cold electrodes in shocked zenon plasma, 23:51639
- HASHIKOKA, T. Concentration to high levels of heavy oxygen (^{18}O) by thermal diffusion method, 23:24387 (MLM-1634(tr))
- HASHIM, A. Cosmic-ray streaming in interplanetary space, 23:42003
- HASHIMOTO, Akira Determination of oxygen in metallic beryllium by vacuum fusion method, 23:6081
- HASHIMOTO, Hatsujiro Drops of oxides on tungsten oxide needles and nuclei of dendritic crystals, 25:8859
  - Images of thorium atoms in transmission electron microscopy, 25:45609
- HASHIMOTO, Hiroshi Charged particles analyzing device, 23:13997
  - Status of in-core monitors development, 23:15580
  - Torus device for thermonuclear fusion equipment: JFT-1, 25:59079
- HASHIMOTO, Hiroyuki High-speed photographing of fast theta-pinch plasma, 25:52789
- HASHIMOTO, Hisako Design and performance of cryopump, 22:301
- HASHIMOTO, Kenjiro Device for transporting an activation-analysis sample material, 22:37691
  - Neutron-generating device, 23:24495
  - Particle accelerating device, 22:9755
- HASHIMOTO, M. Histological findings in the bone marrow of autopsy cases subjected to radiotherapy for neoplasms, 23:8079
- HASHIMOTO, Masahiro Nuclear spin—lattice relaxation in scandium and lanthanum metals, 23:25467
- HASHIMOTO, Masashi Flexible channel multiplier, 23:41151
  - Flexible channel multiplier, 23:41170
- HASHIMOTO, Michio Subacute and chronic histological changes in the irradiated bone marrow, 22:40930
- HASHIMOTO, Norikazu Kinetics of WSi_2 growth on Si, 21:45984
  - Si—WSi_2—Si epitaxial structure, 22:759
- HASHIMOTO, Satoshi Ion radical formation from α-methylstyrene in irradiated organic glasses, 23:31373
- HASHIMOTO, Seinosuke Sea-water desalination in Japan, 25:18217
- HASHIMOTO, Shinzaburo Construction of ML-300 electron linac for Tohoku Univ, 22:22498
- HASHIMOTO, Shizuyo Measurement of electron densities of hydrogen and helium plasma, 25:25090
- HASHIMOTO, Shoji Effect of dose rate on the radiation graft polymerization of acrylonitrile onto poly(vinyl chloride) fiber, 25:54613
- HASHIMOTO, T. ^{3}He cryostat for nuclear orientation by adiabatic demagnetization with a superconducting solenoid, 25:45440
  - Inspection technique on a nuclear reactor vessel, 24:26696
  - Management of effluents from JAPC's nuclear power stations, 25:28624
  - Measurements of reactor neutron flux by fission track method, 24:31692
- HASHIMOTO, Takaji Effects of low dose irradiation on peripheral blood cell counts and their implication to health surveys of radiological personnel, 21:16360
  - Effects of x-ray irradiation on ascorbic acid metabolism, 21:26367
  - Role of fatty acids on recovery of mice exposed to total body irradiation, 21:22632
- HASHIMOTO, Takashi Inspection of JPDR pressure vessel with a borescope, 25:54122
- HASHIMOTO, Tatsuya Requirements for nuclear power reactor siting, 22:14151
- HASHIMOTO, Tetsuaki Chromosome aberrations in accidentally irradiated human subjects, 22:8506
- HASHIMOTO, Tetsuo Chemical behavior of carrier free iodine, 24:20800
  - Comparison of fission track method and alpha particle method for detection of actinide nuclides, 24:27007
  - Detection of radionuclides on electromigrated paper, 23:24106
  - Determination of uranium contents in some rocks based on fission track method, 25:10474
  - Neutron activation analysis of I in Te compounds, 24:27028
  - Radionuclides and hydrogen peroxide in cooling water, 23:49595
  - Rapid separation of natural radionuclides by paper electromigration, 24:5611
  - Szilard—Chalmers reaction of anionic Co complex ions on ion-exchange resins, 21:5977
- HASHIMOTO, Tsunataro Repair welding in radioactive areas on the fuel plug opening of the lower plug of JRR-2 reactor, 21:15777
- HASHIMOTO, U. Titanium production, technology, and research in Japan, 25:32664

HASHIMOTO, Y. Chemila experiment in BeO, 22:4773 (UCRL-7887)
Chemla experiment in BeO, 22:52267
Effect of radiation on germination of spores of Dictyostelium discoideum, 25:47032
Effect of radiation on the spore germination of the cellular slime mold Dictyostelium discoideum, 25:27065
HASHIMOTO, Yoshiaki Propagation of shock waves in inhomogeneous gases. VI, 23:39479
HASHIMOTO, Yoshikazu Preparation of carrier-free radioactive Se and Te, 21:42993
HASHIMOTO, Yuriko Self-diffusion of beryllium in polycrystalline beryllium oxide, 21:41658
HASHINO, T. Transport mechanism of uranium in the iodide process, 22:12420
HASHINO, Tasuke Zero-energy elastic scattering length of positrons from helium atoms, 21:6985
HASHIOKA, Toshiyuki Enrichment of ^{18}O of high concentration by thermal diffusion method, 22:47300
HASHISH, S. Preservation of the sardine Sardinella melanura by low-dose gamma radiation, 21:6744
HASHISH, S. E. Changes in quenching effects of animal plasma and sera with radiation dose, 22:38247 (A-AC-82/G/L-1163)
Radiobiological studies and availability of radiopharmaceuticals for medical applications in U.A.R, 25:51965 (A/CONF.49/P-147)
Uses of radioactive isotopes and radiation sources in biological studies in UAR, 24:44387
HASHITANI, H. Analysis of nuclear fuels, 22:1883 (ANL-Trans-523)
HASHITANI, Hiroshi Chemical analysis of the fuel solution of JRR-1, 25:57320
Determination of Nb in Zr—Nb alloy, 24:22589
Determination of traces of aluminum and manganese in zirconium and its alloys, 21:32111
Separation and determination of ^{95}Zr—^{95}Nb and ^{106}Ru in process solutions, 24:33775
Separation of ^{95} ^{97}Zr and ^{95} ^{97}Nb from fission-product mixtures and irradiated U by an extraction method using 8-quinolinol, 21:6004
Spectrophotometric determination of ruthenium with 8-quinolinol, 24:11446
Spectrophotometric determination of nitrogen in uranium using thymol, 24:43953
Spectrophotometric determination of traces of nitrogen in zirconium and zircaloy using thymol, 25:10442
Use of extraction-photometric technique in activation analysis, 22:1950 (JAERI-1148)
HASHITSUME, Natsuk Kinetic equation for plasma and radiation system. II, 25:40650
HASHITSUME, Natsuki Kinetic equations for plasma and radiation system. I, 25:40649
HASHIZUME, A. Core polarization effect on the magnetic moment of the 8$^+$ state of ^{210}Po, 24:20390
Energy levels of ^{149}Eu in decay of ^{149}Gd, 22:27176
Excited states of even cadmium nuclei studied by $(\alpha,xn\gamma)$ reactions, 24:43381
Magnetic core polarization in the (h/sub 9/2/^{2})8$^+$ state of ^{210}Po, 24:43392
Observations on the sex ratio among infants born to survivors to the atomic bombings of Hiroshima and Nagasaki, 21:8765
HASHIZUME, Akira Sector-type double focusing β-ray spectrometer used as spectrograph, 22:21346
HASHIZUME, Kazumoto Effect of ionizing radiation on soybean protein. I, 25:44393
HASHIZUME, M. Cobalt-60 to cobalt ratios in Hiroshima and Nagasaki, 21:32673
HASHIZUME, T. Applicability of TL fading to estimation of time after irradiation, 23:26592
Estimation of air dose from atomic bombs in Hiroshima and Nagasaki, 21:14668
New thermoluminescence dosimeter of high sensitivity using a magnesium silicate phosphor, 25:57841
HASHIZUME, Tadashi Amount of ^{90}Sr in the bones of leukemia patients and medical exposure they received, 23:33720
Attenuation of 4 to 32 MV x-rays in ordinary concrete, heavy concrete, Fe, and Pb, 25:25202
Characteristics of a fluoride thermoluminescent dosimeter with charge-sensitive amplifier, 21:16211
Estimation of gamma-ray dose from neutron-induced radioactivity in Hiroshima and Nagasaki, 24:4247
Estimation of genetically significant dose equivalent from occupational exposure to external sources of radiation in Japan, 25:55230
Fluorite thermoluminescent dosimeter with charge-sensitive amplifier, 22:19162 (NSJ-tr-99)
Quantity of ^{90}Sr in the bone of leukemic patients, 22:43242
HASHMI, M. Basic loss processes in thermally ionized magnetoplasmas. II, 24:35410
Basic loss processes in thermally ionized magnetoplasmas. I, 24:35436
Behaviour of a Q device in low-density range, 23:30570
Density distribution of atomic beam of Q-device, 23:5379 (IPP-2/66)
Density measurements in a Q-device by resonance fluorescence scattering, Langmuir probe, and microwave methods, 21:35140 (CONF-670104-Pt.2, pp 523-30)
Diffusion and recombination in a Q-device, 23:32395
Effects related to ion cooling in a Q-device, 21:33398 (CONF-670104-Pt.1, pp 79-87)
Ion cooling in Q-device, 21:29196
Langmuir probes compared with other diagnostic techniques in a Q-device, 23:14762
Production and application of Li and Sr plasma in Q device, 25:17192
Production and study of an alkali plasma with negative ions, 24:26220
Production and study of an alkali plasma with negative ions, 24:45244
Single-ended operation of a Q-device, 21:33397 (CONF-670104-Pt.1, pp 35-47)
Surface recombination in contact-ionization plasmas, 24:26211
Types of losses in contact-ionization plasmas, 24:26183
Velocity distribution of particles in contact ionization plasmas, 23:25365 (BMwF-FBK-69-3, pp 12.1-12)
HASHMI, M. F. Control rod calibration and reactivity measurements at Pakistan research reactor, 22:22825 (PINSTECH/RO-4)
HASHMI, M. H. Colorimetric determination of Au(III), 25:34521
Colorimetric reagent (4,4-acetalidine-bis-(3-methyl isoxazolone-5) for determination of Pd and U, 22:27554
Determination of copper, cobalt, and nickel by circular thin-layer chromatography, 22:22976
Micro-separation and identification of forty-six cations, 23:11423
HASHMI, Syed Ziaur Rehman Reaction ^{14}C(p,α)^{11}B at 2.0 to 3.6 MeV and tritium—titanium target degradation, 22:18158
HASIGUTI, R. R. 220°K defect in electron-irradiated p-type germanium, 25:56300
ESR studies of electron irradiation damage and its annealing in As-doped n-type Ge, 22:37000
Frictional force coefficient of a moving dislocation in uranium dioxide with excess oxygen, 24:48897
Irradiation embrittlement of iron and steel, 23:34042
Lattice defects and their interactions, 22:17814
Micro-plasticity of uranium dioxide at room temperature, 21:14845
Neutron irradiation effects on iron containing aluminum and nitrogen, 25:42908
Neutron irradiations of silicon studied by ^{57}Fe Moessbauer effect, 25:56326
One-valley EPR spectrum in electron-irradiated Sb-doped Ge, 25:56298
HASIGUTI, Ryukiti Behaviors of N atoms in irradiated Fe and Fe alloy, 24:25753
Neutron irradiation sensitivity of ferritic steels, 23:22600
HASIGUTI, Ryukiti R. Micro-plasticity of uranium dioxide at room temperature, 21:39694
HASINGER, Siegfried Performance characteristics of electroballistic generators, 22:19833
HASINOFF, M. Giant dipole resonances in ^{11}C and ^{15}O, 25:20277
Isopsin splitting of E1 resonances in ^{88}Sr and ^{90}Zr, 24:6852
T = $^3/_2$ states in ^{11}C, 25:56679
HASINOFF, Michael David Study of the isospin splitting of dipole excitations in intermediate mass nuclei, 25:43950
HASKELL, Brent Alan Electron tunneling measurements on pure bulk thorium, 25:38293 (IS-T-436)
HASKELL, C. C. Method and apparatus for tracing fluid flow through porous media, 21:3336
HASKELL, Donald F. Influence of residual stress on yield and elastic buckling of tubes under external lateral pressure, 23:2477
HASKELL, G. P. Anisotropic fluxes in outer magnetosphere, 23:23018
Energetic particles in outer magnetosphere, 23:3337 (N-68-28765)
Penetration of low-energy solar protons to low geomagnetic latitudes, 24:47145
HASKELL, J. D. Radiation damage by implanted ions in GaAs and GaP, 25:19844
HASKELL, N. A. Analytic approximation for the elastic radiation from a contained underground explosion, 21:27059
HASKELL, P. T. Effects of γ radiation on eggs of Schistocerca gregaria (forsk.), 22:31243
HASKELL, R. E. Effective parameters for Maxwellian and non-Maxwellian magnetoplasmas, 22:44152
Electrical conductivity of magnetoplasmas. II, 22:34623 (AD-660810)
Electrical conductivity of magnetoplasmas. I, 22:34622 (AD-660809)
Transient reflected signals from an anisotropic plasma, 21:7196
Wave phenomena in plasmas, 22:9321
HASKELL, Richard E. Conductivity of weakly ionized, non-Maxwellian magnetoplasma, 21:2219 (AD-630611)
Transient signal propagation in anisotropic plasmas, 24:12854 (AD-695798)
Transient signal propagation in loss-less, isotropic plasmas. I, 21:7207 (AD-634083)
Transient waves in anisotropic plasmas, 24:3430
HASKELL, T. Study of (d + x)/sup n/p/sup m/ configurations using the SU$_3$ group, 25:58787
HASKELL, T. G. Application of group SU$_3$ to theory of many-electron atom, 25:52689
HASKEMI, J. Neutrons as an energy source for the solar corona, 25:33000
HASKETT, J. A. $(\alpha,\alpha'\gamma)$ angular correlation studies of some excited states in ^{24}Mg, ^{26}Mg, and ^{28}Si, 24:15851
Lifetimes of some excited states in ^{24}Mg, ^{26}Mg, and ^{28}Si, 25:50696
HASKETT, James Albert Lifetimes of some nuclear states in ^{24}Mg, ^{26}Mg, ^{27}Al, and ^{28}Si, 25:43854
HASKILL, J. S. Density distribution analysis of in vivo and in vitro colony forming cells in bone marrow, 24:32228
Density distribution analysis of in vivo and in vitro colony forming cells in developing fetal liver, 24:32229
Immune response to sheep erythrocytes, 24:17005
Radiation damage to crystalline ribonuclease, 22:25767
Radiation damage to crystalline ribonuclease, 22:30990
HASKILL, J. Stephen Density distribution analysis of antigen-sensitive cells in the rat, 24:7764
HASKILL, John Stephen Effects of radiation on ribonuclease, 22:36223
HASKIN, F. E. Approximate solutions to the diffusion—kinetic equations, 23:24254
Statistical properties of polyenergetic gamma-ray spectra, 24:36609
Variance—covariance assumptions of gamma-ray spectra, 24:5920
HASKIN, L. A. Analysis for rare-earth elements by neutron activation and Ge(Li) spectrometry, 25:46462
Determination of rare earths by neutron activation, 22:47079
Neutron activation analysis for 39 elements in small or precious geologic samples, 25:46463
HASKIN, Larry A. Determination of ^{210}Pb mean residence time in the atmosphere, 24:33798
Geochemistry of Sc: comparison to rare earths and Fe, 22:10193
Rare earth elements in returned lunar samples, 24:21527
HASKIN, M. A. Determination of rare earths by neutron activation, 22:47079
HASKIN, Marvin E. Possible role of hospital radiology departments in cross infection and antibiotic-resistant bacterial mutagenesis, 24:46628
HASKIN, R. GRASS: remote facilities guide, 25:51281 (COO-1469-188)
HASKINS, Arlie W. Methods of making sources of radioactive energy, 23:40952
HASKINS, F. A. Activities of acid phosphatase, peroxidase, and polyphenolase in etiolated shoots from control and irradiated maize seeds, 21:24342
HASKINS, J. J. Neutron radiography in fast reactor fuel development, 24:402
HASKINS, Jerry Imaging with neutrons, 23:33342
HASKINS, John Nuclear methods for the study of zinc metabolism, 21:35858
HASKO, P. Equality of matrix elements M/sub V/^{2}, M/sub A/^{2}, M/sub P/^{2} in muon capture, 23:15518
HASL, G. Potassium and sodium transport in Ehrlich-ascites tumor cells after x irradiation, 21:22360
Radiation effects on potassium transport by Ehrlich—ascites tumor cells, 23:14133
HASL, Guenther Effect of x-rays on electrolyte transport in Ehrlich-ascites tumor cells. II, 23:6402
HASL, Guenther J. Spectral ion dose exposure rate and intensity distribution of soft x rays from filtration data, 23:17826
HASLAM, C. G. T. 408-MHz survey of Galactic anticentre region, 24:25879
Are the galactic loops supernova reminants, 25:58628
Loop structures: review and interpretation of the observations, 25:38119
Observations of planetary nebulae at three microwave frequencies, 22:8873
Observations of some extended galactic radio sources, 25:30136
The galactic continuum spurs and neutral hydrogen, 24:15093
HASLAM, John L. Deuterium oxide solvent isotope effects on intramolecular hydrogen bonds, 22:10226
HASLAM, R. J. Water-cooled reactors, 22:12038
HASLAM, Robert James Nuclear reactor fuel element assemblies, 22:25173
Nuclear reactor fuel element assemblies, 22:33111
HASLER, A. Neutralization self-solidification process (N.S.S.P.). Status of development work, 24:44068 (NP-18306)
Pilot scale studies on dissolution processes for nuclear fuels. II, 22:40189 (NP-17542)
HASLER, H. G. Data compression method for cosmic ray experiment, 25:431
Measurement of the charge spectrum of primary cosmic rays during the 1965 solar minimum, 23:5255
HASLER, Mary Articular cartilage of mice, 23:31943
HASLETT, J. C. Accidental rocket observation of O$_2$($^1\Delta$/sub g/) in an aurora, 24:45089
Measurement of the effective electron loss rates in the D region during polar cap absorption events, 25:43256
Preliminary results from the 1.27-micron measurements in the Boulder ionospheric modification experiment, 25:7269
HASLETT, James C. Ratio of O$_2$ (0,0), (0,1) transitions, 23:23004
HASLING, W. Agesta reactor plant, 22:30225
HASMAN, A. Inelastic neutron scattering by ^{36}Ar, 23:21230
HASPER, H. Parity nonconservation in β decay of ^{125}Te, studied by Moessbauer effect, 22:46795
HASPER, M. Scanning as documentation in Sjoergren's syndrome, 23:24524
HASQUENOPH, Jean Improvements in pumping devices, 24:41589
HASS, A. Curtis Gonadal exposure of boys and young men treated with inverted Y fields: its reduction and genetic significance, 24:34364
Reproductive factors associated with radiotherapy of malignant lymphomas, 25:19147
HASS, G. Laboratory experiments to study surface contamination and degradation of optical coatings and materials in simulated space environments, 24:44747
HASS, M. (γ,γ') spectroscopy of even-even nuclei, 24:47606
Experimental observation of the nuclear Raman effect, 25:50734
Radiation widths of bound nuclear levels, 25:12447
Raman spectra of Cl$_2^-$ hole-type centers in irradiated alkali halide—alkali borate glasses, 24:8528
Resonance scattering of Ni capture γ rays from a natural Te target, 23:31017
HASSABALLA, Abdel Monem Evaluation of peripheral circulation in diabetics by radioisotopic technic, 22:51788
HASSAKIS, Patricia C. Regional pulmonary blood flow in cystic fibrosis, 23:38682
HASSAN, A. M. Calibration of three-crystal-NaI-pair-spectrometer, 25:34921 (UARAEE-93)
Construction of a three-crystal scintillation pair spectrometer, 25:34922 (UARAEE-100)
Thermal neutron capture gamma-rays in iron, 25:36692 (UARAEE-103)

HASSAN, F. Radiation damage studies of Libyan desert silica glass, 21:40096
HASSAN, Farkhonda Iron in synthetic quartz, 24:12489
HASSAN, H. A. Analysis of MPD arcs with nonequilibrium ionization, 22:39067 (N-68-14559)
Analysis of MPD arcs with nonequilibrium ionization, 23:3520
Anode losses in coaxial Hall current accelerators, 21:27168
Characteristics of a rotating plasma, 21:777
Collisionless sheath near an electrode in the presence of a magnetic field, 25:14300
Drift velocities and thermal flux vectors in a seeded plasma with magnetic fields, 22:13492
Electrode erosion or entrainment in MPD arcs, 24:21643
Instabilities in coaxial Hall current accelerators, 24:17972
Instabilities in linear Hall current accelerators, 21:11626 (NASA-CR-676)
Parametric study of sheath—boundary interactions, 23:12827
Potential and current distribution in MPD arcs, 22:9182
Quasi-ambipolar diffusion in arc discharges in a magnetic field, 25:17187
Screw instability in a linear Hall accelerator, 21:27220
Study of coaxial Hall current accelerators at moderate pressures, 21:13567 (N-66-37298)
Thrust from arcjets with self-induced magnetic fields, 25:30503
Thrust from MPD arcjet, 21:13575
HASSAN, H. A. H. Simulated three-dimensional control of xenon oscillations, 24:7337
HASSAN, H. H. Comparison of calculated and experimental space—time-dependent kinetics, 22:33051
Determination of the dynamic coupling coefficient, 23:4438
Period effect in reactor kinetics, 21:8078
Three-dimensional calculations for PWR cores, 24:33254
Verification of space—time reactor-kinetics analysis, 24:29081
HASSAN, Hassan Abdel Halim Space—time nuclear reactor kinetics, 24:4097
HASSAN, M. A. A ramp generator for very long periods, 22:37620
Automatic start-up system for UA-RR-1 reactor, 25:37083 (UARAEE-108)
Computer evaluation of reactor start-up algorithms, 23:40342
On line estimation of reactor states and parameters from noise measurements, 25:39235 (IAEA-119, 17p.)
HASSAN, M. J. M. Binding energy of a Λ particle in nuclear matter with the new Herndon—Tang Λ—N potentials, 24:42981 (INR-P-1191)
HASSAN, M. M. A. PMR studies of the deuteration and hydration of 4-piperidones, 24:18980
HASSAN, M. Y. M. Binding energy of a Λ particle in nuclear matter with tensor Λ N interaction, 24:15604
Binding energy of a Λ particle in nuclear matter with noncentral Λ—N forces, 24:40409 (INR-1153)
Binding energy of a Λ particle in nuclear matter, 24:47470 (CONF-690557-(Vol.2), pp 776-80)
Binding energy of a Λ particle in nuclear matter with noncentral ΛN forces, 25:14745
Binding energy of Λ particle in nuclear matter with new Herndon—Tang Λ—N potentials, 25:1554
Building energy of a Λ particle in nuclear matter, 24:33025
Theory of nuclear matter with neutron excess, 21:23544
HASSAN, Wahid Effects of oxygen and water content on production of x-ray-induced chromatid aberrations, 24:34390
HASSAN, Y. M. Preservation of the sardine Sardinella melanura by low-dose gamma radiation, 21:6744
HASSE, G. Solid-state precipitation detectors for nuclear tracks, 25:21397
HASSE, J. Superconductive transition temperature of solid solutions in Tl, 23:23039
Superconductivity of quenched condensed Pb—Bi alloys, 22:34559
Superconductivity of quenched condensed Pb—Bi alloys, 25:1096 (UCRL-Trans-1413)
HASSE, Joerg Influence of lattice imperfections on superconductivity of mercury, 21:2184
HASSE, R. W. Dynamic model of asymmetric fission, 23:32945 (BMwF-FBK-68-64)
Ground-state and saddle-point properties of heavy nuclei for dynamic fission theory, 23:28295 (BMwF-FBK-68-46)
Hydrodynamical calculation of effective masses of binary fission, 23:32944 (BMwF-FBK-68-63)
Influence of shell energy on the dynamic model of asymmetric fission, 24:30895
Results of calculations on a dynamic model of asymmetric fission, 23:1936
HASSE, Rainer W. Dynamic model of asymmetric fission, 23:25969
Effective masses for nuclear fission, 22:7771
Fission of heavy nuclei at higher excitation energies in a dynamic model, 25:50769
Ground-state and saddle-point properties of heavy nuclei for a dynamic fission model, 22:53228
Hydrodynamic calculation of effective masses of binary nuclear fission, 21:34033 (LA-tr-67-15)
HASSE, Robert A. Beryllium behavior in the NASA Plum Brook Reactor, 25:51182
Effect of reactor irradiation on properties of a nongalling alloy, 25:42903 (N-71-14040)
HASSELBACH, F. Measurements on distribution of electronic transmission time in photomultiplier valve 58 AVP, 22:2461
HASSELBACK, R. Symptomatic and haematological disturbance following total body radiation, 23:50891 (PHS-999-RH-33, pp 139-44)
HASSELGREN, A. Neutron- and proton-capture gammas measured with lithium-drifted germanium spectrometers, 22:14836
Reaction ^{73}Ge(n,γ)^{74}Ge, 25:28258
Thermal neutron capture gammas measured with Ge(Li)-spectrometers and internal reactor targets, 21:43253
Thermal neutron capture in ^{19}F, 23:8949
HASSELGREN, Arne Germanium(Li)-spectrometer with plastic anticoincidence mantle for gamma analysis of fuel elements, 21:10636
HASSELGREN, D. Excited levels of ^{28}Si investigated by inelastic scattering of 185-MeV protons, 21:42583
Inelastic scattering of 185-MeV protons from Mg and Al, 21:4261
HASSELGREN, L. Decay of ^{131}Ba, 25:20414
Internal conversion studies of transitions populating and depopulating 161-keV level in ^{133}Cs, 24:26642 (UUIP-612)
K, L, and M electron directional correlations in ^{123}Te, 23:32934
Nuclear structure effects in particle parameters for 84.2 keV transition in ^{231}Pa, 23:44939
Parallel plate channel multipliers, 24:44280
Transitions populating and depopulating the 161 keV level in ^{133}Cs, 24:26657
HASSELL, L. D. PM-3A nuclear power plant experience and changes, 21:12214 (MND-3315-1)
HASSELL, L. D. Jr. Radioactive iodine release from PM-3A containment vessels, 21:12215 (MND-M3A-3108(Pt.B))
HASSELMAN, D. P. H. Elastic properties of multiphase ceramic systems, 21:14886 (UCRL-16360)
Single crystal elastic anisotropy and the mechanical behavior of polycrystalline brittle refractory materials, 23:6751
Voigt and Reuss moduli of polycrystalline solids with microcracks, 24:19509
HASSELMANN Low momentum transfer neutron form factors from analysis of deuteron electrodisintegration, 21:2600 (DESY-66/21)
HASSELMANN, D. Low momentum transfer neutron form factors from analysis of deuteron electrodisintegration, 21:12088
Neutron form factors from analysis of deuteron electrodisintegration experiments, 22:13926 (DESY-67/21)
HASSELMANN, Dieter Influence of the (33) resonance on disintegration of deuterons, 22:50319 (DESY-68/38)
HASSELMANN, K. Note on the parallel diffusion coefficient, 25:7203
Scattering of charged particles by random electromagnetic fields, 22:52909
HASSELTINE, E. H. Cesium-ion bombardment of aluminum oxide in a controlled oxygen environment, 22:977
Electron-microprobe determination of the angular distribution of sputtered aluminum atoms, 22:21862
HASSELTINE, Eric Hermon Study of metallic and dielectric sputtering by neutron activation, 22:16468
HASSENZAHL, W. V. Beam survey of intermediate energy meson beam in proton area at ZGS, 21:40300 (COO-1195-96)
Cryogenics and nuclear physics. II, 24:49083
Effects of radiation on superconducting Nb—Ti wire, 25:49070
Evaluation of winding techniques and Nb—Ti wires for superconducting magnet, 24:45660
Measurement of the relative partial decay rates for K^{+-} → $\pi^{+-} + \pi^{+} + \pi^{-}$, 21:33594
Superconducting quadrupole doublet for LAMPF, 25:14860
HASSENZAHL, William Verne Cross sections for π^{+}, π^{-}, K^{+}, and K^{-} mesons on complex nuclei, 21:46482 (COO-1195-99)
Cross sections for π^{+}, π^{-}, K^{+}, and K^{-} mesons on complex nuclei, 22:48230
HASSETT, Scott E. Displacement beam transducer for measuring large displacements at high-vibration frequencies, 24:22569 (UCRL-50814)
Slow-irradiation method for determining specific heats of metals, 24:6186 (UCRL-50637)
HASSIB, G. Neutron dose estimation using a natural uranium fission fragment track personnel dosimeter, 25:57854
HASSIB, G. M. Development properties of fission fragment tracks in natural mica, 25:15775
HASSID, A. Application of spectral analysis to experimental research in the vibrations field, 24:22498
Attempt to use steady-state data for determining critical heat flux in transient conditions, 25:57024
Critical heat flux (CHF) prediction in complex geometries (annuli and clusters) from a correlation developed for circular conduits, 22:33072
Critical heat flux prediction in complex geometries from correlation developed for circular conduits, 24:7572 (CISE-R-276)
Critical power in rod bundle fuel elements cooled with evaporating water, 23:21478
Density of two phase mixtures used as nuclear reactor coolants, 23:26123
Experimental investigation on vibration of 19-rod cluster fuel element cooled by two phase (gas + liquid) flowing mixture, 25:18129
Heat transfer and fluid flow studies for development of a nuclear reactor, 25:34350
Heat transfer crisis with steam—water mixtures, 24:2376 (CISE-R-169)
Heat transfer crisis with steam-water mixtures in round conduits, 22:40304 (EUR-3920)
IETI-3: an out-of-pile facility for heat transfer tests of full scale reactor power channels, 24:39134
Influence of radial power distribution on critical heat flux, 24:33291
Phase and velocity distribution in two-phase adiabatic annular dispersed flow, 22:21269 (EURAEC-1091)
Phase and velocity distribution in two-phase adiabatic annular dispersed flow, 22:21282
Some considerations on critical heat flux in rod clusters in annular dispersed vertical upward two-phase flow, 25:10215
Spacer effects in annular and cluster geometries in two-phase annular-dispersed flow, 21:14378 (EURAEC-1092)
Steam—water mixture density measurements in heated channels at high pressure by means of a quick-closing valve method, 22:20838
Two-phase adiabatic vertical up-flow: preliminary study with rod cluster geometry, 23:31471 (EURAEC-1090)
HASSIG, J. M. Reactor pressure tube vessel, 23:45147
HASSIG, Jean Marc Fuel cluster for nuclear reactor, 22:1836
Nuclear reactor fuel assembly, 22:14347
Support structure for the pressure tubes in a nuclear reactor calandria tank, 21:46978
HASSIG, Jean-Marc Nuclear reactor fuel assembly, 21:46987
HASSLACHER, B. Currents in dual-resonance model, 24:47433
Feynman-parameter approach to N-tower exchange in phi^3 theory, 25:30987
Tower exchange in lambdaphi^3 theory, 25:7720
HASSLER, Edwin Bernard Jr. Editing compilers, their feasibility, and effects, 22:12196 (TID-24213)
HASSLER, Lawrence A. Backscattered spectra in high-energy gamma-ray albedo measurements, 25:40750
HASSLER, O. Cellular kinetics of peripheral nerve and striated muscle after a single dose of x rays, 22:38221
Microangiographic studies on changes in cerebral vessels after irradiation. II, 21:6633
HASSLER, Ove Accumulation of zinc in mouse brain, 22:51327
Experimental radiation lesions of the brain, 25:16225
HASSMANN, K. Siemens' activities in the field of gas-cooled fast reactor development, 25:41389
HASSON, D. F. Relaxation strength per at. percent solute for oxygen in vanadium, 25:16481
Solid solution weakening of bcc solid solutions, 25:651 (CONF-700819-4)
HASSON, Dennis Francis Scavenging effect in solid solutions of group V metals, 25:40042
HASSON, R. Corrosion in fluorinating environment. I, 24:8097
Corrosion of metallic materials in the process of gaseous diffusion, 23:51001
Production of a film on the corrosion of extra-mild steel by uranium hexafluoride, 21:41538
HASSOUN, Abbass M. Negative point-to-plane breakdown in a free-electron gas, 22:34705
HASSOUN, Abbass Mohd Negative point to plane breakdown in a free electron gas, 22:24348
HASTE, G. R. Effect of electron heating on overall efficiency of conceptual mirror fusion reactors, 24:24079 (ORNL-TM-2945)
Effect of electron heating on overall efficiency of conceptual mirror fusion reactors, 25:36088
Use of a hot-electron target plasma for accumulation of energetic ions in stabilized magnetic mirror traps, 25:38363 (CONF-710607-92)
HASTE, Glenn Feedback experiments in a hot electron plasma, 25:27775
HASTE, Glenn Roy Ion cyclotron instabilities in finite plasmas, 25:14348
HASTED, J. B. A quark albedo, 21:20760
Characteristic energy loss of electrons transmitted through argon, 22:19789
Current problems in the experimental study of electronic and atomic collisions, 22:38812
Curve crossing in single electron-capture collisions, 25:38145
Differential scattering with capture for pseudo-crossing systems, 22:29269
Drift measurements of ion—molecule reactions, 23:12562
Electron collision studies with trapped positive ions, 21:11397
Energy dependence of reactions of O^{+} with N$_2$, O$_2$. I, 21:39834
Energy dependence of reactions of O^{+} with N$_2$ and O$_2$. II, 22:9023
Ion—atom interchange studies, 22:29292
Resonance scattering of electrons by diatomic molecules, 23:22871
Study of inelastic collisions by drifting ions, 21:3667
HASTED, J. P. Energy dependence of reactions O^{+} with N$_2$ and O$_2$. I, 22:9022
HASTERLIK, R. J. Late effects of radium deposition in man, 25:24431
Ophthalmological aspects of carcinoma of the sphenoid sinus induced by radium poisoning, 23:29820 (ACRH-30, pp 92-6)
Radiobiological parameters in human cancers, 24:34721
Radium-induced malignant tumors in man, 23:29819 (ACRH-30, pp 69-91)
Skeletal lesions in man after acquisition of radium burden, 24:2659
HASTERLIK, Robert J. Argonne radium studies, 23:22426 (ANL-7531)
Argonne radium studies, 25:8669 (COO-2088-1)
Argonne radium studies: computed radiobiological indices, 24:46607 (ANL-7680)
Clinical consequences of protracted exposure to fallout, 22:38417 (ACRH-1000-59)
Radium-induced malignant tumors in man, 23:38799
HASTI, D. E. Resistive loading by a finite plasma cylinder, 25:19653
HASTI, David Edward Radio-frequency plasmas near lower hybrid resonance, 23:42266
HASTIE, J. W. High temperature chemistry: stabilities and structures of high temperature species, 24:48084
Infrared spectra and geometries of SrCl$_2$, BaCl$_2$, EuCl$_2$, EuF$_2$, PbCl$_2$, and UCl$_2$, 25:29086
Infrared spectra of silicon difluoride in neon and argon matrices, 23:28799

Mass spectrometric studies at high temperatures. XXV, 22:2046
HASTIE, R. J. Adiabatic invariants and equilibrium of magnetically trapped particles. II, 21:11667 (CLM-R-63)
Adiabatic invariants and the equilibrium of magnetically trapped particles, 21:18772
Non-adiabatic behaviour of particles in inhomogeneous magnetic fields, 23:32426
Nonadiabatic behavior of radiation-belt particles, 25:58907
Stability theory of general plasma equilibria. II, 25:33299
HASTINGS, C. H. Strength predictions for graphite, 22:43007
HASTINGS, Frank W. Use of radioisotopes in artificial heart devices, 25:44556
HASTINGS, G. W. Radiation grafting of polysulphides to wool, 24:16577
HASTINGS, I. J. Effect of concentration upon helium precipitation in irradiated copper—boron alloys, 21:32941
Temperature-dependent swelling in irradiated U$_3$Si fuel elements, 25:6917
HASTINGS, J. D. Yields of ^{103}Mo, ^{105}Mo, and ^{106}Mo from thermal-neutron induced fission of ^{235}U, 23:31006
HASTINGS, J. M. Critical scattering of neutrons from RbMnF$_3$, 24:24167
Neutron-diffraction study of the pseudobinary system ErCo$_2$—ErAl$_2$, 24:30402
Research experience with the high flux isotope reactor (HFIR) and the high flux beam reactor (HFBR), 25:39284 (A/CONF.49/P-53)
HASTINGS, James Donald Fractional cumulative yields of ^{103}Mo, ^{105}Mo, and ^{106}Mo from the thermal neutron fission of ^{235}U, 22:18303
HASTINGS, L. Deterioration depth in ZnS:Ag under prolonged bombardment by heavy ions, 21:37615
Energy loss of heavy ions in ZnS:Ag in the keV energy range, 21:37616
Light output for heavy ions in ZnO: Zn, 22:13586
Radiation damage in ZnO:Zn by heavy ions, 22:9457
Scintillation response of thin ZnO:Zn phosphor regions, 23:47912
HASTINGS, R. M. Neutron slowing down time kernel for graphite, 25:6160
HASTINGS, R. N. Dependence of the micropulsation periods on the size of the magnetosphere, 23:42096
HASTWELL, B. T. Development and manufacture of some important components for the prototype fast reactor at Dounreay, 25:54071 (A/CONF.49/P-482)
HASTY, R. A. Gas chromatographic method for the microdetermination of iodine, 25:41745
Isotopic exchange study on thorium peroxide, 25:29089
Prog. rpt. on washout of methyl iodide by hydrazine sprays, 9/67, 22:14477 (BNWL-530)
Removal of airborne methyl iodide from simulated reactor-containment atmospheres by hydrazine sprays, 22:5965
Removal of methyl iodide from simulated reactor containment atmospheres with hydrazine, 21:25618 (BNWL-SA-821)
Volatilization of polonium from bismuth oxide, 22:144
Washout of methyl iodide by hydrazine sprays, 23:11253 (BNWL-935)
HASUIKE, J. K. Development of ion exchange processes for the removal of radionuclides from milk, 25:26335 (RO/EERL-71-1)
HASUMI, K. Status on site selection problem for Nuclear Power Station in Japan, 24:45913 (CONF-700810-27)
HASUNUMA, K. Nuclease mutants in Neurospora, 24:7804
HASUYAMA, Hiroki Multi-capillary nozzle for atomic beam, 23:39298
Polarized ion source, 25:33912
HATA, Keiko Gamma-irradiation to mushrooms. I, 24:48739
HATA, Taeko Application of pharmacology to animal group psychology, 25:28874 (ORNL-tr-2447)
HATA, Toshihiko Determination of Mo in steel, 23:40544
HATADA, Motoyoshi Effects of irradiation on platinum—oxygen electrode, 24:11554 (JAERI-5022, pp 13-17)
Fragmentation of alkyl ketones by electron impact and its theoretical explanation, 21:4501
Ionization and dissociation of aliphatic ethers under electron impact, 22:8109 (AEC-tr-6908, pp 201-10)
Mass spectra of pyridine and picolines, 22:8052
Mass spectra of pyridine and picolines, 22:42647 (AEC-tr-6937, pp 104-8)
Radiation effects on some metal acetylacetonates, 24:11577 (JAERI-5022, pp 175-9)
HATADA, Moyoyoshi ESR spectra of irradiated beryllium acetylacetonate single crystal, 25:10623 (JAERI-5026, pp 157-60)
HATAKEYAMA, Jun-ichi Computer control in thermal and nuclear power plants, 24:46028
HATAKEYAMA, Tadashi Microautoradiography of tritium-labeled compound in vivo. III, 21:41323
Microautoradiography of tritium-labeled compound in vivo. II, 21:41326
HATANAKA, Midori Effect of ultraviolet rays in the refrigerator, 21:18200
HATANAKA-ERNST, Margrit Developmental physiology studies on the radioinduced protonema mutant of F. hygrometrica, 21:24377
HATANO, H. Photo-induced reversible hole transfer in γ-irradiated single crystal of N-acetyl DL-methionine, 25:48550
HATANO, Hiroyuki Chemical and enzymatic properties of γ-irradiated subtilisin BPN, 25:35109
Comparative aspect of radical species produced from several benzene derivatives by photo and ionizing radiations, 25:37431
Comparative study of the effects of uv and electron-beam irradiation on diphenylamine by electron spin resonance technique, 25:37430
Gamma-ray irradiation facility for biochemical research, 21:12556
Radiolysis of cystine in aqueous solution by gamma irradiation, 21:12454
HATANO, Hisakazu Cooling device for a linear accelerating tube, 21:29820
HATANO, Juichi Method for construction of an accelerating tube, 21:5450
HATANO, S. Elastic photoproduction of π^0 mesons from deuterium around the $N_1{}^*{}_2(1525)$ resonance, 22:24537
HATANO, Shigeaki Photoproduction of pions at the second pion—nucleon resonance, 21:35287
HATANO, Yoshihiko Hydrogen formation and superexcited states in the radiolysis of liquid olefins, 22:25377
Hydrogen formation in radiolysis of liquid olefins, 22:42782
Hydrogen formation in the radiolyses of liquid butene-1 and trans-butene-2, 21:36027
Hydrogen formation in the radiolysis of liquid n-butane, 23:4674
Ionic processes in the radiolysis of nitrous oxide, 22:47176
Primary processes of hydrogen formation in the gas- and liquid-phase radiolysis of propane, 24:22677
Radiolysis of liquid n-butane, 25:54659
Uncharged transient species in radiation chemistry, 25:18454
Water formation in the gas phase radiolysis of nitrous oxide—hydrocarbon mixtures, 25:31992
HATAYAMA, Takeshi Five cases of rib fractures following postoperative x-ray treatment of the breast cancer, 21:28657
HATCH, Albert J. Containment of plasmas in resonant-cavity fields, 21:3812
Eigenvalues of microwave cavity filled with plasma of variable radial density, 24:30343
Frequency-shifting method of exciting a plasma in a resonant cavity, 23:18666
Frequency-shifting method of exciting plasmas, 23:34370 (CONF-680113-(Vol.3), pp 987-1024)
Plasma heating and confinement, 24:26146.
Potential-well theory of confinement of plasmas, 23:34369 (CONF-680113-(Vol.3), pp 949-86)
HATCH, D. E. Enriched-uranium production planning, 23:38197
HATCH, E. N. Concerning internal conversion coefficients in ^{180}Hf, 21:31790
Decay of ^{91}Y, 21:19268
Gamma-ray measurements with a bent-crystal spectrometer, 24:49890
Measurement of α/sub K/ for the 91.5-keV E2 transition in ^{166}Er, 22:50653
Measurement of α/sub K/ for the 91.5 keV E2 transition in ^{166}Er, 23:17127
Measurements of α/sub K/ for 84.3-keV transition in ^{170}Yb and 80.6-keV transition in ^{166}Er, 23:23695
Measurements of some gamma-ray relative intensities and internal conversion coefficients using a bent-crystal monochromator, 22:16005 (IS-1730)
Method for least-squares analysis of gamma-ray scintillation spectra using a bent-crystal monochromator, 21:12046
Nuclear spectroscopic studies with a semiconductor detector coincidence system, 21:10604 (IS-1478)
HATCH, F. T. Ecology and radiation exposure of kangaroo rats living in a tritiated environment, 25:6666
Radiation effects on poly-dat from intramolecular tritium, 23:29298 (UCRL-50559)
Studies on liver DNA in tritiated kangaroo rats living at Sedan Crater, 22:49184 (UCRL-50461)
HATCH, Frederick T. Metabolic correlations with hyperlipidemia, 21:35826 (UCRL-70498)
HATCH, G. F. Triplet—triplet annihilation and delayed fluorescence in isotopic mixed crystals of benzene, 22:33317
HATCH, George Laurie Neutral meson photoproduction from H in photon range 750 to 1500 MeV, 21:46462
HATCH, Kenneth Aspects of resolution degradation in a nuclear pulse analyzer system, 22:28233
HATCH, L. High current pulsed electron beam generator, 25:50397
HATCH, L. P. Decontamination of melter off-gas condensates from the phosphate glass process by distillation, 24:13992 (BNL-50184)
Development of the phosphate glass process for ultimate disposal of high-level radioactive wastes, 23:43380 (BNL-50130)
Disposal of solid wastes generated in fluidized-bed fluoride volatility fuel reprocessing, 23:26491 (BNL-50139)
Experimental studies on high-gravity rotating fluidized beds, 21:22089 (BNL-50013)
Low-temperature adsorption of krypton on solid adsorbents, 25:23644 (BNL-50254)
Phosphate glass process for disposal of high level radioactive wastes, 21:32243
Process for decladding zirconium from zirconium clad nuclear fuel elements, 21:3157
Scale control in high temperature distillation utilizing fluidized bed heat exchangers, 25:8152 (NP-18537)
Separating salts having inverted solubility curves, 22:30652
HATCHER, Bobbie-Jean Indexes to 563 unclassified documents on civil defense, 22:21498 (ORNL-CD-4)
HATCHER, R. D. Low-temperature volume expansion of LiH:LiT, 24:26294
HATCHER, Robert D. Prog. rpt. on radiation induced defects in LiH, 12/66, 21:8328 (NYO-3657-1)
Prog. rpt. on radiation induced defects in LiH, 12/67, 22:7350 (NYO-3657-2)
HATCHER, S. R. Composition and physical properties of organic coolants, 21:10367 (AECL-2644)
Heat transfer, impurities, and fouling in organic coolants, 21:19342 (AECL-2642)
Present status of Canadian organic-cooled reactor technology, 22:30327
Radiation and thermal decomposition of terphenyls and hydroterphenyls, 21:8325 (AECL-2641)
Status of Canadian organic cooled reactor technology, 22:16261 (AECL-2943)
HATCHER, Stanley R. Protection of Zr alloys against organic coolants, 24:32379
HATCHYA, M. Fast-neutron capture cross-sections of Cr, Fe, Ni, and Mo, 25:14970
HATEGAN, C. (d,p) reaction anomaly at threshold of neutron analog channel, 25:53824
Direct interaction with channel coupling. II, 23:45014
Direct interactions with coupled channels. I, 24:20450
Irregular solution of a system of coupled Schroedinger equations, 25:7515
Polarization from scattering of 6 to 10-MeV protons by ^{24}Mg, 25:1728
Polarization in nuclear reactions, 23:45013
Polarization of elastically scattered protons on Al, Mg, Cu, Zn at 6.6 and 7.4 MeV, 21:29940
Polarization of elastically scattered protons on Al, Cu, Zn, and Mg nuclei at low energies, 24:18377
Polarization phenomena in nuclear reactions, 24:20451
Reaction ^{7}Li(p,α)^{4}He in 0.5- to 7-MeV energy range, 22:3619
Resolution of a system of coupled Schroedinger equations, 23:36813
HATFIELD, C. Ann Immediate behavioral detection of x rays by the rhesus monkey, 23:16378 (AD-660580)
HATFIELD, J. Nuclear activity, 24:50741
HATFIELD, J. E. Hot isostatic processing, 25:16432
HATFIELD, L. L. Intense polarized electron beams from optically pumped helium discharges, 23:22905
Polarized ^{3}He-ion beam, 22:22510
HATFIELD, Lynn LaMar Measurement of Lamb shift at the n = 4 level in ionized helium, 22:1017
HATFIELD, M. Possible hazard from nuclear submarine corrosion products, 25:19014
HATFIELD, Philip M. Postirradiation sarcoma. Including 5 cases after x-ray therapy of breast carcinoma, 24:48722
HATFIELD, Thomas W. Gross beta radioactivity in Fucus hybrids (rockweed) from Niantic estuary, Connecticut, 1961—1964, 22:40694
HATHAWAY, B. J. Polarisations of Cu(II) and uranyl electronic spectra of meta-zeunerite single crystals, 23:13726
HATHAWAY, C. W. First refueling of the N. S. Savannah, 24:46105
HATHAWAY, D. O. Field releases of codling moths sterilized by tepa or by gamma irradiation, 24:34825
Reduction of sexual aggressiveness of male codling moths treated with tepa or gamma irradiation, 25:13557
HATHAWAY, W. E. Acridine orange viability test applied to bone marrow cells. II, 21:12894
HATHAWAYS, John W. Effect of pulsed, short waves on alveolar healing, 23:38807
HATJIFOTIADES, D. Radionecrosis of jaw, 24:32127
HATMOSOEWARNO, S. Effect of sterile Scirpophaga on sugar cane plantations, 24:32325
HATONO, Sotaro Honeycomb block used for collimation of radiations and method of manufacturing the same, 25:18856
HATORI, T. Unstable bgk solution due to excitation of an ion acoustic wave, 25:7424 (IPPJ-99)
HATORI, Tadatsugu Kinetic equation for a weakly turbulent plasma taking collisions into account, 22:36935
Longitudinal dielectric permeability of quiescent or turbulent plasmas, 23:25360
Nonstationary properties of a marginally stable plasma, 23:39497
Renormalized quasilinear theory for weakly turbulent plasma, 23:34437
HATSOPOULOS, G. N. Prog. rpt. on thermionic research, 3—6/68, 23:20738 (N-68-31492)
HATSUDA, Jinichiro Radon content at Awara Hot Springs, 23:31421
Trial method of determining U and Th content in rocks by the radioactive measurements. II, 21:42896
HATSUSHIKA, Yoshihiko Nuclear structure of ^{124}Te, 25:31346
HATT, B. A. Phase transformations in superconducting Ti—Nb alloys, 22:48063
HATT, William A. Temperature of the inner corona with the sunspot cycle, 22:17231
HATTA, H. Core temperature analyses for loss-of-coolant accidents of light water reactor, 25:20762 (JAERI-Memo-4194)
HATTA, Hiroshi Effects of space dependency on reactor kinetic analysis, 25:54264 (JAERI-Memo-4352)
Fast transient analysis for light water power reactor by EUREKA, 25:23311 (JAERI-1201)
HATTA, Osamu Balneotherapy of radiation injuries, 23:887
Balneotherapy of radiation injuries. XVII, 23:882
Balneotherapy of radiation injuries. XVIII, 23:888
Balneotherapy of radiation injuries. XX, 23:16361
Balneotherapy of radiation injuries. XXIV, 23:16360
Balneotherapy of radiation injury. XXVIII, 25:26897
Hot spring therapy for radiation injury. XXIII, 23:16362
Hot spring therapy for radiation injury. XXV, 24:21220
Hot spring therapy of radiation injury. XXVI, 25:4610
HATTA, Y. Anisotropy of electron temperature in a magnetized plasma, 25:40608
Decay instability of electron wave into lower and upper hybrid frequencies, 22:29488
Deposition of atoms sputtered in an abnormal glow discharge, 21:33185
Harmonics in ion wave propagation, 22:41574
Low-frequency electrostatic waves in a magnetic field with collisions, 24:51736
Oscillations in ion beam—plasma system, 25:52812
Space-charge waves on plasma columns in a weak magnetic field, 25:30618

HATTA, Yoshisuke Anisotropic propagation and damping of ion—acoustic waves in current-carrying plasma, 22:3051
  Decay of neutral wave into ion waves, 23:1472
  Effect of viscosity of plasma instabilities, 22:17704
  Electrostatic low-frequency oscillations in an inhomogeneous magnetoplasma, 25:3163
  Excitation of ion waves in a weakly ionized current-carrying plasma, 21:2243
  External excitation of space charge waves in rf discharges, 23:44408
  Growth and damping rate of resistive instability in gaseous plasma, 23:14817
  Langmuir probe current in turbulent flow of weakly ionized gas, 21:37480
  Low-frequency oscillations in a weakly ionized plasma in crossed electric and magnetic fields, 21:7256
  Measurement of growth and damping rate of resistive instability in gaseous plasma, 21:23225
  Propagation of two ion waves, 23:36745
  Transition from a moving striation to a helical oscillation in a positive column, 21:9633
  Wave—wave coupling in ion wave propagation, 24:26254
  Wave—wave coupling in ion wave propagation, 25:9513
HATTANGADI, V. A. Energy distribution light charged particles from thermal fission of ^{235}U, ^{239}Pu, and spontaneous fission of ^{252}Cf, 22:32634
HATTEN, Bernard W. Nucleonic measuring apparatus with automatic fire safety radiation source shutter closing and locking means responsive to high temperatures for blocking the path of the shutter movement to open position, 25:35038
HATTENBACH, K. Dose measurements obtained by a simple adiabatic calorimeter, 23:50189
  In-pile loop facility for irradiation of materials at temperatures up to 400°C, 21:32041
  Radiation investigations of a new organic coolant for reactor technology, 21:28872
  Radiolysis of dibenzyltoluene, 23:13776
HATTENBURG, Albert T. Prog. rpt. on stable uv source and techniques, annual, 1/1/65-12/31/65, 21:6334 (N-66-28024)
HATTERER, A. Action of alkali metal vapors on trioxides of Mo and W, 21:43628
  Influence of the water content in oxygen on the kinetics of oxidation of sodium and potassium, 21:43600
HATTERSLEY, P. M. Particle production from copper and uranium targets by 8 GeV/c protons, 22:22309
  Structure in the K^--nucleon total cross sections between 600 and 1400 MeV/c, 21:9720
HATTMAN, Elizabeth A. Solid and gaseous fuels, 25:31786
HATTON, A. P. Influence of surface roughness and wetting additive on pool boiling, 21:41136
HATTON, C. J. Barometric coefficients of multiplicities in neutron monitors, 23:5260
  Evidence for a cosmic-ray gradient perpendicular to the solar equatorial plane, 25:40405
  Lifetime of neutrons in cosmic-ray neutron monitors, 22:12576
HATTON, D. Comparison of measurements and calculations of neutron spectrum in LIDO experimental shields, 23:13532 (AERE-R-5773(Vol.2), pp 571-96)
  Neutron spectrum measurements in fast reactor assembly Vera 19A and tests of time-of-flight spectrometry method in Vera 5A and Viper 1, 22:35653
HATTON, G. C. Nuclear reactor fuel assembly, 23:19499
HATTON, J. R. Crosslinking of polypropylene, 21:5918
HATTON, V. W. Daresbury Faraday cup, 22:46681
  Symposium on beam intensity measurement, Daresbury, Eng., 4/68, 22:46671
HATTORI, Chuichiro Chiral invarient Lagrangian with massive gauge fields, 25:59449
  Nonlinear realizations of groups and chiral transformations in the quark model, 24:47494
  Single pion production in low energy pion—nucleon scattering, 23:42678
HATTORI, Chyutestu Electron temperature measurements of a high frequency discharge in a helium gas, 23:1398
HATTORI, Chyutetsu Microwave conductivity in a turbulent plasma with a magnetic field, 23:8616
HATTORI, D. M. Instrumental analysis for trace elements present in Chicago area surface air, 24:31505
  Thermal neutron activation analysis of airborne particulate matter, 24:107
HATTORI, Donald M. Thermal neutron activation analysis of surface air, 24:9245
HATTORI, H. Annealing of p-type Ge following electron irradiation at 77°K, 22:37013
  Effect of irradiation on renal enlargement, 24:23365
  Electron traps formed in gallium-doped germanium by electron irradiation, 21:44201
HATTORI, Hiroshi Deposition of radioactive fallout of 4th communist Chinese nuclear test, 23:2422 (NSJ-tr-132)
HATTORI, Hiroyuki Calculation and correction of field inhomogeneities of a betatron, 22:11759
  Coil circuit for moving the orbit of electrons, 24:6791
  Comparison of radiotherapy regarding dose and damage, 23:20295
  Dose distribution in high energy electron beam therapy, 22:24772
  Effect of magnetic core construction on electron orbits in the betatron, 24:13230
  Electron dose distributions near the body surface, 23:43764
  Influence of bone tissue upon dose distribution in high-energy electron beam therapy, 23:38572
  Influence of bony tissue upon dose distribution in high energy electron beam therapy, 23:16300
  Maintenance of electron beam stability in medical betatron, 23:21197
  Method for adjusting the nonuniform magnetic-field distribution for a betatron, 21:5455
  Method for injecting electrons into the betatron circular tube, 21:19143
  Optical transfer function of scintillation camera, 22:43045
  Optimum energy in supervoltage x-ray therapy, 23:33793
  Shimadzu 20 MeV medical betatron, 24:20294
  Shimadzu 32-MeV medical betatron, 22:53057
  Shimadzu high intensity 20-MeV medical betatron, 25:41155
  Volume dose and integral damage in various radiotherapeutic techniques, 24:12311
  X-ray generating device in the betatron, 23:7207
HATTORI, Hitoshi Analysis of Rb and Sr in rocks, 23:45191
HATTORI, M. Accidents in atomic installations, 24:50940 (UCRL-Trans-10471)
  Gamma rays from /sup 109m/Pd, 21:25478
HATTORI, Manabu Accidents at atomic facilities, 24:4080
  Consideration on the diagnosis of malignant tumor with P-I-N type semiconductor detector, 22:45288
  Fabrication of a large volume Ge(Li) detector, 24:11779
  Gamma ray spectra of radioactive fallout with Ge(Li) detector, 22:36259
HATTORI, S. Reliability aspects of safety evaluation of nuclear power plants, 25:5937 (RISO-214, pp 457-79)
HATTORI, Sadao Behavior of radioactive iodine, 22:14150 (WAPD-Trans-84)
  Iodine behavior, 21:17483
  Prompt response to load change by extraction flow control, 23:49556
HATTORI, T. 0^+ states in Mo isotopes from (p,t) reactions and anomalies in the new transitional region, 25:48104
  Moisture-detection efficiency and geometry of β-ray measurements, 22:10617
HATTORI, Taikichi A measurement system for beta rays, 21:39281
  Approximate moisture detection by neutrons using a moderator, 21:21900
HATTORI, Takeo Initial-state sintering of active BeO powder, 23:41721
  Properties of various BeO powders and their sinterability, 23:39029
  Properties of various BeO powders and their sinterability, 24:27837
HATTORI, Takeshi Effect of radiation in reactively sputtered Al_2O_3—Si structures, 25:10905
  Excitation-induced infrared optical absorption in silver and alkali halides, 24:3446 (ISSP-A-382)
HATTORI, Toshihiko Effects of the resonance-scattering amplitude in nucleon—antinucleon reactions, 25:36491
HATTORI, Toshikiko Concept of duality and πN scattering, 24:42972
HATTORI, Yoshio Consideration of eigenvalue sensitivity for a reactor system, 25:54258
  MHD power generation with a nuclear reactor as heat source, 25:40422
  Optimal control of steady state neutron flux distribution in slab reactors, 25:39336
HATTORI, Yukihiko Effect of DEPC on radiosensitivity of mold spores, 25:21736
HATTULA, J. Decay of ^{119}Te isomers and structure of ^{119}Sb, 22:35327
  Decay of ^{119}Te isomers and structure of ^{119}Sb, 24:18422
  Decay of 30s /sup 106g/Rh, 22:35328
  Directional correlations of some γ-ray cascades in ^{199}Hg, 25:12527 (NP-18613)
  Directional correlations of some γ-ray cascades in ^{200}Hg, 25:20400
  Gamma transitions in ^{152}Sm, 25:28397
  Level structure of ^{120}Sn from decay of ^{120}In and ^{120}Sb isomers, 25:17865 (NP-18598)
  Level structure of ^{120}Sn from decay of ^{120}In and ^{120}Sb isomers, 25:20401
  Levels of ^{118}Sn populated in decay of ^{118}In and ^{118}Sb isomers, 24:11006
  Levels of ^{82}Kr from decay of 35 h ^{82}Br, 24:6868
  Multipole character of some gamma transitions in ^{152}Sm, 25:14985 (NP-18615)
  Multipole character of some gamma transitions in ^{152}Sm, 25:46077
  New isomeric state in ^{118}In, 23:19310
  Simultaneous recording of true and random coincidences using a two-parameter analyzer system, 25:10894 (NP-18614)
  Simultaneous recording of true and random coincidences using a two-parameter analyzer system, 25:32254
  Theoretical correlation coefficients as functions of the mixing ratio delta for triple γ-ray cascades with intermediate transition unobserved, 25:25719 (NP-18644)
  Use of the integral-bias summing coincidence spectrometer in directional correlation measurements, 23:681
HATTULA, T. Decay of ^{119}Te isomers and structure of ^{119}Sb, 22:35327
  Decay of ^{119}Te isomers and structure of ^{119}Sb, 24:18422
  Disintegration of the two isomers of ^{84}Br (31.8 min and 6.0 min), 25:12444
HATTULA, Tuulikki Accumulation of ^{137}Cs in Finnish Lapps, 24:41789
  Body burdens of ^{137}Cs of Finnish Lapps in Spring 1969, 23:41302 (NYO-3446-13, Paper 21)
  Gamma-spectrometric identification of fallout nuclides with a Ge(Li)-detector, 22:23314
HATUDA, Zinichiro Determining U and Th contents in rocks by radioactive measurements. II, 21:4452
  Trial method of determining U and Th content in rocks by radioactive measurements. II, 22:33209 (NSJ-tr-103)
HATUDA, Zin'itiro Determining U and Th content of rocks by neutron activation, 21:45039
  Method of determining U and Th content of rocks in radioactive disequilibrium by neutron activation analysis. I, 21:25807
  Trial method of determining uranium and thorium content in rocks by radioactive measurements. III, 21:23847
HATZAKIS, M. Forming scintillators for electron collectors, 24:11794
HATZFELD, J. Comparison of lethal effects of ionizing or uv radiations with the suicide effect, 24:673
HATZIKAKIDIS, Athan D. Conference on solar and aeolian energy, Sounion, Greece, 9/61, 21:24957
HATZILAU, I. K. Stability analysis for a moderated in-core thermionic reactor, 24:33461
HATZOPOULOS, G. Early morning effect on F-region from ground station observations, 21:33281
HATZOPOULOS, G. J. Predawn enhancement of 6300-A airglow in conjugate regions, 24:1325
HAUBACH, W. J. Isotope and ortho-para separations of the molecular hydrogens by adsorption at low temperatures, 25:8332
  Low-temperature chromatographic separation of isotopic hydrogens at 27 and 55°K, 21:19733
  Prog. rpt. on stable gaseous isotope separation and purification, 1-3/66, 21:1419 (MLM-1352)
HAUBACH, Walter J. Thermomolecular pressure difference measurements for precision ^{3}He and ^{4}He vapor-pressure thermometry, 21:13481
HAUBELT, I. Course of phase transformation and grain refinement in low percentage alloys of uranium with iron, aluminum, and silicon, 25:49454 (UJV-2526-M)
HAUBENREICH, P. N. Advances in the development of molten-salt breeder reactors, 25:39209 (A/CONF.49/P-48)
  Experience with the MSRE, a step in the development of a thermal breeder, 22:6006
  Fluorine production and recombination in frozen MSR salts after reactor operation, 25:155 (ORNL-TM-3144)
  Molten Salt Reactor Experiment, 23:21501 (ORNL-4344, pp 1-52)
  Molten salt reactors, 23:33031
  Molten-salt reactor experiment, 24:18677 (ORNL-4449, pp 1-38)
  Molten-salt reactor progress, 23:23931
  Molten-salt reactor progress, 23:33059
  MSRE design and operations report. XI, 21:7894 (ORNL-TM-911)
  MSRE design and operations. V-A, 22:14140 (ORNL-TM-2111)
  Plans for post-operation examination of the molten-salt reactor experiment, 24:26740 (ORNL-TM-2974)
  Spray, mist, bubbles, and foam in the molten salt reactor experiment, 24:46044 (ORNL-TM-3027)
  Zero-power physics experiments on the molten-salt reactor experiment, 22:16157 (ORNL-4233)
HAUBENREICH, Paul N. Experience with the molten-salt reactor experiment, 24:11207
  Maintenance of Molten Salt Reactor Experiment, 25:6059
  Recent experience with the molten-salt reactor experiment, 23:4268
  Safety aspects of the molten-salt reactor experiment, 21:25685
HAUBER, J. R. Creep study on high-purity polycrystalline beryllium, 22:49726
HAUBERT, A. Correlations between ionospheric winds in E region and phenomena in lower atmosphere, 24:37345
  Improvement in devices to measure the winds and diffraction of radioelectric waves in the ionosphere, 21:9409
HAUBERT, N. Lattice characteristics determination by pulsed neutron technique, 23:11301 (RCN-98, pp 493-521)
  Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35593 (EURAEC-1882)
HAUBERT, P. Fabrication process and prospective costs for fast breeder plutonium fuel, 25:52423 (A/CONF.49/P-274)
  Features of the low enriched HTR, 24:50142 (CONF-700401-, pp 671-93)
  Fuel cycles for HTR, 23:37516
  Fuel-cycle theory for on-load refuelled thermal converter reactors. I and II, 25:3887 (DP-Report-575)
  Influence of HTRs on nuclear fuel requirements, 23:37511
  Manufacturing problems of advanced fuels, 25:737
  Plutonium fuel cycle for high-temperature graphite-moderated reactor, 24:46063 (DP-Report-335)
  Some features of the low enrichment HTR for various fuel element design. Part 1. parametric fuel cycle surveys, 24:50141 (CONF-700401-, pp 649-70)
  Thermal neutron spectra in uniform lattices, 22:27482 (EUR-3350)
HAUBOLD, Axel Vacancies and interstitial clusters in irradiated graphite, 24:39729
HAUBOLD, U. Clearance studies with ^{131}I-labeled hippuran, ^{203}Hg-salyrgan, ^{51}Cr-EDTA, and ^{51}Cr-inulin, 25:11156
  Indium-113m (EDTA) and renal scintigraphy, 24:14543
  Localization studies after renal transplantation, 23:48124
  Methods and results of liver scintigraphy, 23:33763
  Significance of hormonal activity of parathyroid adenomata for scintigraphy with ^{75}Se-selenomethionine, 23:12177
HAUBOLD, Ulrich Sequential scintigrams of kidney with ^{131}I- o-iodo-hippuric acid and /sup 113m/In-EDTA, 25:13499
HAUBRICH, J. Laryngeal carcinoma taken to be somatic-stochastic radiation effect, 23:50799
HAUCK, Andrew R. Cellulose acetate membranes for treatment of hard and waste waters, 24:5731
HAUCK, B. Effect of absorption lines for Am and Ap stars, 24:44839
  Short-period variable stars. V, 25:22233
  Three-dimensional representation of stars, 23:30204
HAUCK, Barbara Tritium labeling of proteins by free-radical interceptor method, 23:43654
HAUCK, H. Effect of a phase transformation on the occurrence of high temperature embrittlement after neutron irradiation, 21:6852

- Embrittlement of nickel alloys after neutron irradiation, 23:34045
- High temperature embrittlement of austenitic steel and Ni base alloys by the (n,α) reaction, 22:13039 (CEA-tr-A-1912)
- High-temperature embrittlement of 16/13 CrNi steels after neutron irradiation, 22:8791
- Multi-axial in-reactor stress-rupture strength of stainless steels and a nickel-alloy, 23:10236 (EURFNR-566)
- Postirradiation creep-rupture properties of austenitic stainless steel and nickel-base alloys, 24:12442
- Radiation induced high temperature embrittlement of austenitic steels, 24:12441
- Radiation induced high-temperature embrittlement of ferritic steels, 23:12380
- Research on high-temperature embrittlement of 16/13 CrNi steels after neutron irradiation, 22:34080 (EURFNR-464)
- HAUCK, Hansjuergen High-temperature embrittlement by neutron irradiation, 24:10116 (KFK-985, pp 17-34)
  - Investigation of the influence of cold-working and thermomechanical treatment on radiation-induced, high-temperature embrittlement of austenitic steels, 23:3097
  - Irradiation behavior of nickel alloys, 24:10121 (KFK-985, pp 289-301)
- HAUCK, J. F. Design and performance evaluation of aircraft nucleonic fuel gaging system by computer techniques, 21:12598
- HAUCK, R. H. Absorption integral for planetary atmospheres, 22:41263
- HAUCK, W. Schleswig—Holstein nuclear power plant, 23:28365
  - Twenty-five-MW(e) Geesthacht KSH Nuclear Power Plant, 23:37392
- HAUCKE, G. Spectrochemical analysis of H_2O—D_2O mixtures by means of band spectra, 21:27898 (NP-tr-1309, pp 21-8)
- HAUDE, W. Damage to rat fetuses by whole-body x irradiation, 22:12897 (SZS-12/67)
  - Lipid changes in the liver cell fractions of rats at different developmental stages and of x-irradiated newborn rats, 22:10699
  - Lipids in liver and unesterified fatty acids in serum after whole-body-irradiation, 23:31659
- HAUDE, Wolfgang Whole-body x irradiation of pregnant rats, 23:33875
- HAUER, N. Determination of polarization of polarized ^{3}He gas target, 25:53483
- HAUETER, Robert L. Cobalt-60 production, 24:31610
  - Utility training philosophy, 25:39135 (CONF-710416-, Paper 2)
- HAUFE, Wolfgang Arc erosion of various sintered and infiltrated WCu-materials in oil, 25:55454
- HAUFFE, B. Charge-transfer reactions of some negative ions with O_2, 24:15159
- HAUFFE, K. Conference on electronic phenomena in chemisorption and catalysis on semiconductors, Moscow, 7/68, 24:37564
  - Oxidation rate of metals with ion-conducting coatings in electrochemical chain. II, 23:973
- HAUFFE, Karl Corrosion of metals in gases and aqueous solutions, 24:2880
  - Oxidation of metals, 21:9074
- HAUFLER, Gunther Electron work function in system Zr—O, 23:30170
- HAUG, A. Asymmetric cross-correlation functions in D- and lower E-region drift measurements, 24:26059
  - D-region electron densities during IQSY, 22:19858
  - Diurnal variation in midlatitude D region, 25:1058
  - Electron densities measured by the partial reflection method compared with simultaneous rocket measurements, 24:35314
  - Ionospheric observations during annular solar eclipse of May 20, 1966. IV, 25:9312
  - Ionospheric observations during annular solar eclipse of May 20, 1966. V, 25:9313
  - Model of electron—ion recombination in D region, 24:26060
  - Possible S-matrix theory of photons and electrons, 21:18966
- HAUG, Eberhard Calculation of bremsstrahlung cross sections with Sommerfeld—Maue eigenfunctions, 23:32177
  - Compton effect on relativistic electrons, 23:5563
  - Polarization and anisotropy of solar x radiation during flares, 25:11623
- HAUG, H. Equations of motion for complex order parameter of helium II, 25:3014
  - Heat exchange in liquid helium by phonon tunneling through very thin plates, 25:38321
  - Heat of solution of Cm metal and the heats of formation of Cm^{+3}/sub (aq)/ and $CmCl_3$/sub (d)/, 21:40818
  - Hydrodynamic equations for condensate and depletion of He II, 25:14139
  - Various equations of motion for the order parameter in He II, 24:42623
- HAUG, H. O. Several investigations of high-pressure fluorination of binary and ternary fluorides of several lanthanide and actinide elements, 25:31889 (KFK-1325)
  - Vapor pressure measurements on tricyclopentadienyl complexes of uranium and several lanthanides according to the effusion method, 25:31938 (KFK-1283)
- HAUG, Hermann O. Curium sesquioxide, Cm_2O_3, 22:2075
- HAUG, P. K. Odd-parity states in ^{16}O and ^{40}Ca from nucleon—nucleon interaction, 24:18359
  - Renormalization constants in the random-phase approach, 25:28509
- HAUG, P. T. Secondary succession in abandoned cultivated fields: an annotated bibliography, 22:38237 (ORNL-TM-2104)
  - Variables affecting in vitro rumen fermentation studies in forage evaluation, 22:20997 (ORNL-TM-1973)
- HAUG, Peter K. Odd-parity spectrum of ^{16}O and ^{40}Ca, 25:5570
  - Single-particle calculations in fission theory, 22:35371
- HAUG, R. Elastic scattering of slow electrons by a Bi atomic beam, 22:47839
  - Grid probe as an ionic diagnostic tool in cesium plasma, 22:48093
  - Lithium ion source, 24:26557
  - Production of a low-energy polarized electron beam, 23:41973
  - Recording techniques and the exploitation of Langmuir sound characteristics, 21:10700
  - Spin analyzer for low-energy electrons, 24:23042
  - Study of neutron counter with high efficiency and defined response in energy range 0 to 14 MeV, 22:4445
  - Study of the different operating modes of an alkali-metal-plasma machine by means of electric probes, 21:33476
- HAUG, R. M. Influence of clinoptilolite on ^{90}Sr and ^{137}Cs uptakes by plants, 25:49121 (UCLA-12-829)
  - Influence of minerals on ^{90}Sr and ^{137}Cs uptake by bean plants, 22:30974
  - Influence of soil heating on the growth and elemental composition of bean plants, 23:43661 (UCLA-12-731)
  - Some physical and chemical characteristics of heated soils, 25:41926 (UCLA-12-819)
- HAUG, Robert Modifications of resonance frequency of quartz plates irradiated by corpuscular radiation, 22:41695
  - Phase shift among oscillations of density and local potential in cesium plasma, 24:3431
  - Polycrystalline probe in plasma diagnostics, 24:3318
  - Study by grid probe of the ionic parameters of an alkaline plasma, 21:31401
- HAUG, U. Luminosity determination of OB stars by Hβ indices, 25:9049
  - Spectral types of bright stars in stellar ring No. 373, 25:16667
  - UBV measurements in Selected Areas 100 and 112, 24:23594
  - UBV observations of luminous stars in three Milky Way fields, 24:23595
- HAUG, Ulrich Two subluminous stars near the galactic plane, 24:44863
- HAUG, W. Design study of nuclear space power plant using thermionic reactor as energy source, 21:14045 (BMwF-FBK-66-30)
  - Nuclear calculations on thermal thermionic reactor system for space, 22:32946
  - Optimization of the cell dimensional parameters of an incore thermionic fuel element, 25:10226
  - Optimization of the cell dimensional parameters of an in-core thermionic fuel element, 25:18202
  - Power limitations of an in-core thermionic cell in steady-state operation, 25:37090
  - Results of studies on thermionic reactor systems, 23:11318
- HAUGE, Ce. Chemical composition of solar atmosphere, 25:38092 (NP-18857)
- HAUGE, E. H. Normal and abnormal diffusion in Ehrenfests' wind-tree model, 23:27723
- HAUGE, O. Abundance distribution of elements as test of Alfven's theory of origin of solar system, 25:24809
  - Solar abundance determination, 25:16693
- HAUGE, Oe. Abundance of beryllium in the solar atmosphere, 23:10413
  - CuH lines in sunspot spectrum and solar isotope ratio of Cu, 25:13900
- HAUGE, Oeivind Abundance of cadmium in the solar atmosphere, 24:10307
  - Isotope ratio of europium in the solar atmosphere, 24:17570
- HAUGE, Paul S. Alpha-particle models for ^{20}Ne and ^{24}Mg, 21:9974
- HAUGE, R. H. High temperature chemistry: stabilities and structures of high temperature species, 24:48084
  - Infrared spectra and geometries of $SrCl_2$, $BaCl_2$, $EuCl_2$, EuF_2, $PbCl_2$, and UCl_2, 25:29086
  - Infrared spectra of silicon difluoride in neon and argon matrices, 23:28799
- HAUGE, S. Radioactive nuclides from fallout in Norway, 23:20241
- HAUGEN, E. Chromospheric velocity field in sunspot regions, 23:51307
  - Velocity field surrounding sunspots as derived from observations of Hα, 22:874
- HAUGEN, Einar Coordinate systems for describing position of solar atmospheric features, 22:41143 (NP-17530)
  - Isophotometrical study of wiggles in solar iron lines, 21:33030 (NP-16850)
- HAUGEN, J. Multilevel data-based computer code system for in-core fuel management in light water reactors, 25:54129 (A/CONF.49/P-293)
- HAUGEN, J. C. Specification and procurement of CP-5 fuel tubes, 25:18167 (ANL-7708)
- HAUGEN, Jostein Phagocytosis of colloidal gold and ^{51}Cr-labeled endotoxin in rabbits, 22:12773
- HAUGER, S. E. Economic factors affecting the choice of fuel, 24:18659
  - New multinode for the analysis of space dependent fast reactor kinetics, 24:22492
- HAUGER, W. Conference on medical measures for unusual radiation burdens, Freiburg, Germany, 10/66, 23:22329
- HAUGER-KLEVENE, Julia H. Asymptomatic production of ACTH, 23:50245
- HAUGH, Michael J. Vibrational excitation in electronically excited ions produced by charge exchange, 25:7183
- HAUGHEY, Francis J. Carbon-14: some properties, environmental distribution, and possible influence on the hereditary material, 21:22452
  - Experimental system for aerosol research, 22:51098
  - Pennsylvania dental x-ray survey, 22:31100
- HAUGHEY, Francis James Interactions of ^{220}Rn and its daughter products with C aerosol, 21:41036
- HAUGHIAN, J. M. Inexpensive method of cooling an rf cavity, 23:28026
- HAUGHIAN, James M. High-gradient drift-tube quadrupole magnets, 21:9874 (UCRL-17156)
  - Improvements to Berkeley HILAC, 22:37236 (UCRL-18246)
- HAUGHT, A. F. Production and magnetic-field confinement of laser-irradiated solid particle plasmas, 23:32437
  - Prog. rpt. on production of plasmas for thermonuclear research, 11/67, 22:9382 (NYO-3578-7)
- HAUGHT, Alan F. Formation and heating of laser irradiated solid particle plasmas, 24:51690
  - High-temperature plasmas produced by laser beam irradiation of single solid particles, 21:801
  - Magnetic field confinement of laser irradiated solid particle plasmas, 24:51608
  - Production and magnetic field confinement investigations of laser-irradiated solid-particle plasmas, 22:1254 (LA-3770, Paper F5)
  - Prog. rpt. on production of plasmas for thermonuclear research, semiannual, 12/66, 21:15182 (NYO-3578-5)
  - Prog. rpt. on production of plasmas for thermonuclear research, semiannual, 6/66—7/67, 21:37496 (NYO-3578-6)
  - Prog. rpt. on production of plasmas for thermonuclear research, 6/29—9/30/65, 22:3127 (NYO-3578-1)
  - Prog. rpt. on production of plasmas for thermonuclear research, annual, 6/65—6/66, 22:11471 (NYO-3578-4)
  - Prog. rpt. on production of plasmas for thermonuclear research, semiannual, 8/67—1/68, 22:13506 (NYO-3578-8)
  - Prog. rpt. on production of plasmas for thermonuclear research, semiannual, 7/68, 22:41623 (NYO-3578-9)
  - Prog. rpt. on production of plasmas for thermonuclear research, 8/12/68, 23:14810 (NYO-3578-10)
  - Prog. rpt. on production of plasmas for thermonuclear research, semiannual, 1/1/69—7/31/69, 24:24007 (NYO-3578-11)
- HAUGHTON, G. Changes in cellular composition of bone marrow in x irradiated mice, 21:20338
  - Characterization of small size lymphoid cells in irradiated and normal mouse bone marrow, 25:58120
  - Detection and measurement of weak histoincompatibilities by transfer of mouse peritoneal exudate cells, 25:31718 (ORO-3634-12)
  - Detection of weak histocompatibility antigens on mouse peritoneal macrophages, 25:31717 (ORO-3634-11)
  - Serological detection of the male limited H—Y antigen on peritoneal exudate cells, 25:31719 (ORO-3634-13)
- HAUGHTON, Geoffrey Transplantation antigens and viral carcinogenesis, 25:2537
- HAUGHTON, Peter M. Macromolecule synthesis and wall extensibility in relation to the mechanism of auxin-induced cell elongation, 25:10366 (RLO-2225-T-19-9)
- HAUGSET, K. Reactivity worth of water height in NORA H_2O core No. 1, 22:50809 (TID-24646)
  - Topics in light water reactor physics: final report of NORA Project, 24:38606 (STI/DOC-10/113)
- HAUGSJAA, Paul O. Charge-transfer cross sections for N_2^+ ions incident on H_2 and D_2 between 20 and 1000 eV, 23:5244
  - Ionization and metastable excitation in low-energy collisions of ground-state argon atoms, 24:35187
  - Ionization in low-energy atomic collisions of neon with neon and krypton with krypton, 23:8459
  - Production of metastable atoms in low-energy argon ion—atom collisions, 23:18385
  - Relative charge-transfer efficiencies of ^{2}P/sub $^{3}/_{2}$/ and ^{2}P/sub $^{1}/_{2}$/ Xe ions in Xe and in O_2, 22:9061
  - Secondary electron emission by argon atoms and ions from a gas-covered surface, 22:17409
  - Vacuum-ultraviolet photon production in low-energy collisions between two neutral argon atoms, 23:48712
- HAUGSJAA, Paul Osborne Excitation and ionization processes in argon collisions, 24:32657
- HAUGSNES, Jack Total cross sections for 14-MeV neutrons, 22:35338
- HAUK, Viktor Calculation of x-ray elastic constants from single crystal coefficients of hexagonally crystallizing metals, 25:16476
- HAUL, R. Diffusion of dissolved hydrogen and deuterium in liquid ammonia, 24:16524
- HAULET, R. Depositing of radioactive products in pipes during turbulent flow, 25:31566
- HAULICA, A. Activity of hexokinase in rats, 25:55140
- HAULICA, Ana Erythrocytes, liver, and brain of roentgen irradiated rats, 25:51998
- HAUMACHER, G. Seasonal variation in the concentration of ^{90}Sr in rain and its dependence on latitude, 24:31497
- HAUMANN, Joseph R. Blanking circuit for a magnetic electron multiplier in a time-of-flight mass spectrometer, 22:12696
- HAUN, L. C. Low-lying states of ^{23}Mg, 24:20371
- HAUN, Larry Carroll Angular-correlation study of ^{24}Mg(^{3}He,$\alpha\gamma$)^{23}Mg reaction, 23:7279
- HAUN, U. Dose values on walls of irradiation room for conventional x-ray depth therapy, 21:39292 (SZS-8/67)
- HAUNGS, G. Exact solution of monoenergetic neutron transport equation, 21:11917 (BMwF-FBK-66-18)
- HAUNGS, Guenter Exact solution of the monoenergetic neutron transport equations using a linear anisotropic scattering function in plane geometry. II, 21:4180
  - Exact solution of the monoenergetic neutron transport equations using a linear anisotropic scattering function in plane geometry. I, 21:4181
- HAUNOLD, E. Interaction of reactor radiation and growth substances on summer barley, 23:29902
  - Uptake of ^{64}Cu by excised plant roots from nutrient solutions, 25:23999 (SGAE-LA-3/1970)
- HAUNSCHILD, H. H. European decision for the large accelerator, 24:13225
- HAUPT, Justus Cryostat, 25:19641
- HAUPT, W. Population type of some x-ray sources, 24:46912

HAUPT, Wolfgang Interaction of short wave and long wave radiation in the photomorphogenesis of Pisum and Sinapis, 21:16527
  Short wavelength radiation on the weak-light movement of Mougeotia chloroplasts, 21:28671
HAUPTMAN, J. M. High-quality narrow quadrupole magnets, 23:28108
HAUPTMAN, John M. Polarization in K^+p elastic scattering at 864 MeV/c, 23:51861 (UCRL-19278)
HAUPTMANN, Ruediger Synthesis and metal ion selectivity of 4-vinylpyridine—acrylonitrile or acrylic acid-p-divinylbenzene-copolymers, 22:45059
HAURIE, Michel Infrared spectra of the mixed dimers ($CH_3COOH—CH_3COOD$) and ($CD_3COOH—CD_3COOD$), 21:15901
HAUROWITZ, Felix Prog. rpt. on combinations of antigens and antibodies, annual, 2/67—1/68, 22:19233 (COO-209-144)
HAURWITZ, Marion W. Auroral substorm activity, 23:25226
  Distribution of stably trapped magnetospheric plasma, 24:17774
  Solar longitude distributions of proton flares, meter bursts, and sunspots, 22:13171
HAURY, Gerard L. Prog. rpt. on Moessbauer effect in thin films, 3/64—4/65, 22:34738 (AD-664048)
HAUS, A. G. Technique for imaging patient treatment area during a therapeutic radiation exposure, 25:24298
HAUS, Hermann A. Electrodynamics of moving media, 21:37272
  Energy—momentum tensor for electromagnetic fluids, 22:20100
HAUSARD, Michel Method for solving the equation of ionized electric fields in a stationary regime, 25:30705
HAUSCHILD, A. H. W. Preparation of ^{14}C-labeled tuberculin purified protein derivative, 21:45554
HAUSCHILDT, W. H. Administrative procedures and controls in plutonium production areas, 25:54960 (CONF-710401-, pp 293-6)
HAUSE, C. D. High resolution study of nitric oxide near 5.4 microns, 22:33308
  Molecular constants of nitrogen dioxide from the near infrared spectrum, 22:33309
HAUSEN, A. Optical anisotropy of β-rhombohedral B, 25:12029
HAUSER, Cavour H. Rankine cycle power systems technology, 24:25199 (NASA-SP-5057, pp 35-89)
HAUSER, Charles W. Lymphopenia induced by splenic interstitial irradiation, 21:20387
HAUSER, D. Electron beam welding of beryllium. II, 23:3036
  Electron-beam welding of beryllium, 22:8712
  Prog. rpt. on properties of W-base sheet alloy, final, 2/8/66—11/1/66, 22:643 (AD-645143)
HAUSER, G. Elastic scattering of 104 MeV alpha particles, 23:28244 (KFK-871)
  Elastic scattering of 104-MeV alpha particles, 22:39594
  Elastic scattering of 104-MeV alpha particles, 23:23665
  Evaluation of coated particle fuel, 24:46770 (DP-Report-153)
  Inelastic scattering of 104-MeV α-particles on ^{12}C, ^{20}Ne, and ^{58}Ni, 24:30696
  Measured differential cross sections for elastic and inelastic scattering of 104-MeV α particles, 25:43832 (NP-18920)
  Measurement of inelastic scattering of 104 MeV alpha particles and their description by Austern—Blair theory, 24:22073 (KFK-967)
HAUSER, G. P. Annealing as a post-irradiation technique for the study of fission product release from coated particle fuels, 24:42282 (DP-Report-373)
  Irradiation behavior of coated particle fuel, 24:46813 (DP-Report-227)
  Irradiation performance of triplex coated fuel particles, 24:42283 (DP-Report-400)
  Irradiation results of Dragon coated particle fuel, 25:779 (DP-Report-316)
  Nondestructive testing apparatus of irradiated fuel elements by gamma scanning, 22:45328
HAUSER, Gilles Irradiation studies on coated-particle fuels destined for the Dragon reactor, 24:42279 (DP-Report-303)
HAUSER, H. Analysis of the alpha-emitting radionuclides from radioactive fallout by alpha-spectroscopy, 22:8224
  Quantitative investigation of fallout from Chinese nuclear test, 23:45
  Radionuclide composition of stratospheric fallout, 21:3186
HAUSER, H. A. TD Ni and TD NiC for turbine vane applications, 23:30112
HAUSER, I. Scattering of polarized protons by selenium isotopes, 21:21497
HAUSER, J. J. Coupling between ferrimagnetic insulators through a superconducting layer, 23:44349
  Energy gap of V_3Si, 21:2162
  Enhancement of superconductivity by semi-metallic (or semiconducting) inclusions, 23:1325
  Enhancement of superconductivity in aluminum films, 25:19622
  Gapless superconductivity induced by the proximity effect, 22:7250
  Investigation of Kondo alloys and compound by the superconductive proximity effect, 25:27662
  Magnetic proximity effect, 24:23906
  Transition temperature and tunneling characteristics of ferrimagnetic insulator-superconductor sandwiches, 24:35325
HAUSER, J. R. Charge buildup and release in SiO_2 irradiated with low-energy electrons, 23:32571
  Charge storage effects in mylar from electron irradiation, 21:9257 (NASA-CR-656)
  Charge storage in silicon oxide resulting from non-penetrating electron irradiation, 23:2732 (N-68-26603)
  Radiation induced damage to semiconductor surfaces and effects of damage on semiconductor device performance, 23:38383 (N-69-12257)
  Space-charge effects in insulators resulting from electron irradiation, 22:7366
HAUSER, L. G. Cooling water requirements for growing thermal generation, 24:18533
  Evaluate your cost of cooling steam turbines, 25:13147
HAUSER, Louis G. Effect of escalation on future fuel costs, 25:36861
HAUSER, M. G. Calibration of a large neutron counter using the pion nucleon charge exchange reaction, 24:27408 (PPAR-25)
  Calibration of large neutron counter, 25:8512
  Experimental study of ω neutral decays, 25:59320
  $P_{11}(1470)$ resonance in $\pi^- + p \rightarrow n + \pi^0$ below 600 MeV, 25:33571
  Performance of large-volume two-phototube neutron detector, 25:8547 (PURC-4159-13)
  Photoproduction of charged pion pairs and $N^*(1238)^{2+}$ in H from 0.9 to 1.3 GeV, 21:42243
  Relationship between energy loss and light output for plastic scintillator NE-102, 21:8607
  Response of a mineral-oil based liquid scintillator to heavily ionizing particles, 24:39222 (PPAR-26)
  Response of a mineral-oil based liquid scintillator to heavily ionizing particles, 25:8511
  Test of charge independence in π p backward scattering below 600 MeV, 25:33572
HAUSER, Michael George Photoproduction of charged pion pairs and $N^*(1238)^{++}$ in hydrogen from 0.9 to 1.3 GeV, 22:3247
HAUSER, O. Influence of some factors on radioinduced changes in characteristics of solids, 21:21057 (ZFK-WF-29)
  Radiation-induced phase transformations in perovskite-type lattices, 21:7372
  Thermodynamic treatment of radiation-induced phase-transformations and its application to some perovskites, 21:40113
HAUSER, Paul Importance of teeth in osteoradionecrosis of the mandible, 21:1818
HAUSER, R. Evolution of the industrial procedures for the shaping and fritting of uranium oxide, 22:49795
  Evolution of the production procedures for uranium carbide fuels, 22:49790
  Industrial sintering of uranium oxide in a continuous furnace, 23:22628 (LIB/Trans-190).
HAUSER, Todd Particle yields at the Stanford two-mile electron accelerator, 21:17230
HAUSER, U. E1 transition probabilities between corresponding states in ^{155}Tb, ^{157}Tb, and their neighboring odd-proton nuclei, 21:17357
  Measurement of time differences in the range milli- to picoseconds, 21:36448
HAUSER, Ulrich Energy loss of charged particles in matter. I, 23:14637
  Recognition and analysis of hyperfine splittings of decaying Moessbauer states, 22:46273
HAUSER, W. Data display and image perception in photoscanning, 23:33421
  Lymph node scanning with /sup 99m/Tc—sulfur colloid, 23:50655
  Reduction of respiratory artifact in scintillation scanning, 23:6498
  Some physics aspects in the design of a carbide-fueled fast breeder, 24:7098
  Technetium-99m DTPA for brain and kidney scanning, 24:33999
  Technetium-labeled red blood cells, 25:13332
  Visualization of the human spleen with /sup 99m/Tc-labeled red blood cells, 25:42235
HAUSER, Wolfgang Experience with /sup 99m/Tc—S colloid, 24:21244
  Thyroidal pertechnetate uptake in Hashimoto's disease, 25:49233
  Visualization of mediastinal lymph nodes after intraperitoneal administration of /sup 99m/Tc-sulfur colloid, 25:16254
HAUSERMANN, R. Analysis of the multicolumn flow distribution test data, 22:42189 (GAMD-8423)
  Flow model tests of the reactor outlet plenum for 330 MW(e) HTGR, 21:27671 (GA-7638)
HAUSHAHN, G. High resolution particle-detectors produced by ion-implantation, 22:323
HAUSHILD, W. L. Accumulation of radionuclides in bed sediments of the Columbia River between the Hanford reactors and McNary Dam, 24:46108
  Accumulation of radionuclides in bed sediments of Columbia River between Hanford reactors and McNary Dam, 25:21168
  Reactions of radionuclides from the Hanford reactors with Columbia River, 21:15998
HAUSKEN, O. Wegener Uptake and excretion of ^{137}Cs, K, and zircon/^{95}Nb in cattle, 21:10813
HAUSKNECHT, D. Reactor development, 23:13521 (AI-AEC-12721, pp 111-29)
HAUSKNECHT, D. F. Aerosol modeling of hypothetical LMFBR accidents, 24:47876 (AI-AEC-12977)
  AIROS-II: reactor dynamics simulator for LMFBR design, 22:53376
  Model describing the behavior of the aerosol produced by a sodium fire, 22:5953
  Spectrum synthesis in fast reactor analysis, 23:52443 (AI-AEC-12820)
  Spectrum synthesis with spatially discontinuous basis spectra, 23:3913
  Use of agglomeration modeling in determining the source term for reactor siting evaluations, 23:23938 (CONF-680821-, pp 330-4)
HAUSKNECHT, D. H. Characteristics of aerosols produced by sodium fires. II, 24:7544 (AI-AEC-12878)
HAUSLADEN, S. L. ^{11}B states, 25:50657
  Study of ^{10}B cross sections, 25:53592 (CONF-701002-, pp 107-20)
HAUSMAN, H. J. Determination of spin of 6.92 MeV level of ^{27}Al, 24:1790
  Energy dependence of (p,p'γ) correlations in ^{48}Ti, 22:9832
  New thick-target technique for charged-particle radiative capture studies, 22:24832
  Possible role of isobaric analog states in ^{56}Fe(p,p'), 24:40593
  Reaction mechanisms in ^{56}Fe(p,p') from 5 to 6 MeV, 23:52137
HAUSMAN, Robert F. Jr. Function optimization on a line segment by GOLDEN section, 25:31740 (UCID-30002)
HAUSMAN, T. Spin determination for resonances decaying to excited $J = 0$ states, 23:42937
HAUSMANN, A. Electron spin resonance in alkali halide crystals containing sulfur and selenium, 22:41649 (NRC-TT-1311)
HAUSMANN, K. Simplification of the perturbation theory of atoms and molecules by use of separable potentials, 23:30358
HAUSMANN, R. Amber mutants of bacteriophage T3 and T7 defective in phage-directed deoxyribonucleic acid synthesis, 22:14937
HAUSMANN, T. Decay of the 11.80 MeV isobaric analog resonance in ^{93}Tc, 23:5910
  Neutron decay of isobaric analog resonances in ^{90}Zr, 24:13375
  Reaction ^{92}Mo(p,p'γ) via isobaric analog resonances, 24:6945
  Weak-coupling states in odd Zr isotopes, 25:1750
HAUSMANN, Till Proton decay of analog resonances in ^{93}Nb, 25:12564
HAUSNER, H. Development of UO_2 microstructures during irradiation at high heat ratings, 21:28861 (GEAP-4667)
  Grain growth of UO_2. II, 21:28836 (GEAP-4689)
  High performance UO_2 program, 22:35457 (GEAP-5100-6)
  Interaction between uranium carbide and refractory metals, 24:10135
  Microstructures developed in ceramic nuclear fuel, 23:1059
HAUSNER, H. H. Beryllium metal handbook, 21:41533
  Beryllium metal handbook, 22:4733
  Friction as a characteristic of metal powders, 24:27774
HAUSNER, Henry H. Effect of particle size distribution on the friction in a powder mass, 24:19428
  Friction conditions in a mass of metal powder, 22:10968
  Fundamentals of refractory compounds, 22:36472
  Modern developments in powder metallurgy. Volume 4. Processes. Proceedings of the 1970 international powder metallurgy conference, held in New York, July 12—16, 1970, 25:55411
  Modern developments in powder metallurgy. Volume 5. Materials and properties. Proceedings of the 1970 international powder metallurgy conference, held in New York, July 12—16, 1970, 25:55481
  Perspectives in powder metallurgy. I, 21:41564
  Powder metallurgical production of Zr—U core materials, 21:9089 (SEP-40(Del.))
  Slip casting of metal powders, 21:41572
  Vibratory compacting. Principles and methods, 22:2564
HAUSPURG, A. Metropolitan siting of nuclear power plants, 24:45919 (CONF-700810-35)
HAUSS, Werner H. Changes in rat hearts after focal doses of x radiation, 21:45813
HAUSSEN, W. Differential neutron source strength from $T(d,n)^4He$, 25:9957
  Spectra and differential cross sections of 14 MeV neutron inelastic scattering from Fe, 25:5639
HAUSSER, B. Resonance-capture and -fission in highly enriched fuel-lattices, 25:20826
HAUSSER, K. H. Relaxation and dynamic nuclear polarization of protons in free radicals, 21:34259
HAUSSER, O. Coulomb excitation of ^{24}Mg with ^{35}Cl ions, 23:49377
  Germanium(Li) two-crystal Compton spectrometer, 23:22067
HAUSSMANN, H. Commissioning of Nuclear Power Station Gundremmingen, 21:42778
HAUSSMANN, H. G. Possibilities of substitution therapy with blood cells: from the viewpoint of the blood transfusion service, 23:22338
HAUSTEIN, P. E. Decay of 3.1 min ^{190}Re, 24:3929
  Isomer ratio measurements for ^{91}Mo, ^{137}Ce, and ^{141}Nd produced by (γ,n) and (γ,3n) reactions, 25:20455
  New five-quasiparticle isomeric state in ^{177}Hf, 25:50745
  New K/sup π/ = 8^- isomer in ^{182}Hf, 25:48081
  Radioactive decay of ^{168}Ho and ^{169}Ho, 25:56767
HAUSTEIN, Peter Eugene Radioactive decay of ^{168}Ho and ^{169}Ho, 24:49782 (IS-T-364)
  Radioactive decay of ^{190}Re and isomer ratio measurements in photonuclear reactions, 24:49781 (IS-T-363)
HAUSWALDT, C. Histologic bone marrow findings in polycythemia vera before and after ^{32}P therapy, 23:50905
HAUT, Michael Computer program for tracing radioactivity in complex metabolic systems, 22:19356
HAUTDIDIER, A. Energy spectra and time profile of protons emitted during solar flare of 6/9/68, 23:51265 (CEA-CONF-1404)
HAUTECLER, S. Neutron filters for thermal or cold neutron beams, 22:12144
HAUTECLOQUE, Simone Kinetics of the reactions $CCl_3 + H_2(D_2)$ and $CCl_3 + CH_4(CD_4)$, 24:41308
HAUTH, Joseph J. Nuclear fuel element incorporating helical fissionable wire, 21:8166
HAUTOJAERVI, P. Angular correlation of positron annihilation radiation calculated from atomic Hartree—Fock orbitals, 22:36733
  Trapping of positrons by dislocations in aluminum, 24:19992
HAUTOT, A. New magnetic field for Dirac's equations, 25:33514
HAUTOT, A. P. Completion of the set of proper states of the relativistic hydrogen atom, 25:52688
  Quaternion method of separation of variables, 25:38616

- HAUTSCH, W. Mean life of 77-keV state in ^{197}Au and 140-keV state in ^{99}Tc by Moessbauer experiments, 22:46796
  - Mean life of excited nuclear states by Moessbauer experiments, 23:23720
- HAUTSH, Hans-Juergen Wear measurement in soil probes, 23:26463
- HAUVER, R. C. Exposure of sheep to millisecond versus microsecond fission radiation, 22:49472 (CONF-680410-, pp 6.1-14)
- HAUX, Ch. Nonsense mutants of Serratia phage Kappa. I, 24:41856
- HAVA, Ludvik Open point counter for very soft sources β, 22:36054
- HAVALDA, A. Structural changes in the system Ni—Cr—Ti—Al—W at a temperature of 850 deg C, 21:4956
- HAVALDA, Andrej Effect of tungsten on nickel-base alloys, 23:16492
  - Effect of tungsten on phase transformations in nickel-base alloys, 23:12333
  - Equilibrium phases in Ni—Cr—Ti—Al—W system, 22:15211
  - Influence of W on nickel-base superalloys, 24:1040
- HAVARD, C. W. H. Radioactive isotopes in clinical medicine. I, 21:39461
- HAVARD, D. G. Biaxial fatigue of 1018 mild steel at low endurance, 24:25239
  - Fatigue of heat-exchanger tubesheet elements for nuclear-plant design, 23:31189
- HAVARD, J. B. Influence of local conditions on the installation of low-power nuclear stations, 24:28910
- HAVAS, Peter Classical scattering of neutral mesons. II, 21:19002
  - Invariances of approximately relativistic Lagrangians and center-of-mass theorem. I, 24:8712
- HAVEL, A. Extraction of metals by fatty acids. I, 21:14293
- HAVEL, Daniel F. Apparatus for producing a collimated beam of radioactive rays, 24:16749
- HAVEL, J. Complexes of uranyl with phenolic ligands. X, 22:21033
  - Development and testing control rod and its drive mechanism, 24:28873
  - UO$_2$ complexes with phenolic ligands. XI, 23:13697
  - UO$_2$-complexes with phenolic ligands. XII, 23:49806
  - Uranyl complexes with phenolic ligands. XIII, 24:43943
- HAVEL, Josef Determination of uranium by Chrome Azurol S in polyvinyl alcohol, 23:45206
- HAVEL, Richard J. Clearance of ^{86}Rb, 23:50246
- HAVEL, S. Irradiation embrittlement and surveillance programmes of reactor pressure vessel steels, 25:40071 (IAEA-117, Paper 9a)
- HAVELKOVA, V. Detection of alpha-radionuclides in the bone—marrow and blood of miners by the method of nuclear emulsions, 25:55236
  - Influence of stopping power on threshold sensitivity of nuclear emulsions for measurement of spectra and dosimetry of fast neutrons, 25:55022
  - Television monitor for dosimetric and spectrometric measurement by method of nuclear-track emulsions, 25:55021
- HAVEMANN, R. Photochemistry of the system UO$_2^{2+}$—H$_2$O$_2$, 21:22005
- HAVEN, Dexter S. Prog. rpt. on concentration of suspended radioactive wastes in bottom deposits, annual, 9/65—8/66, 21:10823 (ORO-2789-17)
- HAVEN, Mary C. Determination of manganese in tissues by neutron activation analysis, 21:23830
- HAVEN, Y. Color centers in x-rayed α-quartz containing Ge, 21:9657
- HAVENS, Richard Chemical stabilization of uranium tailings at Tuba City, Ariz, 23:40792 (BM-RI-7288)
- HAVENS, Virginia W. Behavior of erythropoietin-sensitive cells, 22:31002
  - Reticuloendothelial activity in neonatally thymectomized mice and irradiated mice thymectomized in adult life, 22:51927
  - Studies on behavior of erythropoietin-sensitive cells in the mouse during recovery from 200 R whole-body irradiation, 23:7935 (UCRL-18066, pp 15-22)
  - Summary of some studies on erythropoiesis using anti-erythropoietin immune serum. V, 22:28340
- HAVENS, W. W. Jr. Correlation of the energy of single-neutron resonances determined by time-of-flight methods, 21:29845
  - Cyclotrons, synchrocyclotrons, and synchrotrons as pulsed high intensity neutron sources, 21:44512 (CONF-660925, pp 565-87)
  - High-resolution total neutron cross section in vanadium, 24:43304
  - Neutron resonance spectroscopy. VII, 25:43874
  - Neutron resonance spectroscopy. VI, 22:18225
  - Neutron spectroscopy, data acquisition, and analysis, 24:8765 (CONF-690301-, pp 299-304)
  - Neutron thermalization experiments in pulsed gadolinium-poisoned assemblies, 24:7215
  - Nuclear and radiation standards of importance to the national atomic energy program, 22:35200 (NBS-TN-283)
  - Resonance capture integrals of $^{166\ 167\ 168}$Er and $^{171\ 173\ 174}$Yb, 24:33156
  - Total neutron cross section in Mn and Co, 22:27066
- HAVENSTEIN, G. B. Effect of pre-fertilization maternal irradiation on prenatal, perinatal, and postnatal survival in the albino rat, 22:40644
  - Genetic effects of cumulative maternal irradiation on growth and age at sexual maturity in rats, 25:26965
  - Genetic effects of cumulative x irradiation on the secondary sex ratio of the laboratory rat, 22:40643
- HAVENSTEIN, Gerald Bryce Genetic effects of cumulative irradiation in the female rat, 22:40652
- HAVENSTEIN, Paul L. Target for the AEC'S reactor standards program in the instrumentation and control area, 25:60180
- HAVERBACK, B. J. Radioimmunoassay of bradykinin, 21:32565
- HAVERCROFT, W. E. Nondestructive testing in Canadian governmental services, 25:34830
- HAVERFIELD, A. J. Hanford thermoluminescent multipurpose dosimeter, 25:46642 (BNWL-SA-3955)
  - High-resolution studies in decay of ^{133}Ba with semiconductor counters, 22:11963
  - New data on the decay of /sup 177m/Lu, 21:2708 (UCRL-16995)
  - New transitions and precise energy and intensity determinations in the decay of /sup 177m/Lu, 21:12058
  - Prog. rpt. on interaction of low dose power source radiation fields with selected space scientific instruments, 12/12/69, 24:31765 (N-70-14572)
  - Proportional counter for space and high altitude dosimetry applications, 22:4482 (BNWL-SA-1364)
  - Response of selected totally depleted and lithium-drifted silicon detectors to monoenergetic gamma and neutron radiation, 25:4356
  - Tissue equivalent proportional counter, 22:36026 (BNWL-SA-1632)
  - Tissue equivalent proportional counter, 24:4461 (BNWL-1159, pp 7-30)
- HAVERFIELD, Arthur Judd Measurement of internal conversion coefficients, I. Decay scheme of odd-mass Au isotopes, II, 21:19246 (UCRL-16969)
  - Measurement of internal conversion coefficients utilizing semiconductor detectors, 22:5863
- HAVERLACK, P. G. Magnetic susceptibility measurements for following reactors in liquid sodium, 23:36101
  - Reactions of iron carbides with liquid sodium, 24:16492
- HAVERS, J. A. Entranceways and exits for blast-resistant fully-buried personnel shelters, 21:17803 (AD-636048)
- HAVERS, John A. Prog. rpt. on minimal equipment in shelters, final, 6/65, 21:8782 (AD-631424)
- HAVERS, L. Pulmonary circulation in overinflation of lung, 24:787
- HAVERTY, Michael I. Circadian sensitivity and dosage-rate response to x-irradiation in the pink bollworm, 24:42047
- HAVEWALA, Noshir Behram Gamma-radiation-induced emulsion polymerization of styrene in a recirculating flow reactor system, 24:48140
- HAVEZOV, I. Simple and efficient phase separator technique in liquid—liquid extraction with radionuclides, 25:21100
- HAVILAND, R. T. Scintillation counting of ^{32}P, 24:20716
- HAVIN, Edel Radiation sensitivity of Drosophila embryos, 23:20334
- HAVINGA, E. Carbon-14 isotope effect in photodissociations, 21:40866
- HAVINGA, E. E. Band structure and superconductivity of non-transition metals, 22:17587
  - Critical carrier concentration for superconductivity in mixed metal—semiconductor systems, 25:11844
  - Oscillatory dependence of T/sub c/ on number of valency electrons in Cu$_3$Au-type alloys, 25:19621
  - Relative stability of various stacking orders in close-packed metal structures, 24:14779
  - Superconductivity and band structure, 24:21742
  - Superconductivity of compounds having Si$_2$U$_3$-type structure, 23:30484
- HA VINH PHUONG IAEA regulations for the safe transport of radioactive materials, 24:9862
  - IAEA supplementary agreement to the UNDP revised standard agreement on the provision of technical assistance, 24:9864
- HAVLEN, Robert James Observational aspects of cepheid evolution, 25:8977
- HAVLENA, E. Impurities in primary sodium and cover gas of Enrico Fermi Atomic Power Plant, 22:12974
- HAVLENA, E. J. Jr. Determination of trace quantities of xenon in argon by gas chromatography, 21:3003
- HAVLENA, Joan Effects of prenatal x irradiation on motor performance in the rat, 21:30892
- HAVLICEK, F. Diagnosis of chronic postirradiation damage, 23:16382
  - Diagnosis of chronic postradiation damage, 23:43881
  - Effect of ferricyanoferrate (II) on behavior of radiocesium in gravid and lactating rats, 23:2850 (LA-tr-68-10)
  - Effect of Prussian blue combined with pilocarpine in elimination of ^{137}Cs in rats, 24:31831
  - Effect of Prussian Blue combined with pilocarpine on ^{137}Cs excretion in rats, 25:26583
  - Interaction between chelates and endogenous zinc, 23:24549
  - Metabolism of radiocaesium during gestation and lactation as influenced by ferric cyanoferrate (II), 22:30980
- HAVLICEK, Frantisek Effect of cyanoferrates on the excretion of radiocesium by rats and goats, 22:40522
  - Metabolism and toxicity of therapeutic chelating agents. V, 23:20105
  - Metabolism and toxicity of therapeutic chelating agents. IV, 23:20103
  - Metabolism and toxicity of therapeutic chelating agents. IV, 23:45623 (AEC-tr-7087)
  - Metabolism and toxicity of therapeutic chelating agents. III, 23:45783 (AEC-tr-7091)
  - Metabolism and toxicity of therapeutic chelating agents. V, 23:50266 (AEC-tr-7089)
- HAVLICEK, M. About one class of representations of Lie algebra, 25:53247
  - Algebra of the Gell-Mann—Dashen type, 23:44610
  - Mass formulas for meson nonets, 23:32706
  - Representation of infinite-dimensional Lie algebra A(P,S), 22:9644
- HAVLICKE, M. Tensor product of one-particle representations of an infinite-dimensional Lie algebra, 22:1462
- HAVLICKOVA, A. Beta activity of atmospheric fall-out in Olomouc, 23:38113
- HAVLIK, B. Radium in aquatic food chains: radium uptake by fresh water algae, 25:44756
  - Radium-226 content of water and plankton from the Chalk River area, 25:4473 (AECL-3687)
- HAVLIK, Borivoj Radioactive pollution of rivers in Czechoslovakia, 25:4157
  - Radium-226 liberation from uranium ore processing mill waste solids and uranium rocks into surface streams. II, 22:25478
  - Radium-226 liberation from uranium ore processing mill waste solids and uranium rocks into surface streams. I, 22:25477
- HAVLIN, Igor Ether anesthesia in radiation sickness, 22:8583
- HAVNER, Kerry S. Anisotropic small strain plasticity problems, 24:24930
- HAVNES, Dve Abundances and acceleration mechanisms of cosmic rays, 25:19535
- HAVNES, O. Rotational velocity and space velocity in early-type stars, 23:10362
- HAVNES, Ove Magnetic accretion processes in peculiar A stars, 25:47224
  - Magnetic stars as generators of cosmic rays, 25:38059
  - Umbral flash as a magneto—acoustic wave phenomenon, 24:44913
- HAVRANEK, E. Analytical methods based upon back scattering and absorption of radioactive radiation. VI, 23:57
- HAVRANEK, M. Calculation of the total dose in concretes for radiation shielding design, 25:49965
- HAVRANEK, Miroslav Moments method for heterogeneous plane geometry, 23:12950 (AERE-R-5773(Vol.5), pp 1288-92)
- HAVRILIAK, Stephen Jr. Dielectric properties of hydrogen sulfide, hydrogen iodide, deuterium iodide, deuterium bromide in condensed phases, 22:27722
- HAVRILIK, A. M. Introduction of resonances into chiral U(3) x U(3) dynamics, 23:42708 (ITF-69-41)
- HAWES, Michael Experimental techniques in electrofluiddynamic energy conversion research, 22:19835
- HAWES, Norman L. Two radiation-induced chromosomal inversions in mice (Mus musculus), 25:18968
- HAWES, R. I. Erosion of common structural materials and the degradation of suspended particles in flowing suspension of graphite powder in carbon dioxide gas, 23:4456 (AEEW-R-510)
  - Heat exchanger fouling in dust suspension cooling systems, 21:17772 (AEEW-R-509)
  - Heat exchanger fouling with dust suspensions, 21:41116
- HAWES, Ralph W. Equipment forecasting simulation models, 25:10757 (RFP-1527)
- HAWGOOD, John Improvements in and relating to thermal insulation, 21:28740
  - Improvements in and relating to thermal insulation, 21:46988
  - Improvements in thermal insulation and insulating materials, 21:28739
- HAWK, J. A. Jr. Beryllium-reinforced composite materials, 24:32485
- HAWKE, Basil G. Shutter device for nuclear reactor core, 22:12155
- HAWKE, J. G. Radiation chemistry of crystalline glycollic acid, 25:39541
- HAWKE, John Iodine halides as radical scavengers, 25:13067
- HAWKER, B. M. Simple transmission method for measuring the burn-up of ^{113}Cd in CCA blades removed from DIDO and PLUTO, 24:38589 (AERE-M-2281)
- HAWKER, Charles D. Automatic digital integration of radioimmunoassay chromatoelectrophoresis peaks, 23:45614
- HAWKER, P. A. E. Shell stress distribution in a loose kernel type of spherical fuel element for a pebble bed reactor, 24:50108 (AAEC/TM-535)
  - Thermal and mechanical aspects of H.T.G.C. reactor core designs, 21:12116 (AAEC/E-153)
  - Thermal and stress performance of a pebble bed reactor, 21:25611 (AAEC/TM-344)
- HAWKER, R. W. In vitro bioassay for thyrotrophin, 23:31600
  - In vitro bioassay of serum thyrotrophin, 23:33593
- HAWKES, P. W. Cylindrical electron lenses. II, 21:11889
- HAWKESWORTH, M. R. Chemically bound neutrons in LiF at 4°K, 24:21860
  - Films for neutron radiography, 23:14104
  - Polaroid positive film in neutron radiography, 25:57691
  - Radiography with low intensity neutron beams, 23:38211
  - Reciprocity failure observations in radiography with low-intensity neutron beams, 24:5840
  - Resolving power of intensifying screens used for radiography with thermal neutrons, 25:352
  - Review: radiography with neutrons, 24:396
  - Use of polaroid positive film in radiography with beams of thermal neutrons, 25:23926
- HAWKESWORTH, W. In-service inspection of loop system sodium-cooled fast reactor, 24:33355
- HAWKING, S. W. Cosmic black-body radiation and the existence of singularities in our Universe, 22:26119
  - Evidence for black holes in binary star systems, 25:52500
  - Existence of cosmic time functions, 23:12508
  - Gravitational radiation from colliding black holes, 25:41091
  - Gravitational radiation in an expanding universe, 22:44499
  - Occurrence of singularities in cosmology. II, 21:11381
  - Occurrence of singularities in cosmology. III, 21:41735
  - Singularities of gravitational collapse and cosmology, 24:19539
- HAWKING, Stephen Conservation of matter in general relativity, 25:1633
  - Gravitationally collapsed objects of very low mass, 25:33036
  - Rotation of the Universe, 23:14590
- HAWKINGS, R. C. Yields of mass-135 xenons in thermal neutron fission, 25:34087

HAWKINS, C. Scattering of electrons by electrostatic fluctuations in a magnetized plasma, 25:27699
HAWKINS, C. B. J. Momentum spectrum and charge excess of cosmic ray muons at large zenith angles, 21:37184 (BNL-11545)
  Search for heavy singly charged particles in cosmic rays, 21:37185 (BNL-11546)
HAWKINS, C. J. B. K_2^0 interactions, decays, and regenerative properties at 590 MeV/c in liquid H, 21:29436
  Proton—proton triple scattering at 1.9 GeV, 23:25522
HAWKINS, D. E. Substitution of a BF_3 probe for the LiI crystal in neutron rem-meters, 22:28183
HAWKINS, Daniel B. Equations for the sorption of cesium and strontium on soil and clinoptilolite, 21:19880 (IDO-12046)
  Zeolite studies. I, 22:10340
HAWKINS, Donald T. Hydrogen reduction of MoO_3, 24:19489
HAWKINS, Donald Thomson Effect of ordering on lattice heat capacities: ordered and disordered AuCu, 24:29159 (UCRL-19125)
HAWKINS, G. L. Seasonal behaviour of the topside ionosphere, 22:48024
  Studies of resonances and other phenomena on the fixed-frequency topside sounder records, 22:24177
HAWKINS, Gerald S. Conference on meteor orbits and dust, Cambridge, Mass., 8/65, 21:38825 (NASA-SP-135)
HAWKINS, Herbert Ross Shock tube study of the kinetics of thermal ionization, 22:3129
HAWKINS, J. D. Liquid scintillation counting of aqueous ^{3}H- and ^{14}O-protein solutions at room temperature, 21:19951
HAWKINS, L. C. Conjectures on the global stability problem of plasmoids, 24:32851
  Electrodynamics of plasmas, 24:12831
HAWKINS, Lawrence Carl Comments on Poynting's theorem for a moving conducting medium, 23:46511 (ORO-3895-3)
  Curvilinear polyadic moments of Boltzmann equation. I, 23:46472 (ORO-3895-2)
  Curvilinear polyadic moments of the Boltzmann equation. I, 25:7388
HAWKINS, R. B. Jervis Bay nuclear power station investigations for civil works. III, 25:34316 (NP-18797(Vol.3))
HAWKINS, R. G. Method for neutron flux spectra determination by foil activation. I, 24:16828 (AD-820556)
HAWKINS, R. H. ^{208}Tl and ^{24}Na gamma sources for identifying soil water tagged with deuterium, 25:37495
  Bentonite as a protective cover for buried radioactive waste, 21:16096
  Gamma-photoneutron method for laboratory studies of soil water, 24:44104
  Method and apparatus for tracing fluid flow through porous media, 21:3336
  Miscible displacement measurements within laboratory columns using the gamma-photoneutron method, 25:18523
  Use of γ-neutron reaction for determining D_2O in H_2O and in tracing soil moisture, 23:13654 (DP-MS-68-9)
  Zeolite prefilter to reduce pluggage in zeolite cesium removal column, 25:18621 (DP-1245)
HAWKINS, R. J. Cation diffusion in fluorite lattices, 21:41624
  Cation diffusion in UO/sub 2 + x/ and ThO_2 using α-ray spectrometry, 22:28955
HAWKINS, Richard H. Use of gamma-neutron reaction for determining D_2O in H_2O and in tracing soil moisture, 22:30693
  Use of sand as a prefilter for ion exchange columns, 23:40968 (DP-1189)
HAWKINS, Ronald J. Integral nuclear reactor-heat exchanger system, 22:35693
HAWKINS, Ronald James Improvements in nuclear reactors, 21:31992
  Improvements in nuclear reactors, 21:31987
  Improvements in nuclear reactors, 23:15607
  Improvements in or relating to heat exchangers, 25:46160
  Improvements in or relating to nuclear reactors, 22:25179
  Improvements in or relating to sealing means, 21:8007
HAWKINS, S. M. Calculation of the triton binding energy, 23:25787
  Triton binding energy calculations with realistic local potentials, 23:8931
HAWKINS, S. R. Lightweight 50 kG superconducting magnet system for optical research instrumentation, 21:14510
HAWKINS, S. W. Occurrence of singularities in cosmology, 21:1981
  Stable and generic properties in general relativity, 25:43696
HAWKINS, T. D. Thermal conductivity of hydrogen from 2,000 to 4,700°F, 21:36253
  Thermal properties of W to 5000 deg F, 21:11217 (N-66-19519)
HAWKINS, W. K. Gamma-ray logging in uranium prospecting, 23:35490
HAWKINS, William K. Use of logging in uranium prospecting, 24:7498 (NP-18085)
HAWKS, Paul H. Sedimentation survey of Lake Guayabal, Puerto Rico using a nuclear sediment density probe, 24:39039 (PRNC-135, pp 269-86)
HAWKYARD, J. B. Laboratory scale experiments into cavity and crater formation by high explosive charges, 25:297
HAWLEY, C. A. Jr. Secretion of ^{131}I into milk under conditions of environmental contamination of pasture, 21:14618
HAWLEY, J. G. Study of output of Q-switch laser system, 21:27869 (SC-TM-67-185)
HAWLEY, John P. SNAP reactor water-immersion accident prevention through use of Gd, 22:6080
HAWLEY, R. Vacuum as an insulator, 22:10536
HAWLICZEK, F. Pendulum radiation with fast electrons for therapy of mammary carcinomas, 24:44571
  Testing renal function in cases of urinary tract drainage by isotopic nephrogramm, 22:25957
HAWLICZEK, Fritz Semi-automatic equipment for evaluation of photoisodose curves, 24:44357
HAWORTH, C. W. Structure of metals and alloys, 23:36138
HAWORTH, D. R. Heat transfer from high-temperature spheres to liquid sodium, 21:36238
  Heat transfer from spheres into subcooled liquid sodium, 23:2509
HAWRYLEWICZ, E. J. Effect of proton irradiation on serum and tissue LDH isoenzymes, 23:47963
  Prog. rpt. on effect of whole-body ionizing irradiation on activity levels of blood serum enzymes, final, 3/23/65—5/15/67, 23:16220 (AD-664176)
HAWS, C. C. Engineering-scale demonstration of the sol-gel process: preparation of 100 kg of ThO_2UO_2 microspheres at the rate of 10 kg/day, 25:42937 (ORNL-4544)
  Sol-gel processes for urania—thoria fuels, 24:30005 (CONF-700502-, pp 123-36)
  Vertical tube furnace for continuously calcining sol-gel-derived ThO_2—UO_2 at a rate of 35 kilograms per day, 23:13692 (ORNL-3894)
HAWS, C. C. Jr. Application of ion exchange for recycle of 2-ethyl-1-hexanol to sol-gel preparation of spheres, 25:15727 (ORNL-TM-3226)
  Engineering development of sol—gel processes at Oak Ridge National Laboratory, 22:12476 (ORNL-TM-1978)
  Testing of equipment for TURF, 21:36809
HAWSON, C. L. Debris from atomic explosion at Mururoa on 7 July 1968, 24:46361
  Transfer of nuclear debris from southern to northern troposphere, 24:20896
HAWTHORNE, H. A. Effect of ammonium nitrate on ^{90}Sr concentration in tomato organs, 24:31892 (UCLA-12-772)
  Effect of moisture tension of the concentration of tracer ^{85}Sr in expressed soil solution, 21:28091
HAWTHORNE, J. E. Shop scheduling with known workloads, 23:31252 (CTC-15)
  Shop scheduling with known workloads, 25:1997 (CTC-15(Rev.1))
HAWTHORNE, J. R. Analysis of radiation-induced embrittlement gradients on fracture characteristics of thick-walled pressure vessel steels, 25:42841 (CONF-710512-8)
  Availability of data on irradiated materials as related to design requirements for pressure vessels, 22:35658 (AD-663879)
  Behavior of mechanical properties in neutron-irradiated 12Ni—5Cr—3Mo, 24:1050 (NRL-6945)
  Behavior of mechanical properties in neutron irradiated 12Ni—5Cr—3Mo maraging steel plate and companion weld metals, 24:12432 (AD-696057)
  Effects of radiation with stresses and of periodic proof testing on pressure vessel material behavior, 22:19585 (NRL-6620)
  Experimental development of radiation resistant 85,000 psi yield strength reactor vessel low alloy steel filler metal (preirradiation evaluation), 24:48861 (CONF-700421-1)
  Hot cell equipment developed for remote tension test specimen evaluations at NRL, 23:13906 (NRL-6765)
  Improved radiation embrittlement resistance of A533B steel, 25:42907
  Influence of operating environment and procedures on material behavior, 21:38750
  Metallurgical variables as possible factors controlling radiation sensitivity of structural steels, 21:6838 (NRL-6420)
  Microstructure: a factor in radiation embrittlement sensitivity of structural steels, 21:6844
  Neutron irradiation embrittlement of several higher strength steels, 21:505 (NRL-6419)
  Postirradiation Charpy-V and dynamic tear shelf level performance of 12-in. thick A533-B plates and weld metal, 25:701 (AD-706004)
  Postirradiation dynamic tear and Charpy-V performance of steel plates and weld metal, 25:55586
  Pressure vessel material behavior, 23:1012
  Prog. rpt. on irradiation effects on reactor structural materials, 2—4/66, 21:4978 (NRL-Memo-1700)
  Prog. rpt. on irradiation effects on reactor structural materials, 11/1/66—1/31/67, 21:39607 (AD-650349)
  Prog. rpt. on irradiation effects on reactor structural materials, 8—10/66, 22:4811 (AD-646662)
  Prog. rpt. on irradiation effects on reactor structural materials, 2—4/68, 23:3088 (AD-671094)
  Prog. rpt. on irradiation effects on reactor structural materials, 8—10/68, 23:27122 (AD-681020)
  Prog. rpt. on irradiation effects on reactor structural materials, 11/68—1/69, 23:34022 (AD-685591)
  Prog. rpt. on irradiation effects on reactor structural materials, 8—10/69, 24:21395 (AD-698275)
  Prog. rpt. on irradiation effects on reactor structural materials, 11/69—1/70, 24:34920 (AD-703617)
  Prog. rpt. on irradiation effects on reactor structural materials, 2—4/70, 25:702 (AD-707336)
  Prog. rpt. on irradiation effects on reactor structural materials, 11/70—1/71, 25:49481 (AD-721068)
  Radiation resistant experimental weld metals for advanced reactor vessel steels, 24:48867
  Radiation-damage surveillance of power reactor pressure vessels, 21:21671
  Reassessment of fracture-safe operating criteria for reactor vessel steels, 24:46714 (NRL-7152)
  Research progress, 22:19577 (BNWL-455, Paper 9.1-34)
  Research progress, 22:31417 (BNWL-532, pp 9.1-23)
  Research progress, 23:22592 (BNWL-790, pp 9.1-20)
  Research progress, 23:24953 (BNWL-870, pp 9.1-19)
  Temperature dependence of phosphorus influence on radiation embrittlement sensitivity of reactor vessel steels, 25:40082
  Tensile properties of selected steels for use in nuclear reactor pressure vessels, 22:17147 (NRL-6649)
  Through-thickness notch ductility and tension properties as a function of neutron exposure to a simulated pressure vessel wall of A302-B steel, 22:8794
  Yankee reactor pressure vessel surveillance: notch ductility performance of vessel steel and maximum service fluence determined from exposure during cores II, III, and IV, 22:10016
  Yankee reactor pressure-vessel surveillance, 22:35413 (AD-661803)
HAWTHORNE, J. Russell Ductility of SM-1A reactor pressure vessel, 23:5086
  Effect of residual elements on 550°F irradiation response of selected pressure vessel steels and weldments, 23:12375 (NRL-6803)
  Improved radiation embrittlement resistance of steel, 25:2757 (NRL-7121)
  Initial assessments of notch ductility behavior of A533 pressure vessel steel with neutron irradiation, 23:27123 (AD-681373)
  Initial assessments of notch ductility behavior of A533 pressure vessel steel with neutron irradiation, 24:29988
  Neutron irradiated 12Ni—5Cr—3Mo maraging steel plate, 24:32473
  Neutron irradiation embrittlement characteristics of A533-B electroslag weldments, 25:4833
  Neutron-embrittled pressure vessel steels, 24:30000
  Notch ductility behavior of pressure vessel steel with neutron irradiation, 23:20517 (NRL-6772)
  Notch ductility properties of reactor pressure vessel, 22:43620 (NRL-6721)
  Notch ductility properties of SM-1A reactor pressure vessel following in-place annealing operation, 23:5083 (AD-671807)
  Prog. rpt. on irradiation effects on reactor structural materials, 5—7/67, 22:36508 (AD-661229)
  Prog. rpt. on irradiation effects on reactor structural materials, 8—10/67, 22:38589 (AD-663888)
  Radiation embrittlement of 12Ni—5Cr—3Mo maraging steel and companion weld metal at < 250°F and elevated temperatures, 22:31435
  Shelf energy degradation and yield strength increase of neutron-embrittled pressure vessel steels, 24:19470 (NRL-7011)
  Structural alloys for advanced reactor applications, 24:32472
  Through-thickness notch ductility and tension properties as function of neutron exposure of A302-B steel, 21:41627 (NRL-6575)
HAWTHORNE, M. Frederick Chemistry of n-$B_{18}H_{22}$ and i-$B_{18}H_{22}$, 22:37750
  Nucleophilic substitution at tetrahedral boron. Trimethylamine—alkyl- and -arylborane substrates, 25:41803
  Nucleophilic substitution at tetrahedral boron. Trimethyl- and triethylamine—borane substrates, 25:41802
  Nucleophilic substitution at tetrahedral boron. Methylamine—diarylborane substrates, 25:41804
HAWTHORNE, Russell Response of pressure vessel steels to irradiation at 550°F, 23:8253
HAWTHRONE, H. A. Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
HAWTIN, P. Air oxidation studies in a long graphite channel, 23:12390
  Diffusion of gases through graphite, 23:36226
  Effect of diffusion and bulk gas flow on thermal oxidation of porous carbons. II, 21:13229
  Effects of non uniform burn off on the kinetics of oxidation of large tubular specimens of graphite, 23:12389
  Flow of gases in porous solids, 21:43668
  FORTRAN programs for processing bomb calorimetry data, 21:1309 (AERE-R-5249)
  Methane diffusion: an examination of commercial advanced gas cooled reactors, 25:57044
  Simultaneous reaction, diffusion and bulk flow in tubular specimens of graphite. V, 25:8906 (AERE-R-4857)
HAXBY, R. O. Slow extraction from FFAG accelerators, 21:38083
HAY, Cynthia E. Effects of hydrogen-isotope labelling on steroid metabolism, 25:16022
HAY, D. R. Effect of carbon additions on shear modulus of tungsten and tungsten—3 percent rhenium alloy, 21:11209 (NP-16627)
  Electron-beam zone purification and analysis of tungsten, 22:25316
  High-angle substructure in electron-beam zone-melted tungsten, 21:45944
HAY, Donald Robert Parameters affecting the mechanical behavior of W, 22:4794
HAY, H. J. 0^+ states of ^{8}Be, 22:26866
  0^+ states of ^{8}Be, 22:41961
  Charge identification for spectral lines in nitrogen, 24:50260 (ANU-P-460)
  Energy levels of ^{23}Na, 21:13822 (ANU-P-374)
  Energy levels of ^{23}Na and ^{23}Mg, 21:27556
  Line shapes of low levels in ^{8}Be via the ^{9}Be(p,d)^{8}Be reaction, 21:15492
HAY, J. D. Experience of concrete pressure vessels in relation to reactor safety, 24:24687
  Hinkley point B civil engineering, 22:46971
  Practical and economic design aspects of cylindrical pressure vessels, 23:11225
  Prestressed concrete pressure vessels for nuclear power stations, 21:4386
  Prestressed concrete pressure vessels for Hinkley Point 'B' and Hunterston 'B', 23:37397
  Rupture design of the Oldbury vessels, 23:11135
HAY, Jan Content of ^{137}Cs in muscles of rabbits and hares, 23:50465

- HAY, John Douglas Improved high-pressure vessel constructed of prestressed concrete, 21:27842
- HAY, M. Molecular aggregation and serological specificity of human serum albumin irradiated in solution, 22:49275
- HAY, M. G. Nitride hardening of a Mo—Ti alloy, 23:24919
- HAY, R. D. Design of beam inflector magnets for ultrahigh vacuum operation, 23:28111
  - Estimations of magnetic field distributions in three dimensions using two dimensional computer program TRIMM, 25:50501
  - Experience with metal and epoxy vacuum chambers and the development of alumina ceramic vacuum chambers at the CEA, 21:38097
- HAY, S. Effect of β phase-retaining or delta phase stabilizing elements on Pu during alpha—beta thermal cycling, 25:11393
  - Studies of the binary systems Pu—Au, Pu—Ga, and Pu—In, 21:32914
- HAY, William D. Guide for probe assembly of portable radiation backscatter measuring instrument, 24:48336
  - Portable beta backscatter measuring instrument assembly, 25:32294
  - Portable beta backscatter type measuring instrument, 24:16906
  - Workpiece support and mask assemblies for radiation backscatter measuring instruments, 23:14062
- HAYAAHI, Kozi Effects of C content on properties of WC—TiC—TaC—10 percent Co alloys, 22:4861
- HAYAKAWA, Akira Dosimetry of accelerated electron. I, 24:25310
  - Effect of ionizing radiation on starch. III, 24:29901
  - Radiation treatment of rice. I, 23:29938
- HAYAKAWA, Hironobu Silica gel as support for inorganic ion-exchangers for determination of ^{137}Cs in natural waters, 25:4033
- HAYAKAWA, Jo Radiation high-polymer chemistry, 22:51016
- HAYAKAWA, Jun-ichiro Effects of spleen shielded irradiation on ^{59}Fe incorporation into red blood cells in three different strains of mice, 23:12223
  - Erythropoietic recovery after irradiation in two strains of mice, 24:12279
- HAYAKAWA, Kiyoshi Gamma induced copolymerization of styrene on cellulose acetate, 21:17685
  - Graft copolymerization of vinyl chloride and vinylidene chloride, 24:9406
  - Graft copolymerizations of gaseous vinyl chloride and vinylidene chloride on preirradiated polypropylene, 21:19660
  - Graft copolymerizations of gaseous vinyl chloride and vinylidene chloride on preirradiated polypropylene, 23:11566
  - γ-ray and ultraviolet graft copolymerization of maleimide by vapor-phase method, 24:29332
  - Induced-γ-ray polymerization of some vinyl-substituted silanes, 22:12379
  - Radiation graft copolymerization of acrylamide on polyolefins, 24:22679
  - Radiation induced solid state polymerization of maleimides in binary system, 24:36286
  - Radiation-induced copolymerization of maleimides and acenaphthylene, 24:251
  - Radiation-induced gas-phase graft copolymerization of alkyl methacrylates, 23:6173
  - Radiation-induced graft copolymerization of alkyl methacrylates onto polypropylene, 22:25427
  - Radiation-induced polymerization of N-ethylmaleimide, 24:5697
  - Radiation-induced polymerization of maleimides in solid state, 24:36288
  - Vapor-phase graft copolymerization of vinyl chloride and vinylidene chloride on polypropylene, 22:42754
  - Vapor-phase radiation graft copolymerization using solid monomers, 22:27821
- HAYAKAWA, Masashi Dispersion of waves in the lower exosphere with multiple ionic species, 24:30232
  - Electromagnetic wave scattering by cylindrical irregularities in ionospheric plasma, 23:6922
  - Electromagnetic wave scattering by ionospheric irregularities, 23:42092
  - Propagation of Alfven waves in magnetosphere, 23:25207
  - Rocket observation of VLF radio waves in the ionosphere, 24:37327
- HAYAKAWA, Mizuaki Gauge, renormalization, and the Goto—Imamura—Schwinger term in quantum electrodynamics, 25:3444
  - Spectral shift of light rays emitted from a pulsating object, 22:31538
- HAYAKAWA, S. Correlation between the densities of x-ray sources and interstellar gas, 23:34165
  - Cosmic rays and high-energy physics, 22:5172
  - Differential cross sections and phase shifts for ^{3}He + ^{4}He elastic scattering, 24:1737
  - Diffuse cosmic far-uv radiation and interstellar dust grains, 24:17581
  - Measurement of the absolute intensity of cosmic x rays, 23:34166
  - Modulation of cosmic-ray electrons, 23:46320
  - New soft x-ray source in Aries—Taurus region, 25:35710
  - Observation of cosmic soft X rays, 25:58548
  - Polarization of ^{3}He elastically scattered by ^{12}C and the ^{3}He spin-orbit optical potential, 22:39596
  - T = 9/2 analogue state in ^{63}Ni, 25:5609
- HAYAKAWA, S. I. Effective two-body force using ^{54}Fe(^{3}He,t) charge exchange reaction, 23:39975 (COO-535-593)
  - Effective two-body force using the ^{54}Fe(^{3}He,t) charge exchange reaction, 23:39994
  - Excited states of ^{44}V, 25:20347
  - Isobaric analog ground states for several nuclei using the (^{3}He,t) reaction, 25:23009
  - Quasielastic and quasi-inelastic (^{3}He,t) scattering from Ni isotopes, 24:10959
  - Reaction ^{90}Zr(^{3}He,t), 24:10990
- HAYAKAWA, Saburo Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
- HAYAKAWA, Sachio Possible lunar x rays excited by terrestrial electrons, 22:15445
- HAYAKAWA, Satio Cosmic background x-rays produced by intergalactic innerbremsstrahlung, 23:44199
  - Cosmic ray physics, 24:12662
  - Direct production of muon pairs at high energies, 23:39649
  - Electron—photon cascade process in intergalactic space, 21:13410
  - Hydrogen flicker and associated high-energy radiation, 22:26105
  - Metagalactic inverse Compton effect and cosmic x-ray background, 24:17616
  - Observation of cosmic gamma rays, 25:33090
  - Observation of galactic x rays, 22:15298
  - Observations of energy spectra of galactic x rays, 21:14934
  - Origin of light elements in the solar system, 23:27297
  - Polarization of recoil protons from neutral pion photoproduction, 22:44306
  - Possible mechanism of direct production of muon pairs at high energies, 24:3612 (SJC-P-68-6)
  - Proportional counter for cosmic soft x-ray measurement, 24:33903
  - Scattering of cosmic x rays by interstellar dust grains, 24:48969
- HAYAKAWA, Seiichi Effect of ionizing radiation on starch. III, 24:29901
- HAYAKAWA, Shigeru Efficient sputtering in a cold-cathode discharge in magnetron geometry, 22:11202
  - Formation, microstructure, and properties of barium zirconium sulfide ceramics, 25:8920
- HAYAKAWA, Shun-Ichiro Isobaric-spin analogue resonance and nuclear spectroscopy in odd-palladium isotopes, 21:46784
- HAYAKAWA, Sohachiro In-pile calorimetric dosimetry. II, 22:6169
  - In-pile calorimetric dosimetry. I, 21:22216
- HAYAKAWA, Y. Preparation of tantalum nitride by means of nitrogen plasma jet, 22:15237 (MLM-1475(tr))
- HAYAMI, Akimune Electron therapy with 6 MeV linear accelerator, 24:23276
  - Method of skin dose calculation for arc therapy with medium energy x-ray and RI γ ray. III, 21:8819
  - Resolving power of a finite sized ionization chamber by means of the modulation transfer function, 22:23286
- HAYAMI, Kazuo Turbine generators for nuclear power stations, 25:46583
- HAYAMI, Tadashi Spectrophotometric determination of fluorine with PAC—Th complex, 21:27900
- HAYASAKA, Hideo Cycle of Th—U—Pu system on fast breeder. I, 23:23925
  - Cycle of Th—U—Pu system on fast breeder. II, 23:45085
  - Cycle of Th—U—Pu system on fast breeder. II, 23:49568
  - Neutron wave propagation in heterogeneous multiplying medium, 23:2120
  - Study of neutron wave propagation, 23:7423
- HAYASAKA, Toyoo Determination of W in Fe, Mo, and Ti by x-ray fluorescence analysis, 24:43955
- HAYASE, Ichikazu Geochronology and isotope geology, 24:16681
- HAYASE, K. Light scattering from a strongly inhomogeneous plasma, 25:1186
  - Measurement of electron density and temperature in slow theta-pinch plasma by laser scattering, 25:25099
  - Operating theta pinch in very low-pressure region, 24:17910
- HAYASE, Kiyoshi Application of Z-pinch preionization to slow theta pinch, 24:17949
  - Experimental investigation of slow theta pinch plasma (BSG I'), 25:7366 (IPPJ-96)
  - Measurements of electron temperature and density of slow theta-pinch plasma by laser scattering, 23:12787
  - Measurements of electron temperature and density of slow theta pinch plasma by laser scattering, 25:1175
  - Measurements of slow theta pinch plasma, 22:46132
  - Measurements of slow theta-pinch plasma by Mach—Zehnder interferometer, 23:12767
- HAYASE, Yuichi Operating experiences of various fast breeder reactors in the world. VIII, 24:20608
- HAYASHI Radioinduced electrical conductivity of n-hexane, 23:17460 (JAERI-5018, pp 65-7)
  - Radioinduced electrical conductivity of n-hexane, 23:17460 (JAERI-5018, pp 65-7)
- HAYASHI, Akio Construction on Takahama Nuclear Power Station, 25:23122
- HAYASHI, C. Characteristics of an UHV chamber, 22:16853
  - Characteristics of an ultrahigh vacuum chamber, 22:23252
  - Preparation of Zircaloy standards sample, 24:970
- HAYASHI, Chikara Melting and casting refractory or reactive metals by using a plasma-electron-beam, 21:34875
  - Melting and casting refractory or reactive metals by plasma electron beam, 22:6941
  - Preparation of zircaloy standard samples for spectrochemical analysis, 23:7460
- HAYASHI, Chozo Modified method of ferrous sulfate dosimetry. I, 23:20014
- HAYASHI, Chushiro Central temperature and density of stars in gravitational equilibrium, 21:5034
  - Collapse and contraction to main sequence, 25:24710
  - Collapse and flare-up of protostars, 23:39108
  - Effect of electron capture on the temperature in dense stars, 25:8973
  - Evolution of carbon stars. I, 22:31537
  - Evolution of carbon stars. II, 22:45843
  - Evolution of iron stars, 24:42372
  - Evolution of protostars, 22:7118
  - Rapid contraction of protostar to stage of quasi-hydrostatic equilibrium. I, 22:45842
  - Rapid contraction of protostars to stage of quasi-hydrostatic equilibrium. II, 24:42333
  - Rapid contraction of protostars to the stage of quasi-hydrostatic equilibrium. III, 24:46902
- HAYASHI, Eisuke Self-consistent band calculations for vanadium and chromium, 25:9597
- HAYASHI, Fumikazu Characteristics test of KUR radiation monitors. I, 23:2557 (KURRI-TR-23)
  - Log of interior radioactive monitoring. I, 23:15965 (KURRI-TR-1)
  - Log of interior radioactivity monitoring. II, 23:26088 (KURRI-TR-11)
- HAYASHI, H. Thermally activated flow in iron, low carbon steel, and other body-centered cubic metals (V and Ta), 25:35380
- HAYASHI, Haruhisa Multiple kink effect in graphite, 25:9586
- HAYASHI, Hirofumi One-boson-exchange contributions to elastic p—p scattering, 24:13121
- HAYASHI, Hiroshi Calculation program MIVOID for structure change of oxide fuel, 24:3050
  - Fission-gas release from fissioning UO_2, 22:41136
  - Growth of IVa-diboride single crystals in molten Fe, 25:32789
  - Techniques for in-pile measurements of fission-gas release, 24:47983
- HAYASHI, Hisaharu Electron spin resonance of irradiated single crystals of sodium and potassium 1-oximinopropionates, 21:15958
- HAYASHI, I. Particle detection experiment for Applications Technology Satellite 1, 24:12688 (N-70-11028)
- HAYASHI, Izumi Behavior of the high-temperature plasma in a theta pinch, 22:41583
  - High-speed photographing of fast theta-pinch plasma, 25:52789
- HAYASHI, J. Grain growth in UO_2. III, 21:20580
- HAYASHI, K. Active species in the radiation-induced postpolymerization of trioxane, 23:7573
  - Compositeness conditions for particles with identical quantum numbers, 23:1682
  - Polar chorus emission and worldwide geomagnetic variation, 23:18516
  - Polymerization of trioxane, 22:51033
  - Radiation-induced cationic polymerization of isobutene, 21:34304
  - Radiation-induced polymerization of urea canal complex. I, 21:14264
  - Radiation-induced postpolymerization of trioxane in solid state, 21:43005
  - Radiation-induced solid-state polymerization of trioxane, 24:13926
  - Radical and ionic species in radiation-induced polymerization, 21:23993
  - Radical induced cationic polymerization, 21:5921
  - Radioactivation analysis studies of polymerization reactions. I, 24:38800
  - Radioactivation analysis studies of polymerization reactions. II, 24:38929
  - Solar flare effect on VLF chorus, 23:25090
  - Studies on radiation-induced ionic polymerization. II, 21:119
  - Study by ESR of the free radicals in irradiated tetroxane, 24:48142
  - Two-channel model of π-meson, 21:40213
- HAYASHI, Kanae Charge scavenging in non-polar liquid, 23:43364
  - Estimate of free ion life time by pulse electrical conductivity method, 22:8127
  - Estimation of free ion lifetime by pulse electrical conductivity, 22:42712 (AEC-tr-6937, pp 96-103)
  - Ion radicals of styrene in irradiated organic glasses, 23:17394 (JAERI-5018, pp 70)
  - Ion radicals of styrene in irradiated organic glasses studied by electron spin resonance, 23:19760
  - Radiation-induced ionic reaction by electrical conductivity. III, 21:19697
  - Radiation-induced polymerization by free ions. III, 21:19698
  - Radiation-induced polymerization by free ions. II, 21:32155
  - Radiation-induced polymerization by free ions. III, 22:8101 (AEC-tr-6908, pp 117-29)
  - Radioinduced copolymerization of olefins in presence of metal salts, 24:11559 (JAERI-5022, pp 45-9)
  - Radioinduced electrical conductivity in n-alkanes at low temperature, 23:17461 (JAERI-5018, pp 68-9)
  - Radioinduced polymerization by free ions. III, 21:42981
  - Studies on radiation-induced free-ionic polymerization by electrical conductivity measurements. II, 25:10610 (JAERI-5026, pp 169-71)
  - Studies on radioinduced ionic polymerization by electric conductivity measurements. I, 24:11581 (JAERI-5022, pp 194-5)
  - Study of radiation-induced ionic reaction by electrical conductivity. III, 22:8100 (AEC-tr-6908, pp 97-116)
  - Study on the radiation induced free ion yields in n-alkanes, 22:42711 (AEC-tr-6937, pp 84-95)
  - Study on the radiation-induced free ion yields in n-alkanes, 22:8126
- HAYASHI, Kanji Balloon observation of auroral x rays at Syowa Station, Antarctica, 25:17030
- HAYASHI, Katsuhiko Device for rotating the claws of a radioactive material handling tong, 22:49055
  - Grip-slide type tongs for a radioactive material handling manipulator, 22:49056
  - Hollow rod for a manipulator tong passing through a shielding wall, 22:49054
  - Portable radiation shield with iron sand, 22:48988
- HAYASHI, Kenichi Landau damping of surface wave along a plasma column, 25:30491
- HAYASHI, Kenji Compositeness criteria of particles in quantum field theory and S-matrix theory, 22:18041

  - Extended translation invariance and associated gauge fields, 22:1482
  - Gauge theories of massive and massless tensor fields, 22:29757
  - High spin propagation of massive and massless particles, 23:39757
- HAYASHI, Kenjiro Ultraviolet spectrophotometric determination of Te(IV), 25:15498
- HAYASHI, Kiyozumi State of development of ATR and construction of prototype, 24:24803
- HAYASHI, Koichi Possibility of obtaining pion electromagnetic form factor, 24:3592
  - Regge inequality in the S-matrix theory, 23:8862
  - S-wave $\pi\pi$ scattering with small scattering lengths, 22:32130
- HAYASHI, Koichiro Acetylation of polyoxymethylene prepared by radioinduced polymerization of trioxane, 24:31390
  - Behavior of trapped electrons in irradiated 3-methylpentane glass at 77°K, 22:16617
  - Charge recombination in the radiolysis of liquid and glassy hydrocarbons, 21:1394
  - Charge scavenging in non-polar liquid, 23:43364
  - Dissociative electron capture process of methyl vinyl ether in organic glasses, 25:18456
  - Effect of high electric field on radioinduced polymerization of styrene at room temperature, 22:33411
  - Electron microscope study of the radiochemical polymerization of monocrystals of tetroxane, 22:27815
  - Electron spin resonance study of irradiated cyclic ethers, 22:8129
  - Electron spin resonance study of irradiated cyclic ethers, 22:42714 (AEC-tr-6937, pp 117-32)
  - Electron spin resonance study of radiation- and free radical-induced reactions of methylenecycloalkanes, 21:22003
  - Electron spin resonance study on irradiated pyridine, 23:37982
  - ESR spectra of irradiated nitroethane and polynitroethylene, 24:22710
  - ESR spectra of trapped electrons in γ-irradiated 3-methylpentane, 21:8353
  - ESR study of irradiated polyoxymethylene, 22:8130
  - ESR study of irradiated polyoxymethylene, 22:42715 (AEC-tr-6937, pp 133-44)
  - ESR study of poly-3,3-bis(chloromethyl)oxetane irradiated with electron beams and ultraviolet light, 24:22691
  - ESR study on irradiated monomer and polymer of 3,3-bis(chloromethyl)oxetane, 21:19686
  - ESR study on irradiated monomer and polymer of 3,3-bis(chloromethyl)oxetane, 21:19701
  - ESR study on irradiated monomer and polymer of 3,3-bis (chloromethyl) oxetane, 22:8104 (AEC-tr-6908, pp 145-53)
  - ESR study on irradiated organic glass containing styrene, 22:8128
  - ESR study on irradiated organic glass containing styrene, 22:42713 (AEC-tr-6937, pp 109-16)
  - ESR study on irradiated pyridine, 21:19700
  - ESR study on irradiated pyridine: effect of iodine addition, 21:19668
  - ESR study on irradiated pyridine: effect of iodine addition, 22:8103 (AEC-tr-6908, pp 139-44)
  - ESR study on radiation-induced polymerization of isobutene, 21:19702
  - ESR study on radiation-induced polymerization of isobutene, 21:23937
  - Estimation of free ion lifetime by pulse electrical conductivity, 22:42712 (AEC-tr-6937, pp 96-103)
  - Free ion mechanism on radiation induced polymerization of isobutyl vinyl ether, 22:42708 (AEC-tr-6937, pp 59-68)
  - Free ion mechanism on radiation-induced polymerization of isobutyl vinyl ether, 22:8123
  - Initiation of radiation ion polymerization and the characteristics of its growth reactions, 23:15903
  - Ion radicals of styrene in irradiated organic glasses, 23:17394 (JAERI-5018, pp 70)
  - Ion radicals of styrene in irradiated organic glasses studied by electron spin resonance, 23:19760
  - Ionic graft copolymerization. VIII, 24:226
  - Ionic processes of vinyl ethers in irradiated 3-methylpentane glass, 23:35209
  - Mass spectra of pyridine and picolines, 22:8052
  - Mass spectra of pyridine and picolines, 22:42647 (AEC-tr-6937, pp 104-8)
  - Mass-spectrometric study in the radiation-induced polymerization of nitroethylene, 21:23938
  - Mechanism of radioinduced ionic polymerization, 22:40144
  - Method for producing chlorinated polymeric substances by ionizing radiation, 21:5967
  - Radiation induced copolymerization of allyl acetate and sulfur dioxide, and thermal decomposition of the copolymer obtained, 21:14273
  - Radiation induced copolymerization of butadiene and sulfur dioxide, 21:14266
  - Radiation induced ionic polymerization. VI, 22:42709 (AEC-tr-6937, pp 69-74)
  - Radiation induced ionic polymerization of styrene. VII, 22:42710 (AEC-tr-6937, pp 75-83)
  - Radiation induced polymerization of isoprene in the aqueous solution of silver nitrate, 21:17684
  - Radiation induced polymerization of some cyclic monomers in liquid state, 22:42707 (AEC-tr-6937, pp 54-8)
  - Radiation induced polymerizations of α-olefines. II, 22:8097 (AEC-tr-6908, pp 64-73)
  - Radiation- and photo-induced copolymerization of arcylonitrile and propylene, 24:11560 (JAERI-5022, pp 50-2)
  - Radiation-induced curing of prepolymers of some condensation systems, 23:26286
  - Radiation-induced ionic polymerization of styrene. V, 21:19696
  - Radiation-induced ionic polymerization of styrene. V, 22:8099 (AEC-tr-6908, pp 79-96)
  - Radiation-induced ionic reaction by electrical conductivity. III, 21:19697
  - Radiation-induced polymerization by electronic spectroscopy. I, 21:19703
  - Radiation-induced polymerization by free ions. III, 21:19698
  - Radiation-induced polymerization by free ions. II, 21:32155
  - Radiation-induced polymerization by free ions. I, 21:32199
  - Radiation-induced polymerization by free ions. III, 22:8101 (AEC-tr-6908, pp 117-29)
  - Radiation-induced polymerization of nitroethylene, 21:15932
  - Radiation-induced polymerization of α-olefines. II, 21:19694
  - Radiation-induced polymerization of α-olefines. I, 21:19693
  - Radiation-induced polymerization of α-olefines. III, 21:19695
  - Radiation-induced polymerization of some ring compounds in the liquid state, 21:25886
  - Radiation-induced polymerization of isobutene, 22:8105 (AEC-tr-6908, pp 154-6)
  - Radiation-induced polymerization of some cyclic monomers in liquid state, 22:8122
  - Radiation-induced polymerization of isoprene in aqueous solution of silver nitrate, 22:27765
  - Radiation-induced polymerization of nitroethylene, 23:33226
  - Radiation-induced polymerization of pentoxane, 24:11640
  - Radiation-induced polymerization of tetraoxane in the solid state, 25:23601
  - Radiation-induced polymerizations of α-olefines. I, 22:8096 (AEC-tr-6908, pp 56-63)
  - Radiation-induced polymerizations of α-olefines. III, 22:8098 (AEC-tr-6908, pp 74-8)
  - Radiation-induced postpolymerization of nitroethylene, 24:16613
  - Radiation-induced postpolymerization of trioxane in the solid state. II, 25:10611
  - Radiation-induced solid-state polymerization of trioxane, 21:19704
  - Radiation-induced solid-state polymerization of vinyl compounds in binary systems, 21:36038
  - Radiation-induced solid-state polymerization in binary systems. V, 21:36037
  - Radiation-induced solid-state polymerization in binary systems. IV, 21:45174
  - Radiation-induced solid-state polymerization of trioxane, 22:8107 (AEC-tr-6908, pp 173-82)
  - Radiation-induced solid-state polymerization of trioxane under high pressure, 25:23603
  - Radiochemical polymerization of tetraoxane monocrystals, 23:15875 (BNL-tr-256)
  - Radioinduced copolymerization of formaldehyde in liquid CO_2, 24:11561 (JAERI-5022, pp 53-8)
  - Radioinduced copolymerization of olefins in presence of metal salts, 24:11559 (JAERI-5022, pp 45-9)
  - Radioinduced electrical conductivity in n-alkanes at low temperature, 23:17461 (JAERI-5018, pp 68-9)
  - Radioinduced polymerization by free ions. III, 21:42981
  - Radioinduced polymerization of adsorbed monomers. I, 24:11580 (JAERI-5022, pp 190-3)
  - Radioinduced polymerization of isobutyl vinyl ether, 22:51013
  - Radioinduced polymerization of isobutene at low temperature, 23:17462 (JAERI-5018, pp 73-7)
  - Radioinduced polymerization of trioxane, 24:31388
  - Radioinduced solid state polymerization. II, 23:17454 (JAERI-5018, pp 31-3)
  - Reactions of active species in irradiated organic solids, 24:11582 (JAERI-5022, pp 196-8)
  - Spectroscopic studies on radiation induced polymerization. II, 22:42716 (AEC-tr-6937, pp 145-57)
  - Spectroscopic studies on radiation-induced polymerization. II, 22:8131
  - Spectroscopic studies on radioinduced polymerization. IV, 24:11556 (JAERI-5022, pp 27-32)
  - Spectroscopic studies on radioinduced polymerization. III, 24:11555 (JAERI-5022, pp 18-26)
  - Studies on radiation induced solid state polymerization on the chain propagation in the solid state, 22:8132
  - Studies on radiation induced solid state polymerization on the chain propagation in the solid state, 22:42717 (AEC-tr-6937, pp 158-69)
  - Studies on radiation-induced free-ionic polymerization by electrical conductivity measurements. II, 25:10610 (JAERI-5026, pp 169-71)
  - Studies on radiation-induced ionic polymerization of styrene. VII, 22:8125
  - Studies on radiation-induced ionic polymerization. VI, 22:8124
  - Studies on radiation-induced polymerization by electronic spectroscopy. I, 22:8106 (AEC-tr-6908, pp 157-72)
  - Studies on radioinduced ionic polymerization by electric conductivity measurements. I, 24:11581 (JAERI-5022, pp 194-5)
  - Study of radiation-induced ionic reaction by electrical conductivity. III, 22:8100 (AEC-tr-6908, pp 97-116)
  - Study of thermal decay of trapped electrons and other species in an organic glass by rapid-scan electron spin resonance, 24:41364
  - Study on the radiation induced free ion yields in n-alkanes, 22:42711 (AEC-tr-6937, pp 84-95)
  - Study on the radiation-induced free ion yields in n-alkanes, 22:8126
  - Trapped electrons in γ-irradiated 3-methylpentane, 21:19699
  - Trapped electrons in γ-irradiated 3-methylpentane, 22:8102 (AEC-tr-6908, pp 130-8)
- HAYASHI, Koichro Estimate of free ion life time by pulse electrical conductivity method, 22:8127
- HAYASHI, Kozi Effects of additive carbides on strength of WC—10 percent Co alloy, 24:36983
  - Effects of grain size and carbon content on strength of WC—10 percent Co alloys, 23:32061
  - Effects of the C content on the properties of WC—TiC—Co alloys, 21:11319
  - Effects of the carbon content on the properties of WC—TiC—Co alloys, 22:2696
  - Observations on surface cracks and fracture surfaces of cemented carbides, 23:8203
  - Properties of sintered WC—TiC—10 percent (Co + Ni) alloys, 21:33005
  - Relations between properties of WC—TiN—TaC—10 percent Co alloys and C content, 22:17163
  - Relations between properties of WC—TiC—NbC—10 percent Co content, 22:43658
  - Role of particle size and C content in high strength WC—10 percent Co alloys, 24:14922
  - Two-phase region in TiC—Mo—30 percent Ni alloys, 25:27298
- HAYASHI, M. Angular decay distributions of $N^*(1236)$, 24:6722
  - Application of the microcanonical distribution to the statistical theory of multiple production of particles, 21:2395
  - Regge-pole model for processes $\pi(K)p \rightarrow \pi(K)N^*$, 22:32165
  - Resonances produced in the photoproduction processes $\gamma B \rightarrow VB$ and $\gamma B \rightarrow VB^*$, 24:10720
  - Total absorption type lead glass Cherenkov counter with high resolution, 25:42154
  - Vector dominance model and charged pion photoproduction sum rules, 23:42609
  - Vector dominance model and charged pion photoproduction sum rules, 23:51972
  - Vector-dominance model and eta photoproduction, 23:42608
- HAYASHI, Masahiro Activation analysis of Cl, 23:45227
- HAYASHI, Masaki Annihilation (antipn) by the quark rearrangement model, 21:27360
  - Electrophoretic characterization of phiX174-specific proteins, 24:2571
  - Intermediates in assembly of phiX174, 24:25392
- HAYASHI, Masaru RBE of radiations in E-1 hole of Kyoto University reactor (KUR), 23:43913
- HAYASHI, Masatoshi Age of fission neutrons to indium resonance in water and polyethylene, 25:28157
- HAYASHI, Michiro Molecular vibrations and force fields of dimethyl selenide and dimethyl selenide-d_6, 24:29274
  - Structure of trans ethyl methyl ether and the W form of diethyl ether, 25:29072
- HAYASHI, Mitsuaki Effects of internal radiation of ^{90}Sr on the mouse, 21:13020
  - Experimental radiation injury in mice by internal ^{90}Sr. III, 21:14602
- HAYASHI, N. Pulse radiolysis of liquid amides, 25:44397
- HAYASHI, Nobuyoshi Cobalt-60 gamma-radiolysis of liquid formamide, 24:13898
- HAYASHI, Nobuyuki Interaction of oxygen with hot tungsten filament, 25:37929
- HAYASHI, Osamu Portable alarm meter, 24:31690
  - Portable radiation-exposure alarm and meter, 24:48271
- HAYASHI, S. Uranium occurrences in small sedimentary basins in Japan, 25:18546
- HAYASHI, Seiju Determination of uranium contents in some rocks based on fission track method, 25:10474
- HAYASHI, Shigejiro Radiation dose: tumor control assays for irradiation through a sieve, 22:38386
- HAYASHI, Shigeru Heat-load test of the cooling towers in the utilities cooling line of JMTR, 22:47030
  - Steam generator for a prototype sodium-cooled fast breeder reactor, 25:23326
- HAYASHI, Shinji Cytological and cytogenetical studies on paramecium polycaryum. VI, 21:18034
- HAYASHI, Shoichiro Uranium deposits in western part of Yamaguchi Prefecture, Japan, 22:51114
- HAYASHI, Shu A. Fast neutron spectra from natural uranium target bombarded with high energy electrons, 25:36767
  - Measurement of fast neutron spectrum with ^{6}Li and ^{3}He sandwich counters, 24:25295 (KURRI-TR-67)
  - Measurements of angular distributions and energy spectra of photoneutrons from lead targets bombarded by high energy electrons, 25:31317
- HAYASHI, T. A multicounter goniometer for gamma-gamma angular correlation measurements, 21:32408
  - Excited states and transitions in ^{199}Au, 24:3930
  - Excited states in ^{106}Pd, 25:25743
  - Gamma transition studies of ^{123}Sb, 25:31388
  - Magnetic moments of three excited states in ^{149}Pm, 25:12609
  - Multicounter goniometer for gamma—gamma angular correlation measurements, 24:4448
  - Protection of ocean and atmosphere from contamination by radioactive waste disposal, 25:51607 (A/CONF.49/P-250)
  - Radiation-induced thymine formation from thymine glycol, 24:39432
- HAYASHI, Tadamasa Waste disposal systems in the first nuclear-powered ship, 24:2432
- HAYASHI, Takaharu Multiplicity reactivation of ultraviolet irradiated ribonucleic acid, 23:17995
  - Radiation effects on RNA from tobacco mosaic virus, 22:51529
- HAYASHI, Takao Device for experimenting with a capsule by the use of bellows to control the irradiation conditions, 23:9633
  - In-pile calorimetry, 24:16936
  - New method of temperature control in capsule irradiation vacuum control method, 22:22850
  - Sample capsule controlled in temperature using the thermal resistance of a vacuum, 23:29049
  - Temperature control in capsule irradiation. I, 23:40921

Temperature control in capsule irradiation. II, 24:16764
HAYASHI, Takemi Nonleptonic decay process, 22:29672
Some considerations on the weak interaction, 23:25584
Upper bounds on the neutral current with $\Delta S = 1$, 25:40948
Weak interaction and structure of Sakaton, 22:41780
HAYASHI, Takeo Automatic analysis of internal-conversion electron spectra with an electronic computer, 23:23752 (KURRI-TR-14)
Beta decay to second 2^+ excited state of ^{122}Te, 25:43947
Committee meeting on heavy-ion nuclear physics, Kyoto Univ., 2/66, 23:25940 (KURRI-TR-18)
Conference on nuclear experiments with a reactor, Kyoto Univ., Japan, 1/65, 23:37191 (KURRI-TR-10)
Deviation from the xi approximation in the beta transition of ^{122}Sb, 25:28412
Gamma rays in decay of ^{105}Cd, 23:49400
Gamma—gamma angular correlation measurements, 23:47745
Gamma—gamma angular correlations in ^{51}Ti and ^{66}Cu, 24:13323
Magnetic moments of three excited states in ^{149}Pm, 25:28381
Method for automatic analysis of gamma-ray spectra and its application to activation analysis, 25:20962
Perturbed angular correlations in ^{166}Ho, 23:49399
HAYASHI, Taro Studies on triphenylimidazolyl radicals produced by photolysis and radiolysis at low temperature, 24:29325
Triphenylimidazolyl radicals produced by photolysis and radiolysis, 24:7452
HAYASHI, Tatsuma Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
HAYASHI, Tohru Sulfur-35 uptake of gastric wall and excretion into gastric juice in rats, 25:26605
HAYASHI, Tomonao Flexible channel multiplier, 23:41170
Quadrupole field in circular concave electrodes, 22:39519
Quadrupole field in circular concave electrodes with finite thickness, 23:31580
HAYASHI, Tomonas Flexible channel multiplier, 23:41151
HAYASHI, Toshikazu Theories and their applications of electromagnetic method in liquid flow rate-measurement, 25:42184 (JAERI-13536)
HAYASHI, Toshio Effect of ionizing radiation on milk enzymes. I, 22:12772
Effect of ionizing radiation on milk enzymes. II, 22:14950
Effect of ionizing radiation on milk enzymes. III, 22:25742
HAYASHI, Tsutomu Analysis of reactor containment, 21:25744
Boiling liquid nuclear reactor having tiered, horizontally extending coolant channels, 22:10033
Flanges of a pressure vessel, 23:47674
Fuel elements, 21:15800
Jet force strength of reactor containment vessels, 25:54304
Liquid-sealing release-type (reactor) containment vessel, 22:37581
Method for controlling the output of a nuclear reactor, 22:18535
Nuclear power plant, 21:30229
Nuclear reactor, 21:23687
Pressure suppression method, employing stream space, 22:10101
Reactor containment vessel, 22:37588
Reactor pressure vessel, 22:10029
Stress analysis for drywell of reactor primary containment vessel, 23:2140
Stress analysis for reactor pressure vessel, 23:24361
Stress analysis of tapered transition joint in reactor pressure vessel, 21:26810
HAYASHI, Y. Electron microscopic study of substructure of VO_2, 24:34964
Monoclinic to tetragonal phase transition in VO_2, 24:30047
Nature of boron in α-iron, 24:32442
Planar interfaces resulting from monoclinic to tetragonal phase transition in VO_2, 24:46808
Reply to the "comments on the condition of boron in α-iron", 25:16480
Unusual dissociation of dislocations in Ni_3Ta, 25:13699
HAYASHI, Yasuhisa Neutron-activation analysis of Na in Mn Zn ferrite, 23:13680
HAYASHI, Yasuo Experimental osteogenic sarcomas induced by radioisotope ^{32}P, 25:55335
HAYASHI, Yoshibumi Tube-type atomic cell, 22:50069
HAYASHIBE, Shogo Energy levels of ^{142}Nd, 25:59821
Level structure of ^{143}Pm and ^{142}Nd, 25:36766
HAYASHIBE, Syogo Decay of ^{130}Cs, 24:20405
Decay of ^{143}Sm and ^{142}Sm, 24:28789
Decay of ^{84}Rb and ^{142}Sm, 24:20364
HAYASHIDA, Hideto X-ray measurements of neutron-irradiated LiF, 25:9565
HAYAT, M. Hematological complications occurring in patients with polycythemia vera treated with ^{32}P, 23:6599
HAYATA, Atsuko Rhodium complex with carbon dioxide, 23:28798
HAYATA, Kimihiko Mitsubishi critical facilities, 24:2042
HAYATSU, A. Mass spectrometric dual collector for precise strontium isotope abundance ratio measurements, 21:15526
Mass-spectrometric dual collector for precise strontium isotope abundance ratio measurements, 22:33278
HAYATSU, Akio Precise measurements of natural strontium isotope abundance ratios using double collection methods of mass spectrometry, 21:8447
HAYATSU, Ryoichi Origin of organic matter in early solar system. III, 25:58575
Origin of organic matter in early solar system. IV, 25:58576
HAYBITTLE, J. L. Aspects of clinical trials, 22:19385
Late effects of artificial menopause by x-radiation, 23:43896
HAYBITTLE, John Leslie Improvements in apparatus for the irradiation of biological specimens, 22:2290
HAYBRON, R. M. Double-scattering corrections to the distorted-wave impulse approximation, 25:50847
Finite-range effects in the distorted-wave impulse approximation, 21:40512
Inelastic electron and proton scattering from nuclei, 21:29902
Scattering lengths (p,p) and (n,n) from (^{3}He,d) and (t,d) reactions, 22:26790
Scattering of 100 MeV protons by ^{12}C, 23:15383
HAYCOCK, O. C. Rocket-borne measurements of auroral light and associated electron densities, 21:39935
HAYCOCK, Ralph H. Rocket instrumentation for auroral measurements: Aerobee 3.615, 23:44232 (AD-681464)
HAYCOCK, T. J. Jr. Experience with a Nuclear Materials Information System, 25:37559 (A/CONF.49/P-101)
HAYCRAFT, Thomas James Langmuir probe diagnostics of fluctuation in a reflex arc nitrogen plasma, 24:28235 (AD-701669)
HAYDEN, George Allen The effect of gamma irradiation on enzymes and polypeptides, 21:28408
HAYDEN, H. C. Analysis of the N^+—Ar and O^+—Kr collisions, 25:11711
Promotion of L-shell electrons to higher bound states in Ar^+—Ar collisions, 25:35856
Q values for N^+—Ar and O^+—Kr collisions, 24:21578
HAYDEN, Howard C. Charge-transfer processes involving H_2^+ and D_2^+ between 70 and 1000 eV, 22:38755
Q structure and inner-shell vacancies in neon—neon and krypton—krypton collisions, 22:38744
HAYDEN, Howard Corwin Jr. Charge transfer cross section for H_2^+ processes in H_2, D_2, and Ar, and for D_2^+ in H_2, 22:29251
HAYDEN, J. A. Determination of ceric oxide in lead by x-ray fluorescence, 22:1963 (RFP-990)
Determination of uranium in electro-refined plutonium by a combined ion-exchange and x-ray fluorescence technique, 21:38921
HAYDEN, K. D. Decontamination of the plutonium recycle test reactor, 22:22816 (HW-75557(Rev.)(Del.))
Survey of hydraulic modeling experience for reactor core systems, 22:37406 (BNWL-518(Del.))
Washout testing of mixed oxide ceramic core fuel elements, 21:1925 (BNWL-295)
HAYDEN, Owen Thermal insulation structures and fast reactor having such insulation, 24:16184
HAYDON, George W. Predicting ionospheric electron density profiles, 22:13329
HAYDON, S. C. Highly time resolved studies of transient electrical discharges, 25:33249
Non-equilibrium ionization growth in molecular hydrogen, 21:7282
Transport and ionization properties of molecular gases in a transverse magnetic field, 21:2051
HAYDT, H. M. Present status of fuel element technology at Instituto de Energia Atomica, Sao Paulo, Brazil, 25:52422 (A/CONF.49/P-197)
Sintering of uranium dioxide, 25:42950
HAYDT, Heliton M. Characteristics of thin fuel plates containing Al—U_3O_8 dispersions, 22:28895
Experimental production of metallic U and Th, 22:19501
Fuel elements for Re—SuCo (oxide subcritical reactor), 22:49807
Production of pellets of ThO_2 and ThO_2—UO_2, 22:49808
HAYDT, Heliton Motta Development of flat-plate fuel elements, 25:641
Fabrication of Al clad fuel elements, 24:8074
High density UO_2 pellets, 23:48515
High-density UO_2 pellets, 23:16516
Properties and structure of thoria-base dispersions, 23:46113
HAYE, C. Action of ionizing radiations on the eye, 25:8609
Cataract due to whole body irradiation, 25:21915
Effect of irradiation dose on the latent period of rabbit cataracts, 23:22392 (CEA-CONF-1173)
Experimental effects of gamma irradiation of the anterior segment in rabbits, 21:28652
Influence of irradiation dose on latency time of cataracts in rabbits, 25:27027
Irradiation dose and latency time associated with cataracts in rabbits, 25:21862
RBE of 3-GeV proton beams in producing cataracts in rabbits, 25:49283 (CEA-CONF-1782)
Relative biological effectiveness as a function of linear energy transfer for cataract criterion in the rabbit, 25:55317 (CEA-CONF-1744)
Relative biological effectiveness of 14-MeV neutrons, 24:25559 (CEA-CONF-1481)
HAYEK, K. Interaction of oxygen, carbon monoxide, and nitrogen with (001) and (110) faces of molybdenum, 22:32063
Surface bombardment damage by LEED, 22:15227
HAYEK, M. High level NOR spectrometer, 21:45479
HAYEM, M. Pituitary ^{90}Y implantations in advanced breast cancer, 24:7973
HAYEN, Juergen Radiation damage in anthracene and plastic scintillator by irradiation with electrons between 4 and 10 keV, 22:16967
HAYES, Arthur F. New forging techniques for beryllium, 23:27013
HAYES, C. F. Generalized field quantization procedure, 22:29749
Quantization of generalized mechanics, 23:8706
Quantization of Lagrangians for charges in external field, 25:14776
Variational approach to multiple scattering, 23:3849
HAYES, D. Effective temperatures of A and B stars, 22:36633
HAYES, D. J. Leak detection in sodium heated boilers, 25:57632
Observations on particulates in a sodium loop, 25:58170 (RD/B/N-1998)
Performance and applications of an electromagnetic rotary-flow device in liquid sodium, 25:51678
HAYES, D. S. Absolute spectrophotometric calibration of the energy distribution of twelve standard stars, 24:12508
HAYES, D. W. Determination of density and water content of marine sediment in an unextruded core using fast neutron and gamma ray attenuation, 25:23883
PRTR containment vessel leak rate test experience, 21:44933 (BNWL-504)
HAYES, Daniel P. D-region nitric oxide density profile by VLF radio propagation, 21:39864 (AD-650873)
Simultaneous airglow and radio observations of lower ionosphere, 24:32717 (AD-698348)
HAYES, David John Improvements in testing for leaks, 21:32341
HAYES, David Wayne Distribution of lanthanide elements using neutron-activation analysis, 24:13779
HAYES, Donald Harvey Distribution of thiamine—^{14}C in the rat, 23:2769
HAYES, Donald Scott Energy distribution of twelve spectrophotometric standard stars, 22:34207
HAYES, E. R. Optical system for precision spark chamber spectrometer, 23:43596
HAYES, Edward F. Close-coupling studies of rotational excitation in H—H_2 collisions, 25:52641
Nonempirical LCAO—MO—SCF study of energy surface for linear HeH_2^+, 25:52618
Noniterative solutions of integral equations for scattering. V, 25:14017
Single-center expansions with Slater-type orbitals: H atom and H molecular ion, 21:31216
HAYES, Everett G. Development of a laboratory leak tester, 24:24974 (SC-DR-69-367-A)
Development of a volume measuring device, 25:54380 (SC-DR-710183)
Development of an electric manometer tester, 25:60286 (SC-DR-710418)
HAYES, F. Newton Liquid scintillators. XIV, 23:2600
HAYES, Gene L. Prog. rpt. on nutritional shelter ration, final, 3/26/64—3/31/66, 21:8783 (AD-632351)
HAYES, J. D. Entropy of the mixed state of some low-kappa type-II superconductors, 23:42197
HAYES, J. D. Jr. Optical properties of vacuum-evaporated films of tellurium and amorphous selenium, 22:9424 (ORNL-TM-2023)
HAYES, J. E. Engineering design and analysis of a beryllia-moderated pebble bed reactor, 22:22716
Pressure vessel for a high-temperature gas-cooled reactor, 23:11207
Study of nuclear fuel cycle strategies for Australia, 25:34382 (CONF-701123-, Paper 8)
HAYES, J. G. Numerical approximation to functions and data, 24:35899
HAYES, J. M. Indigenous lunar methane and ethane, 24:25947
HAYES, J. R. Central nervous system effects of laser radiation, 22:8633
Effects of laser radiation on intracranial structures, 21:16457
HAYES, J. T. Microcage for radioassay of live insects, 23:35366
HAYES, James E. Interstellar reddening in field of Cyg X-2, 22:17259
Photoelectric observations of 4 Canum Venaticorum, 22:49911
HAYES, Janet V. Experimental data on dispersion and deposition of timothy and corn pollen from known sources, 25:31684 (BNL-50266)
Experimental data on ragweed pollen dispersion and deposition from point and area sources, 24:41078 (BNL-50224)
HAYES, John K. Computer programs to solve Laplace's equation in inhomogeneous media, 24:38668 (LA-4423)
HAYES, John Knox LAPLACE FORTRAN code, 23:6049 (LA-4004)
HAYES, John N. Photoinduced beta decay of protons and neutrons in stellar interiors, 25:45167 (AD-718320)
HAYES, John P. Content addressable memory with applications to machine translation, 22:14370 (COO-1018-1114)
HAYES, Jude Laser injury in skin, 22:567
HAYES, Jude R. Cellular effects of laser radiation, 22:51965
Cranial and vascular studies of the effects of pulsed and continuous wave laser radiation, 22:8631
Effects of laser irradiation on central nervous system. II, 22:47595
Effects of laser irradiation on the central nervous system. I, 21:39507
Lasers and their neurosurgical application, 21:8881
Recent developments in biologic effects of laser radiation, 21:8939
Thermal model for retinal damage induced by pulsed lasers, 22:28698
HAYES, Judith M. Behavior of erythropoietin-sensitive cells, 22:31002
Studies on behavior of erythropoietin-sensitive cells in the mouse during recovery from 200 R whole-body irradiation, 23:7935 (UCRL-18066, pp 15-22)
HAYES, Lawrence L. Recovery of immunocompetence of bone marrow and spleen, 24:17006
Thymus-marrow immunocompetence. IV, 23:14136
HAYES, M. Comparison of gamma-ray imaging devices, 23:33434
Contamination encountered in personnel operating a cyclotron, 23:24627
HAYES, M. Cordey Magnetic susceptibilities and ^{119}Sn isomer shifts of some Pd—Sn alloys, 21:13635
HAYES, Michael Comparison of gamma ray imaging devices with a new three dimensional phantom, 22:37997 (UCLA-12-689)

  Is field size enlargement with divergent and pinhole collimators acceptable, 24:32089
  Preliminary imaging studies with a large crystal scintillation camera, 25:21754
  Radioaerosol inhalation lung scanning: its role in suspected pulmonary embolism, 25:49242
  Rapid sequential renal scanning, 23:10032
  Recent advances in kidney scanning, 22:518 (UCLA-12-655)
  Recent advances in kidney scanning, 22:45633
HAYES, Michael William Formation of polymer coatings on substrates, 24:9353
HAYES, P. Effect of fast-neutron irradiation on optical attenuation in compound semiconductors, 22:13570
HAYES, R. Fast neutron scattering from elemental Mo, Sn, Sb, and Te, 21:10048
  Fast-neutron scattering from elemental Mo, Sn, Sb, and Te, 21:17342 (ANL-7274)
  Fast-neutron scattering from Ta, Re, and Pt, 22:5810 (ANL-7363)
HAYES, R. L. ^{67}Ga localization in lysosomal-like granules of leukemic and nonleukemic murine tissues, 25:39796
  Computer interfacing of densitometer film reader for measuring size of radioactive colloid particles, 24:25333
  Counting characteristics of a medium-level whole-body counter, 23:38248 (ORAU-108)
  Distribution of Ga and In in rats, 23:35595 (ORAU-107, pp 130-3)
  Experimental animal studies with ^{67}Ga, 23:35594 (ORAU-107, pp 125-9)
  Gallium-67 localization in rat and mouse tumors, 24:14408
  Gallium-67 localization in tumor tissues, 24:32059 (ORNL-4558, pp 48)
  Localization of ^{67}Ga in tissues of leukemic mice, 24:23095
  Rapid separation of generator-produced ^{68}Ga from EDTA eluate, 25:18482
  Rare earths as bone-scanning agents, 23:35596 (ORAU-107, pp 133-5)
  Tumor scanning with ^{67}Ga, 23:35788 (ORAU-107, pp 119-25)
  Tumor scanning with ^{67}Ga citrate, 24:9902
HAYES, R. W. Improvement, management, and control of building services function, 22:6238 (Y-IA-50)
HAYES, Raymond L. Binding of gallium by blood serum, 24:2559
  Bone-marrow scanning with radioactive colloids, 21:45669 (ORAU-101, pp 96-9)
  Conference on radioisotopes in medicine: in vitro studies, Oak Ridge, Tenn., 11/67, 23:11943 (CONF-671111)
  Dose to various segments of the gastrointestinal tract, 24:50888 (CONF-691212-, pp 295-314)
  Hydrous ferric oxide colloid labeled with ^{68}Ga, 21:45663 (ORAU-101, pp 78-81)
  Rhenium-188 as a possible diagnostic agent, 21:45664 (ORAU-101, pp 74-7)
  Skeletal scanning with ^{68}Ga citrate, 21:45670 (ORAU-101, pp 100-2)
  Studies with /sup 113m/In, 21:45665 (ORAU-101, pp 81-2)
  Techniques to provide sterile radiopharmaceuticals from long-lived generators, 21:45666 (ORAU-101, pp 83-6)
HAYES, Robert G. Nonadiabatic effects in the internal rotation of $.CH_2COO^-$ in irradiated Zn acetate dihydrate, 25:6349
HAYES, S. Branching ratio for decay of phi mesons into lepton pairs, 25:59310
  Decay into muon pairs of photoproduced phi mesons, 24:40235
  Photoproduction of muon pairs at 7 to 9 GeV, 23:30695
  Photoproduction of muon pairs, 24:51898
  Search for new vector bosons and a test of quantum electrodynamics, 24:32959
HAYES, Sethanne Studies of extragalactic nebulae. III, 21:46048
HAYES, Thomas L. Role of capillaries in the pathogenesis of delayed radionecrosis of brain, 21:45814
  Role of capillaries in the pathogenesis of delayed radionecrosis of brain, 22:23598 (UCRL-17481, pp 154-70)
HAYES, Thomas P. Brain and liver scans in the evaluation of lung cancer patients, 25:19047
HAYES, W. Effects of uniaxial stress and electric fields on localized vibrational modes of H^- and D^- ions in CaF_2, 21:19617
  Effects of x rays on undoped and hydrogen-doped alkaline earth fluorides, 23:21007
  Electron nuclear double resonance of the F centre in CaF_2, 22:1324
  Faraday rotation of F centers in alkaline earth fluorides, 21:42184
  Magneto-optical properties of Cd^+ in x-irradiated alkali halides, 25:56320
  Magneto-optical properties of F centers in alkaline earth fluorides, 23:21006
  Paramagnetic resonance and electron nuclear double resonance of substitutional hydrogen atoms in CaF_2, 21:19674
  Point defects in alkaline earth fluorides, 25:1286
  Self-trapped hole and the self-trapped exciton in alkaline earth fluorides, 23:42459
  Ultraviolet induction of chromosome transfer in E. coli, 23:38548
  X-irradiated KCl:H and NaCl:H, 21:1391
HAYES, W. J. Oxidation of hcp zirconium in the electron microscope, 23:12278
HAYES, W. L. State-of-the-art literature survey of thoria-dispersed NiCr for space shuttle thermal protection systems, 25:55399 (N-71-27008)
HAYES, W. N. Jr. High-temperature irradiation and post-irradiation analysis of uranium nitride fuel, 24:6286 (UCRL-50727)
  Irradiation studies of uranium nitride, 23:51147 (UCRL-71703)
  Post-irradiation microanalysis, 23:47370 (UCRL-71704)
HAYES, Wallace D. Propagation upward of the shock wave from a strong explosion in the atmosphere, 23:13892
  Self-similar strong shocks in an exponential medium, 23:13891
HAYES, Walter C. Making satellite structures from Be—Lockalloy, 21:14837
HAYESS, E. Neutral gas temperature in argon medium pressure discharge, 22:29504
HAYESS, Erhard Similarity relations for discharge columns in rare gases at average pressures, 21:27166
  Sound pulses in low pressure plasmas. I, 21:27167
  Sound pulses in low-pressure plasma. II, 22:17669
  Sound pulses in low-pressure plasma. III, 22:29514
HAYET, L. Fontenay-aux-Roses radiometallurgy laboratory, 22:4403
  Preparation of samples by micro-machining, 24:46812 (CEA-CONF-1564)
  Work of radiometallurgy laboratory at Fontenay-aux-Roses, 24:20934 (CEA-CONF-1422)
HAYET, Lucien Irradiation behavior of mixed U—Pu carbides, nitrides, and carbonitrides, 21:34973 (CEA-R-3223)
  Irradiation of mixed UO_2—PuO_2 oxide fuel elements, 21:9248 (CEA-R-3066)
  Irradiation of mixed UO_2—PuO_2 oxide samples for fast neutron reactor fuel elements, 24:4855 (CEA-R-3878)
  Irradiation results of mixed UO_2—PuO_2 test pieces, 24:23537 (EURFNR-707)
  Radiography of highly active irradiated fuels, 24:27304 (LA-4366-TR)
  Results of irradiation of mixed UO_2—PuO_2 oxide fuel elements, 21:19392 (EURFNR-209-F)
HAYFIELD, Peter Charles Steele A method of manufacturing fuel elements, 22:42572
  Fuel elements, 21:23775
  Method of manufacturing fuel elements, 21:30310
HAYFORD, Anne Heaney Lactate dehydrogenases in tissues of hamsters,, 23:24522
HAYGOOD, J. D. Classical model for gas—surface interaction, 25:43104
HAYHOE, F. G. J. Changes in proliferative activity of marrow leukemic cells during and after extracorporeal irradiation of blood, 25:42690
  Effect of extra-corporeal irradiation of the blood on bone marrow activity in acute leukemia, 23:31871
  Extracorporeal irradiation for acute leukemia, 24:812
  Treatment of acute leukemia, 21:6578
HAYLES, Alvin B. Clinical utility of radioimmunoassays for serum follicle-stimulating hormone (FSH) and luteinizing hormone (LH), 24:50781
HAYLI, A. Galactic orbits and integrals of motion for high-velocity stars. I, 25:47303
  More comparisons of numerical integrations in the gravitational N-body problem, 24:44848
  N-body gravitational problem and the simulation of galactic clusters, 21:43696 (NASA-SP-153, pp 315-21)
  Numerical experiments on the escape from non isolated clusters, 24:44864
HAYMAKER, Richard W. Allowed domains in theories of broken chiral symmetry, 25:53246
  Application of analyticity properties to numerical solution of Bethe—Salpeter equation, 22:15867
  Elementary-particle poles in Bethe—Salpeter equation, 23:36921
  Failure of the perturbation expansion about the SU(3) x SU(3) limit, 25:50165
  Jost-function description for Bethe—Salpeter equation, 24:13145
  Linearly rising trajectories in an infinite-component field theory, 24:45582
  Phase shifts from the Bethe—Salpeter differential equation, 21:29642
  Regge trajectories for two Yukawa potentials, 21:44375
  Stationary expectation values and slopes of daughter Regge trajectories for the Bethe—Salpeter equation, 22:46548
  Variational principles for crossing-symmetric off-shell equations, 22:44510
HAYMAKER, Richard Webb Application of analyticity properties to numerical solution of the Schroedinger and Bethe-Salpeter equations, 21:40284 (UCRL-17652)
HAYMAKER, W. Brain study in ballon-borne monkeys exposed to cosmic rays, 24:46662
  Glycogen accumulation in monkey and cat brain exposed to proton radiation, 21:43344
  Uses of ionizing radiation in experimental neuropathology, 22:40863
HAYMAKER, Webb Delayed radiation effects in brains of monkeys exposed to x and γ rays, 22:51932
  Delayed radionecrosis of the brain in monkeys, 23:45909
  Effects of acute exposure to high-energy protons on primates, 22:12926
  Effects of radiation on the hypothalamus in monkeys, 22:49497
  Hepatic lesions produced by 32 and 55 MeV proton irradiation, 21:22702
HAYMAN, C. Halogen combustion calorimetry of refractory compounds, 22:4115
  Silicide coatings for Mo—0.5 percent Ti alloy, 23:41544
HAYMAN, P. J. Attempt to identify the physical mechanism of radiation damage, 21:42515
  Liverpool polarized proton target, 21:42514
HAYMANN, P. Condensation of an atomic beam of gold on a monocrystalline surface, 22:19777
  Decoration figures due to oxide precipitates obtained by ionic bombardment, 23:12962 (UCRL-Trans-10313)
  Study of the attack of low-energy argon ions on a single crystal of silver, 23:12961 (UCRL-Trans-10312)
HAYMANN, Pierre Action of argon ion beams on metal surfaces, 23:12963 (UCRL-Trans-10314)
HAYMES, R. C. Detection of gamma radiation from Cygnus region, 22:19697
  Detection of hard x radiation from Virgo, 22:19696
  High-energy x rays from Crab Nebula, 21:33027 (N-66-23752)
  Low-energy gamma radiation from Cygnus, 24:19640
  Low-energy gamma radiation in the atmosphere at midlatitudes, 24:5021
  Measurement of gamma-ray spectra of celestial large-energy sources, 25:45211 (AD-719864)
  Observation of gamma radiation from Crab Nebula, 22:13191
  Observation of hard radiation from the region of the galactic center, 23:48639
  Observation of pulsed hard x radiation from NP 0532 from 1967 data, 23:34193
  Period and hard-x-ray spectrum of NP 0532 in 1967, 23:51248
  Search for gamma radiation from Centaurus A, 23:14498
  Search for gamma radiation from Centaurus A, 23:44124 (AD-683358)
  Upper limits to hard x-ray fluxes from Mars, Venus, and Jupiter, 22:15292
  Vector measurement of the midlatitude Sq ionospheric current system, 22:17476
HAYMES, Robert C. Gamma radiation from celestial sources, 22:41156
  Lunar neutron albedo experiment, 23:27326 (N-69-19320)
  Prog. rpt., final, 2/1/65—1/31/67, 21:41695 (AD-647420)
  Radioactivity of some unusual celestial energy sources, 23:36539 (AD-686795)
HAYN, Carl H. Mass attenuation coefficients for plastic Pilot-B scintillator, 25:42064
HAYNE, Don W. Implications of radioecology for other research, 23:17965 (CONF-670503-, pp 32-8)
HAYNE, G. S. Determination of g-factor ratios for free ^{85}Rb and ^{87}Rb atoms, 23:1165
  Measurements of g/sub J/ ratios for ^{85}Rb, ^{87}Rb, H, and deuterium, and of the hyperfine separation of deuterium, 22:38784
HAYNER, C. T. Data processing applications to a large dual-purpose reactor, 21:40692
HAYNER, G. O. Determination of the compressive properties of irradiated nuclear fuel plates, 24:7182
HAYNES, B. J. Determination of gallium in molybdo- and tungstogallates via EDTA titration, 22:2006
HAYNES, C. E. Transuranium element health physics and safety at ORNL, 25:37817 (EUR-4612, pp 291-325)
HAYNES, C. F. Asymmetry in inelastic scattering of 15.7-MeV polarized protons from ^{63}Cu and ^{65}Cu, 25:53719
HAYNES, C. Vance Bone organic matter and radiocarbon dating, 22:6456
HAYNES, D. S. Line shape calculation for nuclear scattering from gaseous targets, 25:9924
  Reaction ^{20}Ne(h,h$_{0,1,2}$)^{20}Ne at 17.83 MeV, 25:45975
HAYNES, Gilbert A. Effect of radiation on cerium-doped solar-cell cover glass, 25:43008 (N-71-12278)
  Effects of proton and electron radiation on B and Al-doped Si solar cells, 22:38187 (N-68-19924)
HAYNES, J. G. Startup and operation of the San Onofre Nuclear Generating Station Unit One, 25:18071
HAYNES, J. W. Determination of ^{44}Ti in bremsstrahlung irradiated Ti foils, 24:9243 (AERE-R-6203)
HAYNES, R. Dependence of isotope separation factor of the H-evolution reaction upon potential, 25:54721
HAYNES, R. F. Observations of 11 radio sources, 22:47733
  Observations of 31 radio sources between 40 and 130 MHz, 22:15295
  Observations of the southern sky at 10.02 MHz, 23:6822
  Source flux densities at 153 MHz, 22:7077
HAYNES, R. H. Genetic implications of DNA repair, 23:35653
  Repair of alkylation and radiation damage in yeast, 25:4480
  Repair-induced changes in yeast radiosensitivity, 22:31292
  Supersensitive double mutants in yeast, 24:50819
  Uv sensitivity of E. coli, 23:24592
HAYNES, R. M. Ion—molecule reactions in the xenon-sensitized ionization of ethylene, 21:41791
  Mass-spectrometric study of ions at near-atmospheric pressure. III, 21:3099
  Mass-spectrometric study of ions in Xe, Kr, Ar, Ne at pressures up to 40 torr, 21:41790
HAYNES, Raymond L. Scanning malignant neoplasms with ^{67}Ga, 24:34520
HAYNES, Robert H. Conference on radiation microbiology, Chicago, 10/65, 21:24367
  Interpretation of microbial inactivation and recovery phenomena, 21:13073 (UCRL-16898, pp 97-116)
  Interpretation of microbial inactivation and recovery phenomena, 21:24368
  Sensitivity of Micrococcus radiodurans to densely ionizing radiations, 22:23683 (UCRL-17481, pp 138-44)
  Uv-induced enhancement of recombination among lambda bacteriophages in uv-sensitive host bacteria, 22:19311
HAYNES, S. K. Auger-vacancy satellites in the decay of $_{82}^{210}$Pb (RaD), 21:4283
  N-shell conversion electrons from 2.33-keV transition in ^{205}Pb, 25:36780
  Post-focusing accelerator for $\pi\sqrt{2}$ spectrometer, 22:10587
HAYNES, Sherwood K. L- and K-Auger spectra of ^{113}In from ^{113}Sn, 22:2809
HAYNES, V. O. Characterization of Army PM-1 type reactor fuel elements, 21:10194 (ORNL-TM-1676)
  Inspection of Eu-bearing control rods from Army SM-1A, 23:13567 (ORNL-TM-2349)
  Postirradiation examination of fuel elements from Army SM-1A reactor, 24:42286 (ORNL-TM-2967)
  Postirradiation examination of fuel element S-83 Core II of the Army SM-1 stationary medium power reactor, 24:50122 (ORNL-TM-3081)

Postirradiation nondestructive examination of silver—cadmium—indium control rod, 23:34027 (ORNL-TM-2506)
Postirradiation nondestructive examination of SM-2B fuel element, 24:9613 (ORNL-TM-2673)
Preirradiation data for fuel specimens for Army PM fuel experiment, 21:30233 (ORNL-TM-1783)
HAYNIE, Gordon Study of trace metals in fingernails and hair using neutron activation analysis, 25:8229
HAYNIE, Thomas P. Clinical application of lung scans, 23:18064
Liver scintigrams compared with alkaline phosphatase and BSP determinations in the detection of metastatic carcinoma, 25:37839
Localization of radiochlormerodrin in mouse brain tumor, 25:16236
Lung scans following inhalation of nebulized radionuclides, 23:43821
Pancreas, 23:50735
Radionuclide imaging in detection of cancer, 21:26476
HAYNS, M. R. Wave functions for HeH$^+$, 24:23756
HAYODOM, V. Radiation effects on cobra venom, 24:50729
Radiation monitoring, 23:48064
Standard neutron irradiation facility experience in Thailand, 25:27062 (IAEA-R-459)
HAYODOM, Vichai Experiences in neutron dosimetry, 23:29232 (THAI.-AEC-23)
Long-lived radioactivity in air in Thailand, 22:25539
Radiation effects on cobra venom, 22:43204 (CONF-680517-1)
HAYON, E. Absorption spectra and kinetics of the intermediate produced from the decay of azide radicals, 25:10643
Optical-absorption spectra of ketyl radicals and radical anions of some pyrimidines, 24:9364
Primary radicals yields in the radiation chemistry of water and aqueous solutions, 23:35153
Pulse radiolysis of aliphatic acids in aqueous solutions. II, 24:7431
Pulse radiolysis of aliphatic acids in aqueous solutions. I, 24:7457
Pulse radiolysis of aliphatic acids in aqueous solution. III, 24:19016
Pulse radiolysis of liquid amides, 25:44397
Pulse radiolysis of phosphate anions $H_2PO_4^-$, HPO_4^{2-}, PO_4^{3-}, and $P_2O_7^{4-}$ in aqueous solutions, 24:41360
Pulse radiolysis study of alcohols in aqueous solution, 24:5691
Pulse-radiolysis and flash-photolysis study of aqueous solutions of simple pyrimidines, 23:280
Selectivity in reactions of e/sub aq/$^-$ and OH radicals with simple peptides in aqueous solution. Optical absorption spectra of intermediates, 24:44036
Sites of attack of hydroxyl radicals on amides in aqueous solution, 24:36310
Spectroscopic investigation of cyclohexanol and cyclohexyl radicals and their corresponding peroxy radicals, 25:39544
Yield of ions and excited states in radiolysis of polar organic liquids, 25:160
HAYOT, F. High-energy behavior of electron—positron annihilation cross-section, 23:44626
Symmetric description of nucleon and Roper resonance in field theory, 22:15799
What causes dips in backward pion—nucleon scattering, 25:33746
HAYOT, Fernand Regge pole and absorptive cut models in meson baryon backward scattering, 25:25423
HAYOUN, Charles Installation for producing sealed radioactive sources, 23:33290 (CEA-R-3622)
HAYS, D. Photon absorption in superconducting zinc, 23:42193
HAYS, D. A. Microwave-absorption determination of the anisotropic energy gap in superconducting zinc, 24:32800
Model of the anisotropic energy gap in superconducting zinc, 24:32796
HAYS, D. D. Elevated temperature hardness testing of plutonium—gallium alloys, 22:21685 (BNWL-682)
Microhardness of plutonium—gallium alloys, 21:9144 (RFP-658, pp 160-7)
Microhardness of plutonium—gallium alloys, 21:26817
Yield surface of a U—7.5 wt percent Nb—2.5 wt percent Zr alloy (Mulberry), 23:43961 (BNWL-1112)
HAYS, Esther F. Effect of grafts of thymus on thymectomized irradiated mice, 23:33840
Increased incidence of lymphoma in C3H/HeJ adult mice injected with gross virus and antithymocytic serum, 24:22564 (UCLA-12-769)
HAYS, James E. Response of Uracil-2-^{14}C to x-irradiation under N and O and to treatment with ascorbic acid, 22:14530
HAYS, L. G. Analysis of a multistage liquid metal magnetohydrodynamic power conversion cycle, 23:30383 (N-69-21376)
Corrosion of Nb—1 percent Zr alloy and yttria by Li at high-flow velocities, 22:38514 (N-68-11617)
HAYS, Marguerite T. Mathematical and physiological model for early distribution of radioiodide in man, 21:24337
HAYS, Michael Radiation-induced delayed union of fractures, 24:2777
HAYS, P. B. Atmospheric properties from the inversion of planetary occultation data, 23:1154
Calculated [O I] 6300 A nightglow Doppler temperatures for solar cycle minimum, 22:52629
Comparison of calculated and observed features of a stable midlatitude red arc, 24:45098
Comparison of radar and optical temperature measurements in the F region, 24:47122
Direct observations of thermospheric winds during geomagnetic storms, 25:47403
Doppler profiles of the 5577 A airglow, 21:5201
Measurements of 6300 A Doppler temperature during magnetic storm, 23:42066
Observations of mid-latitude stable auroral red arc, 24:30231
Stable mid-latitude red arcs: observations and theory, 25:30398
HAYS, W. W. A contribution to the analysis of seismic data from cratering and contained events. Schooner Event, 24:36443 (PNE-522)
Amplitude and frequency characteristics of elastic wave types generated by underground nuclear explosions, 24:7535 (NVO-1163-181)
Analysis of ground motions and close-in physical effects, Gasbuggy Event, 24:11712 (PNE-1010)
Analysis of ground motions and close-in physical effects, Rulison Event, 24:27254 (NVO-1163-206)
Elastic wave types generated by the underground nuclear detonation, Boxcar, 24:20918
Identification of elastic wave types on seismograms from underground nuclear explosions, 24:22802 (NVO-1163-157)
Predictions of seismic motion and close-in effects: Rulsion event, 23:49976 (NVO-1163-180)
Seismic response characteristics at NRDS from underground nuclear detonations, 25:10730 (NVO-1163-TM-22)
HAYS, Walter W. Application of non-stationary processes to generate synthetic seismograms, 23:16181 (NVO-1163-156)
Models for generating synthetic seismograms, 24:46379 (NVO-1163-217)
Rulison ground motions recorded at the TOSCO Mine and Tower Stations, 25:54813 (PNE-R-51)
HAYS, William Joseph Scattering of Ar beams with incident energies up to 20 eV from a (111) Ag surface, 24:44973 (UCLA-ENG-7061)
HAYT, David B. Comparative study of the gamma camera and rectilinear scanner, 21:43475
Diagnosis of hepatic hemangioma, 24:25533
Grid choice in high-kilovoltage 70-mm spot-filming, 23:45821
Radioactive scan imaging, 23:45518
HAYTER, C. J. Measurement of plasma digoxin concentration by radioimmunoassay, 25:2522
Preparation of /sup 113m/In- and /sup 99m/Tc-labelled albumin macroaggregates, 25:21531
Provision of anatomical markers for gamma camera pictures, 23:11809
HAYTER, D. M. NPD operation, 4/69—4/70, 25:54171 (70-CNA-616)
HAYTER, J. W. Adjustable and demountable Langmuir probe, 25:46654
HAYTINK, B. Deposition of fission energy in an ORGEL-type reactor, 23:21463 (EUR-4208)
Orgel prototype preliminary design: reactivity coefficients, 25:44100 (EUR-4365)
Orgel prototype preliminary design: fine flux distributions in the fuel element, 25:44099 (EUR-4364)
Thorium and ORGEL concept, 22:24937 (CONF-660524-, pp 119-28)
HAYTON, B. Dichlorodihydroxyuranium(IV) and bis(triphenylphosphonium) tetrachlorodihydroxyuranate(IV), 24:29242
Preparation and properties of some complex compounds of uranium halides, 22:40063
HAYWARD, B. R. Analytical chemistry program for LMFBR/FFTF fuels, 24:5589
Application of image enhancement to FFTF fuel technology, 24:31631 (BNWL-1321)
FFTF driver fuel development irradiations, 23:4325
FFTF fuel development program, 22:30299 (BNWL-SA-1750)
FFTF fuel suppliers' meeting, Richland, Washington, 8/67, 22:603 (BNWL-SA-1388)
FFTF Pu fuel development, 21:46940 (BNWL-SA-1434)
High heat flux heater development preliminary performance tests, 21:12144 (NAA-SR-12242)
HAYWARD, C. C. Activation analysis applied to non-aqueous flowing system, 25:54524
Fast neutron activation analysis of trace levels of lead in a non-aqueous flowing system, 25:37328
HAYWARD, Evans Isospin of the ^{11}B giant resonance, 25:5554
Photonuclear reactions, 25:3715 (NBS-MON-118)
Scattering of plane—polarized photons by the giant resonances of nuclei, 22:14108
HAYWARD, James R. The management of teeth related to the treatment of oral cancer, 23:48239
HAYWARD, R. J. Harwell 80 keV heavy ion accelerator, 25:44540 (BMBW-FBK-70-28, pp 591-5)
HAYWARD, R. S. RNA thiolase: enzymatic transfer of sulfur from cysteine to sRNA in E. coli extracts, 21:22229 (ACRH-26, pp 85-94)
HAYWARD, Robert R. Frequency of spectroscopic binaries in NGC 6475, 24:19578
HAYWARD, T. D. Inelastic alpha-particle scattering on ^{12}C, 24:38114
Substate populations and nuclear polarization produced by inelastic α particle scattering on ^{12}C, 24:1747 (RLO-1388-100)
HAYWARD, Thomas Doyle Nuclear polarization and substate populations of first excited state in ^{12}C, 24:1746 (RLO-1388-98)
HAYWARD, W. H. Ion gage for vacuum pressure measurements below 1×10^{-10} Torr, 21:4682
Sputtering yield measurements with low-energy metal ion beams, 23:42430
HAYWOOD, B. C. Atomic vibrations in carbon fibers, 23:27185 (AERE-R-6000)
Harwell scattering law program: frequency distributions of moderators, 22:48411 (AERE-R-5778)
Molecular motions in liquid and solid hydrogen and deuterium, 21:20786
Scattering laws for heavy water at 540°K and light water at 550°K, 22:30378
Spectral density of hydrogen in water, 21:33180
Vibration spectra of hydrogen bonds by neutron energy-loss spectrometry, 24:27083
HAYWOOD, C. A. Multiple electron scattering in gases, 24:32650
HAYWOOD, F. F. Energy and angular distribution of neutrons and γ rays: Operation Bren, 21:20164 (CEX-62.12)
High yield, long-lived tritium targets, 25:50472
HPRR and accelerator operations, 24:39370 (ORNL-4446, pp 271-7)
HPRR and accelerator operations, 25:20134 (ORNL-4584, pp 187-97)
Radiation safety practices: Operation HENRE, 25:18982 (CEX-65.05)
HAYWOOD, Fred F. Radiation safety in the operation of a low-energy accelerator, 25:3475 (CONF-700322-, pp 441-8)
RBE of fast neutrons in growth inhibition: evidence for a component requiring cell division, 25:8801
HAYWOOD, L. R. CANDU nuclear power system: competitive for foreseeable future, 25:54124 (A/CONF.49/P-151)
CANDU reactors in 1980, 23:13423
Closing the credibility gap in nuclear fuel costs, 25:20731 (AECL-3780)
Costs and economics of heavy water moderated nuclear plants, 22:3811 (AECL-2946)
Costs and economics of heavy-water-moderated nuclear plants, 22:30250
Evolution of nuclear power in Canada, 21:30085 (AECL-2886)
Evolution of nuclear power in Canada, 22:6030
Fuel for Canadian power reactors, 25:53888 (A/CONF.49/P-156)
Future of nuclear business in Canada, 23:45091 (AECL-3367)
Role of AECL laboratories, 22:42151 (AECL-3067, pp 35-43)
Role of AECL laboratories, 22:44967
Status of heavy water moderated reactors, 24:22253 (AECL-3558)
Status of heavy water moderated reactor, 25:60019
Trends in atomic power costs, 21:13942 (AECL-2534(Rev.))
HAYWOOD, R. C. JOSHUA terminal system, 25:34421 (TID-25691)
JOSHUA terminal system, 25:57145 (CONF-710302-(Vol.1), pp 508-15)
HAYWOOD, R. W. Analysis of engineering cycles, 21:28166
HAYWORTH, B. Prog. rpt. on coaxial gun for plasma propulsion, final, 5/15/62, 21:2226 (N-66-22244)
HAYWORTH, Bruce R. Development of a 40-kV energy storage capacitor, 21:3342 (UCRL-13209)
HAZAMA, Kazuo Adaptability of mutant in mulberry tree, 25:4486
Histological and histochemical studies on radiation injury induced in mulberry tree. I, 23:12013
Histological and histochemical studies on radiation injury induced in mulberry tree. I, 23:38454 (NSJ-tr-145)
Induced mutations and plant breeding methods in vegetatively propagated species, 23:26730
HAZAMA, Michio Correspondence between ECC γ-ray and spark chamber shower, 25:2487
HAZARD, C. Accurate radio and optical positions of 3C 273B, 25:58566
Arecibo occultation studies: list 3, 23:48644
Declination and flux density measurements of selected 4C sources at 430 MHz. II, 24:35067
Declination measurements of selected 4C sources using Arecibo 1000-ft reflector, 23:51255
Discrete sources and the microwave background in steady-state cosmologies, 23:41902
Identification of 4C sources using the 4C ascensions and Arecibo declinations, 25:7019
Identification of 4C sources with quasi-stellar objects, 25:7027
Lunar occultation studies of five weak radio sources of small angular size, 21:31124
Occultation studies of 3C 245, MSH 14-121, and MSH 19-21, 25:49628
Occultation studies of weak radio sources, 23:5132
Occultation studies of weak radio sources list 4, 24:23647
Radio structure of remnant of Kepler's supernova, 25:13854
Spectrum of 3C 273, 21:13340
Structure of the radio sources 3C79 and 3C192, 22:34163
HAZAROV, V. A. Electrophysiological study of the activity of the rabbit brain cortex under the influence of total ionising radiation, 22:45715
HAZEL, J. Radiation therapy and autoimmune disease, 24:34544
HAZEL, J. Frederic Thermal analysis of some metal benzohydroxamates, 21:64
HAZEL, J. J. Heavy particle radiations, 21:10967
HAZEL, John P. Determination by x-ray diffraction of crystal structures of silver diethylphosphate and potassium O, O-dibenzylphosphorodithioate, 25:57291 (UR-49-1515)
HAZEL, L. N. Serum growth hormone levels in swine, 25:23943
HAZEL, V. E. Analysis of fuel-clad performance in the EVESR superheat reactor, 21:38550
Design and fabrication of Mark IV superheat fuel, 21:27675 (GEAP-5097)
Post-irradiation examination of Zircaloy-2 and Incoloy-800 clad fuel rods, 22:49857 (GEAP-5626)
Prog. rpt. on high power density development project, 12/66—5/67, 21:40554 (GEAP-5507)
Residual stress and stress-corrosion cracking of type-304 stainless steel fuel cladding, 22:50730 (GEAP-4221)
Rupture in EVESR superheat fuel rod with Incoloy-800 cladding, 21:30141 (GEAP-5416)
HAZEL, Victor E. Nuclear fuel rod assembly, 21:5710
HAZELDEN, Denis William John Fuel materials for nuclear reactors, 23:14383

- Improvements in or relating to fuel materials for nuclear reactors, 22:52251
- HAZELHOFF-ROELFZEMA, B. H. Phosphorite prospecting using a submersible scintillation counter, 24:48177
- HAZELL, E. A. Some effects of ionizing radiation on a polyhydroxyether, 22:45098
- HAZELRIG, Jane B. Ability of ^{47}Ca kinetic analysis to discriminate metabolic states affecting bone formation in dogs, 22:40574
  - Mathematical model for Cu metabolism and its relation to Wilson's disease, 21:20091
- HAZELTINE, R. D. Diffraction radiation by a line charge moving past a comb, 25:28483
  - Fourier transform methods in linear transport theory, 25:59121
  - Resistive plasma rotation and shock formation in toroidal geometry, 25:14235
  - Rotation of Tokamak equilibria, 24:40129
  - Three-dimensional linear transport theory, 24:32943
- HAZELTON, L. D. Automated data processing system for SS material control, 24:426
- HAZELTON, W. S. Evaluation by linear elastic fracture mechanics of radiation damage to pressure vessel steels, 25:11470
  - Fracture mechanics evaluation of reactor vessel steels, 23:21910 (BNWL-790, pp 13.1-8)
  - Fracture mechanics evaluation of reactor vessel steels, 23:24840 (BNWL-870, pp 13.1-18)
  - Radiation damage to pressure-vessel steels, 24:14835
  - Radiation damage to reactor vessel steels, 22:19599
  - Sensitized stainless steel in Westinghouse PWR nuclear steam supply systems, 25:59886 (WCAP-7735)
- HAZEN, W. E. Cloud-chamber search for $^{1}/_{3}$e and $^{2}/_{3}$e quarks in air showers, 25:19884
  - Polarization of radio pulses from extensive air showers, 23:8485
  - Radio pulses and the detection of large air showers, 24:21624
  - Radio pulses from cosmic ray showers, 23:25168 (AD-678193)
  - Radio pulses from cosmic-ray air showers, 21:9361
- HAZERA, J. Study of the problems posed by the treatment of effluents containing detergents and complexing agents, 23:9507 (EUR-4192)
- HAZEWINDUS, N. Axial injection system for a compact isochronous cyclotron, 23:28039
  - Axial injection system for compact cyclotron, 25:31148
  - Beam quality of AVF cyclotrons, 25:31112
  - Calculation of the central orbits in a compact isochronous cyclotron, 23:28038
  - Magnetic analogue of electric field configurations applied to the central region of an AVF cyclotron, 22:39517
  - Particle trajectories in a cyclotron axial injection system, 24:10878
- HAZI, A. Use of pseudopotentials in quantum theory of atoms and molecules, 24:3199
- HAZI, A. U. Computation of resonance parameters for elastic scattering, 25:30297
- HAZI, Andrew U. Calculation of energies and widths of compound-state resonances in elastic scattering: stabilization method, 25:43147
  - Stabilization method of calculating resonance energies: model problem, 24:23804
- HAZLE, A. J. Environmental sampling. A critical look at common procedures, 25:54779 (CONF-710401-, pp 347-51)
  - Investigation of the reduction of radon daughter concentrations in uranium mines by rapid mixing without makeup air, 23:22288 (NYO-3086-8, pp VII.1-29)
  - Reduction of radon daughter concentrations in mines, 23:41332
- HAZLE, Albert J. In vivo measurement of ^{210}Pb as an indicator of cumulative radon daughter exposure in U miners, 23:26786
- HAZLEHURST, J. Shell star studies. I, 21:18377
  - Stellar rotation, 24:12523
  - Stellar rotation: comparison of recent results, 25:24741
- HAZLEHURST, John Nature of contact binaries, 24:42337
- HAZLETT, T. H. High-strength low-temperature bonding of beryllium and other metals, 24:44682
- HAZLEWOOD, R. M. Seismic refraction survey at UNa site, Nevada Test Site, Nye County, Nevada, 24:39093 (USGS-474-76)
- HAZONY, Y. Electronic structure and anomalous thermal expansion in FeF_2 and VO_2, 25:12015
  - Moessbauer effect and dynamics of molecular solid SnI_4, 22:46235
  - Possible origin of anomalous charge states in Moessbauer spectra, 23:23277
  - Stabilized constant acceleration Moessbauer drive, 22:4465
- HAZONY, Yehonathan Vibrational anisotropy and Gol'danskii—Karyagin effect in trimethyltin cyanide, 24:43887 (NYO-2472-68)
- HAZRA, Tapan Response of superior sulcus tumors to radiation therapy, 24:34557
- HAZZAA, I. B. Determination of groundwater flow and quantity of groundwater in Shigaya aquifer in Kuwait using radioisotopes, 25:10700
  - Determination of the velocity of groundwater flow with radioisotopes, 23:11651
  - Eight-year activities of Middle Eastern Regional Radioisotope Centre for Arab countries, 25:51709 (A/CONF.49/P-797)
  - Investigation of ground water radial flow using radioactive tracers, 22:25508
  - Investigation of underground water in the Sahara. III, 24:31286
  - Modified method for the determination of aquifer parameters using radioactive isotopes, 21:238
  - Radiographic method for investigation of the movement of sand and sediment in rivers using ^{32}P, 21:24177
- HAZZARD, D. G. Cesium-134 and ^{85}Sr removal from goats, 23:35719
  - Cesium-134 in cows, 23:35718
  - Nutritional evaluation of milk processed for removal of radionuclides. Chemical analysis, 21:34664
  - Nutritional evaluation of milk processed for removal of radionuclides. Feeding studies, 21:34663
- HAZZARD, DeWitt G. Effect of in utero x irradiation, 24:23323 (CONF-690501-, pp 357-64)
- HE, Hsiang-sheng Intermediate vector boson effects in high-energy τN "elastic" reactions, 22:29669
- HE, Shou-ch'un Extractive separation of microquantities of thorium from the large quantities of rare earth elements, 22:10196
- HE, Xiang-sheng Intermediate vector boson effects in high-energy τN elastic reactions, 21:4030
- HE, Yu-lien Extractive separation of microquantities of thorium from the large quantities of rare earth elements, 22:10196
- HEACKER, H. V. Cost and man year effort associated with the health protection programs, 21:14666
- HEACOCK, H. W. Reactor fuel removal following a coolant flow stoppage, 23:52436 (DUN-SA-112)
- HEACOCK, R. R. 2- to 0.1-Hz polar-cap micropulsation activity, 24:17858
  - Cooperative micropulsation research at high latitudes, 25:9326
  - Evening micropulsation events with a rising midfrequency characteristic, 21:11542
  - Large-amplitude Pc events at College, 24:23867
  - Micropulsation Pc-1 phase and polarization comparisons between College and Kotzebue, Alaska, 25:5005
  - Micropulsation studies in the polar caps, 24:21694
  - Polarization characteristics of Pc 1 micropulsations at College, 21:39867
  - Relation of Pc1 micropulsation source region to plasmasphere, 25:11788
  - Spatial and temporal relations between Pi bursts and IPDP micropulsation events, 25:43247
  - Two subtypes of type Pi micropulsations, 21:37294
  - Variations in Pc 1 frequency with latitude, 22:11332
- HEACOCK, Richard R. Types Pc 1—2 and IPDP micropulsations in the auroral zone, 25:49790 (AD-721200)
- HEACOX, R. A. Long-time stability of Alloy 718, 24:2953
- HEAD, A. Progress with a minimum guidance program at CERN and RHEL, 21:41267
  - Status of the HPD minimum guidance programs at CERN, 25:13278 (CERN-70-21(Vol.2), pp 737-52)
- HEAD, A. E. Measurement of spark chamber film at CERN using LUCIOLE, 21:41242
  - Status of CERN—RHEL minimum guidance, 23:33518 (ANL-7515, pp 421-30)
- HEAD, D. A. Radiation chemical data in water using nitrous oxide, 22:122
  - Yield of free-ions in the radiolysis of formamide, a liquid of very high dielectric constant, 24:36279
- HEAD, David Alan Solvated electron yield in the radiolysis of formamide, 25:41863
- HEAD, E. L. Preparation of thorium dicarbonate, uranyl carbonate, and the sesquicarbonates of La, Ce, Pr, Tb, and Y from corresponding anhydrous acetates, 22:23000 (CONF-670502-, pp 366-73)
- HEAD, J. Double charge exchange in π^+—helium scattering, 22:32067
- HEAD, J. H. Pi$^+$—^{4}He elastic scattering at 610 MeV/c, 22:22325
- HEAD, J. L. Calculation of stresses in graphite-fuel tubes, 25:57051
  - Radiation-damage stresses in the graphite of power-producing nuclear reactors, 23:6764
- HEAD, James Howard Interaction between 610-MeV/c positive pions and He, 23:13039
- HEAD, M. A. Vibration analysis and testing of reactor internals, 23:40164 (APED-5453)
- HEAD, M. E. M. Decays of odd-parity baryon resonances, 23:15187
- HEAD, Martha Ella SU(6)/sub w/ invariant scattering and decay amplitudes, 24:18220
- HEAD, R. Inexpensive system for defining and monitoring external accelerator beams, 22:24761
- HEADING, J. Matrices in treatment of wave propagation in plasma, 23:25414
- HEADING, John Polarization of obliquely reflected waves from an isotropic plant-stratified plasma, 23:32515
- HEADINGS, Verle E. Radioimmunoassay for quantifying carbonic anhydrase isozymes in crude lysates, 24:50662
- HEADINGTON, W. L. Fault tree analysis of PBF transient rod drive system, 23:9195 (IDO-17274)
- HEADLEY, F. B. 2X II 10-Megajoule ignitron crowbar, 25:36196 (UCRL-73031)
- HEADLEY, Francis B. Constant voltage pulse output source study, 23:23182 (UCRL-71525)
- HEADLEY, Larry C. Porous ionizers for contact ionization of Cs, 21:28957 (NASA-TN-D-3997)
- HEADLEY, T. J. Current status of applied superplasticity, 25:16490
- HEADRICK, R. D. Parity conservation in strong interactions, 21:21421
  - Parity conservation in the reaction T(d,n)^{4}He, 22:53089
- HEADRICK, Robert Dale Parity conservation in strong interactions and the construction of a more efficient ionizer, 21:21434
- HEADRIDGE, J. B. Analytical chemistry, 21:2953
- HEADY, H. H. Activation analysis of gold-bearing scrap solders, 25:6285
  - Fast-neutron activation analysis in molten-salt electrometallurgical research, 21:12296
- HEADY, O. E. Prototype fluoride volatility system, 23:19825 (CONF-680610-, pp 185-98)
- HEAGAN, Beatrice Stable isotopes as biological tracers, 23:11964 (CONF-671111-, pp 501-14)
- HEAGNEY, J. M. Preparation of isotopic accelerator targets, 25:59636 (CONF-711002-, pp 101-7)
- HEAGNEY, J. S. Terminal voltage fluctuations of an FN Tandem Van de Graaff accelerator, 21:29670 (RLO-1388-22)
- HEAGY, Fred C. Advances in nuclear medicine, 22:31116
- HEAL, J. L. Radiation damage stresses in the graphite of power-producing nuclear reactors, 23:10307
- HEAL, T. J. Cost of quality in nuclear engineering, 22:27441
  - Costs of quality in nuclear engineering, 24:9065
  - Development of manufacturing route for fuel for Mark III Gas-Cooled Reactor (HTR), 25:54087 (A/CONF.49/P-494)
  - Fuel fabrication processes at Springfields Works of British Nuclear Fuels Ltd, 25:52427 (A/CONF.49/P-490)
- HEALD, J. D. Fatigue crack growth in prototype piping and components, 25:22077
  - Low-cycle fatigue of prototype piping, 24:36892 (GEAP-10135)
- HEALD, J. H. Jr. Molecular beam studies of cryopumping, 22:45271
- HEALD, M. A. Microwave scattering from unstable electron plasma waves, 25:33346
- HEALD, P. T. Lattice dynamics of the hexagonal close-packed metals, 25:50005
- HEALE, J. B. Heterokaryon synthesis and morphogenesis in Verticillium, 22:43293
- HEALEY, D. Inversion in the deformation effect for neutron transmission through oriented ^{165}Ho, 22:18243
- HEALEY, D. C. Deformation effect in neutron total cross section of ^{59}Co, 25:53709
  - Electromagnetic transition strengths in ^{14}C and ^{14}N, 22:44617
  - Experimental observation of a "spin—spin effect" in the neutron total cross section of ^{59}Co, 24:40578
  - Lifetimes of levels in A = 10 nuclei, 23:15357
  - Polarized ^{59}Co target, 24:26558
  - Polarized ^{59}Co target using ^{3}He—^{4}He dilution refrigerator, 24:37977 (AD-703241)
  - Radiative transitions of analog states in the p-shell, 22:26870
  - Spin—spin effect in ^{165}Ho total neutron cross section at 0.4 and 1.0 MeV, 23:32935
- HEALEY, D. L. Bulk densities from subsurface gravity observations and density logs, Nevada test site, 24:46347
  - Calculated in Situ rock density from gravity observations, UA-1 (Cannikin) emplacement hole, Amchitak Island, Alaska, 25:23706 (USGS-474-106)
- HEALEY, Don L. Gravity survey of Area 8, Nevada Test Site, Nye County, Nevada, 25:8191 (USGS-474-89)
  - Gravity survey of Ue15j site, area 15, Nye County, Nevada, 24:25112 (USGS-474-66)
- HEALEY, G. F. Multidecade hybrid radiation survey meter, 23:636
- HEALEY, Gerald F. Portable wide-range radiac instrument using a solid-state electrometer, 21:26146 (ECOM-2805)
- HEALEY, R. JASON: digital computer program for numerical solution of the linear Poisson equation, 24:5580 (UCRL-18721)
- HEALY, C. Chemical determination of N in nitrides of B, Ti, Zr, Cr, Mo, Nb, Ta, and V, 25:8195 (AERE-R-6491)
  - Comparison of methods for the determination of nitrogen in titanium carbide, 23:17321 (AERE-R-5937)
- HEALY, J. Sterling experiment: decoupling of seismic waves by a shot-generated cavity, 22:25561 (VUF-3026)
  - Sterling experiment: decoupling of seismic waves by a shot-generated cavity, 22:47260
- HEALY, J. H. Aftershocks of the Benham nuclear explosion, 24:20917
  - Nuclear explosions and distant earthquakes, 24:46383
  - Seismic activity and faulting associated with a large underground nuclear explosion, 24:2328
  - Seismic activity in Pahute Mesa area, NTS, 24:22804 (USGS-474-58)
  - Source parameters of Salmon and Sterling nuclear explosions, 25:34764
- HEALY, J. W. Control and inspection systems for plutonium production, 23:6270 (HW-62119)
  - Surface contamination: decision levels, 25:55196 (LA-4558)
- HEALY, John Barry Nuclear reactor installation, 22:14362
  - Nuclear reactor installation, 22:25202
- HEALY, John Edward Fluid—particle heat transfer coefficients in packed and fluidized beds, 21:34396 (RPI-3639-3)
- HEALY, John W. Approach to plutonium surface contamination levels, 25:55195 (CONF-710401-, pp 352-64)
  - Los Alamos handbook of radiation monitoring, 25:37824 (LA-4400)
  - Radioactive cloud-dose calculations, 22:45196 (TID-24190, pp 301-77)
- HEALY, Martin Detection of venous thrombosis in the human by means of radioiodinated antifibrin-fibrinogen antibody, 21:24519
- HEALY, Mary K. Spectroscopic ultramicroanalysis with a laser, 21:27925
- HEALY, T. V. Conference on solvent extraction chemistry of metals, Harwell, Eng., 9/65, 22:16676
  - Solvent extraction in the atomic energy industry, 24:9445
  - Synergism in the solvent extraction of alkali metal species, 22:6394
  - Synergism in the solvent extraction of metal ions by dibenzoylmethane, 23:11611
  - Synergistic adducts as co-ordination compounds, 24:9469
- HEALY, Thomas Victor Improvements in or relating to separation of fission products, 21:4616
  - Processing of irradiated nuclear fuels, 21:40989
- HEALY, W. A. Probable upper limit of H/sub c2/ for some higher-order ductile transition-metal superconducting alloys, 21:16886
- HEALY, W. B. Neutron-irradiated enamel in dissolution studies, 21:14589

HEALZER, J. M. Design basis for critical heat flux condition in boiling water reactors, 21:17436 (APED-5286)
HEAMES, T. J. Fast reactor accident study code, SAS1A, 23:40426 (CONF-690401-, pp 51-4)
  Multiple-bubble slug ejection model for coolant voiding, 25:41477
  Reactivity transients leading to disassembly in oxide-fueled fast reactors, 23:37569
  SAS1A: a computer code for the analysis of fast-reactor power and flow transients, 25:28727 (ANL-7607)
  SAS2A LMFBR accident analysis code, 25:57077 (CONF-710302-(Vol.1), pp 120-7)
HEAP, C. R. Fission product distribution in Dragon after first 20 MW run, 25:3886 (DP-Report-571)
HEAP, J. C. Bending of circular plates under a uniform load on a concentric cricle. II, 22:27968
  Bending of circular plates under a variable symmetrical load. I, 22:27969
HEAP, James C. Formulas for circular plates subjected to symmetrical loads and temperatures, 22:10154 (TID-23984)
HEAP, S. R. Observations of O and Of stars, 25:58483
HEAP, Sara Spectrophotometric studies of gaseous nebulae. XIII, 23:44042
HEAP, Sara Ridgway Central stars of planetary nebulae showing O- or Of-type spectra, 25:45172
HEAPHY, Leo J. Jr. Pulmonary scanning in bronchogenic carcinoma, 23:31841
HEARD, H. C. High-pressure mechanical properties of tuff from the Diamond Dust site, 24:38695 (UCRL-50858)
  High-pressure mechanical properties of rocks from Wagon Wheel No. 1, Pinedale, Wyoming, 25:21159 (UCRL-50963)
HEARD, Hugh C. Influence of environment on the inelastic behavior of rocks, 24:16677 (UCRL-72164)
HEARD, K. S. Scattering of K^- mesons from a polarized proton target, 24:3531
  Scattering of π^- mesons from polarized proton target, 24:3532
  Scattering of π^- mesons in momentum range 875 to 1579 MeV/c from polarized proton target, 22:20146
HEARD, M. J. Alpha track autoradiography of sub-micron aerosol particles with the electron microscope, 22:49075
  Alpha-track auto-radiography of submicron aerosol particles using the electron microscope, 22:28061 (AERE-R-5715)
HEARD, W. C. Mesospheric—stratospheric coupling, 22:19863
HEARING, Vincent J. Normal and ^{131}I-treated thyroid gland of newt, 24:2784
HEARLD, A. B. Integrated waste-management system with a vacuum distillation-vapor pyrolysis radioisotope-fueled water-reclamation function, 22:16745
  Vacuum distillation-vapor filtered, catalytic oxidation for water reclamation using radioisotopes for thermal energy, 24:44206
HEARLD, Albert B. Application of radioisotopes for aerospace waste reclamation and water systems, 22:37953
  Radioactive isotope distillation system for recovering water from waste in a spacecraft, 25:54911
HEARN, A. C. Backward anomaly in pi meson photoproduction, 22:34824 (AD-448108)
  Peripheral processes, 22:3372
HEARN, A. G. Abundance of helium in early-type stars, 25:818
  Aspects of non-LTE physics of He atom in hot stars, 25:58472
  Differences between quiet and active regions, 23:48670
  Interpretation of total intensities of Lyman α and β lines emitted by the Sun, 22:11173
  Measurement of He II line intensities emitted by Sun, 23:14542
  No unique interpretation for solar Lyman α profile, 21:43723
  There is no unique interpretation for solar Lyman α profile, 21:39719
  Ultraviolet resonance lines of neutral He from the Sun, 23:12487
HEARN, Anthony C. Determination of real part of Compton amplitude at a nucleon resonance, 24:13009
  Determination of real part of Compton amplitude at a nucleon resonance, 24:26390 (AD-694033)
  Radiative corrections to an electron—positron scattering experiment, 24:12997
  Symbolic analysis of Feynman diagrams by computer, 24:32976
HEARN, C. J. Monte Carlo methods in electron transport theory, 25:56362
HEARN, D. Consistent analysis of gamma-ray astronomy experiments, 23:27264
HEARN, David R. Search for celestial sources of gamma rays of energy greater than 100 MeV, 23:1094 (N-68-29434)
HEARN, Dwight D. Effects of atomic interactions on the absorption and emission of radiation, 23:44185
  Frequency distribution of radiation emitted from excited atomic systems, 25:58807
  Scattering of radiation from interacting atoms, 21:37107
HEARN, Dwight Donald Resonance scattering of radiation by interacting atoms, 22:34240 (COO-1112-162)
HEARNE, J. A. Formation of ethane, ethylene, and acetylene from methane on radiolysis with high-intensity electron pulses, 25:31981
  Irradiation of carbon dioxide containing small amounts of methane, 23:28869 (AERE-R-6040)
  Radiation-induced geometrical isomerization of stilbene in the gas phase at 200°, 24:224
  Radiolytic oxidation of methane, 21:23981
HEARNE, K. R. Determination of some transport properties of argon from transient arc behaviour, 22:41559
  Electron density measurements during a current perturbation of a wall stabilized argon arc, 22:7271
  Laser interferometric measurements of electron density in an arc plasma, 21:42042
  Measurement of arc electron densities using a CO_2 laser, 23:12778
HEARNSHAW, J. B. LMC clusters NGC 2010 and NGC 2136, 24:27909
  Old disk metal-rich subgiant 31 Aquilae, 25:45188
HEARON, John Z. Differential equations for specific activities in a distributed tracer system, 22:51184
  Logarithmic convexity of the washout function in tracer kinetics, 23:26649
  Washout curve in tracer kinetics, 23:26650
HEARST, J. R. High-resolution seismic uphole surveys at the Lawrence Radiation Laboratory, 22:40279
  Piezoelectric effect in shocked sucrose, 21:42863 (UCRL-70485)
  Terrain corrections for borehole gravimetry, 22:40283 (UCRL-50420)
  Well-logging research for geonuclear technology, 24:11695
HEARST, Joseph R. Geophysical measurements in low-density medium at Scroll site, 22:35927 (UCID-15233)
  K-division experimental work. Part I. Geophysics research for underground explosion technology, 25:13104 (UCRL-50855)
  Laboratory verification of explosion calculations. Part III. Grout, a rocklike locking solid, 24:39101 (UCRL-12065(Pt.3))
  Plowshare explosion calculations, 21:19785 (UCRL-12065(Pt.2))
  Reappraisal of the application of static equilibrium theory to decoupling, 21:24129 (UCRL-50182)
HEARTLE, Thomas C. Pear-shaped deformation in oscillator model, 23:7332
HEASLET, Max A. Radiative source-function predictions for finite and semi-infinite nonconservative atmospheres, 22:38683
HEASLEY, James N. Jr. Apsidal-motion test for late-type stars, 25:9005
  Simultaneous determination of He and metal abundances in old open clusters, 25:13798
HEASLEY, Leslie Mechanisms of reactions of thiolsulfinates (sulfenic anhydrides). I, 21:34268
HEASLIP, M. B. Radiosensitivity of deciduous tree seed to different ratios of fast neutron and gamma radiations, 22:28714
HEASLIP, Margaret B. Prog. rpt. on ecological significance of neutron and gamma radiation on tree seed, 6/67, 21:39525 (ORO-2066-11)
  Prog. rpt. on effects of gamma and fast neutron irradiation on tree seed and seedlings, 1970, 24:36848 (ORO-2066-14)
  Prog. rpt. on effects of gamma radiation on tree seed and seedlings, 1969, 23:35933 (ORO-2066-13)
  Prog. rpt. on effects of gamma radiation on tree seed and seedlings, 25:37755 (ORO-2066-15)
  Prog. rpt. on gamma radiation as population control mechanism, 6/68, 23:807 (ORO-2066-12)
HEATER, D. C. Gamma-ray pulse-height spectra: formation of a response matrix for iterative unfolding, 22:49108
HEATER, Drexel C. Gamma-ray pulse—height spectra, 23:3532 (AD-670479)
HEATH, C. A. Control of a nuclear reactor using ^{3}He gas control elements, 21:8030
  Possible instabilities in a thermionic reactor with negative reactivity coefficients, 23:21462 (GA-8943)
  Thermionic reactors for electric propulsion, 22:37510 (GA-8390)
HEATH, Clark W. Jr. Epidemiology of acute leukemia and Burkitt's tumor, 22:36362
HEATH, Colin A. Control of a nuclear reactor with a gaseous control system, 21:38461 (NASA-TN-D-4093)
  Nuclear thermionic space power system concept employing heat pipes, 22:37907 (N-68-19146)
  Reactor concept for space power employing thermionic diodes and pipes, 22:39850 (N-68-12426)
HEATH, Donald F. Effects of high-energy particle environment on quantum efficiency of spectrally selective photocathodes, 22:48154 (N-68-24731)
  Effects of high-energy particle on quantum efficiency of photocathodes, 22:51293
  Polarization and intensity measurements of hydrogen Lyman-alpha in day airglow, 21:29106
  Polarization measurements of the far ultraviolet day airglow, 22:38886 (N-68-17332)
HEATH, George L. Reactor heat transfer calculations, 24:4150
HEATH, Gregory E. Stability of a rotating ring of discrete charges in crossed electric and magnetic fields, 22:7144
HEATH, H. H. Bearings for nuclear engineering, 23:29079
HEATH, James Henry Improvements in or relating to fluid level locations, 23:20054
HEATH, John Stewart Mass spectrometers having adjustable beam defining slits, 25:46658
HEATH, M. Ferromagnetic resonance in nickel—vanadium alloys, 23:25430
HEATH, M. T. Linear compartmental analysis of ecosystems, 25:48390 (ORNL-IBP-71-4)
  Use of steam-electric power plants to provide thermal energy to urban areas, 25:10094 (ORNL-HUD-14)
HEATH, N. W. Evaluation of an electrochemical oxygen meter, 22:47395 (AI-AEC-12700)
  Operation of Systems Quality Sodium Loop, 23:48383 (AI-AEC-12801)
  Systems quality sodium loop: oxygen meter calibration, 23:45570 (AI-AEC-Memo-12848)
  Systems-quality sodium loop, 21:34358 (NAA-SR-12327)
HEATH, R. L. Analysis of gamma-ray spectra from NaI(Tl) and Ge(Li) spectrometers. Computer programs, 21:10624
  Calibration and use of high-resolution Ge(Li) spectrometer systems, 23:22069
  Detector efficiencies, 23:22022
  Detector systems for x-ray spectrometry, 22:2401 (ORNL-IIC-10(Vol.1), pp 424-41)
  Determination of relative photopeak efficiency and system linearity for Ge(Li) gamma-ray spectrometers, 25:18747
  Development of laboratory computer system for physics research, 24:7674 (CONF-690301-, pp 287-98)
  Direct-coupled gamma-ray spectrometer for high counting rates, 24:39332
  Energy dependence of gamma-ray line-widths in Ge(Li) detectors, 23:22021
  Energy dispersive x-ray spectrometry with dedicated computer data reduction, 25:39702 (CONF-710420-1)
  Gamma-ray spectrometry and automated data systems for activation analysis, 24:66
  Measurement of some gamma-ray energies suitable for routine energy calibration, 21:4196
  Method for generating single gamma-ray shapes for the analysis of spectra, 21:10625
  Photopeak analysis program for photon energy and intensity determinations, Ge(Li) and NaI(Tl) spectrometers, 22:2405
  Potential of high-resolution γ spectrometry for assay of irradiated reactor fuel, 21:45018 (WASH-1076, pp 115-29)
  Potential of small digital computers for analyzing nuclear spectroscopy data, 21:32469
  Potential of the lithium-drifted solid-state detector in x-ray-fluorescence analysis, 21:36110
  Prog. rpt. on γ-ray spectrometry of neutron-deficient isotopes, annual, 3/67, 21:26147 (IDO-17222)
  Prog. rpt. on γ-ray spectrometry of neutron-deficient isotopes, annual, 5/69, 23:44849 (IN-1130)
  Prog. rpt. on nuclear technology, 6/68, 23:26134 (IN-1218)
  Prog. rpt. on nuclear technology, annual, 6/69, 24:40606 (IN-1317)
  Role of chloride ion in photosynthesis, 22:53493 (BNL-12532)
  System requirements for high-resolution gamma-ray spectrometry, 23:41039 (EUR-4289, pp 141-8)
HEATH, Russell L. Potential of Ge(Li) gamma-ray spectrometer for gamma-ray energy measurements, 23:19999
HEATHCOTE, A. System for protecting variable temperature nuclear magnetic resonance probes against damage by overheating, 22:19225
HEATHCOTE, F. R. 2130-MeV $\Lambda^\circ p$ mass enhancement in reaction $K^-d \rightarrow \Lambda^\circ p\pi^-$ at 1.45 and 1.65 GeV/c, 25:38668
HEATHCOTE, John Improvements in and relating to heat exchangers, 21:43127
  Improvements in and relating to heat exchangers, 21:43114
  Improvements in and relating to steam generators, 21:24149
  Improvements in and relating to vapour generators, 22:33117
  Improvements in and relating to vapour generators, 22:33116
  Steam generators, 22:1908
HEATHERTON, R. C. Bioassay aspects of UF_6 fume release, 21:10867 (NLCO-986)
  Estimation of thorium in the body, 22:15000 (NLCO-1007)
  Thorium and its mpc's, 21:12837 (CONF-651008-, pp 187-98)
HEATHERTON, R. G. Analysis for ^{210}Pb content of atmosphere, 23:40575
  Analysis for ^{222}Rn content of atmosphere, 23:40574
  Tentative method of analysis for ^{131}I content of atmosphere (particulate filter: charcoal gamma), 24:41451
  Tentative method of analysis for gross alpha radioactivity content of the atmosphere, 24:33793
HEATHMAN, R. J. Design and operation of a forced convection sodium loop, 24:9581 (RD/B/N-1530)
HEATON, A. G. Confirmation of abnormally high electron density in a transient mercury-vapour plasma by laser-interferometer measurements, 23:51613
  High-resolution laser interferometer for measurement of electron density in transient plasma, 23:51612
HEATON, Charles L. Treatment of skin cancer, 21:30847
HEATON, H. T. Structure in n—p scattering cross section, 23:49051
HEATON, J. F. Application of probability analysis to HTGR, 24:50061
HEATON, John Fildes Improvements in and relating to nuclear reactor fuel elements, 25:60084
HEATON, L. Neutron diffraction cryo-orienter, 25:36080
  Neutron diffraction determination of coherent scattering amplitude of Np, 22:7393
  Neutron diffraction study of NpC, 23:22671
  Neutron-diffraction study of the antiferromagnetism of uranium monoarsenide, 22:52885
  Neutron-diffraction study of the low-temperature transition in UP, 23:23040
HEATON, LeRoy Structure and correlation in liquid alloys by x-ray and neutron diffraction, 21:13187 (CONF-660935-3)
  Structure and correlation in liquid alloys by x-ray and neutron diffraction, 22:28820
HEATON, M. Virial theorem for variational functions in collision theory, 25:35871
HEATON, Marie Nonorthogonal natural orbitals from open-shell configuration-interaction calculations, 23:41990
HEATON II, H. T. High-accuracy total-cross-section measurements with NBS Linac, 25:53408 (CONF-701002-, pp 377-84)
  Search for structure in N—P total cross section, 25:53512 (CONF-701002-, pp 57-62)
  Suppression of after-pulsing in the type 58AVP photomultiplier, 24:9719
  Total neutron cross sections of C, Fe, and Pb in MeV region, 23:5828

  Use of an on-line computer in neutron time-of-flight measurements, 24:22033 (NBS-TN-515)
HEATWOLE, Harold Effects of radiation on a population of Puerto Rican tree snail, Caracolus caracolla, 25:21814 (TID-24270, pp E.17-24)
HEBACH, H. Note on short-range correlations and elastic electron scattering, 25:46111
  Three-body model for ^{4}He, 21:19177
HEBACH, Hans Low-lying 0^{+} states in three-alpha model of ^{12}C, 22:53107
HEBARD, Arthur Foster Search for fractional charge using low temperature techniques, 25:59240
HEBB, Alicia M. Antiradiation compounds. VIII, 21:26536
HEBB, J. Radiative corrections to the neutrino—electron interactions, 21:13318
HEBB, Mathilde Jeannette Radiative corrections to neutrino—electron processes, 21:35293
HEBBARD, D. F. Computer acquisition of nuclear data, 25:15979
  Linear least squares fitting of gamma radiation spectra, 24:46508
HEBBEL, Hans-Hermann Influence of Mach number and Reynolds number on aerodynamic coefficients of compressor cascades with different flow turbulences, 22:27525 (K-Trans-31)
HEBBLE, T. L. Statistical design and analysis of chemical vapor deposition experiments, 22:8709 (ORNL-TM-2066)
  Statistical technique for determining sources of variation in (U,Pu)O_2 oxygen-to-metal ratio, 25:35568 (ORNL-TM-3362)
HEBBLE, Thomas L. Design considerations of reactor containment spray systems. XII. Variability of the dose reduction factor for the removal of elemental iodine, 25:37029 (ORNL-TM-2412(Pt.12))
HEBDEN, Donald Liquid—liquid contacting apparatus, 22:30654
HEBEDA, E. H. Isotopic age of Sn granites in Rondonia, N. W. Brazil, 21:184
HEBEISEN, J. C. Compatibility of mixed nitrides with LMFBR claddings, 24:6287
  Nitride fuel: cladding compatibility, 22:32816
  Nitride fuel-cladding compatibility, 23:4230
HEBEISEN, John C. Compatibility of nitride reactor fuels with austenitic stainless steels, 25:22149 (BMI-1895)
HEBEISH, A. Grafting of acrylonitrile to different cellulosic materials by high-energy radiation, 23:287
HEBEL, L. C. Nonequilibrium properties: comparison of experimental results with predictions of BCS theory, 23:27552
HEBEL, W. Production of heavy elements by irradiation of ^{241}Am in BR 2 reactor, 22:2097 (EUR-3560)
  Temperature control of irradiation experiments by changes in gas pressure, 24:36454 (EUR-4478)
HEBER, G. Calculation of the two-point function of a strong self-interacting field in configuration space, 21:29401
  Possibilities of observation of magnetic surface modes using inelastic neutron scattering, 25:38576 (JINR-E2-5766)
HEBER, J. Energy levels and interaction between Eu^{3+} ions in Y_2O_3, 24:42834
HEBERLE, J. Linewidth of Moessbauer absorption, 22:7387
  Parity nonconservation in β decay of ^{129}Te, studied by Moessbauer effect, 22:46795
HEBERLE, Juergen Transmission of a lorentzian spectral line. I, 23:5474
HEBERLEIN, Fermin Viniegra New classical field theory, 25:43665 (NP-18831)
HEBERLEIN, Gary T. Ultraviolet-induced changes in infectivity of Agrobacterium tumefaciens, 21:22807
HEBERT, A. J. Molecular-beam electric resonance spectra of NaCl and NaBr, 22:14485 (UCRL-17916)
HEBERT, C. J. D. Sensitivity of nuclear emulsion at very low temperature, 25:57829
HEBERT, D. Automation of a nuclear physics laboratory by computer. II, 25:33932
  Pulsed Van de Graaff for time-of-flight neutron spectrometry, 23:47802
HEBERT, G. M. Coolant salt for a molten salt breeder reactor, 23:40622
  Equilibrium phase diagram of the lithium fluoride—beryllium fluoride—zirconium fluoride system, 22:37746
  Oxidation of bonded coated-particle fuel compacts by steam, 22:42201 (ORNL-4269)
HEBERT, J. Aspects of French regulations in the nuclear field, 25:52102 (A/CONF.49/P-624)
  Monte-Carlo calculation of antiprotons annihilating (at rest) in nuclei, using isobar model, 25:25460
  New technique for nuclear emulsion studies: inclined stages, 23:43546
  Nuclear responsibility and security, 24:4639
  Production of antineutrons from the interactions of antiprotons of 5 GeV/c in nuclear emulsions, 23:42555
  Sensitivity of nuclear emulsion at very low temperature, 25:57829
HEBERT, Jacques Annihilation (anti pp) into pions, 22:24642
HEBERT, M. M. Precision of neutron measurements in case of bursts of several microseconds, 23:13976 (CEA-CONF-1049)
HEBERT, Marie Heredity, environment, learning, and the brain, 21:4430 (UCRL-16806, pp 34-8)
HEBRON, D. L. Direct and indirect effect of x irradiation on conditioned avoidance behavior, 23:31925
  Induction of post-irradiation conditioned avoidance behavior by intraperitoneal injection of brain tissues, 24:51032
  Morphology of Ehrlich tumor cells treated with magnesium Pemoline and x-irradiation, 24:51036
  Radiation induced avoidance behavior transfer by brain extracts of mice, 24:12302
HEBRON, Delano L. Radioprotective effect of magnesium pemoline, 22:40746
HECHLER, K. Behavior of type-II superconductors in very high fields, 24:3272
  Critical data for some type-II superconductors, 23:36617
  Critical data of niobium nitride in transverse magnetic fields, 21:43992
  Effect of forced circulation on heat transfer with liquid helium in narrow channels, 25:1140
  Evaluation of measurements on Type-II superconductors up to 230 kOe, 23:6954
  Fast-neutron damage and the current-carrying capacity of niobium nitride, 23:39440
  Fast-neutron damage and the current-carrying capacity of niobium nitride, 24:51577
  Peak-effect studies on niobium nitride, 22:29450
  Preparation and superconducting properties of pure as well as zirconium- and titanium-containing niobium nitride, 21:43993
HECHT, E. Anomalous magnetic behavior of superconducting vanadium and niobium, 22:19909
HECHT, F. Activation analysis of elements in meteorites. II, 23:24132
  Activation analytical determination of elements in meteorites, 23:11457
  Determination of Cu, Mn, and Co in U solution by neutron activation, 21:8200
  Determination of trace elements by chemical analysis and neutron activation in meteorites, 22:10199
  Determination of trace elements by neutron activation in meteorites, 25:54517
  Distribution of iodide complexes between mineral acid solutions and long-chain secondary amines (Amberite LA-2), 22:18886
  Distribution of Np in nitric acid solution containing uranyl ion, 25:18519
  Electrophoresis of rare earths on acetyl cellulose. II, 21:4469
  Neutron activation analytical determination of a number of trace elements in meteoritic phases, 25:41773
HECHT, Friedrich Meteorites as documents of extraterrestrial events and cosmic radiation, 22:17264
  Principles of radio- and reactor chemistry, 23:4686
HECHT, Gerald Pharmacodynamic evaluation of oral dosage forms by whole-body liquid scintillometry, 21:22497
HECHT, H. G. Thermoluminescent study of x-irradiated polycrystalline CaO, SrO, and BaO, 22:41674
HECHT, Hans H. Barium-induced automaticity in right ventricular muscle in the dog, 22:38468
HECHT, Harry G. ^{17}O NMR studies of uranium oxides, 25:43497
  Kinetics of reaction between H_2 and F_2 by EPR methods, 25:48383 (LA-DC-12602)
  Magnetic resonance spectroscopy, 22:22255
  NMR study of Na_3UF_8 structure and hyperfine effects, 25:40820
  Present status of diffuse reflectance theory, 21:47020 (LA-DC-8805)
  Thermoluminescent study of the color centers in irradiated polycrystalline MgO, 21:44165
HECHT, K. T. 27-plet unitary symmetry operator, 25:3426
  A, T-dependence of Coulomb energies, 21:21576 (N-66-27440)
  Five-dimensional quasi-spin: n, T dependence of shell-model matrix elements in seniority scheme, 21:42704
  Five-dimensional quasispin, 25:10078
  Five-dimensional quasispin: N, T-dependence of shell model matrix elements in seniority scheme, 22:1703 (AD-648531)
  Generalized seniority for favored J not equal to 0 pairs in mixed configurations, 24:5463
  Lowering and raising operators for orthogonal group in chain O(n) is contained in O(n - 1) is contained in ..., and their graphs, 21:44786
  New quasiparticle factorization of the j-shell, 25:12666
  Nuclear structure of the N = 82 isotones, 25:50761
  Particle-hole interaction in 2s-1d shell, 22:53223
  Simple shell-model expressions for Coulomb energies, 22:37381
  Use of SU(3) in elimination of spurious center of mass states, 25:46131
  Wigner supermultiplet scheme, 23:37281 (AD-679762)
  Wigner supermultiplet scheme, 23:51969
HECHT, N. L. Plasma sprayed ceramic-metal composite coatings, 21:16638
HECHT, P. Decontamination of wastes, 22:51057
  Experimental report on decontamination of radioactive wastes, 22:51203 (SZS-9/68, pp 1-12)
  Methods for decontamination of radioactive wastes, 22:51202 (SZS-9/68)
  Simple method for checking on radioactive waste, 23:49921
  Use of kieselguhr for decontaminating sewage containing ^{137}Cs, 21:17709
  Use of Kieselguhr, multiclone powders, and several other adsorbants for decontamination, 22:51204 (SZS-9/68, pp 14-25)
HECHT, R. Anti-mitotic effects of colchicine and heavy water on eggs of Arbacia punctulata, 23:899
HECHT, R. L. Flux jumps in a hard superconductor in superimposed ac and dc magnetic fields, 21:3782
HECHTL, E. Adsorption measurements for Xe on activated charcoal in high vacuum at —196°C, 21:34460
  Electromagnetic separation of highly enriched noble gas isotopes in multimilligram quantities, 21:12588
  Use of radioactive tracer technique in high vacuum for construction of a mass separator-collector for xenon, 21:1432
HECHTL, S. Gamma decay of analog resonances in the ^{48}Ti(p,γ)^{49}V reaction, 24:13338
  Nuclear structure of ^{21}Na. II, 21:46696
  Positron decay of ^{22}Mg, 22:3666
HECHTMAN, H. B. Treatment by transfusion of severe general radiation injury in dogs, 21:10952
HECK, D. Angular correlation measurements on gamma-ray cascades, 24:47597
  Energy levels of ^{96}Mo excited in (n,γ) reaction, 25:25792
  Excited states of ^{63}Ni studied by the (n,γ) reaction, 24:40586
  Gamma decay of ^{96}Mo and ^{98}Mo, 24:47590
  Investigations of excited states of ^{96}Mo nucleus from reaction ^{95}Mo(n,γ)^{96}Mo, 25:12598
  Nuclear excitations in ^{66}Zn, 24:47588
  Nuclear structure studies on ^{96}Mo, 24:43343
  Proposal for installation of an anti-Compton-spectrometer for neutron capture γ-ray spectroscopy, 25:39739 (NP-18923)
HECK, Dieter Computer program for discovery of excited nuclear states according to Ritz combination principle, 25:12519 (KFK-1247)
HECK, E. N. Survey of reactor facilities for pressure tube irradiation, 23:11275 (BNWL-872)
HECK, F. M. Academic-industrial relationships in LMFBR reactor kinetics, 24:16158 (BNL-50117, pp 86-96)
  Calculating kinetic behavior of loosely coupled fast reactor cores, 22:53348
  Fast reactor cross-section sensitivity analysis, 21:35548 (ANL-7320, pp 263-9)
  Inherent neutronic safety characteristics of the fast modular reactor concept, 21:40611
  Potential of advanced fuels for a fast test reactor, 21:38698
  Safety considerations in the design of large fast-breeder reactors, 21:7940
  Significance of heat capacities and time delays on the thermal transient requirements for LMFBR components, 23:4282
HECK, Francis M. Jr. Fuel assemblies for a neutronic reactor, 22:14360
HECK, Henry d'A Carbonyl O exchange in base-catalyzed ester hydrolysis, 21:15893
HECKATHORN, Joy Review of radio observations of planetary nebulae, 25:35668
HECKEL, E. Hydrazine formation in ^{10}B(n,α)^{7}Li- and γ-radiolysis of liquid ammonia, 23:28923
HECKEL, Edgar Analysis of photolysis and radiolysis product mixtures, 23:49862
  Special gas chromatograph for use in gas phase radiation chemistry, 21:14149 (ORO-3106-21)
  X-radiolysis of perfluorocyclobutane, 23:47554
HECKEL, R. W. Analysis of interdiffusion in finite-geometry, two-phase diffusion couples in the Ni—W and Ag—Cu systems, 25:45040
  Deformation behavior of continuous-fiber metal-matrix composite materials, 24:36914
HECKEL, Volker Size effect of ^{60}Co sources (1 and 2 cm) on length of field, width of penumbra, dose distribution, and definition of beam following irradiation with and without penumbra trimmers, 25:16144
HECKELMAN, James D. Delayed neutron fission product monitor, 24:9638 (N-69-38766)
  Retractable-replaceable thermocouple for in-pile experiments, 24:18709 (CONF-690910-, pp 652-68)
HECKENBERG, N. R. Decay of a highly ionized hydrogen plasma, 23:39468
  Effects of a density gradient on the magneto-Kerr effect at the boundary of a collisional plasma, 21:18699
  Effects of density gradient on magneto-Kerr effect at boundary of collisional plasma, 21:18670 (NP-16641)
  Multipass laser interferometry for plasma studies, 25:40603
  Probe interferometer measurement of electron density distribution in a decaying hydrogen plasma, 23:42234 (NP-17977)
  Probe interferometer measurement of electron density distribution, 23:48884
  Spectral and microwave studies of the decay of a highly ionized hydrogen plasma, 23:36652 (NP-17950)
HECKENTHALER, W. Radiotherapy of malignant bladder tumors, 25:52172
HECKER, A. B. H. Separation of cations in Ti hexacyanoferrate(II) columns, 21:30518
HECKER, O. Irradiation plants to produce exposure rates within ^{60}Co gamma-radiation energy range, 25:29255
  Requirements of x-ray and gamma-ray dosimeters, 23:43611
HECKER, R. Activities of Th reactors in Germany, 23:37452
  Dense plasma focus as a neutron source for pulsed measurements in a blanket, 25:30592 (EUR-4593, pp 525-31)
  Determination of effective cross section for reaction ^{9}Be(n,2n)2^{4}He, 22:18129
  Determination of energy distribution of neutrons from Am—Be and ^{252}Cf sources, 23:49312
  Development of high-temperature thermal reactors in Germany, 21:44828 (EUR-3493.e)
  Development problems of a high-temperature Th breeder reactor, 21:13979 (JUL-382-RG)
  Effect of cyclic fast neutron irradiation damage on modulus of rupture of BeO, 25:8959
  Electrical detection method for shape changes of fuel elements, 21:12263
  Estimate of change in stability of BeO moderator balls on cycling through 1000 MWe pebble bed reactor, 23:11180 (JUL-525-RW-RG)
  Experiments for a new control rod concept for the pebble bed reactor, 24:38393 (JUL-622-RG)
  Fast fission factor of Be oxide, 23:44809
  Fast fission factor of metallic Be and of BeO, 25:37110
  Influence of cavities in moderator material on diffusion constant of thermal neutrons, 22:39778 (JUL-518-RG)
  Plutonium-238 production in THTR fuel elements, 24:22420
  Release of ^{6}Li from low-sintered Be oxide, 25:29963
  Simple arrangement for the establishment of form changes of electrically conducting spheres, 21:2895 (JUL-357-RG)
  THTR development program, 22:53337

- Use of ^{3}He sandwich semiconductor neutron spectrometer for measurement of spectra of different neutron sources common in reactor technology, 23:2631 (JUL-522-RG)
- HECKER, Rudolf Method of and apparatus for treatment of graphite coated particles, 23:39037
- HECKER, S. S. Apparatus for plasticity experiments under biaxial stresses, 25:18282 (LA-4550)
- HECKER, Thomas P. Shutdown characteristics of a SNAP-8 power conversion system, 25:46316 (N-71-20155)
  - SNAP-8 shutdown characteristics, 24:20614 (N-70-13087)
- HECKER, W. Existence of unknown natural α activity in 4.3 to 4.6 MeV region, 24:28815
  - Mass spectrometric determination of the isotopic ratios of Os, 24:20697
  - Paper chromatographic separation of Pt metals. II, 24:298
  - Paper chromatographic separation of Pt metals. I, 24:297
  - Solvent extraction of Ru. I, 23:49905
  - Solvent extraction of Ru. II, 23:47616
- HECKINGBOTTOM, R. Oxidation of metals and alloys. II, 23:51003
- HECKLEY, P. R. Reactions of Na N,N-diethyldithiocarbamate with the chlorides and bromides of Nb(V), Ta(V), and Pa(V), 25:34568
- HECKMAN, G. Viscous magnetospheric boundary layer, 22:34386
- HECKMAN, Gary R. Application of the hypersonic analog to the standing shock of Mars, 22:906
  - Hypersonic analogue as applied to planetary interaction with the solar plasma, 21:33267
- HECKMAN, H. Accelerator irradiations of minerals: implications for track formation mechanisms and for studies of lunar and meteoritic materials, 25:793
  - Accelerator irradiations of minerals, 25:45166
  - Study of muscovite mica irradiated by argon ions, 24:42781
  - Study of muscovite mica irradiated by argon ions, by x ray scattering at small angles, 25:44606
- HECKMAN, H. H. Sensitivity enhancement of plastic nuclear track detectors through photo-oxidation, 24:39227
  - Sensitivity enhancement of plastic nuclear track detectors through photo-oxidation, 25:44619
  - Some effects of heating and drying on the properties of nuclear emulsions, 21:26173
- HECKMAN, Harry H. B—L space and geomagnetic field models, 22:31712
  - Evidence for solar-cycle changes in the inner-belt protons, 22:22069
  - Long-term behavior of energetic inner-belt protons, 24:17749 (UCRL-19309)
  - Low-altitude trapped protons during solar minimum period, 1962—1966, 23:39377
  - Magnetic-moment adiabatic invariant for particle motion in a dipole magnetic field, 21:37302
  - New measurements of star production in nuclear emulsions and applications to high-energy neutron spectroscopy, 24:16837 (UCRL-19389)
  - Stopping-power differences between positive and negative pions at low velocities, 23:23381
  - Stopping-power differences between positive and negative particles at low velocities, 23:46644 (UCRL-19211)
  - What's new and old in range—energy relation, 23:41059 (UCRL-19214)
  - What's new and old in range—energy relation, 24:47368 (CONF-690557-(Vol.1), pp 199-221)
- HECKMAN, Philip E. Synchrotron-radiation model for meson production in high-energy proton—proton collisions, 22:11690
  - Uncorrelated meson production in high-energy nucleon—nucleon collisions, 24:28567
- HECKMAN, R. Vent-gas treatment plant, 21:1483 (VUF-3016)
- HECKMAN, R. C. Angular correlation of positron-annihilation radiation from cerium hydride, 24:1278
  - Electronic properties of rare earth-hydrides, 24:3459 (SC-RR-69-571)
  - Thermal diffusivity finite pulse time corrections, 25:39394 (SC-RR-710280)
- HECKMAN, Richard A. Thermonuclear neutron sources: a new isotope production technology, 24:41536 (CONF-700101-(Vol.2), pp 1295-1305)
- HECKMAN, Richard C. Conductivity and Hall effect in cerium dihydride, 21:18327
  - Hall effect and conductivity in the neodymium—hydrogen system, 22:39192
- HECKMANN, P. H. Lifetimes and relative initial-state populations of some hydrogen atomic states using beam—foil spectroscopy, 25:58722
- HECKO, I. Blood picture of children in vicinity of nuclear power plant, 24:21103
  - Hematological parameters in school children from atomic power plan, 23:24751
- HECKRODT, J. Application of ultrasound-B picture methods for the planning of radiotherapy, 25:29602
  - X-ray findings following traumatic fat embolism of the lungs, 24:36789
- HECKROTTE, Warren Instabilities: convective vs absolute, 22:13520
  - Requirements on recovery efficiencies for mirror fusion power systems, 25:1237 (UCRL-50920)
  - Stability of electrostatic oscillations in inhomogeneous anisotropic plasma, 22:20006
- HECQ, R. Isolation of microgram amounts of berkelium and californium from irradiated americium, 21:143 (EUR-2578.e)
  - Separation of transplutonium elements from irradiated Pu. I, 21:36083 (NP-16940)
  - Separation of transplutonium elements from irradiated Pu. I, 23:2376 (NP-17614)
- HECQUET, M. F. Importance and limitations of scintigraphy of the pancreas, 23:48155
  - Radiolysis of isopropanol and water—isopropanol mixtures, 24:9366
- HECQUET, M.-F. Pancreatic scintigraphy by electronic subtraction, 24:19334
- HECTOR, David L. Integral representation for certain linearized magnetohydrodynamic flows in the plane, 22:50082
- HECTOR, David Lawrence Linearized MHD flow past a semi-infinite flat plant, 22:2911
- HED, A. Z. Defect structure model for nonstoichiometric CeO_2, 22:11085
  - Oxidation of Ni—20 wt. percent Cr—2ThO_2, 25:42930
  - Some limiting factors in the use of alloys at high temperatures, 25:29780
- HEDBERG, K. Carcinoma of thyroid gland review, 23:50795
- HEDBERG, S. Shear stress distributions for flow in smooth or partially rough annuli, 21:221 (AE-243)
- HEDBERG, Stellan Calibration experiments with a disa hot-wire anemometer, 23:9268 (AE-338)
- HEDBLOM, Edwin R. Prog. rpt. on instrumentation for ions in upper atmosphere during aurora, final, 5/14/65—11/14/65, 21:1558 (AD-634299)
- HEDDE, Jean Calculation of reactivity by digital processing, 23:21548 (CEA-R-3691)
- HEDDEN, Daniel T. Nuclear power and thermal effects, 25:41359
- HEDDEN, K. Corrosion rate of graphites by CO_2 and H_2O-vapor, 24:39679 (DP-Report-391)
  - Gasification of reactor graphite with carbon dioxide and water vapor, 22:4920
  - Gasification of reactor graphite with carbon dioxide and steam, 23:27207 (BNWL-tr-27)
  - Kinetic measurements of reaction of C with CO_2, 25:70 (DP-Report-205)
  - Rate constants of reaction of C with CO_2, 25:71 (DP-Report-319)
- HEDDEN, O. F. In-service inspection program for a PWR, 24:45839
- HEDDLE, D. W. O. Computer control of experiments in atomic physics, 25:55094
  - Focal properties of three-element electrostatic electron lenses, 24:35748
  - High-resolution measurement of electron excitation to the 4S states of He, 21:31240
  - Threshold behavior of electron excitation and polarization functions in helium, 21:33182
  - Threshold structure in electron excitation functions of helium, 21:11418
- HEDDLE, J. A. Changes in chromosome structure induced by radiations, 23:35692
  - Nature of chromatid deletions, 24:41849
  - Rupture of radiation-induced anaphase bridges, 24:25457
- HEDDLE, John A. Chromosome studies with tritiated thymidine, 22:4592 (UCSF-10-P-2-36)
  - Formation of chromosomal aberrations, 24:31944
  - Radiation-induced chromosome aberrations in man, 23:35731 (UCSF-10-P-2-80)
  - Radiation-induced chromosome aberrations in man, 24:25449
  - Sampling time and the complexity of the human leukocyte culture system, 22:28429
  - Strandedness of chromosomes, 25:24115
- HEDDLESON, F. A. Computer handling of reactor data for safety: CHORD-S, 24:43860 (ORNL-TM-2928)
- HEDE, B. B. J. Effect of phonons on the e^+—e^- annihilation rate in metals, 25:11699
- HEDEMAN, E. R. History and morphology of solar activity, 1964—1965, 23:46217
  - Later development of the center of activity of the proton flare, July 7, 1966, 23:22805
- HEDEMAN, E. Ruth Major Hα flares in centers of activity with very small or no spots, 24:44919
  - Patterns in the development of centers of solar activity, 1962—66, 23:36366
  - Proton flare of 8/28/66, 22:41285
  - Solar circumstances at cosmic-ray increase on Jan. 28, 1967, 24:3094
- HEDEMANN, H. J. Development of economic nuclear ship-propulsion system with integrated PWR design, 21:42791
- HEDEN, P. F. New magnetic instrument for ESCA, 23:9734
- HEDEN, P. O. 4f electronic states in the metals Nd, Sm, Dy, and Er studied by x-ray photoemission, 25:19866
  - Electron density of states in Yb metal, 24:45362
- HEDENGREN, D. C. Integral gamma-ray production cross-section measurements with Pu—Be neutron source, 25:5582
- HEDERVARI, Peter Solar wind and the earth's tail, 22:31729
- HEDGCOCK, F. T. Low-temperature resistivity and susceptibility of Mg—Ce alloys, 24:32924
  - Resistivity and tunnelling properties of paramagnetic alloy films, 21:13497
- HEDGCOXE, P. G. Vapor explosion—heat transfer and fragmentation. III, 25:37214 (ORO-3936-4)
- HEDGE, C. E. Lead and Sr isotope studies in Montana, 23:13866
- HEDGE, Carl E. Lead and strontium isotopes in volcanic rocks from Northern Honshu, Japan, 24:14058
  - Strontium isotopic composition of basalts from Northeastern Pacific Ocean, 24:46189
  - Variations in radiogenic strontium found in volcanic rocks, 21:8442
- HEDGE, W. D. Density of volatile corrosive liquids: method and equipment, 21:45009 (K-L-6163)
  - Laboratory procedures for Oak Ridge Gaseous Diffusion Plant, 23:31273 (K-L-6203)
  - Laboratory quality control computer program, 25:57611 (CTC-51)
  - Molal freezing point depression curve of UF_6, 21:10251 (K-1667)
  - Molybdenum hexafluoride—hydrogen fluoride triple point curve and its application to a method of analysis, 22:18690 (K-1698)
  - Triple point depression curves for the binary systems tungsten hexafluoride in uranium hexafluoride and molybdenum hexafluoride in uranium hexafluoride: their application to methods of analyses, 22:18689 (K-1697)
  - Tungsten hexafluoride—hydrogen fluoride triple point curve, 21:35845 (K-1699)
- HEDGECOCK, P. C. Evidence for magnetic field aligned currents during the substorms of Mar. 18, 1969, 25:27620
  - Solar particle event of Feb. 25, 1969, 25:27555
- HEDGECOCK, P. D. Friction and wear tests on top reflector keyed plenum element materials of the Ft. St. Vrain HTGR, 24:42053 (GAMD-9280)
  - Materials review: high-temperature gas-cooled reactor, 23:32029 (GAMD-8495)
  - Materials selected for Fort St. Vrain prestressed concrete reactor vessel, 25:5883
- HEDGEPETH, L. M. Infrared detection of radioisotope heat sources, 22:38180
- HEDGER, H. J. Creep of uranium and uranium—plutonium monocarbides in compression, 25:29960
  - High-temperature structure of plutonium dicarbide, 22:41122
  - Thermal diffusivity of uranium and uranium—plutonium monocarbides, 25:29957
  - Uranium—plutonium—carbon phase diagram. I, 25:11523
- HEDGES, Don L. New approaches to industrial hygiene in beryllium fabrication, 22:43302 (CONF-671063-1)
- HEDGES, M. J. Radiation-induced loss of macromolecules into the intestine, 23:33649
  - Sensitivity of mouse testis during irradiation, 25:24389
  - Sensitization of hypoxic gastro-intestinal tract, in vivo, to radiation damage by indanetrione hydrate, 22:49523
- HEDGPETH, Herbert Chemistry of irradiation-induced polytetrafluoroethylene radicals. I, 21:30455
  - Free radical yields in polytetrafluoroethylene as the basis for a radiation dosimeter, 22:40469 (AD-668109)
  - Free radical yields in polytetrafluoroethylene as the basis for a radiation dosimeter, 22:47187
- HEDGPETH, Joel W. Aspects of the potential effect of thermal alteration on marine and estuarine benthos, 24:29730
- HEDGRAN, A. Experiences from a central dosimetry service used as a survey "instrument" by an inspection agency, 22:21517
- HEDGRAN, Arne Swedish policy with regard to the limitation of radioactive discharges from nuclear power stations, 25:12757 (SSI-70-27)
- HEDIN, A. E. Horizontal distribution of helium in the Earth's upper atmosphere, 25:22427
- HEDIN, Alan Edgar Neutral composition, density, and temperature of upper atmosphere from 120 to 200 km, 21:18537
- HEDIN, Anders Effects of focused laser radiation on dental enamel, 22:31225
- HEDIN, Bengt Modified magnetic momentum slit including a pair of C-type magnets, 22:412
- HEDIN, G. Energy levels in $^{114\ 116\ 118\ 120\ 122}$Cd populated in decay of Ag isotopes, 25:28337 (CERN-70-30(Vol.2), pp 1069-74)
  - Energy levels in ^{156}Gd, 24:47580
  - Level structure of ^{191}Ir, 24:30834
  - Levels in ^{193}Ir, 25:43902
  - Measurement of K conversion coefficient of 570-keV transition in ^{207}Pb, 23:23719
  - Possible nuclear co-existence in odd-mass Ir nuclei, 25:28324 (CERN-70-30(Vol.2), pp 957-65)
- HEDIN, L. Effects of electron—electron interaction on the one-electron properties of atoms and solids, 23:41992
- HEDINGER, W. Two applications of radioisotopes in medicine, 25:52120 (A/CONF.49/P-121)
- HEDLAND, R. Active material transport, 22:17026
- HEDLEY, A. Determination of trace amounts of chromium by stable isotope dilution-mass spectrometry, 22:30466
- HEDLUND, D. C. Lithologic logs of UCe-2, UCe-3, and UCe-16 drill holes, Stone Cabin and Monitor Valleys, Nye County, Nev, 23:28998 (USGS-474-9)
  - Preliminary lithology of drill hole UCe—1, Central Nevada, supplementary test site, 23:38093 (USGS-474-1)
- HEDLUND, S. Aqueous radiation chemistry of nitrogen and hot-atom chemistry of ^{13}N and ^{16}N, 22:27768
- HEDMAN, B. H. Compatability of gasket materials, 24:39625 (DP-Report-101)
- HEDMAN, J. New magnetic instrument for ESCA, 23:9734
- HEDMAN, J. W. Simple mass spectrometer, 24:525
- HEDRICH, Dieter Microstructure, electrical properties, and superconductivity of alloys TiNb33 and TiNb40, 22:34563
- HEDRICK, C. E. Solvent extraction using dialysis through artificial phase boundaries, 25:6405
- HEDRICK, C. L. High-beta relativistic electron plasmas in axisymmetric and non-axisymmetric mirrors, 25:38477 (CONF-710607-91)
  - Representation for conductivity tensor of collisionless plasma in magnetic field, 23:36680 (AD-687070)
  - Two-pole approximation for the plasma dispersion function, 22:13484
  - Use of a hot-electron target plasma for accumulation of energetic ions in stabilized magnetic mirror traps, 25:38363 (CONF-710607-92)
- HEDRICK, Clyde L. New representation for the plasma conductivity tensor in a magnetic field, 24:45248
- HEDRICK, Clyde Lewis Interaction of quasi-transverse and quasi-longitudinal waves in an inhomogeneous Vlasov plasma, 25:14388
- HEDRICK, G. E. Classification of programmer errors for automatic error correction, 24:41090 (IS-2352)
  - Implementation of PL/I systems program, 24:18825 (IS-2244)
  - Use of dynamic symbol tables for spelling correction in systems programs, 24:53041 (IS-2373)

User error analysis and automatic correction for compiling, 24:53042 (IS-2411)
HEDRICK, H. B. Indices of chemical composition in live ovines and their carcasses, 23:22208
HEDRICK, H. G. Preference of mice to consume food and water in an environment of high magnetic field, 25:6795
HEDVALL, J. A. Thermal decomposition of calcium sulfate at low temperatures, 22:10165 (ORNL-tr-1679)
HEDVALL, P. Nonlinear coupling between slow and fast waves in a plasma waveguide, 22:26406
HEDVALL, Per Nonlinear coupling between slow and fast waves in a waveguide partially filled with a plasma, 22:29505
Wave propagation in a parallel-plate waveguide partially filled with a hot and inhomogeneous plasma, 22:29520
HEDVICAKOVA, L. Dose distribution in ^{60}Co irradiated dogs, 25:24183
Thermoluminescent dosimetry using lithium fluoride in aqueous suspension, 25:39763
HEDVIG, P. Investigations on graft copolymerization by electron spin resonance. II, 21:24017
Radiation induced electrical conductivity during solid state polymerization, 21:24008
HEDVIG, Peter Investigation of the radiation-induced degradation of polytetrafluoroethylene by electron spin resonance, 23:38010
Proceedings of the 2nd Tihany symposium on radiation chemistry, 21:23945
Radiation degradation of polytetrafluoroethylene, 23:35149
HEEB, C. M. Analysis of the Phoenix fuel experiments, 25:3902 (BNWL-1514)
Approach-to-critical experiments with Phoenix fuel, 21:38719
MTR—Phoenix fuel critical experiments and analysis, 24:33425
Neutronic analysis of the Phoenix-fueled MTR core critical experiments, 23:37634
Production costs for ^{238}Pu in a PWR, 23:37532
Sensitivity of reactivity characteristics to cross section uncertainties for plutonium-fueled thermal systems, 22:20782 (BNWL-SA-1501)
HEEGER, A. J. NMR results for singlet ground state of Fe in Cu, 22:26520
HEEMSKERK, J. P. J. Rotational relaxation of HD below 40 K, 25:19480
HEENAN, T. F. Cross sections in the unresolved resonance region: methods and evaluation of approximations, 25:56870
HEENAN, William A. Capillary valve for use in the ventilation of fast breeder control rods, 25:39244
HEENAN II, William Andrew Design and development of a capillary valve for use in venting fission gases from fast breeder reactor control rods, 25:10189
HEEP, J. Placentography with short-lived radionuclides. I, 23:38690
Placentography with short-lived radionuclides. II, 23:38691
HEER, C. V. Polarization of an amplifying medium and of cosmic OH radiation, 22:21981
Theory for the measurement of the Earth's velocity through the 3°K cosmic radiation, 23:3817
HEER, E. Experimental study of production of charged pions in collisions protons-core at 600 MeV, 23:51856 (CERN-69-24)
HEER, W. Material buckling and diffusion coefficient in D_2O moderated lattices containing natural UO_2 fuel clusters, 22:22838
Studies on D_2O-moderated lattices of natural UO_2 clusters with gas and H_2O coolants, 23:23973 (EIR-143)
HEERAN, M. P. Predawn enhancement of 6300-A airglow in conjugate regions, 24:1325
HEERINGA, R. Old open cluster NGC 7142, 25:9022
HEERSCHAP, M. Deformation properties of vanadium single crystals, 25:2718
Dislocation-loops in natural graphite single crystals reactor-irradiated at 1200°C, 21:33006 (EUR-3289.e)
Electron-microscope study of radiation damage by fission fragments in vanadium, 25:16555
First vanadium—oxygen suboxide phase (VO/sub x/), 23:48565
Purification of vanadium and production of vanadium single crystals through zone melting, 25:58192
Vacancy and interstitial loops in graphite single crystals, 24:6216
HEESCHEN, D. S. Absolute radio luminosity and surface brightness of extragalactic radio sources, 21:3608
Distribution of light in the central regions of some giant elliptical galaxies, 25:24821
Radio astronomy: a large antenna array, 22:904
Radio observations of E and S0 galaxies, 24:35130
Radio properties of elliptical galaxies NGC 1052 and NGC 4278, 22:19695
Radio spectra and brightness distributions of E and S0 galaxies, 24:44942
HEESCHEN, Jerry P. Nuclear magnetic resonance spectrometry, 22:25363
Nuclear magnetic resonance spectrometry, 24:26946
HEESE, N. R. Acceleration of electrons by an electrodynamic space—charge effect, 23:25746
HEESEN, Doris Identification of precipitates in VTiNb alloys, 24:32451
HEESEN, H. LATS in untreated and ^{131}I-treated hyperthyroidism, after total thyroidectomy, and its relation to thyroid antibodies, 23:50743
HEESTAND, G. Implantation-perturbed angular correlation experiments in iron after inelastic proton scattering, 23:39559
HEESTAND, G. M. g-factors for 2^+ states of doubly even nuclei, 23:42906
Magnetic moments of core excited states of odd nuclei near A = 100, 24:49803
Transient fields in ferromagnetic iron and gadolinium, 25:5189
Transient fields on recoil nuclei following Coulomb excitation, 24:49942
HEESTAND, Glenn Martin Perturbed angular correlation studies of medium-A nuclei, 24:47635
HEESTAND, R. L. Application of chemical vapor deposition to the production of tungsten tubing, 22:6968
Chemical vapor deposition of ceramic compounds, 22:7042
Converting UF_4 to U compounds, 21:30434
Parameters for the production of refractory-metal tubing by the vapor deposition process, 21:9108
Production of CVD W tubing, 21:32845 (ORNL-P-3102)
HEETVELD, A. Frigg circuit: water chemistry under investigation, 25:20718 (LIB/Trans-308)
HEFELE, H. Elastic scattering of ^{3}He and α-particles of 16 and 19.5 MeV from several nuclei between ^{40}Ca and ^{64}Zn, 21:9993
Reaction (p,t) on ^{42}Ca, ^{44}Ca, and ^{48}Ca, 25:5677
HEFETZ, E. Mobile radioactive tracer laboratory for hydrological studies, 23:435 (IA-1127)
HEFFAN, Howard Radiation safety in radiography, 21:17800
HEFFELFINGER, R. E. Determination of oxygen—zirconium ratio in oxygen-deficient zirconia, 22:8021
Development and application of methods for analyses of research materials, 21:17563 (ARL-67-0002)
HEFFERLIN, R. Diagnostics in field-free plasmas with medium dispersion optical spectrographic and source monitoring equipment, 22:44094
HEFFERLIN, Ray Diagnostics in field-free plasmas. II, 24:5158
Oscillator strengths in isoelectronic sequences, 21:37173
HEFFERNON, Elmer W. Radiation enterocolitis case report, 23:50791
HEFFLEY, R. A. Resonance overlap of ^{233}U and ^{233}Pa, 24:33330
HEFFNER, R. Charge exchange effects in the (d,p) reaction leading to states in ^{93} ^{95}Zr, ^{93} ^{95}Mo, and ^{141}Ce, 22:14011
Electric dipole transition from the 2f/sub 7/2/ isobaric analog resonance to the 2d/sub 5/2/ ground state in ^{141}Pr, 22:42092
Electric quadrupole transitions from high spin states in the beta-vibrational band of ^{154}Gd, 25:41232 (RLO-1388-137)
Electric quadrupole transitions from high spin states in beta-vibrational band of ^{154}Gd, 25:48097
Gamma transitions from high spin states in beta-vibrational band of ^{154}Gd, 24:38215 (RLO-1388-120)
Gamma transitions from isobaric analogue resonances in the ^{92}Mo(p,γ) ^{93}Tc reaction, 23:23676 (RLO-1388-93)
Gamma-ray transitions from isobaric analog states to low-lying states in ^{93}Tc, 23:28316
Reaction ^{140}Ce(p,γ)^{141}Pr through isobaric analog resonances in ^{141}Pr, 23:25928
HEFFNER, R. H. Isomer in ^{174}Hf, 24:5417 (RLO-1388-102)
HEFFNER R. Isobaric analogue resonant (p,γ) reactions on ^{92}Mo, 25:28359
HEFFT, K. Mass differences and vector currents, 21:31576
HEFFTER, Jerome L. ARL fallout prediction technique, 24:7500 (PB-184852)
ARL fallout prediction techniques, 24:44117 (ARLV-351-12)
HEFLINGER, Lee Magnetic induction plasma engine, 21:9561 (NASA-CR-54762)
HEFT, R. Fate and importance of radionuclides produced in plowshare events, 23:29476 (UCRL-71443)
HEFT, Robert E. Procedures for the systematic separation and analysis of radioactive particles from nuclear detonations, 22:42873 (UCRL-50428)
Radionuclide distribution in particles produced by the Schooner Event, 25:4180
Radionuclide distribution in the particle population produced by the Schooner cratering detonation, 25:37513
HEGARTY, A. F. Acyl transfer reactions from and to the ureido functional group. IV. Neighboring carboxyl group general acid catalysis in the hydrolysis of an O-acylisourea (2-amino-8-carboxy-4-oxo-3,1,4-benzoxazine), 25:26253
HEGARTY, J. C. Active gravitational mass of electromagnetic radiation, 25:53347
Gravitational effect of electromagnetic radiation, 23:27874
HEGARTY, John Christopher Gravitational interaction of em radiation and matter as cause of cosmological red shift, 25:13948
HEGAZY, M. Effect of hypoxia on skin response of mice to 15 MeV electrons, 22:40877
HEGBLOM, E. R. Coordinated measurements from two multi-experiment rockets in an aurora, 23:46373
Low-energy auroral electron energy spectra and angular distributions, 22:47951
Low-energy electron spectra in three visible auroras, 22:29352
HEGE, E. K. Lifetimes of excited states in ^{115}In using a Ge(Li) detector, 25:46065
HEGE, Edgar Keith Photoneutron cross section measurements on ^{194}Pt, ^{195}Pt, ^{196}Pt, and ^{198}Pt, 21:19284
HEGE, J. S. Antibody plaque-forming cells in unsensitized mice, 21:32741 (USNRDL-TR-67-47)
HEGE, John S. Antibody plaque-forming cells in unsensitized mice, 22:38223
HEGEDUES, E. Existence of an I = 5/2 isobar at 1,470 MeV, 23:34623
HEGEDUS, A. K. Influence of stress relieving on optimum quality tungsten sheet, 23:48360
HEGEDUS, Andras J. Determination of small amounts of impurities in molybdenum and its compounds, 25:54399
HEGEDUS, Ferenc Fast neutron fluence detection with niobium, 22:8352
HEGEDUS, J. Andras Determination of traces of foreign matter in molybdenum anuits compounds, 25:10459
HEGEMAN, George D. Mandelic acid racemase from Pseudomonas putida. Evidence favoring a carbanion intermediate in the mechanism of action, 25:93
HEGER, J. Comparison of elastic deuteron scattering from neighbouring nuclei, 24:30728
Level structure of ^{53}Cr and ^{52}Cr with (d,d') and (d,t) reactions, 21:31748
HEGER, L. Bitumization of liquid radioactive wastes, 25:34845 (INR-1249)
HEGER, N. Angiographic diagnosis of hydatid disease of the liver, 25:13494
Late damage from Thorotrast. XLIII, 24:2828
HEGERFELDT, G. C. Applications of a unique group embedding of internal symmetry groups and SU(2): spin-extensions for G_2 and for the Sp(6)-trion model, 21:15393
Branching theorem for the symplectic groups, 21:44399
Canonical commutation relations for Bose fields, 23:32818
Coupling of space—time and internal symmetry, 23:13114
Decomposition into irreducible representations for the canonical commutation relations, 25:47951
Group embedding of space—time and internal symmetry groups, 21:33749
Poincare group extensions and internal symmetry transformations, 22:1467
Proof of the fermion superselection rule, 23:15165
Properties of a class of generalized Inonue—Wigner contractions, 21:44407
Sign change of spinors under 2π rotations, 22:37068
Spin and Lorentz extensions of intrinsic symmetry groups, 21:15370
HEGERFELDT, Gerhard C. Kernel integral formulas for canonical commutation relations of quantum fields. I, 23:51988
Kernel integral formulas for the canonical commutation relations of quantum fields. II, 24:15666
Metrics on test function spaces for canonical field operators, 24:30550
HEGESIPPE, H. Problems connected with the development of new radiopharmaceuticals, 23:26704 (CEA-CONF-1105)
HEGEWALD, H. Determination of absorbed dose of high-energy electrons by lithium fluoride detectors, 25:35027
Dosimetry of 17-MeV betatron, 22:28480
Uniform dose calculation in hard and ultrahard radiation, 21:14661
HEGGENESS, F. W. Preconception irradiation of dam and composition of offspring, 23:33838
HEGGSTAD, K. M. Nuclear submarines can be an economic alternative for oil transport under ice, 24:43836
HEGLAND, J. O. Tritium distribution in high power Zircaloy fuel elements, 25:51242 (GEAP-12205)
HEGSTED, D. M. Selenium-75—selenomethionine in study of protein and amino acid metabolism, 24:27514
HEGSTROM, R. A. Chemical shifts of ^{11}B in icosahedral carboranes, 21:4515
HEGSTROM, Roger A. Hydrogenic atoms in a magnetic field, 25:38170
Relativistic treatment of the shielding of the electron and proton magnetic dipole moments in atomic hydrogen, 23:41936
HEGYELI, Ruth Johnsson Artificial heart program conference, Washington, D. C., 6/69, 25:26899
HEGYI, D. Search for rapid fluctuations in light from Crab Nebula pulsar, 24:4925
HEGYI, D. J. Relativistic equations of state, 21:37647
HEGYI, Dennis Primordial He abundance from μ Cassiopeiae, 24:15123
HEGYI, Dennis Jerome Primordial helium abundance, 24:8222
HEGYI, Gabor Biological criteria indicative of the probability of survival of x-ray irradiated rabbits, 22:21578
HEHEMANN, R. F. Acoustic relaxations in zirconium—niobium alloys, 21:9169
Athermal omega transformation in Zr—Nb alloys, 25:2735
Isothermal omega transformation in zirconium—niobium alloys, 25:55557
Omega transformation in Hf—Nb alloys, 24:36930
Prog. rpt. on transformation characteristics of Zr—Nb alloys, 7/67, 21:43619 (COO-588-13)
Transformation characteristics of zirconium—niobium and other alloys, 22:49752 (COO-588-14)
Transformation characteristics of zirconium—niobium and other alloys, 23:41652 (COO-588-16)
Transition phase in TiNi, 24:43872 (COO-588-19)
HEHL, F. W. How does one measure torsion of space—time, 25:50183
Nonlinear spinor equation and asymmetric connection in general relativity, 25:53348
HEHL, K. Average set of optical triton parameters obtained from fit of (t,p) angular distributions, 23:5941 (COO-1764-30)
Average set of optical triton parameters from (t,p) angular distributions, 23:9055
DWBA calculations of reaction ^{10}B(d,pγ)^{11}B, 24:38107
Investigations of nuclear structure by the double-stripping process, 23:21260 (ZFK-130, pp 134-6)
Orientation effects in l/sub n/ = 1 deuteron stripping reactions, 21:44747 (ZFK-122, pp 183-8)
Spectrum of ^{50}Ca and reaction ^{48}Ca(t,p), 22:5799
Structure of ^{42}Ca and ^{42}Sc investigated by two-nucleon transfer reactions, 23:19236
Two-nucleon transfer reaction on oxygen and the nuclear coexistence model, 21:42696
HEHL, Wilma S. C. Nuclear power stations of natural or enriched uranium, 24:3990 (IEA-142)

- HEHL, Wilma Sonia Caiaffa FRENAI: program for calculation of energy loss spectra for monoenergetic γ rays in sodium iodide, 24:3445 (IEA-151)
  - Fuel development. Program for calculation of a lattice of natural uranium and heavy water and for the calculation of the production of plutonium, 25:12797 (IEA-186)
- HEHN, G. Comparison calculations between P/sub L/ and S/sub N/ approximations and Monte Carlo method, 23:23231
  - Development of a multigroup spherical harmonics code and its application to slab geometry shielding problems, 23:12943 (AERE-R-5773(Vol.1), pp 261-97)
  - Nuclear shielding for the TRIKT 50, 22:25064 (DLR-MITT-66-07, pp 101-10)
  - Shielding problems in the application of nuclear reactors in space, 22:27454
  - Studies with pentosanpolysulfoester before and after irradiation, 23:50346
  - Use in physics and medicine of Siemens training reactor SUR 100, 23:9209
- HEHN, Gerfried Radiation field of the reactor, 25:44108
- HEHN, Gotfried Neutron irradiation of tachostyptan and epsilon-tachostyptan, 23:29385
- HEHRE, W. J. Self-consistent molecular orbital methods. VI, 24:37263
- HEHRLEIN, F. W. Biochemical changes in aortic valve transplants following sterilization, 25:11341
- HEIBA, El-Ahmadi I. Chemistry of allene. II, 21:3125
- HEIBERG, E. Comparison of two detecting methods for time-of-flight measurements of thermal neutron spectra, 21:6269
  - Helium-3 counter as a detector for time-of-flight measurements of thermal neutron spectra, 21:26187
- HEIBERG, S. A. End-effect elimination in proportional counter using field-tube pulses, 22:36042
- HEIBERGER, J. J. Cadmium—neptunium: partial phase diagram of the system, 23:24937
- HEIBERGER, John J. Thermodynamics of dilute solutions of neptunium in liquid magnesium, 24:32410
- HEIBERT, J. C. Theoretical prediction and experimental observation of the J dependence in (d,^{3}He) reactions, 22:20625
- HEID, E. Radiographic examination of normal and pathologic cutaneous and subcutaneous tissues, 23:29613
- HEID, K. R. Action after accidental intake of Pu, 24:7863
  - Assessing the probable severity of plutonium inhalation gases, 23:45773
  - Development of an occupational exposure record system, 21:36565 (BNWL-SA-963)
  - Influence of operating experience on emergency plans to cope with incidents having environmental consequences, 25:16207
  - Interpretation of data on internal plutonium contamination, 25:37800 (EUR-4612, pp 437-68)
  - Management of an extensive plutonium wound and the evaluation of the residual internal deposition of plutonium, 22:21544
  - Occupational exposure record system, 23:24665
  - Post attack actions in a nuclear mass disaster, 22:33809 (BNWL-SA-1509)
  - Prompt mitigatory action after accidental exposure to radionuclides, 21:36564 (BNWL-SA-962)
  - Prompt mitigatory action after accidental exposure to radionuclides, 23:24658
  - Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
  - Tissue analysis for plutonium at autopsy, 23:24649
  - Tissue sampling for plutonium through an autopsy program, 21:6486 (BNWL-SA-918)
- HEIDAM, N. Z. Microwave-phonon-induced extra currents in superconductive tunneling, 25:43316
- HEIDBREDER, E. Balloon borne detector, 25:6579
  - Design of neutron scattering chamber using Monte Carlo calculations, 23:43548
  - Distribution in energy and angle of high-energy albedo neutrons, 25:7255
  - Measurements of the distribution in energy and angle of high-energy neutrons in the lower atmosphere, 25:30374
  - Production spectrum of gamma rays in high-energy interactions and high energy gamma ray intensity at 2900 m, 22:22286
  - Properties of thin spark chambers with the admixture of carbohydrates to the spark chamber gas, 25:18657
- HEIDE, Klaus V. D. Fraunhofer lines with hyperfine structure, 23:3225
- HEIDE, P. Forward peak in π^+ photoproduction, 22:13632 (DESY-67/35)
  - Forward peak in π^+-photoproduction, 22:7426
  - Measurements of single π^- and π^+ photoproduction at small momentum transfers, 22:34827 (DESY-68/22)
  - Measurements of single π^- and π^+ photoproduction at small momentum transfers, 22:39237
  - Photoproduction of π^0 in the backward direction, 22:11571
  - Photoproduction of π^0 in the backward direction, 22:13633 (DESY-67/36)
  - Photoproduction of single positive pions between 1.2 and 3 Gev, 21:863 (DESY-66/22)
  - Photoproduction of single positive pions between 1.2 and 3 Gev, 21:2347
  - Pi$^+$ photoproduction between 1.2 and 3 GeV at very small angles, 21:18881
  - Pi$^+$ production with linearly polarized photons, 23:25495
  - Pion production with polarized photons and test of vector dominance model, 22:52964 (DESY-68/44)
  - Pion production with polarized photons and test of vector dominance model, 23:5514
  - π^+ photoproduction between 1.2 and 3 GeV at very small angles, 21:18878 (DESY-67/3)
  - π^+ production with linearly polarized photons, 23:25492 (DESY-69/5)
  - Small momentum transfer π^+ production with linearly polarized photons, 25:7527 (DESY-70/54)
- HEIDEMAN, H. G. M. Cross sections for excitation of He by electrons and polarization of emitted radiation, 25:52657
  - Elastic and inelastic scattering of slow electrons by atoms and molecules, 25:984 (NP-18463)
  - Generalized oscillator strengths and absolute-zero-angle cross sections for inelastic electron—helium collisions, 21:29015
  - Multichannel resonances in excitation of helium by electrons at energies near 60 eV, 25:24914
  - Polarization of radiation induced by electron impact, 24:12637
  - Resonance excitation of He by electrons, 24:39865
- HEIDEMANN, A. Experiments at the Munich research reactor FRM, 25:28775
  - Neutron crystal spectrometer, 24:9684
  - Neutron crystal spectrometer, 24:19233
  - Neutron crystal spectrometer with extremely high energy resolution, 25:48970
- HEIDEMANN, Anton Measurement of internal magnetic field in V_2O_3, 24:47325
- HEIDEMANN, E. Deuterium-hydrogen exchange of collagen-like synthetic polypeptides, 22:2072
- HEIDEN, C. Flux jump size distribution in low-kappa type-II superconductors, 22:46086
  - Local magnetization measurements on cylindrical samples of low-kappa type-II superconductors, 25:19626
  - Time-dependent flux transport voltages in Nb foils, 25:36061
- HEIDEN, Cristoph Stochastic pulse sequences with application to noise in type-II superconductors, 23:42177
- HEIDENBERG, William J. "Pulseless disease" complicating Hodgkin's disease, 21:26597
- HEIDENREICH, P. Investigations on tumor localization using ^{67}Ga, 25:55283
- HEIDENREICH, Roger Results of radiotherapy for bronchial carcinoma obtained at the Giessen Univ. Clinic from 1962 to 1967, 25:13522
- HEIDER, Charles H. Image processing, 24:18808 (COO-1018-1198)
- HEIDER, Louis H. Training of replacement operators at Yankee Rowe, 25:41306
- HEIDER, R. Lattice vibration spectra of $Sr(OD)_2 . D_2O$ and $Ba(OD)_2 . D_2O$, 23:35107
- HEIDERSDORF, Sidney D. X-ray emission from cold-cathode gas discharge tubes used for educational purposes, 24:21154 (BRH/DEP-70-1)
- HEIDINGER, Rudolf Spectrophotometric determination of traces of chromium in pure tantalum with diphenylcarbazide after prior isolation as acetylacetonate, 22:33236
- HEIDLER, E. Corrosion resistance of the transition metal silicides, 23:46103
- HEIDMANN, J. 21-cm neutral hydrogen line observations of compact galaxies, 25:11638
  - Luminosity—diameter relations for galaxies, 23:14555
  - Observations of small galaxies with the 21-cm line of hydrogen, 22:31584
- HEIDMANN, Jean Diameter—luminosity relation and distance of the Virgo galaxy cluster, 25:4931
  - Diameter—luminosity relation for elliptical and spiral galaxies, 22:11138
  - Observations of small galaxies with the 21-cm ray of hydrogen, 21:46045
  - Span of galactic cluster of Virgo and value of Hubble constant, 24:17615
- HEIDMANN, N. Masses and angular momenta of galaxies, 23:30282
  - Observations of small galaxies with the 21-cm line of hydrogen, 22:31584
  - Optical positions of bright galaxies, 25:40307
- HEIDMANN, Nicole Observations of small galaxies with the 21-cm ray of hydrogen, 21:46045
- HEIDRICH, Fred E. Collinear collisions of an atom and harmonic oscillator, 25:30292
- HEIDT, L. E. Water vapor, molecular hydrogen, methane, and tritium concentrations near the stratopause, 24:31499
- HEIDT, Lawrence J. Photolysis of uranyl oxalate actinometer system, 24:27155
- HEIDTMANN, Uwe Studies on irradiated molybdenum emitters filled with uranium dioxide, 24:3222
- HEIER, K. S. Concentration of Cs in high grade metamorphic rocks, 25:10508
  - Determination of 36 elements in Apollo 14 bulk fines 14163, 25:52597
  - Estimates of the crustal abundances of Th, U, and K, 23:24324
  - Heat flow and surface radioactivity measurements in Precambrian shield of western Australia, 22:25521
  - Rare earth element distribution in anorthosites, 24:7422
  - Thorium, U, and K abundances in peridotite inclusions, 22:27899
  - U, Th, and K contents in rocks, 22:2201
  - Vertical distribution of U, Th, and K in continental crust, 21:19776
- HEIERS, Wilhelm Nuclear fuel element, 21:5720
- HEIFELD, Klaus MKW rolling mill: its development, application, and possibilities, 24:50509
- HEIGHWAY, E. A. Beta decay of ^{187}W, 24:40623
  - Effect of a finite size source on angular distribution attenuation coefficients, 24:29501
- HEIGHWAY, W. P. Patient dose in dental cinefluorography, 23:20240
- HEIGWER, G. Automatic compensating instrument for measuring low electric direct currents, 25:18834
  - Construction and uses of a radiological measuring vehicle, 21:4700
- HEIGWER, Gerhard Irradiation apparatus for microbiological experiments without external hazards, 24:36473
- HEIJBOER, R. J. Computer program for the solution of the two-dimensional time-dependent multigroup diffusion equations, 25:1936 (RCN-122, pp 147-56)
  - Measurement of integral fission product cross sections, 25:1932 (RCN-122, pp 67-84)
- HEIJINK, A. New radiometric titration method based on separation, 24:16442
  - New radiometric titration method. II, 24:13770
  - Radiometric titration method based on separation by ion-exchange. IV, 25:54448
  - Radiometric titration method. I, 23:17355
- HEIKEN, Aage Somatic changes in Solanum tuberosum by acute gamma irradiation, 21:11122
- HEIKES, L. G. Projected Hartree product wave functions. IV, 24:21615
- HEIKKILA, W. J. Comparison of several probe techniques for ionospheric electron concentration measurements, 22:31723
  - Laboratory study of probe impedance, 24:37441
  - Observations on the effect of surface conditions on Langmuir probes, 24:28241
  - Penetration of magnetosheath plasma to low altitudes through the dayside magnetospheric cusps, 25:16940
  - Photoelectron escape flux observations at midlatitudes, 24:47123
  - Practical problems encountered in rocket studies of geophysical disturbances, 21:11501
  - Soft particle fluxes in the auroral zone, 24:15193
  - Soft particle spectrometer in ISIS-I satellite, 24:48294
  - Soft-particle fluxes near the equator, 25:16959
  - Transient ion sheath effects on probe admittance, 25:22497
- HEIKKILAE, Heli UV-induced facies change in M. torreyi, 23:45962
- HEIKKINEN, D. W. (d,p) reaction on ^{20}Ne, 25:34020
  - Charge exchange reaction (^{3}He,t) on ^{24}Mg and ^{30}Si, 25:7827
  - Lowest T = 2 level in ^{28}Si observed in ^{24}Mg + α reactions, 23:15410
  - Observation of T = 2 and 3/2 levels by compound-nucleus reactions, 22:26989
  - Observation of T = 2 level in ^{20}Ne as a compound nucleus resonance, 21:42567
  - Observation of T = 2 level in ^{24}Mg as a compound-nucleus resonance, 21:38269
  - Proton induced reactions on mass-14 nuclei, 25:36673
  - Proton inelastic scattering from the five stable, even-mass isotopes of molybdenum, 25:56774
  - Proton transfer reactions on ^{24}Mg and ^{30}Si, 24:52508
  - Radiative capture in reaction ^{7}Li(^{16}O,γ)^{23}Na, 22:7656
  - Reaction ^{6}Li(^{16}O,d)^{20}Ne, 22:32498
  - T = 2 levels in ^{20}Ne, ^{24}Mg, and ^{32}S, 23:46957
- HEIKKINEN, Dale W. Radiative capture of heavy ions, 23:46918
- HEIKO, L. Application of current algebra and gage invariance to radiative weak decays of hyperons, 25:22776
  - Field-theoretic method incorporating feedback into calculations of neutron—proton mass difference, 24:26402
- HEIKO, Lance Absolute distinction between particles and antiparticles, 24:15535
  - $K_2^0 \to 2\pi 2\gamma$ by current algebra, 25:9738
- HEIKO, Lance Kenneth Neutron—proton mass difference by an S—matrix method, 24:18219
- HEIL, G. Investigation of spin-orbit and spin—spin interactions in the optical model by vector-polarized deuterons, 25:53712
- HEIL, H. Prog. rpt. on study of ionic and neutral species in thermal plasmas, final, 8/64—9/67, 22:34324 (AD-662636)
  - Temperature measurements on electron and ion beams, 21:22968 (AD-643532)
- HEIL, J. Gas-cooled reactors with gas turbines, 23:37605
  - Operation of nuclear power plant with a gas turbine, 23:28542
  - Shielded transport containers for intermediate and high-level radioactive wastes, 25:48818 (CONF-710801-(Vol.1), pp 195-208)
- HEIL, J. J. Radiation density of Karlsruhe Nuclear Research Center surroundings as consequence of leakage of radioactive material into atmosphere, 23:29007 (KFK-930)
- HEIL, K. Non-photoreactivable mutant of S. marcescens, 23:29436
- HEIL, Timothy G. Four new bound, low-lying states of cyanogen, 25:9110
- HEILAND, W. Influence of wall material on plasma—wall interaction, 25:30496 (EUR-4593, pp 461-70)
- HEILBRON, John L. Sources for history of quantum physics, 22:15655
- HEILES, C. Absence of average polarization at 111.5 MHz in pulsar NP 0532, 25:11589
  - Abundance of ^{3}He in Messier 17, 23:20622
  - Intermediate velocity hydrogen cloudlets in Galaxy, 22:41202
  - Optical depth of interstellar neutral hydrogen clouds, 23:14491
  - Pulsar NP 0532, 25:880
  - Pulsar NP 0532: average polarisation and daily variability at 430 MHz, 24:17502
  - Survey of dust clouds for OH emission, 23:14559
- HEILES, C. E. Search for interstellar NO at radio frequencies, 24:27973
  - Search for interstellar SH at radio frequencies, 25:35697
- HEILES, Carl Frequency structure in individual strong pulses of NP 0532, 25:38085
  - Lack of neutral H in M5 and M14, 21:6915
  - Motions and physical conditions inside dust clouds, 24:23646
  - Neutral hydrogen in dark dust clouds, 23:27266
  - Observations of spatial structure of interstellar hydrogen. I, 22:15305
  - Observations of the spatial structure of interstellar hydrogen. II, 24:23705
  - Physical conditions and chemical constitution of dark clouds, 25:47299
  - Polarization of strong pulses of NP 0532 at 430 MHz, 24:27991

Pulsar NP 0532: disappearance of precursor pulse at 606 MHz, 25:13848
Search for redshifted 21-cm absorption in quasi-stellar objects, 24:27987
Superbright radio "knots" in the H II region W51, 24:35063
Temperatures and OH optical depths in dust clouds, 23:39175
HEILES, Carl E. Normal OH emission and interstellar dust clouds, 22:21826
HEILFERTY, R. Prog. rpt. on thermal radiation damage from nuclear weapons, final, 7/5/66, 21:19781 (AD-640595)
HEILFERTY, R. J. Prog. rpt. on computer programs for thermal pulse of nuclear weapon, 12/28/66, 22:2259 (AD-646858)
HEILFERTY, Robert J. Image furnace for low yield nuclear weapons effects simulation, 21:36191
HEILIG, K. Hyperfine structure in Lu(III) spectrum and nuclear magnetic dipole moment of ^{175}Lu, 22:11972
Isotope shift in Cr I, 21:41801
Zeeman effect investigations in Er I, 22:34274
HEILIG, Klaus Zeeman-effect investigations in samarium I spectrum, 21:619
HEILIGMAN, F. Development of radiation-sterilized chicken, 21:43547
Irradiation-induced gases in packaged foods. I, 22:601
Producing radiation sterilized fish products, 23:38915
HEILIGMAN, Fred Effect of irradiation temperature and processing conditions on organoleptic properties of beef and chemical yields in model systems, 22:8674
HEILINGER, F. Influence of x-irradiation on sprouts and metabolism of potato tubers during storage, 22:49188
HEILMANN, H. P. Unilateral recurrent paralysis following carotid angiography by means of Thorotrast, 24:46674
HEILMANN, H.-P. Diagnosis of specific tumors by brain scintigraphy experience with RIHSA, 24:36792
First results in the determination of dose distribution in tangential stationary fields with a digital computer, 25:49189
Hypothyroidism risks after ^{131}I therapy of thyroid gland, 22:25927
Radiation planning as prerequisite in magavolt therapy, 25:58007
HEILMANN, Hans-Peter Post-cricoid carcinoma following multiple x-irradiation of neck region, 25:32595
HEILMANN, K. Methods of obtaining a monogranular photolayer for the purposes of electron microscopic radioautograpy, 24:46560
HEILMANN, P. Epitaxial growth of UO$_2$ on graphite, 21:6865
HEIM, F. Growth inhibition of fetal livers and placentas in rats through ionizing radiation, 24:34097
HEIM, Fritz Effects of ionizing radiation on content of protein, RNA, and DNA and on number of cellular nuclei in liver of newborn mice, 24:23113
Inhibition of estrogen-induced radioprotection of placental nucleic acids and proteins by antiestrogen Clomiphene, 25:11104
HEIM, G. Residual resistivity of Pb films after implantation of Mn ions, 25:19857
Superconductivity of Pb and Sn films after implantation of Mn ions, 25:47466
HEIM, J. R. Superconducting 3.5 tesla, 3 meter prototype bending magnet, 25:50439
Superconducting two tesla bending magnet, 25:3504
HEIM, W. Mass transfer phenomena caused by liquid sodium at nickel and molybdenum alloys, 22:15149
HEIM, W. J. Floating ring stabilization system, 25:36188 (MATT-839)
HEIMAN, Neil D. NMR in 100-nsec state of ^{57}Fe, 24:19997
Radiofrequency perturbation of selectively excited nuclear hyperfine levels, 25:56368
rf-induced sidebands in Moessbauer spectra, 22:37052
Selective excitation of nuclear sublevels, 23:49018
HEIMANN, G. Continuous swelling measurements during processing of nuclear emulsions. I, 21:303
HEIMANN, R. L. Inclusion of fermions in dual N-point functions, 24:10858
HEIMBACH, R. Morphology and growth characteristics of radiation-induced skin-tumors, 23:31953
HEIMBACH, Richard D. Chronic radiation damage of hair follicles and tumor formation in rats, 21:24603
Effect of electron radiation on skin tumor formation in rats, 21:24598
Evaluation by alpha-particle Bragg peak radiation, 23:41460
RBE for skin tumors and hair follicle damage following irradiation, 23:6588
Skin damage and tumor formation from grid and sieve patterns of electron and beta radiation in the rat, 21:24597
HEIMBACH, Richard Dean Effect of penetration depth on radiation induced tumor formation in the skin of the albino rat, 23:2938
HEIMBUCH, A. H. Separation of Am and Cm from rare earth metal carriers by electrophoresis, 22:33522
Separation of americium and curium from rare earth carriers by ion focusing electrophoresis, 21:5790
HEIMBURGER, Irvin Preoperative irradiation in bronchogenic carcinoma, 21:22549
HEIMEL, H. Resonance integral of ^{232}Th in infinite dilution, 24:33142
HEIMERL, G. J. Salt stress corrosion of Ti—8Al—1Mo—1V alloy sheet at elevated temperatures, 21:4900 (N-66-29401)
HEIMERL, J. Ion—molecule reactions, He$^+$ + O$_2$ and He$^+$ + N$_2$, at thermal energies and above, 24:8345
HEIMKE, G. Effectiveness of ceramic armor plating, 25:37256 (UCRL-Trans-10530)
Estimating shock pressures in collisions between two bodies, 25:37257 (UCRL-Trans-10531)
HEIMLICH, C. W. Fabrication of solid-rocket nozzles by shear and conventional spinning of tungsten plate, 21:9126
HEIMLICH, F. Study of ^{40}Ca using reaction ^{39}K(p,γ/sub 0/)^{40}Ca, 24:13321
HEIMPEL, H. Indication and carrying out of substitution of various types of blood cells, 23:22339
HEIN, D. Burnout tests in the scope of technical safety investigations, 24:24824
Hydrodynamic stimulation of vibrations and their stabilization in the core of the Grenoble high flux reactor, 25:3909
Thermohydraulic displays of reflector space in the Grenoble high flux reactor, 25:3910
HEIN, Glen M. Prog. rpt. on initiation and extent of ductile pipe rupture, 5-12/66, 21:14816 (BMI-1793)
HEIN, K. Possible effects of photomultiplier-afterpulses on scintillation counter measurements, 24:44279
HEIN, P. Data processing for bubble chambers from the point of view of a small laboratory, 25:13272 (CERN-70-21(Vol.2), pp 665-73)
HEIN, R. A. Critical magnetic fields of superconducting SnTe, 21:2172
Critical magnetic fields of superconducting SnTe, 23:27580
Enthalpy measurements of UO$_2$ and tungsten to 3260°K, 22:19515 (GEMP-578)
Heat content of UO$_2$ from 1200 to 3100°K, 22:15256
High-temperature enthalpy and heat of fusion of UO$_2$, 22:31460
Superconductivity and long-range ordering in A15-type structures, 21:16871 (AD-642028)
Superconductivity in TlBiTe$_2$, 24:23907
Thermophysical properties of low C 304 stainless steel to 1350 C, 23:10187 (GEMP-643)
HEIN, R. E. Atomic ordering and superconductivity in A15 compounds, 24:15219
HEIN, Robert A. Superconducting behavior of A15 compounds, 23:25281
HEIN, Robert Aloysius Critical magnetic fields of compounds Sn/sub 1-x/Te$_1$ at ultralow temperatures, 22:24231
HEIN, V. D. Irradiated canine hookworm vaccine, 24:50783
HEIN, W. Comparison of long and short compatibility tests on UN and UO$_2$, 24:19477 (KFK-1086)
Nitrogen determination in high-melting nitrides, 24:4212
Report on the question of the most advantageous excitation voltage for x-ray microanalysis, 25:37270 (NP-18887)
HEIN, W. W. Decay of ^{97}Ru, 25:12545
HEIN, Warren Walter Decay of ^{97}Ru and ^{97}Tc, 25:5683 (IS-T-391)
HEIN, Wolfgang Nitrogen and oxygen determination in uranium mononitride, 22:33263
HEINDL, Clifford J. Design study of a fission-electric cell reactor, 21:17513
HEINDL, R. Cerium(III)-sensitized Tb(III) luminescence in Th-orthophosphate, 24:51392 (CONF-700403-5)
Preparation and spectral properties of Eu tris-(5-nitronaphthalene-1-sulfonate), 23:9292 (UCRL-Trans-10307)
HEINDL, Rudolf Preparation and properties of some fluorescent rare earth compounds, 22:22997 (CONF-670502-, pp 283-94)
HEINDLER, M. Lessons drawn from integral experiments on a set of multigroup cross sections, 24:22507
HEINE, P. Parity violation in nuclear forces studied in ^{113}Cd(n,γ), 23:51971
HEINE, V. Structure of divalent and trivalent metals, 21:4953 (N-66-32430)
HEINE, W. F. Decommissioning Hallam, 24:30984
Health physics aspects of fast breeder reactors, 25:51153
HEINECKE, E. Heat transfer and pressure drop measurement in flow across bundles of smooth tubes, especially at high Reynolds numbers, 21:22096
Heat transfer experiments on a heating strip with a longitudinal flow for Reynolds numbers between 5 x 10^3 and 10^6, 22:27446
Investigations on steam generators for gas cooled power reactors, 24:16227
HEINECKE, J. SNR control rod system, 24:22396
HEINECKE, P. Isotope shift of ^{151}Eu, ^{152}Eu, ^{153}Eu, and ^{154}Eu, 24:30855
Isotope shift of ^{151}Eu, ^{152}Eu, ^{153}Eu, ^{154}Eu, and nuclear moments of the radioactive isotopes ^{152}Eu and ^{154}Eu, 25:53802
HEINEMAN, A. H. Postfabrication evaluation of integrity and serviceability of canned graphite for the EBR-II neutron shield, 22:46858 (ANL-7424)
HEINEMAN, Herbert S. Possible role of hospital radiology departments in cross infection and antibiotic-resistant bacterial mutagenesis, 24:46628
HEINEMAN, R. E. Fast reactor experiments in PCTR and HTLTR, 22:14255 (BNWL-CC-886)
Initial critical experiments using HTLTR, 22:33075
HEINEMANN, B. Large scale fixed bed ion-exchange system for removing ^{131}I and ^{90}Sr from milk, 22:31063
Large-scale fixed-bed ion-exchange system for removing ^{90}Sr from fluid milk. I, 21:28461
Large-scale fixed-bed ion-exchange system for removing ^{90}Sr from fluid milk. II, 21:32666
HEINEMANN, B. H. Strontium removal system for fluid milk, 21:18058
HEINEMANN, M. A. Prog. rpt. on analysis of radiation data from Gemini 4 and Gemini 7 proton—electron spectrometer experiments, final, 6/13/67—12/30/68, 23:27444 (N-69-14773)
Prog. rpt. on proton—electron spectrometer experiments on Gemini-4 and Gemini-7, final, 5/27/63—9/30/66, 21:43894 (N-67-23326)
HEINEN, K. Gail Activation analysis of silicon by convention carrier separations and by computer reduction of gamma spectra, 21:2946
HEINICKE, D. Effect of gamma rays on the action of an enzyme, 22:469
HEINICKE, E. Existence of doubly negative charged heavy ions, 25:50210
Existence of negative beryllium and magnesium ions, 21:3887
Molecular and atomic ions of elements of subgroups A, 25:24853
Penning ion source for MP accelerator, 24:3815
Production of negative lithium ions in a Penning discharge, 21:7597
Reaction ^{6}Li(^{6}Li, α)2α between 4 MeV and 24 MeV evidence for quasimolecular state ^{6}Li—^{6}Li, 24:22072 (CEA-CONF-1456)
Reaction ^{6}Li(^{6}Li,α)2α, 24:49715
Universal ion source for tandem accelerators, 22:7594
HEINICKE, Erhard Spectrum of α particles of ^{10}B(^{6}Li,α)3α, 24:47570
HEINICKE, W. Energetic plasmas produced by laser light on solid targets, 22:5380
Stimulated Brillouin scattering in liquid helium, 22:17544
HEINIGER, F. Annealing conditions and superconducting behavior of Nb-based A15-type compounds, 23:36626
Electronic specific heat and antiferromagnetism in chromium alloys, 21:4947
Low-temperature specific heat of transition metals and alloys, 21:4946
Specific heat and superconductivity of Nb-based A15-type compounds, 24:1346
Specific heat and superconductivity of chromium base alloys with A-15 structure, 25:25045
Specific heat, superconductivity, and crystalline order of V based alloys with A15 structure, 24:40016
Superconductivity and specific heat of alloys based on Ti$_3$Sb, 24:15255
Superconductivity in the monoclinic phase of the aluminum—osmium—ruthenium system, 22:52687
HEINIGER, H. J. Liquid scintillation counting of tritium in mouse bone marrow, 25:20951
Radiation-induced DNA labelling in G$_1$ phase in HeLa—S$_3$ cells, 24:11952
HEINIS, P. Radioisotopes in the diagnosis of gastric disease, 25:13495
HEINISCH, H. L. Jr. Polarizability of H$^-$, 25:9174
HEINISCH, R. P. Streamwise heat conduction effects in forced-convection boundary layers, 24:19160
Transient and steady-state natural convection of mercury in a closed vertical rectangular channel, 24:33306
Transient free-convection heat transfer in liquid metals, 23:35411
HEINISCH, Roger P. Transient combined conduction and radiation in an absorbing nonemitting medium, 22:37926 (ANL-7407)
Transient free-convection heat transfer in liquid metals in vertical rectangular channels, 23:2495 (ANL-7452)
HEINKE, G. Wear on metal pairs in vacuum at 10^{-9} torr, 24:8100
HEINKEL, K. Laparoscopic picture of the thorotrast liver, 21:3440
HEINKEL, Otto CO-equilibrium pressure of Ta—O solid solutions, 22:10999
HEINLOTH, K. Electroproduction of pions, 22:9500
Electroproduction of pions, 22:11567 (DESY-67/31)
Electroproduction of π^0 mesons on protons in backward direction, 25:47707 (DESY-71/29)
Electroproduction of π^0-mesons on protons in backward direction, 25:59353
Electroproduction of $\pi^+\Delta^0$ (1236) on hydrogen, 25:45629 (DESY-71/25)
Electroproduction of $\pi^+\Delta^0$(1236) on hydrogen, 25:50049
Electroproduction of π-mesons on protons above the second resonance, 25:56406 (DESY-71/35)
Electroproduction of rho^0 mesons, 22:13634 (DESY-67/41)
Electroproduction of rho^0 mesons, 22:15716
Electroproduction of single π^+ mesons on hydrogen, 25:27950 (DESY-71/9)
Electroproduction of single π^+ mesons on hydrogen, 25:40865
Electroproduction of single π^+-mesons on H, 25:30718
Electroproduction of single π^+-mesons on H, 25:30719
Photoproduction of charged pions by 2- to 5-GeV tagged γ rays, 21:17024
Photoproduction of rho^0 mesons on H, C, and Al with photons of known energy, 22:13631 (DESY-67/30)
Photoproduction of rho^0 mesons on hydrogen, carbon, and aluminum with photons of known energy, 22:9501
HEINONEN, J. Decay of ^{82}Rb isomers to levels in ^{82}Kr, 24:13325
Determination of Cs in biological material by neutron activation analysis, 24:41230
HEINRICH, B. Experimental studies on the reaction of graphite with steam, 25:46229 (EUR-4344)
Measurement of fission iodine after reactor accident, 23:34912
HEINRICH, D. Cascade theory of defect production, 22:22206 (AERE-Trans-1090)
Corrections to the cascade theory of defect production, 22:22205 (AERE-Trans-1089)
HEINRICH, E. Wm. Abundance and significance of some minor elements in carbonatitic calcites and dolomites, 23:13633
HEINRICH, F. Double-focusing magnetic pair spectrometer, 21:28219
Highly focusing beta spectrometer, 22:6637
Low-level gas counter with a plastic scintillator as anticoincidence shield, 21:26183
HEINRICH, G. Double scattering arrangement for the production of polarized protons, 23:34699
Inelastic scattering of polarized protons on ^{28}Si, 24:22119
Proton scattering on selenium isotopes, 24:35846
Scattering of polarized protons on selenium, 23:21302 (ZFK-130, pp 155-7)
Triplet lifetime of diphenylpolyenes and deuterated stilbenes in frozen solution, 24:33688
HEINRICH, H. Investigation of the auroral electrojet, 25:9334
Measurement of fission angular distribution in solid state detectors, 21:41225

  One-group calculations of the interaction in fuel systems taking into account multi-group effects, 22:27505
HEINRICH, H. C. Metabolic behavior of ^{51}Cr label in human after intravenous injection of ^{51}Cr^{+++}, 22:19255
  Physical halflife of radiochemically pure ^{59}Fe, 24:46571
  Radioisotope diagnosis and research during pregnancy and in infants, 23:19985
  Whole-body radioactivity measurement, 23:2564
HEINRICH, K. F. J. Quantitative electron probe microanalysis: absorption correction uncertainty, 22:18713
HEINRICH, Kurt F. J. Quantitative electron probe microanalysis, 24:20695
  X-ray wavelength conversion tables and graphs for qualitative electron probe microanalysis, 22:44977 (NBS-TN-406)
HEINRICH, L. A. Comparison of neutron source costs, 25:50606 (CONF-710402-(Vol.2), pp I.142-6)
HEINRICH, R. R. Activation-rate measurements in the ZPR-3 mockup critical experiments. Part I. Measurements of foil-activation rates and fission yields in Assembly 60 of ZPR-3: mockup of EBR-II with a uranium blanket, 25:44150 (ANL-7781)
  Analysis of recent dosimetry experiments in EBR-II, 24:7090
  Chemical Engineering Division. Cross sections and burnup semiannual report, January—June 1971, 25:60035 (ANL-7824)
  Fast neutron capture by vanadium and titanium, 23:52125
  Flux-characterization and neutron-cross-section studies in EBR-II, 24:47819 (ANL-7629)
  Integral measurements in EBR-II of capture rates, fission rates, and α for ^{233}U, ^{235}U, ^{238}U, ^{239}Pu, ^{240}Pu, and ^{242}Pu, 25:56982 (ANL-7791)
  Uranium-235 and ^{239}Pu fast fission yields as a function of neutron energy, 25:41241
HEINRICH, Robert R. Cross sections of ^{85}Rb(n,γ)/sup 86m/Rb, ^{87}Rb(n,γ)^{88}Rb, and ^{89}Y(n,γ)/sup 90m/Y, 24:49841
  Nuclear reaction rates in EBR-II irradiated stainless steel, 23:40337
HEINRICH, W. Kiel cosmic ray muon spectrograph, 24:36618
  Treatment of exudative radio dermitis with actihaemyl cream, 25:46903
HEINRICHS, H. Energy transfer in MOSEL reactor, 21:27685 (JUL-422-RG)
HEINRICHS, Jean General perturbation and variational methods for responses to time-dependent interactions in quantum mechanics, 22:46296
  Simple calculation of polarizabilities, hyperpolarizabilities, and magnetic susceptibilities of atoms and ions, 24:37196
  Spatial variations of the order parameter in superconductors containing magnetic impurities, 22:22094
  Theory of electronic transitions in slow atomic collisions, 23:1183
HEINTSCHEL, H. G. Behavior of radioisotopes released to a stream, 21:15997
HEINTZ, E. A. Application of wetting theory to the non-reactive liquid metal—graphite systems, 23:41694
  Catalytic effect of major impurities on graphite oxidation, 21:13228
HEINTZ, P. A. Use of neutron activation analysis in the early diagnosis of cystic fibrosis in children, 21:6566
HEINTZ, P. H. Microdosimetry with 14-MeV neutrons, 24:32014
  Neutron-capture gamma-ray activation analysis, 22:12262
HEINTZ, Philip H. In-phantom microdosimetry with 14.6 MeV neutrons, 25:55232
HEINTZ, Roger Absorption spectrum of a magnetoplasma dielectric in a resonant cavity, 22:22164
HEINTZ, Roger E. Diffusion in a microwave-excited plasma, 25:38425
HEINTZ, Roger F. Diffusion in a microwave-excited plasma, 24:51636 (AD-705693)
HEINTZ, W. Braunschweig operations report, 11/68—12/69, 24:31100 (FMRB-30/69)
  Experience on operation at 100 and 200 kW of the research and measurement reactor, 24:41043 (FMRB-24)
  Experience report on the operation and radiation protection at the Braunschweig Research and Measurement Reactor for the year 1970, 25:37063 (FMRB-35/71)
  Operation of Braunschweig research and measurement reactor, 10/67—10/68, 24:41041 (FMRB-8)
  Starting program on the research and measurement reactor, 24:41044 (FMRB-25)
  Theoretical investigation on diffraction of slow neutrons, 25:56615 (FMRB-37/71)
HEINTZ, W. D. Conference on observation of visual double stars, Nice, 9/69, 25:49613
  Triple system tau Cygni, 24:46832
HEINTZ, W. H. Angular coefficients of atomic matrix elements involving interelectronic coordinates, 22:13241
HEINTZ, Wulff D. Statistical study of binary stars, 24:23557
HEINTZE, J. Cylindrical spark chamber system with magnetostrictive readout, 24:16878 (BMBW-FBK-69-45)
  Measurement of $\pi^{+} \rightarrow \pi^{0} + e^{+} + \nu$ decay rate, 22:24528
  Multiwire drift chamber, 25:23812
  Spark chamber experiment on the beta decay of Ξ^{-} hyperons, 25:56411
HEINTZE, J. R. W. Components of the eclipsing binary SZ Camelopardalis, 24:44842
HEINTZE, V. Deposition and diffusion of deuterons in Au, Ni, and Cu, 21:9667
  Trapping, diffusion, and density distribution of deuterons in self-targets of Au, Ni, and Cu, 21:35452
HEINTZELMAN, W. Decay parameters (Σ^{-}), 21:46474
  Sigma^{+} decay parameters, 21:868 (NYO-3651-1)
  Sigma^{+} decay parameters, 21:2359
HEINTZELMAN, William Jacob Decay parameters in nonleptonic decays of charged sigma hyperons, 23:42543
HEINTZMANN, H. Consequences of weak interactions for stellar evolution, 24:27927
  Detection of gravitational waves by electromagnetic radiation, 22:18031
  Equivalent two-body potentials, 21:13902
  General relativistic neutron star models, 23:51188
  Hyperon stars, 24:46850
  Model for the pulsar in the Crab Nebula, 25:40252
  New exact static solutions of Einstein's field equations, 24:1660
  Physical laws in accelerated reference systems, 23:49185
HEINZ, D. E. Determination of aroma compounds as an index of pear maturity, 21:22836
HEINZ, E. Ralph Abnormal isotope cisternography in occult hydrocephalus, 24:25530
HEINZ, H.-E. Use of electroradiographic technique in nondestructive x-ray and gamma-ray materials testing, 24:29472
HEINZ, K. Ultraviolet and solar radiation, 24:32210
HEINZ, Marvin L. Disc-loaded waveguide tuning machine which automatically tunes successive cavities by indenting waveguide wall, 21:1695
HEINZ, O. Analysis of scattering of He^{+} by Ne and Ar, 21:39822
  Lithium ion emitter for low energy beam experiments, 22:43875
  Measurement of large angle atomic scattering, 24:6369
HEINZ, R. M. Backward elastic π^{+}p scattering from 2.18 to 5.0 GeV/c, 23:36845
  Differential cross sections for $p + p \rightarrow d + \pi^{+}$ from 1 to 3 GeV, 22:22304
  Interactions with two-body and quasi two-body final states, 24:51928 (TID-25473(Vol.4), pp 1-17)
  Intermediate-angle pion—proton elastic scattering from 3.0 to 5.0 GeV/c, 24:42885
  Large angle proton—proton elastic scattering at intermediate momenta, 24:49313 (COO-2009-15)
  Large angle proton—proton elastic scattering at intermediate momenta, 25:47727 (COO-2009-18)
  Large-angle elastic proton—proton scattering from 1.5 to 3.5 GeV/c, 24:5238
  Nonlinear sum rules for high-energy hadron—hadron collisions in the quark model, 22:34959
  π^{-}p backward elastic scattering from 2.38 to 3.00 GeV/c, 24:40277
  Scattering of protons by deuterium from 1.0 to 2.0 GeV, 22:11583
  Spectrometer system to study processes of the baryon exchange topology, 24:52318 (TID-25473(Vol.3), pp 165-76)
  Test of duality in π^{+}p backward angular distributions, 24:24365
HEINZ, W. Acceleration of deuterons in 60-GeV proton synchrotron, 24:20270 (KFK-1087)
  Detector probe for encapsulated Ge(Li)'s directly immersed in liquid nitrogen, 25:57800
  Fissionable material balance and safeguards, 25:4266
  German 40-GeV proton synchrotron, 22:32245 (CEAL-2000, pp 54-7)
  Investigation of radial sector-type FFAG electron synchrotron (maximum energy 150 MeV). III, 21:7596
  Investigation of the radial sector-type maximum energy of 150 MeV. II, 21:4155
  Investigations for a FFAG electron synchrotron of the radial sector type (end energy of 150 MeV). I, 21:4166
  Progress on the German proton-synchrotron, 23:28181
  Proposal for FFAG-electron-synchrotron, 21:42478 (BMwF-FBK-67-65)
  Remotely operated equipment for the analysis of reprocessing solutions, 22:40030
HEINZE, Dieter Physical investigations on crosslinked high polymers, 22:25396
HEINZE, H. G. Clearance studies with ^{131}I-labeled hippuran, ^{203}Hg-salyrgan, ^{51}Cr-EDTA, and ^{51}Cr-inulin, 25:11156
  Cobalt-60 therapy of renal tumors, 25:35193
  Postoperative ^{60}Co teletherapy of mammary carcinomas, 25:32506
  Radioiodine kinetics of thyroid, 23:31614
  Radioiodine therapy in malignant thyroid tumors, 21:22570
  Struma maligna: 3, 5, and 8-year results in 259 cases, 25:13524
  Studies on l-triiodo-thyronine suppression in its dependency on thyroidal function, iodine storage, thyroid size, and age of patients, 25:10944
  Thyroid function in endemic goiter, 24:794
HEINZE, K. Directional dependence of measured values from some gamma dosimeters, 22:2426 (ABS-THH-1037)
  Experimental determination of geometry effects in the measurement of build-up factors for gamma radiation in concrete, 21:23239 (ORNL-tr-1524)
  Photoproduction of highly interacting particles, 21:27228 (ORNL-tr-1534)
HEINZE, Robert G. Antibodies to encephalitogenic basic protein in experimental allergic encephalomyelitis, 23:35802
HEINZE, Volkmar Treatment of chronic lymphatic leukemia by extracorporeal irradiation, 23:38718
HEINZEL, F. Prevention of gynecomasty in hormone-treated prostatic carcinoma patients by x irradiation, 23:26859
HEINZELMANN, G. Electric nuclear quadrupole moment of ^{134}Cs, 22:20580
HEINZELMANN, M. Correction factors to calibration of spherical dosimeter up to 50 MeV neutron energy, 22:6656
  Effective and average neutron energies of (α,n) sources behind H containing shielding, 22:39563
  Experience in practical radiation protection with thermoluminescence dosimeters for determination of doses of partial-body radiation, 24:31738 (JUL-640-ST)
  Experimental studies of β dosimetry with LiF teflon dosimeters, 24:36755 (JUL-603-ST, pp 187-9)
  Measurement of ^{41}Ar outbursts at nuclear reactors, 21:12262
  Measurement of flux density and dose rate removal cross sections of various shielding materials for neutrons, 21:27224 (JUL-435-ST)
  Moderation of fast neutrons in polyethylene and their use in neutron dosimetry, 25:21443 (EUR-4540)
  Prog. rpt. on radiation protection, annual, 1968, 24:36763 (JUL-603-ST)
  Recoil tracks in plastic for neutron dosimetry, 24:36556 (JUL-603-ST, pp 191-4)
  Testing the energy dependence of ionization chambers for β dosimetry, 24:36625 (JUL-603-ST, pp 190-1)
HEINZINGER, K. Electromigration in metals, salts, and aqueous solutions, 25:8247
  Hydrogen isotope effect among different dehydration stages of $CuSO_4.5\ H_2O$, 22:16529
  Temperature dependence of gaseous normal and ortho-deuterium thermal conductivities at liquid hydrogen temperatures, 23:47358 (LA-4122-TR)
  Temperature dependence of the thermal conductivities of gaseous normal-and ortho-deuterium at temperatures of liquid hydrogen, 22:4088
HEINZINGER, Karl Hydrogen isotope effect in $CuSO_4.5H_2O$, 24:7433
HEINZLER, F. Dosimetry for therapy of breast carcinoma using 17-MeV electron accelerator or telecobalt, 21:24474
  Radiotherapy of Ewing sarcomas, 25:16261
  Significance of high-energy radiation in the therapy of gynecological tumors, 23:865
HEINZLER, Franz Biological effects of fast electrons in different tissue depths, 23:31878
HEIPLE, Clinton R. Computer program for indexing crystals from their x-ray powder patterns, 23:37859 (RFP-1292)
  PLOT: computer program for automatic graph plotting, 23:31258 (RFP-1259)
HEIPLE, Clinton Rie Frequency dependence of dislocation damping in single crystal copper, 21:7331 (COO-1198-401)
HEIRTZLER, J. R. Rapid geomagnetic activity at very low-latitude conjugate stations, 21:15045
  Summary of the observed characteristics of geomagnetic micropulsations, 21:41952
HEISE, H. Experimental oscillator strengths for Ni I lines, 25:9117
HEISE, John Interplanetary gas. XV, 24:19664
HEISE, Othmar Calculation of axisymmetrically loaded shells of rotation with closed formulae, 25:46405 (SC-T-713044)
HEISE, Otto Method of removing radioactive contaminations from liquids, 21:3159
HEISEL, F. Effects of γ-rays on the characteristics of organic scintillators, 21:28334
  Tri-α-naphtylboron used as a solute in organic scintillators, 24:46478
HEISEL, Francine Energy transfer in plastic scintillators, 24:19208
HEISELMANN, H. W. Blowdown-induced strains in a simulated PWR primary coolant system, 23:37577
  Experimental investigations of reactor system blowdown, 25:1909 (IN-1348)
  Semiscale Blowdown and Emergency Core Cooling (ECC) Project test report: tests 803 through 820, 25:8106 (IN-1404)
  Semiscale Blowdown and Emergency Core Cooling (ECC) project test report: Tests 824 and 825, 25:51135 (IN-1481)
HEISEN, A. Behavior of anomalous glow discharges at parameter changes in the range of nanoseconds, 22:48105
  Calculation of the field strength in a current-carrying cylindrical discharge plasma, 23:6997
  Charge-carrier density in an electron beam plasma under the influence of volume and wall recombinations, 22:13465
  Negative glow of anomalous glow discharges considering volume recombination, 23:32431
HEISENBERG, J. Elastic electron scattering by ^{208}Pb and nuclear charge distribution, 24:13391
  Elastic electron scattering from ^{12}C, 25:12376 (AD-710383)
  Elastic electron scattering from ^{12}C, 25:17770
  Elastic electron—nickel scattering, 25:3687
  Fine structure in nuclear charge distribution, 24:52494
  Inelastic electron scattering from several Ca, Ti, and Fe isotopes, 25:36695
  Nuclear charge distributions from electron scattering: barium and neodymium, 25:59793
HEISENBERG, J. H. Charge distribution of even Nd isotopes, 25:25741
  Charge distribution of the even Nd isotopes, 25:17854 (AD-712082)
  Electron- and bremsstrahlung-induced fission of heavy and medium-heavy nuclei, 23:31040
  Transition density of octupole vibration in ^{208}Pb determined by electron scattering, 25:1749
HEISENBERG, W. Fifty years of quantum theory, 21:46434 (N-67-23082)
  Introduction to the unified field theory of elementary particles, 21:29634
  Nonlinear spinor theory of elementary particles, 23:15004
HEISER, A. Max Photoelectric observations of 4 Canum Venaticorum, 22:49911
HEISER, C. Decay of 32 msec isomer of /sup 194m/Ir, 22:42044
  Highly excited isomeric state in ^{117}Sb, 24:38282
  Highly-excited isomeric nuclear state in ^{133}Xe, 21:23512
  Isomer in ^{117}Te, 23:13281

Isomeric states in ^{187}Au and ^{189}Au, 21:23511
Thermal neutron activation cross sections for the isomeric states in odd indium isotopes and the j-selection rule, 22:26935
HEISER, W. Gamma encephalography using pertechnetate-99m, 22:25934
HEISER, W. H. Magnetohydrodynamic experiments using transparent electrolytes, 22:15401
HEISER, William J. Radiotherapy in treatment of brain tumors, 21:34691
HEISKALA, V. Mercury Rankine program integrated system test data correlation, 21:1524 (NAA-SR-11945(Vol.2))
HEISKALA, V. H. Expansion of mercury vapor, 21:19366 (NAA-SR-12049)
HEISKANEN, T. Effect of plasma iodide concentration upon thyroidal iodide uptake, 23:29330
Intra-articular administration of radioactive gold, 22:14958
HEISKANEN, Timo Method for the quantitative evaluation of radioisotope renograms, 23:6501
HEISKELL, R. H. Design of roof washdown systems, 21:10561 (USNRDL-TR-1064)
HEISLER, A. G. Chemical radioprotection with N- and S-containing polymers, 25:42517
HEISLER, L. H. Divergence of radio rays in the ionospheric medium, 21:43897
HEISLER, R. Comparisons between calculated ionospheric absorption and riometer measurements, 25:9289
Removal of errors from monthly median absorption curves, 22:47999
Riometer quiet day curves, 22:2952
HEISLER, Rodney Intrepretation of cosmic radio-noise adsorption measurements, 25:9337
HEISS, A. Influence of strong magnetic mirrors on the stability and containment of a theta-pinch plasma, 22:1138 (LA-3770, Paper D7)
Interferometric measurements at ISAR I, 21:37416 (IPP-1/64)
Investigations on the system U—O—C, 21:9247
HEISS, D. Two channel N/D calculation of p_{11} partial wave of π N scattering at low energies, 21:17117
HEISS, J. Rat mandible following maximum irradiation, 23:43799
Treatment of osteoradionecrosis, 23:29594
HEISS, Klaus-Peter Econometric study of small and intermediate size diameter drilling costs for United States, 23:486 (PNE-3012(Vol.1))
Economic potentials of natural gas production stimulation by nuclear explosions, 21:43080 (PNE-3007)
Economics of the peaceful uses of undergound nuclear explosions, 21:39072 (PNE-3005)
Technical and economic potentials of shale oil production by nuclear explosives, 21:43079 (PNE-3006)
HEISS, P. Calculation for $^{3}/_{2}^{+}$ resonance of ^{5}He, 24:13267 (BMwF-FBK-69-38)
Calculation for ^{5}Li $^{3}/_{2}^{+}$ resonant state, 24:8838
Helium-5 scattering states in refined cluster function representation, 24:11048
Lithium-5 resonances above ^{3}He-d threshold, 25:31195
Microscopic calculation for n—^{3}H scattering, 25:31193
Reactions in ^{5}He system, 24:45727
Reactions in the even parity states of ^{6}Li, 24:38124
Treatment of nuclear reactions by Kohn's variational principle, 24:49951
Two-channel calculation for elastic α—α scattering, 25:43784
HEISS, Peter Mathematical aspects of refined cluster functions. II, 24:11047
HEISS, V.-D. Evaluation of gamma camera scintigrams using milti-canal-storage, computers, and color television systems, 23:50715
HEISS, W. D. Analytic continuation of a Lippmann—Schwinger kernel, 24:30940
Discrepancy between multichannel ND^{-1}-amplitude and corresponding one-channel amplitude, 22:9707
Effective single-particle potential, 25:46115
Properties of kernel of three-body Lippmann—Schwinger equation, 23:7354
Treatment of Lippmann—Schwinger equation for two interacting particles in potential. II, 23:40156
Treatment of two interacting particles in a potential with the Lippmann—Schwinger equation, 23:11073
HEISTEK, L. J. Pulse shape discrimination, 24:29548
HEIT, H. Radiation-induced bone marrow degeneration, 24:14592
HEIT, Hildegard Hematopoietic death in conventional and germfree mice, 24:12289
HEITCHUE, Regis D. Jr. Space systems technology, 22:27527
HEITKAMP, D. Kinetics of radioinduced hydrogen abstraction from thymine, 22:33384
Kinetics of radioinduced hydrogen cleavage from uracil, 22:45446
HEITMAN, G. H. Effect of beta forging on several titanium alloys, 22:45768
Fracture toughness of high-strength Ti alloys, 22:45769
HEITMANN, D. Investigation of Cherenkov radiation by 50 keV electrons in thin silicon foils, 25:43429
HEITMANN, H. G. Methods and developments in condensate and feed water conditioning, 24:22399
HEITMANN, H. J. Effect of ionizing radiation on histamine, 22:12795
X ray therapy of eczemas, 23:20403
X-ray inactivation of histamine, 23:798
HEITMANN, Hans-Joachim Experimental studies of radiation protection through tryptamine, 25:29566
Radioprotective action of cysteine and cysteamine, 24:21214
X-ray induced inactivation of Bradykinin, 22:47466
HEITMANN, W. Production and properties of vacuum evaporated films of thorium fluoride, 22:14492
HEITNER, C. Deuterium isotope effect on the racemization of a highly hindered biphenyl derivative, 21:71
HEITOWIT, Ezra David Kinetic model for an inhomogeneous plasma, 25:56248
HEITZ, Ch. Chemical consequences of isomeric transition /sup 133m/Xe $\rightarrow$ ^{133}Xe in xenon trioxide, 24:50438
Chemical consequences of reaction $^{238}U(n,\gamma)^{239}U$, 25:57488
Effects of ^{60}Co γ radiation on Xe trioxide in aqueous solutions, 25:13049
Isotope effect in the retention of radioxenon in neutron-irradiated aqueous xenon trioxide, 25:15707
Szilard—Chalmers effect on xenon trioxide in aqueous solution, 24:16580
HEITZ, Charles Chemical effects of /sup 197m/Hg—^{197}Hg isomeric transition in dimethylmercury, diethylmercury, and diphenylmercury, 21:40901
Effect of γ radiation on pure dimethylmercury diethylmercury and their benzene solutions, 22:10294
Szilard—Chalmers effect on dimethylmercury, diethylmercury, and diphenylmercury in pure state and in benzene solution, 21:40902
HEJJ, Attila Conditions of settlement of nuclear power plants, 21:35611
Overview of reactor accidents, 23:37558 (NP-17851, pp 15-24)
Safety evaluation of reactor sites, 23:37381 (NP-17851, pp 73-100)
HEJJ, Attilla Effect of nuclear power plants on their environment, 21:46872 (ORNL-tr-1773)
HEJL, V. Thermodynamic conditions of the origin of uraninites, 25:18551
HEJL, Z. Isotope renography in diagnosis of renovascular hypertension, 23:29653
HEJNA, J. Acidic organophosphorus extractants. IV, 22:33512
HEJNA, Jaroslava Solvent extraction adduct metal β-diketonates with tributylphosphate, 24:9474
HEJTMAN, J. New technique for investigating radiometric contrast in mined uranium ores, 25:15797
HEJTMANEK, H. Ergodic theory and discrete transport processes, 22:37273 (AD-664026)
Induced and spontaneous mutations in dermatophytes, 22:31023
Monte Carlo program for determination of energy spectrum of photoneutron sources, 23:5754
Monte Carlo program for the time-dependent neutron transport for thermal pulses in light water, 21:25670
Perturbational aspects of the linear transport equation, 24:30419
Semigroups generated by Boltzmann operator, 23:39525
HEJTMANEK, H. J. Approximation of linear transport processes, 24:20043
Spectral properties of linear Boltzmann operator, 25:45519 (AD-718865)
HEJTMANEK, Hans Collective effects and ergodicity of the transport equation, 21:21405
Time behavior of a reactor and ergodic theory of semigroups, 21:44528
HEJTMANEK, J. H. Asymptotic behaviour of neutron transport processes, 22:30375
HEJTMANEK, K. Combustion-engine wear studies by a radioactive tracer technique, 22:14687
HEJTMANEK, M. Genetic basis of virulence in dermatophytes, 25:13427
Radioinduced mutations in dermatophytes. II, 22:31028
Radioinduced mutations in dermatophytes. I, 22:45474
Radioinduced mutations in dermatophytes. III, 23:26733
HEJTMANKOVA-UHROVA, Nora Radioinduced mutations in dermatophytes. II, 22:31028
Radioinduced mutations in dermatophytes. I, 22:45474
Radioinduced mutations in dermatophytes. III, 23:26733
HEK, Li-mang Efficient thorium and rare earth extraction from monazites by alkali treatment, 21:25954
HEKELA, J. Study of planetary nebula NGC 1514. II, 21:36983
HEKHUIS, Gerrit L. Some effects of macrofractionated gamma ray irradiation upon the rhesus primate, 21:20369
HEKIMYAN, G. A. Superhigh-energy particle detector based on using the radiation of a particle in a laminar medium, 25:18781
HEKKALA, Barney Process radiation monitoring system for large PWR's, 24:46026
Radiation monitoring, 25:60120
HEKMAN, H. Treatment of radioactive waste in practice, 21:1545
HEKRDLE, J. Digital photometer for film badge dosimeter, 21:43276
HEKRDLE, Jan Nomograph for determination of the optimum measuring time of radio-active samples, 23:35471
HEKSTRA, G. Mutation breeding in bulbous iris, 23:41290
HELA, Ilmo Concentration factors for radioactive substances in aquatic organisms, 21:22370
HELANDER, E. Radiation risks after local fallout, 23:20196 (CONF-680507-, pp 376-83)
HELANDER, Elisabeth Decay of ^{127}Sn isomers, 25:17864 (NP-18596)
HELARY, Jean-Louis Manufacturing of metals and alloys, 25:40008
HELB, H.-D. Elastic scattering of ^{16}O on ^{9}Be, ^{10}B, and ^{12}C, 23:10950
Modified McIntyre model analysis of heavy ion elastic scattering at medium energies, 24:49732
Modified-McIntyre-model analysis of heavy-ion elastic scattering at medium energies, 23:39953
Search for structure in excitation functions of reactions $^{12}C + ^{12}C$ and $^{14}N + ^{10}B$, 24:49733
Transfer reaction by the bombardment of ^{10}B with ^{16}O and ^{14}N, 23:13213
HELBERG, Marlies Effects of x radiation on early postnatal development of mice, 25:32533
HELBERT, Jean-Marie Isotopic shift constant of Nd, 25:33069
Specific displacement and deformation coefficient of neodymium isotopes, 22:34251
HELBIG, H. F. Elastic H^{+}—He differential scattering cross sections, 24:45049
HELBIG, Herbert F. Measurements of close encounters in H-on-H, H-on-H_2, and H^{-}-on-H collisions, 22:13235
HELBIG, Herbert Frederick Measurements of resonant electron capture in close H^{+}-on-H collisions, 22:2815
HELBIG, W. Background subtraction and compensation of changes in counting rate, 23:20012
Distribution measurements for testing new devices of insecticide and fungicide spreading, 22:6747
Homogeneity of fodder mixtures in their industrial production, 22:14919
HELBIG, Werner Syntropy of leukemia and carcinoma, 21:22613
HELBIG, Wolfgang Soil density measurements with gamma rays, 21:36418
HELBING, R. Effective collision cross sections in scattering experiments, 25:49736 (MLM-1841(TR))
Scattering cross sections for collisions of H_2, D_2, and He with Ne, Ar, Kr, and Xe in thermal range, 22:5092
HELBING, R. K. B. Crossed-beam study of ionization of Cs by Br_2, 23:41963
Quenching of glory undulations: breathing sphere model, 24:1293
HELBING, Reinhard K. B. Additional quantum effects in atom—atom scattering, 23:12577
Alkali—alkali glory scattering in $^{3}\Sigma$ state, 23:10457
Fast alkali neutral source, 23:12525
Glory scattering of Li by series of molecules. II, 23:27366
Glory scattering of Li by series of molecules. III, 24:47030
Glory scattering of lithium by series of molecules. I, 23:8467
Measurement of Li—Hg total cross section at very low energies, 21:33147
Quenching of glory undulations for scattering from polyatomic molecules, 24:47031
Scattering of Li by series of molecules. IV, 24:49029
Transformations and averaging processes for differential cross-section measurements at thermal energies, 22:17406
HELBING, Thomas J. Sewage sludge conditioning and disinfection by gamma irradiation, 24:23188
HELBING, W. Late sequelae in the region of the urinary system after gynecologic radiotherapy, 23:33891
HELBLING, W. Deformation of fuel element boxes in gas-cooled fast breeder reactors due to neutron irradiation induced swelling of steel, 25:51102
Integrated and pressure tube design for a gas cooled, heavy water moderated reactor, 23:28429
Parametric studies of gas cooled fast reactors, 23:17204
Pressure tubes for nuclear reactors, 24:2073
HELBLING, Willy Method and apparatus for extracting and using the heat of a nuclear reactor, 22:14365
HELCKE, G. A. Electron spin resonance studies on radicals produced from organic inclusion compounds by electron bombardment, 23:31365 (EUR-4233)
ESR study of allyl-type radicals in irradiated thiourea adducts of cycloheptane and cyclohexene, 24:11638
ESR study of radical formed on electron irradiation of mesitylene adsorbed in a molecular sieve, 23:40714
HELD, A. Behaviour of free electrons and positrons within a closed metallic container, 22:29651
Lorentz group and the sphere, 25:7715
Scattering of protons from ^{3}He and ^{4}He, 25:14882
HELD, Andrew M. Electrothermal atomization for atomic absorption analysis, 23:61
HELD, Bruce J. Guide for determining specifications in the use of acoustical tile, 22:3970 (IDO-12016)
HELD, C. NA-2 design: 300 MWe German FCR, 22:16187
Pressure-proof completely enclosed reactor containment structure, 22:18643
HELD, Chr Reactor strategies from the point of view of trace policy, 22:30204
HELD, Christian Nuclear energy in the world: a critical analysis in the year 1967, 22:42271
HELD, E. E. Atoll soil types in relation to the distribution of fallout radionuclides, 23:9540 (UWFL-92)
Silver-108m in biota sediments at Bikini and Eniwetok Atolls, 25:42377
HELD, Edward E. Gamma dose rates at Rongelap Atoll, 1954—1963, 23:12076 (UWFL-91)
Nickel-63 in marine and terrestrial biota, soil, and sediment, 23:29490
Prog. rpt. on Amchitka radiobiological program, 7/70—4/71, 25:52045 (NVO-269-11)
HELD, F. Irradiation of the parametrium and lymphatic system of the female genital tract in operable carcinoma, 21:18111
Radiotherapy of breast carcinoma, 22:10793
HELD, G. Definition of relaxation and correlation time in nuclear magnetic resonance experiments, 22:17748
HELD, H. R. Preparation of ^{14}C-labeled tuberculin purified protein derivative, 21:45554
HELD, Herman Ion sampling through the anode and cathode of a DC discharge, 24:1404
Measurements of ionic species present in rf discharges of Ar and Ar—Cs, 23:30529
HELD, J. Silicon heavy ion detectors in high radiation fields, 24:36583
HELD, James L. Instrumentation for OSO-IV charged particle experiment, 24:22990 (UCRL-50745)
HELD, Kalman Use of nuclear radiation in preparation of optical maser materials, 22:29543 (NYO-3330-18)
HELD, Manfred Structure of the detonation front, 25:20866 (LA-tr-71-4)
HELD, Peter C. Hemispherical spectral emittance of U oxides, 23:27170
HELD, Peter Christian Emittance of uranium oxides, 21:43656 (IS-T-181)
Emittance of uranium oxides, 22:36486
HELD, S. A new description of the gadolinium spectra in the photographic infrared, 24:19665

- Description of the erbium spectra in the photographic infrared, 25:40356
- Differentiation between Ho I and Ho II spectra using dc arc as excitation source, 22:42651 (IA-1162)
- New even levels of Er I, 25:40358
- HELD, W. Overlap probability of flaws in a laminated dielectric, 21:32078 (AWRE-Trans-53)
- HELD, W.-D. Cross sections for vibrational quantum transitions in collisions of Li$^+$ with H$_2$, 24:49028
- HELDER, J. C. Hyperon—nucleon interaction at low energies, 23:34622
  - Low-energy Σ-nucleon scattering, 24:47474 (CONF-690557-(Vol.2), pp 842-51)
  - Nijmegen PEPR status, 23:16153 (CONF-680628-, pp 59-71)
- HELDT, E. Mass-spectrometric identification of tinorgano radiolytic products, 21:10398
- HELENBERG, H. W. Planar pair geometry for Ge(Li) detectors, 24:39325
- HELENE, Annie Reactions of electrons with divalent metal salts, 24:13971
- HELENE, Claude Reactions of electrons with divalent metal salts, 24:13971
- HELF, S. Energy and angular distribution of neutrons and γ rays: Operation Bren, 21:20164 (CEX-62.12)
- HELF, Samuel Environmental radioactivity measurements in Picatinny Arsenal area, 1963—1966, 21:43046 (AD-651495)
  - Inspection of hand grenade fuse delay element by a radioactive tracer technique, 25:6476
  - Measurement of low concentrations of moisture by fast neutron moderation, 23:29244
  - Use of a sealed tube neutron generator for quality control in explosives by fast neutron activation analysis (FNAA), 25:48471 (CONF-710402-(Vol.3), pp IV.11-17)
- HELFAND, Eugene Statistical properties of waves in a random medium, 23:34481
- HELFANT, M. A. Heat transfer to mercury, 24:4406
  - Heat transfer to mercury flowing in-line through an unbaffled rod bundle: effect of rod displacement on local surface temperature and local heat flux, 24:46422
  - Heat transfer to mercury flowing in-line through an unbaffled rod bundle: experimental study of the effect of rod displacement. I, 25:23734 (CONF-681209-4)
- HELFER, H. Space-sensitive parallel-wire counter system, 23:41011
- HELFER, H. L. Abundances in K-giant stars. II, 22:45851
  - Some instabilities of noncircular motions in the galaxy, 21:31164
  - Some properties of K-giant field stars, 24:8230
  - UBVRI photometry of North Galactic Pole K giants, 25:6963
  - Upgren's unclassified stars: new type of G-giant star, 25:32891
- HELFER, Paul G. Precise timing system for pneumatically transferred samples, 25:51185
- HELFFERICH, F. Ion-exchange separation of rare-earth mixture, 23:7590 (CONF-681020-(Vol.1), pp 397-412)
  - Rare-earth separation by displacement development, 24:11684
- HELFRICH, F. Plain and antifriction bearings for extreme reactor conditions, 21:12260 (AEC-tr-6839(Pt.2))
- HELFRICH, Philip Prog. rpt. on an ecological reconnaissance of Johnston Island, 8/63—8/64, 21:23793 (NVO-90-1)
- HELGASON, Agust H. Effect of radiation on lung, 24:21310
- HELGASON, Sigurdur Lie groups and symmetric spaces, 24:33030
- HELGESON, G. L. Cesium-137 body burdens and biological half-life in children at Tampa, Florida, and Lake Bluff, 23:31770
  - Maximum permissible lung burden of uranium mixtures, 24:2665
- HELGESSON, Claes I. Ceramic-to-metal bonding, 22:49779
  - Investigation of the bonding mechanism between metals and ceramics. I and II, 21:34947
  - Investigation of the bonding mechanism between metals and ceramics, 22:23895
- HELGSTRAND, Erik Primary H isotope effects in the nuclear bromination of 1,3,5-trimethoxy-2-methylbenzene and 1,3,5-trimethoxy-2,4-dimethylbenzene, 21:5876
- HELHOLTZ, J. Fast technique for J-function averaging, 22:33136
  - Prog. rpt. on fast breeder reactor static physics, 10—12/67, 22:18356 (BAW-3867-2)
  - Resonance integral calculations treating overlap and interference, 22:5714
- HELL, August Atomic-absorption flame spectrophotometry, 24:41206
- HELL, K. Diagnostic value of gastric scintigraphy, 23:48094
- HELLAND, J. Analysis of negative-pion photoproduction near the P_{11} resonance: test of the ΔI less than or equal to 1 rule and time-reversal invariance, 25:14566
- HELLAND, J. A. Experimental test of time-reversal invariance in the photodisintegration of the deuteron, 24:1507 (UCRL-19350)
  - Isospin invariance in reaction $np \rightarrow \pi^0 d$, 25:59268
  - K$^+$-meson branching-ratio measurement, 23:42547
  - Reaction $\pi^+ p \rightarrow p\pi^+\pi^+\pi^-\pi^0$ at 18.5 GeV/c, 24:45440
- HELLAND, Jerome A. Experimental determination of Rexi from K/sub $\mu 3/^0$ decay, 22:39243
  - Experimental evidence against the existence of strange leptons, 22:39244
  - Muon polarization in K/sub $\mu 3/^0$ decay, 23:36826
  - Muon polarization in neutral-kaon (3) decay, 23:25499 (AD-677064)
  - Nucleon—nucleon polarization between 300 and 700 MeV, 22:5503
  - Test of time-reversal invariance in K/sub $\mu/_3{}^0$ decay, 21:27297
  - Time-reversal invariance in reaction $n + p \rightarrow \gamma + d$, 25:40868
- HELLAWELL, A. Nucleation of Al grains in alloys of Al with Ti and B, 24:19463
- HELLBERG, M. A. Computer simulation of the plasma resonance probe, 23:12768
  - Model Fokker—Planck equations. III, 23:12847
- HELLBORG, R. Studies of carbon content of steel by proton activation analysis, 25:2147
- HELLEBOID, J. M. Telescope with semiconductors for simultaneous study of (n,p), (n,d), and (n,t) reactions at 14 MeV, 21:45366 (LYCEN-6738, pp 201-4)
- HELLEBOID, Jean-Marie Development of a semiconductor telescope with low background for study of charged particles from neutron reactions, 22:23263 (CEA-R-3378)
  - Position-sensitive detectors for charged particles, 22:23260 (CEA-Bib-102)
- HELLEDAY, E. Study of the precise determination of macroamounts of plutonium in solution by three electrometric oxidation—reduction titration methods, 25:10445
- HELLEINER, C. W. Simple method for counting ^{14}C- and ^{3}H-proteins in polyacrylamide gels, 25:28994
- HELLEMANS, Louis Description of a technique for irradiation of gases by electrons at 10- to 100-keV, 21:3101
- HELLEMANS, R. Adsorption of He, Ar, and N on graphite, 23:14406
- HELLEN, T. K. Economical computer techniques for solid finite elements, 23:17715 (RD/B/N-1217)
  - Solid wedge finite element for stress analysis, 23:29041 (RD/B/N-1305)
- HELLENS, R. L. Comparative analysis of some graphite and water moderated reactor lattices, 21:30250 (BNL-11353)
  - Effect of resonance overlap on ^{238}U capture in reactor lattices, 22:33009
  - Interpretation of power coefficients measured in operating reactors, 24:7035
  - Method of analyzing in-core detector data in power reactors, 24:7033
  - Systematic study of thermal-reactor benchmark experiments, 24:7229
- HELLENTHAL, Wolfgang Cobaltron II, ^{60}Co-shortdistance-therapy unit, 22:45651
- HELLER, Carl G. Action of radiation upon human spermatogenesis, 22:6877
  - Effects of ionizing radiation on testicular function of man, 23:35915 (RLO-1780-24)
  - Prog. rpt. on effects of ionizing radiation on testicular function of man, annual, 6/66—5/67, 21:26561 (RLO-1780-22)
  - Prog. rpt. on effects of ionizing radiation on testicular function of man, 5/70, 24:41996 (RLO-1780-26)
  - Prog. rpt. on effects of ionizing radiation on the testicular function of man, annual, 8/70—7/71, 25:42674 (RLO-1780-32)
  - Prog. rpt. on effects of radiation on the testicular function of man, annual, 1968, 23:2963 (RLO-1780-23)
- HELLER, Donald F. Relaxation of asymmetric stretching vibration of CO$_2$ by collisions with H$_2$O, D$_2$O, and HDO, 24:22660
- HELLER, F. Amounts of fission product nuclides produced in ^{239}Pu-fueled fast reactors and related heat generation after shut-down, 23:23912 (KFK-722)
  - Double containment and behavior of aerosols in relation to safety of reactors, 22:53353
  - Longitudinal beam rf field interactions in a linear accelerator cavity of high Q-value, 24:37991 (NP-18296)
  - MUNDO: code for computing accident dose rates in reactor environs, 22:33089 (EURFNR-461)
  - MUNDO: digital program for calculation of accidental dose in neighborhood of reactor site, 22:16708 (KFK-653)
  - Non resonant beam break-up effects in superconducting structure, 24:10879
  - Principle of double containment and behavior of aerosols in its relation to safety of reactors, 22:7805 (EURFNR-425)
  - Safety aspects of steam cooled fast breeder reactors, 21:44847 (KFK-613)
  - Safety aspects of steam-cooled fast breeder reactors, 22:53365
- HELLER, Gerhard B. Conference on thermophysics and temperature control of spacecraft and entry vehicles, Monterey, Calif., 9/65, 21:17780
  - Thermophysics of spacecraft and planetary bodies, 23:3168
- HELLER, H. C. Reactions in solid barium methacrylate dihydrate induced by hydrogen- and deuterium-atom bombardment, 24:27043
- HELLER, J. Renal excretory mechanisms of heavy metals. I, 23:50324
- HELLER, J. A. 300-kWe Rankine cycle advanced nuclear—electric space power system, 25:44173
  - Reactor Brayton cycle systems for space electric power generation, 25:41581
- HELLER, Jack A. 300-kW Rankine-cycle advanced nuclear—electric space-power system, 24:16257 (N-70-11975)
  - Rankine cycle power systems technology, 24:25199 (NASA-SP-5057, pp 35-89)
  - Status of advanced Rankine power conversion technology, 25:41580
- HELLER, L. Analytic continuation of Laplace transforms by means of asymptotic series, 21:40292
  - Optical analysis of potential well resonances, 21:12108
  - Optimum system for satisfying a given demand on fresh water and electric power, 23:49629
  - Proceedings of the international clay conference, Jerusalem, 6/66. II, 21:40873
  - Proceedings of the international clay conference, Jerusalem, 6/66. I, 21:40874
- HELLER, L. W. Motion of subsurface soil inclusions subjected to surface blast loading, 21:1536 (AD-640440)
- HELLER, Leon Can an electromagnetic violation of time-reversal invariance be observed in low-energy nuclear processes, 25:47925
  - Characteristics of proton—proton interaction from data below 30 MeV, 25:9814
  - Interaction of two nucleons at low energies. $I = 1$, 21:37850
  - Proton—proton P-wave phase shifts at low energies, 24:6715
  - Soft-photon theorem for bremsstrahlung in a potential model, 23:3672
- HELLER, M. Mach's principle and differentiable manifolds, 24:37925
  - Two trials of Mach's principle realization, 24:37926
- HELLER, M. W. X-ray study of the mercury—indium alloy system, 24:10110
- HELLER, Michal Construction of a relativistic model of the Universe, 25:35806
- HELLER, Mortimer B. Genetically significant dose from diagnostic radiology, 22:28532
  - Genetically significant dose from diagnostic radiology in New York City physicians' offices, 22:38323
- HELLER, S. Software for a spark chamber reader system, 21:28200 (BNL-977)
- HELLER, Sidney Design of multiple computer system with extended core storage, 21:42844 (BNL-11516)
  - FORTRAN for Brookhaven's CDC 6600 computer, 21:38814 (BNL-11584)
  - Spark chamber reader system, 21:3239 (BNL-969)
- HELLER, Siegfried Mechanical hardening of rock salt with γ radiation, 21:5931
- HELLER, W. Influence of additions of a third element on the critical magnetic field of titanium—niobium alloys, 25:43309
- HELLER, W. R. Cohesion of ionic crystals of alkali metal and noble gas atoms, 22:7373
- HELLER, Wolfram Superconductivity and metallurgical problems with Ti—Nb alloys, 25:11416
- HELLERSTEIN, Lewis J. Intracorporeal vascular prosthetic blood irradiator, 24:36794
  - Study of human radiation sensing and dark adaptometry using x-rays, 25:27039
- HELLEWELL, A. B. Post-irradiation properties of cultured Chinese hamster cells, 24:9938
- HELLEWELL, Andrew B. Phenotype and karyotype of a cultured Chinese hamster cell line defective for ultraviolet light resistance, 23:22256
- HELLGREN, Lars Treatment of radiation dermatitis with bethamethasone-17-valerate, vaseline, and eucerine, 22:28618
- HELLICAR, N. J. Yttrium oxide films prepared by electron-beam evaporation, 25:22159
- HELLING, G. Angular momentum dependence of the optical potential in heavy-ion scattering, 25:50831
  - Nuclear molecules formed in elastic ^{16}O + ^{16}O scattering, 25:28171 (CERN-70-30(Vol.1), pp 601-2)
- HELLING, Robert B. Recognition of altered deoxyribonucleic acid in recombination, 24:7744
- HELLING, Sharon A. X-ray detection by the olfactory system: ozone as a masking odorant, 21:3437
  - X-ray detection: interchangeability of ozone and x-ray as conditional stimuli, 22:28282 (NYO-2147-13, pp 182-92)
- HELLINGER, H. Experiments for a new control rod concept for the pebble bed reactor, 24:38393 (JUL-622-RG)
- HELLINGER, O. Electron spin resonance of free radicals in x-irradiated cholesterol, 23:43359
- HELLINGER, Otto Radiation induced free radicals of cholesterol in liquid phase, 24:16612
- HELLINGMAN, P. Arc stabilization with a forced vortex, 23:46465
- HELLINGS, R. D. Electroproduction of π^0 mesons in the region of the first pion—nucleon resonance, 25:50048
- HELLIWELL, J. B. Cylindrical shock and detonation waves in magnetogasdynamics, 24:12675
  - Ionizing detonation waves in transverse electromagnetic fields, 23:12870
  - One-dimensional steady magnetogasdynamic flow in oblique field and the structure of shock waves, 22:52609
- HELLIWELL, R. A. Banded chorus: new type of VLF radiation observed in magnetosphere, 23:30427
  - Formation by electric fields of field-aligned irregularities in the magnetosphere, 25:38267
  - Intensity of discrete VLF emissions, 24:42596
  - Latitudinal cutoff of vlf signals in the ionosphere, 23:25229
  - Low-frequency noise in distant magnetosphere, 24:21685
  - Low-frequency waves in the magnetosphere, 23:30445
  - Prog. rpt. on wave particle interactions in magnetosphere and related phenomena, final, 3/66, 21:677 (AD-632266)
  - Prog. rpt. on whistler propagation and vlf emission generation, final, 1/67, 22:1042 (AD-648675)
  - Progress in magnetospheric radio, 21:5165
  - VLF emissions, 24:37354
  - VLF studies of magnetosphere, 25:9325
  - Whistler-mode emissions, 24:6426
  - Whistlers and VLF emissions, 23:44267
- HELLIWELL, Robert A. Mechanisms of emission generation and whistler propagation, 25:47386 (AD-717781)
  - Mechanisms of whistler propagation and vlf emission generation, 22:36798 (AD-666648)
- HELLIWELL, William Stanley Asymptotic behavior of the solution to a nonlinear system of integrodifferential equations occurring in reactor dynamics, 25:6180
- HELLMAN, A. Comparative physiology of L-M cells propagated in vitro and in female and male mice, 23:10092

  - Effects of chronic exposure to artifical smog and chromium oxide dust on the incidence of lung tumors in mice, 24:27675 (CONF-691001-, pp 305-20)
  - Survival and interferon levels in x-irradiated viral infected mice, 22:51999
- HELLMAN, Erik Control rods for nuclear reactors, 23:40473
- HELLMAN, K. B. Comparative physiology of L-M cells propagated in vitro and in female and male mice, 23:10092
  - Enhancement of viral transformation by ultraviolet light, 25:13552
- HELLMAN, M. Y. Etching of irradiated polyethylene with fuming nitric acid, 22:12380
  - Radiation crosslinking of hydrogenated polyethylene, 22:37783
  - Radiation-induced crosslinking of paraffins, 23:19786
- HELLMAN, S. Kinetics of circulating haemopoietic colony-forming units, 24:12249
- HELLMAN, Samuel Carcinoma of the tongue and floor of the mouth, 23:35916
  - Effects of radiation on capacity of stem cell compartment, 23:38786
  - Erythropoiesis in preirradiated recipient mice, 22:23419
  - Hematopoietic stem cell compartment: patterns of differentiation following radiation or cyclophosphamide, 25:16339
  - Production of progeny by transplanted bone marrow in irradiated mice, 21:41454
  - Radiation fractionation applied to murine cells, 24:12301
  - Studies on dose fractionation as measured by endogenous spleen colonies in the mouse, 22:28697
  - X-ray and alkylating agents alter differentiation of surviving hematopoietic stem cells, 25:42661
- HELLMAN, W. S. Schwinger terms from local currents, 22:9677
  - Spectral representations for simple quantum-mechanical systems, 21:42230
- HELLMANN, H. Determination of metals in river sludge by means of x-ray fluorescence and its application in actual practice, 25:54408
- HELLMANN, R. J. Mass spectrometric determination of ^{234}U in UF$_6$ samples, 21:38874 (NLCO-1001, pp 2.1-3)
- HELLMERICHS, Klaus Instrumentation and process control for Obrigheim nuclear power plant, 22:14190
- HELLMOUTH, O. Sodium—lithium point cloud payload, 21:24257
- HELLNER, L. Alloy steels for pressure vessels, 22:31370
- HELLNER, L. I. Forgeable corrosion-resisting steel with high neutron-absorption capacity, 22:642
- HELLNER, Lucette Reactions of H and deuterium formed in photolysis of methane and perdeuterated methane, 25:54573
- HELLRIEGEL, W. Clinical considerations of radiation protection in the handling of open radioactive material, 25:35150
  - Postoperative irradiation of breast cancer by fast electrons, 25:35191
- HELLRIEGEL, Werner Histology and radiation sensitivity, 22:51755
  - Hypopharynx carcinoma, 22:51733
  - Soft tissue sarcomas, 22:51716
- HELLSTRAND, E. Capture cross section of ^{237}Np and ^{241}Am in different reactor spectra, 25:10019 (BNL-50242)
  - Doppler coefficient and reactivity effect of polythene in some fast reactor spectra, 22:35651
  - Experimental and theoretical work at zero-energy fast reactor FRO, 21:35673 (ANL-7320, pp 159-84)
  - Measurement of effective capture-to-fission ratio in ^{239}Pu and ^{235}U in two different fast reactor spectra, 22:35650
  - Organic-cooled heavy-water-moderated ^{233}U-fueled lattice experiments, 21:8101
  - Organic-cooled, heavy water-moderated, ^{233}U fueled lattice experiments, 21:19457 (BNL-50012)
  - Studies of Doppler effect, control rod worths, and fission product cross sections in some fast neutron spectra, 24:22456
- HELLSTRAND, Eric Fast reactor physics at Studsvik, 23:43168
- HELLSTROEM, I. Allogeneic inhibition of transplanted tumor cells, 23:22227
  - Syngeneic preference and allogeneic inhibition, 21:22674
- HELLSTROEM, J. Analysis of reaction ^{31}P(p,p$_0$) in energy range 8.0 to 10.0 MeV, 24:10914 (ANU-P-476)
  - Angular distributions of gamma rays following ^{64}Ni(p,nγ)^{64}Cu reaction, 24:10942 (ANU-P-473)
  - Angular distributions of gamma rays following ^{64}Ni(p,nγ)^{64}Cu, 24:38193
  - Compound and direct processes in proton elastic scattering from ^{31}P and ^{62}Ni, 23:32909 (ANU-P-442)
  - Compound and direct processes in proton elastic scattering from ^{31}P and ^{62}Ni, 23:40017
  - Evidence for and interpretation of the selective occurrence of intermediate structure in excitation functions from reaction ^{23}Na(p,p')^{23}Na, 24:1776 (ANU-P-467)
  - Intermediate structure in compound nucleus ^{24}Mg, 24:10939 (ANU-P-457)
  - Level widths in compound nucleus ^{32}S from the reaction ^{31}P(p,p$_0$), 23:13224 (ANU-P-418)
  - Level widths in compound nucleus ^{32}S from reaction ^{31}P(p,p$_0$), 23:17096
  - Low-lying levels and decay structure in nucleus ^{62}Cu, 24:28730 (ANU-P-485)
  - Low-lying levels and decay structure in ^{62}Cu, 25:14940
  - Reaction ^{23}Na(p,p) in range 8.0 to 12.0 MeV. I, 23:32908 (ANU-P-426)
  - Reaction ^{23}Na(p,p) in range 8.0 to 12.0 MeV. I, 23:40008
  - Reaction ^{23}Na(p,p) in range 8.0 to 12.0 Mev. III, 24:10944 (ANU-P-477)
  - Reaction ^{23}Na(p,p) in the range 8.0 to 12.0 MeV. II, 24:20369
  - Reaction ^{23}Na(p,p). III, 24:38153
  - Reaction ^{31}P(p,p$_0$), 24:35845
  - Spin of 426-keV level in ^{62}Cu, 24:1777 (ANU-P-470)
  - System for detecting coincidences between a large number of counters using a minimum of electronics, 25:32248
- HELLSTROEM, Jan Analysis of excitation functions using different transforms, 23:23748 (ANU-P-429)
- HELLSTROEM, Jan O. V. Compound nucleus process in reaction mechanism and nuclear structure studies, 24:52472 (NP-18444)
- HELLSTROEM, K. E. Allogeneic inhibition of transplanted tumor cells, 23:22227
  - Syngeneic preference and allogeneic inhibition, 21:22674
- HELLSTROEM, M. Radioprotective agents: further results with amidophosphorothioate and related compounds, 24:6065
- HELLSTROEM, S. EC-decay of ^{170}Tm, 23:30999
  - Use of niobium as neutron dose monitor, 22:28177 (FFN-74)
- HELLSTROM, H. Richard Pathogenesis of hypertension and pathologic changes in experimental renal irradiation, 23:18117
- HELLSTROM, J. Spin of 426 keV level in ^{62}Cu, 24:28741
- HELLSTROM, Richard Effect of laser on carcinoma in man, 21:12917
- HELLUNG-LARSEN, Per Liquid scintillation counting of ^{3}H and ^{32}P RNA in slices of polyacrylamide gels, 25:31835
- HELLWEGE, A. M. Magnetic and other properties of oxides and related compounds. B, 25:33447
  - Magnetic and other properties of oxides and related compounds. A, 25:33446
- HELLWEGE, K. H. Energy levels and interaction between Eu^{3+} ions in Y$_2$O$_3$, 24:42834
- HELLWEGE, K.-H. Magnetic and other properties of oxides and related compounds. B, 25:33447
  - Magnetic and other properties of oxides and related compounds. A, 25:33446
- HELLWIG, B. Experiences with coupled computers to control an HPD, 25:13276 (CERN-70-21(Vol.2), pp 721-7)
- HELLWIG, G. Current-voltage characteristics of secondary electron emission monitors, 21:14448
- HELLWIG, Gerhard Cyclic variation in the radiation sensitivity of rats, 22:38449
- HELLWIG, J. Corticosteroid changes in rats and mice during the first hours following x-irradiation, 25:24054
- HELLWIG, K.-E. Formal description of measurements in local quantum field theory, 24:26486
  - Operations and measurements. II, 24:26491
  - Pure operations and measurements, 23:25688
- HELM, F. Calculation of the sodium-void effect in large carbide cores, 21:35681 (ANL-7320, pp 369-73)
  - Calculation of the sodium-void effect by flux synthesis, 21:38682
  - Experiments on MASURCA, ERMINE, and SNEAK in support of projects PHENIX and SNR, 24:33436
  - Experiments on SNEAK using the method of progressive substitution for critical mass determination in fast systems, 23:4355
  - Physics investigations of steam-cooled fast reactor cores with a Pu-fueled central zone, 25:10258 (EURFNR-848)
  - Physics measurements in SNEAK facility on steam-cooled fast reactor systems with U and Pu fuel, 24:22459
  - Reactor physics parameters of zoned cores, 21:35684 (ANL-7320, pp 403-20)
- HELM, F. H. Activation of gold spheres and foils in nonisotropic neutron incidence, 21:10641
  - Measured physics parameters in a zoned fast U carbide core, assembly 4Z, 21:25711 (ANL-7281)
  - Pulsed neutron experiments in nonmoderating systems, 22:35207
- HELM, Frederick Tumors of skin. XII, 25:58037
- HELM, Friedrich Method of evaluating progressive substitution experiments for the determination of bucklings and critical radii, 23:49652 (EURFNR-684)
- HELM, J. W. Effect of core changes on neutron spectra and material damaging rates, 21:21779
  - Effect of reactor core changes on neutron spectra, 21:21759 (CONF-660511-, pp 6.2.1-10)
  - FTR shield and control-rod materials, 22:15171 (BNWL-641)
  - Graphite irradiations 300° to 1200°C, 23:30196
  - Irradiation effects on thermocouples, 21:20533 (CONF-660511-, pp 7.3.1-5)
  - Irradiation of graphite at temperatures of 300 to 1200°C, 23:39062 (BNWL-1056-A)
  - Irradiation of graphite at temperatures of 300 to 1200 °C, 24:1100 (BNWL-1056-B)
  - Radiation-induced dimensional changes of graphite, 21:46034 (BNWL-CC-399)
- HELM, R. Computer study of wave propagation beam loading and beam blowup in the SLAC accelerator, 21:4146 (SLAC-PUB-218)
- HELM, R. H. Beam break-up at SLAC, 21:46617 (SLAC-PUB-350)
  - Beam breakup, 25:50226
  - Ion loss by electron scattering in compressed electron rings, 22:22491 (SLAC-PUB-386)
  - Particle dynamics, 25:50224
  - Recent beam performance and developments at SLAC, 23:28008
  - Recent beam performance and development at SLAC, 23:34685 (SLAC-PUB-563)
  - Recent developments at SLAC, 22:37234 (SLAC-PUB-420)
  - Recent ideas on upgrading SLAC accelerator, 25:50425
- HELM, T. M. Interstellar reddening of RR Lyrae, 24:27912
- HELM, W. Comparison of pocket ionization chambers and film dosimeters, 23:50193
- HELM, William T. Accumulation of ^{226}Ra in two aquatic ecosystems, 23:17976 (CONF-670503-, pp 307-18)
  - Ecology of threespine stickleback Gasterosteus aculeatus Linnaeus on Amchitka Island, Alaska, 25:49137
  - Freshwater food habits of Salvelinus malma (Walbaum) on Amchitka Island, Alaska, 25:49136
  - Prog. rpt. on Amchitka bioenvironmental program, 7/68—6/69, 24:39454 (BMI-171-127)
  - Prog. rpt. on Amchitka bioenvironmental program, annual, 7/69—6/70, 25:28841 (BMI-171-133)
  - Prog. rpt. on freshwater vertebrate and invertebrate ecology of Amchitka Island, annual, 8/30/67—6/30/68, 25:12871 (BMI-171-104)
- HELMAN, W. P. Effect of deuteration on the fluorescent lifetime of liquid benzene, 23:35095
  - Luminescence decay times of ultraviolet-excited scintillator solutions, 22:28110
  - Reversible precounter for photon counting, 21:36444
- HELMAN, W. Phillip Conference on very early effects, Buenos Aires, 3/70, 24:36267 (COO-38-738)
- HELMER, J. C. Ion gage for vacuum pressure measurements below 1 x 10^{-10} Torr, 21:4682
- HELMER, John C. Method and apparatus for measuring high vacuums, 23:24491
- HELMER, R. Method for generating single gamma-ray shapes for the analysis of spectra, 21:10625
- HELMER, R. G. Analysis of gamma-ray spectra from NaI(Tl) and Ge(Li) spectrometers. Computer programs, 21:10624
  - Coriolis coupling in doubly odd deformed nuclei, 25:43934
  - Decay of ^{102}Rh and /sup 102m/Rh, 23:25911
  - Decay of ^{172}Tm, 22:9896
  - Decay of /sup 115m/In, 21:23526
  - Decay of an isomeric state in ^{178}Hf with K greater than or equal to 16, 22:42057
  - Level structure of ^{182}Ta, 25:43935
  - Levels in ^{182}Ta, 24:47615
  - Levels in ^{183}Ta from decay of ^{183}Hf, 23:37230
  - Linear-motion bent-crystal gamma-ray spectrometer, 21:14431 (IN-1025)
  - Neutron capture gamma measurements with reactor-produced 2-keV neutron beam, 24:47614
  - Numerical construction of level schemes: ^{149}Pm, 23:1911
  - Photopeak analysis program for photon energy and intensity determinations, Ge(Li) and NaI(Tl) spectrometers, 22:2405
  - Precise comparison and measurement of gamma-ray energies with a Ge(Li) detector. I, 24:13358
  - Precise comparison and measurement of gamma-ray energies with a Ge(Li) detector. II, 25:48983
- HELMER, R. J. Simplified passive element arc supply for the duo-plasmatron ion source, 21:25379
- HELMER, R. L. Gamma-ray yields from D(p,γ) ^{3}He, 25:14885
- HELMERS, K. Calculation of resolvent in V THETA sector of Lee model, 25:41075
- HELMHOLZ, A. C. Branching ratio GAMMA(eta $\rightarrow$ 3π^0)/GAMMA(eta $\rightarrow$ 2γ) measured using 4π spark chamber, 22:7425
- HELMHOLZ, A. Carl Pion—proton charge-exchange scattering from 500 to 1300 MeV, 21:29458
- HELMICK, H. H. Los Alamos coupled reactor experience, 21:14046 (LA-3494)
- HELMICK, Herbert H. Fission distribution techniques for Rover reactors, 22:25065 (LA-DC-9412)
  - Summary of coupled Kiwi experience, 21:17511 (LA-DC-8516)
- HELMICK, L. S. Hydrogen—deuterium exchange in some polyazaindenes, 22:6307
- HELMICK, Larry S. Base-catalyzed hydrogen—deuterium exchange of N-substituted pyridinium ions. Inductive effects and internal return, 25:13000
- HELMICK, S. B. Atlas of gamma-ray spectra, 24:26599 (LA-4312)
- HELMINGER, Paul Rotational spectra of NH$_3$ and ND$_3$ in the 0.5-mm wavelength region, 25:57424
  - Submillimeter-wave spectra and equilibrium structures of the hydrogen halides, 25:31922
  - Submillimeter-wave spectra of ammonia and phosphine, 24:9275
- HELMIS, G. Electrodynamics of turbulent moving electrically conducting media with consideration of the hall effect, 25:58849
  - Theory of cosmic radiation of extremely high energy, 23:46297
  - Treatment of neutron transport in nuclear reactors according to the Kikuchi methods, 22:14160
  - Variational principle of the neutron transport theory and pseudoentropy production, 22:7626
- HELMIS, Guenther Nuclear reactor operated with thickened fuel slurries, 21:2858
- HELMKE, P. A. Analysis for rare-earth elements by neutron activation and Ge(Li) spectrometry, 25:46462
- HELMKE, Philip A. Rare earth elements in returned lunar samples, 24:21527
- HELMKEN, H. Gas Cherenkov detector for low energy gamma ray astronomy, 24:27377
- HELMKEN, H. F. Search for discrete sources of cosmic gamma rays of energies near 2 x 10^{12}eV, 23:5143
  - Upper limits to gamma-ray fluxes from three pulsating radio sources, 23:6819
- HELMKEN, Henry F. Low-energy solar and celestial gamma radiation, 24:37279 (AD-701248)
- HELMREICH, D. Influence of vacancies and impurities on order—disorder transition in hexagonal ice Ih, 25:41812
- HELMRICH, Ralph H. Skin dosages in radiation-sparing techniques, 21:36594
- HELMS, H. A. Beta—gamma circular polarization correlation measurements on the decays of ^{203}Hg, ^{199}Au, and ^{141}Ce, 25:43941
- HELMS, J. R. Ring shear test for quantitatively measuring adhesion of metal deposits, 25:49383 (SCL-DR-710040)
- HELMS, John R. Effect of some variables on the throwing power and efficiency of copper pyrophosphate solutions, 21:27873 (SCL-DC-67-22)

HELMS, R. E. Redesign of a high-temperature engineering-scale facility for determining steam—graphite reaction rates, 23:21858 (ORNL-TM-2455)
  Vertical forced flow heat transfer, 23:520 (AAEC/TM-468)
HELMS, T. E. Levels in ^{11}B by the ^{10}B(d,p)^{11}B reaction, 25:3561 (CONF-700322-, pp 133-40)
HELMS, W. R. Simple compact Moessbauer single-line source, 25:15933
HELMS, Ward J. VLF step frequency sounding of the polar lower ionosphere, 24:6428
HELMS, Ward Julian Polar lower ionosphere, 23:25199
HELMS, William Rives Studies of nickelous and cobaltous oxide and effects of n-type and p-type dopants, 24:46143 (COO-1616-14)
HELMSTETTER, Charles E. Cell division during inhibition of DNA synthesis in E. coli, 22:36188
HELMUTH, Billy T. Effects of ^{137}Cs on vegetation at El Verde, 25:21929 (TID-24270, pp D.77-102)
HELPAP, B. Bile duct carcinomas after thorotrast, 25:4716
HELPPI, H. Directional correlations of some γ-ray cascades in ^{200}Hg, 25:12527 (NP-18613)
  Directional correlations of some γ-ray cascades in ^{200}Hg, 25:20400
  Gamma transitions in ^{152}Sm, 25:28397
  Multipole character of some gamma transitions in ^{152}Sm, 25:14985 (NP-18615)
  Multipole character of some gamma transitions in ^{152}Sm, 25:46077
  Simultaneous recording of true and random coincidences using a two-parameter analyzer system, 25:10894 (NP-18614)
  Simultaneous recording of true and random coincidences using a two-parameter analyzer system, 25:32254
  Theoretical correlation coefficients as functions of the mixing ratio delta for triple γ-ray cascades with intermediate transition unobserved, 25:25719 (NP-18644)
HELRICH, Carl Sanfrid Jr. Energy transfer mechanisms in a plasma, 24:45250
HELSBY, R. Ultrasonically dispersed sodium, 21:43573
HELSPER, James T. Biological effect of laser energy on human melanoma, 21:8864
  Synergistic effect of laser radiation and ionizing radiation on malignant tumors in vivo and in vitro, 21:20247
HELT, Bodil E. Classification of early M giant stars, 22:49895
HELTON, D. M. Densities of aqueous KCl and UO_2SO_4 from 25 to 374°C, 24:27057
  Preparation and preliminary studies of chloride-stabilized UO_2 sol, 22:14484 (ORNL-TM-2056)
HELTON, Linda P. Permuted Isotopes and Radiation Technology indexes, 1962—1969, 25:23740 (ORNL-IIC-31(Vols.1-7))
HELTON, R. W. Isomeric transition activated reactions of ^{82}Br with gaseous methyl bromide, 24:38908
  Kinetic energy isotope effects of bromine reactions activated by radiative neutron capture in gaseous CH_3F and CD_3F, 25:39556
HELUS, F. Preparation of carrier-free ^{77}Br for medical use, 24:16579
  Simultaneous electrolyte investigations in man using ^{77}Br, ^{42}K, and ^{24}Na, 24:33997
HELVY, F. A. High-temperature performance of metal-ceramic photomultipliers, 22:40502
  Photomultipliers for scintillation counting in severe environments, 21:32453
  Recent developments in GaP(Cs)-dynode photomultipliers, 24:39282
HELWIG, Elson B. Laser injury in skin, 22:567
HELZ, A. W. Computer analysis of photographed optical emission spectra, 24:2107
HELZ, Armin Emission spectrographic determination of trace elements in lunar samples, 24:20707
HEMBD, H. Analytical approach to the time decay constants of a neutron pulse in slabs and spheres of arbitrary thickness, 21:42762
  Connection between time-moments and fundamental decay constant of thermalized neutron pulse, 21:23395 (EUR-3275.e)
  Decay of a pulsed neutron distribution, 24:16299
  Integral transform method for neutron transport problems, 24:24909
HEMBREE, Wylie C. Prog. rpt. on tritiation of protein hormones, annual, 1969—70, 24:39413 (CU-3835-2)
HEMENGER, R. P. Five-dimensional quasispin, 25:10078
HEMENGER, Richard P. Five dimensional quasispin classification of shell model states in seniority scheme, 23:37282 (AD-679763)
HEMENWAY, Curtis Survival of microorganisms in space, 21:9026
HEMENWAY, Curtis L. Survival of micro-organisms in space, 22:33988
  Survival of micro-organisms in space, 23:26963
HEMINGSEN, Helen Enhancing effect of bone marrow cells on the immune response of irradiated mice reconstituted with spleen cells from normal and immunized donors, 22:30958
HEMINGWAY, J. T. Mitotic inhibition after x irradiation, 22:8468
HEMINGWAY, J. W. Optimum design of experiments on exponential absorption with n observations, 21:17864
HEMINGWAY, R. J. Prog. rpt. on event weighting and cross-sections for the 2.9 GeV/c K^-p experiment, 11/69, 24:10676 (ORO-2504-148)
HEMKE, St. Structural changes of the rabbit retina following x irradiation, 23:2948
HEMMAT, N. Nuclear detectors from cadmium telluride grown from a tellurium solvent, 24:39300
HEMMATI, A. Dependency of protein resorption on acidity and retention time of the stomach, 25:11170
HEMMENDINGER, A. Fission cross sections of ^{241}Am and /sup 242m/Am, 21:23487
  New time-of-flight measurements made with an intense source, 21:1077 (LA-DC-7813)
  Time-of-flight neutron cross-section measurements made with neutrons from nuclear explosions, 22:37280 (LA-3478(Pt.1))
HEMMENDINGER, Arthur Neutrons from nuclear explosions, 25:37511
HEMMENT, P. L. F. Anisotropy of radiation damage rates in n-type silicon, 24:6620
  Defect introduction rates and defect identification studies in low-energy electron irradiated silicon, 25:45570
  Theoretical technique to determine anisotropy of radiation damage rate in silicon, 22:37009
  Use of anisotropic damage rate data in determining atomic displacement energies, 24:42802
HEMMENT, Pamela C. E. Multigroup neutron diffusion theory perturbation program SPECTRE, 25:7796 (AWRE-O-74/70)
  Multigroup neutron transport perturbation program DUNDEE, 21:4176 (AWRE-O-40/66)
  Optimization of neutron cross-section data adjustments to give agreement with experimental critical sizes, 21:35384 (ANL-7320, pp 88-106)
HEMMER, P. C. Half-space problem in small-angle multiple scattering, 24:6769
  Multiple scattering in the Gaussian approximation, 22:21889
  Systematic improvement of the small-angle approximation in the theory of multiple scattering, 21:41765
HEMMERICH, H. Damage production in platinum electron-irradiated at 90°K, 22:31933 (BNL-50083, pp 348-58)
  Damage production in Pt electron-irradiated at 90°K, 22:3195
  Defect production during low temperature electron irradiation. II, 24:30380
  Defect production during low-temperature electron irradiation. I, 24:30385
HEMMERICH, J. Low-temperature electron irradiation facility, 24:30656
HEMMERICH, Johann Construction of a facility for irradiation with electrons at low temperatures, 23:35362 (JUL-579-FN)
HEMMERLING, H. Central air-monitoring system for an industrial radiochemical plant, 24:31565
  Probe with activated-carbon paper filter for air monitoring, 24:27336 (CONF-690540-, pp 197-205)
HEMMERSMEIER, F. Evaluation of results of a study of the Th—^{233}U fuel cycle for thermal reactors, 25:20746 (JUL-644-RG)
HEMMI, M. Design and performance of a focusing magnetic channel for a variable energy multiparticle cyclotron, 23:3886
HEMMI, Y. Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
  Total absorption lead glass Cherenkov counter, 22:371
HEMMIE, G. Proposal for a flat-top pulser for DESY, 21:4170
  Slow beam deflection for DESY, 25:7768 (DESY-70/51)
HEMMING, D. Far-infrared absorption in superconducting Nb and Ta, 24:30296
HEMMINGS, P. J. GEM code, 21:25615 (AHSB(S)R-105)
  Photon interaction data, 21:5529 (AHSB(S)R-109)
  Use of UK Nuclear Data Library in Monte Carlo program MONK, 24:49675 (AHSB(S)R-184)
HEMMINGS, R. L. Bibliography on new materials for ion exchange to 12/65, 21:4476 (AECL-2546)
HEMMINGSEN, E. A. uv thresholds for corneal injury, 24:32202
HEMMINGSEN, Helen Nonspecific response to antigen in bone marrow cells, 24:12003
HEMMINGSSON, E. Labelling of thymus and bursa of chicken with tritiated thymidine, 24:21054
HEMPEL, Franklin Glenn Visually evoked potentials from the laser-irradiated rabbit retina, 25:19132
HEMPEL, H.-C. Radiation damage to the growing human organism, 23:29881
HEMPEL, Klaus Radiosensitivity of DNA synthesis and mitosis in Harding—Passey melanoma and in the small intestine of mice, 22:49219
HEMPEL, Max Fatigue tests on Co—Cr—W—Ni alloy, 22:678
  Studies with a scintillation counter for detection of exoelectrons, 21:4711
HEMPELMANN, L. H. Chromosome damage in thyroid cells of adults irradiated with x-rays in infancy, 25:32380
  Neoplasms in thymus-irradiated children, 22:33934
  Thyroid abnormalities after radiation exposure in infancy, 22:19448
HEMPELMANN, Louis Preconception, intrauterine, and postnatal irradiation as related to leukemia, 21:18103
HEMPELMANN, Louis H. Breast neoplasms in women treated with x rays, 24:898
  Neoplasms in persons treated with x rays in infancy for thymic enlargement, 21:28632
  Neoplasms in youthful populations following x-ray treatment in infancy, 23:8077
  Thyroid neoplasms after irradiation in childhood, 22:28689
HEMPELMANN, W. Treatment of radioactive wastes in the Nuclear Research Center, Karlsruhe, 25:21124
  Treatment of solid radioactive waste at Nuclear Research Center Karlsruhe, 24:36368
HEMPERLY, V. C. Compilation of mechanical properties of dilute (5 percent maximum) alloys of uranium, 24:51156 (Y-DA-3616)
HEMPHILL, F. M. Thorotrast quantities and whole-body counts, 25:49096
HEMPHILL, Fay M. Diagnostic radiation utilization in selected short-term general hospitals, 25:24228 (BRH/DBE-70-8)
HEMPHILL, W. Cobalt-58 and ^{65}Zn-hematoporphyrin complexes in canine lymph-nodes, 24:11915
HEMPHILL, William P. Evaluation of ^{111}Ag, ^{113}Sn, ^{90}Yt, and ^{109}Pd hematoporphyrin complexes for selective lymphatic irradiation, 24:29698 (UCRL-18793, pp 73-9)
  Localization of ^{58}Co and ^{65}Zn hematoporphyrin complexes in canine lymph nodes, 24:29697 (UCRL-18793, pp 64-72)
HEMPLEMANN, L. H. Effect of x irradiation on collagen metabolism in polyvinyl-sponge granulomas, 25:46737
HEMS, G. Acceptable concentration of radon in drinking water, 21:24451
  Induction of bone tumors by ^{226}Ra, ^{239}Pu, and ^{90}Sr, 21:10904
  Risk of bone cancer in man from internally deposited radium, 22:23638
HEMS, R. V. Spectrofluorimetric determination of submicrogram amounts of zirconium with calcein blue, 24:29189
HEMSCH, Michael J. Radiative transfer with partially coherent scattering, 25:33386 (CONF-710107-, pp 567-77)
HEMSING, W. Biphasic increase in corticosteroids of adrenals and blood of rats after whole-body radiation, 21:22327
HEMSING, Wolf Effects of radiation on adrenal cortex. IV, 23:10055
HEMSKY, J. W. Isospin conservation in ^{40}Ca(d,α)^{38}K reaction, 22:5801
HEMSKY, Joseph William Isobaric spin conservation in the ^{40}Ca(d,α)^{38}K reaction, 22:11939
HEMSTREET, R. A. Heat transport in superfluid He in wide tubes, 23:32274
HEMSWORTH, R. S. Cross section for Penning ionization of H by He 2^3S metastables, 25:16831
HENAULT, P. TREAT experimental study of survival of EBR-II fuel pin in a loss-of bond incident, 23:4225
HENAULT, P. B. Fission product release from an encapsulated U—Pu—Zr fuel element, 23:37527
  Identification of failed fuel elements, 23:37529
  Loss-of-bond-type defect in an EBR-II driver element, 23:37544
  Origin of fission-product releases in EBR-II, November 23, 1967—May 6, 1968, 25:23283 (ANL-7604)
  Progress in xenon tagging, 25:6025
  Symptoms and detection of a fission-product release from EBR-II fuel element. I, 24:33308 (ANL-7605)
  Xenon tag proof test, 25:6026
HENCEY, T. R. Analytical methods used in the preliminary analysis of the transient behavior of the HWOCR, 21:7910
  Analytical methods used in the preliminary analysis of the transient behavior of the HWOCR, 22:1791
HENCEY, Thomas CETIC: computer code package for calculating heavy-isotope content in reactors, 22:16310 (CEND-300)
HENCH, J. E. Consequences of a steam line break in a General Electric Boiling Water Reactor, 24:11211 (NEDO-10045)
  Design basis for critical heat flux condition in boiling water reactors, 21:17436 (APED-5286)
  Effect of fuel rod failure on emergency core cooling system design for BWR's, 24:33375
  Effect of fuel rod failure on emergency core cooling system design for BWR's, 24:38557 (CONF-700608-14)
  Effect of fuel rod failure on emergency core cooling system design for boiling water reactors, 25:41440
  Loss-of-coolant accident and emergency core cooling models for General Electric Boiling Water Reactors, 25:34390 (NEDO-10329)
  Pressure suppression/gravity flooding containment system for metropolitan siting of large power reactors, 24:47880 (GEAP-5536)
  Two-dimensional diffuser performance with subsonic, two-phase, air—water flow, 24:29428 (APED-5477)
HENCH, John E. Cooling system in a nuclear reactor utilizing concrete pressure vessel, 22:37591
  Pressure vessel thermal insulation, 22:6180
HENCH, L. L. Neutron effects in thermally treated glasses, 23:22701
  Prog. rpt. on quantitative determination of structure—property relationships in nuclear fuel element materials, 6/15—9/15/69, 24:8092 (SRO-552-1)
  Prog. rpt. on quantitative determination of structure, property relationships in nuclear fuel element materials, 9/15—12/15/69, 24:14776 (SRO-552-2)
  Prog. rpt. on quantitative determination of structure-property relationships in nuclear fuel element materials, 12/15/69—3/15/70, 24:25683 (SRO-552-3)
  Quantitative determination of the structure: property relationships in nuclear fuel element materials, 25:6907 (SRO-552-4)
  Radiation effects in semiconducting glasses, 22:15264
HENCH, Larry L. Prog. rpt. on structure, properties, and radiation sensitivity of electrically bistable materials, annual, 2/6/70—2/6/71, 25:45536 (AD-720754)
HENCHMAN, M. J. Collision mechanism of a dissociative charge-transfer reaction at low energy, 23:30342
  Collision mechanisms of ion—molecule reactions at energies of 1 eV, 21:18425
  Ion—molecule reactions and relations in crossed molecular beams, 21:3641
  Kinematic investigations of ion—neutral collision mechanisms at approximately 1eV, 22:36737
HENCHOZ, A. Discrimination circuit (γ—n), 21:45363 (LYCEN-6738, pp 176-9)
HENCK, Friedrich Radiological training as a factor in radiation burden, 23:50720
HENCK, R. Argon luminescence induced by alpha particles, 25:38138
  Characteristics of 85 cm^3 Ge(Li) γ-ray detector, 22:19138
  Coincidence experiments with coaxial Ge(Li) detectors in low energy range, 22:40445
  Decay scheme of ^{124}Sb, 22:27102

Efficiency and time resolution of 120cm³ Ge(Li) detector, 23:50158
Efficiency and time resolution of 120 cm³ Ge(Li) detector, 24:14248 (LIB/Trans-241)
Experimental study of the excited levels of ^{131}Xe, 21:10047
Ge(Li) total absorption spectrometers, 23:47800
Influence of trapping effects on Ge(Li) detector performance, 25:57798
Lithium driftability in germanium, 22:28092
Lithium driftability in germanium, 23:22016
Luminescence of Ar induced by α particles, 22:26212
Mobility of electrons and holes at 77 deg K in Li-compensated Ge, 21:6274
Primary collective levels in even—even platinum, 24:43389
Production of N—I—P Ge diodes: use in gamma spectroscopy, 25:37632
Selecting crystals for large volume Ge(Li) counters, 24:5877 (EUR-4269, pp 65-80)
Studies on noble gas scintillators, 21:32458
Trapping effects in Ge(Li) detectors and search for a correlation with characteristics measured on the P-type crystals, 24:39292
HENCK, Roland Contribution to study of level scheme of ^{234}U, 22:53218
Decay of the 52-sec isomer of ^{196}Ir, 21:21550
Improvements in semiconductor radiation detectors, 24:25268
Internal conversion coefficients for low-energy transitions in decay of ^{131}I → ^{131}Xe, 24:11025
Internal conversion coefficients of the 25.6- and 84.1-keV transitions of the decay ^{231}Th → ^{231}Pa, 21:27602
HENCKS, H. Use of radioisotopes in foundry, 22:10501 (EUR-3645)
HENDEE, C. F. Secondary electron emission yield, energy, and angular distribution from high resistance targets, 21:43833
HENDEE, W. R. Depth dose measurements with lithium fluoride, 22:31086
Effects of total dose on energy dependence of TLD-100 LiF dosimeters, 22:28184
LiF depth-dose measurements, 22:28533
Radiation injury in cells of γ-irradiated mice, 22:28386
Ultrastructural radiation injury, 23:12219
HENDEE, William R. Average beta energy, specific γ-ray constant, and equilibrium absorbed-dose constants for /sup 113m/In, 23:38668
Handling therapeutic doses of radioactive nuclides in a hospital, 22:51644
Medical radiation physics, 25:16275
Nonuniform surface dose rates from beta eye applicators, 22:51787
Record-keeping in a radiation safety office by timesharing digital computer, 25:54984
Thermoluminescent measurement of cellular radiation dose, 21:43397
Time-sharing computers for treatment planning in radiation therapy, 25:37810
Uv-induced changes in residual thermoluminescence from γ-irradiated LiF, 23:48975
HENDEKOVIC, J. Core polarisation and quasiparticle theories of even tin isotopes with a realistic nucleon-nucleon force, 22:27132
Core polarization and quasiparticle theories of vibrational nuclei with a realistic nucleon-nucleon force, 22:29996
Simple extension of the BCS method for weakly deformed nuclei, 23:4079
Two- and four-quasiparticle microscopic theories and spectrum of ^{114}Cd, 22:26975
Two- and four-quasiparticle Tamm—Dancoff theories of vibrational states of medium-heavy nuclei with unfilled shells of both neutrons and protons. I, 22:22635
HENDEL, A. Z. Polarization of radio pulses from extensive air showers, 23:8485
Radio pulses and the detection of large air showers, 24:21624
Radio pulses from cosmic ray showers, 23:25168 (AD-678193)
Radio pulses from cosmic-ray air showers, 21:9361
HENDEL, H. Effects of collisional drift waves on plasma density, 23:44475
Plasma acceleration by electron cyclotron resonance, 22:13301
HENDEL, H. W. Collisional drift instabilities, 25:27729
Collisional drift instability in non-isothermal plasmas, 21:15195 (MATT-507)
Collisional drift waves: identification, stabilization, and enhanced plasma transport, 23:1478
Collisional effects in plasmas: drift-wave experiments and interpretation, 21:20970
Conference on feedback and dynamic control of plasmas, Princeton, N. J., 6/70. I, 25:27752
Development of collisional-drift-wave turbulence, 24:3385 (MATT-730)
Development of collisional-drift-wave turbulence, 24:26208
Drift instabilities in a uniformly rotating plasma cylinder, 23:14824
Feedback and dynamic stabilization methods and their power requirements: comparative evaluation, 25:38464 (CONF-710607-24)
Feedback control of collisional drift waves, 23:46497
Feedback control of fluctations in a toroidal stellarator, 24:40101 (UCRL-72473)
Feedback stabilization of collisional drift waves, 24:26231
Feedback stabilization of the transverse Kelvin—Helmholtz instability, 25:27772
Finite ion Larmor radius and ion—ion collision effects on alkali-metal plasma, 22:44188 (MATT-619)
Finite ion Larmor radius and ion—ion collision effects, 23:32526
Interpretation of experiments on collisional drift modes, 21:13525 (MATT-523)
Measurements of enhanced plasma losses caused by collisional drift waves, 22:3132
Remote feedback stabilization of collisional drift instability, 24:10565
Remote feedback stabilization of drift instability by microwaves, 25:27766
Soft- and hard-onset and amplitude saturation of collisional drift instabilities, 24:3386 (MATT-731)
Soft- and hard-onset and amplitude saturation of collisional drift instabilities, 24:26233
HENDEL, Hans W. Apparatus for generating and accelerating charged particles, 21:3882
HENDEL, W. R. Radiation response of LiF at low doses, 22:2432
HENDER, M. A. Polarization-free vacuum-ultraviolet excitation of helium by electrons, 25:35857
HENDERIXSON, W. H. SNAP-8 refractory boiler development, 25:60138 (N-71-19497)
HENDERSON, A. P. Galactic H II regions. I, 21:16764
HENDERSON, A. Peter Structure of neutral hydrogen in galaxy, 23:44135
HENDERSON, B. Colour centres in neutron-irradiated calcium oxide, 22:24484
Electronic states of defects in irradiated oxides, 22:52864
Laser surgery of angiomas, 23:29664
Localised electronic states of defect aggregates in neutron-irradiated magnesium oxide, 23:51778
Optical absorption studies of colour centres in heavily irradiated magnesium oxide, 21:44190
Point defects in MgO, 22:15551 (AERE-R-5203)
Radiation damage in magnesium oxide. I, 25:52484
Radiation damage in magnesium oxide. II, 25:52483
HENDERSON, B. J. Statistical theory of inelastic neutron energy spectra, 25:17958 (N-70-38168)
Transfer functions for circulating-fuel reactors, 21:44849 (LA-3734)
HENDERSON, Billy Joe Differential cross sections for a direct nuclear reaction leading to a multi-particle final state, 22:39585
HENDERSON, Bruce M. Laser in pediatric surgery, 23:38856
HENDERSON, C. Cloud and bubble chambers, 24:48322
Determination of the branching ratio (eta → $3\pi^0$)/(eta → $\pi^+\pi^-\pi^0$), 22:48208
HENDERSON, C. E. Joshua lattice physics subsystem, 25:28801 (DP-MS-70-78)
HENDERSON, C. L. Observations of the disturbed region around an ionospheric spacecraft, 22:17502
HENDERSON, D. Intra-antral radium application, 21:14685
HENDERSON, D. B. Facility for duplicating 14-MeV neutron effects in fusion power reactors, 25:45503 (LA-4709)
Hot plate with programmable temperature profiles, 24:26242
HENDERSON, D. C. Partial acquisition and extinction of an avoidance response in two breeds of swine, 21:24588
HENDERSON, D. J. Extraction chromatography of Cf, Es, and Fm with di(2-ethylhexyl)orthophosphoric acid, 23:17532
Nuclear properties of ^{251}Bk, 21:19263
Separation of milligram quantities of americium and curium by extraction chromatography, 22:25480
HENDERSON, D. M. Electromagnetic energy absorption at the upper hybrid resonance, 25:30616
Pulse-stimulated emission from plasma columns, 22:13456
HENDERSON, D. R. Calculation of concentration behavior during chemical decontamination of a nuclear reactor plant, 23:6017
Calculation of concentration transients during chemical decontamination of a nuclear reactor plant, 21:35622
Determination of chemical concentration as a function of time in a two-volume reactor coolant system, 21:12157 (WAPD-TM-646)
HENDERSON, Dale B. Aerodynamic study of an argon plasma, 21:42032
Angular distribution of efflux from an atomic beam nozzle, 24:25974
Anomalous microwave absorption near the plasma frequency, 25:40718
Particle losses due to charge exchange in cesium plasmas, 22:17628
Q-machine hot plate development, 24:24057 (LA-4250, pp DII.6.1-3)
Resonant charge exchange cross section in a K Q machine plasma column, 24:26185
Spatial distribution of plasma ion drift speeds, 25:33260
HENDERSON, Dale Barlow Investigation of rf argon plasma source intended for MHD medium, 22:1263
HENDERSON, David Courtland Preparation and some high temperature properties of rare earth trifluorides, 25:3957 (IS-T-384)
HENDERSON, David Michael Pulse stimulated emission and echoes at upper hybrid resonance, 25:14381
HENDERSON, Don J. Selectivity of C—H bond rupture by γ radiolysis in singly branched alkane glasses, 23:31377
HENDERSON, Don Jordan Abstraction of H and Cl atoms by methyl radicals and identification of alkyl radicals produced by irradiation of branched-alkane glasses at 77°K, 23:2345
HENDERSON, Donald Effects on operant conditioning of ionizing radiation to the whole-head of rat, 21:11045
Large-scale dispersion of clusters of particles in various flow patterns, 24:31503
HENDERSON, Dugald Austin Jr. Graphics display language, 22:14374 (COO-1469-0068)
HENDERSON, E. H. Comparison of methods for the determination of nitrogen in titanium carbide, 23:17321 (AERE-R-5937)
HENDERSON, Edward S. Effect of suppression of erythropoiesis on colony-forming units of mice, 24:12006
Treatment of acute leukemia, 23:41383
HENDERSON, G. Coronal line profiles observed by means of coronagraphs and a Fabry—Perot spectrometer, 25:35775
Interaction between I and bacteria, 23:26240
HENDERSON, G. H. High purity austenitic alloy fabrication procedures, 21:38820 (GEAP-5026)
HENDERSON, George A. Direct determination of pure-state density matrices. III, 23:18392
Direct determination of pure-state density matrices. V, 23:18394
Impulse approximation for one-dimensional atom—oscillator collisions. I, 25:7168
HENDERSON, Gordon Taylor Nuclear reactors, 22:20892
HENDERSON, H. Thurman Space-charge-limited current in neutron-irradiated Si, 24:8529
HENDERSON, Homan Thurman Fast-neutron radiation-induced traps in Si, 23:42433
HENDERSON, I. A. Automatic compensation of deadtime losses, 24:9655
Moving gamma-source soil density gauge, 24:5941
HENDERSON, J. Blood of patients with gynecologic cancer following irradiated Streptokinase-Streptodornase, 25:26632
HENDERSON, J. R. Electronic structure of rare-earth sesquisulfide crystals, 22:5436
HENDERSON, James R. Electronic spectrum of single-crystal Dy_2O_3, 22:13565
HENDERSON, Jerry D. Capture and elastic scattering of protons by ^{14}C, 22:44621
HENDERSON, John Dragon reactor experiment, 22:10024
HENDERSON, John W. Hematoporphyrin in detection and management of intraocular tumors, 21:10989
Multicentric unilateral retinoblas-toma treatment by radon with seven-year cure, 21:8848
HENDERSON, John Woodworth Brain scanning in neuro-ophthalmologic diagnosis, 22:31134
HENDERSON, Louis Edwin Denaturation of enzymes by direct action of ionizing radiation, 21:43317 (COO-690-20)
Denaturation of enzymes by the direct action of ionizing radiation, 21:26386
HENDERSON, N. K. Degradation of continuous-channel electron multipliers in a laboratory operating environment, 23:22043
HENDERSON, N. W. Deuteron-nucleus effective interaction and DWBA calculations for the ^{90}Zr(d,p)^{91}Zr reaction, 21:38334
HENDERSON, P. Determination of phosphorus in rocks and minerals by activation analysis, 21:40801
Distribution of uranium in some basic igneous cumulates and its petrological significance, 25:54809
Neutron activation analysis for transition elements in rocks, 25:4047
Sample holder for gamma-ray activity measurements in activation analysis, 25:46448
Simplified procedure for assay of picocurie concentrations of ^{226}Ra and its application to a study of natural radioactivity in surface waters in Scotland, 23:19669
HENDERSON, R. E. Energetics VII: the comprehensive view, 21:7051
HENDERSON, R. W. Analysis of underground weapon test effluent samples, 21:2935 (LA-3420)
HENDERSON, Richard W. Characteristics of the radioactive pollutant from ground testing of nuclear propulsion reactors, 21:28099 (LA-DC-8524)
Radiation measurements of effluent from NRX A-4 reactor, 21:12838 (LA-3583)
HENDERSON, Robert WISPIN computer program for simulation of WISP inertial navigator, 24:9202 (UCRL-50650)
HENDERSON, Rogene F. Deuterium isotope effects on histone synthesis in avian erythroblasts, 22:12802
Effect of DMSO on glutamic dehydrogenase, 23:33743
Effects of D_2O on glutamic dehydrogenase, 23:14121
HENDERSON, T. L. E. S/sub q/ current effects on seasonal variations in E region, 21:35099
HENDERSON, T. M. Electronic spectrum of single-crystal Dy_2O_3, 22:13565
HENDERSON, Thomas R. Deuterium isotope effects on histone synthesis in avian erythroblasts, 22:12802
Effect of DMSO on glutamic dehydrogenase, 23:33743
Effects of D_2O on glutamic dehydrogenase, 23:14121
Serum organic acids in sheep exposed to neutron—gamma irradiation, air blast, or both, 25:13384
HENDERSON, W. B. Analysis of cavity reactor experiments, 23:45112 (N-69-25399)
Analysis of EBR-II neutron spectra by Monte Carlo and discrete ordinate methods, 24:29050 (GEMP-742)
Critical experiment correlation (710), 23:11283 (GEMP-297)
Evaluation and compilation of ^{181}Ta, ^{182}W, ^{183}W, ^{184}W, and ^{186}W cross section data, 21:4274 (GEMP-448)
Evaluation of ^{185}Re and ^{187}Re neutron cross sections for ENDF/B library, 22:20568 (GEMP-587)
Fast-spectrum refractory-metal critical-experiment measurements, 21:8072
Generating space-dependent multigroup effective core cross sections for 710 reactor analysis, 21:44838 (GEMP-548)
NSP kernel-diffusion library, KDLIBE: NS0910, 23:42830 (GESP-226)
Prog. rpt. on SNAP-23A, 3—5/68, 22:45249 (WANL-3800-16)
Prog. rpt. on SNAP-23A, Phase 1, 12/67—2/68, 22:33605 (WANL-3800-12)
Program DOS, FORTRAN IV program to compute the flux or specific activity associated with a dosimeter, 24:9636 (GEMP-729)
Program LCDUCT: two-bend rectangular duct radiation leakage analysis, 23:48954 (GESP-295)
Program TNDT: code to prepare 16-group nuclear data tape for transport codes, 22:37278 (GEMP-617)

  - Recent fast critical experiments in MSCA and 710-CE, 21:15765 (CONF-661019-10)
  - Recent fast critical experiments in MSCA and 710-CE, 21:35674 (ANL-7320, pp 195-203)
- HENDERSON, W. K. Electromagnetic separation and chemical refinement of cerium isotopes, 21:30633 (ORNL-4127)
- HENDERSON, W. R. Charge transfer of N_2^+ and O_2^+ with Na atoms, 21:31224
  - D-region atomic oxygen measurement, 25:30385
  - Dissociative attachment of electrons to hot oxygen, 23:32179
  - Measurement of atomic oxygen height profiles in upper atmosphere, 25:2968
- HENDERSON, Walter Determination of methyl fluoride and dimethyl ether in seal oil vent gases, 25:51313 (NUMEC-3292-22)
- HENDERSON, Walter J. Calcium-47 absorption in rats with induced hyperthyroidism, 22:10697
- HENDL, G. First operating experience with NS Otto Hahn. II, 24:9159
- HENDL, Richard G. Constructing solar flare events by computer, 24:37087 (AD-699549)
- HENDLER, Edwin Cutaneous receptor response to microwave irradiation, 24:19370
- HENDLEY, S. M. Integral calculation of three-dimensional nuclear-thermal-hydraulic interaction, 21:7972
- HENDLINGER, Evzen Installation of neutron-generator NA-2, 25:59676
- HENDON, H. H. Control reactor with a process computer, 24:47839
- HENDRICH, C. E. Effects of radiothyroidectomy and various replacement levels of thyroxine on Cornish Cross chickens, 21:22661
- HENDRICK, L. D. Internal-conversion penetration effects in M1 transitions of ^{133}Cs, 24:24589
  - K/(L + M + ...) ratio of 355-keV transition in ^{133}Cs, 21:35482
- HENDRICK, Lynn Denson Cosmic-ray neutrons near the earth and internal conversion studies in ^{133}Cs, 21:46775
- HENDRICK, W. G. Apparatus for measurement of electron attachment and electron swarm drift velocities, 22:15328 (ORNL-TM-1444)
- HENDRICKS, C. D. Uniform charged solid particle production, 22:47055
- HENDRICKS, Charles D. Colloid propulsion: state of the art and review of current research, 22:13300
  - Control of an instability on the fluid pendulum with magnetic feedback, 24:35250
  - Physics of charged colloidal particles and the technology of their production, 21:9350
- HENDRICKS, Donald W. AEC controlled area safety program, 24:23224 (SWRHL-82, pp 460-77)
- HENDRICKS, H. E. In-service inspection of San Onofre Nuclear Generating Station, Unit 1, 25:39139 (CONF-710512-6)
  - Surveillance and inspection programs for LACBWR reactor pressure vessel and associated piping and equipment visual inspection system study, 23:15556 (SwRI-1228-P-11-1)
- HENDRICKS, Herbert D. Investigation of electron-radiation-induced dielectric breakdowns in a typical capacitor meteoroid detector system, 23:16216 (N-68-33277)
  - Resolution changes in Li-drifted Si semiconductor detectors irradiated with 0.5, 1.0, 2.0, and 3.0 MeV electrons, 23:26631 (N-69-10933)
  - Transmission and backscatter of 0.075 to 1.0 MeV electrons by Al and stainless steel, 22:41291 (N-68-17898)
  - Voltage breakdown due to proton irradiation in polymeric materials, 23:30199 (N-69-10066)
- HENDRICKS, J. B. Flux flow and thermal stability of stabilized superconductors, 22:29451
  - Magnetization by rotation: Barnett effect in a superconductor, 25:30439
  - Prog. rpt. on magnetic flux flow and superconductor stabilization, 4—6/67, 21:37349 (ORNL-TM-1943)
  - Prog. rpt. on magnetic flux flow and superconductor stabilization, 7—9/67, 22:9234 (ORNL-TM-2075)
  - Prog. rpt. on magnetic flux flow and superconductor stabilization, 10—12/67, 22:22070 (ORNL-TM-2162)
  - Prog. rpt. on magnetic flux flow and superconductor stabilization, 1—3/68, 22:31733 (ORNL-TM-2233)
  - Theory of stabilized superconducting wires, 22:24224
- HENDRICKS, John B. Performance of stabilized superconducting cables, 23:1306
- HENDRICKS, John Benjamin Magnetic field of a rotating superconductor, 21:9502
- HENDRICKS, K. O. Use of a 1600 channel analyzer with a gamma scintillation camera, 25:6723
- HENDRICKS, P. L. Strain aging of tantalum, 21:13171
- HENDRICKS, R. C. Survey of heat transfer to near-critical fluids, 25:1153
- HENDRICKS, R. Jr. High temperature isostatic pressing, 21:4928
- HENDRICKS, R. W. Alignment procedure for Kratky small-angle x-ray camera, 24:18833 (ORNL-4476)
  - Properties of octafluorocyclobutane (C_4F_8) of interest in x-ray absolute intensity experiments, 25:41700 (ORNL-TM-3407)
  - X-ray diffraction data on liquid trimethylamine decahydrate at 5°C, 24:43893 (ORNL-4571)
- HENDRICKS, Robert C. Assessment of convection, conduction, and evaporation in nucleate boiling, 21:26049 (NASA-TN-D-3943)
- HENDRICKS, Robert W. Program WEIGHT: FORTRAN IV program for evaluation of weighting functions used in small-angle x-ray scattering, 21:43301 (ORNL-TM-1950)
  - Program WEIGHT: FORTRAN IV program for evaluation of weighting functions used in small-angle x-ray scattering, 25:6246 (ORNL-TM-1950(Rev.1))
  - Space charge effects in proportional counters, 23:41029
- HENDRICKS, Rudolph Jr. Utilizing lithium oxide and precursors as sintering aid for hot pressing beryllium oxide, 25:732
- HENDRICKS, Shirley J. Model for international Geomagnetic Reference Field, 22:22058
- HENDRICKS, T. Experimental $K^*(1410)$ branching ratios, 21:31533
  - Reaction $K^- + p \rightarrow K^- + p + \omega^0$ at 3.8 GeV/c, 21:21145
- HENDRICKS, Tareah John Properties of selected final states in the reaction $K^- + p \rightarrow$ four-prong topologies at 3.8 GeV/c, 22:11601
- HENDRICKS, William D. DORF-I: gamma-ray spectrograph shielding studies, 25:18732 (AD-711531)
- HENDRICKSON, A. A. Prog. rpt. on microhardness phenomena in silver, 6/71, 25:54352 (COO-916-23)
  - Prog. rpt. on serrated yielding in single crystals of silver—indium alloys, 1971, 25:52322 (COO-916-24)
  - Prog. rpt. on structure and properties of solid solutions, annual, 3/66—3/67, 21:22865 (TID-23747)
  - Prog. rpt. on structure and properties of solid solutions, 3/67—3/68, 22:21717 (COO-916-13)
  - Prog. rpt. on structure and properties of solid solutions, 3/1/68—6/15/69, 23:38983 (COO-916-15)
  - Prog. rpt. on structure and properties of solid solutions, annual, 9/1/69—6/15/70, 24:42132 (COO-916-17)
  - Prog. rpt. on structure and properties of solid solutions, 9/1/70—6/15/71, 25:49407 (COO-916-20)
  - Solid solution strengthening in Nb—Ta and Nb—Mo alloy single crystals, 24:42123
- HENDRICKSON, David W. Carbon isotope effects on the enzymatic decarboxylation of glutamic acid, 24:36256
- HENDRICKSON, F. R. Shield construction for therapy of Hodgkin's disease, 23:50554
- HENDRICKSON, Frank R. Large dose increment irradiation in treatment of cerebral metastases, 25:16271
  - Results of pre-operative radiotherapy for supraglottic larynx cancer, 22:45600
  - Treatment of Ewing's sarcoma, 23:38709
- HENDRICKSON, M. M. Eventual whole body exposure rate from ^{85}Kr released to the atmosphere, 25:8667 (BNWL-SA-3233)
  - EXDOSE: computer program for calculating external gamma dose from airborne fission products, 22:51561 (BNWL-811)
  - FFTF containment system alarm and trip criteria, 25:12812 (BNWL-1479)
  - RACER: a computer program for calculating potential external dose from airborne fission products following postulated reactor accidents, 25:42393 (BNWL-B-69)
  - Reasons for differences in calculated estimates of the cloud dose, 25:8668 (BNWL-SA-3424)
  - The dose from ^{85}Kr released to the Earth's atmosphere, 24:48538 (BNWL-SA-3233-A)
- HENDRICKSON, R. A. Electron echo experiment, 25:35966
- HENDRICKSON, Richard A. Cross-spectral density measurements in a coupled-core reactor, 22:14271
  - Measurement of the reactivity coupling coefficient in the Iowa State UTR-10, 21:40684
  - Use of analog and digital computers in conjunction with a first course in reactor kinetics, 21:8089
- HENDRICKSON, Richard Allan Cross-spectral density measurements in a coupled-core reactor, 21:42833
- HENDRICKSON, W. F. Rotating holder for irradiating samples, 23:43163
- HENDRICKX, R. V. Auroral electrons in the 1- to 10-MeV range, 23:18509
- HENDRIE, D. L. Angular distributions of gamma rays emitted in ^{197}Au(p,2n)^{196}Hg and ^{197}Au(p,4n)^{194}Hg reactions, 21:1082 (UCRL-16987)
  - Determination of Y_4 deformations in rare earth region by inelastic alpha particle scattering, 22:3700 (UCRL-17547(Exp.))
  - Determination of Y_{40} and Y_{60} components in the shapes of rare earth nuclei, 22:14007
  - Evaporation of α particles from heavy nuclei, 23:8994
  - Excitation of single neutron hole states in ^{207}Pb by inelastic proton scattering at 20.2 MeV, 22:50627
  - Fragmentation of octupole strength in ^{203}Tl(p,p')^{203}Tl, 24:30853
  - Gross structure in the spectra of helium ions inelastically scattered from heavy nuclei with large energy loss, 25:50744
  - Hexadecapole deformation and asymmetry in inelastic scattering of 24.5-MeV polarized protons from ^{20}Ne and ^{22}Ne, 25:53718
  - Inelastic alpha particle scattering in the rare earth region and determination of $\beta 4$, 22:27205
  - Inelastic scattering of 17.8 MeV protons from ^{58}Ni, ^{60}Ni, and ^{120}Sn and the determination of spin and parity assignments for ^{58}Ni from α-particle scattering, 21:46691
  - Lead-208(d,t) and (d,^{3}He) reactions with 50-MeV deuterons, 23:31020
  - Multiple nuclear excitation of rotational levels in ^{152}Sm and ^{154}Sm, 21:10028
  - Proton particle-hole states in ^{208}Pb, 24:38273
  - Reaction (d,^{6}Li) on light nuclei, 25:22981
  - Reaction ^{12}C(p,2p)^{11}B at 50 MeV, 21:23438
  - Reaction ^{208}Pb(^{3}He,α)^{207}Pb at 47.5 MeV, 24:15910
  - Relation between the optical potential for spherical and deformed nuclei, 22:14081
  - Scattering of alpha-particles by ^{55}Mn, 23:32919
  - Single-particle proton admixtures in core-excited states of ^{207}Bi, 25:23036
  - Spin flip in the inelastic scattering of 19.6-MeV protons from ^{54}Fe and ^{56}Fe, 24:13333
  - Y_4 deformation in ^{20}Ne and other s—d shell nuclei, 23:46947
- HENDRIE, David Prog. rpt. on nuclear chemistry, annual, 1969, 25:7851 (UCRL-19530)
- HENDRIE, J. M. Brookhaven pulsed fast research reactor, 23:21510 (BNL-13208)
  - Control blades for the high flux beam reactor, 22:30316
  - HFBR: source reactor for neutron beams, 21:4408 (BNL-10610)
  - Prog. rpt. on polymer concrete applications development, 1/69—6/70, 25:24670 (BNL-15139)
- HENDRIK, A. Significance and evaluation of a procedure for thyroid diagnosis, 24:9892
- HENDRIKS, J. H. Nijmegen PEPR: status, 25:6562 (MIT-2098-660, pp 27-34)
- HENDRIKS, J. H. G. Nijmegen PEPR status, 23:16153 (CONF-680628-, pp 59-71)
- HENDRIKS, J. W. Angular dependence of the superconductive nucleation field Hc4, 25:56065
- HENDRIKS-VAN ITTERBEEK, W. Properties of films and the influence of alpha irradiation, 23:36799
- HENDRIX, D. E. Substructure and perfection in UO_2 single crystals, 24:14958
  - UO_2—W cermets, 24:14929
- HENDRON, Alfred J. Jr. Effect of soil properties on the attenuation of airblast-induced ground motions, 23:9580
- HENDRON, J. A. Application of alcohol penetrant for evaluation of surface porosity of graphite inserts for rocket nozzles, 22:43008
- HENDRY, A. W. Mass relations for 56, 70, and 20 representations in quark model, 21:21281
  - Veneziano formulation of pion—nucleon scattering, 24:18190
  - Veneziano formulation of pion—nucleon scattering, 24:49513
- HENDRY, Archibald W. 5 GeV/c pion—nucleon scattering at all angles, 25:47860 (COO-2009-26)
  - Analysis of π^+p elastic scattering from 2.74 to 4.0 GeV/c at all angles, 25:50134 (COO-2009-22)
  - Electromagnetic decays of baryon resonances in the harmonic-oscillator model, 23:32744
  - Equivalence of Regge and optical models, 25:50114 (COO-2009-23)
  - Equivalence of Regge and optical models, 25:59421 (COO-2009-30)
  - Harmonic-oscillator model for baryons, 22:50403
  - Harmonic-oscillator model for baryons, 23:32748
  - Model for scattering at all angles, 24:40393
  - Nucleon isobar excitation in $\pi^{+-}p$ scattering, 24:3655
  - Prog. rpt. on theoretical particle physics, 12/70—11/71, 25:47763 (COO-2009-29)
  - Strangeness + 1 baryons in U(6) x U(6), 21:37886
  - SU(3) structure of $3/2^-$ baryons, 21:46494
- HENDRY, Barbara Publications of Stanislaw M. Ulam, 22:39959 (LA-3923)
- HENDRY, C. O. Design goals and actual operation of a compact, isocronous cyclotron, 22:29800
- HENDRY, Dale G. Radiation-initiated emulsion oxidation, final, 5/68—6/69, 24:7447 (TID-25265)
- HENDRY, David Prog. rpt. on nuclear chemistry, annual, 1968, 23:49877 (UCRL-18667)
- HENDRY, G. O. Compact rf system for a 30-inch AVF cyclotron, 21:38026
  - Design and performance of a compact multi-particle cyclotron, 25:31145
  - Design and performance of H^- injector cyclotron, 25:31151
  - Operation and performance of a compact, isochronous cyclotron, 21:38086
- HENDRY, George O. Magnetic extraction channel for a 30-inch AVF cyclotron, 23:28049
- HENDRY, I. C. Display of neutron radiography results by direct viewing of a scintillating plate, 23:14112
  - Neutron converters for DMTR, 22:6133
  - Neutron radiography unit based on a (D,T) neutron generator, 23:33362
  - Neutron radiography, 22:16922
- HENDRY, Innes Craig Improvements in fuel elements, 24:24922
  - Improvements in or relating to neutron radiography apparatus, 25:18618
- HENDRY, J. H. Response of hemopoietic colony-forming units to γ rays or neutrons, 25:24383
- HENDRY, W. L. Analysis of an initial value problem for the neutron transport equation with delayed neutrons, 22:33130
  - Application of asymptotic expansions to problem in linear transport theory, 24:30681
  - Bibliography on neutral particle transport theory, 24:49227 (LA-4287)
  - Completeness of the elementary solutions to the one-dimensional neutron-transport equation, 21:11948
  - Expression for the remainder in the spherical harmonics method, 22:1584
  - Fourier series solution to infinite cylinder problems, 21:38175
  - Numerical studies of an initial-value neutron transport problem, 24:7270
  - Numerical studies of the initial-value problem for the one-velocity neutron transport equation with delayed neutrons slab geometry, 24:8808 (ORO-3858-1, pp 206-20)
  - Solution to neutron transport equation for infinite cylinder by Fourier series, 23:2116
  - Solution to the linear time-dependent neutron transport equation with time-dependent source and cross sections, 25:41593
  - Solutions to a class of time-dependent transport problems, 25:41180
  - Solutions to the neutron transport for a critical slab by perturbation theory, 23:10925
  - Some problems in time-dependent transport theory, 25:33383 (CONF-710107-, pp 519-32)
  - Time-dependent neutron transport, 23:15713
- HENEDERSON, D. J. Extraction chromatography of Am, Cm, Bk, and Cf with di(2-ethylhexyl)orthophosphoric acid, 23:49914
- HENEGAR, George C. Measurement of /sup 99m/Mo contamination in /sup 99m/Tc, 21:43473
- HENES, J. D. Moessbauer-type photoluminescence spectra of irradiated germanium, 25:56328

HENEVELD, W. H. High temperature measurements of Doppler effect in UC and UO$_2$, 21:42611 (NAA-SR-12501)
Reactivity effects of ^{153}Gd on SNAP reactor, 24:29060 (AI-AEC-12909)
HENEY, N. M. Renal scintigraphy in pyelonephritis, 25:24268
HENFREY, A. W. Deuterium atom distribution in Nb—D solid solutions, 24:40191
HENGELTRAUB, A. Current algebra and P-wave pion—nucleon scattering, 24:3684
HENGEVELD, A. F. Heat conductivity of polyatomic gases in magnetic fields, 25:40434
HENGEVOSS, J. Gas sorption by surfaces cooled to low temperatures, 21:1554
HENGLEIN, A. Chain reactions in the dissolution of reactive phosphorus in dimethyl disulfide, 24:11626
Chemical reaction kinematics. IX, 23:18431
Chemical reaction kinematics. XIV, 25:51453
Effects of radiation on polymer solutions, 22:25415
Elastic and reactive scattering of ions on molecules, 25:49734 (HMI-B-111)
Free radical chemistry of white phosphorus: γ-irradiation of P$_4$ in bromoform, 22:37782
Ionic reactions in γ radiolysis of ether solutions of D$_2$S, 22:27811
Kinematics of ion—molecule reactions, 23:3246 (HMI-B-77)
Multiple pulse radiolysis: successive accumulation of two hydrated electrons in oxygen, nitrobenzene, and nitromethane, 25:26308
Oxidation of unsaturated carbonyl compounds in aqueous solution, 24:31359
Pulse radiolysis and polarography, 25:51528
Pulse radiolysis of hydrogen selenide in aqueous solution, 23:35210
Pulse radiolysis of hydrogen sulfide in aqueous solutions, 21:19664
Pulse radiolysis of nitrobenzene solutions, 22:2134
Pulse radiolysis of S$_2$O$_8^{2-}$ and HSO$_3^-$ anions in aqueous solution, 23:17468
Pulse radiolysis of simple mercaptans in air-free aqueous solution, 23:35211
Pulse radiolytic investigation of dissociation equilibrium of mixed radical—anion complexes BrSCN$^-$, 23:35151
Pulse radiolytic investigation of ISCN$^-$ and I$_2$SCN$^-$ complexes, 24:31360
Pulse radiolytic investigation of short-lived hydrates of aromatic nitroso compounds, 25:2272
Pulse radiolytic investigation of the oxidation and reduction of nitrosobenzene in aqueous solutions, 21:8340
Pulse radiolytic investigation of the oxidation of phenylhydroxylamine in aqueous solutions, 21:38989
Pulse radiolytic investigation of the carboxyl radical in aqueous solution, 24:41361
Pulse radiolytic investigation of the kinetics of diffusion-controlled reactions of OH radicals with polymers, 24:50427
Pulse radiolytic investigations of some elementary processes of nitrobenzene reduction, 21:8341
Pulse radiolytic investigations of the electrolytic dissociation of aliphatic alcohol radicals, 21:1385
Pulse radiolytic investigations of the hydrolysis of dirhodan, 25:15668
Pulse radiolytic measurements of rate constants for combination of poly(ethylene oxide) radicals in aqueous solutions, 23:49876
Pulse-radiolytic investigation of some elementary processes of silver reduction, 23:6187
Pulse-radiolytic investigation of the acetoin radicals and diacetyl anions in aqueous solutions, 22:42753
Pulse-radiolytic investigations of the reactions of organic radicals with hydrogen sulfide, 21:32202
Radiation chemical yield of OH$^-$ as determined by conductometric pulse radiolysis, 25:39546
Radiation-chemical solution of Michaelis—Arbusov reaction, 22:16615
Reaction of white phosphorus with dimethyl sulfide under γ-irradiation, 22:37784
Secondary rainbows and interference in elastic scattering of H$^+$ by Ar, 25:27458
HENGLEIN, Arnim Introduction to radiation chemistry with practical instructions, 25:20999
Pulse radiolysis of organic compounds in aqueous solutions, 25:54632 (CONF-700652-(Vol.3), pp 649-92)
HENGST, W. Simultaneous blood flow measurements with ^{133}Xe in flexors and extensors of the lower leg under positive and negative load, 25:10913
HENGST, Wolfgang Early tumor localization in skeleton with ^{85}Sr, 21:34717
Excretion of ^{131}I in milk after radioisotope renography, 23:31622
HENGSTENBERG, T. F. Fracture toughness of beryllium, 21:45891 (WANL-TME-1610)
Fracture toughness of beryllium, 24:14818
HENI, F. Treatment of Cushing's syndrome, 21:26541
HENICKSMAN, A. L. Determination of Ti, Zr, Hf, Nb, Ta, Mo, and W in uranium alloys, 25:2065 (LA-4529)
Separation of Re from Cu, Mo, and W and its spectrophotometric determination, 21:1245 (LA-3550)
HENICKSMAN, Arthur L. Health and safety manual of Analytical Chemistry Group, 24:13726 (LA-4092)
HENIG, G. Solid-state precipitation detectors for nuclear tracks, 25:21397
HENIN, F. Derivation of kinetic equation for interaction between radiation and two-level system. II, 23:44577
Dissipative processes, quantum states, and entropy, 22:20161
Interaction between radiation and two-level system, 23:36815
Kinetic equation for interaction between radiation and a two-level system. I, 23:21019
Kinetic equations and light-matter interaction, 23:25483
Kinetic theory and subdynamics, 24:49286
Reformulation of classical electrodynamics, 22:11713

HENINS, A. Polarization of the Lα_1 x rays of Hg, 25:7177
HENINS, I. Coaxial gun development, 22:1252 (LA-3770, Paper E2)
Coaxial snowplow discharge, 22:1186 (LA-3770, Paper C7)
Coaxial snowplow discharge, 23:44395
High energy gun-injected toroidal quadrupole, 25:38330 (CONF-710607-8)
HENINS, Ivars Fast metallic contact solid dielectric switch for high voltage and current, 22:47440
Pulsed gas valve for fast timeable high pressure operation, 23:32491
Thermal expansion impulse actuator in plasma jet apparatus, 21:3881
HENIS, J. M. S. Electron density rearrangement description of ion—molecule reactions, 23:12533
Isotopic exchange in olefin ion—molecule reactions, 24:25040
Kinetic energies of ionization products from collisions of Ar—Ar, He—He below 220 eV c.m. energy, 25:38144 (NYO-2101-27)
Kinetic energies of ionization products from collisions Ar—Ar and He—He, 25:58764
HENISCH, H. K. Chemically stimulated luminescence in rare earth oxides, 25:3213
Field-effect enhancement of thermoluminescence, 21:26228 (CONF-660637-, pp 259-64)
Polymer thermoelectret dosimetry, 25:51910
Prog. rpt. on role of trapping processes in solid state radiation dosimetry, final, 5/71, 25:42162 (NYO-3409-10)
Recent experiments on x-ray and uv dosimetry by means of nonluminescent crystals, 23:7819 (CONF-680920-, pp 234-42)
Thermo-voltaic radiation dosimetry, 21:14478
Use of diamond for photostimulated ultraviolet radiation dosimetry, 21:16796
Uv dosimetry by ZnS electret discharge, 24:46520
HENISCH, Heinz K. Conference on characterization of materials, University Park, Pa., 11/66, 23:26985
Prog. rpt. on role of trapping processes in solid state radiation dosimetry, 2/68, 22:19160 (NYO-3409-4)
HENIZE, K. G. Ultraviolet objective-prism spectra from Gemini XI and XII manned space flights, 23:8391
Ultraviolet spectrophotometry of Canopus from Gemini XI, 24:19579
HENIZE, Karl G. Dimensions of southern planetary nebulae, 21:36984
Nebulosity about FG Sagittae, 23:39138
Observations of southern planetary nebulae, 21:37042
Structure of Barnard Loop Nebula as determined from Gemini 11 photographs, 22:11160
HENK, J. M. Hyperbaric O in radiotherapy of head and neck carcinoma, 24:48643
Radiation dosimetry of the ^{131}I-Hippuran renogram, 21:28468
Treatment and prognosis of medulloblastoma in children, 23:12162
HENKE, Allen Harold Radiation and canine visual learning, 24:9950
HENKE, B. L. X-ray absorption in the 2 to 200 A region, 22:11199
HENKE, Burton L. Low-energy x-ray and electron physics, 22:342 (ORNL-IIC-10(Vol.2), pp 522-56)
Measurement of the ultrasoft x radiations of the solar corona, 21:41694 (AD-645637)
Prog. rpt. on low-energy x-ray and electron physics, final, 6/64—5/67, 22:36700 (AD-662607)
Techniques of low energy x-ray and electron physics: 50 to 1000 eV region, 22:19148
HENKE, G. Cadmium determination in liver and kidneys of children by activation analysis, 24:22611
Detection of a repeated thallium poisoning by means of neutron activation analysis of hair and nails, 24:11486
Detection of thallium poisonings by means of neutron activation analysis, 25:48478
Determination of 28 trace elements by activation analysis, 25:15531
Determination of Cu by activation analysis in liver, 24:32084
Determination of Hg by activation analysis, 23:35047
Intestinal absorption of metallic mercury, 25:18369
Neutron activation analysis in diagnosis and subsequent control of Morbus Wilson, 25:31851
HENKE, H. Investigations on the mutagenic effect of nitroso compounds, 21:22380
HENKE, Joachim Structure and magnetic properties of Co—W and Co—Mo alloys, 22:10971
HENKE, Manfred Kinetic studies of the preparation of UN, 24:44775
HENKE, R. P. Charged particle tracks in polymers. No. 3: range and energy loss tables, 21:22976 (USNRDL-TR-1102)
Heavy particle apollo astronaut dosimetry, 24:31747
Heavy particle range—energy relations for dielectric nuclear track detectors, 23:7742
Monitoring of highly ionizing charged particles aboard Appolo VIII, 24:39226
Monitoring of highly ionizing charged particles aboard Apollo VIII, 25:44639
New method for charge determination of heavy, cosmic ray particles, 22:10564
Sensitivity enhancement of lexan nuclear track detector, 23:26532
Sensitivity enhancement of plastic nuclear track detectors through photo-oxidation, 24:39227
Sensitivity enhancement of plastic nuclear track detectors through photo-oxidation, 25:44619
HENKE, Richard P. Charged particle tracks in polymers. V, 22:33668 (AD-661796)
Charged particle tracks in polymers. VII, 23:31515 (AD-682922)
HENKEL, Otto Structure and magnetic properties of Co—W and Co—Mo alloys, 22:10971
HENKEL, R. L. Door alarm and interlock system at Los Alamos tandem accelerator facility, 24:30653
Safe handling of large quantities of tritium gas at the Los Alamos tandem accelerator facility, 25:33928
HENKEL, R. P. Decay of superfluid persistent currents, 22:38990
Temperature dependence of the superfluid healing length, 24:6496
HENKEL, Raymond Paul Superfluid density of He II in restricted geometries, 25:43287
HENKEL, Richard L. Door alarm and interlock system at Los Alamos tandem accelerator facility, 24:2448 (LA-4262)
Radiation levels at Los Alamos tandem accelerator facility, 21:26412 (LA-3641)
HENKEL, U. Spin-change collisions in crossed atomic beams, 22:41300
HENKEL, Wolfgang Evaluation of gamma logs from bore samples with the aid of small computers, 22:25519
Interpretation of gamma logs from underground boreholes with the aid of small computers, 22:33561
Use of small computers for evaluation of gamma bore logs, 22:40272 (AEC-tr-6942)
HENKELMANN, R. Activation analysis oxygen determination with fast reactor neutrons, 22:30457
Analytical evaluation of prompt gamma radiation after neutron capture, 25:54451
Analytical use of short-lived nuclides from (n,n') reactions for determination of Y and Pb, 25:20952
Nondestructive rapid determination of fluorine by neutron activation, 23:37924
Oxygen determination by fast neutron activation analysis, 23:24112 (BMwF-FBK-68-58)
Use of fast reactor neutrons for rapid and nondestructive trace analysis especially of O, 21:1275
HENKELS, W. H. Intrinsic fluctuations in the driven Josephson oscillator, 25:40574
HENKER, W. Application of the VA-T-70 B device for mass per unit area profile determinations, 23:50204
HENKIE, Z. Electrical properties of monocrystalline uranium diphosphide, 24:5216
Electrical properties of U$_3$P$_4$ and U$_3$As$_4$ single crystals, 25:40807
HENKIE, Zygmunt Growth of monocrystals of uranium phosphides and uranium arsenides by chemical transport method, 22:27718
HENKIND, Paul Retinal vascular changes following exposure to high-intensity light, 22:49573
HENLE, Gertrude Effect of EBV on leukocyte cultures, 25:16283
Herpes-type virus and chromosome marker in normal leukocytes after growth with irradiated Burkitt cells, 21:41500
HENLE, R. C. Prompt mitigatory action after accidental exposure to radionuclides, 21:36564 (BNWL-SA-962)
Prompt mitigatory action after accidental exposure to radionuclides, 23:24658
HENLE, Werner Effect of EBV on leukocyte cultures, 25:16283
Herpes-type virus and chromosome marker in normal leukocytes after growth with irradiated Burkitt cells, 21:41500
HENLEY, E. A. Jr. Model for γ decay of atomic or nuclear systems, 25:35891
HENLEY, E. M. Direct nuclear reactions as tests of time-reversal invariance, 22:32719
Fission chips, 23:37295
High energy diffractive dissociation of pions and A$_1$, 25:36521
High-energy photonuclear reactions and vector-meson dominance, 25:12151
Inelastic electron scattering and nuclear structure, 24:30875
New dynamic effect in muonic atoms, 22:35378
Nuclear bremsstrahlung as a test of the optical model, 24:15989
Nuclear parity violation and the weak interactions, 25:25811
Nuclear parity violation tests of non-leptonic weak currents, 23:5586
Nuclear probing by muons, 23:37305
Parity forbidden decay of 8.88 MeV ^{16}O state, 24:43120 (RLO-1388-569)
Parity-forbidden decay of 8.88-MeV ^{16}O state, 23:51975
Reaction (^{3}He,pp), 21:40507
Reaction $d + {}^3He \longrightarrow {}^3H + (pp)$, 22:1733
Second class currents and mirror beta decays, 25:53817
Simple model for corrections to the isobaric multiplet mass equation, 24:1915
HENLEY, Ernest J. Advances in nuclear science and technology. IV, 22:20849
Chemistry and physics of high energy reactions, 23:11583
HENLEY, Ernest M. Charge independence and charge symmetry of nuclear forces, 24:40691
Parity and time-reversal invariance in nuclear physics, 24:15616
Parity-nonconserving one-pion-exchange potential, 25:47900
HENLEY, H. L. Method of detecting presence of NaK in inert atmosphere under conditions of ambient pressure and temperature, 23:4853 (NAA-SR-Memo-11848)
HENLEY, L. C. Urinalysis by ion exchange, 21:12277 (CONF-651008-, pp 1-19)
HENLINE, Pamela Argonne code center: compilation of program abstracts, 25:37133 (ANL-7411(Suppl.5))
HENMAN, Lesley Arthur Improvements in fluid couplings, 24:44181
HENMI, Chujiro Cation exchange separation with oxalate, 23:15956
HENMI, Y. Elastic photoproduction of π^0 mesons from deuterium around the $N_1{}^*{}_2(1525)$ resonance, 22:24537
HENMI, Yoshinori Back-up reactor scram device, 23:11361
HENMI, Zenzo Mechanism of age hardening in Elgiloy, 22:17130
Mechanism of precipitation hardening in Cu—Be alloys, 23:51071
Process of precipitation in Cu—Be 25 alloy, 21:4962

- Process of precipitation in Cu—Be 25 alloy, 22:2660
- Recrystallization process in Nb—Ag permalloy, 25:2679
- Rolling and annealing textures in Cu—Be alloys, 22:23783
- Transmission electron microscopy of Cu—Zr—Cr alloy, 24:14746
- HENN, Otto Effects of small radon doses on the Yoshida sarcoma in rats, 24:12265
- HENNAUT, J. Carbon deposition from CO on Fe surfaces, 25:746 (DP-Report-317)
  - Catalytic decomposition of carbon monoxide on pure iron, mild steels, and alloyed steels, 25:11374 (DP-Report-530)
  - Corrosion of stainless steels in high temperature water and steam, 21:13104 (EURAEC-1665)
  - Influence of surface treatment on the corrosion of stainless steels and Zr alloys, 21:30962
  - Solid reaction products of catalytic decomposition of C monoxide on Fe at 550°C, 23:19734
- HENNAUX, L. Absorption of ^{64}Cu in the sheep and rat, 21:12755
- HENNE, Hans Joerg Influence of ionizing radiation on the activity and selectivity for catalytic hydridation of carbon monoxide, 25:21028
- HENNEBERG, D. On the retention behavior of isotope-containing compounds by application of an isotope scan method in a combination of capillary gas chromatography and mass spectroscopy, 22:35917
  - Secondary α—deuterium isotope effects in diazetidine formation from azodicarboxylates and vinyl ethers, 23:43308
- HENNEBERG, P. Lifetimes in ^{14}O, 22:29911
  - Three-body model for ^{6}He, 21:19177
- HENNEBERG, Peter Low-lying 0^{+} states in three-alpha model of ^{12}C, 22:53107
- HENNEBERGER, W. C. Importance of exchange scattering in double ionization of He atoms by electron impact, 22:31630
  - Inequivalence of representations of commutation relations obtained by orthogonal transformations in field theory, 25:59567
- HENNEBERGER, Walter C. Quantization of interacting fields, 25:3440
- HENNEBERRY, T. J. Susceptibility of various stages of Drosophila melanogaster to gamma radiation, 22:10864
- HENNEBRY, H. M. Metallic elements in aquatic environments, 24:14049 (RLO-1750-54, pp 47-50)
- HENNECKE, H. J. Beta decay of ^{193}Os to levels in ^{193}Ir, 24:6940
  - Ground state parity of ^{227}Ac, 22:42043
  - Radiation protection interlock system for 8-MeV ICT tandem accelerator, 25:1663 (AD-709682)
- HENNECKE, Har J. Internal-conversion-electron study of decay of ^{133}Ba to ^{133}Cs, 21:38356
  - Internal-conversion-electron study of the decay of ^{103}Ru, 22:14047
- HENNECKE, J. F. A. Carbon monoxide equilibrium pressures and phase relations during the carbothermic reduction of uranium dioxide, 25:24636
  - Lattice parameter and x-ray powder pattern of U_2C_3, 24:19512
- HENNEKE II, Edmund G. Compilation of elastic wave modes in hexagonal metals, 23:44553
  - Orientation dependence of dislocation damping in hexagonal metals, 23:44554
- HENNEKE II, Edmund George Orientation dependence of vibrational modes and their associated dislocation damping in hexagonal metals, 23:12988
- HENNEL, Jacek W. Proton magnetic relaxation in some liquids, 21:21912 (INP-507/PL)
- HENNELL, M. A. $^{1}/_{2}{}^{+}$ state of ^{3}H and ^{3}He below the break-up threshold. I, 25:38868
  - Application of Faddeev equations to an exactly soluble model, 23:25962
  - Calculation of the triton binding energy, 23:25787
  - Hydrogen-3 and ^{3}He form factors with the HJ potential, 25:22965
  - Triton binding energy calculations with realistic local potentials, 23:8931
  - Triton binding energy calculations with Hamada—Johnston potential, 24:43482
- HENNELLY, E. J. Absorption cross section for ^{237}U, 21:38266
  - Neutron absorption cross section of ^{237}U, 22:9876
  - Plutonium-238 production predictions from available neutron cross sections, 22:27089 (DP-MS-67-118)
  - Production of biomedical-grade ^{238}Pu, 23:2529
  - Resonance self-shielding factors for heavy actinides, 24:28807
- HENNEMANN, G. Genetic damage in progeny of woman treated with ^{131}I. I, 23:41325
- HENNEMANN, H. H. Treatment of polycythemia vera, 22:10859
- HENNEN, G. Human chorionic thyrotropin, 23:26834
- HENNEQUIN, Jean-Francois Emission of Auger electrons by atoms of metallic target subjected to ionic bombardment, 23:25149
  - Energy and angular distribution of secondary ions emitted by aluminum and copper, 21:31478 (ORNL-tr-1708)
  - Energy and angular distributions of secondary ion emission. I, 21:33187
  - Energy and angular distributions of secondary ion emission. III, 23:14604
  - Energy distribution of Auger electrons emitted by light metals under ion bombardment, 25:49709
  - Times of auger de-excitation of holes created by ionic bombardment of a bound electronic level of an atom of the irradiated metal, 22:45967
- HENNER, K. Diagnosis of brain lesion types by gamma encephalography, 21:1787
  - Isotope circulography in vascular disorders of the brain, 21:20310
- HENNESEN, Klaus Determination of Zr in steel, 23:45196
- HENNESS, J. Control of beam spill at PPA, 21:33804 (PPAD-620-E)
  - P.P.A. beam measurement, 22:32364 (PPAD-640-E)
  - Princeton—Pennsylvania beam measurement, 22:46675
- HENNESS, J. M. Analog data break interface, 24:24468 (PPAD-669-E)
  - Analog data break interface, 24:40537
- HENNESSEN, J. A. Activation analysis of normal and atherosclerotic aortas, 23:21672
  - Element imbalances of atherosclerotic aortas, 24:116
- HENNESSEN, John A. Activation analysis of a human abdominal aneurysm, 23:2753
  - Activation analysis of normal and atherosclerotic aortas from rats and man, 22:30497
  - Nuclear methods for the study of zinc metabolism, 21:35858
- HENNESSY, D. Precipitation kinetics in Nb(Cb)—N alloys, 24:32463
- HENNESSY, Daniel Roger Study of precipitation in niobium—nitrogen alloys, 23:32062 (COO-1198-631)
- HENNESSY, J. Experimental results on 8 GeV/c π^{-}-p interactions with two, three and four pions, 21:33613
  - Prog. rpt. on π^{+} 2 π^{-} final states coherently produced on nuclei by 16 GeV/c π^{-}, final, 8/66, 21:33609 (AD-637734)
  - Study of π^{+} 2 π^{-} final states coherently produced on nuclei by 16 GeV/c π^{-}, 21:9710
- HENNEY, J. High-temperature phase-equilibria in the Th—U—C system in the presence of free C, 21:13275
  - Reaction between $SrTiO_3$ and Zr, and studies within the system SrO—TiO_2—ZrO_2, 22:25320 (AERE-R-5671)
  - Surface-diffusion studies on UO_2 and MgO, 22:21707
- HENNI, A. Reactions ^{12}C(d,d), ^{12}C(d,p_0), and ^{12}C(d,p_1), 25:31222
- HENNIES, H. H. Evaluation of cross sections and resonance parameters for ^{235}U, ^{233}U, ^{239}Pu, and ^{241}Pu between Cd-cutoff and 10 keV, 21:5558
  - Evaluation of cross sections and resonance parameters for ^{235}U, ^{233}U, ^{239}Pu, and ^{241}Pu between Cd-cutoff and 10 keV, 21:29962 (NAA-SR-11980(Vol.5))
- HENNIG, D. Properties of the single-channel analyzer VA-W-02, 21:32545
- HENNIG, J. Coupling of space—time and internal symmetry, 23:13114
- HENNIG, K. Behavior of molybdate and technetate in human body, 21:45552
  - Clinical procedures with /sup 99m/Tc—iron complex in renal scintigraphy, 23:2864
  - Diagnostic findings in hypoplasia of the pulmonary artery, 25:42551
  - Diagnostic results of nuclear medicine in polycystic degeneration of kidneys, 25:545
  - Endolymphatic therapy using ^{131}I-labeled lipiodol, 25:52153
  - Experiences with colloidal /sup 99m/Tc, 21:34729
  - Functional deficiency of spleen in hemoblastosis: scintigraphic detection, 23:29619
  - Functional investigations of the spleen in hemoblastosis, 23:38650
  - Investigation of splenic function with altered erythrocytes marked with radiochromium, 21:43485
  - Iron ions in ^{57}Fe-doped AgCl using Moessbauer effect, 22:24410 (JINR-P14-3776)
  - Liver scintigraphy with sodium molybdate labeled with ^{99}Mo and ^{131}I rose bengal, 21:45739
  - Nephrographic investigations of renal tuberculosis, 21:34728
  - Results of endolymphatic therapy in malignant lymphomas, 25:39896
  - Results of lung scintigraphy in silicosis, 25:11134
  - Results of radioiodine therapy in hyperthyroidism, 22:15105
  - Results of scintigraphic investigations in progressive pulmonary dystrophy, 22:51676
  - Scintigraphic and angiographic diagnosis of kidney tumors, 24:21233
  - Scintigraphic findings in renal tumors, 24:776
  - Scintigraphy of liver with ^{99}Mo-labeled sodium molybdate, 21:18093
  - States of iron impurity ions in AgCl and NaCl investigated by Moessbauer method, 22:34797
  - Statistical investigations for contrast intensification in scintigraphy, 21:43486
  - Study of iron ions in ^{57}Fe-doped AgCl using Moessbauer effect, 22:34798
  - Suitability of technetium-labeled erythrocytes for the examinations of the splenic function, 25:42570
  - Technetium-99m for functional and morphological thyroid diagnosis, 22:19386
- HENNIG, R. J. Cost effectiveness analysis in FFTF design, 21:38695
  - Prog. rpt. on fuel re-use, 7/68. II, 22:42162 (BNWL-254)
- HENNIG, Robert J. Minimizing the effects of flux gradient in a reactor, 21:5712
- HENNING, C. D. Engineering the baseball magnet system, 25:36200 (UCRL-73067)
  - Large superconducting baseball magnet. I, 22:52732 (UCRL-71010)
  - Large superconducting baseball magnet, 24:5113
  - Large superconducting baseball magnet. II, 25:49925 (UCRL-71010(Pt.2))
  - Stability in superconducting magnets, 25:7352 (UCRL-72330)
  - Superconducting devices and applications, 24:10469
  - Testing composite superconductor, 24:5114
  - Transient response of an intrinsic thermocouple, 21:28164
- HENNING, Carl D. Baseball seam magnet with variable magnetic field, 24:15268
  - Cryogenic electrical leads, 22:47267 (UCRL-71150)
  - Large superconducting magnets, 22:41503 (UCRL-71077)
  - Lightweight superconducting magnet for a cosmic ray experiment, 21:45458 (UCRL-70285(Rev.1))
  - Magnetic field and force by finite element techniques, 23:25240 (UCRL-71538)
  - Method for making baseball seam magnetic coils, 23:44462
  - Stability of multifilament superconductors, 23:23026 (UCRL-71537)
  - Superconducting baseball coil for plasma confinement, 21:23155 (UCRL-70380)
  - Testing composite superconductor for LRL baseball magnet, 22:46116 (UCRL-71022)
- HENNING, H. Movable flooring contamination monitor, 23:21942 (SZS-16/68)
  - Stark broadening of hydrogen Balmer lines in plasmas, 23:16786
  - Temperature determination from intensity ratio I(triplet)/I(singlet) of two HeI lines in nonthermal plasma, 22:1161
- HENNING, H. J. Deformation processing of stainless steel, 21:30982 (RSIC-602)
  - Forging materials and practices, 23:18237
- HENNING, J. Construction of a polarized particle source for the application to a pressurized high-voltage terminal, 21:21344
  - Turbo-molecular pumps in nuclear engineering, 24:2438
- HENNING, J. E. Continuous glass coating of fine metal wires, 23:51019
- HENNING, J. J. Positive definite particle densities for solutions of Klein—Gordon equation, 25:19929
  - Probability density for a square integrable Klein—Gordon field with interaction, 23:30810
- HENNING, K. Application of small semiconductors to direct measurement of neutron flux profiles in reactor core in zero power experiments, 22:37989 (CONF-670545, pp 191-9)
  - Facility for zero-power experiments with liquid-moderated cores, 21:42822
  - Incore neutron flux density measurements with small semiconductor detectors, 22:46987
  - Safety-design aspects of nuclear-powered ship Otto Hahn, 22:53404
  - Zero power experiment with the FDR core, 22:46984
- HENNING, K. D. Van de Graaff measurements with proton-recoil counter and rem-counter measurements at research reactor Geesthacht, 21:43289
- HENNING, K. H. Radioactivity distribution in granitic rock of the Brockenmassif (Harz), 21:3197
- HENNING, W. Absence of induced magnetic fields at Gd nuclei in $GdFe_2$, 23:23298
  - Change of nuclear charge radii by collective excitations, 22:27192
  - Change of the mean square nuclear charge radius in rotational excitation, 23:5935
  - Conduction-electron density at the nucleus in Sm and Dy metal, 23:5476
  - Hyperfine anomaly in ^{193}Ir by Moessbauer effect, 23:49017
  - Isomer shift and quadrupole splitting of the 2^{+}-rotational state in ^{174}Yb, 25:20399
  - Isomer shift of the 123-keV gamma rays of ^{154}Gd, 23:23711
  - Isomer shifts of 81-keV γ line of ^{133}Cs, 22:9908
  - Isomer shifts of 87- and 89-keV γ rays of ^{155}Gd and ^{156}Gd, 22:46775
  - Isomer shifts of the first and second excited levels of the ground-state rotational band in ^{171}Yb, 25:7872
  - Magnetic moment and charge radium of 83.4-keV rotational state in ^{153}Eu, 23:7302
  - Moessbauer effect and magnetic moment of the 75.9 keV level in ^{171}Yb, 21:12032
  - Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:3716
  - Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:46784
  - Photo effect and nuclear resonance absorption for Moessbauer El gamma rays, 24:24186
- HENNINGER, E. H. Structure and correlation in liquid alloys by x-ray and neutron diffraction, 21:13187 (CONF-660935-3)
  - Structure and correlation in liquid alloys by x-ray and neutron diffraction, 22:28820
- HENNINGER, R. J. Design of intermediate-energy neutron spectrometers and their calibration with photoneutrons, 25:4364
- HENNINGER, Rudolph J. Development of neutron leakage spectrometers with emphasis on keV range, 25:23840 (UCRL-20148)
- HENNINGER, W. A. Determination of airborne radioactivity during NERVA reactor testing, 21:38637
  - Nuclear data library for the fission product program, 22:27091 (WANL-TME-574(Rev.1))
- HENNINGER, Yolande Pyroelectric properties of some substances and their application to infrared detection, 21:45375 (UCRL-Trans-10127)
- HENNINGS, Detlev Range of existence of perovskite phases in the system PbO—TiO_2—La_2O_3, 25:38018
- HENNINGS, Henry Comparison of cytotoxicity of hydroxyurea in normal and rapidly proliferating epidermis and small intestine in mice, 25:24386
- HENNINGS, U. AVR Pebble Bed Reactor, 21:15741
  - Feeding plant for fuel elements of a pebble bed reactor, 25:1903
  - Fuel handling system for core elements of a pebble bed reactor, 23:52366
  - HTR—construction line with advanced converter reactors, 24:24790
  - Integrated steam generators of the THTR, 23:28479
  - Remote handling system for core elements of a Pebble-Bed Reactor, 23:4262
  - System design of reactor charging equipment based on reliability considerations, 25:6039 (RISO-214, pp 213-46)
  - THTR-prototype nuclear power plant, 23:21439
- HENNINGS, Uwe Layout and arrangement of a reactor, 24:16199
- HENNINGSON, P. J. Effect of subcooling on the onset of transition boiling, 24:5793
- HENNION, B. Neutron guiding tube at the EL3 reactor, 24:11282

HENNION, F. Buildup of a plasma in a magnetic well with a multienergy and multiangle neutral atom injection system, 25:1160 (CEA-CONF-1604)
Electrostatic instability due to a density gradient for a distribution function having a loss cone, 22:13518 (UCRL-Trans-10203)
Filling of a magnetic well by injection of neutral atoms at various angles and energies, 25:11859 (EUR-CEA-FC-563)
High frequency electrostatic instabilities in an inhomogeneous plasma, 23:46491 (CEA-CONF-1305)
High-frequency electrostatic instabilities propagating purely transverse to the magnetic field, 23:51735
Superconducting quadrupolar coil for a neutral atom multi-injection experiment, 25:7407 (CEA-CONF-1663)
Synthesis report on the project of neutral particle injection in a quadrupolar coil, 25:45446 (EUR-CEA-FC-591)
Technical study of a superconducting quadrupolar coil, 25:38511 (EUR-CEA-FC-580)
Vacuum and neutral beam production in the multi-injection experiment in a quadrupolar coil, 25:38130 (EUR-CEA-FC-587)
HENNION, Francois Study of microinstabilities due to an anisotropic velocity distribution function of the particles of a homogeneous plasma, 21:9619 (CEA-R-3074)
HENNION, J. Comparison of ten low-alloy steels normalized and tempered for nuclear reactor vessels, 22:52160 (EURAEC-2051)
HENNY, L. Measurement and monitoring of the ejected proton beam 58 of the CERN proton synchrotron, 21:38139
HENNY, Robert W. Schooner ejecta studies, 24:41561 (CONF-700101-(Vol.2), pp 1746-70)
HENO, Y. Nuclear photoactivation of ^{77}Se, ^{107} ^{109}Ar, ^{111}Cd, ^{115}In, and ^{199}Hg, 24:6855
Research on nuclear photoactivation by x-rays, 21:30344 (EUR-3298.f)
HENO, Yvonne Nuclear photoactivation of selenium, 21:9985
Photoexcitation of low-energy nuclear levels of ^{115}In, 22:32660
Photoionization cross section of Au and Bi in region of very soft x rays, 21:23017
HENON, M. Calculation of perturbations of stellar velocities, 24:39741 (LA-4460-TR)
Dynamic evolution of globular clusters, 24:30065 (LA-4406-TR)
Escape of stars from isolated clusters, 24:48919 (LA-4398-TR)
Initial collapse and dynamical mixing of a spherical cluster, 21:31175
Rates of escape from isolated clusters, 23:39117
HENON, Michel Collective motions in a spherical star cluster, 21:43699 (NASA-SP-153, pp 349-64)
Collective motions in a spherical star cluster, 23:30207
Monte Carlo methods in stellar dynamics, 21:43694 (NASA-SP-153, pp 295-8)
N-body problem in astronomy and in physics of plasmas, 25:22327
HENOUX, J. C. Isotopes of magnesium in the solar atmosphere, 25:58597
Model of sunspot umbra, 23:41855
Peculiarity of the π component of a normal triplet in umbra of a sunspot, 22:43795
Study of the b triplet of magnesium in the disk and the chromosphere, 21:6951
HENOUX, J.-C. Thermal umbral model of a base spot by continuum infrared spectrophotometry, 23:6855
HENRARD, Jacques Haloing effect of the third integral, 24:32534
HENRI, V. P. K^+n charge exchange reaction at 3 GeV/c, 22:50304
Phase shift analysis of K^+p elastic scattering at 780 MeV/c, 21:18919
Reactions $K^+p \rightarrow K^*N^*$ at 3.5 and 5 GeV/c, 21:27312
Study of reactions $K^+p \rightarrow K\pi N$ at 735 and 785 MeV/c, 22:3422
Two-body channels in the interactions of 3, 3.5, and 5 GeV/c positive kaons on H, 21:7468
HENRI, Victor P. Elastic scattering $K\pi$ studied by Chew—Low extrapolation method, 24:30502 (CONF-690521-, pp 487-507)
HENRICH, E. Dependence of the chemical behaviour of molybdenum recoil atoms in metal carbonyls on the energy and the isotope, 25:15717
Dependency of chemical behavior of Mo recoil atoms in metal carbonyls on energy and isotope, 24:13873 (KFK-1067)
HENRICH, Victor Eugene Acoustoelectric effect, ultrasonic attenuation and trapped in cadmium sulfide, 22:34741 (COO-1112-157)
HENRICHS, H. Licensing procedure for nuclear power stations according to atomic law of U. S. A, 22:39815
HENRICHS, J. M. Gas phase ESR spectra of ^{31}P, ^{75}As, ^{121}Sb, and ^{123}Sb, 25:36345
HENRICHSEN, K. N. Permeameter, 22:11803
HENRICKSEN, Thormod Irradiation of dihydrothymine in frozen sulfuric acid solutions, 24:33708 (UCRL-19420, pp 56-63)
HENRICKSON, J. F. Structure and properties of sputtered Ta—Al_2O_3 cermet thin films, 24:8112
HENRICSON, B. Roentgen x ray effects on ovaries, 25:21885
Wholesomeness of γ-irradiated potatoes. III, 21:16556
HENRICSON, Bengt Effect of ^{90}Sr on ovaries of fetal mouse, 24:23320 (CONF-690501-, pp 313-24)
Wholesomeness of γ-irradiated potatoes, 21:16557
HENRICSSON, B. Effects of radiostrontium and roentgen rays on germ cells of male mice, 22:8629
HENRIE, J. O. Atomics International's L-88 nuclear reactor for neutron radiography, 25:57128
Development and use of standards for LMFBR, 25:46277 (CONF-710315-12)
HENRIE, T. A. Direct electrolysis of rare-earth oxides to metals and alloys in fluoride melts, 22:23728 (CONF-670502-, pp 714-27)
Electrotransport of impurities in rare-earth metals, using a pulsed current, 25:22047 (BM-RI-7480)
Electrowinning and tapping of lanthanum metal, 21:24723 (BM-RI-6882)
Electrowinning high-purity neodymium, praseodymium, and didymium metals from their oxides, 21:26764 (BM-RI-6957)
Field freezing of a cerium—iron alloy, 23:30048 (BM-RI-7186)
Preparation of cobalt—rare-earth alloys, 23:10179
Solid-state electromigration of impurities in cerium metal, 21:32837 (BM-RI-6894)
HENRIE, Thomas A. Conference on 8th rare earth research, Reno, Nev., 4/70, 25:683 (CONF-700403-(Vol.2))
Conference on 8th rare earth research, Reno, Nev., 4/70, 25:682 (CONF-700403-(Vol.1))
Conference on electrometallurgy, Cleveland, 12/68, 24:48809
HENRIET, D. Amperometric determination of cerium in steels and cast irons, 23:24085
HENRIETTE, J. Steam cooled fast reactor with prestressed concrete vessel, 22:44816 (EURFNR-522)
HENRIKSEN, L. Combination of an electron microscope and a heavy-ion accelerator, 25:2507
Irradiation damage in Al single crystals produced by 50-keV Al and Cu ions, 22:26486
Rows of dislocation loops in aluminum irradiated by aluminium ions, 21:37591
HENRIKSEN, Peter Nygaard Phase separation and superfluid transition in ^{3}He—^{4}He mixtures under pressure, 23:46420
HENRIKSEN, R. N. Alignment of an oblique spheroidal rotator through electromagnetic and gravitational radiation, 24:39786
Evolution of a stabilized oblique rotator: behavior over short and long time scales, 25:47266
Force-free magnetic fields of current interest, 22:8939
Pulsar number-period distributions and oblique rotator, 25:13836
Pulsar wobble, 25:35699
Relativistic stellar wind theory: near zone solutions, 25:38050
Shell instability of Pleione, 23:39098
Shock waves in self-similar hydromagnetic shear flow, 24:15322
HENRIKSEN, T. Destruction of free radicals by radiation, 25:39532
HENRIKSEN, Thormod Effect of crystal dimensions on the yield of radiation induced radicals in organic substances, 21:14268
Effect of oxygen on radiation-induced free radicals in proteins, 22:10703
Electron spin resonance studies of irradiated single crystals of dihydrothymine, 24:27159
ESR studies of the mechanisms for radical formation in irradiated frozen sulfuric acid solutions of thymine, 25:29134
Free radicals and their interactions in solid molecular mixtures, 22:6734
Free-radical production by heavy ions at 77°K and its relation to the thermal spike theory, 24:38923
Irradiation of dihydrothymine in frozen sulfuric acid solutions, 24:18989
Kinetics for free-radical conversion processes in irradiated D,L-valine, 24:36318
Production of free radicals in organic solids by thermal hydrogen atoms, 23:45672
Radiation-induced free radicals in frozen nitric acid solutions, 24:9387
Radiation-induced organic S radicals at 77°K, 21:14267
Radiation-induced radicals in thymidine single crystals at 77°K, 24:46586
Radiation-induced radicals in thymine, 24:29319
Radiation-induced unpaired spins in frozen aqueous mixtures, 22:45439
Radicals induced in thymine and some of its derivatives by radiation, 24:222
Transfer of radiation energy between different solutes in frozen aqueous solutions, 22:36194
HENRIKSON, C. O. Effect of irradiation in high doses on parotid glands, 25:42699
HENRIKSON, H. E. Mini-magnet, 24:39391
HENRIKSON, Sture Corrosion tests of stainless steels in flowing Baltic Sea water, 25:49351 (CONF-710520-1)
HENRIKSSON, S. Release of radioactive material in event of destruction of full Type A package, 23:588 (CONF-681001-, pp 646-62)
HENRION, J. New graphical method for the analysis of gamma spectra, 23:2637
HENRION, P. N. Kinetics of reaction of UO_2, NpO_2, and $(U,Pu)O_2$ with F, 25:54736
HENRY, A. F. Asymmetric source method of measuring reactor shutdown, 22:32811
Computational methods for space-time kinetics, 23:40424 (CONF-690401-, pp 3-15)
New solution of the point kinetics equations, 25:6150
Spectral effects in multigroup kinetics, 23:37703
WIGL2, 21:27696 (WAPD-TM-532(Add.1))
WIGL3: program for steady-state and transient solution of diffusion equation, 23:19552 (WAPD-TM-788)
HENRY, B. Compatibility of Zr—2.5 percent Nb samples with Na at 400°C, 25:44998 (EUR-4460)
Compatibility of Zr-2.5 percent Nb/Na at 400°C, 25:52298 (EUR-4460)
Thermal insulation of a reactor pressure tube by internal coating with sprayed zirconium oxide, 24:16323 (EUR-4400)
Thermal resistance and stability of Al—3 percent Mg alloy tubes, 23:12324
HENRY, B. R. Isotope effect on the triplet lifetime of partially deuterated naphthalenes, 23:33200
HENRY, Bernard Duct for a nuclear reactor, 24:11193
HENRY, C. Daniel Theoretical nuclear analysis of MH-1A: Cores 2 and 3, 25:60203 (AD-721019)
HENRY, C. N. Applications of neutron interrogation to assay of fissionable material, 22:47075 (LA-DC-9848)
Applications of neutron interrogation to assay of fissionable material, 23:2230
Cross section for the delayed-neutron yield from the $^{17}O(n,p)^{17}N$ reaction at 14.1 MeV, 24:6834
Cross section for the delayed-neutron yield from $^{17}O(n,p)^{17}N$, 24:22081
Decay of thermalized neutron fields in graphite, 22:3597
Delayed neutron kinetic response methods for nondestructive assay of reactor fuel materials, 23:24101 (LA-DC-9758)
Delayed neutron kinetic response methods of assay, 23:24102 (LA-DC-9759)
Delayed-neutron kinetic response methods of nondestructive assay, 23:2229
Neutron interrogation and delayed neutron assay of fissionable material scrap, 23:24100 (LA-DC-9757)
HENRY, Doris Production of nuclear fragments of ^{8}Li in interactions of antiprotons at 5 GeV/c, 21:46687
HENRY, E. M. Screening constants and transition energies, 23:36492
HENRY, E. Michael Compton effect and electron binding, 21:9324
HENRY, Eugene Michael Incoherent photon scattering from bound electrons, 24:18142
HENRY, G. R. Distribution of blackbody cavity radiation in a moving frame of reference, 23:14585
Distribution of pulsar duty cycles, 24:10261
Double-coincidence trident experiments, 22:3341
g-factor anomaly of the muon, 24:1536
Spin and orbital motions of a particle in a homogeneous magnetic field, 23:32691
HENRY, G. Reading Differential-cross-section dip in quantum electrodynamics, 21:15287
Furry's theorem and interference of electrodynamic amplitudes, 22:20322
Model for astronomical pulsed radio sources, 22:43756
Quantized liquid drop and some ground-state nuclear properties, 23:15497
Simple formula for quasi-elastic electron scattering, 21:2790
Simple formula for the Drell—Walecka form factors in quasi-elastic electrodynamic processes, 21:31872
Trident production with nuclear targets, 21:18964
HENRY, George A. Energy transfer and radiation protection in the radiolysis of poly(methylmethacrylate) stereoisomers and copolymers, 22:2095 (COO-1224-15)
HENRY, George Arthur Energy transfer and radiation protection in radiolysis of poly(methylmethacrylate) stereoisomers and copolymers, 22:35856
HENRY, H. L. Administrative controls on reactor experiments, 21:40544 (BNWL-SA-1360)
HENRY, J. Use of radiogold in the treatment of ovarian cancer, 23:48246
Use of radioiodide in treatment of thyroid diseases, 23:48244
HENRY, J. F. Radiocatalysis in application to fuel cells, 21:36265 (BNL-tr-142)
HENRY, J. J. Capacitance gage for dimensional measurement, 25:28910 (Y-1783)
Electronic fringe signal detection circuitry for length-measuring interferometers, 21:12555 (Y-1566)
Thermistor temperature control circuit, 22:12687 (Y-1602)
Velocity readout system for an impact test machine, 22:35743 (Y-1619)
HENRY, J. L. Solubility of nitrogen in alpha vanadium, 25:55475
Vanadium—oxygen system, 24:32512
HENRY, Jack L. Hot hardness, thermal diffusivity, and electrical resistivity of uranium oxycarbides, 24:34954
Phase relations in the U—Pu—C—O—N system, 24:6283
Phase relations in UC region of U—C—O at 1,700°C, 21:28835 (BM-RI-6968)
Quaternary system U—C—O—N at 1700°C, 23:6746
Survey of the sodium—water reaction and reaction products, 25:23553 (USBM-RC-1469)
System U—C—O—N at 1700 C, 24:1095
HENRY, K. H. Condensate recycle: a method of reducing radioactive discharges to the ground from the Hanford Purex Plant, 24:50492 (ARH-SA-68)
HENRY, K. J. Location and repair of a leak in Dounreay fast reactor primary circuit, 23:43059
Location and repair of the DFR leak, 23:2050
Review of operation of Dounreay fast reactor, 22:18522
Technical description of PFR, 25:57013
HENRY, K. M. Calibration of Bonner ball neutron detectors used at Tower Shielding Facility, 25:42055 (ORNL-TM-3465)
Spectra of uncollided fission neutrons transmitted through thick samples of N, O, C, and Pb: minima in total cross sections, 21:21442
HENRY, K. M. Jr. Low-energy neutron spectrum of ORNL tower shielding reactor beam, 24:46089 (ORNL-TM-3098)
HENRY, Kenneth W. Technique for measuring pressure, volume, enthalpy, and resistance of equilibrium thermodynamic states of liquid metals at high temperatures and pressures, 25:35342 (UCRL-51035)
HENRY, L. C. Direct compensation for intensity losses due to random-summing effects in solid-state and scintillation spectrometers, 23:26568
Intermediate energy gamma-ray cross sections, 25:36799
Lifetime measurement of the 46-keV state in ^{74}As, 22:50588
HENRY, P. Verification on the phantom of variations in isotopic placental localization, 24:25535
HENRY, P. S. Coaxial gun development, 22:1252 (LA-3770, Paper E2)
Isotropy of the 3K background, 25:45281

- HENRY, Patrick M. Palladium(II)-catalyzed exchange and isomerization reactions. I. The exchange of enol acetates with acetic acid catalyzed by palladium(II) chloride, 25:54557
- HENRY, Paul M. Variational lower bounds on electron—hydrogen s-wave phase shifts, 21:11441
- HENRY, Paul Maxwell Variational lower bounds on electron hydrogen s-wave phase shifts, 21:18461
- HENRY, Philippe Rapid evaluation of neutron dose following criticality accident, 21:10855 (CEA-R-3083)
  - Use of extra-renal purification methods in the treatment of tritiated water contamination, 24:39496 (CEA-R-3974)
- HENRY, R. Irradiation of hands during preparation of /sup 99m/Tc and /sup 113m/In labeled compounds, 25:26768
  - Preparation of ^{60}Co with help of aluminosilicates, 23:259
  - Process for the preparation of a radioactive source, 23:21901
- HENRY, R. C. Absence of pulsar characteristics in x-ray sources, 23:12473
  - Far-ultraviolet spectral intensity of B3 V star, 22:49899
  - Intensity of soft x-ray background flux: reply to Bowyer and Field, 24:15118
  - Possible detection of a dense intergalactic plasma, 22:41178
  - Soft x-rays from Scorpius X-1, 22:49906
  - X rays from Coma cluster of galaxies, 25:35799
  - X-ray line emission from Scorpius XR-1, 23:22751
  - X-ray pulsar in Crab Nebula, 23:27259
  - X-ray spectra of several discrete cosmic sources, 23:39174
  - X-ray spectra of several discrete cosmic sources, 24:37054 (AD-684098)
- HENRY, R. E. Pressure-pulse propagation in two-phase one- and two-component mixtures, 25:37035 (ANL-7792)
  - Propagation velocity of pressure waves in two-phase mixtures and the dependency on flow regimes, 22:33181
- HENRY, R. J. W. Calculation of electron scattering and photoionization cross sections, 25:2903
  - Calculations on scattering of electrons by atomic systems with configurations 2p/sup q/, 21:28977
  - Multichannel photo-ionization of atomic systems, 21:11443
  - Scattering of electrons by atomic systems with configurations 2p/sup q/ and 3p/sup q/, 21:35011 (N-67-18195)
- HENRY, R. N. Zirconium fuel reprocessing campaign of 1970, 25:37459 (IN-1471)
- HENRY, R. P. Current ratios in coaxial plasma accelerators, 24:19914
  - Properties of materials used in vacuum techniques, 24:31673
- HENRY, Richard C. Excess background radiation of soft x rays at the galactic pole and plane, 25:11653
  - Far-ultraviolet interstellar absorption in Orion and Monoceros, 25:35785
  - Far-ultraviolet photography of Orion: interstellar dust, 25:932
  - K-line photometry of A stars, 23:16573
  - Lack of neutral H in M5 and M14, 21:6915
  - Metal abundance in A stars, 22:29037
  - Stars exceptionally bright at 1500 A, 25:6934
  - Variation of metal abundance in stars in population I clusters, 25:32915
  - X-ray spectra of Crab Nebula and NP 0532, 25:16675
- HENRY, Richard Conn K-line photometry of A stars, 22:13208
- HENRY, Robert Calorimetric measurement of strong γ-emitting sources, 22:51252 (CEA-R-3502)
  - Process for the preparation of a radioactive source, 21:15966
- HENRY, Robert E. Critical discharge of initially saturated or subcooled liquid, 24:7163
  - Critical flow of steam-water mixtures, 23:35406
  - Experimental study of low-quality, steam-water critical flow at moderate pressures, 25:8064 (ANL-7740)
  - Experiments on entrained gas detection, 25:41432
  - Gas detection with a choked converging-diverging nozzle, 25:6047
  - Measurement of throat pressure in flashing sodium critical flow, 24:33300
  - One-component two-phase ciritcal flow at low qualities, 22:4347
  - Study of one-and two-component, two-phase critical flows at low qualities, 22:49013 (ANL-7430)
  - Two-phase critical discharge of initially saturated or subcooled liquid, 24:46423
  - Two-phase critical flow at low qualities. Part I. Experimental, 24:33839
  - Two-phase critical flow at low qualities. Part II. Analysis, 24:33840
- HENRY, Roger Pearson Ion-slip limitations on currents in Hall-effect plasma accelerators, 25:7422
- HENRY, Ronald A. Infrared spectra of some 5-aminotetrazoles and their deuterated derivatives, 21:21936
- HENRY, Ronald J. Elastic scattering from atomic oxygen and photodetachment from O, 21:43816
- HENRY, Ronald J. W. Cross sections for O, N, and Ne, 23:12461
  - Photoionization cross sections for atomic oxygen, 22:9021
  - Photoionization cross sections for N and O$^+$, 22:31613
  - Photoionization cross-sections for atoms and ions of carbon, nitrogen, oxygen, and neon, 24:47024
  - Photoionization cross-sections for atoms and ions of sulfur, 25:45185
  - Polarization and exchange effects in low-energy electron—H_2 scattering, 23:32185
  - Polarization and exchange effects in low-energy-electron—D_2 scattering, 25:38163
  - Polarization in low-energy electron scattering: C and N, 22:38757
  - Polarization potential in low-energy electron—H_2 scattering, 22:41372
  - Scattering of electrons by C, N, O, N$^+$, O$^+$, and O^{2+}, 23:12550
  - Vibrational and rotational excitation of molecular hydrogen by electron impact, 24:51443
- HENRY, Victor D. Ceric and ferrous dosimeters for the 50 to 1500 rad range, 21:6312
- HENRY, W. E. Application of intense magnetic fields to study of ferromagnetic interactions in dilute alloys of iron in gold, 22:22224
- HENRY, W. G. Quasi-independent model for atomic structure calculations, 24:6376
- HENRY, W. H. High-energy calibration, 23:50498
  - Production of low x-ray exposure rates, 25:49023
- HENRY, W. M. Determination of oxygen—zirconium ratio in oxygen-deficient zirconia, 22:8021
  - Development and application of methods for analyses of research materials, 21:17563 (ARL-67-0002)
- HENRY-BEZY, G. Description of the components of the Saclay Linear Accelerator. I, 24:24475
- HENRY III, Charles D. SM-1 core III 3.5 MWYR core physics report, 25:44176 (AD-715850)
  - Sm-1A 20.3 MWYR Core III physics tests, 24:52983 (AD-707935)
- HENRY III, Leonard Francis Studies of plastic deformation in the zinc—cadmium and copper—aluminum alloy systems, 25:4783
- HENRYSON II, H. Application of space-energy factorization to LMFBR diffusion theory calculations, 25:41401
  - Applications of space-energy factorization to the solution of static fast-reactor neutronics problems, 25:57170 (CONF-710302-(Vol.2), pp 953-67)
  - ARC system cross-section homogenization and modification capabilities, 25:56614 (ANL-7714)
  - System aspects and interface data sets of the Argonne Reactor Computation (ARC) System, 25:46337 (ANL-7711)
  - Users experience with the ARC system, 25:57142 (CONF-710302-(Vol.1), pp 478-93)
- HENRYSON II, Herbert Multigroup elastic scattering cross sections for heavy elements, 25:23046
  - Solution of one-velocity transport equation, 23:33106
  - Solution of the one-velocity transport equation in terms of synthetic kernels, 24:15764
- HENSCHEID, J. W. ATR startup physics: measurements and predictions, 22:33076
  - ATR startup, zero-power experiments, and comparison with ATR critical facility, 22:50805 (IN-1136)
  - Summary of data from ATRC experimental program, 21:17519 (IN-1053)
  - Summary of ETR Critical Facility safety analysis information, 25:60149 (ANCR-1002)
- HENSCHKE, U. K. Interstitial irradiation of apical lung cancer, 25:46931
- HENSCHKE, Ulrich K. Future of radiotherapy in the treatment of uterine carcinoma, 21:6579
  - Teletherapy machine and installation therefor, 22:42949
  - Therapy of recurrent cancer of nasopharynx, 22:49430
- HENSE, K. Seven-bit analog-to-digital converter for nanosecond pulses, 23:11912
- HENSE, L. Hard-facing with niobium-containing electrodes for hand-welding in sinterplants, 23:51025
- HENSEL, John C. Proceedings of the Tenth International Conference on the Physics of Semiconductors, Cambridge, Mass., 8/17—21/70, 25:3185 (CONF-700801)
- HENSHALL, J. B. Cryogenics in the nuclear rocket program, 23:43178
  - Interaction of control valves with oscillations generated in water to hydrogen heat exchanger, 22:45241 (LA-DC-9781)
  - Use of an on-line computer in the testing of phototype nuclear rocket engines, 22:35566 (LA-DC-9460)
- HENSHAW, J. Fabricating B composite with metal, 24:14905
- HENSKENS, A. Can atomic energy compete with traditional fuels in electricity production, 25:23142
- HENSLER, Charles John Ultraviolet absorption and fluorescence study of 1, 10-phenanthroline and related compounds in aqueous solution, 24:31168 (IS-T-349)
- HENSLER, D. H. Reactively sputtered thin films in V—O system, 23:28788
- HENSLER, J. Raymond Radiation effects in quartz, silica, and glasses, 22:26095
- HENSLEY, D. C. Identification of the atomic number of nobelium by an x-ray technique, 25:36778
  - Investigation of the ^{207}Pb(α,d)^{209}Bi reaction, 25:46029
  - Measurement of the mass of ^{9}Li, 25:28175
  - Nuclear masses of ^{9}C and corresponding analog state of ^{9}B, 22:20471
  - System for multiparameter pulse height analysis with repeated use of a single, fast ADC, 25:59668
  - T = $^3/_2$ states in ^{21}Ne, 23:1834
  - T = 2 states in ^{16}N, 22:20459
  - Use of arrays smaller than implied by the range of descriptors for multiparameter pulse height analysis, 25:59667
- HENSLEY, David C. Investigation of a new state in ^{15}O near the ^{14}N + p threshold, 21:16781
- HENSLEY, David Cecil Study of the bound states of ^{15}O and a study of T = $^3/_2$ states in ^{13}C, ^{17}O, and ^{21}Ne, 24:47573
- HENSLEY, E. B. Negative-ion vacancies in irradiated MgO, 22:41675
- HENSLEY, G. Reliability analysis of mechanical equipments and systems, 24:50131
  - Reliability prediction of mechanical instrumentation equipment for process control, 25:6189 (RISO-214, pp 11-20)
- HENSLEY, J. D. Investigation of a remote temperature sensor for cutting tools, 25:26147 (Y-DA-4098)
  - Machining Type AM 363 stainless steel, 24:23439 (Y-SC-3)
- HENSLEY, W. 65-MeV He ion-induced fission of ^{194}Pt, ^{195}Pt, and ^{196}Pt, 23:31030
- HENSLEY, W. K. Helium ion-induced fission of ^{206}Pb, 24:38256
- HENSLEY, W. R. Preparation of control tape for an R-THETA inspection machine, 25:28907 (Y-1725)
- HENSON, Edward Alpha amine alcohols as products of a reductive side reaction of denatured collagen with sodium borohydride, 24:27078
- HENSON, F. W. Standard leak temperature controller, 23:31268 (Y-1668)
- HENSON, R. M. Magnetic shielding of current feeds in plasma containment systems, 22:36886
- HENSON, R. W. Effect of irradiation temperature on the scattering of long wavelength neutrons by defects in neutron-irradiated graphite, 21:33534
  - Lattice parameter and dimensional changes in graphite irradiated between 300 and 1350°C, 23:12442
- HENSON, S. H. E2 transition strengths between (1f/sub $^7/_2$/)$^{n-2}$ states of ^{42}Ca, ^{50}Ti, and ^{54}Fe, 25:7837
  - Lifetime of the 3.86-MeV state in ^{13}C, 24:22085
  - Recoil-distance lifetime measurements for states in ^{30}P, 25:31279
- HENSON, Sylvestus Hyatte Experimental study of γ-ray transition probabilities with the recoil-distance and the delayed-coincidence techniques, 25:59771
- HENSON, W. R. Superconductive properties of the excitonic insulator, 24:42637
- HENSON, Wallace Ray Properties of the excitonic insulator, 25:9367
- HENSSEN, H. Consideration of nonmoderating collisions in tubes for resonance absorption, 24:50230
  - Theoretical design of FDR core and comparison with experimental results from zero-power experiment, 22:46985
- HENTHORNE, M. Intergranular corrosion resistance of Carpenter 20Cb-3, 25:47087
- HENTLEY, E. L. Superconducting magnet for an 8-mm travelling-wave maser, 21:43980
- HENTRICH, W. Use of ^{32}P in mutation breeding in summer wheat, 21:20146
- HENTSCHEL, E. Double scattering arrangement for the production of polarized protons, 23:34699
  - Inelastic scattering of polarized protons on ^{28}Si, 24:22119
  - Proton scattering on selenium isotopes, 24:35846
  - Scattering of polarized protons by selenium isotopes, 21:21497
  - Scattering of polarized protons on selenium, 23:21302 (ZFK-130, pp 155-7)
- HENTSCHEL, G. Earthquake protection for nuclear reactors, 25:54151 (A/CONF.49/P-672)
  - High-pressure gas scintillation detectors with position-independent pulse height, 22:6607
  - Neutron polarization from reaction ^{3}H(d,n)^{4}He at 70°(lab.) at deuteron energies below 2 MeV, 23:1780
  - Polarization of 15-MeV neutrons by scattering on light nuclei, 25:53638
- HENTSCHEL, G. H. Measures provided at the Muehleberg nuclear power plant for protection of the population, 25:20684
- HENTSCHEL, Gerhard Apparatus for separating a liquid from solid, 24:16630
- HENTSCHEL, Guenther Polarization of neutrons from reaction ^{3}H(d,n)^{4}He at 70°, 23:8934
- HENTSCHEL, M. K. Compliance of protection systems to industry criteria: General Electric BWR nuclear steam supply system, 24:38394 (NEDO-10139)
- HENTSZEL, A. Pulsed electron beam Van de Graaff accelerator, 21:21321 (INR-764/II, III/E)
- HENTSZEL, Andrzej Pulsed electron beam Van de Graaff accelerator, 21:37979
- HENTZ, Robert R. Chemiluminescence and thermoluminescence from a γ-irradiated silica—alumina gel, 24:46278
  - Effect of water on hydrogen yields in γ radiolysis of 1,4-dioxane, 21:42974
  - Energy transfer in radiation chemistry, 24:16608
  - Gamma radiolysis of benzene solutions, 23:40750
  - Gamma radiolysis of liquids at high pressures. II, 21:30453
  - Gamma radiolysis of liquids at high pressures. III, 21:36019
  - Gamma radiolysis of liquids at high pressures. V, 22:12359
  - Gamma radiolysis of liquids at high pressures. IV, 22:12367
  - Gamma radiolysis of liquids at high pressures. VI, 22:47199
  - Gamma radiolysis of liquids at high pressures. VII, 23:47479
  - Gamma-radiolysis of liquids at high pressures. I, 21:28032
  - Gas-phase radiolysis of benzene, 22:18816
  - γ radiolysis of liquids at high pressures. VIII, 24:29349
  - γ radiolysis of liquids at high pressures. IX, 25:10628
  - γ radiolysis of liquids at high pressures. X, 25:29157
  - High-energy induced isomerization of stilbene in benzene solution, 21:12469
  - Hydrogen formation in γ radiolysis of 1,4-dioxane and its mixtures with water, 22:37790
  - Mechanism of radiation-induced luminescence from scintillators in cyclohexane, 22:27759
  - Radiation-induced isomerization of cyclohexane on silica—alumina, 23:33209
  - Radiation-induced isomerization of stilbene in cyclohexane, 24:7458
  - Radiation-induced isomerization of the 1,2-diphenylpropenes in benzene and cyclohexane, 24:36274
  - Radiation-induced isomerization of the 1,2-diphenylpropenes in polar liquids, 25:44388
  - Radiolysis of thiophenol and its mixtures with benzene and benzene-d_6, 21:15943
  - Yields of the lowest triplet and excited singlet states in γ radiolysis of liquid benzene, 24:41325
- HENTZEN, R. D. Nodal sensitivity in modeling a large pressurized water reactor system for a loss-of-coolant accident, 25:31592 (CONF-710302-8)

HENUSET, M. Fabrication of Ge Li-drifted detectors, 21:6264
HENUSET, Maurice Apparatus for electronic bombardment of a target, 22:8287
HENWOOD, G. A. Heat transfer in a gas fluidized bed, 23:50016 (AERE-R-6027)
HENYEY, F. Dual, crossing-symmetric amplitude with Mandelstam analyticity, 25:14821
Note on phase problem, 23:51943
Possible zero at a wrong-signature sense point on Δ trajectory, 23:32747
Regge cuts, absorption model, and diffraction dips in inelastic scattering, 22:48323
Regge cuts, absorption model, and diffractive effects in inelastic scattering, 23:42778
Regge-pole model with cuts generated by absorption for the reaction $\pi^+n \to \omega p$, 23:8812
Strong absorptive Regge-cut model for pion photoproduction, $np \to pn$, and related processes, 25:7597
Strong-cut Reggeized absorption model for backward scattering, 24:35661
HENYEY, F. S. Beyond one-particle exchange, 25:47836
Structure of high-energy two-body non-diffractive reactions, 25:3454
HENYEY, Frank S. Absorptive cuts from Feynman diagrams, 23:52023
Calculation of the N*(1238) electromagnetic mass differences by S-matrix methods, 21:42313
Conspiracy and evasion in π and K photoproduction, 22:37113
Threshold and pseudothreshold relations for meson—baryon scattering, 22:44427
HENYEY, Frank Stephen Calculation of the N*(1238) electromagnetic mass differences by S-matrix methods, 22:15735
HENYEY, Louis Radiative transfer. I, 21:20631
Radiative transfer. II, 22:49924
Studies in stellar evolution. VIII, 23:27229
HENZE, E. Possibilities and limitations of abdominal lymph scintigraphy in comparison with lymphography, for assessment of malignant lymphoblastomas, 25:39894
HENZE, G. Reductometric titration of Mo, 23:21644
HENZE, W. Decrease in the intensity of hydrogen lines in the solar chromosphere, 22:43687
HENZE, William Jr. Analysis of the chromospheric hydrogen spectrum at the 1962 eclipse, 23:51305
Chromospheric hydrogen spectrum at the 1962 solar eclipse, 23:6841
Chromospheric observations at the 1962 eclipse, 23:51304
HENZEL, N. Chemical reactions of U, UO_2, and UC with air and water vapor in temperature range 1000 and 2200°C, 21:25813 (BMwF-FBK-67-12)
Penetration of fallout in various soils, 21:36119
Quantitative precipitation of tetravalent uranium with sodium hypophosphate from strongly acid solutions, 21:17583
Study on chemical reactions between uranium dioxide, the most abundant fission products, water and sodium, 23:2052 (AEC-tr-6961)
Study on the application of tracer systems to localize failed fuel elements, 21:14117
HENZI, R. anti K^-p and anti pp elastic scattering, 24:15585
anti K^-p and anti pp elastic scattering and shadow of generalized annihilation processes, 24:49510
Impact-parameter description of relativistic scattering, 21:7577
Overlap function analysis of $\pi^{+-}p$ elastic and charge exchange scattering at high energies, 22:7522
Polarizations in the overlap function analysis of $\pi^{+-}p$ elastic and charge-exchange scattering at high energies, 22:48319
Simple model for charged vector-meson production, 24:52107
HEPBURN, A. N. Cosmic radiation and the concorde, 23:4953
HEPFER, W. D. Determining fracture planes in Be sheet, 24:19465
HEPLER, Loren G. Thermodynamics of ionization of deuterium oxide, 23:6133
HEPNER, Patricia Effect of leucogenenol on antibody formation in the irradiated mouse, 24:29716
HEPP, H. Decontamination of equipment and facilities at the Karlsruhe Nuclear Research Centre, 21:43432
Investigations of decontamination ability of paints, 25:2423
Removal of condensed phosphates from radioactive wastes, 24:264 (KFK-917)
Removal of condensed phosphates from radioactive wastes, 24:20854 (ORNL-tr-2292)
Storage of radioactive wastes, 24:41414
HEPP, K. Connection between Wightman and LSZ quantum field theory, 21:11815
General problems of field theory, 25:25485 (ITF-70-107-E)
Progress towards models in quantum field theory, 23:15201 (ITF-68-62)
Quantum mechanical N-body problem, 22:18033
Renormalized Hamiltonian dynamics and representations of the canonical (anti-) commutation relations, 25:12256
Renormalized Hamiltonians for a class of quantum fields with infinite mass and charge renormalizations, 24:49577
HEPP, Klaus Equivalence of additive and analytic renormalization, 24:1644
Fundamental theoretical questions, 22:32078
Progress and goals in renormalization theory, 24:33041
Progress towards models in quantum field theory, 23:30802
Quantum mechanical N-body problem, 25:30957
Quantum-mechanical N-body problem, 23:30841
HEPP, V. Axial-vector to vector coupling constant in $\Sigma^- \to ne^-$ anti τ decay, 23:32608
Determination of Σ^-p capture ratio, Λ^0-lifetime, and Σ^-—Λ^0 mass difference, 22:41747
Measurement of Σ^{+-} lifetimes, 24:51939
New fit of the parameters for Cabibbo's theory, 23:36825
HEPPELER, Gerlinde Studies of combination injuries. XIII, 23:50867
Studies on combination injuries. XII, 23:33860
HEPPELL, G. E. Radiation damage study of crystalline anthracene, 22:4199
HEPPNER, J. P. Electric field observations of ionospheric whistlers, 24:37318 (N-70-17417)
Electric field observations of ionospheric whistlers, 24:42567
Electric-field measurements and identification of currents causing magnetic disturbances in polar cap, 25:55959
Magnetic field observations in high β regions of magnetosphere, 24:42585
Magnetospheric field distortions observed by OGO's 3 and 5, 25:55952 (N-71-27604)
OGO-A magnetic field observations, 22:2950
Propagation of sudden commencement of July 8, 1966 to magnetotail, 23:1263 (N-68-28248)
Propagation of the sudden commencement of July 8, 1966, to the magnetotail, 23:1289
Recent measurements of the magnetic field in the outer magnetosphere and boundary regions, 22:5261
Rocket measurements of magnetic fields associated with visual aurorae, 25:58857
Rocket measurements of mid-latitude Sq currents, 21:7113
Variations in electric fields from polar-orbiting satellites, 24:42591
HEPPNER, James P. Auroral and polar cap electric fields from barium releases, 24:42589
Electric fields in vicinity of auroral forms, 23:39393
HEPPNER, Richard A. Blanking method for continuous channel electron multipliers, 24:48293
Detection of metastable atoms and molecules with continuous channel electron multipliers, 23:41032
Time-of-flight test of a slotted disk velocity selector, 24:25969
HEPWORTH, J. K. Sputtering and electron emission under Hg ion bombardment at 15 to 100 keV, 25:962
HEPWORTH, M. T. System Ti—Zr, 25:32748
HERAGE, T. I. Neutron activation analysis of intact drill core, 25:54469
HERAK, J. N. Electron spin resonance of gamma-irradiated single crystal of dihydrouracil, 24:41357
Electron spin resonance of hydrogen-addition radicals in an irradiated single crystal of cytosine, 24:7482
EPR study of radiation damage of deuterated single crystal of thymidine, 24:38983
ESR of gamma-irradiated single crystal of cytosine monohydrate at 77°K, 23:24223
Radiation-induced conformation changes of pyrimidine ring in dihydrothymine, 25:2282
HERAK, Janko N. Crystal structure dependence of radiation-induced radicals in thymine: an esr study, 25:55130
ESR study of nucleosides and nucleotides bombarded with H atoms, 21:8691
HERAK, M. J. 5-hydroxy-1-aryl-4-pyridone-2-carboxylic acid esters as chelating and extracting agents. I, 24:5741
Precipitation and co-precipitation of Ta and Nb from potassium fluoride solutions, 25:37391
Separation of lanthanum from barium by solvent extraction with the monoocytl ester of anilinobenzylphosphonic acid, 22:37847
Separation of radioactive yttrium from Sr, 23:21805
Solvent extraction and separation of Nb and Ta, 21:45215
Solvent extraction study of lanthanum and europium by acidic esters of aminophosphonic acids, 25:54732
Synthesis and physical properties of a novel aminophosphonic acid as an extracting agent for metals, 24:27209
HERAK, M. M. Solvent extraction and separation of Nb and Ta, 21:45215
HERAK, R. Crystal structure of high temperature modification of U_3O_8, 24:14950
Enthalpy and heat capacity of U_3O_8 between 273 and 1,000°K, 25:22176
Existence of delta—U_3O_8, 23:51136
Stress induced α—U_3O_8—β—U_3O_8 transformation, 25:11528
HERAK, Rajna M. Phase equilibrium analysis of UO_2—V_2O_5 system in temperature interval 900 to 1200°C, 22:45826
X-ray investigation of the U_3O_8—V_2O_5 system, 24:25799
HERAS, C. A. Phenomenological analysis of rotational states in deformed even—even nuclei, 21:29964 (NP-16668)
Phenomenological analysis of rotational states in deformed even-even nuclei, 22:3707
Phenomenological and microscopic analysis of properties of even-even nuclei. Part C, 21:5559 (AD-641192)
Phenomenological and microscopic analysis of properties of even—even nuclei, 23:4053 (NP-17506)
Queernesses in the deformation chart, 21:5525 (AD-641463)
Radiochemical studies for radioactivity determinations on marine sediment samples, 23:2 (CISE-108)
HERB, George Kenneth Characteristics of the thallous dimer center in sodium iodide, 21:23251 (TID-23773)
HERB, R. G. Glass orbitron pump of 5-cm diameter, 22:19090
Pelletron accelerator, 25:50280
Performance study of the orbitron ionization gage, 21:19889
Quark search in ordinary matter using simultaneous measurement of mass and charge, 24:51878
Resonance (^{27}Al(p,γ)^{28}Si) widths with study of temperature and contaminant effects, 21:44650
HERBA, F. Hexapole experiment, 22:46124 (TID-24666, pp 92-5)
Minimum-B mirror magnetic field in system A, 22:34582 (TID-24491, pp 116-18)
HERBA, M. J. Assessment of macroalbumin lung scan, 21:43481
HERBAUT, Y. Various methods for fast neutron detection, 22:4428 (NP-17063)
HERBELL, Thomas P. Effect of cladding on extrudability and properties of powder-metallurgy tungsten, 21:28752 (NASA-TN-D-3941)
Method of producing refractory composites, 24:2993
HERBELLEAU, Francoise Direct method showing the existence of large air showers due to primary photons, 21:46185
HERBER, R. Gyromagnetic ratios and internal fields in even Nd isotopes, 21:23502
Precession measurements following Coulomb excitation with O ions. II, 21:4300
Precession measurements following Coulomb excitation with oxygen ions. III, 21:7792
HERBER, R. H. Chemical applications of Moessbauer spectroscopy, 23:36803
Chemical state of Sn after (n,γ) reaction in tin oxides, 23:40630
Constant accelerator fly-back Moessbauer spectrometer, 21:3297
Magnetic hyperfine fields acting on heavy nuclei recoiled into Fe, Co, and Ni, 21:2607
Possible origin of anomalous charge states in Moessbauer spectra, 23:23277
HERBER, Rolfe H. Current status of Moessbauer spectroscopy standards, 24:36598 (NYO-2472-67)
Current status of Moessbauer spectroscopy standards, 25:56365
Vibrational anisotropy and Gol'danskii—Karyagin effect in trimethyltin cyanide, 24:43887 (NYO-2472-68)
HERBERMAN, Ronald B. Dissociation of multiple polyoma virus functions by ultraviolet irradiation, 23:41505
HERBERT, Charles Jr. Staging and megavoltage technic for cerebellar medulloblastomas, 24:12209
HERBERT, D. Dependence of exposure rate upon field size and shape, 25:16190
HERBERT, G. T. Exchange reactions of carboxylic acid salts, 22:12327
HERBERT, J. B. Study of nuclear fuel cycle strategies for Australia, 25:34382 (CONF-701123-, Paper 8)
HERBERT, Jack Non-existence of Schwinger terms in spinor quantum electrodynamics, 24:37861 (RLO-1388-576)
Nonexistence of Schwinger terms in spinor quantum electrodynamics, 24:47497
HERBERT, Nicholas Charles Proton polarization in reaction ^{12}C(d,p)^{13*}C(3.09 MeV) near E/sub d/ = 3.0 MeV, 22:41973
HERBERT, P. J. Thermal fatigue testing of selected dissimilar metal welds, 21:13138 (APED-4948)
HERBERT, R. Bone scanning with ^{85}Sr, /sup 87m/Sr, and ^{18}F, 22:40764
Characteristics of dual-process distillation plant, 23:49638
HERBERT, Russell J. T. Metabolic behavior and radiation dosimetry of /sup 99m/Tc-albumin in pregnancy, 24:12077
HERBERT, Sarah M. Chemical and conformational studies of gamma irradiated lysozyme, 23:47461 (COO-690-34, Sect. 5)
Tritium in chromatographic fractions after HTS treatment of irradiated lysozyme, 23:47458 (COO-690-34, Sect. 2)
HERBERT, Sarah Mary Chemical and conformational studies of gamma irradiated lysozyme, 24:22667 (COO-690-38)
Chemical and conformational studies of gamma-irradiated lysozyme, 25:26646
HERBERT, Th. Tables of virtual heights for models of monotonic and nonmonotonic ionospheric layers, 22:1047
HERBERT, Victor Coated charcoal assay of plasma iron binding capacity, 22:472
Isotope-dilution methods using coated charcoal, 23:11428 (CONF-671111-, pp 395-412)
Mechanism of vitamin B_{12} uptake by erythrocytes, 21:14592
HERBERTZ, G. Cardiac insufficiency caused by Co chloride, 23:40585
HERBET, A. New antigens in cells transformed by SV40. I, 24:24962 (ORNL-tr-2287)
HERBIG, G. H. Al hydride emission lines in x Cygni near minimum light, 22:47720
Emission-line objects projected upon the galactic bulge, 24:8304
Interstellar line spectrum of Zeta Ophiuchi, 22:38691
Lithium abundances in F, G, and K-type subgiants, 21:11343
Lower limit on ^{12}C/^{13}C ratio in interstellar gas, 22:4966
Near-infrared spectra of NML Cygni and IRC + 10216, 25:806
Peculiar variable FG Sagittae, 22:43771
Spectroscopic astrophysics, 25:4913
Spectrum of LkHα-101 in near-infrared, 25:58504
Structure and spectrum of R Monocerotis, 22:29021
VY Canis Majoris. II, 25:6955
HERBIG, George H. Youngest stars, 21:41715
HERBIG, Wolfgang Ratio tissue and maximum for 42 and 25 MV x-rays of 42 MeV betatron, 25:55219
HERBIN, M. Improvements in radioprotection instruments, 22:45557
HERBIN, Y. Effects of γ radiations on incorporation of tritiated uridine by HeLa cells, 24:4566
Effects of ionizing radiation on HeLa cells. V, 23:26947
HERBISON-EVANS, D. Derivation of the orbit of a double star from observations made with an intensity interferometer, 25:35647
Observations of double stars, 24:25847

HERBORN, D. I. Comparison of CHIC-KIN and PARET calculations with reactivity accident test results for the oxide-fueled SPERT-III reactor, 23:4281
Reactivity accident investigations with a pressurized-water reactor core in the SPERT-III facility, 22:33030
Reactivity accident test results and anlyses for SPERT III E-core, 23:21516 (IDO-17281)
HERBORN, Guenter Planning and building development of Obrigheim nuclear power station, 22:14193
HERBSLEB, G. Behavior of stainless steels and of nickel or zirconium alloys in the primary systems of nuclear power plants, 24:46704
Influence of neutron irradiation on corrosion-chemical characteristics of chromium—nickel steel, 23:8113
HERBST, Dale A. Applications of an inverse kinetics computer program to the measurement of reactivity, 21:35746
Cherenkov counter for detecting fission products in reactor water, 21:35616
Differential calorimeter for in-pile gamma-ray-heating measurements, 21:19819
Neutron-spectrum converter for use in Juggernaut reactor's east thermal column, 21:12230 (ANL-7244)
HERBST, George Better vacuum for better parts, 24:8071 (RFP-1353)
HERBST, J. J. Pulsed-neutron measurements in carbon black, 21:7678
Total thermal cross section of carbon black, 21:7679
HERBST, K.-H. A spectral analysis method for the detection of calcium and magnesium in tantalum, 22:35753
HERBST, L. J. Electronics for nuclear particle analysis, 25:8488
Fast amplitude discriminators for nuclear instrumentation, 23:26617
Fast dc coupled analogue fan-in and fan-out modules, 23:26616
Introduction to transistor circuit techniques, 22:2455 (RHEL/R-133)
New fast analog modules for nuclear instrumentation, 23:22035
HERBST, R. Acceptance tests in Gundremmingen nuclear power station, 24:20500
HERBST, W. Environmental radiation and its variability, 22:2244
Filtering and protective effect of forests against radioactive and other impurities of the atmosphere, 23:29430
Hot radioactive particles, 21:18066
Radioactive contamination of foodstuffs, air, and water through nuclear weapon tests, 22:40699
Radioactive contamination of the environment of man, 21:16362
HERBST, Walter Incalculable health risks by food irradiation, 23:29940
HERBST, Walter E. Preoperative radiation for advanced malignant tumors, 21:22558
HERBST, William Jr. Stability of local group, 24:51365
HERBST, Willy Radioactive contamination, 21:14644
Radioactive contamination in the sphere of nutrition occasioned by technical atomic developments, 21:22419
Radioactive contamintion of foodstuffs, air, and water through nuclear weapon tests, 22:10775
HERBSTEIN, F. H. Methods of obtaining monochromatic x-rays and neutrons, 22:20041 (NP-17314)
HERBUT, F. Derivation of the change of state in measurement, 24:6677
Solution of complex Hartree—Bogoliubov equations based on diagonalization of real matrices, 24:20052
HERBUT, Fedor Antilinear operators in Hartree-Bogolyubov theory. I, 22:46836
Basic algebra of antilinear operators and some applications. I, 21:44229
HERCE, J. A. Ionization of CH_4 and CD_4 on impact of 2 ${}^3S$ and 2 ${}^1S$ helium atoms, 22:45934
HERCE, John Austin Associative and dissociative ionization of gases on impact of metastable atoms, 23:1216
HERCEG, J. E. Studies of a low-voltage arc laser, 22:30907
HERCHENROEDER, R. B. Cobalt superalloys. III, 23:27068
Cobalt-base alloy testing program, 21:32857 (BNL-11530)
Cobalt-base alloys for use in nuclear reactors, 25:45042
HERCHER, M. Some characteristics of laser-induced air sparks, 21:7280
HERCIK, F. Safe handling of radioisotopes, 25:46861
HERCIK, Ferdinand Radiobiological methods, 21:32792
HERCULES, David M. Prog. rpt. on photoelectron spectroscopy, 1970—71, 25:20966 (SRO-645-1)
HERCZEG, Christiane Calorimetric measurement of strong γ-emitting sources, 22:51252 (CEA-R-3502)
HERCZEG, P. A note on the isospin structure of the weak nonleptonic strangeness conserving interactions, 21:2446
Currents with irregular charge-conjugation properties and the nonleptonic hyperon decays, 22:24620
Second-class currents and the weak nucleon—nucleon interaction, 22:26670
HERCZEG, T. Multiple system of Algol, 24:10246
HERCZEG, Tibor Creation of the smaller celestial bodies in the solar system, 22:28999
HERCZOG, Andrew Nucleation and crystallization of $NaNbO_3$ from glasses in the Na_2O—Nb_2O_5—SiO_2 system, 21:36936
HERCZYNSKA, E. Adsorption mechanism of radioisotopes on metal and oxide surfaces, 22:4129
HERCZYNSKA, Elwira Adsorption of ions on metal oxide surfaces in aqueous solutions, 22:35767 (AEC-tr-6776)
HERD, Zana L. Distribution of ${}^{125}I$-immunoglobulins, IgG subunits and antigen—antibody complexes in rat lymph nodes, 23:26645
Retention of ${}^{125}I$-immunoglobulins, IgG subunits and antigen—antibody complexes in rat footpads and draining lymph nodes, 23:26644
HERDA, S. Photoproduction of $K^+\Lambda$ and $K^+\Sigma^0$ from H, 25:5253
HERDADE, S. B. Calibration and resolution of slow neutron spectrometers, 22:36086
HERDADE, Silvio B. Experimental study of a curved slit slow-neutron chopper and time-of-flight spectrometer, 22:23310 (IEA-136)
HERDAN, A. Role of the intestine in acute postirradiation mortality of mice, 22:49538
HERDKLOTZ, Richard James Jr. Thermodynamic properties of aqueous hydrochloric acid—sodium chloride—magnesium chloride mixtures as calculated from electromotive force measurements, 24:38676 (ORNL-TM-3017)
HERDLY, J. Dental defects after irradiation and the salivary glands, 21:26628
HEREDIA, J. M. V. IR intensities in $CHCl_3$ and $CDCl_3$, 23:17402
HEREFORD, F. L. Delayed photon emission from alpha-excited solid helium, 25:16765
HEREFORD, Frank L. Inhibition of the scintillation of stationary and rotating He II, 21:11568
Injection of electrons into He II from an immersed W filament, 22:31749
Persistent metastable states and inhibited scintillation of He II, 23:46417
Phenomena resulting from heating of small wires in He II, 22:22086
HEREMANS, J. F. Association of lactoferrin with specific granules in rabbit heterophil leukocytes, 24:41726
Metabolism of different immunoglobulin classes in irradiated mice. II, 24:25417
Metabolism of different immunoglobulin classes in irradiated mice. V, 25:29473
Metabolism of different immunoglobulin classes in irradiated mice. IV, 25:32364
Serum concentrations of immunoglobulin in pigs after exposure to γ ray, 25:58104
HEREMANS, R. Laboratory for Pu recovery in nuclear fuel, 23:11707
Problems related to the design of pilot plants for reprocessing by volatilization, 22:6423
Reprocessing mixed oxide fuels by fluorination, 21:28059 (ANL-Trans-478)
Reprocessing of ceramics by volatilization in the form of fluorides, 23:38078
Safety in hot laboratories for study of fuel reprocessing, 24:31545
HERENDEEN, Robert Albert Paraelectric resonance in $KCl{:}Li^+$, 25:26215 (NYO-2150-59)
HERENGEL, Jean Automatic machine for cutting cylindrical workpieces in accordance with predetermined traces, 21:19826
HERENGUEL, J. Examination of rolled alpax/Al—Al_2O_3 sintered materials, 22:11028 (UCRL-Trans-10144)
Structure of Zircaloy-2 and its resistance to corrosion by steam under pressure at 400 deg C, 21:14855
HERENGUEL, Jean Improvements in or relating to the electrolytic etching of zirconium and zirconium-base alloys, 21:24722
HERES, A. Utilization of halogenated carriers for uranium spectrographic analysis, 24:36149
HEREWARD, H. G. Artificial damping in the proton storage ring of CERN, 22:11835
Effect of ions on the symmetrical throbbing beam mode, 23:27976
Effects of turning quadrupoles and magnets, 22:11830
Energy flow and transients in the Alvarez structure, 21:29809
General theory of linear accelerators, 25:50222
Resonance induced by space-charge forces, 21:29756
Some examples of energy flow in Alvarez structure, 21:29664 (MPS/DL-INT-65-1)
HEREZEG, T. Cosmogonical aspects in the theory of planetary interiors, 24:30126
HERFORTH, L. Low level dosimetry utilizing the thermoluminescence of LiF, 21:26252
HERFORTH, Lieselott Handbook of applied radioactivity, 23:17501
Integrating dosimetry of ionizing radiation with luminescing systems, 21:331
HERGENROTHER, K. Use of thermocouples for temperature measurement during laser irradiation, 21:16252
HERGET, C. Investigations of permanent magnet alloys based on cobalt and cerium mischmetal, 25:47644
HERGLOTZ, H. K. Paraffin mirrors for ultrasoft x rays, 21:22158
HERGLOTZ, Heribert K. High intensity x-ray source, 24:46406
HERGORN, D. I. Temperature-dependent kinetic behavior of the SPERT-III E-core, 22:5957
HERGT, R. Determination of the pole profile for betatrons, 22:29794
Mechanisms of secondary background blackening of ion-irradiated photoplates, 22:16969
HERICH, R. Action of x rays on the differentiation and development of nucleolar structures, 21:13006
HERICKHOFF, R. J. Transient signal recorder for operation in pulsed ionizing radiation, 22:43197
HERICKHOFF, Robert J. Method of determining the intensity of a nuclear-radiation burst, 24:7632
HERINCKX, Claude Structure of carbon fibers, 24:41141 (SC-T-70-4030)
HERING, E. Electrical conductivity and superconductivity in In_5Bi_3, 24:42628
Superconductivity of In_5Bi_3, 25:47481
HERING, H. Photolysis and radiolysis of CO_2, 22:18820
HERING, W. R. Accuracy of the local energy approximation to non-locality effects on bound-state wave functions, 22:20685
Conference on nuclear reactions induced by heavy ions, Heidelberg, 7/69, 24:49796
Core excited states in ${}^{209}Bi$, 24:43370
Doublet in ${}^{205}Tl$ based on 3^- state in ${}^{206}Pb$, 23:13291
Inhibited (${}^3He$,d) transitions to 3s/sub ${}^1/_2$/ isobaric analog states, 25:3666
l-dependence of stripping excitation functions, 22:27126
Mixing of core excitations into single-neutron states of ${}^{207}Pb$, 22:24883
Neutron particle-hole structure of ${}^{208}Pb$ from (d,p) excitation functions, 22:20609
Neutron potential for A = 208 determined from Coulomb stripping and level energies in lead, 22:20626
Normalization factors for stripping reactions, 24:20461
Normalization for (α,t) reactions, 25:15064
Particle vibration coupling in ${}^{207}Pb$, 23:7324
Particle-core coupling in ${}^{205}Tl$, 24:43369
Shape of the ${}^{208}Pb$ nuclear potential, 21:10052
Study of bound nucleon wave functions by Coulomb stripping, 21:1106
HERINGTON, E. F. G. Determination of purity by nuclear magnetic resonance, 22:46236
HERISTCHI, Dj. Balloon measurements of solar protons in northern Scandinavia on July 7, 1966, 23:22810
Counting assembly for a cosmic telescope composed of two circular disks, 21:6268
Determining solar proton spectra, 23:34233
Observations of solar protons on Sept. 29—30, 1968 over Iceland, 25:47290
Primary cosmic radiation and its interaction in atmosphere by means of simultaneous "SPARMO" flights made during minimum solar activity, 22:31670
Report of results of balloon launching in Iceland between Sep. 1 and Oct. 15, 1968. I, 25:24935
Results of balloon launching in Iceland between Sep. 1 and Oct. 15, 1968. II, 25:24984
Upper cutoff in the spectrum of solar particles, 25:13910
HERISTICHI, Dj. Measurement of cosmic rays in period of minimum solar activity, 22:34295
HERITAGE, J. L. Vhf characteristics of the transequatorial ionosphere, 22:22041
HERKENRATH, H. 2.4-MW pressure and boiling-water loop for heat transfer studies, 22:6510 (EUR-3605)
Development of transition heat crisis with high pressure in tubes with and without vortex generation, 23:6037
Heat transfer crisis in high pressure water under forced flow. II, 24:2387
Heat transfer crisis under forced water flow at high pressures. I, 23:24376
Heat transfer in water with forced circulation, 22:12519 (EUR-3658)
Heat transfer values for water in steam generators with forced convection and reactor channels at pressures of 170 to 215 bar, 25:18581
Pressurized and boiling water loop of the Technology Division at Ispra, 25:54867 (EUR-4683)
Transfer of heat to water during forced flow within the critical pressure range under conditions of high loads on the heating surface, 21:22098
HERKENRATH H. Heat transfer to water in once-through boilers and reactor channels under pressures, 25:18252
HERLACH, F. Experiments with megagauss targets at SLAC, 25:50475
Explosive megagauss generators for application in experimental physics, 22:21259
HERLACH, Fritz Flux loss and energy balance in magnetic flux-compression experiments, 22:52735
Magnetic diffusion in cylindrical geometry, 25:50044
HERLAND, L. Study of ${}^{32}S$ levels and analogue levels of ${}^{32}P$ by ${}^{31}P({}^3He,d){}^{32}S$ reaction, 23:3985
HERLAND, L. H. Study of ${}^{35}Cl$ levels by ${}^{34}S({}^3He,d){}^{35}Cl$ reaction, 24:3898
HERLAND, Lars Energy levels in ${}^{39}Ar$ observed from a study of the ${}^{41}K(d,\alpha){}^{39}Ar$ reaction at 7.5-MeV bombarding energy, 22:18181
Investigation of reaction ${}^{41}K(p,\alpha){}^{38}Ar$ at 7.5-MeV bombarding energy, 23:1871
HERLEM, G. Induction of tolerance for transplantation in adult mice of different H_2 loci, 22:51431
Suppression of homologous disease and induction of tolerance in mice, 23:47999
Transplantation tolerance induction in adult mice, 22:38216
HERLER, Horst Mechanism of the radiolysis of cyclohexane, 25:57473
HERLEY, P. J. Dependence of thermal decomposition induction period on prior γ- and x-ray irradiation, 23:19742 (BNL-13423)
Effects of radiation on the thermal decomposition induction period in ammonium perchlorate and other pseudostable materials, 25:15644
Effects of x- and γ-ray radiation on thermal decomposition of solid orthorhombic ammonium perchlorate. II, 22:47170
Effects of x- and γ-ray radiation on thermal decomposition of solid orthorhombic ammonium perchlorate. I, 22:47169
Electronic mechanisms in solid state photolysis, 21:32136 (BNL-11522)
Radiation-induced dislocations in ammonium perchlorate crystals, 25:48549
Thermal decompositon of irradiated orthorhombic ammonium perchlorate, 21:1390
HERLING, G. H. Calculation of ${}^{206}Pb$, ${}^{206}Hg$, and ${}^{206}Tl$ with the Hamada—Johnston potential, 24:43417
Calculation of ${}^{210}Pb$, ${}^{210}Po$, and ${}^{210}Bi$ with the Hamada—Johnston potential, 24:43418
Reactions ${}^{19}F({}^3He,{}^3He){}^{19}F$ and ${}^{19}F({}^3He,\alpha){}^{18}F$ and states in ${}^{18}F$ at 3.06 and 3.13 MeV, 21:9940
Reactions ${}^9Be(t,t){}^9Be$ and ${}^9Be(t,\alpha_0){}^8Li$ at 2.10 MeV, 22:26891
Reactions ${}^9Be(t,t){}^9Be$ and ${}^9Be(t,\alpha_0){}^8Li$ at 2.10 MeV, 24:28719
Triton elastic scattering near 2.0 MeV, 22:26883
Triton reactions near 2 MeV, 23:30943
Triton reactions near 2 MeV: ${}^{11}B(t,\alpha){}^{10}Be$, 24:13306
HERLINGER, Albert W. Laser Raman and infared spectra of amino acids and their metal complexes. III. Proline and bisprolinato complexes, 25:2190
HERLITZ, Sten Stability of Couette flow, 21:38862 (UUIP-542)
HERLOFSON, N. Prog. rpt. on plasma physics, annual, 1965, 22:9273 (N-67-22920)

- HERM, R. R. Molecular beam kinetics: reactions of K, Rb, and Cs with Br_2 and I_2, 21:41810
- HERM, Ronald R. Semiclassical phase shifts for low-energy "orbiting" collisions, 22:11221
- HERMAN, A. W. Beta decay of ^{187}W, 24:40623
- HERMAN, Alberta I. Respiratory-deficient mutants in Saccharomyces latis, 22:49285
- HERMAN, D. Analysis of radioisotope thickness gauge as a regulation system subassembly, 24:41705
- HERMAN, Frank Improved statistical exchange approximation for inhomogeneous many-electron systems, 23:22903
- HERMAN, Grace G. Autoradiographic studies in cervical cancer before and after a test dose of irradiation, 21:12942
  - Radiosensitivity and virulence factors in cervical cancer: individualization of treatment, 22:36311
- HERMAN, H. Comprehensive pneumatic-tube sample irradiation, transport, and dispensing system, 21:6104
  - Cryopumping system for Indiana Univerisity 200 MeV cyclotron, 25:50436
  - Deuteron-irradiation effects in Al—4 wt percent Cu, 21:13220
  - Precipitation in neutron-irradiated Al-base Cu, 22:36518
- HERMAN, Herbert Advances in materials research. Volume 4, 24:48797
  - Advances in materials research. Volume 5, 25:52967
  - Experimental methods of materials research, 22:8779
  - Prog. rpt. on fatigue-enhancement of diffusion, annual, 6/69—5/70, 24:27758 (NYO-4097-1)
  - Prog. rpt. on fatigue-enhancement of diffusion, annual, 6/70—5/71, 25:28870 (NYO-4097-2)
- HERMAN, J. A. Radiolysis of ethyl iodide and carbon tetrachloride mixtures at 77°K, 22:33427
  - Radiolysis of gaseous isobutylene by ^{60}Co γ rays, 22:8143
  - Radiolysis of gaseous isobutylene by ^{60}Co γ-rays. II, 23:47473
  - X-ray induced polymerization of gaseous vinyl chloride, 25:26282
- HERMAN, J. R. Dayside ionosphere of Venus, 25:35827
  - F-region ionization and heating during magnetic storms, 23:36609
  - Influence of varying solar flux on ionospheric temperatures and densities, 23:36588
  - Role of atomic O in ionospheric E- and F-region behavior, 23:42078
  - Topside ionosphere of Venus and interaction with solar wind, 24:17619
  - Topside ionosphere of Venus and its interaction with solar wind, 24:12686 (N-69-40113)
- HERMAN, Jan A. Radiolysis of gaseous isobutene by ^{60}Co γ rays. III, 25:10640
  - Radiolysis of liquid vinyl iodide by ^{60}Co γ-rays, 21:8338
  - Radiolysis of vinyl iodide. II, 23:35249
  - Radiolysis of vinyl iodide. III, 23:35248
- HERMAN, Jan Alexander Radiolysis of methane in the presence of isobutylene, 23:28905
  - Radiolysis of methane in the presence of isobutylene, 24:2212 (ORNL-tr-2251)
- HERMAN, John Edward Hydrostatic pressure effects on EPR spectra of doped sapphires, 21:35215 (COO-1112-115)
- HERMAN, John R. Conjugate F-region enhancement related to South Atlantic magnetic anomaly, 22:38913
  - Detecting late-time absorption following high-altitude nuclear explosions, 22:47956
- HERMAN, K. Hydrogen—oxygen systems in electrical discharge. IV, 25:10531
- HERMAN, L. Asymptotic behavior of generalized width and shift functions in neutral spectral lines in plasmas, 24:1440
  - Combined Stark and Zeeman effects on hydrogenoid transitions of neutral He, 24:23741 (ORNL-tr-2295)
  - Effect of a uniform magnetic field on the profiles of hydrogen lines, 21:27139
  - Electron-impact broadening of overlapping He I lines plasmas, 23:14625
  - Stark and Zeeman effects on neutral-He lines, 25:30264
  - Stark broadening of hydrogen Balmer lines in plasmas, 23:16786
- HERMAN, Louis Displacements and intensities of components of hydrogenic lines of helium atom in presence of electrical and magnetic fields, 21:35002 (CEA-R-3233)
  - Effect of homogeneous magnetic field on line profiles of hydrogen, 21:7188 (CEA-R-3057)
  - Spectral Ly α, Ly β, and H α line shapes for H atom in presence of magnetic field in plasma, 21:25109 (CEA-R-3161)
- HERMAN, M. Determining fracture planes in Be sheet, 24:19465
  - Effect of purity and processing procedure on the mechanical properties of beryllium sheet, 25:35463
  - Structural requirements of compressor and fan blading of beryllium composite materials, 25:47117 (NMAB-272, pp 513-33)
- HERMAN, Mark Device for transfer and dilution of radioactive gases, 22:4326
- HERMAN, P. G. Radiation effect on lymph nodes, 24:41979
- HERMAN, Peter G. Radiation effect on the barrier function of lymph node, 23:2923
- HERMAN, R. Elastic electron scattering by ^{208}Pb and nuclear charge distribution, 24:13391
  - Electron scattering studies of calcium and titanium isotopes, 22:53152
  - Fine structure in nuclear charge distribution, 24:52494
  - Scattering of 750-MeV electrons by Ca isotopes, 21:38263
- HERMAN, Renee Variations of Hβ line of star HD 109387, 24:23565
- HERMAN, Roger M. Rare-gas-induced g/sub J/ shifts in the ground states of alkali atoms, 23:10459
- HERMAN, Z. Chemical accelerator studies of isotope effects on collision dynamics of ion—molecule reactions, 24:41289
  - Crossed beam study of ion—molecule reaction, 21:20753
  - Crossed-beam studies of ion—molecule reaction mechanisms, 22:34285
  - Energy dependence of energy partition in products of direct reactions: crossed-beam studies and a new model, 22:34270
- HERMANEK, S. Analysis of organic matter by the elastic alpha particle scattering method, 25:15525
- HERMANN, A. M. Ionene polymers. IV, 23:43357
  - Isotope effect for electron mobility in anthracene, 25:48510
- HERMANN, D. Comparison of calibration methods for β dosimeters, 21:1643
- HERMANN, D. B. Systematic errors in the measurement of radon decay products according to the filter method, 23:6072
- HERMANN, F. Neutron activation analytical determination of a number of trace elements in meteoritic phases, 25:41773
- HERMANN, G. Inelastic energy loss in atomic collisions of Al^+, P^+, S^+, Cl^+, Ar^+, K^+, and Mn^+ on argon, 25:24889
  - Inelastic energy loss in single atomic collisions of Kr^+ on Kr at keV energies, 25:30279
  - Influence of Q values in atomic single collisicns on observed scattering cross sections and some Q values, 23:5217
  - Probability for producing K vacancies in violent ion—atom collisions at keV energies, 25:58756
  - Q values for Al^+, P^+, S^+, Cl^+, K^+, and Mn^+ on argon, 23:36517
- HERMANN, H. Absolute fission-yields of ^{99}Mo and ^{139}Ba in thermal neutron fission of ^{235}U, 22:18268
  - Copolymerization of trioxane by γ-radiation, 21:17671
  - Injuries after x-ray diagnostic studies, 23:38861
- HERMANN, Kate Thyroid disease following administration of Thorotrast, 23:43903
- HERMANN, O. W. Calculation of neutron spectra from proton-nucleus nonelastic collisions, 24:35822
  - Inclusion of fission and charged-particle mission in calculations of nuclear reactions, 25:31313 (ORNL-TM-3179)
  - Instructions for operation of program package PICA, 25:50809 (ORNL-4687)
  - Operation of codes associated with MECC-3, preliminary version of intranuclear-cascade calculation for nuclear reactions, 25:36733 (ORNL-4564)
  - RAFFLE: Monte Carlo code for calculation of first flight collision probabilities, 21:7637 (ORNL-TM-1699)
- HERMANN, Robert Analytic continuation of group representations. III, 21:2491
  - Analytic continuation of group representations. V, 21:35355
  - Current algebras, Sugawara model, and differential geometry, 24:35695
  - Discrete symmetries of elementary particle physics, 22:52999
  - General mass formula for the Nambu wave equations, 22:22423
  - Geometric formula for current-algebra commutation relations, 23:18982
  - Quantum field theories with degenerate Lagrangians, 23:18983
  - Vector bundles in mathematical physics. Volume II. Applications to quantum mechanics, 25:33503
  - Vector bundles in mathematical physics. Volume I, 25:33807
- HERMANN, V. Absolute cross sections for (e,H_2) collision processes, 24:37256
- HERMANN, W. Determination of reaction cross sections from measurements on cylindrical cascade arcs, 21:44117
  - Energy transport by radiation with absorption in cylindrical arcs, 22:50157
  - New infrared stars, 22:52357
  - On the intensification of underexposed radioautographs by trapping of radionuclides, 24:14181
- HERMANNE, N. Microrelief on ion-bombarded crystals and induced damage, 25:1298
- HERMANNS, M. Antibaryon production Ξ^-, AND Ω^- in 10 GeV/c K^-p interactions, 22:24556
  - New Ξ resonance at 2500 MeV in 10 GeV/c K^-p interactions, 23:13033
  - Strange particles in 10 GeV/c K^-p interactions, 23:36837
- HERMANOWICZ, Ryszard Separation of the alkaline earth metal ions by ionophoresis on filter paper and poly(vinyl alcohol), 25:54725
- HERMANS, L. Assessment of short fuel cycles for fast reactors, 24:11144
  - Economic equivalent values of U and Pu isotopes in fast reactors, 24:11146
- HERMANS, L. J. F. Heat conductivity of polyatomic gases in magnetic fields, 25:40434
  - Transverse heat flow in gaseous hydrogen isotopes at low temperatures, 25:29267
  - Transverse heat transport in polyatomic gases under influence of a magnetic field, 21:37168
- HERMANS, M. E. Prog. rpt. on research into sol-gel process, 1/1-7/1, 1964, 24:39689 (DP-Report-297)
- HERMANS, M. E. A. Fast and/or thermal breeders, 25:23245
  - Hydrolytic phenomena in U(VI) precipitation, 24:16516
  - KEMA sol-gel process, 25:6892 (DP-Report-430)
  - KEMA Suspension Test Reactor, 25:54174 (A/CONF.49/P-20)
  - Particle growth by controlled flocculation, 22:7037
  - Prog. rpt. on sol-gel process of preparing carbide fuel particles 7/64-65, 24:42201 (DP-Report-399)
  - Sol—Gel processes for ceramic nuclear fuels, 25:8915
  - Sol-gel fuel studies in the Netherlands, 23:30131
  - Sol-gel process, 22:33301
  - Sol-gel processes for preparation of nuclear fuels, 25:37999
  - Sol-gel processes for the preparation of spherical thorium-containing fuel particles, 22:23856 (CONF-660524-, pp 377-90)
  - U(VI)-process for microsphere production, 24:30015 (CONF-700502-, pp 253-63)
- HERMANS, M. E. H. Sol—gel development at KEMA, 23:3131
- HERMANS, Marie E. A. Method of preparing a stable mixed sol of hexavalent uranium and tetravalent thorium by peptization, 25:42945
- HERMANS, Marie Egidius Antonius Preparation of spherical particles of nuclear fuel, 22:28912
- HERMANS, W. C. Austern—Blair method for scattering of deuterons and alpha particles, 25:9991
- HERMANSDORFER, H. Measurement of high electron densities in linear Z pinch, 21:3819
  - Neutron production mechanism in a plasma focus, 25:52856
  - Preliminary investigation of corrugated theta pinch ("Limpus") at Isar I, 21:11668 (IPP-1/55)
- HERMANSEN, Ralph D. Molded rigid urethane foams. I, 22:18667 (SC-RR-67-810)
- HERMANSKA, Zorka Phagocytosed Thorotrast in the histological examination of organs, 21:20380
- HERMANSKY, Bedrich Effect of axial reflectors on heavy-water gas-cooled reactor parameters, 23:40335
  - Unstationary thermal field of a nuclear reactor with cylindrical core, 24:43747
  - Use of coarse control rods to axial shaping of heat generation, 24:36011
- HERMANSON, Russell Indium-113m-labeled compound for liver and spleen studies, 24:12157
- HERMANUTZ, K. D. Quantitative analysis of lung perfusion following bronchography, 25:55285
- HERMEL, Alfred Mixing phenomena in a helium—hydrogen pulsed plasma, 24:8454
- HERMELIN, Thorsten Effects of acute gamma irradiation in barley at different ontogenetic stages, 22:21637
- HERMELINK, M. J. M. Hybrid simulation of a sodium heated generator, 24:38536
- HERMENT, J. Rhenium-188 generator using ^{188}W, 23:31382
  - Rhenium-188 generator using ^{188}W, 24:46246 (ORNL-tr-2293)
- HERMENT, Jacques Radiochemical separations of Hf, Ta, and Ge from W and Se irradiated by 14-MeV neutrons, 23:21775 (CEA-R-3678)
  - Radiochemical separations of Hf, Ta, and Ge from W and Se irradiated by 14-MeV neutrons, 24:48150 (ORNL-tr-2390)
  - Separation of ^{228}Ra (Ms Th 1) from thorium nitrate, 23:9504 (CEA-R-3582)
  - Separation of technetium from fission products, 25:2307 (CEA-N-1316)
- HERMES, F. Excitation functions of the ^{197}Au(α,xn) reactions in the energy range from 16 to 103 MeV, 25:36745
- HERMIER, J. Destruction of microorganisms by ionizing radiations. Applications, 21:45851
- HERMINGHAUS, H. Effect of simultaneous phase error and phase jitter on the energy resolution of multisection electron linacs, 25:33945
  - Mode of action and construction of proton spiral linear accelerators with variable final energy, 21:25377
- HERMISTON, S. T. Detection and measurement of Pu airborne contamination, 23:14172
- HERMOCH, V. Schlieren method and its application for plasma diagnostics, 25:3067
- HERMOCH, Vladimir Vapor jets of electrode materials during brief high-intensity electrical discharge (Russian), 23:12737 (RFP-Trans-44)
- HERMODSSON, S. Virucidal effect of transient electric arcs in aqueous systems, 23:29914
- HERMON, Erica Moessbauer quantitative analysis of Fe^{+3}/Fe^{+2} ratios in some phosphate and oxide mixtures: possibilities and limitations, 22:20081
- HERMSDORF, D. Correction of finite volume of scatterer effect on measurement of differential elastic and inelastic neutron cross sections. II, 25:15150
  - Correction of the finite volume of scatterer effect on the measurement of differential elastic and inelastic neutron cross sections. I, 25:5504
  - Correction of the finite volume of scatterer effect on measurement of differential elastic and inelastic neutron cross sections. III, 25:53502
- HERNADI, F. Analysis of the radioprotective effect of cysteine on Escherichia coli strains, 25:4554
  - Effect of cysteine on the radiosensitivity of endogenous spleen colony forming units in mice, 25:49213
  - Metabolic radioprotective effect of cysteine on E. coli B, 23:31997
  - Preirradiation acid-soluble sulfhydryl level-changes in E. coli in the presence of cysteine, 22:43361
  - Radioprotective effect of nitriles, 23:50618
  - Radioprotective effectiveness of cysteine, 23:22442
  - Radiosensitivity of E. coli 15T$^-$ and metabolic effect of cysteine, 23:8033
  - Radiosensitivity of E. coli B cultures. II, 21:13077
  - Radiosensitivity of E. coli B cultures. III, 21:26485
  - Sensitivity of E. coli B to irradiation. IV, 21:20284
  - Sensitivity of E. coli B to irradiation. VI, 21:28698
  - Toxic and radioprotective effect of cysteine on E. coli cells, 24:50952
- HERNADI, Ferenc Chemical radiation-protective agents. II, 21:12910
  - Data on radiation-protective effect of some cysteine—cysteamine derivatives, 22:28598
  - Restitution of blood forming stem cells following x irradiation, 24:27656
  - Theoretical background for the facilitation of recovery from acute radiation sickness, 24:2723
- HERNADY, T. Effect of hydrocortisone on ^{131}I uptake in newborn dogs, 23:35628
  - Isotope placentography, 23:8044
- HERNADY, Tibor Indication and contra-indication of the use of radioactive isotopes, 22:28484
  - Isotopic placentography, 22:33861

Role of the reduction of the minute-dose and of the grid method in the radiation therapy, 21:22490
Study of the in-vitro radiation sensitivity of red blood cell catalase, 21:34574
HERNANDEZ, Alejandro Economic and sociological review of Azuero Peninsula, Panama, 23:12038 (BMI-171-012)
HERNANDEZ, Antonio Jr. Flexible scintillation probe for cardiac output determination, 22:36294
New technique for determining cardiac output with use of a miniature esophageal scintillation detector, 22:40786
HERNANDEZ, Cl. Angiography of the hepatic scintigraphic lacuna, 24:7952
HERNANDEZ, E. S. Energy level calculations in Davydov model, 25:31425
HERNANDEZ, G. N I transitions in the upper atmosphere at night, 23:27503
Signature profiles of O(^{1}S) in airglow, 25:35962
Sodium in late type stars, 24:46848
HERNANDEZ, H. P. Mechanical design of compressor test apparatus for electron ring accelerator research, 23:28197
Mechanical features of electron-ring compressors, 25:28118 (UCRL-20177)
HERNANDEZ, H. Paul Ceramic vacuum chamber for a fast-cycling proton synchrotron, 21:27471 (UCRL-17254)
Safety guidelines for accelerator installations, 23:28065
Selection of a lamination shape for a fast-cycling alternating-gradient magnet core, 21:27472 (UCRL-17264)
HERNANDEZ, J. Extraction of uranium for potential resources, 25:23681
HERNANDEZ, J. A. Calibration of scintillation detectors, 22:40358 (IAN-RS-ERA-2)
Environmental radiometric study in Colombia during 1968, 24:31486 (IAN-RS-ERA-4)
Separation of calcium and strontium, 25:51599
Separation of Sr—Ca with purpose of control of ^{90}Sr in alimentary chain, 24:31240 (IAN-RS-ERA-5)
HERNANDEZ, J. P. Role of electron bubbles on laser-induced breakdown in liquid ^{4}He, 24:28201
HERNANDEZ, John P. Photo-ionization of molecules near threshold, 22:15347
Positronium bubbles in liquid and solid ^{4}He, 24:8337
HERNANDEZ, P. Pulsed accelerating column and pulsed magnetic field for the Electron Ring Accelerator, 22:46618 (UCRL-18103, pp 332-40)
HERNANDEZ, Walter C. Jr. Elasticity theory in general relativity, 24:30588
Kerr metric, rotating sources, and Machian effects, 22:22452
Material sources for Kerr metric, 21:37631
Static, axially symmetric, interior solution in general relativity, 21:15241
HERNANDEZ, Walter Charles Jr. Relativistic descriptions of material sources for gravitational fields, 21:42235
HERNANDEZ-FRAGOSO, J. Decommissioning BONUS, 24:30986
HERNANDEZ GIMENEZ, E. Use of radiation in preservation of Spanish orange, 25:21991
HERNANDEZ LOPEZ, F. Production of ^{46}Sc by the (n,p) reaction, 24:29354
HERNANDEZ MADARIAGA, Rogelio Clinical evaluation of the isotopic radiocardiograph, 23:33752 (CONF-670649-26)
HERNBERG, C. A. Treatment of toxic nodular and diffuse goitre with radioactive iodine, 24:48650
HERNBERG, J. ^{167}Tm: a new bone scanning agent, 25:55279
HERNBERG, J. G. Practical compromise in bone scanning, 25:49240
HERNBORG, G. Hydrodynamic and heat transfer measurements on simulated 36-rod Marviken fuel element, 22:48643 (FRIGG-2)
Measurements of hydrodynamic characteristics, instability thresholds, and burnout limits for 6-rod clusters in natural and forced circulation, 22:1760 (FRIGG-1)
HERNDON, D. Comparison of phase-shift analysis solutions to π^-p scattering data, 23:32750
HERNDON, David J. πN partial-wave amplitudes, 25:36506 (TID-25726)
HERNDON, H. V. Microbeam collimator, 21:44486
HERNDON, Philip O. Upward drilling of glass contact refractories, 24:36947
HERNDON, R. C. Charge form factors and charge distributions of ^{3}H and ^{4}He, 21:44804
Λ-Λ interaction from ^{6}He/sub ΛΛ/, 21:13936
Phenomenological Λ-nucleon potentials from s-shell hypernuclei. I, 21:13916
Phenomenological Λ-nucleon potentials from s-shell hypernuclei. II, 21:38421
Phenomenological Λ-nucleon potentials from s-shell hypernuclei. III, 22:14105
Sigma hypernuclei and Σ^+-proton scattering, 21:5403
Upper and lower bounds of the eigenvalue of a four-body system, 21:10097
HERNEGGER, F. Growth rate of instabilities in stratified plasmas, 23:34443 (AD-683352)
HERNUSS, P. Renal function in isotope nephrogram during pregnancy and post partum, 25:44846
HEROD, A. A. Kinetics of hydrogen and deuterium atom abstraction by methyl radicals from hydrazines and substituted hydrazines, 21:4500
Kinetics of hydrogen and deuterium atom abstraction by methyl radicals from ethylene diamine and ethylene diamine-N-d$_4$, 22:2076
Methyl radical reactions with ethanol and deuterated ethanols, 22:40092
HEROD, James V. Longitude dependence of geomagnetically trapped electrons, 21:43915
HEROLD, A. Action of alkali metal vapors on trioxides of Mo and W, 21:43628
Chemical properties of heavy alkali metals in graphite, 21:42920
HEROLD, G. Use of tertiary aromatic amines in extraction of U, 23:26343
HEROLD, H. CO$_2$-laser interferometer for the measurement of transient low-density plasmas, 23:10611
Dynamic stabilization experiment on a linear screw pinch, 25:27790
Dynamic stabilization of the m = 1 mode on a screw pinch, 25:38460 (CONF-710607-20)
Influence of strong magnetic mirrors on the stability and containment of a theta-pinch plasma, 22:1138 (LA-3770, Paper D7)
HEROLD, J. S. Beyond Hartree-liquid model of superfluid bosons, 25:14142
HEROLD, Jack Sachs Hydrodynamics of a superfluid condensate, 25:7320
HEROLD, R. Comparison of different methods of purification of hafnium, 24:4756
Forging embrittlement of Zr—2.5 percent Cu, 22:43605
HEROLD, T. R. Neutron spectrum of ^{239}PuF$_4$, 22:32461
Neutron spectrum of ^{238}PuF$_4$, 23:30915
Neutron spectrum of ^{238}PuO$_2$, 22:8304
Underwater neutron counter for estimating ^{252}Cf in reactor targets, 24:29528
HERON, R. A. Burn-out power and pressure drop measurements on 12-ft. 7-rod clusters cooled by Freon-12 at 155 psia, 24:24832 (AEEW-R-655)
HEROUX, L. Collisional excitation of neon spectra, 21:2043
Discussion on spectrometers and detectors, 25:15973
Mean lifetimes of 2p and 3p levels in He$^+$, 21:39823
Measurements of electron temperature in the solar chromosphere and corona, 25:49653
Measurements of radiative lifetimes in the extreme ultraviolet, 23:16645
HEROY, D. Inelastic electron—atom interactions in the 50 to 150 keV energy range, 25:3472 (CONF-700322-, pp 379-92)
HEROY, William B. Conference on unconventional methods in exploration for petroleum and natural gas, Dallas, 9/68, 25:34729
HERPERS, U. Activation analysis determination of special trace elements with 2-fold and 3-fold γ-coincidence arrangement, 25:15551
Determination of ^{53}Mn by neutron activation and other miscellaneous studies on lunar dust, 24:20739
Determination of ^{53}Mn with neutron activation, 23:17373
Determination of copper in metals and meteorites, 23:17378
Determination of cosmic-ray-produced nuclides ^{53}Mn, ^{45}Sc, and ^{26}Al in meteorites by neutron activation and gamma coincidence spectroscopy, 22:6270
Hf determination in Zr matrix by measurements of 15ns ^{181}Ta excited state, 23:21674
Improved techniques for separation and determination of rare-earth elements in extraterrestrial material, 25:54475
Improved, selective γ—γ coincidence arrangement for nondestructive determination of submicro traces of Cu in high-purity metals Be, Bi, Pb, Se, Sn, and Tl, 22:33231
HERPIN, Andre Diffraction of polarized neutrons by a helimagnetic [substance], 21:31492
Theory of magnetism, 23:10705
HERPIN, J. Fuel element for experimental nuclear reactors, 22:14275
HERPIN, Jacques Fuel element for experimental nuclear reactors, 21:19494
HERPPICH, G. Capacitor banks for a turbulence heating experiment, 22:46102 (IPP-4/50)
Fast storage system for a 500-kV theta-pinch experiment, 25:30567 (EUR-4593, pp 265-71)
Generation of rapid rise current pulses for fast compression experiments, 22:46104 (IPP-4/57)
Precise measurement of H. F. Fields in models, 22:46120 (IPP-4/51)
Theta pinch (500 kV) project, 25:7411 (IPP-4/68)
HERQUET, P. Test of helicity conservation in reaction K$^+$p $\longrightarrow$ Q$^+$p, 25:47753
HERR, A. Magnetization and specific heat of Fe—Be alloys, 23:30652
HERR, Antoine Magnetic properties and electron state transfers in systems Fe—Be, Co—Be, Ni—Be, 22:20079
HERR, J. J. SDI system based on NSA magnetic tapes, 24:22566 (UCRL-19290)
HERR, J. Joanne Searching nuclear science abstracts data base by use of Berkeley mass storage system, 25:23491 (UCRL-20286)
Use of data-base access for interindexer communication and for indexer training, 24:43922 (UCRL-19862)
HERR, Richard B. Absolute magnitudes and intrinsic colors of OB stars, 23:51179
Binaries subject to occultations by the Moon, 23:22746
Possibility of resolving the components of Spica through its lunar occultations in 1968, 22:41194
HERR, W. Decay of ^{180}Ta, 24:52567 (ORNL-tr-2294)
Decay of ^{180}Ta. II, 24:28780 (ORNL-tr-2226)
Determination of ^{53}Mn by neutron activation and other miscellaneous studies on lunar dust, 24:20739
Determination of ^{53}Mn with neutron activation, 23:17373
Determination of copper in metals and meteorites, 23:17378
Determination of cosmic-ray-produced nuclides ^{53}Mn, ^{45}Sc, and ^{26}Al in meteorites by neutron activation and gamma coincidence spectroscopy, 22:6270
Development and recent applications of Re/Os dating method, 22:6475
Hf determination in Zr matrix by measurements of 15ns ^{181}Ta excited state, 23:21674
Improved techniques for separation and determination of rare-earth elements in extraterrestrial material, 25:54475
Improved, selective γ—γ coincidence arrangement for nondestructive determination of submicro traces of Cu in high-purity metals Be, Bi, Pb, Se, Sn, and Tl, 22:33231
Influence of experimental factors on dating natural and man-made glasses by the fission track method, 22:6470
Recoil-chemical behavior of Ir in solutions of Na$_3$IrCl$_6$ complexes after (n,γ) processes, 21:121
Redetermination of the ^{238}U decay constant by fission tracks in a U-stained Bohemian glass, 25:5767
Thermoluminescence characteristics of fluorite minerals of different quarries, 21:4575
Thermoluminescence of lunar sample 10084 Apollo 11, 25:35824
HERRANEN, Ailene Effect of x irradiation on incorporation of leucine-1-^{14}C into thymus nuclear fractions, 21:22697
HERRANZ, R. Pulmonary scintigraphy for tumor diagnosis, 23:48121
HERRE, F. Measurement of gamma radiation conduction in a tube with a constant curvature, 25:30638
Progress report, annual, 1969-70, 25:21082 (KFK-1107)
Safety aspects in the design of WAK, 25:18566 (ORNL-tr-2370)
HERREN, M. Irradiation tests with vibrocompacted (Th/U)O$_2$ particles, 25:19291
Operating experience in the fuel cell laboratory of Juelich Nuclear Research Center, 22:37905 (HZ-1/67)
HERRERA, Alfredo Supplementary trivial equations in Penrose-Newman formalism, 25:59586
HERRERA, C. Characterization of the stem-cell population, 24:12247
HERRERA, J. C. AGS low field correction elements, 21:38046
Analytical model for betatron parameters of AGS, 24:5357 (BNL-14139)
Aperture utilization in AGS, 25:50524
Gradient corrections for the AGS, 23:27978
Horizontal half integral corrections in AGS, 23:34676 (BNL-13711)
Relativistic motion in constant field and Schott energy, 25:14507
Superperiod gradient perturbations in AGS, 21:29650 (BNL-11423)
Theory of dipole perturbations in AGS, 22:46563 (BNL-12756)
Theory of gradient perturbations in AGS, 21:9872 (BNL-10899)
HERRERA, J. R. Response of ordinary glass slide to gamma radiation, 22:12366
HERRERA, N. E. Role of ^{75}Se methionine uptake in diagnosis of lymphoma, 22:4629 (NYO-3723-1(Rev.))
HERRERA, T. Fabrication of boron carbide rings and disks, 23:51093 (LA-4164)
HERRERA-HUERTAS, M. Sorption of antimony by silica gel from nitric acid and hydrochloric acid solutions, 25:32793 (NP-18738)
HERRERO, F. A. Differential elastic scattering of low-energy protons by argon atoms, 23:32161
HERRERO, J. Furnace and controller giving a constant rate of temperature rise for thermoluminescence studies, 25:32281
HERRERO, Jose Mallen Ionization chamber, 22:49129
HERRERO, V. Radio observations of Nova Scuti 1970, 25:30091
HERREY, Erna M. J. Mechanical energy density of second sound in liquid He II, 21:37389
HERRICK, C. C. Ideal gas thermodynamic functions of selected diatomic molecules, 21:12377 (LA-3597)
Ideal gas thermodynamic functions of Tb, Er, Tm, and Pu, 21:14197
Use of laser reflections to characterize surface morphology changes, 25:51301 (LA-4698)
HERRICK, Claude C. Prog. rpt. on solid state chemistry of rare earth oxides, annual, 1968—69, 23:43287 (COO-1109-46)
Structure in liquid Au—Cd and Ce—Cd solutions, 21:491 (LA-3526)
HERRICK, D. Defect centers in GaAs/sub 1-x/P/sub x/ diodes due to electron irradiation, 24:42768
Efficiency degradation of GaAs/sub 1-x/P/sub x/ electroluminescent diodes, 24:21046
HERRICK, George M. Effect of irradiation on the peeling of newly laid eggs hard-cooked following irradiation, 21:13091
HERRICK, R. Clyde Review of initial pump stress analysis, LOFT program, 21:22066 (I-A-2412-4-1)
HERRICK, S. E. Response of pines to lethal and sublethal gamma radiation, 21:22776
HERRICK, Samuel General relativity and orbit of Icarus, 25:49691
HERRING, D. F. Application of reliability engineering concepts to the design of radiation therapy accelerators, 25:25549 (ESD-203)
Gamma-ray shielding studies in Al at 10 MeV, 21:37542
Gamma-ray shielding studies with monoenergetic gamma rays from positron annihilation, 22:44202
Neutron sources for radiotherapy, 25:3473 (CONF-700322-, pp 407-29)
Neutron yeilds from heavy isotopes bombarded by electrons, 22:32584
Recent trends in the development of radiotherapeutic equipment, 22:31123
HERRING, F. G. Electron spin resonance and electronic structure of the fluoromalonyl radical, CF(CO$_2^-$)$_2$, 24:36277
Electron spin resonance of x-ray irradiated polycrystalline and single-crystal sodium hexafluoroantimonate, 21:30475
Electron spin resonance of x-ray irradiated single crystals of ammonium paramolybdate tetrahydrate, 23:2343
Electron spin resonance study of γ-irradiated dipotassium difluoromalonate monohydrate, 24:13979
Formation of Cd(I) in irradiated CaCd(OOCCH$_3$)$_4$.6H$_2$O, 24:33725

  - Investigations of paramagnetic centers produced by tritium β-particle irradiation. I, 25:32001
  - Ionization potentials of methyl cyanide and methyl acetylene, 24:16508
- HERRING, H. James Turbulent boundary layer models. II, 24:50296 (SC-CR-70-6125)
  - Turbulent boundary layer models. II, 25:18305 (SC-CR-70-6125-B)
- HERRING, J. Advances in the design and performance of x-ray proportional counters, 21:6229
- HERRING, J. R. H. Satellite-borne x-ray spectroheliograph, 25:26484
- HERRING, John J. Ambipolar diffusion in rf-excited magneto plasmas, 23:1361 (MIAPH-PL-68.4)
  - Ambipolar diffusion in rf-excited magnetoplasmas, 23:23075
- HERRING, Louis C. Radiologic study of inorganic urinary calculi. II. Comparison of stable and radioactive strontium deposition in urinary calculi and human diet, 25:16125
  - Radiologic study of inorganic urinary calculi. I. Comparison of stable and radioactive strontium deposition in urinary calculi and human bone, 25:16192
- HERRINGTON, J. Analysis of nuclear materials by constant-current coulometry. I, 21:17585
  - Differential controlled-potential coulometry: application to the determination of uranium, 21:30380
- HERRINGTON, P. B. Filter wheel photometer for Cariboo II, 21:30331 (SC-TM-67-334)
  - Vacuum ultraviolet spectrometer for Cariboo II, 21:44990 (SC-TM-67-593)
- HERRIOTT, James Growing nickel single crystals by pulling from a melt, 22:6937 (IS-1703)
- HERRIOTT, R. M. Photoenzymatic repair of uv damage in DNA, 21:24322
- HERRIOTT, Roger M. Genetic transformation in hemophilus influenzae, comprehensive report, 9/15/67—9/14/70, 25:6241 (NYO-1371-63)
  - Prog. rpt. on genetic transformation in Hemophilus influenzae, 9/66—9/67, 21:34630 (NYO-1371-52)
  - Prog. rpt. on genetic transformation in Hemophilus influenzae, 9/64—9/67, 22:25715 (NYO-1371-51)
  - Prog. rpt. on genetic transformation in H. influenzae, annual, 9/15/69—9/14/70, 24:33589 (NYO-1371-62)
  - Prog. rpt. on genetic transformation in Hemophilus influenzae, annual, 9/15/70—9/14/71, 25:44270 (NYO-1371-64)
- HERRLANDER, C. J. Conference on why and how should we investigate nuclides far off the stability line, Lysekii, Sweden, 8/66, 22:30111
  - Excited nuclear levels in doubly even Xe isotopes populated in (α,2n) reactions, 23:9001
  - High-spin states in odd Xe nuclei, 24:13357
  - High-spin three-particle states in ^{207}Bi, 23:42945
  - Isomeric 29/2^{+} level in ^{211}At, 25:25772
  - Isomeric state in ^{123}Xe, 24:18442
  - Level systematics of even—even Te and Xe isotopes, 22:27160
  - Levels in doubly even Te isotopes ^{114} ^{116} ^{118}Te populated (α,2n) reactions, 23:49428
  - Nuclear structure effects in the 343 keV M1 transition in ^{175}Lu, 21:7787
  - Proton (h/sub 9/2/)^{3} configuration in ^{211}At, 24:49871
- HERRLICH, R. Prog. rpt. on SNAP-21 program, Phase II, 1—3/68, 22:36000 (MMM-3691-30)
- HERRMAN, Guenter Elution chromatography of rare earths at high flow rates, 24:48157
- HERRMANN, Albert Guenter Determination of rare earths in silicate rocks, 21:15873
- HERRMANN, Brigitte Oxidation of uranium monocarbide in dry or moist oxygen, 23:9351 (CEA-R-3496)
- HERRMANN, D. Determination of the population burden from natural external radiation on the territorium of the G.D.R, 21:18050
  - Enviromental radiation in GDR, 21:28493
  - Geometry effects on β dosimeter calibration, 21:26256
  - Lifetime of the 1.37 MeV state in ^{24}Mg, 24:20372
  - Radial changes of electron energy distribution function in plasma of positive column of electric discharges, 25:38438
  - Requirements for portable instruments for dose rate and contamination measurements, 25:34868 (SZS-2/71, pp 1-6)
- HERRMANN, D. B. Cooling for exhalation measurements using Peltier's method, 23:35557
  - Determination of filter material efficiency for radon daughters, 24:16761
  - Effect of cures of peripheral vascular disorders at the Bad Brambach National Radon Spa, 24:32000
  - Filter effectiveness for radon decay products, 24:36475
  - New measurement of radon content of waters at Bad Brambach, 25:54766
  - Radon content of waters at Bad Brambach, 24:16697
  - Reliability of the filter technique in determining the radon content of air, 22:48833
- HERRMANN, Dieter B. Monitoring of radioactive air and water, 21:28445 (SZS-14/66)
- HERRMANN, Diethard Experimental investigations of the radial dependence in the velocity distribution function of electrons in plasma of the positive column, 25:40629
  - Optical investigations on spark discharges, 21:27134
- HERRMANN, E. Decay of ^{139}Nd, 25:36724 (JINR-P6-5673)
  - Extraction chromatographic method for rapid and continuous separation of short-lived radionuclides, 24:50452
  - New information of ^{132}Ba levels excited in decay of ^{132}La and /sup 132m/La, 25:46020 (JINR-P6-5794)
  - New isotopes ^{141}Sm and ^{140}Sm, 21:25913
  - New method for rare-earth isotope separation, 25:34805 (JINR-P6-5761)
- HERRMANN, Eckhard Contribution to separation of rare earths by extraction chromatography with di(2-ethylehexyl) phosphoric acid (HDEHP). I, 23:35254 (ANL-Trans-756)
  - Separation of rare earths by extraction chromatography with HDEHP. I, 23:7612
- HERRMANN, F. F-center formation in alkali metal halides under electron irradiation, 23:44534
  - Penetration of electrons in alkali halide single crystals, 24:42764
- HERRMANN, F. J. Development of fuel and fuel elements for high temperature reactors, 24:30032
- HERRMANN, F. U. Correlations between constitution and scintillation properties in the p-oligophenylene series, 23:2601
- HERRMANN, Falko Mutant of Lycopersicon esculentum mill. III, 23:50445
- HERRMANN, Franz-Josef Kinetic study of the reaction of nitrogen with uranium monocarbide, 22:42649 (CEA-R-3398)
  - Kinetic study of the reaction of nitrogen with uranium monocarbide, 23:28787 (ORNL-tr-2125)
  - Oxidation of uranium monocarbide in dry or moist oxygen, 23:9351 (CEA-R-3496)
- HERRMANN, Friedrich Saturation of V_3 band formation in KCl under electron irradiation, 24:32908
- HERRMANN, G. 25 years of nuclear fission, 21:10257 (AERE-Trans-1057)
  - A system for rapid radiochemical separations from aqueous solutions, 23:45109
  - Comparison of observed delayed-neutron abundances with calculated fission yields of neutron precursors, 22:29994
  - Correlations between constitution and scintillation properties in the p-oligophenylene series, 23:2601
  - Cross sections of (n,p), (n,pn), and (n,α) reactions on ^{238}U, 23:42927
  - Decay of ^{163}Tb, 25:53804
  - Decay of 3.2-hr cadmium-117m and 2.4-hr cadmium-117g, 24:22137 (CONF-680461-3)
  - Decay studies on short-lived neutron-rich nuclides from (n,p) reactions, 24:28767 (CONF-680461-7)
  - Delayed fission neutrons, 24:30770
  - Delayed neutron precursors in fission of ^{235}U, 24:30797
  - Diffusion effects during determination of ranges of recoil atoms in gases, 25:41885
  - Evidence for four-quasiparticle state in deformed nucleus ^{164}Dy, 25:17880
  - Fission yields of iodine isotopes 131 to 135 in spontaneous fission of ^{238}U, 21:33970 (NP-tr-1555)
  - Half-lives of ^{87}Se and ^{88}Se, 25:20327
  - Hazards involved in work with radionuclides, 23:14195
  - Heavy isotope of protactinium, 23:17119
  - In-place testing of high-efficiency filters, 24:31567
  - Independent yields of /sup 124g/Sb, /sup 126g/Sb, and ^{160}Tb in neutron fission of ^{235}U, 25:15038
  - Production of spots of radioactive materials by evaporation in a carrier-gas stream, 21:3132
  - Rapid chemical separations for the study of short-lived atomic nuclei, 22:21162
  - Rapid volatilization of As, Se, Sb, and Te, 23:38030
  - Safety and radiation protection, 25:4140
  - Search for superheavy elements in terrestrial matter, 25:36779
  - Separation of fission products by extraction chromatography. II, 25:46544
  - Separation of fission products by extraction chromatography. III, 25:46558
  - Some studies on neutron-rich nuclei, 25:28326 (CERN-70-30(Vol.2), pp 985-1000)
  - Superheavy elements in nature, 24:5447
  - Volatilization of fission products from solid uranium tetrafluoride, 25:21145
- HERRMANN, G. F. Cyclotron echoes in plasmas, 21:23186
- HERRMANN, Gabriel F. Cyclotron echo study, 23:25393 (AD-678840)
- HERRMANN, Guenter Decay of ^{163}Tb, 22:50650
  - Fission yields of I isotopes 131 to 135 in the spontaneous fission of ^{238}U, 21:5548
  - Heaviest chemical elements, 24:35892
  - Ionic species of pentavalent protactinium in hydrochloric acid solutions, 21:4613
  - Neutron yields and neutron emission probability P/sub n/ of delayed neutron emitters in fission of ^{235}U by thermal neutrons, 24:18406 (CONF-680461-6)
  - Rapid chemical separations, 24:14029
  - Rapid exchange of metal ions on metal sulfide—cellulose, 24:33766
  - Rapid radiochemical separation by isotopic and ion exchange on preformed precipitates, 21:17725
  - Rapid radiochemical separations, 22:27890
- HERRMANN, H. Residual β activity and γ-spectrometric determinations in bees and honeys, 25:42374
- HERRMANN, H. G. Residual shear strength of weak shales, 21:24125 (NP-16699)
- HERRMANN, Paul F. Comparison of W and depleted U in minimum-weight, layered shields for a space power reactor, 24:2043 (N-69-35817)
- HERRMANN, R. Atomic absorption and flame emission spectrometry, 23:4551
  - Cyclotron resonance in molybdenum, 22:1305
  - Effective masses of electron jack, hole octahedron, and ellipsoids of Mo, 24:51831
  - Fermi surfaces of molybdenum during cyclotron resonance measurements, 22:13595
  - Fermi surfaces of tungsten and molybdenum, 22:17773
- HERRMANN, R. W. Sleep profiles of the monkey as affected by gamma—neutron radiation, 23:29727 (AD-675041)
- HERRMANN, Roland Iodine-specific detector for a gas chromatograph, 25:54406
- HERRMANN, W. Electron ring experiments in Garching, 24:35787
  - Excitation of electron-plasma waves by the interaction of an ion beam with a plasma, 21:18674
  - Experiment in an ion beam apparatus, 22:5035 (IPP-2/13)
  - Measurements of electron ring compression in Garching ERA, 25:50401
  - Paper-chromatographic separation of V, W, Mo, Re, and Fe, 23:15952
  - Quantitative autoradiography. II, 23:2877
  - Quantitative autoradiography, with particular consideration of special evaluation techniques. I, 22:51417
  - Some phenomena occuring during the interaction of an electron beam with a magnetoplasma, 21:35165 (IPP-2/61)
  - Strain hardening and strain rate in one-dimensional wave propagation calculations, 25:12909 (SC-RR-70-471)
  - TOODY: computer program for calculating problems of motion in two dimensions, 21:40749 (SC-RR-66-602)
- HERRMANN, W. J. Electron cyclotron heated target plasma experiments, 23:32322
- HERRMANN, Walter Basic response phenomenology analytical techniques, 25:3974 (SC-R-68-1784)
  - Dynamic compaction of initially heated porous materials, 23:22485 (SC-DR-68-865)
- HERRMANN, Winfried Investigation of the electron-beam plasma, 21:20968
- HERRMANNSFELDT, W. B. Beam break-up experiments, 21:2549 (SLAC-PUB-224)
  - Feasibility of a two-mile superconducting linac, 23:28186
  - Laser alignment system for the Stanford three-kilometer-long accelerator, 22:12690
  - Precision alignment of a large beam transport system, 21:38108
  - SLAC alignment system, 21:2547 (SLAC-PUB-222)
  - Two-mile superconducting accelerator study, 23:42797 (SLAC-PUB-626)
- HERRMANNSFELDT, W. B., Recent ideas on upgrading SLAC accelerator, 25:50425
- HERRNEGGER, F. Investigations on plasma instabilities, 25:47560 (AD-717751)
  - Literature survey on plasma instabilities, 21:23222 (AD-642936)
  - Prog. rpt. on gasdynamics in MHD flow, final, 1/31/63-12/31/65, 21:656 (AD-628917)
  - Prog. rpt. on methods in magnetohydrodynamics, final, 1/1/63—12/1/66, 21:41874 (AD-645632)
- HERRNEGGER, Franz MGD potential flow as a variational problem, 21:5119 (AD-637724)
  - Overstable modes due to resistivity gradient, 23:44445 (AD-688887)
  - Plasma instabilities and MHD applications, 23:34446 (AD-684563)
  - Prog. rpt. on plasma instabilities, final, 1/1—12/31/67, 22:34717 (AD-664924)
  - Unsteady one-dimensional plasma flow of the type v perpendicular to B, 21:18660 (AD-642242)
- HERRON, Charles S. Modified vertex view in brain scanning, 21:18105
- HERRON, T. Long period gravity and acoustic modes of lop nor thermonuclear event, 6/17/67, 23:29031 (AD-683311)
  - Long period gravity and acoustic modes of French nuclear tests of 1968, 23:51451 (AD-690545)
- HERRON, Thomas J. Atmospheric pressure waves from nuclear explosions, 25:51659 (AD-720853)
  - Correlation between geomagnetic micropulsations and ionospheric doppler changes, 24:10418 (AD-694567)
- HERRY, J. Wired arithmetic computer for particle identification, 25:18718
- HERSCHBACH, D. R. Dipole—dipole scattering in molecular beams, 21:3682
  - Electronic excitation of K atoms in collisions with diatomic molecules, 24:42534
  - Excitation and ionization of K atoms by diatomic molecules: role of ion-pair states, 24:42536
  - Hydrogen atom scattering: velocity dependence of total cross section for scattering from rare gases, hydrogen, and hydrocarbons, 21:18424
  - Hydrogen-atom scattering, 23:44178
  - Molecular beam kinetics: reactions of K, Rb, and Cs with Br$_2$ and I$_2$, 21:41810
- HERSCHBACH, K. Comparison of defects injected into platinum by quenching and by radiation doping, 22:46202
  - Defect production and recovery in Pt, 22:31949
  - Dislocation density and resistivity increment during irradiation of fcc metals, 23:43996
  - Effect of pre-irradiation treatments on point defects in fcc metals by deuteron irradiation, 22:31928 (BNL-50083, pp 291-302)
  - Effects of doping on damage and recovery of deuteron-irradiated Al, 21:32945
  - Radiation annealing in deuteron-irradiated Au, Al, and Pt, 21:13221
  - Recovery of deuteron-irradiated Au, Al, and Pt, 21:13642
  - Stage-III annealing in Al after deuteron irradiation at different temperatures, 23:16872
  - Void formation in nickel during high temperature proton irradiation, 25:32753
- HERSCHBACH, Kornelius Recovery of deuteron-irradiated platinum, 22:8795
- HERSCHMAN, Arthur Information retrieval in physics, 22:7943 (IARD-67-1)
- HERSCHMAN, H. Subcellular fractionation of cultured glial cells, 25:3983 (UCLA-12-793)
- HERSCHMAN, Harvey R. Appearance of brain-specific antigen in developing rat brain, 25:4694 (UCLA-12-791)
  - Distribution of polysomes in mouse brain tissue, 25:3986 (UCLA-12-796)
- HERSCOVICI, H. Emergency radiography with radioisotopes, 22:40808
  - Functional exploration of the kidney with the aid of isotopic nephrograms in irradiated and burned animals, 21:403
  - Methods of detecting internal radiocontamination with radioactive iodine and sulfur, 21:4800
  - Problems of radiation sickness prophylaxis and treatment, 22:25861 (JPRS-39391)

  Protection from the damaging effect of ionizing radiation, 21:4801
  Protective effect of Folcysteine against acute radiation sickness, 23:50614
  Value of isotopic renocystograms for surgical orientation in diseases affecting the urinary system, 21:402
HERSCOVICI, P. Erosion-resistant sintered tungsten carbide alloys used for drilling bits, 23:16489
HERSCOVITZ, Victoria E. Momentum distribution of short-lived nuclear hole states, 25:15194
  Remark on nuclear hole states in quasi-free scattering, 22:16071
HERSEY, B. A. Behavior of intentionally defected fuel rod which ruptured during irradiation, 23:46149 (WAPD-TM-628)
HERSH, Herbert N. Effects of x irradiation at 78°K on plastically deformed KI, 21:40072
  Scintillation mechanism in thallium doped alkali halides, 24:39285
HERSH, Michael S. Resistance spot welding of metal matrix composite, 24:42222
HERSH, Theodore Gastrointestinal microflora of irradiated mice. I. Relationship of mucosa and microflora in weanling mice, 24:39570
  Gastrointestinal microflora of irradiated mice. II. Effect of oral antibiotic administration on the colonic flora and survival of adult mice, 24:39569
  Gastrointestinal microflora of irradiated mice. II. Effect of oral antibiotic administration on the colonic flora and survival of adult mice, 24:51057
HERSHBERGER, R. L. Mean lives of some states in ^{10}B, 22:13944
  Mean lives of states in ^{29}Si below 5 MeV, 23:42887
  Mean lives, branching ratios, and excitation energies of levels in ^{20}F below 4 Mev, 24:13335
HERSHBERGER, Robert Lee Properties of electromagnetic transitions in ^{20}F and ^{55}Fe, 25:34041
HERSHENSON, Lee M. Rapid diagnosis of steatorrhea by external counting of abdomen after ^{131}I-labeled fat administration, 21:20251
HERSHEY, Harry C. Separation of cesium and strontium by electrodialysis, 22:27892
HERSHEY, John Landis Model atmospheres and strong-line profiles for late-type dwarfs, 25:6974
HERSHKOWITZ, N. Hyperfine interactions of FeB, 24:1490
  Hyperfine structure of 74.6-keV level of ^{161}Dy, 22:7700 (NYO-2028-2, pp 69-73)
  Instrumentation for Moessbauer effect experiments using radioactive sources, 22:6675 (NYO-2028-2, pp 159-69)
  Moessbauer effect in ^{232}Th, 22:53191
  Moessbauer effect in tungsten following Coulomb excitation, 25:15020
  Moessbauer effect of 105-keV level of ^{155}Gd, 22:7699 (NYO-2028-2, pp 58-62)
  Moessbauer effect studies following Coulomb excitation, 25:10863
  Moessbauer effect studies of ytterbium iron garnet, 22:7348 (NYO-2028-2, pp 63-6)
  Moessbauer scattering with efficient geometry, 21:36388
  Moessbauer-effect observations of ^{232}Th following Coulomb excitation, 25:30693
  Radiation damage in tungsten carbide, 25:1305
  Recoil radiation damage following Coulomb excitation, 23:42408
  Recoil radiation damage following Coulomb excitation in Hf compounds, 24:19999
  Recoil radiation damage following coulomb excitation, 25:56369
  Relative quadrupole moments of the first excited states of ^{182}W, ^{184}W, and ^{186}W, 25:34090
  Velocity shifts in Moessbauer spectroscopy, 21:32400
  Velocity smearing, 25:37634
HERSHKOWITZ, Noah Moessbauer effect of the second excited state of ^{57}Fe, 21:19240
HERSHMAN, J. M. Effect of vasopressin on thyroidal radioiodine uptake, 24:7718
HERSHMAN, Jerome M. Effect of cold exposure on serum thyrotropin, 24:25413
HERSKIND Coulomb excitation of ^{154}Gd and ^{166}Er, 24:49806
HERSKIND, B. Angular distributions for inelastic deuteron scattering from samarium, 21:4314
  Anomalous hyperfine fields in Fe hosts, 21:44149 (COO-7-0423)
  Anomalous hyperfine fields in Fe hosts, 22:46803
  Collective levels in ^{121}Sb and ^{123}Sb, 22:20636
  Collective states in ^{59}Co, 22:3680
  Collective states in odd nucleus ^{170}Tm from deuteron inelastic scattering, 22:5836
  Coulomb excitation of even Sm isotopes, 22:32614
  Coulomb excitation of rotational and vibrational states in ^{167}Er, ^{163}Dy, and ^{155}Gd, 23:49407
  Doppler shift determination of lifetimes for Coulomb excited states, 21:1023
  Effective magnetic fields on ^{150}Sm in ferromagnetic lattices, 22:1354
  Energy-dependence of transient fields on moving ions in ferromagnetic solids, 24:49804
  Evidence for transient hyperfine fields on fast ions in ferromagnetic media, 22:29241
  g-factors for 2^+ states of doubly even nuclei, 23:42906
  Hole-vibration coupling in ^{115}In, 25:12543
  Hyperfine fields on hafnium nuclei in iron and gadolinium metal, 23:42507
  Hyperfine fields on hafnium nuclei in iron and gadolinium metal, 25:1322
  Implantation-perturbed angular correlation experiments in iron after inelastic proton scattering, 23:39559
  Inelastic deuteron scattering from ^{148}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm, 22:20588
  Internal magnetic fields at Mo, Ru, Pd, Sm, and Pt nuclei implanted in Fe, Co, Ni, and Gd metals, 21:44148 (COO-7-0422)
  Internal magnetic fields at Mo, Ru, Pd, Sm, and Pt nuclei implanted in Fe, Co, Ni, and Gd metals, 22:46267
  Magnetic hyperfine field of uranium in iron, 24:49883
  Magnetic moments of first excited 2+ states in even Hg isotopes, 22:46788
  Magnetic moments of first excited 2^+ states in even Hg isotopes, 21:44661 (COO-7-0424)
  Magnetic moments of the first excited 2^+ states in the even Pt isotopes, 21:44704
  Matrix elements between collective states in ^{152}Sm, 24:43359
  Neutron single-particle states in ^{143}Nd and ^{145}Sm, 21:46736
  Nuclear lifetime and g factor of $19/2^-$ isomeric state in ^{43}Sc, 25:48050
  Quadrupole interaction of Hf in hafnium metal single crystals after recoil implantation, 25:46067
  Study of energy levels in odd-mass Yb isotopes by (d,p) and (d,t) reactions, 21:17377
  Time-dependent interactions on rare-earth ions implanted into copper lattices, 24:49805
  Transient fields in ferromagnetic iron and gadolinium, 25:5189
HERSOCOVICH DE PAHISSA, M. H. Effects of electromagnetic radiation on system carbon tetrachloride—dithizone, 24:25305 (CNEA-242)
HERSOM, A. C. Canned foods. An introduction to their microbiology, 25:49334
HERSUM, T. G. Effects of nuclear methods approximations on LMFBR analysis, 25:25965 (GEAP-13551)
  Field testing requirements for fuel, curtains, and control rods, 25:54098 (NEDO-10017)
HERTEL, B. Penetration of lattice defects in Cu and Au foils bombarded with 1 to 5-keV argon ions, 22:26487
HERTEL, E. Comparison of scintigraphy and x-ray diagnosis in osteomyelitis, 24:759
  Mediastinal lymph node scintigraphy in animals during indirect isotope lymphography of the lungs, 24:21239
  Mediastinal lymph node scintigraphy, 24:44539
  Scanning mediastinal lymph nodes, 24:12191
HERTEL, G. R. Desorption of U^+ ions from W and Re surfaces, 21:35935
  First ionization potential of U, 21:35937
  First ionization potentials of Th, Np, and Pu by surface ionization, 23:51372
  Surface ionization. III, 22:24458
HERTEL, I. V. Application of second Born approximation to 3s—4s excitation of Na by electron impact, 25:47341
  Electron collision cross sections and generalized oscillator strengths for potassium, 22:43931
HERTEL, Ingolf V. Electron-impact excitation of 6^2P states in cesium, 23:5225
HERTEL, J. Compilation of electromagnetic transition rates in light nuclei (A less than or equal to 40), 21:40409
  Gamma decay of the (p/sub $1/2/^{-1} + 3^-$) doublet in ^{207}Pb, 24:43374
  Lifetime of the $3/2^+$, 1.013 MeV state and the excited-core model of ^{27}Al, 21:5512
HERTEL, J. W. Coulomb excitation of collective septuplet at 2.6 MeV in ^{209}Bi, 23:47031
  Coulomb excitation of the collective septulet at 2.6 MeV in ^{209}Bi$^+$, 24:43371
HERTEL, P. Non-compact intrinsic symmetry groups and many-particle states, 21:2490
  Non-hermitian weak hadronic current and the $\Sigma \rightarrow \Lambda$ leptonic decay, 21:31568
  Pion—pion scattering lengths from Veneziano formula, 23:39718
  Transition temperature of superconductors, 25:3023
HERTEL, P. H. Electromagnetic-transition form factors free of kinematic singularities, 24:15520
HERTEL, Peter Lifetime of the kappa meson, 22:35052
HERTEL, R. Lipid metabolism following total body x-irradiation of rats, 23:31642
HERTENBERGER, Gerhard Charge symmetrical pairing correlations for even—even nuclei with N = Z, 23:9052
  Lead-210 shell-model calculations with harmonic oscillator wave functions, 21:2763
HERTER, F. P. Microminiaturized detectors for in-vivo radioisotope uptake studies, 23:29183
HERTER, Frederic P. Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. II, 24:14410
  Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. I, 24:14409
HERTING, Sv. E. Lymph node scanning with radioactive Au, 25:26851
HERTLING, Carl Clinic of nuclear medicine of Berlin Rudolph—Virchow-Hospital as model for optimized building for radiation protection, 23:26815
HERTMAN, I. M. Escherichia coli K 12 recAuvrB double mutant, 24:12057
HERTMAN, Israel Transduction studies on uv induction of prophage lambda, 21:34823
HERTOGEN, J. Instrumental neutron activation analysis of rocks with a low-energy photon detector, 25:57387
HERTOGHE, Jacques J. Intestinal absorption and body retention of ^{47}Ca in rats, 22:40548
HERTSCH, George J. TV system for data blending of scintiscans, 23:50670
HERTTUA, M. Computer program for computation of irreducible representations of SU(3), 21:15374
HERTWECK, F. Calculation of the current flow directions in a channel with staggered electrodes under MHD generator conditions, 25:7204 (IPP-6/89)
  Computer programme for solving MHD equations for theta pinch in time-dependent coordinate system, 25:19647 (IPP-6/90)
HERTZ, M. R. Radiation emitted by ^{233}U, ^{232}U mixtures, 23:17347 (MLM-1400)
  Thick target yields for the ^{9}Be(α,n) reaction, 25:38852
HERTZ, Robert S. Allogenic transplants using ^{60}Co irradiated rabbit teeth with polyvinyl sponge root liners, 25:52009
HERTZ, W. Lattice parameter changes in low-temperature x-irradiated KCl, 21:44183
  Radiation-induced lattice parameter change of KCl, 25:40782
  Role of the inertial force in the linear z-pinch, 21:11597 (SC-T-66-0771)
  Z-THETA discharge arrangement with superimposed stationary magnetic field on a superconducting coil, 23:5371
HERTZBACH, S. Decay parameters (Σ^-), 21:46474
HERTZBACH, S. S. Branching ratios for the decay of vector mesons into lepton pairs, 21:25220
  Decay parameters in nonleptonic decay modes of charged Σ hyperons, 24:37616
  Study of $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^0 + n$ reactions using polarized Σ^- with momentum from 0 to 650 MeV/c, 24:49314 (NYO-3651-14)
HERTZBACH, Stanley S. CP violation in K(neutral) $\rightarrow \pi^+\pi^-\pi^0$, 25:14762
  Reactions $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^- + p \rightarrow \Sigma^0 + n$ at P/sub Σ^-/ between 0 and 600 MeV/c, 23:49043 (NYO-3651-11)
  Reactions $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^- + p \rightarrow \Sigma^0 + n$ at P/sub Σ^-/ between 0 and 600 MeV/c, 24:47385 (CONF-690557-(Vol.2), pp 939-50)
HERTZBERG, A. Use of long-wavelength, high powered lasers for controlled thermonuclear fusion, 25:59054 (MATT-782)
  Use of long-wavelength, high-powered lasers for controlled thermonuclear fusion, 25:38450 (CONF-710607-48)
HERTZBERG, O. Influence of gestation and lactation on radiostrontium-induced malignancies in mice. II, 21:45820
HERTZBERG, Ola Protective effect of cysteamine at fractionated irradiation. II, 22:28606
HERTZBERG, R. W. Mechanical response of the Ni—Ni_3Nb eutectic composite. Part I. Monotonic behavior, 25:35461
  Mechanical response of the Ni—Ni_3Nb eutectic composite. Part II. Cyclic behavior, 25:35462
  Prog. rpt. on eutectic alloys, semiannual, 7/14/66, 21:31034 (N-66-32264)
  Structure and elevated-temperature mechanical behavior of Ni—Ni_3Nb eutectic alloy, 23:22545
HERTZBERG, Richard W. Deformation in wrought Mg—9 wt percent Y, 25:13710
HERTZBERGER, L. O. HPD—CDC 3200 system at Amsterdam, 25:13275 (CERN-70-21(Vol.2), pp 709-20)
HERTZENDORF, I. I. Hematopoietic changes in beagles fed ^{90}Sr, 23:38806
HERUFEK, B. Kinetics of glucoronization under normal and pathological conditions, 25:6603
HERVE, A. EPR identification of neutral charge state of Be vacancy in irradiated BeO, 25:36283
  EPR identification of V_1 centers in irradiated BeO, 24:42762
  Test facility for large superconducting strips, 23:38265
HERVE, Alain Annihilation of slow positrons in metals and ionic crystals, 25:46360 (CEA-Bib-175)
  Electron spin resonance study of defects produced by irradiation in an ionic solid: beryllium oxide, 25:11950 (CEA-R-3937)
  EPR of a new boron center in neutron-irradiated BeO, 25:5162
HERVIN, R. L. Cost and man year effort associated with the health protection programs, 21:14666
  Evaluation of radiation dose to man from radionuclides released to the Clinch River, 21:16307
HERWIG, Lloyd O. Federal support of academic research, 24:7061
  Nuclear characteristics of large reflector-moderated gaseous-fueled cavity reactors containing hot hydrogen, 21:27792
HERY, C. Radiosensitization of bone marrow stem cells by mitomycin C, 23:35894
HERY, M. Study of the control of a fast-reactor nuclear power plant on a hybrid computer, 23:49548 (ANL-Trans-771)
HERYNEK, I. Hyperon bubble chamber HYBUC, 25:34972 (CONF-700623-(Vol.2), pp 640-6)
HERZ, A. J. Helium recoil spectrometer, 25:46637
  High-field pulsed magnet, 24:11888
  Measurement of beam profile for high-intensity particles, 25:2434 (CERN-70-27)
HERZ, Alfred J. Emulsions as detectors at high-energy accelerators, 25:23853
HERZ, J. E. Radiation-induced polymerization and copolymerization of unusual monomers, 23:35139 (TID-24923)
HERZ, J. H. Copolymerization by gamma-irradiation of eutectic mixtures, 24:27122
HERZ, M. A. Numerical evaluation of electron-equations of state with pair creation, 22:49919
HERZ, Margaret Bibliography on stellar interiors, 1958—Mid-1966, 21:11331 (JILA-88)
HERZ, R. H. Photographic action of ionizing radiations, 24:2455
HERZBACH, S. Sigma$^+$ decay parameters, 21:868 (NYO-3651-1)
  Sigma$^+$ decay parameters, 21:2359
HERZBERG, G. Beutler—Fano shape in the predissociation of H_2, 25:58717
  Dissociation energy and ionization potential of molecular hydrogen, 24:3155
  New continuous emission spectrum of the hydrogen molecule, 25:972
  New spectra of the CH molecule, 24:1139
HERZBERG, L. Ionospheric conditions following the proton flare of July 7, 1966, 23:22828
  Topside electron density variations at low magnetic activity, 24:17819

- HERZBERG, Luise New determination of the $^{12}C/^{13}C$ isotopic abundance ratio in the solar photosphere, 21:16775
- HERZBERGER, P. Burnout detector realisation, 23:52488 (LIB/Trans-209)
  - Design and construction of a programmer for an electron beam welding machine, 25:8391 (EUR-4537)
  - Device for burnout detection with localization for dc-heated individual pipes and bundles, 23:7888 (EUR-4062)
- HERZEL, R. Brittle behavior of Zircaloy in an emergency core cooling environment, 24:52915 (IN-1389)
  - Brittle behavior of Zircaloy under emergency-core-cooling conditions, 23:36094
- HERZENBERG, A. Attachment of slow electrons to oxygen molecules, 24:8343
  - Compound states in atoms and molecules, 25:58804
  - Electron-detachment in slow collisions between atoms and negative ions, 21:37158
  - Oscillatory energy dependence of resonant electron—molecule scattering, 22:43929
  - Resonances and exchange in scattering of electrons by helium atoms. II, 22:29189
  - Resonances and exchange in scattering of electrons by helium atoms. I, 22:29188
- HERZENBERG, L. A. Immunoglobulin production in radiation chimeras, 23:47997
- HERZENBERG, Leonard A. Antibody response to synthetic polypeptide, 24:11996
  - Congenic mouse strains with different immunoglobulin allotypes. I, 22:40531
  - Fetal liver cells: a source of specific immunoglobulin production in radiation chimeras, 21:24551 (USNRDL-TR-67-26)
  - Immunological memory in mice. I. Physical separation and partial characterization of memory cells for different immunoglobulin classes from each other and from antibody-producing cells, 24:36716
  - Immunological memory in mice. II. Cell interactions in the secondary immune response studied by means of immunoglobulin allotype markers, 24:36715
  - Lymphoid precursors, 24:9787
- HERZER, H. Fabrication of high quality silicon junction detectors by low energy ion implantation, 21:28223
  - Ion implanted semiconductor detectors, 24:5885 (EUR-4269, pp 193-220)
- HERZER, Joerg Alexander Behavior of nucleic acid metabolism in early stage of compensatory and regenerative hypertrophic growth of the kidney after ^{60}Co radiation, 23:26695
- HERZER, R. Uptake and excretion of $^{3}H_2O$ in rats, 22:430
- HERZFELD, U. Indication assessment and dosimetry in endolymphatic therapy using ^{131}I-Lipiodol, 23:24675 (AERE-Trans-1101)
- HERZFELD, Ulrich Position indications and dosimetry of endolymphatic therapy with ^{131}I-Lipiodol, 21:45716
- HERZIG, Benno Studies on biological radiation protection. LXXIX, 22:40523
- HERZKE, J. Machining with a plasma jet, 25:31753 (UCRL-Trans-10524)
- HERZMANN, H. Antibodies labelled with ^{131}I applied to identifying bacterial infections, 23:29637
  - Assessment of glomerular kidney function, 25:6737
  - DTPA—^{51}Cr in renal diagnosis, 23:12173
  - Endolymphatic therapy using ^{131}I-labeled lipiodol, 25:52153
  - Experience in the diagnostic use of new mercury-labeled compounds, 22:25958
  - Investigation of resorption of amidotrizoate (^{131}I-visotrast) labelled with ^{131}I during gastrointestinal passage, 23:35658
  - Isotope placentography with ^{131}I-, ^{132}I-, ^{51}Cr-, and /sup 99m/Tc-labeled human serum albumin, 22:25936
  - Medical preparations labelled with radioactive isotopes, 23:38400
  - Placentography with /sup 99m/Tc compared with human serum albumin labeled with ^{131}I and ^{132}I, 21:45737
- HERZO, D. Beam survey of intermediate energy meson beam in proton area at ZGS, 21:40300 (COO-1195-96)
  - Measurement of ratio of tau' partial decay rates, 24:12930
  - Measurement of the relative partial decay rates for $K^{+-} \rightarrow \pi^{+-} + \pi^{+} + \pi^{-}$, 21:33594
- HERZO, D. P. Measurement of ratio GAMMA($K^{-} \rightarrow \pi^{-}\pi^{0}\pi^{0}$)/GAMMA($K^{+} \rightarrow \pi^{+}\pi^{0}\pi^{0}$) of tau' partial decay rates, 22:48214 (COO-1195-128)
- HERZO, Dennis Paul Comparison of the positive and negative tau prime partial decay rates for kaons, 24:10659 (COO-1195-169)
  - Comparison of the positive and negative tau prime partial decay rates for kaons, 25:5261
- HERZOG, G. Nuclear reactor as a pulsed neutron source, 23:28568
  - Particles emitted from ^{75}Br compound nuclei formed in two ways: $^{12}C + ^{63}Cu$ and $^{16}O + ^{59}Co$, 22:53151
- HERZOG, G. F. Absolute scale for radiation ages of stony meteorites, 25:38044
  - Fissionability as a function of angular momentum for ^{181}Re compound nucleus at an excitation energy of 70 MeV, 24:24568
  - Protons and alpha particles emitted from ^{75}Br compound nuclei with differing angular-momentum distributions, 25:12461
  - Radiation age of Norton County meteorite, 25:24680
  - Trace elements and radioactivity in lunar rocks, 24:21528
- HERZOG, Gerold Atucha nuclear power station, 23:28370
- HERZOG, Gerold B. Atucha nuclear power station: a natural U PHWR in the Argentine, 23:34882
- HERZOG, Gregory F. Heavy-ion-induced reactions for systems $^{16}O + ^{27}Al$, $^{16}O + ^{59}Co$, and $^{12}C + ^{63}Cu$, 25:48048
- HERZOG, H. Radioisotope scanning and bronchospirometry in ventilation and perfusion of lungs, 23:41371
- HERZOG, Heinz Pocket dosimeter, 25:34893
- HERZOG, K. H. Radiogenic fractures of the femur neck, 21:6691
- HERZOG, L. F. Determining the composition and history of the solar system, 24:28031
- HERZOG, Leonard F. Prog. rpt. on fission product analysis, final, 9/15/66—9/30/67, 22:38149 (UCRL-13344)
- HERZOG, P. K-shell particle parameter of 122-keV transition in ^{153}Sm, 24:3931
  - Linear polarization and γ—γ directional correlation measurements in ^{106}Pd, 23:8992
  - Multidetector apparatus for linear polarization correlation measurements, 22:6608
  - Paramagnetic correction factor of Yb, 24:30405
  - Parity of 305-keV state of ^{48}V by linear polarization correlation measurements, 22:7668
  - Parity of the 1663-keV state of ^{166}Er, 23:15480
  - Spins in decay of $^{219}Rn \rightarrow ^{215}Po$, 25:17948
- HERZOG, R. F. K. Mass spectrometer analysis of solid materials with the ion—microprobe sputter source, 21:22194 (N-67-14927)
- HERZOG, S. Electron-rich compounds of lanthanide elements with 2,2'-dipyridyl, 21:40824
  - Question of the existence of (U $Dipy_3$)$(SCN)_4$, 24:41244 (LIB/Trans-283)
  - Question of the existence of ($UDipy_3$)$(SCN)_4$, 21:15884
- HERZOG, Siegfried Alkali compounds of tetrakis(2,2'-dipyridyl)-uranium ($UDipy_4$), 22:14494
- HERZOG, W. Decay studies on short-lived neutron-rich nuclides from (n,p) reactions, 24:28767 (CONF-680461-7)
  - Process and arrangement for radiation-chemical reactions, 23:4668
  - Some studies on neutron-rich nuclei, 25:28326 (CERN-70-30(Vol.2), pp 985-1000)
- HERZOG, W. G. Radioactive tracers test nuclear steam turbines easier, better, 25:13148
  - Tracer tests for nuclear power plant steam turbines, 25:18097
- HESBOEL, R. Experiences on the release of iodine from uranium dioxide fuel, 25:31607
  - Method for calculating the washout of elemental iodine by water sprays, 25:15372 (AE-408)
  - Studies on iodine trapping by water systems at Studsvik, 25:25997
  - Trapping of I in water pools at 100°C, 22:18459
- HESBOEL, Rolf Method for the determination of long-range transport of atmospheric sulphur, 25:51632 (A/CONF.49/P-318)
- HESBOL, R. Studies on iodine trapping by water systems, 24:33344
- HESE, A. Excited states of the La I spectrum, 25:16771
- HESE, Achim Hyperfine structure and lifetime of 5d6s6pz ^{2}F/sub 5/2, 7/2/ states in lanthanum, 24:37191
- HESEMANN, C. U. Examples of alteration of awn length in spring barley mutants in a different genetic background, 21:22785
- HESFORD, E. Adsorption of radioactive cations and anions on steel surfaces, 22:28741
- HESHAMUL-HUQUE Observations on effect of ionizing radiation against desert locust, 21:43501
- HESKE, M. Determination of the radiation field in nuclear reactor shielding on the basis of measurements on a limited parallel beam. II, 22:7925
  - Intensity distributions of neutrons and γ-radiation and relaxation lengths as functions of the volume percentage of the metal component in the shield, 22:14162
  - Prompt γ-rays from neutron interaction in ^{235}U and resonance spin assignments, 23:49405
- HESKETH, R. Irradiation effects in zirconium alloy pressure tubes, 25:52391 (A/CONF.49/P-502)
- HESKETH, R. V. Anisotropic electromigration: the nearly free electron model, 24:37553 (RD/B/N-1649)
  - Application of the generalized theory of yielding creep to irradiation creep in zirconium alloys, 22:28853
  - Atom transport down thermal and electric gradients in solids, 23:52511 (RD/B/N-1468)
  - C axis texture of Zircaloy-2 and Zr—2.5 wt percent Nb pressure tubes, 23:12300 (RD/B/N-1240)
  - Collapse of vacancy cascades to dislocation loops, 22:31936 (BNL-50083, pp 389-401)
  - Diffusion creep in Zr, Zircaloy-2 and ATR, 23:38961
  - Diffusion creep under neutron irradiation, 23:12381
  - Dislocation climb: first catch your Poisson, 24:25755
  - Further comments on vacancy and interstitial clusters in neutron-irradiated nickel, 21:33529
  - Irradiation creep in non-fissile metals, 22:28879
  - Irradiation growth and creep in Zircaloy-2, 24:14838
  - Non-linear growth in Zircaloy-4, 23:34040
  - Non-linear irradiation growth, 23:16502 (RD/B/N-1216)
- HESKIA, S. Geometrical description of generalized gauge fields. II, 25:36575
  - Geometrical description of generalized gauge fields. I, 25:36574
  - Massive vector mesons with gauge-invariant Lagrangian, 25:59555
- HESKIA, Said New viewpoint on the space—time model of elementary particles. i, 25:36544
  - Space—time model of elementary particles. II, 25:41035
- HESLIP, P. G. Value of radioisotope scanning in the investigation of suspected carcinoma of the pancreas, 25:49238
- HESLOP, R. B. Determination of sulphur in fluorocarbon polymers by neutron activation, 25:56
  - Separation of /sup 99m/Tc from ^{99}Mo by solvent extraction, 24:31449
  - Substoichiometric determination of Cr in Al alloys, 24:41229
  - Substoichiometric determination of molybdenum by neutron activation, 24:27021
  - Substoichiometric determination of tungsten by neutron activation and isotope dilution analysis, 25:15548
- HESLOT, H. Induction of mutations by physical and chemical mutagenic agents, 21:32609
  - Induction of mutations in barley, 21:28418
  - Mitotic conversions at the level of ad-9 gene in S. pombe, 24:31943
- HESP, R. Inhibition of radiostrontium uptake from the human gastrointestinal tract with sodium alginate, 21:45591
  - Study of a case which involved a wound contaminated with Pu and ^{241}Am, 25:37781 (EUR-4612, pp 273-87)
- HESPE, E. D. Leach testing of immobilized radioactive waste solids, 25:37474
  - Nuclear materials management procedure, 23:33363 (AAEC/PM-2(Rev.))
- HESPEL, Claude Machine for tapping gas present in a closed envelope or for pressurising such an envelope, 22:42527
  - Mounting device for fuel element assemblies in a nuclear reactor, 21:2907
- HESS, A. L. ZPR-3 assemblies 48: 48A, and 48B: the study of a dilute plutonium-fueled assembly and its variants, 25:28752 (ANL-7759)
- HESS, A. L FFTF critical experiments: control-rod studies on ZPR-3, 21:38689
- HESS, A. L. Critical experiments and preliminary analysis of multifueled, nonuniform core loadings for FARET program, 21:35693 (ANL-7320, pp 550-9)
  - Critical studies for fast reactor "RAPSODIE", 21:5597 (ANL-7044)
  - Fabrication and evaluation of hafnium—tantalum clad rocket nozzles, 23:48363
  - Postanalytical study of eight ZPR-3 benchmark criticals, 24:33434
  - Validity of fast-critical experiments as integral tests of ENDF/B, 24:7276
  - ZPR-3 Assembly 48: studies of a dilute Pu-fueled assembly, 21:35675 (ANL-7320, pp 205-14)
- HESS, Allen L. Experiments with a series of small, Pu-plus-U-fueled fast-reactor criticals (FARET mockup—ZPR-3 Assembly 46), 25:8114 (ANL-7215)
- HESS, B. Determination of ^{55}Mn by neutron activation and other miscellaneous studies on lunar dust, 24:20739
  - Hf determination in Zr matrix by measurements of 15ns ^{181}Ta excited state, 23:21674
  - Oxygen exchange between ReO_4^- and H_2O, 21:23873
  - Thermoluminescence of lunar sample 10084 Apollo 11, 25:35824
- HESS, Bernhard Single automatic device for measurements on mass spectrometer with scan repeat and optional cycle number, 22:45351 (JUL-505-RC)
- HESS, C. T. Deformed spin-orbit potential in Nilsson-model calculations, 24:30880
- HESS, Charles Thomas Wave functions for odd—odd deformed nuclei, 22:30110
- HESS, D. C. Polarized ion source for the Argonne Tandem, 21:21347
- HESS, D. N. Fixation of high-level radioactive wastes in glassy solids. IV, 21:39164 (ORNL-3816)
  - Isotopes and radiation technology. Vol. 6, No. 4, 23:29621
  - Isotopes and radiation technology. Vol. 7, No. 1, 23:50062
  - Isotopes and Radiation Technology, Vol. 7, No. 3, 1970, 24:11740
  - Isotopes and radiation technology, Vol. 7, No. 2, Winter/1969—70, 24:14192
  - Isotopic thermoelectric generators, 23:50058
  - Nuclear power in perspective: the plight of the benign giant, 25:48228
  - Processing of ThO_2 and UO_2 sol—gel materials, 22:33295 (ORNL-TM-1809)
- HESS, David C. Method for generating a beam of ions, 23:38357
- HESS, Dick Table of Clebsch—Gordan coefficients and spherical harmonics, 22:42102 (UCID-2823)
- HESS, Dieter Radiochemical formation and photolysis of α-keto-oxetane derivatives of vinylene carbonate, 22:14531
- HESS, F. Analysis of Debye—Waller factor and Moessbauer thermal-shift measurements. II, 22:7399
  - Cross sections for reactions anti pp $\rightarrow \pi^{+}\pi^{-}$ and $K^{+}K^{-}$ near 2 GeV/c, 23:5529
- HESS, Freidhelm Content of serum enzymes LDH, GOT, and GPT in cancer, 23:20096
- HESS, G. High-temperature embrittlement of 16/13 CrNi steels after neutron irradiation, 22:8791
  - Radiation induced high temperature embrittlement of austenitic steels, 24:12441
  - Research on high-temperature embrittlement of 16/13 CrNi steels after neutron irradiation, 22:34080 (EURFNR-464)
- HESS, G. B. Angular momentum of superfluid helium in a rotating cylinder, 21:39965
  - Measurements of angular momentum in superfluid helium, 21:35127
- HESS, G. M. Minimum critical ^{235}U enrichment for uranyl nitrate hydrogenous systems, 22:6119
  - Minimum critical ^{235}U enrichment of homogeneous, hydrogenous uranyl nitrate systems, 22:21149
  - Minimum critical ^{235}U enrichment of homogeneous hydrogenous uranyl nitrate, 23:26091 (ORNL-CDC-5)
  - Polarity spectral analysis reactivity errors, 24:7287
  - Reactor noise experiments in reflected plutonium assemblies, 21:30124 (CONF-660206, pp 381-98)
- HESS, George B. Critical velocities in superfluid He flow through 10-μm-diameter pinholes, 25:58921
- HESS, George M. Comparison of inverse kinetics and polarity spectrum reactivity measurements in FTR-3, 25:41531
- HESS, Guenter Influence of thermal-mechanical pretreatment on irradiation behavior of Ti-stabilized 15/15 CrNiB steel, 25:47147
- HESS, Guenther Plasma burner, 21:807
- HESS, Helmut Influence of a cylindrically converging shock wave on a spark plasma, 22:13507
- HESS, J. Exchange interactions in rare earth iron garnets, 22:24426

Hyperfine interactions of Eu nuclei in $SmFe_7$, Sm_2Co_{17}, and Sm_2Ni_{17}, 23:16874
Isomer shift measurements of $2+ \rightarrow 0+$ rotational transition of ^{170}Yb, 22:46774
Isomer shift of 83.4-keV rotational transition of ^{153}Eu and interband mixing, 22:27133
Isomer shifts in $2^+ \rightarrow 0^+$ rotational transition of ^{170}Yb, 21:29997
Mean lifetimes of 4^+ levels in ^{156}Dy and ^{164}Er, 22:48552
HESS, J. E. Dimensional stability of molded molecular sieve support desiccant, 25:26090 (BDX-613-380)
HESS, J. W. Alternate reactor concept design study for fast flux test facility, 21:21756 (APDA-186)
Alternate reactor concept design study for FFTF: fixed-shield-plug vertical-core reactor concept, 23:31192 (APDA-187)
HESS, John Moessbauer transitions using Coriolis mixed wave functions, 24:26658
HESS, M. W. Role of the thymus in the establishment of immunological competence, 22:47445 (BNL-12327)
HESS, Max W. Bibliography on radiation and infection, 5/65, 22:4565 (TID-23990)
HESS, Oswald Genetic function of the Y chromosome of Drosophila hydei, 24:41855
HESS, P. Traumatic skin carcinomas, 23:41471
HESS, P. E. Progress in low-radioactivity photomultiplier tubes, 21:26263 (ANL-7220, pp 39-41)
Regularization unfolding of low γ-ray activity measurements. II, 25:21382 (ANL-7760(Pt.2), pp 154-75)
HESS, Paul Construction of radioactive phantoms, 24:27579 (ANL-7615, pp 76-81)
HESS, Peter Theory of vibrational—rotational energy transfer processes, 25:51450
HESS, R. Decay scheme of 17.7 min ^{88}Rb, 24:5411
First-forbidden beta transitions of ^{38}Cl, ^{42}K, and ^{88}Rb by the method of β—γ angular correlations, 22:15973
Gamma—γ directional correlations in the semi-magic ^{88}Sr and ^{116}Sn isotopes, 21:15541
HESS, R. V. Diagnostics and interpretation of acceleration mechanisms in an MPD arc, 23:16779 (N-68-33838)
Measurement of velocities and acceleration mechanism for coaxial Hall accelerators, 21:16920
Onset and suppression of plasma instability in crossed-field geometry, 23:1495 (N-68-29902)
HESS, Richard I. Decay properties of the A_2(1310) meson, 21:9712
Low-mass K anti K systems produced in π^-p interactions below 5 BeV/c, 21:2379
Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. I, 22:5509
Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. II, 22:5510
HESS, Richard Irwin Production of K anti K pairs in π^-p interactions, 21:42274
HESS, Robert V. Onset of rotating disturbance in the interelectrode region and exhaust jet of an MPD arc, 24:32832
Study of coaxial Hall current accelerators at moderate pressures, 21:13567 (N-66-37298)
HESS, Roger A. Frequency, intensity, and direction of electric fields in a beam—plasma interaction, 24:40050
HESS, S. Investigation of a new long-period variable, 23:51199
Kinetic theory for a dilute gas of particles with spin, 21:15244
Nonspherical scattering amplitude for inelastic molecular collisions, 24:32655
Senftleben—Beenakker effect on heat conductivity of SF_6,UF_6, 23:3266
Thermomagnetic gas torque for collinear static and alternating magnetic fields, 25:11754
HESS, Siegfried Influence of a magnetic field on Brownian motion, 23:16916
HESS, Tom Neutron—proton interaction in odd—odd deformed nuclei, 25:28514
HESS, W. N. Artificial aurora experiment: experiment and principal results, 25:55961
Low-energy charged particle environment of the Earth, 21:18536
Low-energy charged particle environment of the earth, 21:46217 (N-67-18353)
Neutron flux in space after Nov. 15, 1960, polar cap neutron event, 21:36976
OSO-1 solar neutron experiment, 22:875
HESS, W. R. Optical method for studying the ion velocity in an accelerated plasma beam, 25:58978 (CEA-CONF-1829)
Studying charge-transfer processes of protons by Doppler-shifted Balmer lines, 24:23783
Velocity distribution of protons in a hot plasma beam, 25:30493
HESS, Wilmont N. Generation of an artificial aurora, 23:34317
HESS, Wilmot N. Introduction to space science, 22:19898
Introduction to space science. Second Edition, 23:22707
Radiation belt and magnetosphere, 22:26319
Source of outer zone protons, 21:9443
HESSBERG, H. Measurement of pressure broadening of lines of second Lyman series of helium ion, 21:27135
HESSE, E. Comparison of some measured and calculated reaction rates in HIFAR, 22:14242 (AAEC/TM-408)
HESSE, E. W. Burnup calculation technique for continuously fueled reactors, 21:7957
EQUICORE: code to assess nuclear and thermal performance of SGHW, 24:5517 (TRG-Report-1808)
Equilibrium model for calculation of burnup in a recirculating pebble bed reactor, 21:13937 (AAEC/E-160)
Monte Carlo calculations (one-group) of ^{238}U/^{235}U fission ratios in rod-cluster fuel elements, 23:9166
Space dependent treatment of pebble bed reactor fuel management, 21:35536 (AAEC/E-173)
Thorium fuel cycle for a BeO Pebble-bed reactor, 21:1195
HESSE, H. K. Long-term variations of pulsar intensities, 24:19639
HESSE, J. Estimation of the most important parameters of the space charge layer for ion extraction, 24:32835
Experimental investigation of the influence of the wall space-charge sheath on extraction of positive ions, 23:16798
Influence of neutron irradiation on thermoelectric properties of doped Ge—Si alloys, 23:2735
Thermoelectric radionuclide batteries, 23:40951
HESSE, J. L. Investigation of the impact properties of irradiated beryllium, 23:20527
HESSE, K. Decay of /sup 139m/Nd, 23:5937
Decay of /sup 91m/Mo and of /sup 91g/Mo, 24:38264
Level scheme of ^{141}Pr, 22:5850
Muonic isomer shift measurements in Sm, W, and Os isotopes and their interpretation in terms of changes in nuclear charge distribution, 22:50621
Superconducting particle detectors, 25:42097
HESSE, K. H. Long-term intensity observations on pulsars, 25:35713
Modulation effects in the pulsars PSR 1451-68, 1749-28, and 2045-16, 24:44881
Secondary periodicities in pulsars, 24:21471
HESSE, Klaus Some γ-spectroscopic studies of nuclei in region of magic neutron number $N = 82$, 23:49432
HESSE, L. Miniature sheathed thermocouples in reactor engineering, 23:38381
HESSE, M. Enhancement of superconductivity by semi-metallic (or semiconducting) inclusions, 23:1325
Improvement to quantum yield of photocathodes of 56 TVP photomultipliers in red part of spectrum (7000 A), 25:18828 (EUR-CEA-FC-576)
Scintigraphic findings after cerebral stroke, 24:50988
Scintigraphic findings in cerebral strokes, 24:50989
HESSE, Michel Construction of the photomultiplier, 22:6673 (DEG/SINR-68)
HESSE, P. W. Cosmic-ray sources between 0° and +60°, 21:29031
Production of low-energy muons at sea-level, 24:15458 (CERN-69-28, pp 125-40)
HESSE, Philip Wolfe Isotropy in moderate-energy muons, 23:44214
HESSE, W. P. Improved liquid hydrogen differential Cherenkov counter, 23:21967
Photonucleon total cross sections at very high energy, 24:45410
Refractive index of liquid deuterium, 23:47840
Total hadronic (γ,p) and (γ,d) cross sections from 4 to 18 GeV, 24:45409
Total photoabsorption cross sections up to 18 GeV, 24:3503
Total photoabsorption cross sections on H and complex nuclei at energies up to 18 GeV, 24:52021
HESSE, William P. Charged-pion lifetime and a limit on a fundamental length, 24:3547
Comparison of π^+ and π^- lifetimes to check CPT invariance, 22:44466 (UCSB-34-P-135-6)
Liquid hydrogen and deuterium differential Cherenkov counters, 22:47374 (UCSB-34-P-135-7)
Precise comparison of π^+ and π^- lifetimes, 22:39247
HESSEIN, M. I. De Sitter symmetric field theory. II, 24:40447
HESSEL, A. Resonant-cavity technique for the measurement of leaky-wave complex propagation coefficients, 21:10701
HESSELBACHER, K. H. Measurements of double differential cross sections in electron impact ionization of helium and argon, 25:40389
HESSELBO, T. Spark chamber technique for radiochromatograms, 24:41226
HESSELBO, Torben Improvements in spark chambers, 24:36587
HESSELBROCK, H. W. Rolling of U containing small quantities of Fe, Si, and Al, 24:2890 (NLCO-1043)
Rolling studies of uranium rods and tubes, 21:22848 (NLCO-990)
Rotary piercing of uranium, 22:2588 (NLCO-991)
HESSELGREN, R. D. Thorotrast quantities and whole-body counts, 25:49096
HESSELGREN, Rudolph D. Diagnostic radiation utilization in selected short-term general hospitals, 25:24228 (BRH/DBE-70-8)
HESSENAUER, H. Attachment coefficients and drift velocities for electrons in air, 21:35018
HESSENBERGER, R. Design and applications of metering pumps in nuclear engineering, 24:2359
HESSER, J. E. Attempt to optically identify PSR 0833-45, 23:41812
Ion temperature in a plasma produced by contact ionization, 21:29207
HESSER, James E. Experimental oscillator strengths for O I lines lambdalambda1302 to 1306 and 1152 A, 22:36628
H_2 Lyman-band oscillator strengths, 23:12535
High-frequency stellar oscillations. II, 24:8260
High-frequency stellar oscillations. VI, 25:13808
High-frequency stellar oscillations. V, 25:19309
Intermediate-age galactic cluster NGC 2660, 25:22272
Oscillator strength of molecular H (4,0) Lyman band, 22:41336
Probabilities for radiation and predissociation. II, 24:15111
Radiative lifetimes of ultraviolet transitions of Ar II, 23:30304
Transition probabilities, 24:19566
Ultrashort-period stellar oscillations. I, 21:33048
Ultrashort-period stellar oscillations. II, 22:49897
Ultrashort-period stellar oscillations. III, 23:20575
Variation of metal abundance in stars in population I clusters, 25:32915
HESSER, R. J. Thermally induced He II vaporization threshold for superconducting and normal lead, 22:2970
HESSINGER, J. Unique mechanical fabrication techniques on the BNL cyclotron, 23:28046
HESSINGER, P. S. Beryllia ceramics, 22:23891
HESSLER, Jan Paul Low temperature cooperative behavior of rare earth salts $GdCl_3$ and $PrCl_3$, 25:51282 (COO-1533-14)
HESSLER, V. P. 2- to 0.1-Hz polar-cap micropulsation activity, 24:17858
Cooperative micropulsation research at high latitudes, 25:9326
Longitudinal spread of Pc1 micropulsations in magnetosphere, 22:22032
Micropulsation studies at magnetoconjugate points, 23:5293
Micropulsation studies in the polar caps, 24:21694
Polarization characteristics of Pc 1 micropulsations at College, 21:39867
Variations in Pc 1 frequency with latitude, 22:11332
HESSLEY, Rita Oxidative decarboxylation of polyaminocarboxylic acids. II, 25:54422
HESSON, G. M. Combined failure of a pressure tube and defected fuel rod in PRTR, 21:7978
Thermal hydraulics development, 24:13594 (BNWL-CC-1149)
HESSON, Galen M. Fuel subassembly for a liquid-metal-cooled, fast breeder reactor, 25:34377
HESSON, J. C. Calculation of the extent of metal-water reaction and core heating during a loss-of-coolant accident (CHEMLOC Program), 22:5979
Corrosion of refractory metals by liquid Bi, Sn, and Pb at 1000°C, 21:36791
Energy conversion, 21:4480 (ANL-7125, pp 200-36)
Galvanic cells with fused-salt electrolytes, 22:24087 (ANL-7316)
Heat transfer from small hot spheres moving through water, 22:32873
Post-accident heat removal and fuel containment in reactor vessel, 25:41489
Retaining fast reactor fuel debris in the secondary containment, 25:41488
HESSON, James C. CHEMLOC-II: Program describing core heating and cladding—steam reaction for reactor following loss of coolant, 23:4269 (ANL-7361)
Fuel-failure behavior during transient meltdown in a sodium-filled piston autoclave, 24:7155
Heat removal and containment following meltdown of an LMFBR core, 24:7154
Laboratory simulations of cladding-steam reactions following loss-of-coolant accidents in water-cooled power reactors, 24:36043 (ANL-7609)
HESTENES, David Local observables in quantum theory, 25:45622
Prog. rpt. on heuristics of electrodynamic quantum theory, 7—10/69, 24:37859 (AD-694545)
Real spinor fields, 21:33763
Spin and isospin, 21:33685
Spinor fields as distortions of space—time, 21:40130
HESTER, Lawrence L. Jr. Radioactive colloidal chromic phosphate in the treatment of ovarian malignancies, 23:31870
HESTER, R. E. Astron linear accelerator, 23:19086 (UCRL-71405)
Theoretical and experimental results on trapping and behavior of E-layer in Astron, 22:41541 (UCRL-70933)
Trapping and behavior of the E-layer in the Astron, 23:32492
Trapping experiments in the Astron, 25:38491 (CONF-710607-10)
HESTER, Ronald E. Raman spectrometry, 22:25360
Raman spectrometry, 24:26957
HESTER, S. D. Langmuir probe response at ionosphere satellite conditions, 24:26094
Study of wakes of ionospheric satellites, 24:35322
HESTER, W. J. Orthotopic autotransplantation and allotransplantation of the liver, 22:19272
HESTERMAN, V. W. Differential cross section for excitation of the 2^3S and higher states of He by 600-ev He^+ ions, 21:625
HESTERMAN, Victor W. Ion—ion neutralization rate measurements by superimposed beam technique, 22:29266
HETENYI, G. Simple procedure for counting doubly labelled quenched samples by liquid scintillation spectrometry, 21:24198
HETENYI, G. Jr. H-2-glucose as tracer in turnover studies, 25:26602
HETENYI, M. Conference on applied mechanics, Stanford, Calif., 8/68, 25:21239
HETHERINGTON, C. H. Canadian industrial irradiator program, 22:8261
HETHERINGTON, D. W. Decay of 17.7 min /sup 120g/Sb and 5.8 day /sup 120m/Sb, 24:40631
HETHERINGTON, J. H. K^--d breakup scattering, 21:29569
Low-energy Λ—p scattering and the hypertriton binding energy with sums of separable potentials, 21:29567
Numerical analysis of an integral equation with a delta function in the kernel, 24:35718
Prog. rpt. on scattering problems including the scattering of particles by nuclei, 22:27088 (COO-1051-21)
HETHERINGTON, N. W. Evaluation of longterm effects of exposure to internally deposited radionuclides, 25:37710 (A/CONF.49/P-81)
HETLAND, D. L. Mineralogy of Lemhi Pass thorium and rare-earth deposits, 25:46569 (CONF-680989-, pp 39-51.C)
HETMAN, J. S. Determination of U in rocks, 24:22580
Polarographic determination of iodide in water, 23:45194
HETRICK, D. L. Dynamics of a fast reactor with in-core thermionic converters. Third annual report, September 1, 1968—August 31, 1969, 24:50088 (TID-25528)
Integration of the multimode kinetics equations by the method of undetermined parameters, 24:7286
Prog. rpt. on dynamics of a fast reactor with in-core thermionic converters, annual, 9/67—8/68, 23:45114 (TID-25121)
Reactor dynamics and control, 24:16300 (BNL-50117, pp 106-39)

Reactor dynamics: foundation nuclear safety, 23:43191 (CONF-670846-, pp 95-135)
Stability studies of in-core thermionic reactor concepts, 23:40415
Thermionic reactor stability, 24:7255
Weighted-residual methods in space-dependent reactor dynamics, 24:24914
HETRICK, David Equations of reactor dynamics, 23:47302 (CNM-R-2(Vol.2), pp 994-1014)
Stability of the two-temperature reactor model with delayed neutrons, 21:8076
HETRICK, David L. Asymptotic expansions in approximate calculations of reactor power excursions, 22:5998
Autonomous nonlinear oscillations in nuclear reactors, 24:7328
Dynamics of nuclear reactors, 25:39342
Effect of delayed neutrons in reactor excursions, 24:22486
Effect of delayed neutrons on autonomous oscillations in nonlinear reactor systems, 23:37738
Effect of delayed neutrons on autonomous nonlinear power oscillations, 24:50228
Example of two-region reactor stability with delayed neutrons, 21:31948 (TID-23844)
Illustration of the destabilizing effect of delayed neutrons in the linear two-temperature reactor model, 21:38565
Nonlinear oscillations and stability of a nuclear reactor with two reactivity feedbacks, 24:50227
Secondary reasons for incorporating nuclear safety in nuclear engineering curricula, 22:12061
Stability of a fast reactor with in-core thermionic converters, 22:33078
HETSRONI, G. Applying prediction analysis to the measurement of half-life, 22:18338
Cross flow and mixing of water between semiopen channels, 23:525
Heat conduction in reactor fuel elements, 23:45467
Use of hydraulic models in nuclear reactor design, 21:23662
HETT, J. M. Bibliography of mathematical modeling in ecology, 25:2025 (ORNL-IBP-70-3)
HETTEL, H. J. Molecular hydrogen inelastic electron impact cross sections, 23:18384
HETTEL, Henry J. Correlation of transient spectra with performance in coaxial plasma guns, 22:36913 (N-68-17070)
Enhancement of ion cyclotron waves in hydrogen—helium mixtures, 22:50148 (N-68-18485)
Transient spectral study of discharges in coaxial plasma guns, 22:1157 (LA-3770, Paper E6)
Transient spectral study of discharges in coaxial plasma guns, 23:1378 (N-68-25949)
HETTIG, Robert A. Iron kinetics using a linear scanner. I, 23:20125
HETTINGER, G. Calibration of thimble chambers in a 34 MV roentgen beam, 22:380
Effects on ferrous sulfate dosimeter solution stored in small polystyrene cells, 21:14483
Influence of collimating systems on dose distribution from 10 to 35 MeV electron radiation, 22:28474
Measurement of doses from high-energy electron beams at small phantom depths, 21:45726
Photographic film for determination of isodose curves from betatron electron radiation, 21:28449
HETTINGER, Gunnar Balancing chamber for stabilizing the homogeneity of electron field between 10 and 35 MeV, 22:51698
Determination of Fricke G-value for 30-MeV electrons with use of calorimetric technique, 22:51257
Dose measurements at the nordic betatrons and linear accelerators, 24:45645 (CONF-691101-, pp 672-83)
HETTINGER, H. First experiments with the zero power facility ECO, 22:18563
Reactivity calibration by a digital analysis of flux transients, 22:35681
Reactivity calibrations by analog and digital methods, 23:9135
HETTMER, James H. Orbit dynamics of Indiana University Cyclotron, 25:50351
HETTNER, G. Bremsstrahlung of slightly ionized plasmas, 22:34673
Geometrical arrangement of radiogold preparations in tumor implants, 25:13526
HETZEL, Helmut F. Analytical utilizability of nitrite triple salts, 25:37288
HETZER, C. N. Photosynthesis of carbon compounds, 21:3395 (UCRL-16806, pp 25-30)
HETZHEIM, H. Charged Boltzmann gas of high density in region of absolute zero, 23:21021
Contribution of the second virial coefficient to the free energy of a high-temperature plasma, 22:1240
Theories of quantum plasma by use of the method of collective variables, 21:37634
HETZHEIM, Hartwig Theory of quantum plasma, 23:51665
HETZLER, F. J. Thermal conductivity of U and U—Pu oxides, 22:19625 (GEAP-4879)
HEUBERGER, A. Energy resolution of multiplying semiconductor detectors for soft γ spectroscopy at room temperature, 25:34918 (LB/G-3034)
Gamma energy resolution of multiplying detectors, 25:57748
Magnetic field of the nucleus ^{193}Ir in compounds of Ir with rare earths, 21:44162
Semiconductor detector for low-energy gamma spectroscopy at room temperature, 24:39323
HEUBNER, U. Thermal and electric conductivity of vanadium alloys, 23:36119
HEUBNER, Ulrich Preparation of vanadium and vanadium alloys for microscopy, 24:10019
HEUCHERT, M. D. Loss of transplantability and induction of immunoprotection by mouse ascites tumor cells in tissue culture, 24:31872
HEUCK, F. Densitometric and scintigraphic investigations of brain tissue during reduced blood flow, 25:2577
Effects of aberrant vessels on the renal scintigram, 24:785
Scintigraphic diagnosis and laboratory findings in diffuse hepatic diseases, 25:24241
Selenium-75 scintigraphic evaluation of pancreatic function, 24:790
HEUCK, Friedrich Quantitative measurements of bone mineral content by densitometric methods, 25:4622 (CONF-680211-, pp 216-49)
Radiologic training as factor of radiation exposure, 24:34360
HEUEL, M. Photoproduction of positive pions on H, 24:15447
Photoproduction of positive pions on hydrogen at photon energies between 220 and 425 MeV, 24:49302
HEUER, Charles Frederick Diffusion of iron and cobalt in nickel single crystals, 25:15611
HEUER, Dieter Decay of ^{97}Ru, 21:21528
HEUER, P. M. Influence of oxide stress on breakaway oxidation of Zircaloy-2, 24:51164
HEUGEL, W. F. Shelter evaluation program, 21:39155 (IITRI-M-6088)
HEUGHEBAERT, J. Interactions π^+p at 850 MeV/c, 22:24551
HEUGI, Theodor Distribution of radioactivity and optical phenomena in coal from Dorenaz (Canton of Valais, Switzerland), 22:10388
HEULIN, Bernard Internal friction peaks due to O in Nb—4.6 Ti alloys, 25:35410
HEUMANN, F. K. New masking technique for semiconductor processing, 21:32961
HEUMANN, Th. Alloy formation between low- and high-melting metals, 23:22484 (ORNL-tr-3009)
Formation of alloys between low and high melting metals by the reduction of volatile metal halides and clarification of the composition of the alloys obtained by this process, 23:3029 (EUR-4041)
Multiphase diffusion, 25:49439
Self-diffusion and isotope effect in γ-iron, 23:9377
HEUMANN, Theo Carbonyl process and evaporation process for determination of phase equilibria in temperature range of low mobility, 22:15209 (MLM-1381(tr))
HEUMANN, Theodor Structure of Mo—Zn alloys, 23:30000
HEUNEMANN, D. Isomer shifts of 87- and 89-keV γ rays of ^{155}Gd and ^{156}Gd, 22:46775
Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:3716
Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:46784
HEUNISCH, George W. Field method for the estimation of uranium in natural waters, 24:29191
Separation of U from phosphoric acid, 23:19836
HEUPEL, H. W. Effect of preoperative roentgen therapy upon the tensile strength of rectosigmoid anastomoses in dogs, 21:20275
HEURING, F. T. Characteristics of transverse magnetic disturbances observed at 1100 kilometers in the auroral oval, 24:47135
Dayside magnetic disturbances at 1100 kilometers in the auroral oval, 21:13449
Evaluation of geomagnetic harmonic series for 1100 kilometers altitude, 22:38882 (N-68-11860)
Evaluation of geomagnetic harmonic series for 1100-kilometer altitude, 22:22037
Scalar magnetic intensity at 1100 kilometers in middle and low latitudes, 22:22038
Scalar magnetic intensity at 1100 km in middle and low latitudes, 22:38879 (N-68-11591)
Transverse magnetic disturbances in auroral region, 21:2126
HEURLIN, S. Nanosecond risetime megavolt voltage divider, 25:33935
HEURTAUX, Jacques Appearance of a radical species with 13 equivalent protons among the radiolysis products of a durene monocrystal, 23:9433
Comparative study of electron paramagnetic resonance after radiolysis and photolysis of a durene monocrystal, 23:26308
HEURTEBISE, M. Semi-automated determination of iodine in biological fluids by activation analysis, 25:54516
Utilization of the matrix as a standard in trace analysis by neutron activation analysis. Analysis of cadmium doped sodium chloride crystals, 25:44349
HEURTEBISE, Michel Application of an iodide-specific resin to the determination of iodine in biological fluids by activation analysis, 25:54509
HEUSCH, B. Angular-correlation studies of the reactions ^{16}O(^{3}He,pγ)^{18}F and ^{16}O(^{3}He,$\alpha\gamma$)^{15}O, 21:23431
Lifetimes in ^{12}B, ^{14}N, and ^{16}O, 25:3569
Lifetimes of state of ^{30}Si and state of ^{30}P, 25:17777
Mean lives in ^{11}C and ^{10}B, 24:30699
Measurement of mean lifetimes by Doppler effect, 23:49337
Multipole mixture delta (E3/M2) of the transition 5.83 $\rightarrow$ 0 in ^{14}N, 24:43131
Reaction ^{12}C(h,p)^{14}N mechanism, 24:15801
Recoil-distance measurements of lifetimes, 25:17750
Study of ^{61}Cu nucleus by ^{58}Ni(α,pγ)^{61}Cu reaction, 25:43839
Study of unbound levels in ^{14}N by the reaction ^{12}C(^{3}He,pγ)^{14}N, 22:9790
HEUSCH, C. A. Bremsstrahlung tagging of high-energy electrons, 24:52282 (TID-25473(Vol.1), pp 163-5)
Deep inelastic Compton scattering at NAL, 24:51888 (TID-25473(Vol.4), pp 171-82)
Differential cross sections in eta photoproduction from 0.8 to 1.45 GeV, 22:52914
Front end of neutral beam facility, 24:52289 (TID-25473(Vol.1), pp 213-16)
Hodoscope/spectrometer for high-energy photons, 24:48316 (CALT-68-255)
Neutral beams of variable composition, 24:52288 (TID-25473(Vol.1), pp 203-11)
Note on total absorption detectors in the 100-GeV energy range, 24:50620 (TID-25473(Vol.3), pp 51-6)
Quark-model classification of low-mass, I = $^{1}/_{2}$ nucleon isobars, 24:40395
Recoil proton polarization in eta photoproduction, 25:3255
Recoil-proton polarization in π^0 photoproduction, 22:20112
Search for heavy leptons, 24:51911 (TID-25473(Vol.4), pp 111-21)
SU(3) assignment and coupling of N*(1688), 21:2509
Topics of recent interest in π and eta photoproduction, 21:29481
HEUSCH, Clemens A. Maximum intensity electron and photon beams from photon accelerators, 24:52283 (TID-25473(Vol.1), pp 167-71)
Photoproduction experiments, 24:18070
Status and perspectives of photoproduction experiments, 23:10777 (CALT-68-171)
Time reversal invariance in the electromagnetic interaction, 24:42998 (CALT-68-264)
HEUSCHELE, R. Pituitary irradiation for Cushing's syndrome, 21:39469
HEUSCHKEL, J. Metals joining, 21:18229 (NASA-SP-5064)
HEUSENER, G. Core-optimization of sodium cooled fast breeder reactors with methods of nonlinear programming, 25:15351
Fuel costs and fuel requirements for a 1000 MWe Na-cooled fast breeder, 21:30185
Optimization of sodium-cooled fast breeders by nonlinear programming methods, 25:28655 (EURFNR-830)
Optimizing sodium-cooled fast-breeder reactors by the methods of nonlinear programing, 25:8051 (KFK-1238)
Safety features of 300 MWe Na cooled fast breeder reactor (Na2), 21:46848 (EURFNR-368)
Safety features of 300-MWe Na-cooled fast breeder reactor, 22:53360
Static method for subcriticality determination in fast breeders, 24:46015 (EURFNR-757)
Statistical method for determination of subcriticality of fast reactors, 24:31132 (KFK-1148)
Variation of several important parameters for sodium-cooled 1000-MW fast breeder, 22:10005 (KFK-568)
Variations in certain major reactor parameters of sodium-cooled 1000 MWe fast breeder, for investigation into fuel costs and needs, 22:16166 (EURFNR-384)
HEUSER, J. Autoradiography of labeled amino acids in giant squid synpase, 25:4418
HEUSGHEM, C. Biological action of benzo(a)pyrene. II, 24:27550
Contribution of anthropogammameter to the problems of toxicology and hygiene, 23:50486
Liege anthropogammameter and its clinical use, 25:57764
New type of whole-body counter, 24:11774
Radioprotectors and plasma enzymes, 25:4594
Variations in enzymes in rats after injection of cysteamine, 21:41448
HEUSHEM, C. Increase of certain enzymes in the plasma of the rat after injection of a radioprotective dose of cysteamine, 21:34712
HEUSINGER, H. Construction of a ^{60}Co irradiation facility, 24:41596
Energy transfer and radiolytic product formation in polystyrene—pyrene, 23:35146
ESR studies on radical pairs in irradiated polystyrene, 25:23628
Fluorescence spectra of polystyrene excited by beta rays and uv light, 25:138
Formation of radiation-induced cross-links in polystyrene, 24:13922
Inter- and intramolecular energy transfer in gamma radiolysis of n-alkylbenzenes, 22:25393
Intramolecular energy transfer in γ-irradiated poly(methyl methacrylate)—styrene copolymers, 23:37980
Investigation of γ-radiolysis of polystyrene, 23:2305 (BMwF-FBK-68-31)
Investigation of inter- and intramolecular energy transfer in alkane—benzene mixtures and alkylbenzenes, 23:26263 (BMwF-FBK-69-2)
Investigations on the mechanisms of ethylbenzene radiolysis, 24:38907
Post effects in the radiolysis of polystyrene, 25:21048
Primary processes in radiation chemistry, 22:35873
HEUSINGER, Helmut Radiation induced free radicals of cholesterol in liquid phase, 24:16612
HEUSINKVELD, M. One-dimensional calculations on finite-length MHD induction generator, 22:31674 (UCRL-70795)
Shock velocity measurements near underground explosions by cable crushing, 21:24127 (UCID-4867)
Stress history measurements: Hardhat Event, 22:19000 (UCID-15283)
HEUSINKVELD, Myron One-dimensional calculations on finite-length MHD induction converter, 23:18474 (UCRL-50537)
Transmission of 14-MeV neutrons in liquid N, 21:35393 (UCRL-50259)
HEUSLER, A. Generalized neutron particle-hole states in ^{140}Ce, 23:25924
Generalized neutron particle-hole states in ^{142}Nd, 24:40632
Gross structure in excitation functions for ^{207}Pb(p,p')^{207}Pb, 23:47015
"Neutron"-neutronhole-states in ^{140}Ce, 22:3754 (INP-555/PL/PH, pp 163-5)
Optical-model parameters and analysis of (d,p) stripping experiments on ^{138}Ba, ^{140}Ce, and ^{142} ^{144} ^{146}Nd, 22:1697
Spectator particles and resonances, 25:28365
Spins of generalized neutron particle-hole states in ^{140}Ce, 24:35869
Structure of generalized neutron particle-hole states in ^{140}Ce, 23:52167
HEUSLER, K. E. Reactions of anodically produced niobium oxide layers, 24:39704

Semiconductor properties of anodically produced oxide layers on niobium, 23:42503
HEUSLER, Konrad E. Kinetics of corrosion of Nb in aqueous solutions, 25:11354
HEUSS, K. Dose-output dependence of acute radiation death in the mouse, 21:22695
Life-shortening of mice after long term irradiation, 23:29811
Mathematical treatment of the survival curves of mice after single short-duration whole-body irradiation, 21:18143
Recovery processes in prolonged irradiation of animals, 22:31249
HEUSS, Kurt Application of fast electron therapy, 23:43835
Calorimeter for the determination of absorbed dose in aqueous media, 24:41699
Contribution to irradiation planning in electron therapy of bronchial carcinoma, 25:26757
Radiation treatment planning for a 42 MeV betatron, 25:26865
HEUSSE, Ph. Study of disintegrations K/sub L/^{0} $\rightarrow$ $\pi^0\pi^0\pi^0$ and $K^+ \rightarrow \pi^+\pi^0\pi^0$, 24:37612 (LAL-1232)
HEUZEL, M. Bed material transport study by tracers, 21:25972 (EUR-3130.f(Vol.4))
Sediment-transportation measurements by use of radioactive tracers, 21:17752 (EUR-3130.f(Vol.3))
HEUZEL, N. Experimental investigation of reactions between uranium dioxide and water under nonisothermal, quasi-isobaric conditions, 22:52255 (AEC-tr-6960)
HEVESI, I. Contact potential difference measurements on (010) surfaces of V pentoxide, 25:17313
Optical reflection of V_2O_5 single crystals, 25:33461
HEVEY, R. C. Studies in sulfate esters. V. The mechansim of hydrolysis of phenyl phosphosulfate, a model system for 3'-phosphoadenosine 5'-phosphosulfate, 24:41302
HEVEY, R. H. Measurements of pulsar arrival times, 25:7002
HEVEZI, J. M. Fast neutron radiobiology and radiotherapy, 25:2582 (CONF-700322-, pp 393-406)
Gas target source for fast neutron cancer therapy, 25:50599 (CONF-710402-(Vol.2), pp I.56-60)
Gas target source for neutron radiation therapy, 25:26883
HEVEZI, James M. Ca SO_4 as TL neutron dosimeter, 23:43604 (COO-1105-150)
HEWAT, A. W. Lattice dynamics of ZnO and BeO, 24:18037
HEWES, C. Robert Sensitivity of marginal oscillator spectrometers, 25:33469
HEWES, Ralph A. Recombination lifetimes in gamma-irradiated silicon, 22:46204
Recombination lifetimes in gamma-irradiated p-type float zone silicon, 23:1513 (N-68-27439)
HEWES, Ralph Allan Recombination lifetimes in gamma-irradiated silicon, 21:3914 (N-66-29980)
Recombination lifetimes in gamma-irradiated silicon, 21:33546
HEWETT, A. J. W. Scintillation counter for continuous monitoring of radioactivity in solutions, 23:26538
HEWETT, C. J. Accumulation of ^{134}Cs by the plaice and the thornback ray, 25:49087
HEWETT, D. F. Ages of three U minerals, Mojave Desert, Calif, 23:31427
HEWETT, Lionel Donnell Einstein's gravitational field equation for spherically symmetrical static perfect fluid, 22:46528
HEWETTE, D. M. Fuel migration in pyrocarbon-coated particles, 24:8183 (ORNL-TM-2717)
HEWETTE II, D. M. Bonded beds of coated particles for HTGR fuel elements, 24:32489
Development of bonded coated-particle beds, 24:50109 (CONF-700401-, pp 456-73)
Fuel migration into coatings of pyrolytic-carbon-coated UO_2 and UC_2 particles, 21:36946
High temperature fast-neutron irradiation of pyrolytic-carbon-coated ThO_2 microspheres, 23:36275
High-temperature fast-neutron irradiation of pyrolytic-carbon-coated ThO_2 microspheres, 23:18283 (ORNL-TM-2475)
Irradiation performance of $(U,Th)O_2$ coated fuels for HTGR's, 24:30052 (CONF-700502-, pp 567-84)
Performance of pyrolytic-carbon-coated sol—gel UO_2 microspheres in high-burnup irradiation tests, 21:36945
Preirradiation evaluation of pyrolytic-C-coated fuel, 21:18266 (ORNL-TM-1713)
Pyrolytic-carbon-coated sol—gel UO_2 particles for ETR X-basket-2 irradiation experiment, 22:26082 (ORNL-TM-2097)
HEWETTE III, D. M. Comparison of observed and predicted irradiation performance of pyrolytic-carbon-coated uranium dioxide particles, 23:8342 (ORNL-TM-2336)
HEWISH, A. Angular size and flux density of the small source in the Crab Nebula at 81.5 Mc/s, 21:18389
Comments on paper by Cohen et al, 22:11117
Fine structure in radio sources at metre wavelengths. I, 25:859
Interplanetary scintillation and its relation to the angular structure of radio sources, 21:9284
Irregularities of plasma density in the solar neighborhood, 22:17300
Measurements of the solar wind and the small-scale structure of the interplanetary medium, 21:23116
Observation of a rapidly pulsating radio source, 22:17273
Observations of some further pulsed radio sources, 22:23965
Occurrence of large ionospheric irregularities, 22:19860
Pulsars, 24:19636
Pulsars, 24:39769
Pulsars, 24:44893
Pulsed radio sources, 23:1099
Radio investigation of the solar plasma, 23:27299
Radio source structure derived from interplanetary scintillation, 22:23943
Solar wind outside the plane of the ecliptic, 21:11372
Spectrum and angular structure of 3C 273, 24:19617
Spectrum of plasma-density irregularities in the solar wind, 25:13866
HEWISH, Antony Pulsars, 23:27260
HEWITT, A. G. Field trimming coils for Harwell Variable Energy Cyclotron: practical problems involved, 22:11804
HEWITT, G. F. Approximate equations for the diffusion and flow of gases in porous media, 22:10115 (AERE-R-5492)
Burn-out and film flow in the evaporation of water in tubes, 21:41139
Burnout heat flux measurements in a long tube, 23:50015 (AERE-M-2216)
Correlation of critical heat flux for the vertical flow of water in uniformly heated channels, 25:6462 (AERE-R-5590)
Determination of rate of deposition of droplets in heated tube with steam—water flow, 23:50017 (AERE-R-6118)
Diffusion of O in N in the pores of graphite, 24:39717
Film thickness measurement in annular two-phase flow using a fluorescence spectrometer technique. II, 23:45456 (AERE-R-4506)
Flow of gases in porous solids, 21:43668
Flow visualization studies of boiling at high pressure, 21:41143
Frequency and velocity measurements of disturbance waves in annular two-phase flow, 23:43429 (AERE-R-4304)
Heat transfer to steam—water mixtures flowing in uniformly heated tubes, 23:13944
Holdup, heat transfer, and nucleation for steam—water flow in a 0.5 cm bore tube, 25:10766 (AERE-R-3984)
Influence of heat flux, subcooling, wall thickness and type of heating on film flow in evaporation of water in a vertical tube, 24:2366 (AERE-R-6117)
Investigation of interfacial phenomena in annular two-phase flow by means of the axial view technique, 23:45457 (AERE-R-6070)
Liquid entrainment in adiabatic steam—water flow, 24:362 (AERE-R-5374)
Liquid phase mass transfer in annular two-phase flow: radial liquid mixing, 22:30767 (AERE-R-5693)
Measurement of liquid film flow rates at 1,000 psia in upward steam water flow in a vertical heated tube, 23:24367 (AERE-R-5809)
Permeability of nuclear grade graphite to a variety of gases, 21:3543 (AERE-R-3994)
Studies of burnout in boiling heat transfer, 22:12531
Studies of the behaviour of disturbance waves in annular flow in a long vertical tube, 23:31466 (AERE-R-6012)
Studies of two-phase flow patterns by simultaneous x-ray and flash photography, 23:29081 (AERE-M-2159)
Two-phase flow and heat transfer, 21:16066
Two-phase two-component critical flow in a venturi, 23:24366 (AERE-R-5736)
HEWITT, Geoffrey Frederick Improvements in or relating to liquid film thickness measurement, 21:10523
HEWITT, H. B. Comparative survival of clonogenic cells of a murine epithelioma after irradiation in mice breathing air, O, and carbon dioxide, or hyperbaric O, 25:46984
Effect of breathing oxygen at high pressure on oxygenation of a sarcoma in CBA mice, 22:31191
Growth of transplanted murine tumors in preirradiated sites, 23:31919
Single-plate screening test for potential radiosensitisers of hypoxic bacteria, 23:33915
Toxicity and radiosensitizing activity of triacetoneamine-N-oxyl, 25:8701
HEWITT, Harold B. Survival curves for cells of a murine carcinoma irradiated in vivo, 22:23606
HEWITT, J. S. Angular distributions of fast photoneutrons from thirteen elements, 23 less than or equal to Z less than or equal to 82, 22:44656
Anisotropy of fast photoneutrons from chromium, 23:3988
Cross section for reaction $^{16}O(\gamma,n_0)^{15}O$ at giant resonance energies, 23:34732
Ground state photoneutron angular distributions in giant resonance of ^{16}O, 24:52463
Neutron spectra and angular distribution produced by 1 GeV proton on a thick lead target, 21:4316
Photoneutron angular distribution measurements, 24:27401
Photoneutron spectra from ^{141}Pr and lead, 24:47644
Pulsed light source for stabilizing scintillation detectors, 24:9721
Pulsed source measurements on neutron thermalization in graphite by the reaction rate technique, 22:29883
Resolution function for digitally stabilized nuclear spectrometers, 24:39330
Stabilizing the efficiency of scintillation detectors, 24:9652
HEWITT, Jack G. Jr. Nonlinear interactions of electromagnetic waves with a thermally generated cesium plasma, 22:48131
HEWITT, James Maurice Separation of rare earth elements, 23:40842
HEWITT, John E. Radiation exposures during the Biosatellite II flight, 22:47535
HEWITT, L. W. Dependence of ionospheric absorption of MF radio waves at mid-latitudes on planetary magnetic activity, 22:41457
Ionization increases associated with small solar proton events of 5 Febraury 1965 and 16 July 1966, 23:10530
HEWITT, R. Effect of radiation sensitizing agents in radiation therapy, 24:27620
Radiation-induced reorientation of chromosome replication sequence, 22:6786
HEWITT, R. C. Deuteron stripping theory, 22:20725
NMR double irradiation circuit, 22:39195
HEWITT, R. G. L. Analysis of (d,p) reactions, 22:27273
Analysis of the $^{40}Ca(d,p)^{41}Ca$ reaction, 21:46705
Comment on spectroscopic factors, 22:27272
Deuteron stripping analysis, 21:34041
New approximation to the Bethe—Goldstone wave function, 24:43543
Simple and exact method for calculating nuclear reaction matrix, 25:34177
Solving the Bethe—Goldstone equation, 24:52720
Wave functions for nuclear-structure calculations, 24:13426
HEWITT, R. R. Coupling coefficients for the indirect nuclear dipole interaction in indium by nuclear quadrupole resonance, 25:30695
Deoxyribonucleic acid repair replication after ultraviolet light or x-ray exposure of bacteria, 22:8493
Indium-115 NMR in alloys In—Cd, In—Hg, and In—Tl at 4.2°K, 24:20000
Nuclear magnetic resonance in beryllium, 21:40087
Nuclear magnetic resonance in dilute alloys of indium—lead and indium—tin, 22:36983
HEWITT, Roger Dynamics of chromosome replication and degradation in a bacterial population exposed to x rays, 21:32621
Effect of radiation-sensitizing agents in radiation therapy, 24:17069
HEWKA, P. V. Biomedical applications of avalanche semiconductor detectors, 24:39301
HEWKA, Peter V. Avalanche type semiconductor radiation detectors, 24:50551 (NYO-3246-TA-7)
Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 1—6/69, 23:45512 (NYO-3246-TA-5)
Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7—12/69, 24:31680 (NYO-3246-TA-6)
Prog. rpt. on Avalanche type semiconductor radiation detectors, semiannual, 7—12/70, 25:29327 (NYO-3246-TA-8)
HEWSON, P. W. Charge exchange in nuclei following pion inelastic scattering, 23:44844
HEWSON, R. A. HNPF spent fuel shipping cask, 22:45266 (NAA-SR-Memo-10549)
PNPF retirement safety analysis reevaluation of residual nuclides, 24:38511 (AI-AEC-Memo-12708(Suppl.A))
HEWSON-BROWNE, R. C. Extrusion of plasma into confined magnetic field of line dipole, 25:58859
Mathematical model for the magnetosphere, 24:35269
Model for MHD cavity formed round line dipole—line current combination in plasma, 23:36683
Motions of cavity formed when a uniform corpuscular flux is incident on magnetic field of a line current, 23:12665
Motions of cavity when uniform corpuscular flux is incident on the magnetic field of n line currents, 23:12840
HEY, A. J. G. Nucleon polarization transfer in high-energy electron scattering, 24:12994
Polarization of recoil proton in elastic electron—proton scattering, 25:22752
Time-reversal invariance and recoil deuteron polarization in elastic electron scattering, 24:45561
HEY, A. W. Calcination of two BeO powders, 21:12396
Calcination processes in oxides, 23:34066
Some effects of powder characteristics on densification and microstructure, 23:1044
HEY, J. S. High power radar for ionospheric research, 23:5332
HEYBEY, Ann T. Oxyhydrogen flame excitation of refractory elements, 21:2945
HEYBEY, Juergen Reversibility of the Vlasov equation, 22:13454
HEYBEY, O. Evidence of metastable atomic and molecular bubble states in electron-bombarded superfluid liquid helium, 25:45388
Excited atomic and molecular states in electron-bombarded liquid He, 24:3148
HEYBEY, O. W. Optical birefringence and crystal growth of hcp ^{4}He, 21:33316
HEYBORNE, R. L. Ion depletion in the high-latitude exosphere, 23:39387
Latitudinal cutoff of vlf signals in the ionosphere, 23:25229
HEYBORNE, Robert Linford Whistler-mode signals in OGO satellites from vlf ground station transmitters, 21:46273
HEYD, R. Highly resolved x-ray structures and the electronic structure of tungsten, 24:35549
HEYDA, D. Application of multi-Regge model to reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-\pi^0$ at 13 and 20 GeV/c, 25:59300
HEYDE, K. Decay of ^{143}Sm, 22:20582
Decay of ^{147}Nd, 21:29976
Decay scheme of ^{99}Mo, 21:17371
Half-life of first excited state in ^{143}Pm, 22:24884
Internal conversion for l-forbidden M1 transitions, 24:38226
Lanthanum-140 spectrum according to unified model, 22:27094
Level schemes and properties of odd-mass Sb isotopes, 24:49914
Nature of isomeric state in doubly-even N = 82 nuclei, 25:48094
Shell-model calculations on N = 82 odd-proton nuclei. I, 24:38224
Shell-model calculations on the N = 82 odd-proton nuclei. II, 25:43989
Single-particle self-energies for N = 82 nuclei, 23:37260
Structure and electromagnetic properties of odd-A Sb isotopes, 25:34139
Unified model calculations for N = 83 nuclei, 25:36749
Unified-model calculations for ^{139}Ce, 23:19301
Unified-model calculations in intermediate coupling with 2d/sub 5/2/, 1g/sub 7/2/, and 2f/sub 7/2/ single-particle orbits, 22:1684
HEYDE, Kris Quasiparticle interactions in spherical N =82 doubly even nuclei, 25:23048
HEYDEGGER, H. R. Radioactivity induced in Apollo 11 lunar surface material, 24:28034

Solar flare proton induced radioactivity in lunar surface material returned by Apollo 11, 24:23725 (COO-1167-7)
Thin target cross sections for some Cr, Mn, Fe, Co, Ni, and Zn nuclides produced in copper by 82- to 416-MeV protons, 25:41203 (COO-1167-12)
Zinc-65, Ni, Cu, and Zn contents of Bogou iron meteorite, 23:49752
HEYDENBURG, N. P. Behaviour of angular correlation symmetry angle following inelastic scattering of ^{3}He particles from ^{12}C, 22:22556
Prog. rpt. on research in experimental and theoretical low-energy nuclear physics, final, 10/1/65—9/30/66, 22:1644 (AD-647902)
HEYDENBURG, Norman P. Prog. rpt. on research in experimental and theoretical low-energy nuclear physics, final, 10/67—9/68, 23:37284 (AD-684735)
HEYDENREICH, A. Pigment tumors of conjunctiva, 24:51007
Radiation-induced eye lesions, 25:8793
HEYDER, J. Determination of the degree of de-emanation for a ^{228}Th solution, 23:7452
Distribution of ^{228}Ra and ^{224}Ra in RES and marrow-free skeleton, 23:29337
Distribution of radionuclides in suspensions of colloidal ThO$_2$, 25:29169
Gamma spectrometric determination of activity ratio between ^{228}Th and decay products. I, 22:48564
Gamma spectrometric determination of activity ratio between ^{228}Th and decay products. II, 22:49099
Kinetics of distribution and excretion of radium isotopes after injection of thorotrast into blood, 25:24033
HEYDER, Joachim Experimental animal studies on the thorotrast problem, 23:6432 (ANL-Trans-672)
HEYDORN, K. Determination of As in biological material, 23:4546
Environmental variation of arsenic levels in human blood determined by neutron activation analysis, 24:36193
Geometrical effects on the response of the National Physical Laboratory ionization chamber type 1383 A, 21:32415
Pre-irradiation separation for determination of V in blood serum, 21:5762 (RISO-138)
Specific activity of commercial ^{125}I, 24:128
HEYDT, G. B. Gamma—gamma prime mismatch and strengthening in Ni/Fe—Ni base alloys, 24:19436
HEYE, Dietrich System for detection of Io, Th, and Pa to date deep-sea cores, 24:22800
Uranium, Th, and Ra in ocean water, 23:38128
HEYER, Herbert Duality. Local compact groups, 25:43721
HEYES, H. Investigations about thromboplastic activity: fibrinolysis and precipitation by ^{131}I fibrinogen in experimental tumors, 25:561
HEYES, P. Use of data links to IBM 360 system at DNPL, 23:29250 (DNPL/P-5)
HEYKOOP, Klaas New mixed carrier for the spectrographic determination of impurities in high purity uranium oxides, 22:22977
HEYLEN, A. E. D. Electron drift velocities in a moderate and in a strong crossed magnetic field, 24:5170
HEYLEN, H. Simultaneous distribution of nitric acid and uranyl nitrate between aqueous and undiluted tributyl phosphate phases, 24:2268 (NP-18020)
HEYLEN, P. R. Fast breeder fuel processing pyrochemical head end study, 25:34688 (EUR-4615)
Pyrochemical head end conception for fast breeder fuel processing, 25:34687 (EUR-4614)
HEYM, A. Electron density measurement by means of an improved interferometer, 23:23099
Experimental investigation of 90 MW rotating magnetic field pinch, 24:47220 (LRP-43/70)
Measurement of electron density in a pre-ionized axial discharge by means of improved spectrometer, 22:13436 (LRP-33/67)
Measurement of electronic density in a pinch with a field rotating at high frequency, 22:13437 (LRP-36/67)
HEYMAN, A. Serial brain scanning using /sup 99m/Tc, 22:16982
Serial brain scanning using /sup 99m/Tc, 22:49460
HEYMAN, M. Measurement of the polarization of neutrons during experiments, 23:47887
Multiangular device for measuring the asymmetry of neutrons, 23:47789
Practical method of neutron—gamma discrimination, 23:47751
Radio-frequency ion source applied to a polarized atom beam, 21:21350
Use of polarized neutron scattering measurements, 23:49304
HEYMANN Variations in auxiliary electric power supply schemes for electrogenerators, 25:41269 (EUR-4517, pp 201-20)
HEYMANN, D. Cosmic-ray-produced ^{3}H and ^{3}He in stony meteorites, 22:41274
Distribution of ^{222}Rn on surface of moon, 25:58680
Inert gases from Apollo 11 and Apollo 12 fines, 25:33048
Inert gases in lunar samples, 24:21536
Isotopic composition of primordial helium in carbonaceous chondrites, 24:15001
Metal particles in Kingfisher meteorite, 24:34986
Noble gases in unequilibrated ordinary chondrites, 22:11115
Prog. rpt. on cross sections of ^{3}H, ^{3}He, ^{4}He, and ^{14}C in bombardment of carbon and oxygen with high-energy protons, annual, 2/28/70, 24:28704 (TID-25379)
Radiation ages and gas-retention ages of carbonaceous chondrites and of unequilibrated ordinary chondrites, 22:4921 (COO-382-75)
Radiation ages and gas-retention ages of carbonaceous chondrites and unequilibrated ordinary chondrites, 22:6461
Radiation ages and gas-retention ages of carbonaceous chondrites, 22:38647 (N-68-11819)
HEYMANN, Dieter Elements 112 to 119: were they present in meteorites, 23:30202
Meteorites with short cosmic-ray exposure ages, as determined from their ^{26}Al content, 22:834
Noble gases in carbonaceous chondrites, 24:42308
Origin of hypersthene chondrites: ages and shock effects of black chondrites, 21:26938
Primordial rare gases in unequilibrated ordinary chondrites, 21:14995
Rare gas isotopes in Bursa and Cannakale chondrites, 21:1467 (EFINS-65-102)
Uranium content of chondrites by thermal neutron activation and delayed neutron counting, 21:40776
HEYMANN, F. F. Pi^{+-}p elastic scattering in 2 GeV region, 23:32627
HEYMANN, G. Cluster-model interpretation of resonances in α-particle elastic scattering, 24:15816
Core excitation in the reaction ^{65}Cu(t,α)^{64}Ni, 22:44673
Elastic and inelastic scattering of 15.8 MeV deuterons, 21:4227
Elastic scattering of α-particles from ^{16}O, 24:40563
Levels excited in ^{73}Ge by (d,p) and (p,p') reactions, 23:7273
Mechanical and thermal behaviour of sintered W—Ag materials, 23:27071
Reactions ^{208}Pb(d,d)^{208}Pb and ^{208}Pb(d,p)^{209}Pb, 23:15436
HEYMANN, P. Effect of the distribution function on the noise temperature of plasma, 23:42307
Microwave diagnostics of contracted rare gas columns. I, 25:30486
Microwave diagnostics of contracting rare-gas columns. II, 25:30483
HEYMANN, Peter Microwave emission and high-frequency conductivity of weakly ionized discharge plasma, 23:18615
HEYN, Arno H. A. Determination of metals by photochemical precipitation, 24:12
Photochemical precipitation of Th and Ce and their separation from other ions in aqueous solution, 25:4026
Precipitation from homogeneous solution by photochemical action, 21:15850
HEYNDRYCKX, P. Determination of Se and Sr in glass and raw materials, 24:41182
HEYNE, C. Recovery of plutonium from slag as the fluoride, 23:15924 (CEA-CONF-1096)
HEYNE, L. Electronic transport in calcia-stabilized zirconia, 25:30682
Ionic conductivity in oxides, 22:52269
HEYNE, Werner Nuclear fuels, 21:19499
Process for the preparation of uranium nitride, 21:38878 (UCRL-Trans-10120)
HEYNEN, V. Total cross section for photoproduction of hadrons on hydrogen and deuterium between 1.0 and 6.4 GeV, 24:40226 (DESY-70/17)
Total cross section for photoproduction of hadrons on H and deuterium between 1.0 and 6.4 GeV, 24:51890
Total photoproduction cross section of hadrons on nuclei, 25:25281 (DESY-71/5)
Total photoproduction cross section of hadrons on nuclei, 25:27953
HEYNER, W. Excitation function of Ca 4^{1}P° term for excitation by electrons, 23:48734
HEYNS, A. J. A. Biostatistical investigation of lung cancer incidence in South African gold/uranium miners, 25:52064 (A/CONF.49/P-659)
HEYNS, A. M. Low-temperature studies. IV, 24:22655
HEYNS, C. F. G. Half-life of ^{132}I, 21:10016
HEYS, H. Cardiac pacemaker research, 24:19171
Monitors and detectors for radiological protection, 25:8487
Thermoelectric generators using radioisotopes, 24:26038
HEYSON, Harry H. Effects of radiation on polyethylene, terephthalate capacitor-type meteoroid detector, 21:14519 (N-66-39985)
HEYSSEL, R. M. Long-term effects of radioactive iron administered during human pregnancy, 24:2821
Prog. rpt. on utilization of low level whole body counting facility in measurement of electrolyte composition and metabolism in man, annual, 1966, 21:1772 (ORO-2401-8)
HEYSSEL, Robert M. Behavior of Fe-, In-, and I-labeled transferrin in pregnant rat, 24:34042
Placental iron transfer, 24:23069 (CONF-690501-, pp 25-44)
Use of computers in measuring body electrolytes by gamma spectrometry, 22:19281
HEYSZENAU, H. p-state pairing and superconductivity of monovalent metals, 24:15239
HEYVAERTS, J. Material coefficients and transfer of polarized radio radiation in a plasma, 23:51656
Polarized radiation transfer in a collective plasma, 25:36143
Pulsars as nonradial oscillators, 23:36333
Small-amplitude transverse wave propagation in weakly Langmuir-turbulent plasma, 24:42741
Statistical mechanics of a weakly turbulent stable plasma, 24:19898
HEYVAERTS, M. J. Amplification of gyromagnetic synchrotron radiation, 22:29138
Negative absorption of cyclotron and gyromagnetic radiation in a noncollective plasma, 22:4936
HEYWOOD, G. C. H. High-current capacitor banks for a 2-MJ high beta toroidal experiment (HBTX), 25:30563 (EUR-4593, pp 219-25)
HEYWOOD, J. B. Magnetohydrodynamics, 22:50077
MHD plant, combustion techniques, and seeding. X, 22:5193
Open-cycle MHD power generation, 24:8372
Optimization studies on open-cycle MHD generators, 22:45987
Wave growth in MHD generators, 21:37235
HEYWOOD, John B. Current distribution around a normal shock in MHD duct, 23:20759
HEYWOOD, P. W. Alarm analysis and indication at Oldbury Nuclear Power Station, 21:17504
Alarm analysis and indication at Oldbury nuclear power station, 22:48679
HHAMILTON, J. H. Note on energy dependence of β—γ directional correlation in decay of ^{154}Eu, 22:5834
HIATT, A. J. Anomaly in potassium accumulation by barley roots. II. Effect of calcium concentration and ^{86}Rb labeling, 24:31826
HIATT, C. W. Kinetics of virus inactivation by photodynamic action, 22:25797
HIATT, Caspar W. Low dose ferrous sulfate dosimetry by direct photon counting, 25:29386
HIATT, M. Henry's law constant measurements for fission products absorbed in silicates, 22:31503
HIATT, Nathan Effect of pancreatic secretions on postradiation enteropathy, 22:28632
Influence of intestinal content on radiation lesions of the small intestine, 21:20254
Prolongation of postirradiation survival, 22:47557
Protection against lethal irradiation injury by pancreatic enzyme exclusion, 22:21547
Survival in lethally irradiated dogs, 25:29651
HIATT, R. M. REPP: thermal hydraulic design code for water-cooled reactors, 23:26027 (BNWL-1013)
Thermal and hydraulic analysis of a Phoenix fuel in the Materials Test Reactor, 24:43807 (BNWL-1409)
HIATT, Robert W. Prog. rpt. on Eniwetok marine biology, annual, 1968—69, 23:35683 (SAN-226-4-X)
Prog. rpt. on marine biology, annual, 1966—67, 22:30417 (TID-24205)
HIATT, V. S. Genetic nature of phenotypic reversions induced in Hordeum with ionizing radiations and chemical mutagens, 21:32610
HIATT, Vivian S. Suppressors of chloroplast mutation in Hordeum vulgare, 22:36234
HIBARU, Y. Programmed test method of heavy thickness steel plates for nuclear vessels, 24:36912
HIBBARD, Bryan M. Metabolic behavior and radiation dosimetry of /sup 99m/Tc-albumin in pregnancy, 24:12077
Placental localization using radioactive isotopes, 21:6548
HIBBELER, R. Viscous creep ratchetting of nuclear reactor fuel elements, 23:24045
HIBBELER, R. C. Nuclear structural growth induced by ratchetting, 25:54311
HIBBELER, Russell Charles Creep ratchetting in nuclear reactor fuel elements, 23:41628
HIBBERD, F. Investigation of total electron content in equatorial anomaly of East Africa, 23:51470
HIBBERD, F. H. Reflection of radio waves from ionospheric irregularities at vertical incidence, 25:35978
S/sub q/ current effects on seasonal variations in E region, 21:35099
Variations in total electron content and other ionospheric parameters associated with magnetic storms, 22:2945
HIBBERD, M. J. LILLY: computer code for calculating an inferred K-infinity from reaction rate measurements in thermal reactor systems, 23:31152 (AEEW-M-834)
HIBBERT, A. Calculating angular momentum integrals in atomic structure, 25:2923
Electron scattering by complex atoms, 25:24900
Saddle-point character of Hartree—Fock energy, 22:9089
Z/sup -1/2/ expansion of Hartree—Fock equations for helium-like ions. II, 21:43808
Z/sup -1/2/ expansion of unrestricted Hartree—Fock equations for (1s)(1s') ^{1}S states of helium and helium-like ions, 21:33136
HIBBERT, F. Proton transfer from cyanocarbon acids. II. General-base-catalyzed detritiation and bromination of malononitriles. Rates of the reverse reactions, 25:41798
Proton transfer from cyanocarbon acids. III. Primary and solvent kinetic isotope effects in the ionization of malononitriles, 25:41799
HIBBERT, John Improvements in or relating to nuclear reactors, 22:6052
HIBBERT, N. S. Coating of uranium monocarbide with silicon carbide in a fluidized bed, 23:22634
HIBBERT, Neil Silva Nuclear reactor fuel elements, 22:27506
Nuclear reactor fuel elements, 22:27507
Nuclear reactor fuel elements, 21:18318
HIBBITS, J. O. Determination of moisture on thorium dioxide by a coulometric electrolytic measurement with electronic integration, 22:10191
Determination of O/U ratios in UO/sub 2+-x/, 21:45015 (TID-24084)
Measurement of surface U on oxidized fuel elements, 23:13665
Oxygen-to-uranium ratios in uranium dioxide and tungsten—uranium dioxide, 23:13629
HIBBITS, James O. Determination of U and Th in fuel element core materials by selective decomposition of their hydrides, 21:2975
HIBBS, G. G. Shield construction for therapy of Hodgkin's disease, 23:50554
HIBBS, Roger F. Review of enriched uranium fuel cycle, 23:17733 (ORO-665, pp 85-119)
HIBBS, S. M. Astron mechanical engineering effort, 25:36198 (UCRL-73059)
HIBDON, C. T. Total neutron cross sections of ^{6}Li, ^{7}Li, and Li from 10 to 1236 keV, 23:5831
HIBI, Tadatosi Electronmicroscopic observations of the effect of electron irradiation and print-out effect on AgBr crystal, 21:9653
Preparing unusually oriented W tips, 24:14785
HIBLER III, W. D. Electrical conductivity in pure type-II superconductors near H/sub c2/, 24:30301
Surface impedance of niobium near H/sub c2/, 22:50111
HIBLER III, William David Electrical conductivity in pure type-II superconductors near H/sub c2/, 25:3043
HIBNER, J. Fluctuations in longitudinal and lateral development of E.A.S, 21:33221 (INR-804/VI/PH)
Groups of penetrating particles in EAS, 25:45630 (INR-1279)
Lateral distribution of the muon component in the central region of extensive air showers, 23:34520

Nuclear cascades generated in lead/iron absorber by nuclear-active particles of EAS, 21:33232
Relation of muon number on size of E.A.S, 23:34519 (INR-1009)
HIBNER, Julius Direct method showing the existence of large air showers due to primary photons, 21:46185
HIBNER, Juliusz Attempt at determining the radial distribution of muons of extensive air showers at distances close to the axis, 21:14994
Electron and muon density spectra of EAS, 23:46311
Longitudinal and lateral development of EAS and ratio of muon to electron component density, 22:24072
Multiplicative muon effect in lead—iron absorber, 21:10617
HIBOU, F. Excited states of ^{19}O studied by reaction ^{18}O(d,p)^{19}O, 23:39973
γ transitions in ^{18}O, 25:3584
Resonances in reaction ^{10}B + α, 23:8953
HICHIRI, Yasushi Iodine-131 thyroid uptake rate in various thyroid disorders, 21:8888
HICK, H. Comparative study of semi-conductor gamma spectrometers for scanning of irradiated Dragon fuel elements, 24:41007 (DP-Report-354)
Experimental observations with a semiconductor Compton spectrometer during burnup measurements on fuel elements, 21:2876
Integrating semiconductor Compton spectrometer, 22:10577 (SGAE-PH-55/1967)
Interpretation of gamma spectrometric measurements on burnt fuel elements, 24:48863 (SGAE-PH-98/1970)
Neutron-transmission method for nondestructive determination of plutonium isotopes in fuel elements, 22:4035
New Ge(Li)-spectrometer for determination of burn-up of reactor fuel elements, 23:17785 (BLG-425, Paper 5)
Summing Ge(Li)-Compton spectrometer with high peak-to-tail ratio, 23:19997
HICK, Harald Apparatus for measuring of quantum radiation, 25:23844
Single-crystal, drifted semi-conductor radiation detector having a bore therethrough, 25:23842
HICK, Harald Peter Improved method for producing a semiconductor radiation detector, 22:33640
Improvements in or relating to radiation measuring apparatus, 23:50166
HICKAM, C. W. Jr. Corrosion product of Ta—interstitial O—K system at 1800°F (982°C), 22:23719
HICKAM, W. M. Analysis of sodium by spark source mass spectroscopy, 22:30439
HICKAM, William M. Direct method for the determination of carbon in sodium, 23:45178 (ANL-7520(Pt.1), pp 284-90)
Sodium analysis by spark source mass spectrography, 23:84
HICKE, E. P. Theoretical studies on the fast reactor maximum accident, 21:7989
HICKEL, B. Transient species in the pulse radiolysis of periodate ion in neutral aqueous solutions, 25:57466
HICKEL, Bernard Comments and calculations on radiolytic decomposition of dilute H peroxide solutions and value of ge/sub aq-/, 23:19801
Radiolysis of concentrated nitrate and formate solutions, 25:2257 (CEA-R-4046)
HICKEN, E. Behavior of light water reactors under loss of cooling medium, 25:57101
HICKEN, G. K. Effects of beryllium oxide on the braze weldability of beryllium, 22:49743
Joining beryllium by an electron-beam braze welding technique, 22:8713
HICKEN, Grant K. Precipitation in electron-beam welded beryllium ingot sheet, 25:24544 (RFP-1112)
HICKERSON, J. L. Artifical injection of electrons into the geomagnetic field by Teak and Orange, low-altitude bursts of 1958, 24:47138
HICKERSON, J. P. Influence of notches on the fatigue resistance of pressure vessel steels, 22:23767
HICKERT, J. Determination of the tritium contamination of column-filling material, 21:38903
HICKEY, C. Hugh Effects of sodium fluoride on ulnar resonant frequency in elderly women, 25:54359 (COO-1422-109)
HICKEY, Charles F. Jr. Some observations on the hardenability of Ti—6Al—6V—2Sn, 24:32403
HICKEY, F. R. Muon experiments, 25:14532
HICKEY, Francis Roger Small-angle scattering of relativistic particles, 25:12089
HICKEY, J. E. State program for reducing radiation exposure from dental x-ray machines, 24:44504
HICKEY, J. L. S. Commercial processing of milk for concurrent removal of cationic and anionic radionuclides, 21:34668
Protection standards and state regulations for radioactivity in water, 22:28504
HICKEY, J. R. New value for the solar constant of radiation, 22:28994
HICKEY, John L. S. Radium-226 body burdens determination from ^{222}Rn in breath, 22:31090
Radium-226 concentrations in public water supplies, 23:2833
Removing radioactivity from milk, 23:14192
HICKEY, John W. N. Radioactive waste discharges to the environment from a nuclear fuel reprocessing plant, 25:52060
HICKEY, K. B. Concrete-polymer materials. Second topical report, 24:39730 (BNL-50218)
HICKFORD, J. H. Potassium pentachlorohydroxytechnetate(IV), 21:45127
HICKFORD, Jeanette H. Studies in chemistry of Tc complexes of Tc(II), (III), and (IV), 24:25031
HICKINSON, D. Sheffield University vlf experiment on the satellite Ariel 3, 22:17487
HICKLING, G. G. Radiation-induced oxidation of alcohols by Tl(III) in acid aqueous solution, 24:50416
HICKLING, Sheila M. The measurement of antimony deposits in the lung, 22:511
HICKMAN, B. S. Anisotropic growth of aluminium nitride under neutron irradiation, 23:12445
Crystallite size distribution in fine powders, 22:28973
Effect of neutron irradiation on chrysoberyl, 22:19679
Effect of ternary additions on the decomposition of metastable beta-phase titanium alloys, 25:24600
Effects of irradiation on beryllia-based fuels, 22:19587
Formation of omega phase in Ti and Zr alloys, 23:34016
Growth of ceramic oxides under neutron irradiation, 21:20600
Omega phase precipitation in Ti alloys, 23:34012
Radiation damage in BeO dispersion fuels, 22:774
Radiation effects in beryllium and beryllium oxide, 22:36514
HICKMAN, Bernard T. Comparison of two radiation therapy-treatment plans for carcinoma of the cervix. I. Personnel radiation exposure, 25:42432
HICKMAN, C. Fly tagging: a new approach, 21:8751
HICKMAN, Cleveland P. Jr. Binding of inorganic iodide to the plasma proteins of teleost fishes, 23:26683
HICKMAN, H. D. Startup of San Onofre, 23:31108 (CONF-690113-6)
HICKMAN, J. A. New technique for quantitative estimation of fibrinolysis using in vivo [^{125}I]fibrinogen, 25:42243
HICKMAN, J. R. United Kingdom food irradiation program, 21:26726
HICKMAN, R. G. Diffusion and permeation of deuterium in Pd—Ag, 24:2928
HICKMAN, R. L. Immunization against malaria by use of irradiated plasmodia, 24:50789
HICKMAN, Robert C. Chattanooga shale investigations, 22:18978 (BM-RI-6932)
HICKMAN, S. A. Channel analyzer (4096), 23:22135
HICKMAN, Stanley Alfred Coded information analysing arrangements, 22:43188
HICKMOTT, T. W. Radiation damage in radio-frequency-sputtered SiO_2 films, 24:3447
HICKOK, Frederick R. Model atmospheres for O5 V and B0 V stars with line blanketing, 22:26111
HICKOK, R. L. Direct measurement of plasma space potential, 24:35393
Plasma density contour measurements using molecular ion beam breakup, 21:31417
Plasma density measurement by ion-beam probing, 23:27612
Plasma density measurement by molecular ion breakup, 21:15107
Prog. rpt. on beam probe mapping of rapidly fluctuating plasma density in energetic arc, final, 12/67—11/68, 24:30311 (AD-687181)
Prog. rpt. on plasma density measurements with energetic beams, final, 12/1/65—11/30/66, 21:42027 (AD-647835)
HICKOK, Robert L. Plasma density and spectroscopic measurements of deuterium arcs, 21:735 (AD-628890)
HICKOX, G. K. Joining of tungsten sheet, 21:9124
HICKS, B. B. Concentrations of ^{7}Be over Australia during 1965, 22:188
Radioactive fallout from the French 1966 Pacific tests, 22:8226
Sulphur-35 and ^{7}Be in ground-level air at Aspendale, 24:5754
HICKS, D. Analysis of water reactor burnup data with METHUSELAH II code, 21:23586 (AEEW-R-399)
Fuel management in SGHW reactors, 22:22781
Fuel management in steam-generating heavy-water reactors, 22:30259
Nuclear design of SGHWRs, 23:13393
Performance aspects of the steam-generating heavy-water reactor, 22:30236
Reactor performance calculations for water reactors, 24:40906 (AEEW-R-691)
Steam generating heavy water reactor, 23:28439
Validity of METHUSELAH II in water moderated lattice calculations, 21:30087 (AEEW-R-397)
HICKS, D. L. Compactness by bounded L/sub p/-variation, 25:28890 (SC-RR-70-852)
Extending Courant, Friedrichs, and Lewy's (1928) compactness result to nonlinear equations of state and nondifferentiable initial data, 25:54385 (SC-RR-710302)
HICKS, Darrell Lee One-dimension Lagrangian hydrodynamics and the IDLH hydrocode, 24:11395 (SC-RR-69-728)
HICKS, E. E. Criticality of a uranium-solution slab under various reflector conditions, 24:4122
HICKS, G. M. π^{+}p elastic scattering at 3.6 GeV/c, 25:59292
HICKS, G. S. Observation of massive muon pairs in hadron collisions, 25:7542
HICKS, G. T. Equatorial aurora/airglow in the far ultraviolet, 25:7241
Observations of aurora in far uv, 24:17813
HICKS, Gordon Graham Improvements in or relating to nuclear explosion detection systems, 24:348
HICKS, H. Photoproduction of K^{+} mesons at 3.4 and 5.0 GeV, 22:9502
HICKS, H. R. Fission product energy release and inventory from ^{239}Pu fast fission, 23:4447 (LA-3954)
Fission-product decay from fast fission of ^{239}Pu, 22:5827
HICKS, H. S. Dependence of electron density of recombination-rate coefficient of He_2^{+}, 24:45052
HICKS, Harald P. Method of and apparatus for the measurement of physical characteristics of x-rays, 25:18651
HICKS, Hardy Henson Hazards of radiation from x-ray exposure, 22:28486
HICKS, Harry Richard Analysis of deuteron reactions using amplitudes with anomalous thresholds, 25:59514
HICKS, I. R. Outage inspection of nuclear system components, 24:18642
HICKS, J. A. Coulomb excitation of 140-keV level in ^{193}Ir, 25:34106
In-beam Moessbauer spectroscopy, . 25:5467
Moessbauer effect in ^{167}Er following Coulomb excitation, 24:3946
Moessbauer effect of 129-keV state in ^{195}Pt, 23:49012
HICKS, J. E. Response of winds in the 90- to 140-km altitude region to variations in solar activity, 24:51549
HICKS, J. M. Drift-field solar cells on silicon web, 22:11296
Measuring temperature of laser-produced plasma using neutron-detection technique, 21:37422
HICKS, J. W. Status of MURA 200-MeV electron—positron storage ring, 21:27464 (CONF-660939-11)
Turbine driven rotating coil magnetometer, 21:36441
HICKS, John W. Electron—positron storage ring magnet power supply (200-MeV), 21:38053
HICKS, N. Photoproduction of π^{+} mesons at 3.4 and 5.0 GeV, 22:3239
Photoproduction search for dipion resonances in the mass range from 1360 to 1780 MeV, 23:42533
HICKS, R. B. Periodic solar time variations in the cosmic-ray muon component near sea level, 23:46312
Pronounced diurnal variation in cosmic-ray intensity, 23:41999
Removal of meteorological effects from meson-telescope data, 23:39352
Sidereal-time variations in the cosmic-ray intensity, 24:26031
Time variation study and intensity measurement for the nearly horizontal cosmic-ray muon component, 25:49769
HICKS, R. H. Production of double extruded heavy wall molybdenum tubing, 21:9109
HICKS, R. S. Photoneutron cross section of strontium, 25:12456
HICKS, S. P. Developmental radiobiology, 24:23347 (CONF-690501-, pp 913-16)
Effects of irradiation of rat cerebellum, 24:23342 (CONF-690501-, pp 739-54)
Prenatal irradiation and CNS physiology and biochemistry, 21:24284 (CONF-631008, pp 82-91)
HICKS, Samuel P. Effects of ionizing radiations on mammalian development, 21:6708
Prog. rpt. on effects of radiation and other factors on developing form and function of nervous system, annual, 2/70, 24:25560 (COO-1201-28)
Prog. rpt. on effects of radiation and other factors on developing form and function of nervous system, comprehensive review, 1962—1971, 25:42615 (COO 1201-30)
Prog. rpt. on effects of radiation on mammalian nervous system, annual, 1966, 21:20316 (COO-1201-10)
HICKS, T. E. New curriculum in nuclear science and engineering at UCLA, 24:7067
HICKS, Thomas E. Effects of moderator temperature gradients on thermal-neutron flux, 21:44879
HICKS, W. Depolarization of light scattered by a relativistic plasma, 22:26366
HICKS, W. V. Equilibrium bond length in H_2^{+}, 24:39838
HICKS, W. W. High-frequency Stark effect in plasma diagnostics, 25:3062
HICKS, Walter Joseph Derivation of plasma kinetic theory, 24:21809
HICKS, William Prog. rpt. on effects of ambient pressure on tolerance of mammals to air-blast, 8/66, 21:28510 (DASA-1852)
HICTER, P. Representation of thermodynamic mixing data of metallic binary systems: use of "surrounded atom" model, 22:31391
HIDA, Gyo Effects of absorption on the real phase shift, 21:4034
Hard core and absorption in a two-channel model for proton—proton collision, 21:35317
HIDA, Noboru Natural occurrence of U in Japan. II, 24:7534
HIDAJAT, Bambang Spectrum of Nova Herculis 1960, 22:36610
HIDAKA, Kazuhiko Calculation of hysteresis loss in a type-II superconductor, 22:13407
HIDAKA, Takashi Studies on polymer blends. II, 22:27747
HIDAKA, Tsuneo Irradiated LiF single crystals by x-ray diffraction topography, 22:13589
HIDALGO, J. U. Detection of arthritis by joint scanning, 23:48133
HIDALGO, John U. Computer techniques, 25:4393
Conference on computers and scanning, New Orleans, 12/65, 23:18058
Joint scanning with labeled albumin, 23:18065
Lung scans in spatial perspective, 25:4670
Prediction of /sup 99m/Tc yield from ^{99}Mo generators, 21:40965
Radiation distribution for 2 MVCp x-ray generators by digital computers, 21:28455
Uses of computers, 23:17830
HIDALGO, M. A. Thermal diffusion and Senftleben—Beenakker effect, 24:25222
HIDALGO, Martin B. Photo-ionization cross-sections for ions of C, N, O, and neon, 22:49920
HIDALGO-SALVATIERRA, Oscar Photoreactivation of tobacco mosaic virus RNA, 23:43704
HIDAYATALLA, Abdalla Experiences in a radio-isotope and radiotherapy centre in a developing country, 25:52131 (A/CONF.49/P-639)
HIDDLESTON, H. R. Core coupled resonances in the ^{86}Kr plus p reaction, 24:43294
Isobaric analog resonances in N approximately equals 82 nuclei, 25:3685
Isobaric analog resonances in proton elastic scattering from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 24:38246
Isobaric analog resonances in proton scattering from ^{86}Kr, 25:28242
Isobaric analog resonances in proton elastic scattering, from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 25:28370
Isobaric analog resonances in proton elastic and inelastic scattering from ^{130}Te, 25:28427
Neutron particle-hole states in ^{130}Te, 25:28369
HIDDLESTON, Hoyt Rodney Isobaric analog resonances in proton elastic and inelastic scattering from ^{130}Te, 25:43918

- HIDE, R. Correlations between Earth's gravitational and magnetic fields, 25:45371
  - Magnetohydrodynamic oscillations of neutron stars, 25:19312
  - Novel correlations between global features of the Earth's gravitational and magnetic fields, 24:19705
- HIDECHIKA, Takahashi Computer control of an accelerator, 25:56597 (SJC-A-71-3)
- HIDEYO, Kodama Computer control of an accelerator, 25:56597 (SJC-A-71-3)
- HIDVEGI, E. J. Effect of ^{32}P incorporated into chick embryo, 24:32213
  - Effect of whole-body x-irradiation of guinea pigs on liver ribosomes, 23:4899
  - Effect of whole-body x-irradiation of guinea pigs on liver ribonucleic acid synthesis, 24:34100
  - Enrichment of polysomes in the liver upon x-irradiation in vivo, 21:20082
- HIDVEGI, Egon J. Isotope content of oligonucleotides of nuclear and nucleolar RNA of rat liver, 24:34055
- HIDY, G. M. Theory of diffusive and impactive scavenging, 25:26382 (CONF-700601-, pp 355-71)
- HIEBER, R. H. Elastic proton—proton scattering at 90° and structure within the proton, 21:37675
  - Measurement of $p + p \rightarrow \pi^+ + d$ at 90° and 5 GeV/c, 22:15674
  - Proton—proton elastic scattering at 90 deg and structure within the proton, 21:2366
- HIEBERT, Adoniram C. Radioisotope generators (100 to 1000mW), 22:10514
- HIEBERT, J. Deuteron elastic scattering at 34.4 MeV, 21:33932
- HIEBERT, J. C. Calibration technique for energy-defining transport magnets, 25:7786
  - Data acquisition and analysis computer, 24:8758 (CONF-690301-, pp 54-8)
  - Distorted-wave Born-approximation analysis of the (d,^{3}He) reaction on "closed-shell" nuclei, 21:19192
  - Nuclear data acquisition with a large 2nd generation computer, 24:52335
  - Nucleon transfer in ^{10}B(^{14}N,^{13}N)^{11}B, ^{10}B(^{14}N,^{11}C)^{13}C, and ^{40}Ca(^{14}N,^{13}N)^{41}Ca reactions, 21:9977
  - Programmable data acquisition interface, 25:59665
  - Reaction (d,^{3}He) on the N = 28 nuclei at 34 MeV, 22:20505
  - Reactions (α,^{3}He) and (α,t) on ^{40}Ca, 24:28755
  - Reactions (d,^{3}He) on the even Zr isotopes, 22:18231
  - Reactions Cu(d,^{3}He)Ni at 34.2 MeV, 22:32548
  - Stripping to quasibound levels in ^{41}Sc, 25:5617
- HIEBERT, R. D. Design of rocket-borne instrument to measure far-infrared radiation in the night sky, 24:33961 (LA-4357)
  - Direct digital readout and computer calculation of amino acid analysis data, 25:3965 (LA-4507)
  - Gamma insensitive air monitor for radioactive gases, 25:48937
  - Improved light scattering photometer for air filtration system studies, 25:31702 (LA-4627)
- HIEDA, Kotaro Absence of apparent dark recovery from the photodynamically-induced mutational damages in yeast cells, 22:28412
  - Effects of dehydration on the sensitivity of yeast to ultraviolet light, 25:55183
  - Enhancement of uv sensitivity of yeast in frozen state, 23:6611
  - Uv-induced damage in Saccharomyces cerevisiae, 23:20166
- HIEHS, Eduard Charge symmetrical pairing correlations for even—even nuclei with N = Z, 23:9052
- HIEI, Eijiro Emission gradients in continuum at Sun's limb, 22:29070
- HIEMELEERS, J. Direct conversion of UF$_6$ into UO$_2$, 23:13806 (ANL-Trans-706)
- HIEMEYER, V. Investigations about thromboplastic activity: fibrinolysis and precipitation by ^{131}I fibrinogen in experimental tumors, 25:561
- HIEMSTRA, S. A. Mineralogy of uranium in western areas ores, 23:31435 (NIM-237)
  - Vertical distribution of gold and uranium in various auriferous reefs, 22:48955 (NIM-269)
- HIEN, N. Development of ferrite core readout on the pulsed electrode of wire planes, 21:10650
- HIEN, N. C. Anti p—p annihilation into boson pairs at 6 and 8 GeV/c, 23:42556
  - anti p—p elastic scattering at 8 and 16 GeV/c, 23:46606
  - Proton—proton elastic scattering at 15, 20, and 30 BeV/c, 24:21927
  - Rare two-body processes in K^--p and anti p-p scattering at high energies, 24:18079
  - Reactions $K^- + p \rightarrow \pi^- + \Sigma^+$ and $K^- + p \rightarrow \pi^- + Y^{*+}(1385)$ at 8 and 16 GeV/c, 24:26375
  - Second generation wire spark chamber system, 21:16106 (CONF-660918-, pp 39-40)
- HIERHOLZER, John C. A-antigen variation in pigeon erythrocytes. I, 21:41501
- HIERL, P. Energy dependence of energy partition in products of direct reactions: crossed-beam studies and a new model, 22:34270
- HIERL, P. M. Chemical accelerator studies of isotope effects on collision dynamics of ion—molecule reactions, 24:41289
- HIERONYMUS, J. Toroidal equilibria of a relativistic electron plasma, 24:47265 (NYO-3782-4, App.7)
- HIERONYMUS, James Lee Equilibria and stability of magnetically confined relativistic electron clouds, 25:56130
- HIERONYMUS, W. Power increase of Rossendorf Research Reactor WWR-S from 2 to 10 MW, 24:13609
- HIERS, J. M. Jr. Zinc deficiency per se and of dietary Zn level on urinary and endogenous ruminants fecal excretion of ^{65}Zn, 21:14573
- HIERSEMANN, R. Development of nuclear power technical school, 25:59916
- HIESINGER, L. Proton storage rings of CERN, 21:17227
  - Transport of spent nuclear fuels, 22:12564
- HIESINGER, Leopold Electrical equipment for nuclear energy plants, 21:35598
- HIESTAND, O. S. Jr. Radiation injury claims, 23:24663
- HIETANAN, Sirkka Studies on the hydrolysis of metal ions. LX, 22:27676
- HIETSCHOLD, R. Preparation and performance of superconducting cavities, 21:11870 (LA-3609, pp 499-501)
  - Q-measurements in superconducting lead cavities at 800 MHz, 23:19075 (BNL-50120(Pt.2), pp 770-3)
- HIGA, R. Prog. rpt. on fluor-photodiode gamma dosimeter, final, 9/21/65, 21:12684 (AD-641913)
- HIGASHI, Aritsune Monitoring for internal exposure. III, 25:42479
- HIGASHI, Koichi Foreshortening effect on the apparent area of solar flare, 22:21803
- HIGASHI, Kunio Basic research on gaseous diffusion separations, 22:42972 (K-Trans-37)
  - Characteristics of a tapered cascade for isotope separation by gaseous diffusion, 22:25622
  - Effect of flow pattern in gaseous diffusion process, 25:8438
  - Gaseous diffusion process with 10-stage cascade, 24:16795
  - Square and squared-off cascades for U enrichment, 23:50076
- HIGASHI, Kunishige Spectrographic analysis of rare earth elements. I, 23:13636
- HIGASHI, Noboru Ultramicroautoradiography of the psittacosis agent (6BC) in cell cultured, 22:28332
- HIGASHI, S. Search for relativistic quarks in cosmic rays, 25:25279
- HIGASHI, T. Catheter-type semiconductor radiation detector, 24:31699
  - Diagnosis of malignant tumors with a p.i.n type semiconductor detector, 24:39525 (NP-tr-1903)
- HIGASHI, Tomomitsu Changes of salivary gland function following telecobalt therapy of maxillary cancer, 21:36716
  - Measurement of micro elements in dental pulp by activation analysis, 24:4242
- HIGASHI, Tomomitu Activation analysis of cancerous tissue. I, 22:47
  - Consideration on the diagnosis of malignant tumor with P-I-N type semiconductor detector, 22:45288
- HIGASHIDE, Fukuji ESR study of radiation-induced graft-polymerization of methyl methacrylate on flaky glass, 25:8277 (NSJ-tr-160)
  - Radioinduced graft-polymerization of methyl methacrylate on flaky glass, 23:49852
  - Radioinduced graft-polymerization on flaky glass surface, 23:11574
  - Thin filler as radiation-induced graft—polymer of vinyl monomer, 24:20831
- HIGASHIHARA, Minoru Use of beta-propiolactone and uv irradiation for treatment of viral contamination of canine serum, 23:50956
- HIGASHIHARA, Y. Albedo component of gamma rays passing through a cylindrical duct, 21:21014
- HIGASHIHARA, Yoshiharu Shielding design of the experimental fast reactor, 23:15626
- HIGASHIMOTO, Sadao Radioactively anomalous sites detected by the carborne radiometric survey in Yamaguchi and Shimane Prefectures, 22:8218
- HIGASHIMURA, M. Development of ionospheric absorption associated with stratospheric warmings in 1958 and 1963, 24:5064
- HIGASHIMURA, T. Application of thermoluminescence of natural quartz to accident dosimetry, 23:7863 (CONF-680920-, pp 910-16)
  - Electron spin resonance study of trapped electrons in irradiated organic glasses at 4.2°K, 24:13953
  - New absorption bands in fluorites by heavy gamma irradiation, 25:45548
- HIGASHIMURA, Takenobu Accident dosimetry by thermoluminescence of feldspar, 24:29581
  - Decay of electrons trapped in irradiated 3-methylhexane glass, 23:43374
  - Electron spin resonance spectra of irradiated organic glasses, 23:43373
  - Electron traps in irradiated water—ethylene glycol glass at 4 and 77°K, 24:41354
  - Electronic spectra of trapped electrons in organic glasses at 4°K, 25:29156
  - Electrons in irradiated aqueous solution of sodium hydroxide, 23:45340
  - Moessbauer effect, 23:18723 (KURRI-TR-8)
  - Production of triplet state molecules, 24:31380
  - Thermoluminescence properties of dysprosium- and thulium-activated calcium sulfate phosphors at high gamma doses, 25:15956
- HIGASHINO, S. Cardiac catheterization using a radioactive catheter and the scintillation camera, 23:2860
- HIGASHINO, Stanley Cardiac catheterization using a radioactive catheter and the scintillation camera, 23:8021 (UCRL-18066, pp 58-63)
- HIGASHIONNA, R. Lumped-parameter analysis for shear failure in the end slab of cylindrical PCRV, 25:2411 (TID-25573)
- HIGASHIURA, Toshimasa Strontium-85 bone scanning in malignancies, 23:41376
- HIGASI, Tomomitu Diagnosis of malignant tumor with ^{67}Ga-citrate. I, 24:34458
- HIGATSBERGER, M. J. Determination of irradiation history of spent fuel elements by γ-spectroscopic intensity measurements of fission products, 23:45143
  - Fuel for nuclear reactors, 23:45155
  - Instantaneous analysis in metallurgy by employing prompt (n,γ) processes, 25:23751
  - Report of working party of board of management on an extension of Dragon project agreement, 24:47806 (DP-Report-100)
  - Results on recent work in mass spectroscopic and nuclear physics research, 24:8892 (SGAE-G-14/1969)
  - Spontaneous analysis in metallurgy by use of prompt (n,γ) processes, 25:20956
- HIGATSBERGER, Michael J. Focusing characteristics of electric fields, 21:2018
  - Focusing characteristics of electric fields, 23:52047 (LIB/Trans-215)
  - Improved method for producing a semiconductor radiation detector, 22:33640
  - Matrix-type nuclear fuel element including fission product retentive materials, 22:28771
  - Method of and apparatus for the measurement of physical characteristics of x-rays, 25:18651
  - Results with semiconductor Compton spectrometer for nondestructive burnup determination of nuclear fuel, 21:6202 (SGAE-G-4/1966)
  - Seibersdorf Reactor and Research Centre, 22:35614
  - Single-crystal, drifted semi-conductor radiation detector having a bore therethrough, 25:23842
- HIGBIE, J. Essential singularities in general relativity, 24:3761
  - Gamma radiation from fission fragments experimental apparatus, 23:49380 (AE-367)
  - Gamma radiation from fission fragments, 24:5414 (AE-374)
  - Gravitational—scalar field coupling, 25:9880
  - Intermediate structure in the energy dependence of the polarization of fast neutrons, 21:21549
  - Resolution of a solid state fission fragment mass spectrometer, 24:33923
- HIGBIE, James Howard Solutions of the gravitational—scalar field system, 25:59587
- HIGBIE, K. B. Extraction behavior of cerium-group lanthanides in a primary amine-chelating agent system, 22:10319 (BM-RI-7100)
- HIGBY, C. W. Conceptual system design description for Na receiving and processing system, 22:50792 (BNWL-500(Vol.81))
  - Nuclear Proof Test Facility location study, 22:50797 (BNWL-761)
- HIGBY, W. J. Kertran compiling system, 24:21015 (IS-2230)
  - KUBER: control program for on-line measuring system, 24:19238 (IS-2229)
  - On-line control system for bubble chamber film measuring, 24:19237 (IS-2228)
- HIGDON, D. T. Reactor requirements for first generation thermionic nuclear electric propulsion, 23:11309 (GA-9046)
  - Reactor requirements for first generation thermionic nuclear electric propulsion, 23:45111 (GA-9046(Rev.))
- HIGGINBOTHAM, C. Method of correcting for absorption of ^{14}C in animal tissues, 25:49094
- HIGGINBOTHAM, N. Note on the central star of NGC 3132, 25:11570
- HIGGINS, C. E. Preparation and properties of some rare earth and americium chelates, 24:41261
- HIGGINS, C. S. Interstellar scattering and low-frequency spectrum of PSR 0833-45, 25:58540
  - Observations of the flare star UV Ceti, 23:1071
  - Radio emission from flare stars near the Orion Nebula, 24:10226
  - Radio emission from flare stars near Orion nebula, 25:35616
  - Radio sources (11-cm) associated with clusters of galaxies, 23:22766
  - Solar wind and Jovian decametric radio emission, 22:41152
- HIGGINS, Cecil E. Photopolymerization of hydroxypropyl acrylate and tetraethylene glycol dimethacrylate initiated by uranyl ion, 22:33333
  - Thermal decomposition of tri-sec-butyl phosphate, 22:18775
- HIGGINS, G. H. Effect of water content, yield, medium, and depth of burst on cavity radii, 21:24130 (UCRL-50203)
  - Future contained nuclear explosives experiments, 24:27263
  - Nuclear explosives for oil and gas stimulation and shale oil recovery, 24:27256 (CONF-680334-1)
  - Purging of radioactivity from gas well stimulated by nuclear explosion, 23:15996 (UCRL-50519)
- HIGGINS, G. S. Radiation survey meter calibrator, 21:14442
- HIGGINS, G. T. Deformation of zirconium—hydrogen alloys, 22:13075
  - Deformation of Zr—O single crystals, 22:13074
  - Development of large zirconium crystals by the alpha—beta thermal cycling technique, 21:26846
  - Secondary recrystallization in alpha zirconium, 21:13198
  - Studies of thermally-activated deformation in zirconium, 25:42877
- HIGGINS, Gary H. Constructive uses of nuclear explosives, 22:25562
  - Radioactivities from nuclear excavation, 21:45276
  - Rate of evolution of earth's crust, 23:9539 (UCRL-71187)
  - Summary of nuclear explosion data for underground engineering applications, 24:31527 (UCRL-50853)
  - Technical problems and future underground engineering experiments, 23:21847 (UCRL-71439)
  - Underground nuclear explosions, 24:41473 (CONF-700101-(Vol.1), pp 29-42)
- HIGGINS, George A. Controlled study of preoperative irradiation in cancer of the sigmoid colon and rectum. Preliminary report, 25:6752
- HIGGINS, George K. Radiation therapy in soft tissue sarcomas, 24:21250
- HIGGINS, Graham S. Fabrication of low cost cavity ion chamber, 21:45395
- HIGGINS, I. R. Selective ion-exchange sorption of ^{137}Cs and ^{131}I from borated solutions, 21:10595
- HIGGINS, J. K. Reaction of alumina with cesium vapor, 21:13231
- HIGGINS, J. P. Evaluation of failed 3-inch tee at Consumers Big Rock Point Plant, 23:27051 (GECR-5401)
  - In-service inspection of Dresden-1, 22:53343

Low-cycle fatigue testing of partial-penetration welded reactor vessel nozzle connections. IV, 24:13541 (APED-5592(Pt.4))
Modified surveillance program for General Electric BWR pressure vessel steels, 23:22581 (APED-5490)
Ultrasonic examination of stainless-steel components in Dresden nuclear power station: 1967, 22:6003
HIGGINS, James E. Solar-cycle variation of extreme ultraviolet radiation, 23:41850
HIGGINS, L. J. Handbook of analytical procedures, 24:20687 (RMO-3008)
HIGGINS, P. B. Development of xenon lamp explosives initiator, 24:46154 (SC-DR-70-306)
HIGGINS, P. J. Effects of radiation-induced cross-links on the low-temperature thermal properties of polystyrene, 22:22212
HIGGINS, P. M. Hazards of total cystectomy after supervoltage irradiation of the bladder, 21:12957
HIGGINS, P. R. B. Structure and tensile properties of AISI Type 316 steel, 25:42919
HIGGINS, R. B. Modulated decay in a two-level quantum system, 25:27939
Radiative decay of an atom with two close-lying excited states, 25:33085
HIGGINS, R. J. Fermi-surface topology information from superconductivity measurements, 23:46433
Primary isotope effects for aromatic nitrosation, 25:101
Simple NMR probe for use in superconducting solenoids, 22:23381
HIGGINS, Robert Martin Production of ^{7}Be, ^{11}C, ^{13}N, or ^{15}O from carbon, nitrogen, and oxygen by 87-MeV electrons, 24:40554 (AD-703259)
HIGGINS, T. B. Sputtering of single-crystal copper by 400- and 600-keV argon ions, 22:47835
HIGGINS, Theodore P. Volume integrals of products of spherical harmonics, 23:10483
HIGGINS, Walter T. Jr. Prog. rpt. on nuclear rocket dynamics and control, semiannual, 3/66, 21:15753 (N-66-23593)
HIGGINSON, Walter Improvements in the storage of radioactive liquid effluent, 22:49061
Storage tanks for liquids, 21:17808
HIGGS, A. J. Australian radioheliograph project, 23:27258
HIGGS, L. A. Further observations of the γ-Cygni radio source, 23:6832
Microwave observations of the planetary nebula K3-50, 24:44884
Radio distances of gaseous nebulae, 22:52391
Survey of microwave radiation from planetary nebulae, 25:58544
HIGGY, H. R. Decladding of nuclear fuel by rolling-straightener technique, 24:2296
Mechanical decladding of the Inchas fuel, 25:34780 (UARAEE-54)
Safe mechanical decladding in flow-sheet processing, 24:31558
HIGH, Gloria J. Behavior of autologous thyroglobulin in circulation of rabbits, 21:43511
HIGH, M. Optical-model analysis of alpha-particle scattering from ^{24}Mg, 24:5405
HIGH, M. D. Coupled-channel analysis of α-particle scattering from the 5.23 MeV natural parity state of ^{24}Mg, 25:20344
HIGH, Maynard D. Fission and the ion—ion interaction, 25:48126
HIGHAM, E. J. Measurements of neutron flux and fission rate in advanced gas-cooled reactor lattices, 21:21684
Physics studies in WAGR and HERO, 22:22842
Techniques used in HERO and FIFI for measurement of neutron flux and power generation distribution in A.G.R. lattices, 21:25633 (TRG-Report-1338)
HIGHLAND, G. J. Reaction ^{20}Ne(α,γ)^{24}Mg from 3 to 6 MeV, 22:18190
HIGHLAND, George James Radiative alpha capture in ^{20}Ne, 23:1862
HIGHLAND, V. Cross section for $\pi^-p \rightarrow \Lambda K^0$, 23:34543
Cross section for $\pi^-p \rightarrow \Lambda K^0$: structure near Σ threshold, 23:34535 (PPAR-12)
Cross sections for Λ^0 production by π^- interactions in nuclei, 23:18821
Time dependence of K^0/sub e3/ decays, 21:35254 (NYO-2171-201)
HIGHLAND, V. L. Calculation of the minor components of a magnetic field, 22:46646
Time dependence of K/sub e3/^{0} decays, 21:25227
HIGHMAN, Banjamin Radioprotective effect of dimethyl sulfoxide in rats, 21:24491
HIGHMAN, Benjamin Effect of dimethyl sulfoxide on plasma enzyme changes in x-irradiated rats, 22:38358
Effect of DMSO in x-irradiated and nonirradiated rats, 24:34398
Effect of epinephrine in oil on susceptibility of x-irradiated rats to experimental bacterial endocarditis, 24:41980
Effect of regional shielding on bacterial endocarditis in x-irradiated rats, 24:50932
Effect of regional shielding on plasma enzyme changes after x-irradiation, 23:16238
Serum intestinal alkaline phosphatase after whole-body or regional x-radiation, 24:27528
HIGHT, R. D. Magnetomorphic oscillations in electrical conductivity of cadmium cylinders, 24:28438
HIGHTOWER, B. G. Mating behavior of the screw-worm fly, 21:24699
Population dynamics of the screw-worm fly, 25:27152
Screw-worm eradication, 24:34810
HIGHTOWER, D. Mixed field dosimetry in a neutron exposure volume of a modified research reactor, 22:47028
HIGHTOWER, Dan Mortality response of neutron-irradiated mice, 22:45684
Pseudomonas aeruginosa infection in rats used in radiobiology research, 21:11047
HIGHTOWER, E. D. Physical protection standards, 24:39186 (WASH-1147, pp 40-8)
HIGHTOWER, J. R. Engineering development of on-site processing for molten salt breeder reactors, 22:23093 (CONF-660524-, pp 653-69)
HIGHTOWER, J. R. Jr. Low-pressure distillation of a portion of the fuel carrier salt from the Molten Salt Reactor Experiment, 25:48259 (ORNL-4577)
Low-pressure distillation of molten fluoride mixtures: nonradioactive tests for the MSRE distillation experiment, 25:10210 (ORNL-4434)
Measurement of the relative volatilities of fluorides of Ce, La, Pr, Nd, Sm, Eu, Ba, Sr, Y, and Zr in mixtures of LiF and BeF_2, 22:10324 (ORNL-TM-2058)
HIGHTOWER, Joe W. Catalytic sites for deuterium exchange with benzene over alumina, 25:10530
Tracer studies of acid-catalyzed reactions. VI, 21:14209
Tracer studies of acid-catalyzed reactions. IX, 23:17440
HIGHTOWER, Samuel J. Value and limitations of brain scanning, 21:20305
HIGHTOWER, W. H. Joshua lattice physics subsystem, 25:28801 (DP-MS-70-78)
HIGINBOTHAM, Norman L. Chordoma, 22:21564
Clinical and radiographic aspects of radiation osteitis, 25:6804
Osteogenic sarcoma in a radium dial painter, 21:22560
Sarcomata of the osteogenic series, 21:10943
HIGINBOTHAM, W. A. Conference on semiconductor nuclear-particle detectors and circuits, Gatlinburg, Tenn., 5/67, 23:22003
Development of techniques and instrumentation for nondestructive assay of fissionable materials and field assay experience, 25:37305 (A/CONF.49/P-842)
Plant instrumentation and its relation to the design of safeguards materials control systems, 25:21313
Survey of nuclear material and possible measurement techniques, 23:31235 (BNL-13627)
Survey of nuclear material and possible measurement techniques, 24:442
HIGINBOTHAM, William A. Nuclear safeguards. II, 24:4079
Radioactivity in the environment: effectiveness and failures of monitoring systems, 22:28113
HIGLEY, Wayne New approach to relationship between P, QRS, T, and U waves as seen in normal electrocardiogram, 21:40752 (UCID-15161)
HIGLEY, Wayne R. Instrumentation for OSO-IV charged particle experiment, 24:22990 (UCRL-50745)
HIGMAN, John Variations in solar emission at 3.3 mm wavelength and their relation to flares, 24:44917
HIGSON, D. J. Nuclear marine propulsion, 21:21745
Safety and environmental aspects of nuclear energy, 25:39857 (CONF-710511-1)
HIGSON, Donald James Nuclear reactors, 25:46165
HIGSON, J. Experience with impurities in a large sodium circuit, 21:30389
HIGUCHI, H. Use of a Ge(Li) detector in activation analysis of rock samples. IV, 24:143
HIGUCHI, Hideo Determination of Cu in Zn materials by neutron activation analysis using the ^{63}Cu(n,γ)^{64}Cu reaction, 21:5780
Determination of indium in rocks by neutron activation analysis, 22:4036
Determination of rare-earth elements in rock samples by neutron activation analysis with a lithium-drifted germanium detector after chemical group-separation, 22:25286
Determination of Sr and Ba by neutron activation analysis, 23:17384
Partition of trace elements between rock-forming minerals, 24:29231
Rapid determination of dysprosium in rock by neutron activation analysis, 22:44986
Rare earth abundances in several geochemical standard rocks, 24:48174
Simultaneous determination of rubidium and cesium in rock samples by neutron activation, 23:6068
Trace element partition between two pyroxenes and the host lava, 22:50939
HIGUCHI, Niroku Nuclear-powered ship Mutsu, 25:60205
HIGUCHI, Takehiko Yearly changes of radiation exposure doses received by workers in radiological occupations at Kyushu Univ. Hospital, 22:36263
HIGUCHI, Y. Cyclotron amplification of micropulsations Pcl in magnetosphere, 24:17773
Plasma densities in the thermal magnetosphere determined by using hydromagnetic whistlers, 25:7306
HIGUCHI, Yoshihiro Cyclotron and Cherenkov mechanisms for exciting hydromagnetic radiation in magnetoactive plasma, 22:19854
Cyclotron and Cherenkov mechanisms for exciting hydromagnetic radiation in the magnetoactive plasma, 23:14800
HIGUCHI, Yoshio Scattering phase shifts at high energies, 21:2455
HIGURASHI, Makoto In vitro chromosomal radiosensitivity in Fanconi's anemia, 25:57973
HIHARA, Tadamiki Magnetic structure of MnB_2, 24:42818
NMR study of ferromagnetic β_1—MnZn, 23:42512
HIIDA, K. Polarization of Λ^0 in decay $\Sigma^0 \rightarrow \Lambda^0 + e^- + e^+$, 22:9543
HIIDA, Kichiro C invariance and $(\pi^0e^-e^+)$ and $(\pi^02\gamma)$ modes of eta-decay process, 21:44318
Chiral symmetry in the unified fermion theory. II, 25:3428
Chiral symmetry in the unified fermion theory. III, 25:41065
Chiral symmetry in unified fermion theory. I, 24:43003
Compton scattering and detailed balance, 21:18947
CP invariance and radiative decay of long-lived neutral K meson into two pions, 22:22428
General theory of chiral transformations, 23:25680
Theory of anomalous gravitational interaction. I, 21:27280
HIIRO, K. Determination of La, Ce, and Th without separations, 21:10280
HIIRO, Kazuo Determination of La, Ce, and Th without separations, 22:42635
HIJIKATA, Masayuki Influence of temperature in the contact area on the static welding characteristics of electrical contacts, 25:13644
HIKATA, A. Amplitude-dependent ultrasonic attenuation in normal and superconducting lead, 21:2178
Dislocation behavior in normal and superconducting lead, 23:34362
Ultrasonic attenuation in normal and superconducting lead; electronic damping of dislocations, 21:23145
HIKAWA, Ikuko Separation of Sc and rare earths by anion exchange in acetic acid—HCl mixtures, 21:8426
HIKIDA, T. Pulse radiolysis studies. XX, 25:29158
HIKIDA, Takumi Isotope effects in the reaction $C_2D_3 + D_2 = C_2D_4 + D$, 24:9333
HIKIDO, K. Adaptability of LWR quality assurance standards to LMFBR, 25:41460 (CONF-710315-9)
Safety considerations for steam-cooled fast reactors, 22:53364
SEFOR plant design, 22:16191
HIKIDO, T. Comparative tests of sodium-filled power and pellet oxide fuel specimens under transient overpower conditions, 25:41434
Molten fuel movement in transient overpower tests of irradiated oxide fuel, 24:7152
Molten fuel movement in transient overpower tests of irradiated oxide fuel, 24:22426 (GEAP-13543)
Performance tests of sodium-filled powder and pellet oxide fuel under transient overpower, 25:57046 (GEAP-13722)
HILAIRE, A. Use of quadrupoles in resonant ejection in view of the matching of the beam emittance to the extraction channel, 25:50537
HILAL, M. M. Heat transfer in annular reactor channels, 25:37008 (UARAEE-50)
HILAL, O. M. Extraction of uranium from monazite after separation of thorium and rare earths, 23:396
HILAL, Sadek K. Cerebral blood flow studied with the image intensifier camera, 22:28614
HILARIS, B. Computerized implant dosimetry, 22:31087
HILARIS, B. S. Interstitial irradiation of apical lung cancer, 25:46931
HILARIS, Basil S. Future of radiotherapy in the treatment of uterine carcinoma, 21:6579
Review of experience with irradiation of brain metastasis, 25:26895
Techniques of interstitial and intracavitary radiation, 23:885
Therapy of recurrent cancer of nasopharynx, 22:49430
Value of postoperative intraperitoneal injection of radiocolloids in early cancer of the ovary, 25:49258
HILBERATH, Friedrich Transporting thermal energy, 24:41606
HILBERG, A. W. Estimates of dose to population from diagnostic roentgenology, 23:24673
Qualitative and quantitative effects of radiation on haematopoietic tissue, 22:49584
HILBERG, Albert W. Conference on reduction of radiation exposure in nuclear medicine, Michigan State Univ., 8/67, 23:12090
Epidemiology of late effects of radiation, 23:50892 (PHS-999-RH-33, pp 145-52)
HILBERG, R. H. Construction and operation of thin parallel plate proportional counters, 21:17879
HILBERRY, Norman Educational needs of industry, 24:27282
Role of industry in health and safety aspects of Plowshare industry, 24:23149 (SWRHL-82, pp 697-712)
HILBERT, Jerald W. Energy deposited in low-atomic-number materials by 43.7-MeV protons, 22:21890
Energy deposition by high-energy protons, 23:35742
Energy deposition in microscopic volumes by high-energy protons, 24:41880 (N-69-13643)
Frequency distributions of energy deposition by fast charged particles in very small pathlengths, 24:44975
High-energy proton depth-dose patterns, 22:15005
Proton microdosimetry, 23:50530
HILBERT, Jerald William Statistical fluctuations of energy deposited by protons in thin layers of low atomic number materials: microdosimetric applications, 23:2674
HILBERT, R. F. High-temperature irradiation behavior of UN, UC, and UO_2, 24:32520
Irradiation behavior of UO_2, 24:32521
Mechanisms of swelling and gas release in uranium dioxide, 25:13785
Role of grain boundaries in swelling of UN at 1600 to 1700°C, 25:4826
Swelling of oxide fuels at high temperatures, 25:32798
Swelling of UC and UN at high temperatures, 25:32855
HILBERT, Richard F. Irradiation behavior of UN at high temperatures, 24:7361
HILBIG, H. Wear studies of Pb bronze sliding bearings, 23:29098
HILBISH, R. T. Frequency conversion in the sheath capacitance of a glow discharge plasma, 23:3486
Harmonic generation using the varactor capabilities of the plasma sheath, 21:15130 (NP-16548)
HILBORN, H. S. Prog. rpt. on heavy water moderated power reactors, 9/67, 21:47008 (DPST-67-83-9)
Prog. rpt. on heavy water moderated power reactors, 1/68, 22:16144 (DPST-68-83-1)
Prog. rpt. on isotopic power and heat sources, 10—12/66, 21:14388 (DP-1094)
Prog. rpt. on isotopic power and heat sources, Pt. I, ^{60}Co, 1—3/67, 21:30627 (DP-1105-1)
Prog. rpt. on isotopic power and heat sources, Pt. I, ^{60}Co, 7—9/67, 22:2306 (DP-1129-1)
Prog. rpt. on isotopic power and heat sources, 9—12/67. I, 22:19043 (DP-1143-1)
Prog. rpt. on isotopic power and heat sources, 1—3/68, 22:30773 (DP-1155-1)

  - Prog. rpt. on isotopic power and heat sources, 4—6/68. I, 23:528 (DP-1169-1)
  - Prog. rpt. on isotopic power and heat sources, 7—9/68. I, 23:6629 (DP-1177-1)
  - Prog. rpt. on isotopic power and heat sources, 10—12/68. I, 23:19903 (DP-1192-1)
  - Prog. rpt. on isotopic power and heat sources, 1—3/69. I, 23:29091 (DP-1196-1)
  - Prog. rpt. on USAEC—AECL cooperative program, 2/68, 22:20808 (DPST-68-83-2)
  - Publications, 1951—67, 22:48805 (DP-929(Rev.1))
  - Publications, 1966, 21:17551 (DP-929(Suppl.3))
  - Publications, 1968, 23:21588 (DP-929(Rev.1)(Suppl.1))
  - Publications, 1969, 24:24943 (DP-929(Rev.1)(Suppl.2))
  - Publications, 1970, 25:57228 (DP-929(Rev.1)(Suppl.3))
- HILBORN, John W. Booster-source rods in heavy water moderated reactor, 25:41372
- HILBRAND, H. Sintering of vapor-deposited films of silver and gold under the influence of adsorbed films, 25:8187 (UCRL-Trans-1411)
- HILCZER, B. Effect of pile-neutron irradiation on dielectric properties of $PbZrO_3$, 25:52930
  - Repolarization in irradiated crystals of triglycine sulfate, 24:11625
- HILCZER, Bozena Effect of neutron irradiation on properties of ferroelectric single crystals of barium titanate, 23:15881
- HILD, W. Homogeneous incorporation of Eurochemic medium level waste and high enriched waste concentrate into bitumen, 25:15865 (NP-18574)
  - Neutralization self-solidification process (N.S.S.P.). Status of development work, 24:44068 (NP-18306)
  - Preparation and properties of a crystalline uranium(IV)—hydrazine nitrate compound, 25:29035 (NP-18736)
  - Prog. rpt. on treatment of medium level waste, 9/66, 21:19881 (NP-16597)
  - Separation of iodine from fission product solutions, 21:36095
  - Treatment of Eurochemic medium level waste by neutralization self-solidification process, 22:23100 (NP-17234)
  - Treatment of EUROCHEMIC medium level waste by Neutralization Self-Solidification Process, 24:22929 (NP-18181)
- HILD, Werner Georg Process for solidifying radioactive wastes by addition of lime to precipitate fluoride, 25:21139
- HILDALGO-SALVATIERRA, Oscar Photobiology of RNA bacteriophages. II, 22:33989
- HILDEBOLT, William Morton Influence of preservation methods on the color and other quality attributes of green beans (Phaseolus vulgaris L.), 24:46689
- HILDEBRAND, B. P. Acoustic halography for nuclear instrumentation, 23:2711
  - Acoustic holography for nuclear instrumentation, 23:6320 (BNWL-SA-2017)
  - Holography for irradiated materials examination, 24:408
  - Potential of holography for irradiated materials testing, 23:21911 (BNWL-SA-2220)
  - Prog. rpt. on biology and medicine, annual, 1969. II, 24:25256 (BNWL-1307(Pt.3))
  - Pulsed-laser holography for analysis of particle size and distribution, 25:26373 (CONF-700601-, pp 213-16)
- HILDEBRAND, C. E. Radiation effects on E. coli, 24:14428
- HILDEBRAND, G. E. H. Nuclear reactor fuel element, 21:15803
- HILDEBRAND, Goesta Erik Fuel element for a nuclear reactor, 21:2905
- HILDEBRAND, J. Motion of electron packets and light bursts in discharge, 23:25330
- HILDEBRAND, J. F. Autoclave corrosion tests of welded and bent steam generator tubes for PSC, 23:29962 (GA-9299)
  - Buttonhead anchorage of tendon wire for the Fort St. Vrain prestressed concrete reactor vessel, 24:52742 (GA-10200)
  - Inspection of thermal barrier in Peach Bottom reactor vessel at 168 and 300 EFPD, 23:28361 (GAMD-8212)
  - Irradiation of stressed prestressing wire coated for corrosion protection, 24:23501
  - Materials selected for Fort St. Vrain prestressed concrete reactor vessel, 25:5883
  - Peach Bottom reactor vessel irradiation surveillance program, 24:4817 (GAMD-9393)
  - Small-scale tendon friction tests, 23:40959 (GAMD-9379)
  - Stress relaxation properties of tendon wire for Fort St. Vrain prestressed concrete reactor vessel, 25:40012 (GA-10555)
  - Tendon fabrication for prestressed concrete reactor vessel at Fort St. Vrain, Colorado, 24:38392 (GAMD-10019)
  - Tests relating to corrosion protection for tendons of public service, 23:52268 (GA-9356)
- HILDEBRAND, J. R. Use of labeled pulser pulses as an aid in monitoring the quality of nuclear physics experiments, 22:23364
- HILDEBRAND, R. H. Calibration of a hydrogen bubble chamber as a spectrometer for low momentum electrons, 22:6594
  - Charge composition and energy spectrum of primary cosmic-ray electrons, 24:5015
  - Estimation of scanning efficiencies for experiments using visual detectors, 23:22093
  - Limit on the $K^+ \rightarrow \pi^+ + \gamma + \gamma$ decay rate, 24:40246
  - Limit on the $K^+ \rightarrow \pi^+ + \nu +$ antiν decay rate, 24:26369
  - Limits on $K^+ \rightarrow \pi^+ + \nu +$ anti ν and $K^+ \rightarrow \pi^+ + n\gamma$ decay rates, 25:45652
  - Measurement of spectrum and asymmetry of low momentum positrons from μ^+ decay, 23:13021
  - Measurement of the low-energy end of the μ^+ decay spectrum, 22:20123
- HILDEBRAND, W. Electron-beam melting and drop casting of tungsten and tungsten alloys, 21:1881
- HILDEBRAND, W. F. Design criteria for PRTR fuel element rupture testing facility, 21:8040 (HW-63863)
- HILDEBRANDT, A. C. Differential sensitivities to gamma radiation of Phylloxera gall and normal grape stem cells in tissue culture, 24:4697
  - Differential sensitivities to gamma radiation of Phylloxera gall and normal grape stem cells in tissue culture, 24:14623
  - Growth and morphology of tobacco cells exposed to ^{60}Co radiation, 22:40961
- HILDEBRANDT, A. F. Superfluid critical-velocity measurements utilizing phase coupling, 25:1083
- HILDEBRANDT, Alvin F. Entrainment of second sound in normal and superfluid He II, 23:27527
- HILDEBRANDT, J. Silver analyzer for discontinuous determination of the silver concentration in emulsion samples, 25:13312
- HILDEBRANDT, P. F. Analysis for ^{210}Pb content of atmosphere, 23:40575
  - Analysis for ^{222}Rn content of atmosphere, 23:40574
  - Tentative method of analysis for ^{131}I content of atmosphere (particulate filter: charcoal gamma), 24:41451
  - Tentative method of analysis for gross alpha radioactivity content of the atmosphere, 24:33793
- HILDEBRANDT, P. W. Uptake and retention of ^{65}Zn from certain foods, 21:28353
- HILDEN, R. H. Damping of the coherent vertical beam instability in the Argonne ZGS, 21:29748
  - Mechanical and electrical components, general over-all operation, and expansion studies of the MURA model heavy liquid bubble chamber, 22:12640 (CERN-67-26(Vol.2), pp 513-49)
  - Photography, expansion dynamics, optical inhomogeneities of the MURA model heavy liquid chamber, 22:12619 (CERN-67-26(Vol.1), pp 263-93)
- HILDEN, Richard H. Apparatus for damping axial coherent beam instabilities in a synchrotron particle accelerator, 22:22518
- HILDENBRAND, G. Nuclear reactor as a pulsed neutron source, 23:28568
- HILDENBRAND, Guenter Fuel cycle in nuclear power stations, 22:14312
  - Fuel elements for power reactors, 23:4223
- HILDENBRAND, K. D. Four-nucleon transfer reaction induced by ^{10}B on ^{12}C, 25:5588
  - Nuclear spectroscopy with heavy-ion-induced transfer reactions, 24:49738
  - Time-of-flight spectrometer for heavy ions, 25:49061
- HILDERBRANDT, Alvin F. Pressure measurements in subcritical pure superfluid helium flow, 22:19913
- HILDING, S. O. Commissioning of Oskarshamn Nuclear Power Station, Unit No. 1, 25:53934 (A/CONF.49/P-302)
- HILDITCH, R. J. Effects of irradiation on beryllia-based fuels, 22:19587
- HILDITCH, T. Effect of extrathyroidal activity on the estimation of radioiodide clearance, 22:23465
- HILDITCH, T. E. Neck extrathyroidal activity of /sup 99m/Tc-pertechnetate, 24:12140
  - Radiation dose in isotope encephalography, 22:51646
  - Study of extra-thyroidal neck radioactivity using a radioisotope scanner, 22:38362
  - Uptake and scanning of the salivary glands in man using pertechnetate /sup 99m/Tc, 21:39460
- HILDNER, Frank J. Irradiation of pulmonary tumor with overlying artificial cardiac pacemaker, 23:29689
  - Isotope quantitation of aortic insufficiency compared to cineangiography in man, 24:9893
  - Isotope quantitation of aortic insufficiency compared to cineangiography in man, 24:21238
- HILDON, M. A. Use of lens masks to improve sensitivity in atomic absorption spectrophotometry, 25:15495
- HILDRETH, E. A. Donor selection for homotransplantation in man, 21:14727
- HILDRETH, G. A. Industrial development and application of Van de Graaff accelerator for neutron radiography, 25:25605
- HILDRETH, Philip E. Developmental effects of x rays on embryos of Drosophila melanogaster, 22:31035
- HILE, R. A. Prog. rpt. on high temperature flat cables, 11/70, 25:37159 (BDX-613-161)
- HILEMAN, J. R. Influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seeds, 24:21072 (RLO-353-40)
  - Influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seed, 25:44964
- HILEY, Basil J. Phase space, fibre bundles, and current algebras, 25:56448
- HILF, C. L. Neutron dosimetry calculations for multiple-cycle irradiations from several dosimeters including ^{58}Ni, 23:35458 (GEMP-699)
- HILF, E. Construction of mass formulas designed to be valid for neutron-rich nuclei, 25:28293 (CERN-70-30(Vol.1), pp 275-306)
  - Equation of state of perfect Fermi gas, 24:37593
  - Hyperon star matter, 24:35000
  - Nuclear curvature energy from threshold energies, 23:31061
  - Surface tension of nuclear matter, 21:7838
  - Thermodynamics of hyperon stars, 25:58521
- HILGARD, Henry R. Dissociation of splenomegaly from graft-versus-host disease by host x-irradiation, 25:13390
  - Synergism of thymus and bone marrow in the production of graft-versus-host splenomegaly in x-irradiated hosts, 24:44449
- HILGARD, Henry Rohrs Graft—host interactions of lymphoid tissues, 25:24068
- HILGARD, P. Investigations about thromboplastic activity: fibrinolysis and precipitation by ^{131}I fibrinogen in experimental tumors, 25:561
- HILGARTH, M. Irradiation changes in epithelium of the Cervix, 25:58140
- HILGEMAN, Theodore William Infrared observations of H II regions, 25:13826
- HILGENDORFF, W. Irradiation rig for irradiating solid specimens, 23:52421
- HILGER, M. T. J. Individualized lung shields constructed from lead shot embedded in plastic, 23:35830
- HILGERS, J. H. C. Strontium-90 β-irradiation, cataractogenicity, and pterygium recurrence, 21:22539
- HILGERS, W. Quasi-continuous measurement of small concentrations of SO_2 in waste gases by soft-γ absorption analysis, 21:23843
- HILGERTOVA, J. Effect of radioprotective substances on glucose-6-phosphate dehydrogenase, 24:12108
  - Nicotinamide adenine dinucleotide phosphate in liver of x-irradiated rats, 21:22770
- HILGEVOORD, J. Five-dimensional aspect of free particle motion, 21:27323
  - Group-geometrical formulation of an SU(3) x SU(3) effective Lagrangian, 24:37851
- HILGNER, Wilfried Spin polarization of low-energy electrons scattered from molecules. II, 23:20720
  - Spin polarization of low-energy electrons scattered from molecules. I, 23:20719
- HILKE, H. J. Formation of particle tracks by ultrasound in a hydrogen bubble chamber, 24:33939
  - Measurement of growth rate for sub-visible bubbles in a bubble chamber, 24:5927
  - Ultrasonic bubble chamber development at CERN, 25:34953 (CONF-700623-(Vol.1), pp 376-89)
  - Ultrasonic helium bubble chamber, 23:7792
- HILKE, H. T. Ultrasonic helium bubble chamber, 23:24464
- HILKE, J. L. Nuclear turbine ASME test code instrumentation, 21:40630
- HILKER, D. Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 21:4892 (UH-235-P-5-2)
  - Prog. rpt. on disinfestation of fruits and vegetables by gamma irradiation, annual, 6/66—5/67, 23:10131 (UH-235-P-5-3)
- HILKER, Doris M. Effect of ionizing radiation on some nutritional and biochemical properties of papaya, 22:45737
  - Effects of gamma irradiation on carotenoid retention in papayas and mangoes, 23:10138 (UH-235-P-5-3, pp 66-9)
- HILKER, H. R. Test reactor operating experience with failure-prone fuel, 25:51183
- HILKER, W. W. Prog. rpt. on high temperature flat cables, 11/70, 25:37159 (BDX-613-161)
- HILKO, R. A. Reactions ^{14}C + α, 25:9980
  - States in ^{18}O, 24:52449
- HILL, A. C. Prog. rpt. on quality control program for counting instruments, 1/1—3/31/68, 23:7735 (IN-1255)
- HILL, A. D. Calculation of photonuclear resonance cross sections by coupled channel reaction theory, 21:15503
  - Elastic and inelastic scattering of 25-MeV alpha particles by ^{31}P, ^{32}S, and ^{40}Ca, 22:48502
  - Inelastic-scattering studies with polarized protons, 22:9834
  - Partial-wave scattering by non-spherically-symmetric potentials. I, 21:37119
  - Scattering matrix analysis of anisotropic electron scattering, 21:24934
- HILL, A. J. Fire detection and suppression in glove box systems, 25:54954 (CONF-710401-, pp 212-20)
  - Fire prevention and protection in hot cells and canyons, 25:42036 (DP-1242)
  - Remote decontamination of equipment in a radiochemical separations plant, 25:57517 (DP-1266)
- HILL, A. J. Jr. Fire prevention and protection in hot cells, 25:4193
  - Fire prevention and protection in hot cells, 25:51785
  - Remote decontamination of equipment in radioisotopes separations plant, 21:6110
- HILL, A. R. Fine-focussed ion machine with applications to implantation, microscopy, and machining, 25:20168
- HILL, Alan G. S. Chromosome damage in patients who have had intra-articular injections of radioactive gold, 25:37766
- HILL, Arthur J. Jr. Automatic fire extinguishing systems for glove boxes and shielded cells at the Savannah River Laboratory, 25:48876 (DP-1261)
  - Removal of sludge from high activity waste tanks, 21:41187 (DP-1093)
- HILL, B. Uncoupling of oxidative phosphorylation by ionizing radiation, 21:16300
- HILL, B. S. Samaria—tungsten cermet impact tests, 22:36536 (SC-DR-68-295)
- HILL, Benny Joe Numerical solution of the Schroedinger equation for ^{3}H, 25:14881
- HILL, C. Installation of flow guard in Enrico Fermi reactor subassemblies, 24:33185
- HILL, C. R. Natural and man-made background radiation, 25:24162
  - Polonium-210: a naturally occurring component of fallout, 21:6468
  - Radiation from ball lightning, 25:11926
  - Studies of α radioactivity in relation to man, 22:2517
  - Tissue dose due to neutrons of cosmic-ray origin, 22:2437
- HILL, C. W. Physical and biological dose calculations for proton and alpha fluxes incident on a shielded-man model, 21:6514
  - Physical and biological dose calculations for proton and alpha fluxes incident on a shielded man model, 21:32634 (ANS-SD-4, pp 67-78)
  - Plane isotropic buildup factors for bremsstrahlung calculations, 21:37530
  - Radiation hazards to Apollo Telescope Mount photographic film, 24:5970
  - Space radiation hazards to photographic film in Apollo Telescope Mount and orbiting workshop, 24:538 (N-69-35123)
  - Space radiation hazards to Project Skylab photographic film, 25:4405 (N-70-32671)
  - Space shielding problems. IV, 21:42150 (NP-16824)
- HILL, Charles A. Hepatic scintiscanning, 22:532

HILL, Charles G. Jr. Prog. rpt. on mechanisms of fallout particle formation, 3/67, 22:51095 (NDL-SP-16)
  Prog. rpt. on mechanisms of fallout particle formation, annual, 3/67, 23:45356 (AD-687275)
  Radioactive liquid waste concentration in a disposable container, 23:21920 (AD-675426)
HILL, Christopher R. Natural radiation, 23:50462 (PHS-999-RH-33, pp 124-7)
HILL, D. Magnitude of the K^0/sub L/—K^0/sub S/, 21:862 (BNL-10608)
  Polarization parameter in backward π^+p elastic scattering at 1.60, 1.80, 2.11, and 2.31 GeV/c, 25:14577
HILL, D. A. Cesium plasma accelerator with diagnostics in visible and vacuum ultraviolet, 22:1158 (LA-3770, Paper E7)
  Cryogenic flux concentrator, 22:29459
  Dynamic proton polarization in butanol water below 1 K, 23:44776
  Measurement of magnetic fields at liquid helium temperatures, 21:708
  Use of chemically doped polystyrene as a polarized proton target material, 21:25369
HILL, D. C. Dislocation cell structure and anomalous critical fields for superconductivity in severely deformed niobium, 24:40001
  Dislocations in fluxon lattice: some atomic calculations, 23:42151
  Experimental tests of proposed relations between the critical field and dislocation cell structure of superconducting Nb, 25:25044
  Internal surface superconductivity in deformed niobium, 24:21749
  Point defects in fluxon lattice, 24:6498
  Superconductivity and dislocation cell structure in niobium: stress effects, 25:36057
  Surface nucleation at abraded superconductor surfaces, 23:51537
HILL, D. G. Bubble chamber film measuring system employing high accuracy image plane digitizers, 23:31550
  Determination of sign of K/sub L/^{0}-K/sub S/^{0} mass difference, 25:45638
  Measurement of K^0—K^+ mass difference, 22:26548
  Measurement of the lifetime of the short-lived neutral K meson, 22:44313
  Molar volumes in LiF—ThF_4 system, 21:19628
  Resolution of the T = 0 Fermi—Yang ambiguity in K—nucleon scattering, 23:46615
  Sign of the K/sub L/—K/sub S/ mass difference, 21:2349
  Single and multiple pion production in π^+n and π^-p interactions at 1.7 GeV/c, 21:33618
  Test of the $\Delta S = \Delta Q$ rule in leptonic decay of neutral K mesons, 22:20120
HILL, D. J. Comparison of experimentally measured and calculated heating rates internal to PAX R-1 reactor, 25:6126
  Comparison of experimentally measured and calculated radiation environment internal to the PAX R-1 reactor, 25:39320
  Estimation of reactivity worth of structures external to NERVA, 21:38636
  Radiation environment internal to the PAX R-1 reactor, 24:33465
  Reactivity measurements as a nondestructive test of NERVA fuel-element composition, 22:6083
HILL, D. P. Seismic-refraction study of crustal structure between the Nevada Test Site and Boise, Idaho, 21:45271
HILL, D. W. Physics applied to anesthesia. VIII, 22:4620
  Pituitary ablation for diabetic retinopathy, 21:22545
  Quantitative assessment of the characteristics of a gamma camera without the use of a multi-channel analyser, 23:9819
HILL, Daniel A. Phenomenological model for the new effect in dynamic polarization, 22:1335
HILL, David Strontium-85 scanning of suspected bone disease, 23:31854
HILL, Dixon Offsite radiological surveillance for Project Gasbuggy, 24:31893
HILL, E. F. Evaluation of the proposed astm method for measuring oxygen in sodium utilizing a round robin program, 24:16411 (APDA-238)
  Feasibility study of in-line detector for hydrogen in sodium, 22:38136 (APDA-222)
  Solubility of hydrogen in sodium, 24:36194 (APDA-241)
HILL, E. L. Prog. rpt. on protection analysis and construction evaluation system, final, 1/13/65—1/15/66, 21:36558 (AD-650930)
HILL, E. R. Continuum survey of the Southern Milky Way, 23:1135
  Gyro and synchrotron radiation in vacuum and isotropic plasma, 25:27706
  Observations of shell-type galactic radio sources, 21:33044
  Observations of shell-type galactic radio sources, 24:1160
  Pulsar energy fluxes at 80 MHz, 25:47252
HILL, Edward L. Prog. rpt. on shelter configuration for ventilation, 7/9/65, 21:8779 (AD-629928)
HILL, Edwin Roderick Pressure variation of the elastic constants of fcc indium—thallium alloys, 23:48394
HILL, Ernest E. Emplacement engineering, 24:41475 (CONF-700101-(Vol.1), pp 68-74)
  Livermore Pool Type Reactor (LPTR), 21:27809 (UCRL-4919(Rev.2))
HILL, Eugene F. Hydrogen in sodium effects, detection, and removal, 25:51075
  Solubility of sodium carbonate in sodium metal, 22:30512
HILL, Eugene Farrell Removing hydrogen from liquid metals, 24:16419
HILL, F. B. Application of chemical reactor design principles to problems of dosimetry in flow systems, 23:35517 (BNL-13766)
  Influence of flow regime on the performance of a continuous tubular radiation chemical reactor, 22:30598
  Radiation-induced chain reactions in flow systems, 23:26264 (BNL-12519)
  Radiation-induced polymerizations in continuous stirred tank reactors, 23:24213 (BNL-13037)
  Radiation-sensitized quartz dosimeter, 22:30869
  Source uniformity and transit dose in a ^{90}Sr—^{90}Y blood irradiator, 24:39116 (PRNC-135, pp 507-14)
  Thermal ignition and stability of batch reactors with nonuniformly-initiated radiation-induced reactions, 25:37405
  Transit dose and source uniformity in a ^{90}Sr—^{90}Y blood irradiator, 24:4616 (BNL-14154)
HILL, F. S. Polyploidy in human leucocyte cultures treated with cysteamine and irradiation, 21:32606
HILL, F. S. Jr. Cardiac scanning and low energy collimators, 23:18070
HILL, Frank B. Design of photoreactors for chain reactions, 24:26857 (BNL-14410)
  Evaluation of HFBR emergency cooling system, 22:32963 (BNL-12476)
HILL, G. Standard stars for five-color photometric system of Dominion Astrophysical Observatory, 25:32881
  Use of radiation sensitive materials on high power accelerators, 25:50459
HILL, G. E. Simultaneous LEED and RHEED studies of growth of Zr on W (100) surface, 25:29847
HILL, George F. Method of casehardening vanadium and vanadium alloys, 25:45020
HILL, Gerald F. Annealing of 22-, 40-, and 158-MeV proton damage in n- and p-type silicon, 23:30617 (N-69-22552)
  Annealing of high-energy proton damage in silicon, 22:46197 (N-68-25392)
  Uniformity of proton beams available at NASA synchrocyclotron (SREL), 22:37231 (N-68-16785)
  Uniformity of proton beams available at NASA synchrocyclotron, 22:51935
HILL, Graham Beta Cephei stars, 21:39720
  Four suspected spectroscopic binaries in Pleiades, 25:58458
  Photoelectric observations of two RR Lyrae stars, 23:6770
  Photometric studies of southern galactic clusters. I, 23:51207
  Photometric studies of southern galactic clusters. II, 24:1226
  Some new variables in nearby associations and galactic clusters, 21:39721
  Spectroscopic and photometric investigation of NGC 7243, 25:24697
  Spectroscopic study of Algol, 25:52517
  Synthesis of close-binary light curves. I, 25:833
  Synthesis of close-binary light curves. II, 25:32933
  Synthesis of close-binary light curves. III, 25:40159
HILL, H. Biological decontamination of highly radioactive milk given to pigs. I, 25:24022
  Profiles of high conductivity shallow layers in silicon produced by boron ion implantation, 21:44164
  Uptake and excretion of radioactive substances by dairy cows, 21:34661
HILL, H. A. New experimental test of Coulomb's law, 25:33623
HILL, H. D. W. Limits of measurement in magnetic resonance, 23:1522
  Nuclear magnetic resonance spectrometer using a superconducting magnet, 23:7895
  Solvent isotope shifts of caesium resonances in dilute salt solutions, 23:17436
HILL, H. H. Boron isotope effect in superconducting zirconium dodecaboride, 22:17548
  Effective size of americium dissolved in lanthanum, 25:13705
  Electrical resistivities of some palladium—rare earth intermetallic compounds, 25:52946 (CONF-711001-(Vol.2), pp 692-703)
  Electrical resistivities of ThPt, UPt, NpPt, and PuPt, 25:33455
  Isotope effect in superconducting γ-U alloys, 22:1111
  Kondo effect in LaPu and PrPu alloys, 25:5227
  Kondo effect in Ti, Zr, and Hf alloys containing Pu, 25:12004
  Metallic valencies of early transactinium metals, 25:11995
  Positive isotope effect on superconducting transition temperature of α-U, 21:43949
  Resistance minima in nondilute Ce—La and Ce—Y alloys, 23:25450
  Resistance minima in nondilute Y—Ce alloys, 23:23297
  Resistance minima in some nondilute rare-earth alloys, 23:8664 (CONF-681020-(Vol.2), pp 847-60)
  Resistance minima in Zr—Pu alloys, 24:45358
  Resistivity minima in Y-stabilized β-Ce alloys, 25:52951
  Superconductivity in β-beryllium and related phases, 21:13476
  Superconductivity of intermetallic compounds U_6Mn, U_6Fe, U_6Co, and U_6Ni and alloys, 22:24202
HILL, H. Hunter Early actinides: the periodic system's f electron transition metal series, 25:11381
HILL, Helene Z. Light effects of Euglena, 23:31892
  Studies of chloroplast development in euglena. XV, 21:9018
HILL, Henry Hunter Isotope effect in α-U, and superconductivity of alloys between U_6Mn, U_6Fe, U_6Co, and U_6Ni, 23:12709
HILL, Hilary Chromosome damage in patients who have had intra-articular injections of radioactive gold, 25:37766
HILL, Hubert M. Statistical methods in chemistry, 22:25359
HILL, I. D. Treatment of radiation sickness with pyridoxine hydrochloride in outpatients, 22:4639
HILL, J. Preparation of actinide bromides and bromo-complexes, 24:16510
  Properties of actinide tetrahalide—phosphine oxide complexes, 24:16527
HILL, J. C. Evidence of metastable atomic and molecular bubble states in electron-bombarded superfluid liquid helium, 25:45388
  Mean lifetimes of levels in ^{93}Mo, 25:31377
HILL, J. Carver Cycle-allocation disciplines for multiaccess memory systems, 25:10408 (UCRL-72648)
  PORT MULTIPLEXOR interface notes, 21:40754 (UCID-15183)
HILL, J. E. Rocky Flats respirator-fitting program, 21:8803 (RFP-810)
HILL, J. F. Education and training of engineers in the UKAEA, 24:9213
HILL, J. G. Numerical solution of the unsteady radiative-transfer equation, 25:59114
  Theory of resonance escape in heterogeneous fuel. III, 21:15708
HILL, J. H. Flashblindness: the effects of preflash adaptation and pupil size, 21:18070 (NADC-ML-6508)
  Flashblindness: the effects of preflash adaption and pupil size, 21:32779
  Interpreting the chemical results of the Gasbuggy experiment, 24:41504 (CONF-700101-(Vol.1), pp 794-814)
HILL, J. M. Effects of expanding nuclear power on production of nuclear fuels, 23:13511
  Gravitational deflection of radio waves by Sun, 25:58662
  Integration of thermal and fast reactors in a nuclear power programme, 22:1802
  Select committee on science and technology, 23:13613
HILL, J. Roger G matrix interaction in the 1p shell, 22:27295
  G-matrix interaction in the nuclear 1p shell, 22:7773
HILL, J. S. Superconductive properties and structure of vacuum-deposited tin films, 24:40014
HILL, J. W. Containment of high-density plasma, 23:32328
  Plasma heating by neutral injection in a stellarator reactor, 25:30455 (EUR-4593, pp 479-84)
  Potassium beam probe for the measurement of electron density, 21:23162 (CLM-R-68)
HILL, James A. Economic selection of undersea powerplants, 25:44180
HILL, James Carver Priority structure for multiaccess memory systems, 23:45172 (UCRL-50701)
HILL, James Roger Effects of Feingold three-body vector operator in level structure of nuclear 1p shell, 22:30108
HILL, John Nuclear power in United Kingdom, 25:53899 (A/CONF.49/P-467)
  Prospective peaceful uses of nuclear energy in the year 1970, 25:46239
HILL, John C. Decay of ^{145}Eu, 21:13871
  Decay of ^{147}Nd, 21:27595
  Decay of ^{147}Nd, 23:11036
  Decay of ^{159}Gd, 22:27106
  Decay of ^{203}Hg, 25:34088
  Decay of ^{51}Cr, 24:3899
  Decay of ^{55}Cr, 25:3607
  Levels in the N = 82 nucleus ^{139}La populated in ^{139}Ba decay, 22:53180
  Some new features in decay of ^{142}Pr, 22:32605
HILL, John Christian Decay scheme of ^{145}Eu, 21:34019
HILL, John H. Cathodic etching to prepare metals for oxygen determination, 21:4439 (UCRL-70056)
  Cathodic etching to prepare metals for oxygen determination, 24:17249
  Chemical analysis of Gasbuggy rock, 23:2184 (PNE-G-23)
  Chemical analysis of samples from Interoceanic Canal Route 17, 23:17318 (UCRL-50555)
HILL, K. J. Harwell 150 keV heavy ion accelerators, 25:44538 (BMBW-FBK-70-28, pp 576-83)
  Harwell 500 keV Cockcroft Walton accelerator, 25:44539 (BMBW-FBK-70-28, pp 584-90)
  Harwell 80 keV heavy ion accelerator, 25:44540 (BMBW-FBK-70-28, pp 591-5)
  Harwell Sputtered Ion Gun, 24:25158 (AERE-R-6343)
  Sputtered ion gun, 24:45689
HILL, K. L. Index to experimental data of neutron-induced reactions, 25:28356 (UCRL-50400(Vol.3))
  Integrated system for production of neutronics and photonics calculational constants. I, 22:29832 (UCRL-50400(Vol.1))
  Integrated system for production of neutronics and photonics calculational constants. II, 25:25611 (UCRL-50400(Vol.2))
HILL, Kenneth Jeffery Improvements in or relating to ion sources, 21:21365
  Sputtering ion source for producing an ion beam comprising ions of a solid material, 22:44550
HILL, L. L. Inelastic electron scattering in ^{33}S, 21:21490
  Particle-hole calculations for ^{40}Ca, 21:42599
HILL, Lemmuel LeRoy Jr. Application of the particle-hole model to electroexcitation and muon capture in light nuclei, 22:26926
HILL, Leslie R. Energy partitioning during hypervelocity impact on rocks, 25:26354 (SC-R-70-4402)
HILL, M. Incorporation of ^{3}H-thymidine into DNA of x-irradiated mammalian cells, 22:36202
  Long-cusp containment experiment, 22:1140 (LA-3770, Paper G4)
  X-ray-induced DNA degradation in mouse L cells, 23:45651
HILL, M. L. Evaluation of coated B66 Nb alloy at elevated temperatures, 22:17131
HILL, M. R. H. Mechanism of adsorption of rare earth cations on to surfaces from very dilute solution ("radiocolloidal" adsorption), 22:47109 (AERE-R-5323)
  Radiation induced polymerization of vinyl acetate. I and II, 22:12336 (AERE-R-3428)
HILL, M. W. Gamma-ray transitions in ^{58}Fe, 21:7723 (BNWL-SA-315)

HILL, Marjorie J. Low-frequency electron spin resonance of irradiated ice and frozen solutions of hydrogen peroxide, 22:23049

HILL, Martin J. Acid-catalyzed isomerization of cis-1-phenyl-1,3-butadiene and cis-1-methyl-3-phenylallyl alcohol, 25:18405
  Acid-catalyzed rearrangement of 1-phenyl-3-methyallyl alcohol, 23:31334
  Deuterium isotope effects in acid-catalyzed hydration of 1-phenyl-1,3-butadiene, 24:5669

HILL, Maynard L. Materials for small radius leading edges for hypersonic vehicles, 22:12982

HILL, Meredith R. Bibliography of the technical literature of the Metals and Ceramics Division for 1969, 25:614 (ORNL-4270(Vol.2))

HILL, N. A. Applications of high temperature data in industry, 25:45128
  Measurements of k infinity for a PuAl-thoria supercell, 21:8093
  Measurements of neutron multiplication factor for PuAl—thoria, 21:35703 (BNWL-SA-769)
  Processing beryllia powder for sintering to high density, 23:34065
  Properties of BeO containing up to 15 wt percent SiC and up to 2 wt percent MgO, 21:20566

HILL, N. W. Absolute efficiency measurements of ^{213}Ne organic phosphors for detecting 14.5- and 2.7-MeV neutrons, 22:23295
  Calibration of an organic scintillator for neutron spectrometry, 23:682
  Charge-sensitive preamplifier for simultaneous use with fast amplifiers for charged-particle studies, 24:4447
  Differential cross sections for charged particles produced by 60-MeV protons of C, Fe, and Bi, 22:41952 (ORNL-4274)
  Differential cross sections for production of protons in reactions of approximately 160-MeV protons on nuclei, 22:18136
  Simple time-of-flight transmission measurement for incorporation in nuclear engineering curricula, 25:41161

HILL, Nathanial W. Four parameter E vs dE/dx and time-of-flight computerized charged particle experiment, 22:28086

HILL, Otto H. Effect of environmental hydrogen pressure on the hydrogen yield from x-irradiated polyethylenes, 21:21980

HILL, P. Liquid scintillation spectrometer data processing, 24:36611

HILL, P. R. Acceleration of fixed source and upscatter problems, 23:37729
  Multimegawatt thermionic reactor systems for space applications, 22:32933 (CONF-680508-2)
  Optimal power flattening in criticality bound thermionic reactors, 24:7256
  Theory of thermionic converter operation with applications to thermionic reactor analysis, 22:36775 (CONF-680508-4)
  Thermionic reactor critical experiment, 24:7253
  Use of multidimensional least-squares techniques in reactor parametric studies, 22:6151

HILL, P. W. Faint blue stars in the far southern hemisphere, 21:33065
  Photometry and spectral classification of early-type stars away from the galactic plane, 24:48927
  Radial velocities of southern B stars. V, 25:55697

HILL, Paul R. Thermionic converter cells for nuclear reactor, 25:60197

HILL, Philip C. How a state health agency prevents occupational disease, 21:22451

HILL, R. Effect on scintillation efficiency of NaI(Tl) of changes in Tl concentration and strain. I, 21:1580
  Effect on scintillation efficiency of NaI(Tl) of changes in Tl concentration and strain. II, 21:1579
  Factors influencing the retention of an oral dose of radioactive manganese by the chick, 22:8471
  Regional pulmonary function, 24:29805

HILL, R. A. Rapid scan spectrometers for the diagnostics of transient plasmas, 23:1385
  Spectral temperatures of nonuniform plasmas, 23:16785
  Stark broadening of H/sub β/, H/sub γ/, and H/sub delta/: experimental study, 21:44043
  Stark broadening of H/sub β/, H/sub γ/, and H/sub delta/, 25:16784
  Stark-profile calculations for first four hydrogen Balmer lines, 24:48999 (SC-M-70-584)
  Study of an expanding hydrogen plasma with a rapid scan spectrometer, 23:39453
  Unsteady one-dimensional diffusion in a uniform flow, 24:36127 (SC-DR-70-369)

HILL, R. D. Do K^- meson absorptions by heavy nuclei imply a neutron halo, 23:13342
  Excitation of extremely low frequency sferics, 25:38237

HILL, R. E. Measurements of C/sub NN/ in proton—proton scattering, 21:37686
  Neutron polarization in π^-p charge-exchange scattering at 310 MeV, 24:49328
  Polarization of Σ^- in $\pi^- + p \rightarrow \Sigma^- + K^+$ at 1130 MeV/c, 23:18814
  Scattering of K^- mesons from a polarized proton target, 24:3531
  Scattering of π^- mesons from polarized proton target, 24:3532
  Still another unsuccessful search for ^{5}H, 22:53080

HILL, R. F. Effects of very soft x-rays on bacterial spores, 23:48262 (NYO-2740-6, pp 327-44)

HILL, R. L. Means for the scintigraphic imaging of regional brain dynamics, 23:48148

HILL, R. M. Conceptual study of disassembly—reassembly equipment for examination of FFTF core components and test assemblies, 24:11269 (ORNL-TM-2759)
  Cyclotron echo measurement of electron momentum and energy relaxation in plasmas, 22:31836
  Cyclotron echoes in plasmas, 21:23186
  Infrared absorption by hydrogen bonds in single crystal KH_2PO_4, KD_2PO_4, and KH_2AsO_4, 22:16532
  Stimulated emission from the upper-hybrid resonance in a magnetoplasma, 21:33420

HILL, R. O. Use of deactivated Hanford reactor control center for operator training simulator, 23:43211 (DUN-SA-88)

HILL, R. P. Lung-colony assay to determine the radiosensitivity, 23:45866
  Response of tumor and normal tissue in mouse exposed to fast neutrons or electrons, 25:24399

HILL, R. W. Cardiac scanning and low energy collimators, 23:18070
  GIRLS: general indexing in reciprocal lattice space, 25:6240 (NLCO-1066)
  Low energy cosmic x-ray proportional counter system, 22:38022
  Low-temperature heat capacity of $CeAl_2$, 23:48989
  Preparation of large plastic films for proportional counter windows, 25:21417
  Rocket-borne celestial x-ray proportional counter system, 25:39707 (UCRL-51007)
  Scorpius XR-1: some x-ray and optical observations, 24:46927
  Search for soft x-rays from the galaxy, 23:10373
  Soft particle flux above 130 km at midlatitude, 25:7283
  Soft x-ray spectra of three cosmic sources, 24:12547
  Soft x-ray spectrum of Sco XR-1, 23:5136
  Soft x-rays from the Cygnus Loop, 24:37068
  X-ray airglow in the daytime sky, 23:3395

HILL, Rexford L. Digital data acquisition system for nuclear medicine, 22:40809

HILL, Robert C. Method and apparatus for x-ray fluorescence gauging of a higher atomic number selected element in a coating on a base, 23:9783

HILL, Robert F. Neutronic device, 23:7699
  Thermionic emitters consisting of BaO—UO_2 dispersed in a W matrix, 21:27034

HILL, Robert M. Cyclotron echo study, 23:25393 (AD-678840)

HILL, Robert Nyden Exactly solvable electrodynamic two-body problem, 24:52174
  Instantaneous action-at-a-distance in classical relativistic mechanics, 21:18849
  Instantaneous interaction relativistic dynamics for two particles in one dimension, 24:35689
  Unique canonical representation of the inhomogeneous Lorentz group in relativistic particle dynamics, 21:3948

HILL, Roger C. General form of representations of the current algebra in the two-quark model, 22:46391

HILL, Roger Calvert Relativistic quark models and the current algebra, 23:39717

HILL, Roger E. Pi^-p elastic scattering between 1.7 and 2.5 GeV/c, 24:28497

HILL, Russell J. Development and properties of cast B/Al composites, 23:48552
  Oxidation resistant, high temperature ceramic-to-metal seal compatible with Cs, 21:34949

HILL, Ruth F. Location of genes controlling excision repair of UV damage, 24:25442
  Radiation effects on bacteria and bacteriophage, 23:48014 (NYO-2740-6, pp 269-302)
  Radiosensitive and radioresistant mutants of E. coli, 22:592
  Uv effects on E. coli, 23:2814

HILL, S. M. B. Assessment of whole-body integral dose following accidental radiation exposure, 23:12110
  Care of persons accidentally overexposed to ionizing radiations, 24:7944
  Medical supervision of radiation workers, 25:13465
  Medical surveillance following radiation over-exposure, 25:533

HILL, S. O. Migration and dispersal patterns of ^{59}Fe-labeled lone star ticks, 22:12776

HILL, S. R. Faint blue stars in the far southern hemisphere, 21:33065

HILL, S. S. ph control of alkaline waters by ion-exchange using a single mixed bed, 22:14470 (AERE-M-1829)
  Studies on low temperature aqueous corrosion of mild steel under reactor radiation. I, 23:7404
  Studies on low temperature aqueous corrosion of mild steel under reactor radiation. II, 23:20477

HILL, T. Intermediate in degradation of DNA alkylated with monofunctional alkylating agent, 24:29117 (COO-2040-2)

HILL, T. J. Radioautographic processing sequence for coverslip monolayer tissue cultures labelled with tritiated thymidine, 21:11073

HILL, T. W. Location of neutral line in magnetotail, 25:7276

HILL, Thomas Waddell Effect of terms quadratic in Riemann tensor on field equations of general relativity, 21:2344

HILL, V. G. Hydrothermal growth of beryllium oxide single crystals, 22:19616
  Subsolidus stability relations in system $KTaO_3$—$KNbO_3$, 23:27198

HILL, V. L. Development of oxidation-resistant hafnium alloys, 25:52295 (AD-720724)
  Metallic coating systems for Ta, 23:48336

HILL, V. R. Development and results of an electrically heated seven-pin bundle assembly for thermal hydraulic testing in liquid metals, 25:10207 (BNWL-SA-3286)
  Fast reactor fuel assembly thermal hydraulic development program, 24:22446 (BNWL-1136)
  Temperature distributions in liquid metal fast breeder reactor fuel assemblies, 25:51099 (WHAN-SA-86)

HILL, W. F. Jr. Survival of uv-irradiated poliovirus in flowing turbid seawater, 21:28702

HILL, W. G. Genetic method for tsetse fly control, 24:32320

HILL, William F. Jr. Ultraviolet devitalization of eight selected enteric viruses in estuarine water, 24:34789

HILL, William Watson Jr. Ionization time in shock-heated Ar by Langmuir probe technique, 22:31794

HILL, Wilma S. Prog. rpt. on marine products development irradiator program: irradiated fresh shrimp shipping studies, annual, 10/67—9/68, 25:27138 (TID-25543)

HILLAIRET, J. Low-temperature neutron radiation damage and recovery in magnesium, 23:3606
  Recovery of fcc and hexagonal metals after low-temperature irradiation, 22:1306
  Study of defects produced in beryllium by irradiation at low temperature, 23:14371 (WAPD-Trans-107)
  Turbo-blowers of Saint-Laurent-des-Eaux nuclear power station, 24:28869

HILLAIRET, Jacques Influence of defects created by neutron irradiation at 80°K on the elastic moduli and internal friction of Mg, 24:51183 (CEA-CONF-1621)
  Internal friction and modulus changes due to the defects created in magnesium by neutron irradiation at low temperature, 24:42160 (CEA-R-4033)
  Study of defects produced by neutron irradiation at 78°K in Al—Li alloys, 22:28865
  Study of defects produced in beryllium by irradiation at low temperature, 22:28866

HILLAND, Carl Boyd Pulsed high-density kilovolt plasma employing noncylindrical Z pinch, 25:14359

HILLARY, J. J. Air cleaning for reactors with vented containment, 21:31919 (CONF-660904-Vol.1 and 2, pp 419-52)
  Experience in testing installed fission product trapping plant with methyl iodide, 22:6807 (TRG-Report-1548)
  Fission-product removal for reactors with vented containment, 22:18462

HILLAS, A. M. Energy spectrum of cosmic rays in an evolving universe, 21:29030

HILLE, Einar Thomas—Fermi equation, 23:22937

HILLE, F. Instruments available for safeguarding fuel fabrication plants, 25:21300

HILLE, M. Energy dependence to level densities in A = 30 to 65 mass range, 23:21321
  Half-life of /sup 108m/Ag, 24:1855
  Precision-measurement of ^{27}Al(n,α) cross section for 14.43-MeV neutrons, 25:5641

HILLE, P. Competing gamma emission with the (n,2n) reaction on ^{52}Cr, 21:2674
  Detection and effective cross section of a (n,2α) reaction on ^{39}K with 14-Mev neutrons, 22:50579
  Half-life of /sup 108m/Ag, 24:1855
  Investigation of previously described ^{198}Ir 50-sec activity and decay of ^{198}Ir, 21:2693
  Isomer ratio from the ^{203}Tl(n,2n)/sup 202m,g/Tl reaction and half-life of /sup 202m/Tl, 21:46737
  Lack of evidence for shell effects in (n,2n) cross sections, 22:7672
  Measurement of (n,2n) cross section in heavy nuclei, 24:40624
  Measurement of (n,2n) cross sections of heavy nuclei, 22:50649
  Measurement of some (n,n'γ)-cross-sections and their connection with (n,2n)-reaction mechanism, 22:13966
  Measurement of some capture cross sections for fast neutrons, 24:26625
  Measurement of the (n,2n) cross sections on heavy nuclei, 24:26667
  New decay scheme for Ir, 21:2727
  Production of short-lived activities with 14-MeV neutrons and determination of activation cross section, 22:53123
  Ratio of the effective cross sections for the formation of a 608-μ sec isomer and the ground state of ^{203}Tl by (n,2n) reactions with 14-MeV neutrons, 22:48545
  Reaction (n,2n) on light and intermediate nuclei, 21:2673
  Reaction cross sections for ^{76}Se(n,2n)^{75}Se, ^{76}Se(n,p)^{76}As, and ^{75}As(n,2n)^{74}As at E/sub n/ approximately 14 Mev, 21:2675
  Reactions (n,n'γ) on ^{79}Br, ^{89}Y, ^{176}Yb, and ^{197}Au in connection with the (n,2n) reaction mechanism, 23:7249
  Role of the isospin in (n,2n) nuclear reactions, 23:7253
  Roll of isospins in (n,2n) nuclear reactions, 25:38966
  Simple method for measurement of isomeric nuclear states in the half life region of 50 μ s to 1 ms, 21:2728
  Systematics of (n,α), (n,p), and (n,2n) cross sections of medium-heavy nuclei, 24:26668
  Systematics of capture cross sections of fast neutrons, 25:46070
  The (n,2n) reaction cross section, 21:5510

HILLE, Peter Reaction cross sections of medium weight nuclei for 14.5-MeV neutrons, 25:3643
  The (n,2n) cross section of ^{52}Cr, 21:5524

HILLEBRANDT, W. Hyperon stars, 24:46850
  Neutron-star models and nuclear forces, 25:49615

HILLECKE, D. Ionization coefficients of rubidium atoms on tungsten and platinum surfaces, 22:52496

HILLEL, Roger Preparation of boron selenide, B_2Se_3, 22:2683

HILLEMAN, M. R. Prevention of SV_{40} virus tumorigenesis, 21:20352

HILLENBRAND, B. Coexistence of superconductivity and ferromagnetism in mixed crystals, 24:28178
  Compensation of external magnetic field by an internal field in a superconductor, 25:56074
  Preparation and superconducting behavior of $CeRu_2$, 24:30287
  Preparation and superconductivity of $CeRu_2$, and its Gd, Mn, Fe, Co, and Ni-containing mixed phases, 25:30413 (LA-tr-71-26)
  Superconductivity and magnetism in mixed phases of the type Me/sub x/Ce/sub 1-x/Ru_2 and Ce(Ru/sub 1-x/Me/sub x/)$_2$, 25:33197
  Superconductivity in rare earth—Ru Laves phases, 25:1135

HILLENDAHL, R. W. Observational confirmation of a mechanism for the production of extended stellar atmospheres, 25:11571
  Radiation-hydrodynamic phenomena in the atmospheres of luminous stars, 24:4913

HILLENDAHL, Richard W. Thermal radiation phenomena. V, 23:16029 (AD-672837)

HILLENDAHL, Richard Warren Atmospheric phenomena in classical cepheids, 24:8233

- HILLER, G. Influence of inelastic scattering on anomalous electron transmission in gold foils, 24:39817
- HILLER, M. A. Behavior of F^- interstitials during reduction of Dy^{3+} ions in calcium fluoride, 21:40910
- HILLER, S. Breeding of ^{239}Pu in irradiated UO_2, 23:6046
  - Gamma-spectrometric burnup determination in reactor fuel rods, 25:18248
- HILLER, S. A. Kinetics of deuterium exchange of furan and methylfurans in dimethylsulfoxide, 22:45042
- HILLER, W. Viewpoints concerning techniques and metallography of the metallurgy of granular material, 25:55404
- HILLIAR, R. A. Relative inhalation hazards from nuclides present in fresh irradiated fuel, 22:51572 (RD/B/N-1143)
- HILLIARD, J. E. Conference on local atomic arrangements studied by x-ray diffraction, Chicago, 2/65, 21:33539
- HILLIARD, R. K. A natural-convection model for predicting elemental iodine transport in containment vessels, 23:4279
  - Absorption of methyl iodide by sodium thiosulfate sprays, 24:5723
  - Cladding integrity of NPR fuel elements above U melting point, 21:8117 (HW-70652)
  - Comparison of iodine containment behavior: simulated aerosol vs irradiated sources, 21:38700
  - Comparisons of containment behavior of simulant with fission products released from irradiated UO_2, 22:25123 (BNWL-581)
  - Containment systems experiment, 22:35591 (BNWL-SA-1863)
  - Effect of spray flow rate on washout of gases and particles in the containment systems experiment, 25:54154 (BNWL-1591)
  - Fission product transport by natural processes in containment vessels, 23:15652 (BNWL-943)
  - Large scale air cleaning tests in the containment systems experiment, 25:18183 (WHAN-SA-39)
  - Large scale air cleaning tests in the containment systems experiment, 25:20782 (CONF-700816-(Vol.1), pp 102-27)
  - Large scale air cleaning tests in the containment systems experiment, 25:26002 (BNWL-SA-3355)
  - Large-scale spray tests in the containment systems experiment (CSE), 22:32795
  - Natural transport effects on fission product behavior in the containment systems experiment, 25:12803 (BNWL-1457)
  - Removal of airborne fission products by containment sprays, 23:37600
  - Removal of airborne fission products by recirculating filter systems in the containment systems experiment, 25:54153 (BNWL-1587)
  - Removal of I and particles from containment atmospheres by sprays, 24:22422 (BNWL-1244)
  - Removal of iodine and particles by sprays in the containment systems experiment, 25:25995
  - Removal of iodine forms by sprays in the CSE containment vessel, 24:33420
  - Scavenging of aerosol particles by sprays, 25:26372 (CONF-700601-, pp 187-204)
  - Survey of alpha waste generation and disposal as solids in the U. S. nuclear fuel industry, 25:13188 (BNWL-B-34)
- HILLIARD, W. G. Effect of feeding irradiated onion to consecutive generations of the rat, 21:43545
  - Effect of feeding irradiated onion to the rat for 1 year, 22:23693 (AECL-2706, pp 114-21)
  - Effects of feeding irradiated onion to rats and pigs, 21:43549
  - Long-term effects of feeding irradiated onion to dogs, 21:43548
- HILLIER, C. A. E. High magnetic fields and ultra low temperatures, 22:21247
- HILLIER, M. Performance of targets in sealed-off neutron tubes, 22:37247
- HILLIER, R. R. Attempt to detect x-ray pulses from the Crab Nebula, 23:25054
  - Inverse Compton effect in quasi-stellar sources, 21:6944
  - Low-energy gamma rays from NP 0532, 25:9062
  - Sky scan for discrete sources of γ rays, 23:20600
  - X-ray spectrum of the Crab Nebula between 20 keV and 3 MeV, 24:51309
- HILLIG, O. R. Neutron radiographic inspection of irradiated SNAP fuel, 24:16806 (CONF-690910-, pp 540-50)
  - Neutron radiography development program for SNAP-8 fuel elements, 25:4252
- HILL II, R. C. Method of differential field photometry by video-photographic image subtraction, 25:47276
- HILLION, H. Induced and spontaneous cerebral electrical activity in adult rabbits subjected to whole-body gamma irradiation, 25:21833 (CEA-CONF-1720)
- HILLION, P. Alternative to quarks, 24:49565
  - Calculation of solid angle between source and detector, 21:43266
  - Local Wigner—Eckart theorem as a theorem with class, 23:46757
  - Methods of calculation in studies on radioprotection, 23:35740
  - Relativity and quanta, 24:20222
  - Unitary representations of SU/sub p,q/ groups, 21:46562
- HILLION, Pierre Conform group, field equation covariance, and dimensional analysis, 23:34638
  - Conformal invariance in classical mechanics, 24:52178
  - Fourier analysis of SU(2,1) group, 23:3773
  - Poincare-like group associated with neutrino physics, 24:37835
- HILLIS, William D. Genetic effects of radiations in human populations, 25:11025
- HILLMAN, Donald A. Measurement of plasma cortisol in children and adults, 24:19283
- HILLMAN, M. Cross sections of some reactions of Hf isotopes with 14.5-MeV neutrons, 23:19263
  - Production of ^{52}Fe for medical use, 25:13063
  - Production of radioisotopes by spallation, 24:9594 (BNL-50195)
  - Production of radioisotopes by spallation, 24:50421
  - Scandium generator, 21:32237
- HILLMAN, Manny Chemical effects of isomeric decay of /sup 127m/Te and /sup 129m/Te in aqueous solution, 25:32029
  - Isotope effects in Szilard—Chalmers reactions of Hf and Zr phthalocyanine, 23:4673
  - Relative yields of /sup 58g/Co, /sup 58m/Co, and ^{56}Co produced by low-energy tritons, 23:19205
  - Shell-model combinatorial calculations of nuclear level densities, 24:11051
  - Szilard—Chalmers reactions of zirconocene dichloride and of hafnocene dichloride, 24:16576
  - Tellurium isomer generators, 21:12493 (BNL-9821)
- HILLMAN, P. Critique of the method of measurement of magnetic moments of nuclei embedded in ferromagnetic foils, 21:38388
  - Moessbauer effect to measure small vibrations, 21:34619
  - Precession measurements following Coulomb excitation with O ions. V, 22:18279
- HILLMANN, H. Influence of structure on superconductivity of NbTi 50 and NbTi 65, 23:1352
  - Multicore superconductors for laboratory-scale magnets and for big magnets, 25:11831
- HILLMANN, Hans Nature, size, and distribution of lattice defects and their influence on the high-field properties of the type III superconductor Nb—Zr 25, 21:16609
  - Technology of hard superconductors, 23:23029
- HILLNER, E. Is ball lighting a nuclear phenomenon, 25:7397
  - Oxidation of Zr in dry O, 21:16566
- HILLNHAGEN, E. Metallographic investigations on WC single crystals, 21:16648
- HILLNHAGEN, Emil Fatigue tests on Co—Cr—W—Ni alloy, 22:678
  - Stereometric electron metallography on WC—Co alloys, 24:8135
- HILLOVA, J. Determination of ^{90}Sr in milk and cottage cheese, 25:42386
  - DNA synthesis and changes in radiosensitivity during the cell cycle of vegetative culture of Chlamydomonas reinhardii, 24:34760
  - Inhibitory effect of iodoacetamide on recovery from sub-lethal damage in Chlamydomonas reinhardti, 22:40963
  - Investigation of ^{222}Rn concentration in oncological department of regional hospital with polyclinics in Ostrava, 23:18035
  - Viral RNA synthesis in chicken cells infected with uv irradiated Newcastle disease virus, 23:47960
- HILLOVA, Jana Failure of recovery from sub-lethal damage after uv irradiation in Chlamydomonas, 22:36404
  - Recovery of x-ray induced damage in Chlamydomonas Reinhardi, 23:12236 (AEC-tr-6646/4A, pp 11-15)
- HILLS, Claude H. Reduction of the microbial population of apple cider by ultraviolet irradiation, 23:20456
- HILLS, D. A. Production of nanosecond-pulsed He^{++} beam from standard 5.5 MeV Van de Graaff accelerator, 24:13256
- HILLS, G. Use of structural models in developing pressure vessel design, 23:11211
- HILLS, Howard Kent Energetic electron intensities in Earth's outer radiation zone, 22:29379
- HILLS, J. G. Nature of far ultraviolet excess in nucleus of M31, 25:33022
  - Planetary companions of pulsars, 24:35078
  - Temperature and luminosity of the white dwarf BD + 16°516B, 25:22265
- HILLS, Jack Gilbert Origin and dynamical evolution of the solar system, 25:4921
- HILLS, Lorin P. Metastable ions and isotope effects in the mass spectra of methane and the deuteromethanes, 25:31919
- HILLS, P. R. Cytotoxicity of carbohydrates heavily irradiated in solution, 21:39353
  - Evaluation of methods for detection of irradiated horse-meat, 21:32084 (AERE-R-5461)
  - Products of the radiation initiated sulphoxidation of dodecane, 21:27992 (AERE-R-5434)
  - Radiation polymerisation of impregnated porous material, 25:55658
  - Radiation polymerization of impregnated fibrous materials, 23:35126 (AERE-R-6090)
  - Radiation polymerization of impregnated fibrous materials, 24:13940
  - Radiation-initiated carboxylation of cyclohexane, 21:1373 (AERE-R-5236)
  - Radiation-initiated formation of polysulphones in systems containing 1:3-butadiene, 24:11542 (AERE-R-6223)
  - Tracer determination of radiolytic CO_2 by gas counting, 21:3 (AERE-R-5253)
  - Use of wood—plastic composites by the flooring industry, 24:12492 (AERE-M-2269)
- HILLS, R. E. Studies in stellar evolution. IX, 24:19575
- HILLS, Richard Optical timing of pulsar NP 0532 in Crab Nebula, 24:46918
- HILLSINGER, William R. Dosage tolerance of pelvic structures with ^{60}Co rotation radiation therapy, 25:26894
- HILLSON, C. J. Occurrence of gamma ray induced accessory ovules in Coleus blumei benth, 23:29900
- HILLSTROM, K. E. Comparison of several adaptive Newton—Cotes quadrature routines in evaluating definite integrals with peaked integrands, 23:21584 (ANL-7511)
  - Performance statistics of FORTRAN IV (H) Library for IBM System/360, 21:34180 (ANL-7321)
- HILLSTROM, Kenneth E. Performance statistics for the FORTRAN IV (H) and PL/I (Version 5) libraries in IBM OS/360 Release 18, 24:47992 (ANL-7666)
- HILLYER, D. F. Evaluation of natural frequencies of combined simple systems, 23:13608 (UCRL-50513)
- HILLYER, David F. Identification of dynamic systems from experimental data, 25:23496 (UCRL-72818)
  - Identification of dynamic systems from experimental data, 25:31752 (UCRL-72818(Rev.1))
- HILLYER, George V. Immunoprecipitins in Schistosoma mansoni infections. III. Cercopithecus sabaeus and Macaca mulatta monkeys exposed to irradiated cercariae and subsequently challenged, 25:32369
- HILPERT, H. G. Multipion and strange-particle photoproduction on protons at energies up to 5.8 GeV, 24:18068
  - Photoproduction of meson and baryon resonances at energies up to 5.8 GeV, 22:39235 (DESY-68/8)
  - Photoproduction of meson and baryon resonances at energies up to 5.8 GeV, 23:5521
  - Photoproduction of negative pions on neutrons, 23:13024
  - Photoproduction of rho^0 mesons on deuterons between 1 and 5 GeV, 24:40225 (DESY-70/16)
  - Photoproduction of rho^0 mesons on deuterons between 1 and 5 GeV, 25:3246
  - Photoproduction of rho^- mesons on deuterons between 1 and 5 GeV, 25:1381
  - Photoproduction of vector mesons on protons at energies up to 5.8 GeV, 22:32044
  - Reaction $\gamma p \rightarrow N^{*++}\pi^-$ at energies up to 5.8 GeV, 21:7449
  - Total cross section for photoproduction of hadrons on protons up to 5 GeV, 22:41721 (DESY-68/31)
  - Total cross section for photoproduction of hadrons on protons up to 5 GeV, 22:50278
- HILSCH, P. Influence of dielectric films on superconductivity of thin Sn and Tl films, 21:20897
- HILSCH, R. Antiferromagnetic spin ordering of paramagnetic additives in superconductors, 22:13404
  - Coherence effects in double layers of different superconductors, 22:13393
  - Superconducting lead layers with addition of transition metals and their oxides, 22:13402
  - Superconductivity of disordered films of Hg, 25:17109
- HILSCHER, D. Comparison of vector analyzing power of T(d Vector,n) reaction with mirror reaction ^{3}He(d Vector,p), 25:53560
  - Neutron-induced reactions on silicon, 22:26967
  - Neutron-proton correlations in reaction $^{12}C(d,np)^{11}C$, 22:5765
  - New method to measure neutron polarizations with energy discrimination, 22:2467
  - Polarization of neutrons from reaction $^3H(d,n)^4He$, 21:38216
  - Polarization of neutrons from reaction $^{15}N(d,n_0)^{16}O$ at E/sub d/ = 4.35 and 5.50 MeV, 21:46673
  - Reactions (d,n) on ^{11}B, ^{14}N, and ^{15}N, 25:3574
  - Vector analyzing power of l/sub p/ = 1 (d,n) reactions on B, N, and Y, 25:53652
- HILSCHER, H. Analogy between radiative pion absorption and muon capture in ^{12}C, 25:12395
  - Charge exchange of 70 MeV π^- on C, Al, Cu, and Pb, 25:12446
  - Decay of the 395 μsec isomer of ^{158}Tb and the 2.53 msec isomer of ^{208}Bi, 21:25542
  - Excitation of the isospin triplet ^{12}B, $^{12}C^*$(15.11 MeV), ^{12}N by pion charge exchange, 25:12397
- HILSCHER, Werner Growth inhibition through gamma radiation on transplanted sarcomas in mice, 25:13473
- HILSDORF, H. Water content of hardened concrete, 21:18779 (DASA-1875)
  - Water-content estimation of concrete shields, 21:36319
- HILSDORF, H. K. Method to estimate the water content of concrete shields, 22:2715
- HILSENBECK, D. Bibliography on plasma physics, 11/67, 22:13425 (AED-C-03-14)
  - Bibliography on plasma physics, 3/67, 21:29187 (AED-C-03-06(Pt.1)(Vol.2))
  - Bibliography on plasma physics, 4/67, 21:29188 (AED-C-03-07(Pt.1)(Vol.2))
  - Bibliography on plasma physics, 5/67, 21:42011 (AED-C-03-08)
  - Bibliography on plasma physics, 6/67, 21:42012 (AED-C-03-09)
  - Bibliography on plasma physics, 7/67, 21:42013 (AED-C-03-10)
  - Bibliography on plasma physics, Vol. 2, 12/67, 22:15503 (AED-C-03-15)
  - Documentation of plasma physics. I, 21:18618
  - Documentation of plasma physics. I, 22:2999 (AED-C-03-12)
  - Documentation of plasma physics. I, 22:5301 (AED-03-13)
  - Documentation of plasma physics, Pt. 1, Vol. 2, 1/67, 21:18613 (AED-C-03-04)
  - Documentation of plasma physics, Pt. 1, Vol. 2, 8/67, 22:2998 (AED-C-03-11)
  - Plasma physics index, Vol. 3, No. 1, 22:22118 (AED-C-03-16)
  - Plasma physics index, Vol. 3, No. 10, 23:10598 (AED-C-3-25)
  - Plasma physics index, Vol. 3, No. 10, 1968, 23:36639
  - Plasma physics index, Vol. 3, No. 11, 23:18570 (AED-C-3-26)
  - Plasma Physics Index, Vol. 3, No. 12, 1968, 23:27601
  - Plasma physics index, Vol. 3, No. 2, 22:26348 (AED-C-03-17)
  - Plasma Physics Index, Vol. 3, No. 3, 22:31784 (AED-C-03-18)
  - Plasma physics index, Vol. 3, No. 4, 22:36879 (AED-C-03-19)
  - Plasma physics index, Vol. 3, No. 5, 22:46094 (AED-C-03-20)
  - Plasma physics index, Vol. 3, No. 6, 1968, 22:48074 (AED-C-03-21)
  - Plasma physics index, Vol. 3, No. 7, 1968, 22:52720 (AED-C-3-22)
  - Plasma physics index, Vol. 3, No. 8, 1968, 23:1354 (AED-C-03-23)
  - Plasma Physics Index, Vol. 3, No. 9, 23:6966 (AED-C-3-24)
  - Surface and vacuum physics index, Vol. 3, No. 1/2, 1968, 22:34243 (NP-17493)

  Surface and vacuum physics index, Vol. 3, No. 3, 1968, 22:34244 (NP-17494)
  Surface and vacuum physics index, Vol. 3, No. 4, 22:38726 (NP-17522)
  Surface and vacuum physics index, Vol. 3, No. 5, 22:46198 (NP-17602)
  Surface and vacuum physics index, Vol. 3, No. 7, 1968, 22:52479 (NP-17636)
  Surface and vacuum physics index, Vol. 3, No. 8, 1968, 23:3259 (NP-17660)
  Surface and vacuum physics index, Vol. 3, No. 9, 23:8435 (NP-17708)
  Surface and vacuum physics index, Vol. 3, No. 10, 23:10431 (NP-17736)
  Surface and Vacuum Physics Index, Vol. 3, No. 11, 1968, 23:27340
  Surface and vacuum physics, Vol. III, No. 6, 22:47793 (NP-17616)
HILSENROD, Arthur Low-level wind and temperature information for aircraft operations at airports, 22:40235 (AECL-2787, pp 292-306)
HILSHEIMER, R. Preparation of ^{14}C-labeled tuberculin purified protein derivative, 21:45554
HILT, E. Quantitative analysis of high boiling polyphenyl mixtures in field ion mass spectrometer, 23:13621 (EUR-4194)
HILTNER, W. A. Changing spectra of four shell stars, 23:12459
  CV Serpentis, 25:30043
  Further bright peculiar A stars, 23:12453
  H—R diagram of Alpha Persei Cluster, 25:32880
  MK spectral types for bright southern OB stars, 23:39130
  Observations of quasi-stellar and Haro—Luyten blue objects, 22:7106
  Observations of the optical and x-ray spectra of Sco X-1, 23:27272
  Optical monitoring of Sco X-1 for 1967-1969, 25:9086
  Optical observations of extrasolar x-ray sources, 24:44875
  Optical search for x-ray sources GX3 + 1, GX5 - 1, GX9 + 1, and GX17 + 2, 24:46923
  Optical search for x-ray sources in Sagittarius, 22:36641
  Photometric monitoring of Sco XR-1, 22:799
  Photometric monitoring of SCO XR-1, 22:11159
  Photometry of rapid variable star, HDE 310376, 25:32919
  Polarimetric observations of 14 quasi-stellar objects, 21:34987
  Polarization of Sco X-1, 21:20619
  Scorpius XR-1: some x-ray and optical observations, 24:46927
  Simultaneous observations of optical and x-ray spectra of Sco XR-1, 23:5135
  Soft x-ray spectra of three cosmic sources, 24:12547
  Spectral and location measurements of several cosmic x-ray sources including a variable sources in Centaurus, 22:17265
  Spectroscopic and photometric observations of peculiar stars noted on southern objective prism plates, 23:3173
  Spectroscopic observations of Scorpius X-1, 25:11600
  Spectroscopic study of the association Scorpius OB 1, 23:27220
  Spectrum of central star in NGC 5189, 22:36675
  Spectrum of ultraviolet object in Sagittarius, 22:36683
  True polarization curves for β Lyrae, 21:39745
  UBV photometry and spectral types in NGC 6611, 24:8228
  Unique emission-line object, 24:4902
HILTON, D. Density matrices for atoms and solids. I, 22:7371
HILTON, D. A. Carbon deposition from irradiated methane, 22:6336
  Deposits formed in-pile on magnox fuel element surfaces, 21:27718
  Determination of gadolinium in irradiated gadolinia—magnesia mixtures, 24:11450 (RD/B/N-1499)
  Determination of Gd in irradiated gadolinia/magnesia mixtures, 25:2089
  Identification of impurities in neutron-irradiated graphites by γ spectrometry, 25:12954
  Krypton-85 release during oxidation and self-heating of irradiated U, 25:6876
  Oxidation of uranium in carbon dioxide and carbon monoxide, 23:50991
  Release of ^{85}Kr during oxidation and ignition of irradiated U in carbon oxide, 24:42056
  Release of ^{85}Kr from irradiation U during oxidation in CO_2 between 500° and 700°C, 22:19586 (RD/B/N-1008)
  Some observations on the effect of internal surfaces on the ignition behaviour of irradiated uranium in carbon dioxide, 25:40049
HILTON, H. H. Polar ionosphere: measured ion density enhancements and soft electron precipitation, 25:55964
HILTON, Henry H. L parameter: a new approximation, 25:56041
  Precipitating protons in range 2.5 keV to 200 keV, 25:47395
HILTON, J. L. High current density 600 keV multimomentum accelerator, 24:38016
  Multimomentum 650-mA ion source, 23:3495
HILTON, John Effect of irradiation on induction of aniline hydroxylase in partially hepatectomized rats, 25:44934
HILTON, L. K. University of Utah neutrino detector. II, 21:19943
HILTON, Lyle Kent Electromagnetic cascade showers from cosmic ray muons in dense material, 21:35053
HILTON, R. K. Production of fuel assembly cluster plates, 21:16040 (AEEW-M-699)
HILTON, Raymond Kennet Controlling reactivity in nuclear reactors, 24:18624
HILTON, Raymond Kenneth Improvements in closure devices for pressure vessels, 23:40475
  Improvements in nuclear reactors, 24:11198
HILTON, W. F. Conference on problems of propulsion and re-entry, Madrid, 1966, 23:20875
HILTSCHER, R. Determination of static and fatigue strength of hard metals, 24:21382
HILTSCHER, Rudolf Improvements in nozzle connections for pressure vessels, 21:10228
HILTZ, F. L. Cesium-137 intake from milk, 22:21508
  Climatological aspects of ^{90}Sr levels in milk, 22:28455 (NYO-2147-13, pp 175-9)
  In vivo estimation of bone mineral content, 24:2136 (NYO-4039-1, pp 74-8)
HILTZ, R. H. Comparison of relative merits of 304 vs 316 stainless steel for liquid metal service, 22:8694 (MSAR-67-216)
  Corrosion of stainless steel in oxygen-contaminated sodium at 1200 F and 1400 F, 25:2620
  Effect of high temperature Na on mechanical properties of alloys for LMFBR, 23:41604 (MSAR-69-139)
  Effect of high-temperature Na on mechanical properties of candidate alloys for LMFBR program, 24:39630 (MSAR-70-76)
  Effects of high temperature sodium and helium environments on design properties of 304 and 316 stainless steels, 24:25640 (MSAR-70-38)
  Mechanical properties tests of 304 SS specimens of 1200F Na, 21:34858 (MSAR-67-103)
  Oxidation of stainless steel in oxygen-contaminated high-temperature sodium, 23:29964 (MSAR-69-91)
  Prog. rpt. on effect of high temperature Na on mechanical properties of alloys for LMFBR program, 4—6/69, 24:8055 (MSAR-69-178)
HILTZ, Ralph H. Behavior of 304- and 316-type stainless steels in high carbon sodium, 21:6765
HILZ, H. Enzyme synthesis after inhibition of yeast cell division through x irradiation, 21:13076
  Synchronized yeast cells. III, 22:40605
HIM, Hogil Test of cluster-knockout model using the reaction ^{6}Li(p,pα)d, 23:15369
HIMEBROOK, F. S. Design and performance calculations of miniature dc motors. I, 21:24132 (SC-TM-67-92)
HIMELEERS, H. Direct conversion of UF_6 into UO_2, 23:13806 (ANL-Trans-706)
HIMES, David Complete computer analysis of numbered gamma-ray spectra, 22:4020
HIMES, F. L. Influence of organic compounds on movement of ^{90}Sr in soils, 24:2297 (COO-414-11)
  Movement of ^{90}Sr in soils, 25:2365
HIMES, George E. Cardiac scans with ^{131}Cs, 21:24511
HIMES, J. L. Multi-wire proportional counters for low-energy particles, 24:39281
HIMMEL, G. Hyperfine structure in Os I and Eu II and nuclear quadrupole moments of ^{189}Os, ^{151}Eu, and ^{153}Eu, 23:51375
  Nuclear quadrupole moment of ^{189}Os, 22:20579
HIMMEL, L. Dispersion hardening of a Mo—1 at. percent Hf alloy by internal hardening, 25:13661 (UCRL-72627)
  Internal nitriding of tungsten-base alloys, 24:1012
  Marker techniques for studying the scaling of metals, 24:2883
  Precipitation hardening of Mo—1 at. percent Hf by internal nitriding, 25:24562 (UCRL-50958)
HIMMEL, Lawrence Nuclear activation technique for detecting ^{15}N tracer in solids, 22:12
HIMMEL, T. Modes of emergency cooling of the SNR, 24:52762
HIMMELBLAU, D. M. Bubble initiation in supersaturated solutions, 24:2379 (ORO-3326-1)
HIMMELL, Lewis C. Finite-beta instabilities inherent to a mirror-confined plasma, 25:40666
  Resonance scattering of light from atomic hydrogen, 21:43826
HIMMELSTEIN, P. Prog. rpt. on preparation of 5.5 percent enriched uranium carbide rods, final, 11/63—3/65, 21:28814 (EUR-3467.d)
  Technological improvement in fabrication of cast uranium carbide rods, 23:39019 (EUR-4273)
HIMMELSTEIN, Paul Preparation for smelting of metals and compounds with high melting points, 22:35978
HIMMELWRIGHT, J. R. Spatial Xe stability measurements on Connecticut Yankee reactor, 24:7039
HIMMLER, U. Effect of annealing on the lattice parameter of neutron-irradiated copper, 22:1359
  Lattice parameter changes in neutron irradiated aluminum, 21:29351
  Lattice parameters and resistivity change in neutron-irradiated copper, 24:24122
HIMOE, Eleanor Gamma-ray-induced mutations in Drosophila melanogaster oocytes, 22:49292
HIMOT, P. High capacity—high efficiency filters for sodium aerosols, 22:6514 (NYO-841-10)
  Sodium aerosol and its filtration, 21:31924 (CONF-660904-Vol.1 and 2, pp 877-904)
HINAI, Masakatsu Effect of iron and molybdenum additions on the properties of new high magnetic permeability alloys nimalloy in nickel and manganese system, 25:17309
  Effect of Nb on alloys in the Ni and Mn system, 24:24177
  Effect of Ta additions on the properties of new high magnetic permeability alloys, 25:49998
  Effect of tungsten additions on properties of new high magnetic permeability alloys, 23:32033
  Effects of Ta additions on the properties of Nimalloy, 25:12008
HINAJI, Chuhei Vapor-phase polymerization of ethylene by high-energy radiation, 21:3121
HINATA, Hiroshi Conformation radiotherapy for nasopharyngeal tumor, 25:35194
HINCHEN, J. J. Molecular beam scattering from surfaces of various metals, 22:982
HINCHEY, R. J. Thermodynamic functions for Pu^{3+}(aq), 24:20767
HINCHEY, Richard John Heat of solution of Pu metal and entropy of Pu(III), 22:4147
HINCKELMANN, Otto Low-energy scattering by long-range potentials, 25:14019
HINCKLEY, A. Dexter Infestation of irradiated white oaks by the solitary oak leafminer, Cameraria hamadryadella (Lepidoptera: Gracilariidae), 25:58092
HINCKLEY, R. B. Recovery of deuterium in atmosphere of Jupiter, 24:21515
HINCKLEY, S. T. Methods of obtaining operational flexibility in commercial power reactors, 24:7140
HINCKS, E. P. Boson production in p—p collisions at 12.3 GeV/c, 21:9703
  Muonic x rays and capture gamma rays in ^{89}Y, 25:20360
  Muonic x rays in ^{208}Pb and possible observation of nuclear polarization, 23:15467
  Neutron emission from nuclear excitation by radiationless transitions in μ-atomic ^{209}Bi, 23:42930
  Non-radiative muon transitions in heavy elements, 24:51410
  Precise measurement of muonic x rays in the Pb isotopes, 24:15923
  Spark chamber spectrometer with automatic vidicon readout, 21:16108 (CONF-660918-, pp 63-67)
HIND, G. Role of chloride ion in photosynthesis, 22:53493 (BNL-12532)
HIND, J. A. SNM measurement errors based on safeguards inventory verification duplicate samples, 25:32171 (CONF-700541-, pp 177-89)
HIND, J. D. Dynamics from Poincare group. I, 25:41041
HIND, Margaret Operating system for BNL low energy accelerator facility computer, 24:8761 (CONF-690301-, pp 212-17)
HIND, Margaret F. Ground-state energy of a many-fermion system, 24:52672
HINDEL, R. Design and performance of the Dynapix, 24:33897
HINDEL, Robert Multicrystal scanner is rapid and versatile, 21:22141
  Multiple detector radiation scanning device, 24:39273
  Scintillation detector indicating system, 25:18713
HINDENNACH, P. Hyperfine structure investigations with the Moessbauer effect following the reaction ^{56}Fe(d,p)^{57}Fe, 21:27543
HINDER, G. W. Observation of Cherenkov ring images with an image intensifier system of high gain, 22:4541
HINDERKS, Larry W. Excitation of nuclear and electronic spin waves in $RbMnF_3$ by parallel pumping, 22:17759
  Investigations of nuclear and electronic spin waves by parallel pumping, 24:46142 (COO-1488-20)
HINDERLITER, H. F. Levels of ^{15}O observed in ^{13}C(^{3}He,n)^{15}O reaction, 25:33999
HINDERMANN, D. K. Nuclear magnetic resonance and superconductivity in clathrate salt $[Ag_7O_8]^+HF_2^-$, 22:11344
HINDLE, C. M. Crossing the triangle-graph discontinuity formula, 23:49225
HINDLE, E. D. Effect of circumferentially aligned hydride on ductility of Zircaloy-2 tubing under biaxial stress, 22:8760
HINDLE, P. H. H/sub β/ radiation in spectrum of night sky, 22:41467
HINDLEY, Keith Enigmatic Nova Delphini, 22:34177
  Icarus hurtles past, 22:39483
  Northern lights unveiled, 23:1274
  Unsettled Sun, 22:43725
HINDLEY, N. K. Superconducting metals in porous glass as granular superconductors, 23:42192
HINDMAN, J. C. Deuteron spin-lattice relaxation of D_2O in organic solvents, 23:2275
HINDMAN, J. V. High-resolution observations of neutral H in the Small Cloud of Magellan, 21:22965
  High-resolution study of the distribution and motions of neutral H in the Small Cloud of Magellan, 21:22957
  Parkes hydrogen-line survey of the Milky Way. III, 25:19390
  Parkes hydrogen-line survey of the Milky Way. V, 25:19392
HINDMARSH, Alan C. Composition of Hermite interpolatory rootfinding algorithms, 24:18863 (UCRL-50771)
  GEAR: ordinary differential equation system solver, 25:37241 (UCID-30001)
HINDMARSH, J. L. Energy levels and Lorentz invariance, 25:36374
HINDMARSH, W. R. Atomic spectra, 22:5147
  Interpretation of collision broadening and shift in atomic spectra, 21:18435
  Interpretation of red satellite bands in atomic spectra, 22:49998
  Interpretation of the wing of the solar line Hα, 23:12485
  Magnetism and the cosmos, 21:39777
  Zeeman effect, 21:39779
HINDO, Walid A. Large dose increment irradiation in treatment of cerebral metastases, 25:16271
HINDRINGER, B. Production of osteosarcomas by incorporation of ^{224}Ra, 24:34033
HINDS, Edward C. Dental care and oral hygiene before and after treatment. Radiation caries, 25:19079
HINDS, James J. Material-properties analyzers using superconducting resonators, 25:14229
  Use of superconducting cavities to resolve carrier trapping effects in CdS, 23:30640
HINDS, John A. Pressure suppressing arrangement for use with a nuclear reactor, 23:19596
  Review of containment testing techniques, 22:32869
HINDS, S. (t,p) Reactions on ^{112} ^{124}Sn and pairing model, 23:37208
  DWBA and the 3.12 MeV state in ^{60}Ni, 23:19240
  High resolution wide range photon tagging system, 24:45711
  Magnetic analysis of the ^{55}Mn(d,p)^{56}Mn reaction. I, 21:19206
  Neutron transfer reactions on ^{204}Hg, 24:49875
  Nuclear spectroscopy with ^{204}Pb, 21:12061
  Nuclear structure in ^{113}Cd from ^{112}Cd(d,p) reaction, 23:31039

Nuclear structure in ^{127}Te from the ^{126}Te(d,p) reaction, 21:31815
Nuclear structure studies with (t,p) reactions, 21:15605
Proton pick-up from the even calcium isotopes, 22:50590
Proton pickup from ^{45}Sc, 23:25884
Reaction (t,p) with even isotopes of Ca, 21:44613
Reaction ^{209}Bi(t,α)^{208}Pb, 22:9888
Reaction ^{51}V(t,p)^{53}V, 21:9962
Reactions ^{116} ^{118}Sn(t,p)^{118} ^{120}Sn, 22:20620
Reactions ^{50}Cr(t,α) and ^{48}Ti(^{3}He,d), 22:7667
Spectroscopic study of ^{49}Ti, 23:15418
States of ^{60}Ni, ^{62}Ni, ^{64}Ni, and ^{66}Ni, 25:46008
Strongest transitions from the (t,p) reactions on Cd and Sb, 21:12042
Study of ^{52}Cr, ^{54}Cr, and ^{56}Cr by the (t,p) reaction, 23:1840
Study of ^{63}Cu and ^{65}Cu levels by the (t,α) reaction, 21:29922
Study of the (t,p) reactions leading to ^{48}Ti and ^{50}Ti, 21:7748
Vibrational states of ^{207}Tl, 23:23679
HINDS, W. H. Iodine characterization sampler for application in humid environments, 22:37909 (ORNL-TM-2071)
HINDS, W. T. Biometeorological studies of contrasting slope exposures, 24:39077 (BNWL-1307(Pt.1), pp 136-8)
Climate and phenology on Ale reserve, 24:39075 (BNWL-1307(Pt.1), pp 133-4)
Climatological instrumentation on the ALE Reserve, 1970, 25:48657 (BNWL-1551(Vol.2)(Pt.1), pp 171)
Diffusion over coastal mountains of southern California, 23:9552 (BNWL-715-3, pp 19-53)
Elevated source diffusion studies, 22:18950 (BNWL-481-1, pp 5-8)
Evaporation from bare and vegetated lysimeters at different elevations, 25:48656 (BNWL-1551(Vol.2)(Pt.1), pp 170-1)
Foliar interception of precipitation in sagebrush communities, 24:39076 (BNWL-1307(Pt.1), pp 134-5)
General relation between autocorrelograms and variance, 23:9564 (BNWL-715-3, pp 120-7)
Micrometeorological investigations on ALE reserve, 24:14120 (BNWL-1051(Pt.1), pp 62-4)
Mountain Iron diffusion program, 21:41012 (BNWL-SA-1401)
Mountain Iron Diffusion Program: South Vandenberg: I, 22:12159 (BNWL-572(Vol.1))
Peak-to-mean concentration ratios as a function of crosswind position within the mean plume, 24:14071 (BNWL-1051(Pt.1), pp 5-13)
Peak-to-mean concentration ratios in building wakes, 24:39053 (BNWL-1307(Pt.1), pp 25-6)
Precipitation patterns of the ALE Reserve, 25:48654 (BNWL-1551(Vol.2)(Pt.1), pp 166-7)
Prerecorded climatology of Hanford region, 24:39074 (BNWL-1307(Pt.1), pp 132-3)
Some environmental consequences of shading in shrub communities, 23:11374 (BNWL-715-3, pp 184-90)
Temperature—precipitation—vegetation relations on ALE reserve, 24:14079 (BNWL-1051(Pt.1), pp 65-77)
Terrain influence on atmospheric diffusion, 24:39051 (BNWL-1307(Pt.1), pp 19-20)
Variance of an increasingly smoothed random variable, 21:41015 (BNWL-SA-1406)
Variation of concentration in plumes and building wakes, 21:41011 (BNWL-SA-1400)
Wake studies, 22:18952 (BNWL-481-1, pp 28-32)
HINDS, William C. Optical properties of sodium aerosols, 25:19193 (CONF-700816-(Vol.1), pp 425-44)
HINE, G. J. Advanced flat-field uptake detector, 23:29182
Evaluation of focused collimator performance. III, 23:33436
Investigations of collimator performance, 24:34474
HINE, Gerald J. Absorbed dose from radionuclides, 24:44505
Collimator characteristics for radioisotope scanning, 24:19216
Evaluation of focused collimator performance. II, 22:6699
Instrumentation in nuclear medicine. I, 22:45299
Line-source phantom for testing the performance of scintillation cameras, 22:38039
HINE, Jack Catalysis of α—H exchange. IV, 21:25841
Catalysis of α-H exchange. III, 21:15892
Catalysis of α-hydrogen exchange. VI, 21:35966
Catalysis of α-hydrogen exchange. VII, 22:8069
Catalysis of α-hydrogen exchange. IX, 24:9282
Isobutyraldehyde and secondary amines. Addition and catalysis of deuterium exchange, 21:35967
Mechanism of the dehydrochlorination of β-benzene hexachloride, 21:5894
Reaction of methylene halides with alkali metal alkoxides in alcohol solution, 23:24205
HINE, M. G. N. Accelerator (300 GeV): the machine, 21:44492
Addendum to design study of 300 GeV proton synchrotron, 22:1523 (CERN-702)
Design study of 300-GeV proton synchrotron, 22:22482 (CERN-563(Add.))
HINE, Michael John Acoustically induced vibrations of slender rods in a cylindrical duct. I and II, 25:57621 (TRG-Report-2141)
HINES, C. O. Applications of gravity-wave theory, 23:51494
Atmospheric gravity waves induced by solar eclipse. II, 25:56016
Atmospheric gravity waves launched by auroral currents, 24:35260
Discussion of ionization effects on the propagation of acoustic-gravity waves in the ionosphere, 24:26082
Eddy-diffusion coefficients due to instabilities in internal gravity waves, 24:39957
Gravity waves in presence of wind shears, 23:51493
Nature of traveling ionospheric disturbances launched by low-altitude nuclear explosions, 21:23109
Propagation of atmospheric gravity waves through regions of wind shear, 21:13441
HINES, C. R. Ferrous metallurgy, 21:21902
Ferrous metallurgy, 23:26173
Ferrous metallurgy, 25:31778
HINES, D. B. Radioactive tracer technique for laboratory corrosion studies, 24:29450
HINES, D. P. Analytical methods to design and predict performance of fast reactor fuel elements, 25:39251 (A/CONF.49/P-838)
Effects of irradiated-materials properties measurements on design optimizations of fast-reactor fuels, 21:38553
Irradiation behavior of hyper- and hypo-stoichiometric plutonia—urania fuel at 70,000 MWd/t, 21:6893 (GEAP-4897)
Mechanical model of thermal differential expansion at first startup of a mixed-oxide fuel pin, 25:6000
Non-steady-state factors in models for swelling of oxide fuels, 24:7309
Non-steady-state factors in models for swelling of oxide fuels, 24:38553
SEFOR development activities, 22:14123 (ANL-7380, pp 15-21)
Transfer of coolant between adjacent subchannels in wire wrap and grid spacer rod bundles, 25:6028
HINES, Douglas P. Nuclear fuel rod having an offset plenum, 25:54309
Reactor steam circulator, 25:25982
HINES, E. Power and the CPI, 21:38609
HINES, Edward Power and the chemical industries, 21:40599
HINES, G. F. Performance of fuel elements in Mk I Gas Cooled (Magnox) Reactors, 25:53903 (A/CONF.49/P-500)
HINES, J. Fast-sum coincidence spectrometer and sensitivity compilation for activation analysis, 21:12304
HINES, J. F. 5-OH tryptamine content in rat brain tissues x irradiated in vitro, 23:2773
Effects of x irradiation on respiration in rat brain tissue slices, 22:49495
HINES, J. J. Decay of 10.4-min ^{162}Gd, 21:13872
Fission cross sections for ^{243}Pu, ^{250}Bk, ^{247}Cm, ^{245}Cm, /sup 254m/Es, and ^{254}Es, and odd—odd systematics, 23:1920
High-efficiency gamma-ray spectrometer, 23:35507
HINES, K. C. Plasma theory and computation, 21:13609 (ORNL-4063, pp 94-110)
HINES, Norman Leroy Potential radioprotective agents, 25:42531
HINES, R. A. Electroformed gilding metal rotating band, 25:37161 (BDX-613-236)
HINES, R. H. Instrumentation development program, 21:37415 (AD-650857)
HINES, R. L. Channeling of D$^+$ and He$^+$ ions in gold crystals, 21:2329
Critical angles for channeling of 1- to 25-keV H$^+$, D$^+$, and He$^+$ ions in gold crystals, 21:37612
Critical angles for channeling of H$^+$, D$^+$, AND He$^+$ ions in single crystal gold films in the energy interval 1 to 17 keV, 21:13362
Prog. rpt. on radiation effects of ion bombardment, final, 6/15/68—8/31/70, 25:3190 (COO-1053-15)
Relationship between ion impacts and clusters in gold crystal foils. Final progress report, June 15, 1969—August 31, 1970, 25:3189 (COO-1053-14)
Relative energy losses of channeled D$^+$ ions in Au, 25:9555
Transmission of 1-25 keV ions through crystal foils, 22:29540 (COO-1053-9)
HINES, W. A. Spin-orbit coupling and nuclear magnetic resonance in superconducting metals, 25:40523
HINES, William A. Nuclear magnetic resonance in superconducting lead, 21:16893
Spin-reversing scattering and nuclear magnetic resonance in superconducting tin, 21:11581
HINES, William Alonzo Spin—orbit coupling and nuclear magnetic resonance in superconducting metals, 22:39027
HINGERTY, B. E. Isospin purity of $T = 1$ states in ^{6}Li, 25:25656
HINGLE, D. N. Atomic-emission spectroscopy of the rare earth elements in a separated nitrous oxide—acetylene flame, 24:4198
HINGORANI, S. B. Determination of ruthenium in fallout samples, 25:26181
HINGSAMMER, J. Doping of an Ar matrix with K by irradiation at 4.6°K, 24:26309
Two component equilibrium in thermal plasmas, 21:18775
HINGSON, Dickson J. Release of ^{86}Rb and hemoglobin from erythrocytes, 23:50383
HINGST, W. R. Motion of an electric arc in a transverse magnetic field, 22:48126
HINGST, Warren Robert Motion of an electric arc in the transverse magnetic field, 22:31831
HINGSTON, Janice Variations in air density at heights near 150 km, 22:17489
HINICH, Melvin J. Atmospheric propagation studies up to September 30, 1969, 25:47381 (AD-716541)
HINK, W. Apparatus for delivery of gas for flowthrough proportional counter, 25:2453
Ionization cross section of K-shell by electron impact, 23:41974
K-ionization cross section of Al by electron impact, 23:41919
K-ionization cross section of carbon by electron impact (2 to 30 keV), 25:40350
K-shell-fluorescence yield for carbon and other light elements, 25:43108
Pulse height distribution and response of NaI(Tl) scintillation detector, 24:33889
Response function of proportional counter for soft x radiation, 24:44281
HINKE, Dayton H. Influence of host protein nutrition on the response of various tumors to ionizing radiation, 22:40856
HINKE, Horst H. Diffusion parameters for OM 1 at different temperatures, 24:38072
HINKELMANN, B. Evaluated microscopic neutron cross sections and 26 group constants for Cd, 24:28770 (EURFNR-749)
Evaluation of fast critical experiments by use of recent methods and data, 24:22506
Evaluation of neutron nuclear data for several actinides in energy range from thermal to 10 MeV, 25:15128
Microscopic neutron nuclear data and 5-group cross sections for actinides ^{231}Pa, ^{232}U, ^{234}U, ^{236}U, ^{237}U, ^{237}Np, ^{238}Np, ^{236}Pu, ^{238}Pu, ^{241}Am, ^{242}Cm, 25:23019 (EURFNR-862)
Status of Karlsruhe evaluated nuclear data file KEDAK at 6/70, 25:41225 (EURFNR-912)
Theoretical and experimental analysis of fast zero-power assemblies, 25:15396
HINKINS, R. Evidence for a low-energy resonance in the three-neutron system, 24:49703
HINKLE, Donald K. Changes in rat skin after proton irradiation, 23:29767
Neoplastic skin response of rats after 13 MeV proton irradiation, 22:40852
HINKLE, N. E. Dislocation dynamics in irradiated iron, 22:21748
Dose rate, annealing, and stress—relaxation studies of radiation hardening in Fe, 21:32934 (ORNL-P-2922)
Radiation hardening and embrittlement in ASTM A 212-B steel, 23:27128 (ORNL-4369, pp 1-9)
Radiation hardening and embrittlement in a reactor pressure vessel steel, 24:29992
Radiation hardening and radiation-anneal hardening in body-centered cubic metals, 25:35507
Radiation hardening in iron, 23:27131 (ORNL-4369, pp 29-41)
Yielding in an irradiated pressure-vessel steel, 22:31422 (ORNL-4246, pp 6-27)
HINKLE, W. D. Analysis of the heat removal capability of the containment air cooling units following a loss of coolant incident, 22:22706 (NYO-3250-9)
Operating flexibility through in-core fuel management, 24:16206
Operating flexibility through in-core fuel management, 24:18527
HINKLEY, D. E. Gamma-ray attenuation in structures with basements, 24:32887
Monte Carlo analysis of in- and down-scattered radiation, 24:32886
Monte Carlo study of gamma-ray attenuation in structures with basements, 25:49955 (AD-715409)
Study of the components of the exposure in cylindrical structures, 25:4256
HINKLEY, David E. Analysis of in-and-down scattered radiation measurements in a basement, 25:49956 (AD-721621)
Application of modified engineering method techniques to skyshine radiation measurements, 23:29116 (AD-681231)
Gamma transport through mutually perpendicular slabs, 25:17263
HINKLEY, R. K. Spin—orbit coupling constants from Gaussian wave functions, 24:37270
HINKLEY, Robert L. Sterile ^{113}Sn—/sup 113m/In generator, 23:50668
HINKS, David George Effect of impurities on γ-ray coloration of KCl crystals, 23:46551
HINKS, N. T. Simple method for the determination of the specific activity of carbon dioxide in blood, 21:5775
HINKSON, Thomas Clifford Recoil reactions of ^{18}F in perfluorocyclobutane and perfluorocyclobutene, 25:13066
HINLEY, M. S. Testing a $^1/_8$th scale cylindrical vessel, 23:11209
HINMAN, C. A. Electrical conductivity of UO$_2$, 21:1939 (BNWL-296(Pt.1))
Electrical conductivity of uranium dioxide, 22:11064
HINMAN, Frank Jr. Evaluation of the palliative effects of treatment with the 70-MeV synchrotron on advanced carcinoma of the bladder, 21:24521
Palliation versus eradication of carcinoma of the bladder with the 70-Mev synchrotron, 21:26512
HINMAN, G. W. Gamma-ray transmission through inhomogeneous layers, 23:8644
HINMAN, George W. Vacancies and interstitial clusters in irradiated graphite, 24:39729
HINN, Gervas Measuring total body calcium by in vivo neutron activation analysis, 24:5628
HINN, Gervas M. Measurement of total body calcium (bone mass) in vivo with the use of total body neutron activation analysis, 24:41728
HINNERS, N. W. New Moon, 25:58677
HINNOV, E. Computer description of the C-stellarator ohmic heating discharges in H, 23:12751
Confinement of contact-ionized barium plasma, 23:32335
Effects of collisional drift waves on plasma density, 23:44475
Electron temperatures from He I intensity measurements, 23:44397
Fully-ionized barium plasma source, 21:44125
Ion temperature in a plasma produced by contact ionization, 21:29207
Measurement of barium vapor density, 23:4591 (IPP-2/71)
Particle and energy balance in the ST Tokamak, 25:38338 (CONF-710607-32)
Plasma diagnostics with ionized barium and tunable dye lasers, 23:39454
Preliminary investigation of ohmically-heated plasmas in the model ST Tokamak, 25:30459 (MATT-813)
Rates of electron impact transitions between excited states of helium, 24:12788 (MATT-610)
Rates of electron-impact transitions between excited states of helium, 24:3320
HINNOV, Einar Revision of the temperature dependence of the ionization rates of neon ions, 22:1232

HINO, Kinnosuke Images of thorium atoms in transmission electron microscopy, 25:45609
HINO, Koichi X-ray fluorescence analysis of Co, Ti, Ta, Nb, and Fe in cemented carbide, 23:4526
HINO, Masao Infrared absorption spectra of silica gel-H$_2$^{16}O, D$_2$^{16}O, and H$_2$^{18}O systems, 25:29069
HINO, Norio Human counter for mass monitoring, 25:44592
HINO, Tohru Reactivities of radiation-protective aminoalkylisothiuronium salts. I, 21:8856
  Reactivities of radiation-protective aminoalkylisothiuronium salts. II, 22:31181
HINOJOSA, Oscar Cellulose graft copolymers. I, 24:9389
  Cellulose graft copolymers. II, 24:20815
  Cellulose graft copolymers. III, 25:29108
  Effect of aromatic groups on localization of high energy in cellulose, 21:36039
  Effects of dipolar aprotic solvents on the stability of free radicals in γ-irradiated cotton cellulose, 25:44394
  ESR spectra of gamma-irradiated cotton cellulose I and II, 21:5940
  ESR study of intramolecular energy transfer in the radiolysis of cellulose furoates, 24:41320
  ESR study of intramolecular energy transfer in the radiolysis of cellulose thenoates, 25:41836
  Esr study of post-irradiation reactions of cellulose and acrylonitrile, 21:36040
  Trapped radical spectra of irradiated cellulose, 24:2224
HINOTANI, K. Muon intensities and angular distributions deep underground, 21:18473
HINOUL, M. Double-wall ultra-high vacuum system with electron gun and evaporation rate monitor, 25:10806
HINRICHS, J. Propagation of electromagnetically generated shock waves in argon and helium, 22:13453
HINRICHS, R. A. Anomalous L = 1 shapes of angular distributions for (^{3}He,t) transitions to 0$^+$ antianalog states in ^{64,66}Ga and ^{40}K, 25:5654
  Charge-exchange coupling in ^{98}Mo + p reactions, 23:15433 (RLO-1388-86)
  Charge-exchange coupling in ^{98}Mo + p reactions, 23:15475
  Energy dependence of phase rule in ^{24}Mg(α,α') scattering, 22:20533
  Proton-channel analog resonances and weak coupling in ^{203}Tl(d,p)^{204}Tl, 24:1842
HINRICHS, Roger Albert Single nucleon transfer reactions, 25:12571
HINRICHSEN, K. Application of the quantimet to the evaluation of autoradiograms, 23:47733 (KFK-845, pp 4.1-10)
HINRICHSEN, P. F. Angular correlation analysis of ^{58}Ni(p,p'γ) reaction, 24:3904
  Angular correlation measurements (^{58}Ni(p,p'γ)^{58}Ni), 22:1627
  Angular correlation measurements for ^{46}Ti(p,p'γ)^{46}Ti reaction, 22:53136
  Decay of 78.4-hr ^{89}Zr, 22:53138
  Energy levels in ^{89}Y, 22:44659
  Gamma transitions in ^{60}Ni following the β^+ decay of ^{60}Cu, 23:13250
  High-resolution study of ^{70}Ge, 23:10982
  Nickel-62 levels and the decay of ^{62}Cu, 24:40589
  Nuclear energy levels of ^{56}Fe from studies of the (p,p'γ) reaction, 21:38275
  Particle—gamma ray correlation apparatus, 23:33405
  Particle—γ-ray angular-correlation study of ^{57}Ni in the reaction ^{58}Ni(^{3}He,$\alpha\gamma$)^{57}Ni, 24:18400
  Properties of low-lying states of ^{58}Ni, 22:27005
  Structure of ^{70}Ge, 22:27006
HINS, A. G. Design and fabrication method for plutonium-bearing fuel elements, 22:15153 (ANL-7313)
  Manufacture of reactivity-coefficient elements for Zero-Power Reactor experiments, 22:36439 (ANL-7365)
  Pilot-lot fabrication of ZPPR oxide-rod elements, 24:36949 (ANL-7649)
HINS, Allan G. Manufacture of clad fissionable foils for ZPR measurements, 25:58180 (CONF-711002-, pp 70-6)
HINSCH, Gertrude W. Glassy particles in lunar fines, 25:948
HINSCH, H. Conference on molecular structure and radiation effects, Hanover, 6/66, 23:13769
  Methods for the measurement of the course of photo- and radiation reactions in biological substances, 25:46519
HINSCH, J. E. Composition of graft copolymers formed by electron irradiation, 23:19755
  Radiation-initiated crosslinking of organic coatings, 23:26279
HINSCHBERGER, Andre Application of pyrolytic chromatography to the study of the radiochemical polymerization of mixtures of isoprene with methyl methacrylate, 21:21979
  Kinetic study of the radiochemical polymerization of isoprene, 21:8377
  Radiochemical polymerization of isoprene—methyl methacrylate mixtures, 21:110.
  Radiochemical polymerization of isoprene in the solid phase, 23:28928
  Study of the microstructure of polyisoprenes prepared by radiochemical initiation, 21:3126
HINSENKAMP, Alfred Application of multichannel analyzers in isotope technique, 23:41167
HINT, H. C. Counteraction of platelet activity at sites of laser-induced endothelial trauma, 24:5997
HINTENBERGER, H. Concentrations and isotopic composition in lunar material, 24:21531
  Helium and neon isotopes in iron meteorites and the tritium deficiency in hexahedrites, 21:33077
  Mass spectrographic analysis of minerals and rocks, 23:47369 (ORNL-tr-2220)
  Measurement of the diffusion losses of radiogenic and spallogenic rare gases in stone meteorites. II, 21:550
  Rare-gas measurements on iron meteorites, 21:33075
HINTERBERGER, F. Elastic scattering of 52 MeV deuterons, 22:26971
  Elastic scattering of 52-MeV, 22:46711 (BMwF-FBK-68-16)
  Elastic scattering of 52-MeV deuterons, 21:4346
  Inelastic scattering of 52-MeV deuterons, 22:44645
  Shell structure studies in the Ti region with 52-MeV deuterons, 21:31747
  Shell structure studies with 52-MeV deuterons, 22:27008
  Single nucleon pick-up from ^{12}C and ^{14}N with 52 MeV deuterons, 22:7651
HINTERBERGER, H. Bending magnets of NAL main accelerator, 25:50486
  Efficient design for lucite light pipes coupled to photomultipliers, 22:19114
  Gas Cherenkov counter with large phase-space acceptance, 24:16888
  Gas Cherenkov counter with optimized light collecting efficiency, 21:16125 (CONF-660918-, pp 205-6)
  Quadrupole magnets of NAL main accelerator, 25:50487
  Use of a solid light funnel to increase phototube aperture without restricting angular acceptance, 22:43034
HINTEREGGER, H. E. Extreme ultraviolet solar spectrum and its variation during a solar cycle, 25:4925
  Observations of solar uv radiation, 21:36963 (ESRO-SP-6, Paper 7)
  Solar radiation in the extreme ultraviolet and its variation with solar rotation, 25:7050
  Solar-cycle variation of extreme ultraviolet radiation, 23:41850
HINTERMANN, H. E. New bearing materials for ultrahigh vacuum, 25:29834
HINTERMANN, K. O. Potentialities of nuclear gas turbine power plants, 21:34085 (EUR-2757.e, pp 13-)
  Reactor physics and heat transfer, 24:40919 (DP-Report-190)
  Reactor physics of the Dragon Reactor Experiment, 21:15738
  The dragon project and its reactor experiment. project dragon, 24:40889 (NP-9383)
HINTON, B. B. Atomic nitrogen in the upper atmosphere measured by mass spectrometers, 22:36854
HINTON, Barry B. Mass spectrometer for atmospheric composition at satellite altitudes, 23:45586
HINTON, F. L. Amplitude limitation of a collisional drift-wave instability, 25:9495
  Collisionless absorption and emission of electromagnetic waves by a bounded plasma, 22:3071
  Effect of longitudinal electric field on toroidal diffusion, 25:1166
  Electrical conductivity of plasma, 24:12824
  Electron-beam echo, 24:26154
  Test-particle propagator and its application to the decay of plasma wave echoes, 22:44170
HINTON, Fred L. Incoherent radiation processes in plasmas, 21:5265 (AD-637587)
HINTON, Frederick Lee Collisionless absorption and emission of electromagnetic waves by a bounded plasma, 22:29523
HINTON, J. F. Determination of aminecarboxylic acid complexing agents in presence of lanthanides and actinides, 24:48033
  Selective solvation in aqueous N-methylacetamide, 23:7515
HINTON, J. H. Measurement of time-of-flight using 300 Mc/s scalers, 25:10891 (AERE-R-5422)
  Operating experience with airborne activity confinement systems at Savannah River Plant, 23:15707 (DPSPU-68-30-4)
  Operating experience with airborne activity confinement systems, 23:29138
HINTZ, E. Collisionless shock waves in laboratory plasmas, 25:27690
  Generation and structure of collisionless shockwaves, 23:32390
  Shock waves and turbulent heating in low density plasmas, 25:38384 (CONF-710607-123)
  Simultaneous switching of many parallel trigatrons without decoupling leads, 21:30580 (CONF-661016, pp 3-7)
HINTZ, E. A. Collisionless shock waves and turbulent heating, 23:32341
HINTZ, Gerald R. Nonhomogeneous boundary-value problem for the linear transport equation for a slab geometry, 25:56621
HINTZ, Gerald Regis Mixed problems for linear transport equations for the slab geometry, 24:47560
HINTZ, H. F. Response by growing-finishing pigs to germicidal uv radiation, 22:8603
HINTZ, N. M. Carbon—alpha scattering from 18 to 28 MeV, 22:26910
  Pairing phase transition in Yb isotopes, 25:1745
HINTZ, Norton M. Analysis of two-neutron (L = 0) transfer cross sections, 22:27022
  Cross sections for Ca and Ni, 22:44666
  Excited rotational band in spherical ^{150}Sm, 24:40622
  Nuclear level-density fluctuations and tests of the compound statistical model, 21:13828
  Octupole and quadrupole transition rates in ^{19}F from scattering of 15 MeV deuterons, 24:1744 (COO-1265-82)
  Octupole and quadrupole transition rates in ^{19}F, 24:24513
  Reaction (p,t) on the isotopes of Sm and Nd, N = 88 and 90, 21:2739
  Study of the (p,t) reaction on the Pb isotopes, 21:13874
HINTZ, R. E. Beam analyzing system for a variable energy cyclotron, 23:30904
  Performance of superconducting NbTi and NbZr inorganic solenoids, 22:46079
HINTZ, R. F. Superconducting solenoid having a horizontal axis and a room-temperature aperture, 23:6249
HINTZ, Roland E. ac loss measurements in superconducting magnets, 22:29386 (UCRL-18176)
HINTZ, Ronald E. Semiconducting shunts for stabilizing superconducting magnet coils, 22:37917
  Solenoid having a horizontal axis and a room-temperature aperture, 22:31734 (UCRL-18179)
HINTZE, S. S. System effectiveness goals for Fast Flux Test Facility, 24:11221 (BNWL-791)
HINUMA, Yorio Biophysical properties of poliovirus irradiated with uv, 21:45848
HINZ, R. F. High-temperature fast-flux irradiation experiment for mixed-oxide fuel rods, 25:5989 (GA-10264)
HINZE, Harry C. DNA synthesis in irradiated cell cultures, 24:32160
HINZE, Juergen Atomic multiconfiguration self-consistent-field wavefunctions, 23:12584
  Multi-configuration self-consistent-field theory, 21:43783
HINZE, R. B. Observations of C in SRE Na, 21:34113 (NAA-SR-Memo-4479)
  Sodium purity requirements, 21:34114 (NAA-SR-Memo-12394)
HINZE, Robert B. Cold trap performance limitations (a state-of-the-art review), 25:51074
HINZPETER, A. Measuring of very low β-activities (fallout) in water and ashes after enrichment by selective ion exchange, 25:15515
HINZPETER, G. Appearance of various ion wave types in Noble gas discharge at low pressure, 23:42272
  Appearance of various ion wave types in rare gas discharges at low pressures, 23:46515
  Echoes with ion sound waves, 25:30611
  Investigation of particle streaming out of plasma, 25:30485
  Measurement of charge carriers effused from glow discharge, 21:31393
HIPKISS, A. R. Loss of flagella from Chlamydomonas after uv irradiation, 21:39540
HIPKISS, Alan R. Loss of flagella from Chlamydomonas reinhardi after x irradiation in presence of iodoacetamide, 25:47036
HIPP, H. Mass and energy distribution of fission fragments from their ranges in solid state detectors, 22:14792
  Measurement of fission angular distribution in solid state detectors, 21:41225
HIPP, Jackie Ervin Travelling wave antenna for exciting waves in a cylindrical, anisotropic plasma, 25:56254
HIPPE, E. Normal plasma cortisol values determined by a double isotope derivative technique, 25:8585
HIPPE, Z. Effect of gamma rays on properties of several plastic films, 22:33374 (CEA-tr-X-635)
HIPPELEIN, H. H. Deuteron spin flip in inelastic scattering, 24:26609
HIPPENSTEELE, J. Robert Microcirculation in peripheral vascular beds, 22:6718 (UCRL-17771)
HIPPLE, T. F. Simplified premedication for brain scans and other radioisotope tests, 24:12173
HIPPLER, H. High-pressure region of the recombination O + O$_2$ $\rightarrow$ O$_3$, 25:34589
HIRABAYASHI, H. Galactic background at 4 GHz, 23:39258
  Operation characteristics of 75 cm hydrogen bubble chamber and the refrigerator. I, 25:29372 (SJC-T-71-1)
  Pneumatic expansion system of the 75 cm hydrogen bubble chamber, 25:44686 (SJC-T-71-2)
HIRABAYASHI, Hiromi Experimental study on excited states in ^{6}Li nucleus, 21:44580
HIRABAYASHI, K. Medication of radiation erythema, 24:6111
HIRABAYASHI, Koji Recurrent cancer of the cervix uteri, 23:893
HIRABAYASHI, Makoto Ageing characteristics of Cu—Be—Al alloys, 21:36856
  Neutron irradiation hardening of boron-doped copper, 25:29908
HIRABAYASHI, Masayuki Hot-pressing of zirconium nitride in vacuum, 25:32787
HIRABAYASHI, Takakuni Study on behavior of sulfur between H$_2$S and ZnS by an isotopic exchange method, 22:42660
HIRABAYASHI, Yukio Influence of x ray against malignant tumor, 23:31938
HIRABAYASI, H. Photonuclear reactions of ^{6}Li, 22:26913
HIRAGA, M. Some experimental data conflicting with the explosion model in gaseous bromides, 25:57501
HIRAHARA, Akira Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
HIRAI, A. Cobalt-59 NMR in Co^{2+} ion at tetrahedral site, 22:26503
HIRAI, Atsushi Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts, 24:11403 (UCLA-34-P-8-X-3)
HIRAI, Hachiro Comparison of the radiation-induced reaction with photochemical and thermal reactions. I, 21:5928
HIRAI, Hidefumi Polymerization of coordinated monomers. I, 23:35148
HIRAI, Hisao Determination of copper in fats by neutron activation analysis, 22:42602
HIRAI, Kiyoshi Neutron attenuation by steel embedded concrete, 21:9644
HIRAI, M. Application of radioisotopes in continuous casting of steel, 24:31603
HIRAI, Masamitsu Color center formation and bleaching in KCl and NaCl by electron pulse at 15°K, 25:17287
  F-center formation in KCl by pulsed electron beam, 23:25465
  Optical studies of ionic crystals by pulsed x and ultraviolet radiations, 24:19969
  Optical study of an ionic crystal by means of pulsed electron irradiation. IV, 25:27846
  Photometric study of ionic crystal with pulsed electron beams. II, 24:19970
  Photometric study of ionic crystal with pulsed electron beams. III, 24:19971
HIRAI, Shin New varieties of malting barley produced by radiation breeding, 25:8656
HIRAI, T. Effects of tobacco mosaic virus infection on photosynthetic CO$_2$ fixation and ^{14}CO$_2$ incorporation into protein in tobacco leaves, 25:13360

Lattice and grain-boundary diffusion of U in UO$_2$, 21:525
Method of crystallite size determination of graphite, 23:41738
Structural features of pyrolytic graphite, 21:28852
HIRAI, Toshio Crystallite size determination of BeO, 23:36255
Electrical anisotropies of pyrolytic graphite and its compounds, 25:1327
Siliconated pyrolytic graphite. I, 23:34068
Siliconated pyrolytic graphite. II, 23:34115
Siliconated pyrolytic graphite. III, 23:48562
Siliconated pyrolytic graphite. IV, 23:48529
HIRAI, Tsuyoshi Disorders among in utero exposed children, 21:12911
Fetal hazards due to x-ray diagnosis during pregnancy, 22:40903
HIRAISHI, Ryuichi Processing of Ta metal, 23:15946
HIRAIWA, Osamu Cation exchange separation with oxalate, 23:15956
HIRAKAWA, A. Measurement of plasma flow rate and glomerular filtration rate, 23:29647
Radiocardiogram analysis by analog computer simulation, 23:29648
HIRAKAWA, Akiko Y. Amino wagging and inversion in methylamines. II, 21:19633
HIRAKAWA, Akina Analog computer aided renogram diagnosis, 24:32066
HIRAKAWA, H. Model cavity studies for tank design and on tank fabrication, 23:19062 (BNL-50120(Pt.2), pp 543-56)
HIRAKAWA, Hiromasa Dynamic orientation of ^{60}Co nuclei, 21:29939
Electromagnetic field of traveling charge in beam ducts, 23:3869
Electromagnetic field of traveling charge in beam duct, 23:19049 (BNL-50120(Pt.1), pp 400-8)
Radiation from moving charge train, 23:5729
Tables of green functions, 24:3805 (SJC-A-68-3)
HIRAKAWA, K. Spin waves and neutron inelastic scattering, 21:17266 (JAERI-1113, pp 91-8)
HIRAKAWA, N. Analysis of the Kiwi—TNT experiment with MARS, 21:38632
JAERI fast critical facility, 21:35700 (ANL-7320, pp 776-84)
MARS: two-dimensional excursion code, 22:32737 (APDA-198)
Measurement of central fission ratios and fission rate distributions in FCA, 25:37066 (JAERI-Memo-4356)
HIRAKAWA, Naohiro Analysis of the KIWI—TNT experiment with MARS code, 24:16263
Comparison of the methods used in fast-reactor meltdown calculations, 21:7968
Criticality of 20 percent enriched uranium fast critical assemblies, 23:13549
Destructive energy released at fast breeder reactor maximum hypothetical accident, 24:43790 (JAERI-1188)
Mock up experiment of JFER control rod in FCA III-1, 25:51052 (JAERI-13516)
Present status and problems on safety evaluation codes for fast reactors, 24:22439
HIRAKAWA, Takao Tsuruga atomic power station and the present state of construction, 23:28372
HIRAKI, A. Annealing of defects produced in n-type Ge by electron irradiation at 30°K, 23:16884
EPR in electron-bombarded phosphorus-doped N-type germanium, 25:56299
Observation of irradiation-induced interstitial copper impurity in germanium, 21:42167
Production and annihilation of interstitial impurities in electron-irradiated n-type Ge, 22:37014
HIRAKI, Akio Permanent defects in electron bombarded n-type germanium, 25:43444
Understanding of defects induced in n-type Ge by electron bombardment, 25:3200
HIRAKI, Keizo Fluorometric determination of cerium in seawater, 25:39424
Fluorometric determination of Sc, 23:33141
HIRAKI, Kiyoshi Role of virus in radiation leukemogenesis, 21:16463
HIRAKI, Makoto New varieties of malting barley produced by radiation breeding, 25:8656
HIRAKI, Tatsunosuke Intravenous radioisotope angiography, 23:6515
Simultaneous performance of isosensitive scanning and bilaminoscanning, 21:10973
Study on the medical universal human counter. III, 21:16358
Xenon-133-rebreathing technique using the scintillation camera, 22:45302
HIRAKIS, Emanual C. Method of applying oxidation protective coatings to niobium, 23:26999
HIRAMATSU, S. Negative pion production from neutrons by polarized γ rays, 22:52918
Quasi-free electron scattering on ^{12}C and ^{9}Be, 24:52415 (INSJ-122)
HIRAMOTO, T. Critical condition for electrothermal instabilities, 23:42339
Effects of last dynode capacity in space charge saturation type pulse shape discriminator, 21:8652
High-resolution scinticamera based on delay-line time conversion, 25:51859
Low background dual phosphor beta-ray spectrometer, 22:45322
Low-level beta-spectroscopy of solid samples by means of a coincidence-type scintillation spectrometer combined with a logarithmic amplifier, 21:16162
Neutron-gamma discriminating detector for use with time-of-flight fast neutron spectrometer, 22:6630
Scintillation cameras based on new position arithmetics, 24:44269
HIRAMOTO, Tatsumi Critical condition for the electrothermal instability in a partially ionized plasma, 24:28323
Effects of dc on linear MHD generator, 23:42016
Magnetohydrodynamic generating system, 21:7052
Measurements of flow velocities in an MHD channel, 21:9396
Radiative energy losses in nonequilibrium plasmas, 23:18659
HIRAMOTO, Toshiyuki Low-background β-ray spectrometer, 24:31721
Neutrons from thick target Be (d,n) reactions at 1.0 MeV to 3.0 MeV, 22:18128
Scintillation camera based on delay-line time conversion, 25:26486
HIRANANDANI, M. R. Mass distribution studies in nuclear fission using Lexan detector, 22:44697
Range measurements of fission fragments in thermal fission of ^{235}U, 22:32625
HIRANO, K. Current sustaining in magnetized toroidal plasma, 25:49892
Design and construction of PIACE, 25:30587 (EUR-4593, pp 431-41)
Production of a single pulsed plasma, 21:44114
HIRANO, Katsuhiko Radiolysis of 2,2'-azo-bis-isobutyronitrile in benzene solution. I, 25:21033
Radiolysis of 2,2'-azo-bis-isobutyronitrile in benzene solution. II, 25:41872
HIRANO, Katsumi Cusp injection experiment, 22:17615
High-β reflected wave in a cusped magnetic field, 22:48123
Impulsive plasma produced by a coaxial plasma gun, 23:7023
HIRANO, Keiichi Study of a conical electrode plasma gun, 21:2267
HIRANO, Ken-ichi Ageing and precipitation in Fe—Be alloys, 22:49855
Aging precipitation of Fe—Be alloy, 23:14364
HIRANO, Kenmei Chlorination—volatilization processing of irradiated UO$_2$. I, 25:6415
Chlorination-distillation processing of irradiated uranium dioxide, 23:38053
Chlorination-volatilization processing of irradiated UO$_2$. II, 25:21108
Reprocessing of spent uranium fuel by means of chlorination and fractional absorption by barium chloride, 22:30673
HIRANO, Masanobu Decay widths of resonances and composite model, 25:3405
Nonleptonic hyperon decays and equal-time commutation relations, 22:50350
Parity-conserving nonleptonic decays of hyperons and SU(3)-symmetry breaking of the strong interaction, 24:40347
Universality of quark interactions, 25:40962
HIRANO, Mitsumasa DELIGHT: the point reactivity burnup code for HTGR lattices, 25:57021 (JAERI-Memo-4449)
HIRANO, Shizo Determination of micro amounts of Ca in Ta, 24:2128
Determination of traces of fluoride in Ta, 23:24083
HIRANO, Susumu Relations between ratio of fibers and tensile strength in W-fiber-reinforced Al composites, 24:12398
HIRANO, Yaeko Thorotrast and carcinogenesis, 22:2552
HIRAO, K. Characteristics of an UHV chamber, 22:16853
Characteristics of an ultrahigh vacuum chamber, 22:23252
HIRAO, Kunio Charged particle density measurements during IQSY, 22:5244
Direct observation of the ionosphere with sounding rocket K-9M-20, 22:15439
Effect of electron heating on the electron temperature probe, 23:44400
Electron temperature in aurora, 22:2917
Layer structure in the electron temperature profile in the ionosphere, 21:11510
Relation between sunspot number and charged particle density in the upper ionosphere, 22:22060
Rocket observation of the ionosphere in twilight conditions, 23:46364
Rocket observations of electron density of daytime ionosphere, 25:30360
HIRAO, Y. Abundances of As, Sn, and Sb in chondritic meteorites, 23:21673
Elastic and inelastic scattering of alpha particles from ^{40}Ar, 22:27020
HIRAO, Yasuo Excited states in ^{40}Ar from inelastic alpha-particle scattering, 24:35858
HIRAOKA, Eiichi Characteristics of lead foil screens in Linac x-ray radiography. I, 23:38212
Electron loading of 1 MV Van de Graaff type positive-ion accelerator, 23:30862
Electron loading of 1-MV Van de Graaff-type positive-ion accelerator, 22:44561
Fast neutron detector using insulating materials. I, 22:43068
Gamma-ray detector using insulating materials. III, 22:12656
Gamma-rays induced conductivity in insulating polymers. III, 22:42793
Gamma-rays induced conductivity in insulating polymers. IV, 23:35183
Iridium-192 gamma-ray and its radiography, 22:42988
New gamma-irradiation facility, 24:39121
On the uniformity of the industrial lead foil screen and the x-ray film, 22:43146
Radiography using ^{192}Ir. II, 22:12560
Radiography using photo-nuclear reaction, 22:12559
Van de Graaff type positive-ion accelerator of ORC, 22:13887
HIRAOKA, Kenzo Measurements of plasma parameters in hf glow discharge, 25:25092
HIRAOKA, T. Free energy of standard formation of niobium oxides, 23:14408
JAERI fast critical facility, 21:35700 (ANL-7320, pp 776-84)
Paired ionization chambers for measurement of neutrons and gamma rays, 25:26538
HIRAOKA, Takeshi Dosimetry of megavoltage x-rays and electrons, 23:20019
HIRAOKA, Toru Prompt neutron life time of FCA fast assemblies, 23:31206
Pulsed neutron experiment on FCA I-5, 25:28759 (JAERI-Memo-4272)
Reactivity measurements on fast systems with natural uranium metal blanket by pulsed neutron method, 24:50192
HIRASAWA, Kiyoshi Seismic prospecting in environs of uranium ore deposits at northern part of Toki city, 23:7650
Seismic prospecting in the environs of U ore deposits, 21:14338
HIRASAWA, Saburo Radial density distribution in positive column in magnetic field, 24:30322
HIRASAWA, Takeo Change in π 2 spectra with development of magnetospheric substorm, 24:37329
Ionospheric effect on geomagnetic micropulsations at low latitudes, 23:25206
Long-period geomagnetic pulsations (pc 5), 24:37330
Rocket observations of electron density of daytime ionosphere, 25:30360
Worldwide characteristics of geomagnetic pc-pulsations, 24:30235
HIRASAWA, Tomowo Radiation patterns of S waves from underground nuclear explosions, 25:54814
HIRASAWA, Toshiaki Analysis of nucleon—nucleon scattering with large momentum transfers, 22:1451
Formation of galaxies from hydrogen gas, 23:39266
Formation of protogalaxies and molecular processes in hydrogen gas, 24:3137
Radio spectra of quasi-stellar objects, 25:13843
HIRASAWA, Y. Steel irradiation capsule and rig, 21:20537 (CONF-660511-, pp 1.4.1-9)
HIRASAWA, Yasusuke Electrophysiologic recordings in peripheral nerve heterografts, 22:51933
Irradiated experimental nerve heterografts pretreated with specific antiserum, 22:51364
Nerve heterografts in irradiated animals with Imuran immunosuppression, 23:7952
Protective effect of irradiation combined with sheathing on experimental nerve heterografs, 22:49496
HIRASAWA, Yoshinari Sample capsule, 23:29050
HIRASAWA, Yoshiya Capsule for irradiating materials, 23:17650
Radiation shielding vessel, 23:13969
HIRASHIMA, Hiroshi Gamma-ray burst of the Sun, 24:1202
HIRASHIMA, Kunitake Mechanism of hematopoietic recovery in the x-irradiated mouse with spleen or one leg shielded, 22:578
HIRASHIMA, Yoshiyuki Extraction of Eu with di(2-ethylhexyl) phosphoric acid, 25:29185
Separation factors in a europium chloride—samarium chloride—neodymium chloride—di(2-ethylhexyl)phosphoric acid system, 25:57543
HIRATA, A. K$^+$n charge exchange at 12 GeV/c, 24:49338
HIRATA, A. A. K$^+$n charge exchange near 1 GeV/c, 25:40896
Reaction K$^+$N $\rightarrow$ K*N in the isospin-O channel near threshold, 24:49491 (UCRL-19774)
HIRATA, Akira Color autoradiography. I, 22:49149
Distribution of labelled drugs in animals, 24:31780
HIRATA, Allan A. Interactions K$^+$d near 1 GeV/c, 23:7088 (UCRL-18322)
K$^+$d partial cross sections around 1 GeV/c, 23:3651
HIRATA, Allan Akira K$^+$d interactions from 865 to 1365 MeV/c, 25:25311 (UCRL-20248)
HIRATA, Hiroshi Rapid volumetric determination of niobium in the presence of titanium and zirconium by hydrogen peroxide complex formation, 22:33228
HIRATA, M. Analysis of the long-time burnup behaviors of fast reactors with a closed fuel cycle, 24:22412
Atomic frequency and entropy in annealing of defects in silicon, 24:32897
Atomic frequency and entropy in annealing of defects in silicon, 24:32897
Coupling between spin-flip and non-spin-flip particle-hole pair states, 25:17868
Data acquisition and analysis for fast reactor physics in JAERI, 24:33268
Hindrance of M1 transition from analog state to antianalog state and charge exchange spin-flip collective mode, 25:5658
Physical boson mixing 2$^+$ states, 22:27322
HIRATA, Masahi Disorders noted among A-bomb exposed women, 21:12958
HIRATA, Masako Annealing of irradiated silicon containing phosphorus atoms, 21:37601
Effect of impurities on the annealing behavior of irradiated silicon, 21:29386
Interactions of point defects with impurities in silicon, 23:42465
HIRATA, Masanobu Scintigraphy of lung cancer using ^{203}Hg, 25:26842
HIRATA, Michihiro Core excited states in ^{17}O, 25:14900
HIRATA, Mitsuho Capsules for samples to be irradiated in nuclear reactors, 24:5783
Conceptual design of the reactant flow loop for fissiochemical studies, 25:57613 (JAERI-Memo-4446)
HIRATA, Mitsuho J. Thermal neutron energy spectrum of JRR-3, 23:40400
HIRATA, Mitsuji Annealing of irradiated silicon containing phosphorus atoms, 21:37601
Effect of impurities on the annealing behavior of irradiated silicon, 21:29386
Interactions of point defects with impurities in silicon, 23:42465
HIRATA, Yasuo Electrostatic waves and ionization irregularities in the ionosphere, 22:24138
HIRATA, Yasutoshi Optimum location of nuclear power plant, 25:48232
HIRATATE, Y. 2I + 1 rule and the reaction mechanism of the ^{19}F(d,α)^{17}O reaction, 22:18144
Coulomb stripping in reaction ^{89}Y(d,p)^{90}Y at 4 MeV bombarding energy, 23:19226
Intermediate resonances in the reaction ^{24}Mg(d,p)^{25}Mg, 22:27057

Mechanism of reaction $^{24}Mg(d,p)^{25}Mg$ from 2 to 4 MeV, 23:7269
Reaction $^{89}Y(d,p)^{90}Y$ at energy below the Coulomb barrier, 22:27050
HIRATATE, Yukio Production of the $^{3}He^{2+}$ ion by an rf ion source, 22:5066
Some studies of the ^{23}Na + p reaction at E/sub p/ = 2.2 to 4.5 MeV, 22:22570
HIRATSUKA, Yasumasa Capsule for irradiation tests, 23:24363
Capsule for irradiation tests, 23:40503
Nuclear reactor, 23:43109
Reactor control rod, 21:30219
HIRAWAWA, Yuki Effects of the relative humidity on track fading and prevention of fading of the personal neutron monitoring film, 25:44695
HIRAYAMA, Akil Determination of hydrogen and oxygen in metallic uranium, 24:29180 (ORNL-tr-2322)
HIRAYAMA, F. Energy transfer and quenching in plastic scintillators, 23:2612
HIRAYAMA, Fumio Reaction of benzene with bromobenzene and 4-bromobiphenyl, 22:18805 (COO-913-23)
HIRAYAMA, Hiroshi Parallel tunnel diode coincidence circuit, 24:33971
Studies on azulenes. I, 21:38968
Studies on azulenes. II, 22:6332
HIRAYAMA, Katsuyoshi Engineering drawings for radioactive waste treatment facilities, 23:47724 (JAERI-4049)
HIRAYAMA, M. Compositeness conditions for particles with identical quantum numbers, 23:1682
HIRAYAMA, Minoru Compositeness condition for particles with identical quantum numbers, 22:1396
Compositeness criteria of particles in quantum field theory and S-matrix theory, 22:18041
Mass variation of a composite particle versus that of its constituent, 21:17059
HIRAYAMA, Shoichi Experimental fast reactor Joyo. Outline of Joyo, 25:44091
Uses of the JMTR, 22:47032
HIRAYAMA, T. Industrial applications of radiation and radioisotopes in Japan, 25:51479 (A/CONF.49/P-827)
Process analysis in a chemical plant by means of radioactive tracers, 22:14710
HIRAYAMA, Tadashi Abundance of helium in prominences and in the chromosphere, 25:58602
Spectral analysis of four quiescent prominences, 25:32987
HIRAYAMA, Tatsu Method for simultaneously producing ethyl chloride and n-butyl chloride, 22:35849
HIRAYAMA, Tohru Activation analysis of trace mercury in gas, 23:11461
HIRAYAMA, Toru Utilization of radioisotopes for measurement of leaks in chemical plants, 22:16781
HIRAYAMA, Toshinari Effect of precipitates on fatigue strength, 25:27231
HIRAYAMA, Tsutomu Radiation thickness meter, 23:20033
HIRD, B. Analysis of $^{19}F(p,\alpha)^{16}O$ reaction, 22:35233
Analysis of the reaction $^{12}C(p,\alpha)^{9}B$ at 44.5 MeV, 22:53115
Direct exchange contributions to the reaction $^{12}C(\alpha,p)^{15}N$ between 20 MeV and 40 MeV, 21:4225
Direct reaction process $^{27}Al(p,\alpha)^{24}Mg$ and $^{23}Na(p,\alpha)^{20}Ne$ at 41.3 MeV and 45.5 MeV, 23:40010
Doppler-shift lifetimes in ^{30}P, 25:14933
On-line computer method of particle identification, 23:29200
Reaction $^{26}Mg(p,t)^{24}Mg$, 24:43289
Reaction $^{37}Cl(p,t)^{35}Cl$, 24:43287
Reactions $^{19}F(p,\alpha)^{16}O$, $^{12}C(p,\alpha)^{9}B$, and $^{7}Li(p,\alpha)^{4}He$ near 45 MeV, 21:23424
Reactions $^{58}Ni(p,\alpha)^{55}Co$ and the $^{59}Co(p,\alpha)^{56}Fe$, 24:43283
HIRD, Kathryn Strain of Escherichia coli resistant to DNA degradation induced by ionizing radiation, 25:42729 (NYO-2804-40)
HIRDE, J. P. Effect of irradiation on the current pulses in a low-frequency electrodeless argon discharge, 25:9449
HIREL, R. Application of superconductivity to particle accelerators, 22:44547
HIRKO, R. G. 4.04-MeV ^{19}Fstate, 22:26872
Coriolis-coupling model calculations for sd shell nuclei, 24:43554
Data acquisition system for gamma spectroscopy, 24:44308
Low-lying levels of ^{24}Ne, 24:38169
Reactions $^{21}Ne(p,d)^{20}Ne$ and $^{21}Ne(d,p)^{22}Ne$, 25:3633
HIRLING, J. Efficiency of various filter packings for removal of ^{131}I, 23:29074
Infra-red-heated evaporator system for concentration of radioactive effluents, 25:21374
Safety measures and waste management at isotope production plant, 24:31651
HIRLING, Jozsef Decontamination of combustion products formed by incineration of radioactive wastes, 23:45494
Experiences with airtechnical system of the laboratory for manufacturing isotopes in Hungary, 22:42943
Experimental food irradiation installation, 24:19137
Recovery and storage of radioactive waste in the surroundings of Moscow, 24:20973
Studies at the Nuclear Center of Yugoslavia, 22:27972
Transfer of high-activity γ radiation sources, 21:28474
HIRMER, Guenter Atucha Nuclear Power Station, 24:18548
HIRO, Kazuo Spectrophotometric determination of Mo by solvent extraction, 24:36161
HIRO, Sanju Electron beam curing of paint films, 24:31395
HIROE, S. Excitation of low-frequency oscillations at upper hybrid resonance microwaves, 22:34636 (AD-665527)
Excitation of lower hybrid oscillations at upper hybrid resonance by microwaves, 22:7303
HIROE, Shinji Excitation of electron cyclotron harmonic waves in plasmas, 22:52811
HIROKAMI, Shun-ichi COS as an electron scavenger in liquid-phase radiolysis, 24:29328
HIROKI, Toshio Oxidation and reduction of Pu(III), (IV), and (VI), 25:48506
Study on extraction of ruthenium—nitrosyl complexes from $UO_2(NO_3)_2$—3N HNO_3 by 10 to 20v/o TBP/n-dodecane, 25:15725 (NP-18656)
HIROMICHI Low-energy (p,n) reaction on ^{55}Mn and the low-lying excited states of ^{55}Fe, 21:7751
HIROMURA, Kazuyuki Improvement in luminosity of a DuMond type β-ray spectrometer. I, 23:14026
HIRONAKA, Yoshie Catalytic hydrogenation of propene on Ni, Pd, and Pt, 21:5869
HIRONE, Tokutaro Quality of the magnetic field excited by mercury rectifiers, 22:21248
HIRONO, Motokazu Density and temperature of laser-produced plasma in a space chamber, 21:33471
HIRONO, Shuichiro Fixation of U from natural waters, 22:18872 (NSJ-tr-91)
Occurrence of U in Japan, 24:14095
HIRONO, Y. Relative biological effectiveness of heavy ions in producing mutations, tumors, and growth inhibition in the crucifer plant, arabidopsis, 25:8800
Responses in mutation, growth inhibition, tumorization, and isozyme multiplicity from exposing seeds to irradiations, 23:43906 (BNL-13763)
Responses in mutation, growth inhibition, tumorization, 24:41823
Tumor induction by heavy ionizing particles and x-rays in Arabidopsis, 23:31992
HIRONS, Thomas J. Accuracy of space-collapse for fast breeder fuel cycle analysis, 25:5965
Caculations of fast critical assemblies, 25:41564
Calculational modeling effects on fast breeder fuel cycle analysis, 23:49565 (LA-4187)
Calculational models for fast reactor fuel-cycle analysis, 24:46065
Effect of collapsing cross-section data on fast breeder physics parameters, 25:15352
Effect of condensing the spatial mesh on the accuracy of fast breeder fuel-cycle analyses, 25:60100
Geometric buckling of polygonal reactors, 22:48800
Heterogeneity effects on large fast breeder fuel-cycle calculations, 24:33274
Models for fuel-cycle analysis in large fast breeders, 23:37419
PHENIX: two-dimensional diffusion-burnup-refueling code, 24:29014 (LA-4231)
Spectral effects on calculated fuel-cycle parameters in large fast breeders, 24:7131
HIRONS, Thomas Joseph Approximate analytical solutions of the reactor kinetics equations, 22:32462
HIROOKA, M. Muon capture rate in ^{12}C with exact nuclear and muon wave functions, 22:26915
Shell model for ^{12}C and ^{11}B, 24:43150
Theory of muon capture in ^{16}O, 22:20481
HIROOKA, Masahiko Bound states of Dirac particle, 23:39690
Inelastic electron scattering from ^{12}C and nuclear structure, 24:43127
Muon capture in ^{12}C and nuclear structure, 23:8946
Muon capture in ^{12}C and nuclear structure, 23:44834
HIROOKA, Tomohiko Microwave spectrum of propylene, 22:35800
HIROOKA, Tsutomu Selenium metabolism. I, 21:8682
Selenium metabolism. III, 21:8683
HIROSABURO Method for crosslinking olefin polymers, 21:5971
HIROSAWA, H. Plasma production system from solidified gas particle by giant laser, 23:39492
HIROSAWA, Haruto Laser plasma production system from a single solidified gas particle, 23:32435
Laser-plasma production system from a single solidified gas particle, 24:26214 (LA-tr-70-6)
Plasma production system from a single solidified gas particle by means of giant laser, 23:1489
HIROSE, A. Anomalous resistivity in a steady-state, current carrying discharge tube plasma, 24:40059 (ORNL-TM-3038)
Anomalous resistivity in a steady-state, current-carrying discharge-tube plasma, 25:7394
Anomalous resistivity in Tokamak TM-3, 24:28275 (ORNL-TM-2988)
Anomalously rapid skin-current penetration and heating in pulsed-plasma experiments, 25:33268
Dispersion and damping of electrostatic ion waves, 24:26253
Dispersion measurements of electrostatic ion waves in a uniform magnetic field, 24:40136
Drift instability in mercury-vapor discharges, 21:5312
Electrostatic instabilities driven by currents perpendicular to an external magnetic field, 25:47561 (ORNL-TM-3532)
Ion-wave instabilities in mercury-vapor plasma, 21:40027
Landau damping of electrostatic ion waves in a uniform magnetic field, 23:25403
Landau damping of ion acoustic waves in a uniform magnetic field, 24:26260
Turbulent heat in mirror machines at ORNL, 25:3056 (ORO-1171-1, pp 78-97)
Turbulent ion heating in burnout V, 24:47195
Understanding turbulent ion heating in the Oak Ridge mirror machine, Burnout V, 25:38348 (CONF-710607-62)
Waves and nonlinear phenomena, 24:26271
HIROSE, Akira Propagation and damping of electrostatic ion waves in plasma, 24:47287
HIROSE, Chiaki Microwave spectra of methyl bromide and methyl bromide-d_3, 22:2063
Microwave spectra of vinylacetylene and monodeutero vinylacetylene, 25:20987
HIROSE, F. Early effects of 14.1-MeV neutron irradiation on intestinal mucosa, 22:49552
Incidence of leukemia in Hiroshima during the years 1946 to 1962, 21:8962
HIROSE, Fumio Acute injuries caused by neutron irradiation, 22:12908
Acute radiation damage to the digestive tract: a comparison of effects between fast neutron and x rays, 22:40935
Early effect of radiation on stomach mucosa, 25:52221
Effects of 14.1 MeV neutron irradiation on hematopoietic organs of rats, 22:40844
Effects of x-irradiation on gastric region of mice, 23:43863
Induction of gastric adenocarcinoma in mice by localized x-irradiation, 23:41438
Leukemia in atomic bomb survivors, 24:32139
HIROSE, Humio Leukemia among atomic bomb survivors in Hiroshima, 22:15043
HIROSE, Izumi Visual accommodation of survivors in Nagasaki and Hiroshima, 22:51816
HIROSE, Jiro Conversion of UF_4 to UO_2 in Japan, 24:34937
HIROSE, Kazutoyo Radiation curing of coating, 25:2243
HIROSE, T. Antiproton—proton charge exchange and elastic scattering at 232 MeV, 25:59266 (SJC-P-71-1)
E0, M1, and E2 ($2_2^+ \rightarrow 2_1^+$) transitions in ^{192}Pt, ^{194}Pt, ^{196}Pt, and ^{198}Hg nuclei, 22:27189
Oriented low carbon steel gradient magnets for strong focusing proton synchrotron, 24:38032
Structure of Pt nuclei. II, 24:38298
HIROSE, Tachishige Magnetic field measurements of model magnet for proton synchrotron, 24:1693 (SJC-A-69-3)
HIROSE, Yasuo Method for producing a ceramic fuel element, 22:15243
Method for producing a ceramic fuel element, 22:19619
Method for producing a ceramic fuel element, 24:14878
Nuclear fuel element, 22:7052
Production of ceramic nuclear fuel elements, 22:8814
Vibration compacted UO_2 fuel. I, 23:3112
Vibration compacted UO_2 fuel. II, 23:30163
Vibration compacted UO_2 fuel. III, 23:39035
Vibration compacted UO_2 fuel. IV, 24:3015
Vibratory compaction of ceramic nuclear fuel elements, 23:8287
HIROSE, Yoji Determination of oxygen in ferrosilicon by 14 MeV neutron activation, 22:8010
Non-destructive determination of hydrogen in organic solvents in neutron slow-down process, 21:8219
Non-destructive determination of hydrogen in organic solvents by thermal neutron scattering, 21:38905
HIROSE, Yoshiteru Formation of ribonucleosides from bases by nucleoside producing mutants of Bacillus subtilis, 21:12775
HIROSE, Yoshiyuki Terpenoids. 10, 22:6323
HIROSHI Radiation-induced solid-state polymerization of vinyl compounds in binary systems, 21:36038
HIROSHIGE, N. Duality for real part of π—N scattering amplitude, 25:47887
HIROSHIGE, Noboru Multichannel approach to high-energy reactions by the one-boson-exchange model, 24:49539
s-channel resonance and energy dependence of forward peak of high-energy elastic scattering, 25:40996
Two-pion-exchange potential with nucleon-pair effects, 21:25575
Two-pion-exchange potential with nucleon-pair effects, 21:27387
HIROSHIGE, Y. Flow of plasma in a slightly rotational magnetic field, 21:11488 (N-66-25013)
HIROSHIGE, Yasushi One-dimensional free expansion of a collisionless plasma, 22:3115
One-dimensional free expansion of a collisionless plasma, 23:23150
HIROTA, Isao Spectroscopic measurement of high-temperature plasmas. II, 22:5316
HIROTA, Eizi Internal rotation in propargyl alcohol from microwave spectrum, 22:35799
Microwave spectrum of methylene fluoride. Centrifugal distortion and molecular structure, 24:29257
Microwave spectrum of propylene, 22:35800
Microwave spectrum, structure, quadrupole coupling constant, and force constants of NSCl, 25:10532
HIROTA, Isao Experimental fast reactor Joyo, 25:60177
One hundred-kJ fast theta-pinch device, 24:17980
Spectroscopic measurement of high-temperature plasmas. I, 22:5317
HIROTA, J. Correlation of integral data and cross sections in intermediate energy cores, 24:22388
Data acquisition and analysis for fast reactor physics in JAERI, 24:33268
Heterogeneity study for an intermediate-energy core programme, 22:35647
JAERI fast critical facility, 21:35700 (ANL-7320, pp 776-84)
Recent reactor physics activities in Japan, 23:4420
Theoretical and experimental works on fast reactor physics in Japan, 22:18569
HIROTA, Jitsuya Criticality of 20 percent enriched uranium fast critical assemblies, 23:13549
Cross sections of ^{239}Pu, 24:1841
Doppler coefficient measurements in FCA, 24:33411
Fast critical assembly, 22:6128
Sodium-void experiment in unit k-infinity core, 25:20793
HIROTA, K. Concentration to high levels of heavy oxygen (^{18}O) by thermal diffusion method, 23:24387 (MLM-1634(tr))
HIROTA, Kozo Adsorbed species in deuterium-exchange reactions of propylene, 23:26233
Application of microwave spectroscopy to the self-exchange of deuterium in propylene-3-d_1 catalyzed by group VIII metals, 25:8258
Catalytic hydrogenation of propene on Ni, Pd, and Pt, 21:5869
Effects of irradiation on platinum—oxygen electrode, 24:11554 (JAERI-5022, pp 13-17)
Enrichment of ^{18}O of high concentration by thermal diffusion method, 22:47300

- Fragmentation of alkyl ketones by electron impact and its theoretical explanation, 21:4501
- G values of methyl radical in the radiolysis of paraffin, 21:19705
- G values of methyl radical in the radiolysis of paraffine, 22:8108 (AEC-tr-6908, pp 198-200)
- Identification of ions produced from methyl ethyl ether-d_3 by electron impact, 22:8110 (AEC-tr-6908, pp 211-15)
- Identification of the ions produced from methyl ethyl ether-d_3 by electron impact, 21:42992
- Ionization and dissociation of aliphatic ethers under electron impact, 21:42988
- Ionization and dissociation of aliphatic ethers under electron impact, 22:8109 (AEC-tr-6908, pp 201-10)
- Isotopic analysis of reaction products of methylacetylene with deuterium on nickel, 24:9241
- Mass spectra of pyridine and picolines, 22:8052
- Mass spectra of pyridine and picolines, 22:42647 (AEC-tr-6937, pp 104-8)
- Method for producing a graft copolymer, 23:19765
- Normal vibrations and assignments of infrared spectra of propane and its deuterium derivatives, 22:12295
- Quantitative explanation of the skeletal bond-scission of cyclic ethers by electron impact, 22:42719 (AEC-tr-6937, pp 176-83)
- Radiolysis of cholestanol, 25:10624 (JAERI-5026, pp 160-4)
- Radiolysis of methyl ethyl ether, 24:11578 (JAERI-5022, pp 180-4)
- Radiolysis of methyl n-butyl ether, 22:8133
- Radiolysis of methyl n-butyl ether, 22:42718 (AEC-tr-6937, pp 170-5)
- Self-exchange reaction of deuterium in monodeuteriotoluene catalyzed by nickel and platinum, 22:33340
- HIROTA, Minoru Mechanisms of Mo—Mn—Ti metallizing and Cu brazing in metal-to-ceramic seals, 23:41596
- HIROTA, Reiko Isotopic exchange reaction between bis(α-benzildioximato) nickel(II) and nickel ions in pyridine and pyridine—water solutions, 21:27949
- HIROTA, Toru Method of calculating the energy spectrum of an electron in the field of many potentials, 21:5324
- HIROTA, Yukinori Effect of salts on the process of mitosis in E. coli, 23:24774
- HIROWATARI, Fumitoshi Rubidium—Sr ages of Yoshimuraite and associated minerals from the Taguchi Mn mine, Central Japan, 24:25119
- HIROYOSHI, Toshiki Conference of the 12th International Congress of Genetics, Tokyo, 8/68, 24:34247
- HIRSCH, A. Evaluation of dosimeter films for radiation protection supervision, 23:38607
- HIRSCH, A. Adler Nuclear-energized turbidity monitor for treatment plants, 21:30642
- HIRSCH, Arthur E. Effects of overpressure on the ear, 21:39441 (AD-640921)
- HIRSCH, Bruce E. Evidence for the existence of multipotential lympho-hematopoietic stem cells in the adult rat, 24:32227
- HIRSCH, Ch. Flow of conducting fluid in triangular channel cross section, 23:3326
  - The flow of a conducting fluid in a channel in the form of a right angle triangle in the presence of a transverse magnetic field, 23:5276
- HIRSCH, Charles Magnetohydrodynamic outflow through a square channel in presence of a transverse magnetic field, 24:21633
  - MHD flow in tube of square cross section in transverse magnetic field, 23:32220
- HIRSCH, E. Broken SU(6) predictions for baryon production with polarized vector mesons, 25:53212
  - Experimental evidence for a violation of a quark model prediction at the baryon vertex, 25:47891
  - Reactions $K^-n \rightarrow Y^{*-}(1385)$ + vector meson at 3 GeV/c, 25:40893
- HIRSCH, E. F. Method for measuring volume of extracellular fluid by radioactive sulfur ^{35}S, 22:14977
  - Triple-tracer technique for measuring red-blood-cell, plasma, and extracellular-fluid volume, 22:51857
- HIRSCH, F. G. Prog. rpt. on assessing responses of thorax energized by air-blast overpressures, 11/66, 21:28515 (DASA-1857)
- HIRSCH, Frederic G. Prog. rpt. on effects of overpressure on ear, 11/66, 21:28516 (DASA-1858)
- HIRSCH, Hans H. X-ray sterilization of freeze-dried aortic segments, 23:3000
- HIRSCH, Harold H. Hydrostatic pressing of powders, 21:41566
  - Hydrostatic pressing of powders, 22:2621
- HIRSCH, Herbert M. Setting test intervals and allowable bypass times as a function of protection system goals, 25:60053
- HIRSCH, J. Carrier generation and transport in anthracene under electron bombardment, 22:38776
  - Conduction induced by electron bombardment in polymer films, 23:15917
- HIRSCH, K. Calibration standard for method for measurement of conductivity in cylindrical plasmas, 21:25111 (IHT-1-17)
- HIRSCH, P. B. Deformation of niobium single crystals, 21:24801
  - Dislocation structures in deformed single crystals, 23:34004
  - Effect of point defects on absorption of high-energy electrons passing through crystals, 21:7365
  - Plasticity of pure niobium single crystals, 22:10972
- HIRSCH, P. R. Argon atmosphere filter system in HFEF hot cell, 25:4197
  - Argon atmosphere filter system in HFEF hot cell, 25:51798
  - Design of the Hot Fuel Examination Facility Argon system, 24:5858
- HIRSCH, R. F. Technetium chemistry, oxidation states and species, 21:19637
- HIRSCH, R. H. Longitudinal oscillations of Lorentzian electron gas, 25:27822
  - Nonlinear and collisional effects on Landau damping, 22:52782
- HIRSCH, Robert Pierrelatte, 23:6260 (K-Trans-45)
- HIRSCH, Robert L. Apparatus for generating fusion reactions, 24:51723
  - Apparatus for generating fusion reactions, 24:51724
  - Experimental studies of deep, negative, electrostatic potential well in spherical geometry, 23:1369
  - Highly efficient, inexpensive, medium current ion source, 21:25381
  - Inertial-electrostatic confinement of ionized fusion gases, 22:1150
  - Perspectives on controlled thermonuclear research, 23:6967 (TID-24804)
- HIRSCH, Roland F. Anion-exchange equilibria in alkaline media, 24:19057
- HIRSCH, Ronald Henry Untrapping of electrons in longitudinal plasma oscillations, 25:22557
- HIRSCH, Ruth Prog. rpt. on the mechanism of antibody production, final, 2/25/71, 25:26146 (UCSD-34-P-148-X-1)
- HIRSCHBERG, J. G. Doppler temperature of the solar corona, 24:37128
  - Ion temperature in a plasma produced by contact ionization, 21:29207
  - Single-field polarizing spectrophotometer for measuring mass motion in a plasma, 21:17942
- HIRSCHBERG, Joseph G. Automatically swept photoelectric Fabry—Perot spectrometer, 23:20043 (MATT-562)
  - Fabry—Perot duochromator for measurement of small wavelength displacements of spectral lines, 21:3637 (ORNL-4019)
- HIRSCHBIEGEL, H. Isotope diagnosis of processes involving the posterior cerebral fossa, 25:2578
- HIRSCHBIEGEL, Horst Blocking of the thyroid gland for cerebral scintigraphy, 22:36313
  - Radioactivity measurements following incorporation of ^{99}Tc in brain tumors, 25:32464
  - Rate measurement of RISA uptake by brain tumors, 23:38686
- HIRSCHEL, E. H. Radial flow through a one-dimensional gas centrifuge, 25:54890 (K-Trans-61-3)
- HIRSCHEL, Ernst Heinrich Finite difference equations for calculating three-dimensional boundary layers, 25:2040 (SC-T-70-4038)
- HIRSCHFELD, D. Composition and properties of the binder metal in cobalt bonded tungsten-carbide, 25:29980
  - Composition and properties of the binder in tungsten carbide—cobalt alloys, 25:45122
  - Composition and properties of the binder metal in cobalt bonded tungsten carbide, 25:55630
- HIRSCHFELD, I. Seasonally induced effect of castration on the uptake of radioiodide (^{131}I) by the thyroid of the rat, 22:14966
- HIRSCHFELDER, J. O. Application of exchange perturbation theories to the delta-function model of H_2^+, 24:6355
  - Comment on approximate molecular orbitals. III, 22:41377
  - Energy of interaction between H atoms by Gaussian-type functions, 21:43747 (N-67-20421)
- HIRSCHFELDER, Joseph O. Adiabatic corrections to long-range Born—Oppenheimer interatomic potentials, 24:32631
  - Exchange perturbation calculations for H_2 at large separations, 23:18389
  - Forecast for theoretical chemistry, 21:5062 (N-66-29707)
  - Hartree—Fock calculations for ground state and first excited state of H_3, 24:49005
  - Hyperfine splitting of interaction energy in H + D and in D + D, 22:43872
  - Interaction energy between two excited hydrogen atoms, 21:37143
  - New partitioning perturbation theory. III, 24:37271
  - New partitioning perturbation theory. II, 24:37272
  - New partitioning perturbation theory. I, 24:37273
  - Separation of rotational coordinates from the N-electron diatomic Schroedinger equation, 23:3294
  - Spontaneous ionization of a H atom in an electric field. I, 25:52621
- HIRSCHHORN, I. S. Commercial production of rare earth metals by fused salt electrolysis, 22:21677
  - Commercial production of rare earth metals by fused salt electrolysis, 22:23729 (CONF-670502-, pp 728-39)
  - Recent applications of the rare earth metals in nonferrous metallurgy, 25:679
- HIRSCHHORN, J. S. Prog. rpt. on effect of surface tension on sintering rate of metal alloys, annual, 1967, 22:10923 (COO-1587-2)
- HIRSCHHORN, Joel S. Forging of powder metallurgy preforms, 25:42829
- HIRSCHHORN, Kurt Advances in human genetics. Volume 1, 25:21659
- HIRSCH-KAUFFMANN, Monica Inhibition of modification and restriction for phages lambda and T1 by Co-infecting T3, 22:52052
  - Transfer of ultraviolet light induced thymine dimer from parental to progeny DNA in bacteriophage T1 and T4, 23:2788
- HIRSCHKOFF, E. C. Enamel: magnetic thermometer useful into millidegree region, 25:18328 (UCSD-34-P-143-34)
  - Magnetization of dilute Cu—Mn alloys at very low temperatures, 25:6256 (UCSD-34-P-143-33)
  - Static nuclear magnetism of pure metallic copper in low magnetic fields, 25:18327 (UCSD-34-P-143-28)
- HIRSCHMANN, H. Numerical investigation of reduced form (reentrant cavity) for superconducting proton linear accelerator in energy range 1- to 60-MeV, 25:25572 (NP-18724)
  - Stereochemistry and kinetic isotope effects in reactions of androsterone p-toluenesulfonate, 21:30416
- HIRSCHMANN, Wolf-Dietrich In vitro effects of steroids and radiation on the incorporation of ^{14}C—thymidine, ^{14}C—uridine, and ^{14}C—leucine into Ehrlich ascites tumor cells of mice, 24:11935
- HIRSCHWALD, W. Self-diffusion and diffusion mechanisms in tungsten, 21:3503
  - Surface diffusion of tungsten, 21:3504
- HIRSH, M. N. Fluorescence yields of photons from N_2 and air excited by electrons, 24:28099
  - Ionization and attachment in O_2 and airlike N_2—O_2 mixtures irradiated by 1.5-MeV electrons, 23:12546
  - Laboratory facility for ionospheric reaction studies, 22:48408
- HIRSHBERG, J. Helium-enriched interplanetary plasma from proton flares, 25:47289
  - Interplanetary field and geomagnetic variations: a unified view, 23:42073
  - Interplanetary magnetic field during rising part of solar cycle, 24:4960
  - Propagation of solar flare plasma through interplanetary space, 24:37090 (N-70-18783)
  - Solar flare induced interplanetary shock, 24:10268
- HIRSHBERG, Joan Transport of flare plasma from Sun to Earth, 22:24171
- HIRSHFELD, A. C. Interpretation of ($d\pi$) enhancement around 2.2 Gev/c^2, 24:10668
  - Phenomenological analysis of multiparticle production reactions, 24:28569
  - Vertex-strength-algebra treatment of vector-meson photoproduction, 23:5577
- HIRSHFELD, Alan T. Transition mixing ratios determined from a study of the electron and gamma-ray distributions from oriented ^{192}Ir, 25:7881
- HIRSHFIELD, J. L. Absorption of electrostatic waves by plasma electrons, 22:17675
  - Collisionless absorption of electrostatic plasma waves, 21:35159 (CONF-670104-Pt.2, pp 475-89)
  - Free-streaming and spatial Landau damping, 22:17680
  - Interpretation of spatially decaying ion-acoustic waves, 25:19741
  - Kinetic model of Tonks—Dattner resonances in a positive column, 21:42107
  - Negative electron cyclotron resonance absorption due to collisions, 21:37127
  - Pulse-stimulated emission from plasma columns, 22:13456
  - Radiation from the two-stream instability, 24:23982
  - Symmetry considerations for grid-launched ion—acoustic waves, 24:26272
  - Symmetry considerations for grid-launched ion-acoustic waves, 25:19742
- HIRSHFIELD, Michael Stabilizing effects of D_2O on the microtubular components and needle-like form of heliozoan axopods: a pressure—temperature analysis, 25:32518
- HIRSHOWITZ, Bernard Surgical treatment of chronic radiation injuries of axilla and shoulder, 25:29569
- HIRSHWALD, W. Surface structure of tungsten wires heated by direct current in a vacuum, 21:13203
- HIRST, D. V. Data terminal network with access to a large computer complex, 23:9785 (BNL-13045)
  - New kind of radiation analyzer, 22:28128
- HIRST, E. A. Analysis of round, turbulent, buoyant jets discharged to flowing stratified ambients, 25:57245 (ORNL-4685)
- HIRST, Eric Analysis of buoyant jets within the zone of flow establishment, 25:51320 (ORNL-TM-3470)
- HIRST, L. L. EPR and magnetic susceptibility in solid solutions of rare earths in noble metals, 22:15615
  - Magnetic hyperfine splitting in Er as dilute impurity in Zr, 23:49014
  - Moessbauer study of local moments of Er in Zr, 24:28447
  - Moessbauer study of paramagnetic relaxation of Er in Zr, 24:28423
  - Superconductors containing impurities with crystal-field split energy levels, 24:5133
- HIRST, W. H. Design and development of fast reactor fuel assemblies, 24:46048
- HIRSZOWSKI, Julien Excitation of singlet and triplet He levels by H^+, H_2^+, H_3^+, 24:17684
  - Polarization of He de-excitation light under H-ion impact, 25:7164
  - Study of 3 ^1P—2 ^1S line of He excited by H ion beam, 25:43129
- HIRT, C. W. Computer studies of time dependent flows, 21:41877 (LA-DC-8789)
  - Computer studies of time-dependent turbulent flows, 22:49016 (LA-DC-9578)
  - General corrective procedure for the numerical solution of initial-value problems, 22:17834
  - Solution of the Born—Green—Yvon equation for a high density one-component plasma, 21:18689
- HIRT, Cyril W. Generalized transport theory of anisotropic turbulence, 23:31253 (LA-4086)
- HIRT, Peter Acceleration and motion of ions in corona and solar wind, 24:37101
  - Acceleration and motion of ions in corona and solar wind, 24:51339 (N-70-28989)
- HIRT, W. Experimental study of production of charged pions in collisions protons-core at 600 MeV, 23:51856 (CERN-69-24)
  - Neutron—proton radius difference and pion production by protons on nuclei, 23:23495
  - Study of $\pi^+d \rightarrow pp$ for pion energies between 142 and 262 MeV, 25:1417
- HIRTH, Antoine Interferometry of rapid phase objects by holography with two wavelengths, 24:42660
- HIRTH, J. P. Analysis of L and Y tilt boundary intersections formed during creep in molybdenum, 25:35402
  - Conference on work hardening, Chicago, 11/66, 23:33934
  - Correlation of dislocation substructure with creep properties in refractory metals, 23:48456 (BMI-X-517)
  - Creep behavior of molybdenum single crystals, 24:14773

- Disclination structures in Bloch wall lattices in BaFe$_{12}$O$_{19}$ and SmCo$_5$, 25:12011
- Dislocation substructure from creep in Mo, 24:14774
- Nucleation and growth processes in CVD, 22:6960
- HIRTH, L. J. Process for preparing oxide gel microspheres from sols, 21:3079
- HIRTH, W. Interpretation of radio spectra of extragalactic sources, 25:13835
  - Period distribution of pulsars, 23:34197
  - Synchrotron radiation and variation of electron energy spectra, 21:9265
- HIRTLE, Gordon W. New trends in fallout protection, 22:14742
- HIRUTA, Kotaro Nonexistence of isomeric α decay in ^{154}Dy, 25:39026
- HIRUTA, Y. Method for preventing the pressure increase inside a nuclear fuel container, 24:16823
- HIRUTA, Yasuo Container for a failed fuel, 23:9689
  - Container for radioactive material, 22:48993
  - Method for preventing the pressure increase inside a nuclear fuel container, 22:44940
- HIRVONEN, J. K. Lattice disorder in ion-implanted boron-doped silicon, 25:49977
- HISADA, Kazuko Congenital minor anomalies in mentally retarded children, 23:48253
- HISADA, Kin-ichi Affinity of ^{67}Ga for malignant tumor, 24:34067
  - Angiography using /sup 113m/In—Fe—ascorbic acid, 24:44545
  - Application of digital computer into clinical evaluation of liver scan, 24:32068
  - Clinical application of ^{113}Sn—/sup 113m/In cow (second report), 21:36626
  - Clinical application of clinical data system, CDS-4096 into field of nuclear medicine, 25:37605
  - Diverging collimator, 24:33913
  - Intravenous radioisotope angiography, 23:6515
  - Isosensitive radioisotope scanning, 21:10972
  - Medical universal human counter. IV, 22:33655
  - Reaction (γ,n) induced by 26-MeV x rays, 24:2753
  - Simultaneous performance of isosensitive scanning and bilaminoscanning, 21:10973
  - Studies on affinity of element in group III in periodic table for malignant tumors, 25:32503
  - Study on the medical universal human counter. III, 21:16358
  - Using digital-computer circuitry for multinuclide scanning, 23:38669
  - Xenon-133-rebreathing technique using the scintillation camera, 22:45302
- HISADA, T. Earthquake resistant design for nuclear power plants, 23:4291
- HISADA, Taro Activation analysis of cancerous tissue. I, 22:47
  - Diagnosis of malignant tumor with ^{67}Ga-citrate. I, 24:34458
- HISADA, Toshihiko Earthquake resistant design for nuclear power plants, 23:32974 (CONF-681101-35)
- HISADOME, Yoshio Domestic production of nuclear power generation equipment, 22:42280
- HISAM, E. Ignition and pre-ionization of pulse discharge with two symmetric high-voltage sparks and arc discharge, 21:40035 (IHT-2-10)
- HISANO, Katsukuni Design problems of nuclear steam turbines, 21:41078
- HISANO, Kingo Determination by x-ray fluorescence of barium and strontium in barium carbonate of industrial grade, 25:26167
  - Determination of tantalum by x-ray fluorescence analysis in treated tin slag, 23:6083
  - Rapid determination of Nb, Zr, Mn, Cr, V, and Ca, 24:11435
- HISATAKE, K. Decay of 2-year ^{102}Rh, 22:14005
  - Excited states in ^{100}Ru and ^{102}Ru, 22:27169
  - Level structure of ^{105}Pd, 25:3670
  - Level structure of even—even N = 80 nuclei, 22:27175
- HISATAKE, Kazuo Decay of 2.2-hr ^{138}Pr, 22:18273
  - Electron—gamma angular correlation apparatus using a Si(Li) detector, 23:2633
  - Energy levels of ^{135}La, ^{137}La, and ^{156}Tb. II, 24:20406
  - Excited states in ^{100}Ru studied by the decay of ^{100}Rh, 22:18244
  - Existence of new isomer of half-life 24.4 hr in ^{156}Tb, 24:47654
- HISATOMI, Y. Thermal stress in a hollow concrete cylinder, 25:52487 (ORNL-tr-2515)
- HISATSUNE, Hideyoshi Driving device for a pile oscillator, 22:53472
- HISATSUNE, I. C. Chemical reactions in ionic matrices, 23:15848
  - Infrared spectra of isotopic hyponitrite ions, 21:10321
  - Infrared spectrum of matrix-isolated cyanate ion. I, 24:25045
  - Matrix isolation and decay kinetics of carbon dioxide and carbonate anion free radicals, 24:41365
- HISCOCKS, S. E. R. Growth and properties of single crystal LaB$_6$, 25:42947
- HISCOTT, J. E. Gamma-ray branching ratio in decay of ^{95}Zr, 22:20560 (AERE-R-5342)
- HISE, E. C. Analyses of vertical-tube and multistage-flash multieffect evaporator plants, 21:38833 (ORNL-TM-1929)
  - Design of 250-MGD vertical tube evaporator for seawater desalination, 21:41063 (ORNL-TM-1901)
  - MSRE design and operations report. X, 22:32782 (ORNL-TM-910)
  - Process description of a 2.5 Mgd upflow VTE, 24:24961 (ORNL-TM-2963)
- HISHAW, R. J. Prog. rpt. on compression molding of laminates, FY 70-4, 25:44226 (BDX-613-327)
  - Prog. rpt. on transfer molding of close tolerance parts, 5/71, 25:37162 (BDX-613-283)
  - Transfer molding close tolerance parts, 25:10341 (BDX-613-166)
- HISHIDA, M. Hydraulic performance in rod bundles of fast reactor fuels, 24:52917
- HISHINUMA, A. Behaviour of boron in stainless steel detected by fission track etching method and effect of radiation on tensile properties, 25:29913
- HISHINUMA, N. Determination of Mn, Cu, Zn, and Cd in gallium arsenide, 24:13783
- HISHINUMA, Noboru Preparation of carrier-free niobium and technetium from proton-irradiated enriched targets, 22:50994
  - Preparation of carrier-free silver from proton-irradiated palladium, 21:22020
- HISHIYAMA, Sadao Magnetic and switching properties of fine Mo-permalloy ribbon, 23:12305
  - Magnetic stress sensitivity of roll-flattened Mo—Permalloy ribbons, 22:31367
- HISHIYAMA, Y. Negative magnetoresistance in neutron-irradiated graphite, 25:56319
- HISHIZAWA, Tokutaro Effects of x-irradiation on synthesis of labeled RNA in tumor, 22:30957
  - Rejoining of x-ray-induced breaks in DNA of Ehrlich ascites tumour cells, 23:24520
- HISKES, John R. Analysis of large volume neutral injection magnetic mirror experiments, 21:23232 (UCID-15108)
  - Population distributions. II, 23:25136 (UCRL-50602)
  - Population distributions. II, 23:30345
  - Radiative lifetimes for 2pπ^3PI/sub u/ state of H$_2$, 24:45007
  - Requirements on recovery efficiencies for mirror fusion power systems, 25:1237 (UCRL-50920)
- HISLOP, J. S. Chemical separation of ^{15}O from ^{13}N and ^{11}C, 25:51413
  - Destructive and nondestructive analysis of V for C, 24:5612 (AERE-R-6165)
  - Determination of fluorine in rock materials by γ-activation and radiochemical separation, 25:26193
  - Extraterrestrial in situ 14 MeV neutron activation analysis, 24:27025
  - Extraterrestrial neutron activation analysis, 21:10291
  - Measurement of the lunar surface composition using nuclear activation analysis, 22:4545
- HISSINK, M. Analysis of oxygen and hydrogen in sodium, 25:18863
  - Equipment for sampling sodium, 25:18336
- HISSONG, Dale E. Trace metal accumulation by estuarine mollusks, 22:51329
- HITAOKA, T. Energy dependence of LiF and CaF$_2$ thermoluminescent dosimeters for high energy electrons, 22:16915
- HITCH, B. F. EMF study of LiF—BeF$_2$ solutions, 22:37715 (ORNL-4257)
  - Tests of various particle filters for removal of oil mists and hydrocarbon vapor, 21:2829 (ORNL-TM-1623)
- HITCH, James W. Review of low-energy-source applications, 22:2312 (ORNL-IIC-10(Vol.1), pp 1-17)
- HITCHCOCK, A. A. C. Clinical results with a color-recording rescanner, 21:41442
- HITCHCOCK, A. J. Some investigation on the effects of neutron irradiation on carrier lifetime in ultra pure silicon, 22:15552 (AWRE-O-69/64)
- HITCHCOCK, Anthony John Michael Improvements in or relating to desalting plant comprising a nuclear reactor, 22:37524
- HITCHCOCK, C. Gas—liquid radiochromatography, 25:23529
- HITCHCOCK, E. T. Purification of transplutonium actinides produced in underground thermonuclear explosions, 21:39008
- HITCHCOCK, J. A. Heat transfer in finned tubes, 21:43164
  - New high-stability nickel alloy thermocouple, 25:57876
- HITCHCOCK, J. A. G. New series-connected tunnel diode scaler, 23:29273
- HITCHCOCK, J. T. ^{239}Pu unresolved resonance data for ENDF/B, Version II, 24:40604 (GEAP-13591)
  - Control rod worth measurements in the ZPPR-2 Benchmark core, 25:41523
  - Spectral effects in multigroup kinetics, 23:37703
- HITCHCOCK, John L. Structure of irregular galaxy NGC 4449, 22:36647
- HITCHEN, A. Polarographic and amperometric methods applied to metallurgical analysis, 21:5788
- HITCHENS, A. L. Nondestructive testing of Apollo CSM spacecraft ordnance devices, 24:29470
- HITCHINS, A. D. Role of disulphide bonds in the resistance of B. cereus spores to gamma irradiation and heat, 21:24483
- HITCHMAN, Jack W. Effects of K, Rb, Diamox, and aldosterone on ^{86}Rb retention in the rat, 23:6361
  - Effects of K, Rb, Diamox, and aldosterone on ^{86}Rb retention in rat, 24:5983
- HITE, G. E. Absorption corrections and cuts in the Regge pole model, 25:19976
  - Absorption corrections or B-exchange as major secondary contribution in $\pi^+ \rightarrow \omega p$, 25:41010
  - Effective range parameter in S-wave pion—nucleon scattering, 25:20010
  - Implication of s-channel helicity properties on Regge poles, 25:33737
  - Kinematic singularities and threshold relations for helicity amplitudes, 22:35145
- HITE, Gerald E. Comparison of Regge pole model to experiment for $\pi N \rightarrow$ rhoN, 22:9588 (RLO-2041-1)
- HITE, Gerald Eugene Regge pole and K-matrix models for two-particle reactions, 22:48373
- HITE, J. R. Improved sample geometries for fast neutron irradiations, 22:27807
- HITE, J. Roger Fast-neutron effects on the vacuum wall of a thermonuclear reactor, 21:6846
- HITE, Joe Roger Some studies on the radiolysis of benzene, 21:24044
- HITLIN, D. Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 23:49422
  - Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 24:52603
  - Magnetic dipole and electric quadrupole hyperfine effects in ^{209}Bi muonic x rays, 21:40455
  - Measurement of nuclear gamma ray in muonic ^{152}Sm, 21:27611
  - Muonic atoms. I, 25:3661
  - Parameters of the charge distribution of deformed nuclei, 24:52601
  - Resonance process and intensity anomaly in muonic ^{127}I, 24:52604
- HITOMI, Teiichi Thermoluminescence of Y$_2$O$_3$—Al$_2$O$_3$:Tb phosphors, 23:7805 (CONF-680920-, pp 27-42)
- HITOMOTO, Tamotsu Integral dose measurement in routine intra-oral radiographic procedures, 21:12869
  - New method of integral dose measurement with a plastic scintillator phantom, 21:22418
- HITOTSUYANAGI, Hajime Production of saddle-shaped superconducting magnet, 23:30457
- HITOTUYANAGI, Zyuiti Evolution of massive stars during the early main-sequence phase, 22:36671
- HITOV, Joseph J. Irradiated polyethylene, 25:29115
- HITSCHOLD, R. Measurements of RF-absorption of superconducting resonators, 23:28189
- HITTELMAN, Walter N. Chromosome aberrations produced by neutrons, 22:51492 (UCRL-18432)
- HITTERMAN, R. L. Neutron diffraction cryo-orienter, 25:36080
- HITTMAIR, A. Bladder complications following radiotherapy of cervical carcinoma, 23:29880
  - Changes in the ureter in radiotherapy of cervical cancer, 23:29873
  - Roentgenological evaluations of the pelvis in obstetrics, 23:26807
  - Treatment of bladder ulcer after radium and x irradiation of cervical cancer, 23:26945
- HITTMAIR, Anton Experience with radium applicators enclosed in malleable silicon substances, 22:45652
- HITTMAIR, O. Angular distributions from nuclear reactions, 21:2762
  - Temperature dependence of the critical magnetic field of superconductors, 24:28192
- HITTMANN, Fred Importance of plutonium recycle, 22:53344
- HITZEROTH, W. Photoproduction of neutral pions on protons near threshold, 23:21039
- HITZSCHKE, U. Design of a repair device for a sodium—sodium heat exchanger, 24:39113 (NP-18292)
- HIURA, J. Alpha cluster plus ^{16}O-core model for ^{20}Ne, 24:45767
  - Alpha cluster structure in ^{12}C, 24:45745
- HIURA, Jun Alpha—deuteron cluster structure for ^{6}Li and ^{6}Li(p,2p)^{5}He reaction, 22:26885
  - Alpha-cluster plus ^{16}O-core model for ^{20}Ne, 24:8863
  - Alpha-cluster structure in ^{20}Ne and neighboring nuclei, 22:26972
  - Reaction ^{6}Li(p,2p)^{5}He and alpha—deuteron cluster model for ^{6}Li, 21:40481
  - Reaction ^{6}Li(p,2p)^{5}He and alpha-deuteron cluster model for ^{6}Li, 22:32497
  - Reaction ^{9}Be(α,2α)^{5}He and alpha-particle model for ^{9}Be, 21:13806
- HIVERT, A. A refractory material resisting thermal shock: impregnated tantalum carbide, 21:18312
  - Impregnated tantalum carbide, 21:20574
  - Mechanical properties at high temperatures of some ultrarefractory carbides, 22:31484
  - Mechanical properties at high temperatures of ultrarefractory carbides, 24:6257 (SC-T-69-1059)
  - Production of refractory alloys as powders, fibers, and as fritted billets, 24:4747
- HIVERT, Andre Impregnated tantalum carbide, 22:19627 (LA-tr-67-112)
- HIVERT, V. Defect studies in irradiated ferromagnetic metals or alloys, 21:40117
  - Internal friction in low temperature irradiated B.C.C. metals, 24:21849 (CEA-CONF-1487)
  - Internal friction in low temperature irradiated bcc metals, 24:48837
  - Point defects in iron, 23:16868 (CEA-CONF-1030)
  - Return of resistivity of Nb irradiated with electrons at 20 deg K, 21:512
- HIWANO, Kunio Radiation curing of mixture of diallylphthalate prepolymer and vinyl monomer. V, 25:10608 (JAERI-5026, pp 121-9)
- HIYAMA, Tetsuo Thermal neutron reactor study group, 25:28712
- HIYAMA, Y. Uptake of radionuclides by aquatic organisms: exponential model, 24:7786
- HIYAMA, Yoshio Effects and protection of radiation from atomic facilities. II, 23:43506
  - Uptake of ^{65}Zn and the concentration factor on Zn in marine organisms. I, 23:2760
- HIYAYAMA, Hiroshi Rare-earth elements spot-lighted by development of their separation techniques, 25:26343
- HIZAWA, Kazuo Primary hepatoma after injection of Thorotrast, 22:31165
- HIZO, J. Experimental methods for the testing of air equivalence conditions of ionization chamber wall materials, 21:26194
  - Transfer measuring equipment for the comparison of R standards in a wide energy range, 21:26195
- HIZUME, Ichiro Using digital-computer circuitry for multinuclide scanning, 23:38669
- HJAERNE, L. Neutron data compilation at International Atomic Energy Agency, 23:5770
- HJALMARS, S. Derivation of canonical first-order field equations, 21:4117
- HJALMARSON, A. Coupled waves in magneto-ionic media. I, 21:33391 (AD-640237)
- HJELLMING, R. M. Black and white holes, 25:35820
  - Detection of radio emission from Antares, 25:13804
  - Further radio observations of novae, 25:11599
  - Intensities of radio recombination lines, 23:25063
  - Intensities of radio recombination lines. II, 24:4938
  - Low-energy cosmic-ray spectrum, 24:3205
  - Non-LTE analysis of data on radio recombination lines for five H II regions, 25:40243
  - Properties of H II regions, 24:23657
  - Properties of interstellar clouds, 23:39169
  - Radio emission from Antares B, 25:52508
  - Radio emission from x-ray sources, 25:47246

Radio novae, 25:803
Radio observations of Nova Scuti 1970, 25:30091
Radio recombination lines and non-LTE theory: a reanalysis, 25:16680
Radio recombination lines emitted by Orion nebula, 24:4911
Radio sources associated with Scorpius X-1, 25:19362
Radio stars, 25:52551
HJELLMING, Robert M. Coupling between star formation and the formation of H II regions, 25:24708
Effects of stellar evolution on properties of H II regions, 23:5134
General solution of the b/sub n/ problem for gaseous nebulae, 23:36327
Theoretical analysis of methods of interpreting radio-line data from H II regions, 23:44078
HJELM-HANSEN, M. Prediction of burnout in annuli, 23:38163 (RISO-M-905)
HJERTBERG, C. G. Use of radioisotopic thermoelectric generators in aids to navigation in Sweden, 21:26088
HJERTBERG, Carl G. Sweden's first isotopic-powered lighthouse, 22:28019
HJORT, P. F. Effects of Th dioxide upon blood clotting and platelets. I, 21:28634
Effects of Th dioxide upon blood clotting and platelets. II, 21:30886
HJORT, S. A. Rotational states in ^{168}Yb, ^{169}Yb, and ^{170}Yb, 25:28394
HJORTENBERG, P. E. Anthracene gelatine films for luminescence degradation dosimetry, 23:33539
HJORTH, Niels Contact dermatitis. I, 22:49598
HJORTH, S. A. Analysis of (d,α) reactions on isotopes of Fe, Ni, and Cu, 21:5522
Analysis of elastic scattering of 14.5-MeV deuterons on isotopes between ^{54}Fe and ^{124}Sn, 22:44639
Analysis of some deuteron-induced reactions in ^{63}Cu and ^{65}Cu, 21:5523
Analysis of some deuteron-induced reactions in the Sb isotopes, 21:5547
Analysis of some deuteron-induced reactions in the indium isotopes, 21:5546
Anomalous rotational band in ^{161}Er, 23:28314
Decoupling parameter for the $^1/_2^-$[541] rotational band, 24:22235
High-spin rotational and three-quasiparticle excitations in ^{177}Ta, 25:15036
Low-lying high-spin states in ^{155}Gd, 25:3700
Nuclear equilibrium deformation and the moment of inertia of the 11/2$^-$ [505] band, 25:23039
Positive-parity bands in erbium isotopes, 24:38225
Properties of rotational bands in ^{181}Re, ^{183}Re, and ^{185}Re, 23:23723
Rotational bands in ^{181}Re and ^{183}Re, 22:27164
Rotational spectrum of ^{161}Ho, 25:17895
HLA, Yin Yin Semi-empirical formula for K-shell photoeffect in intermediate and high Z atoms, 25:49727
HLADKA, Marta Binding of ^{131}I by heart proteins in the rabbit, 21:8699
HLADKY, E. Burst cartridge detection, 23:40294
Checking the leak tightness of fuel-element cans in gas-cooled reactors, 25:48238
Problems of radioiodine in nuclear power plants, 25:37567
Radioiodine in nuclear power reactors, 25:57100
System of radioactive products control in gas coolant of nuclear reactors, 25:57033
HLADKY, Eduard Burst cartridge detection in power plant A 1, 24:45990
HLADKY, J. $\pi^-p \rightarrow$ etan cross section in small transfer range at 4 GeV/c, 24:26378
Reaction $\pi^-p \rightarrow \pi^0n$ at 4.0 GeV/c, 23:27751
Spark chambers for measurements of elastic backward scattering of positive pions by protons, 21:17837
HLA PE Radioactive fallout in air during 1966—67, 23:38122
HLASNIK, I. Anisotropy of Nb_3Sn superconducting tape and effect on performance of magnets, 24:42627
Macroscopic phenomenological electrodynamics of Type-II superconductors, 25:19597
Magnetic flux concentration in bulk hollow superconducting cylinders, 23:23038
Transition of homogeneous type-II superconductor cylinder, 23:14712
HLAVAC, P. J. Heat transfer to mercury, 24:4406
Heat transfer to mercury flowing in-line through an unbaffled rod bundle: effect of rod displacement on local surface temperature and local heat flux, 24:46422
Heat transfer to mercury flowing in-line through an unbaffled rod bundle: experimental study of the effect of rod displacement. I, 25:23734 (CONF-681209-4)
HLAVAC, T. Ambiguity in the density spectrum of cosmic-ray extensive air showers, 25:55905
HLAVAC, Teodor Spectrum of cosmic-ray extensive air shower in high mountains, 24:32697
HLAVATY, V. Effect of ionizing radiation on fetus, 23:29866
Radioprotective effects of phytourease, 24:25505
Research on Riemannian spaces, 21:23289 (ARL-66-0194)
HLAVATY, Vlastislav Biophysical parameters of blood serum after whole-body x irradiation, 22:10680
Surface tension of blood serum after whole-body x irradiation, 24:50924
HLAWICZKA, P. Effect of H/sub c1/ on ac losses in Nb, 22:2985
Flux jumping phenomena in sputtered cylindrical niobium films, 22:41520
Flux penetration and ac losses in superconducting niobium, 22:5295
Generalized critical-state model of Type-II superconductors, 23:3423
Simultaneous ac and dc currents in ring-shaped type-II superconductors, 21:35117
Surface structure and ac losses in superconductive niobium, 23:3424
HLAWKA, E. Differentiable manifolds, 25:20068
HLEBOWICZ, J. Control systems of gamma-radiography machines with long-distance projection of radiation source, 24:400
Pneumatic system for displacing radiation source in gamma-radiography machines, 24:25166
HLEVCA, B. Inactivation of influenza virus by gamma radiation, 24:17178
Inactivation of influenza virus by γ radiation, 25:52272
Radioprotective effect of ethylene glycol on bacteria, 25:58157
HLINIAK, A. Diagnosis of bone-tumors with ^{85}Sr, 21:36661
Histochemical studies on cellular response of human skin cancer in the course of x-ray therapy, 25:49263
HLINIAKOWA, Irena Activity in patients subjected to intralymphatic radiotherapy, 23:50782
Causes of deaths of patients with carcinoma of uterine cervix after radiotherapy, 21:18089
Radiolymphography with the application of ^{131}I. I, 24:17095
HLISCS, R. Energy angular distributions of ion-excited electrons from Cu, 24:21878
HLUBEK, W. Design and construction of nuclear power plants with gas turbines, 24:9137
Stationary behavior of gas turbines in nuclear plants, 25:10251
HLUCHAN, E. Cesium-137 uptake from food, 22:40682
HLYNKA, I. Dough and gluten in D_2O, 23:2801
HNAKE, W. Program for solution of the stationary neutron transport equation with spherical symmetry, 25:28147 (JUL-683-MA)
HNATOWICH, D. J. Decay of ^{102}Cd, 24:52620
Decay of ^{104}Cd, 25:12475
Decay of 1.2 min /sup 113m/Ag and 5.3 h /sup 113g/Ag, 23:32936
Decay of 20 min /sup 115g/Ag, 24:30819
Decay of Cd isotopes, 25:20422
HNATOWICZ, V. Gamma radiation from the decays of ^{189}Pt and ^{191}Pt, 24:18420
New transitions observed in ^{188}Pt decay, 24:18421
HNILICA, L. S. Thymidine—^{3}H incorporation into DNA by histones from tumor tissues, 22:439
HNILICKA, M. P. Jr. Equipment for a very high vacuum, 24:36464
HNIZDO, V. Collective-model analysis of inelastic proton scattering using potentials derived from nuclear matter distributions, 25:38937
Collective-model analysis of inelastic proton scattering using potentials derived from nuclear matter distributions, 25:53717
Elastic scattering of 30.3-MeV polarized protons from ^{40}Ca, ^{56}Fe, and ^{59}Co, 25:34016
Elastic scattering of polarized protons from ^{58}Ni, ^{120}Sn, and ^{208}Pb, 25:3636
Elastic scattering of protons by ^{16}O in energy range 16 to 30 MeV, 23:39968
Microscopic analysis of 30.3-MeV inelastic proton scattering by light nuclei, 25:53646
Polarization in ^{11}B(p,p) and ^{11}B(p,p') at 30.3 MeV, 23:42868
Polarization in ^{11}B(p,p') at 30.3 MeV, 24:43142
Resonance effects in proton—oxygen elastic scattering, 24:43153
Scattering of polarized protons by ^{54} ^{56}Fe, ^{58}Ni, ^{120}Sn, and ^{208}Pb, 24:52518
HO, Bong Coupled-mode description of beam—plasma interaction, 24:10539
Electroacoustic resonance in plasma layer surrounding a metallic cylinder, 22:52793
HO, C. Resonance capture integrals of ^{166} ^{167} ^{168}Er and ^{171} ^{172} ^{174}Yb, 24:33156
Resonance parameters and resonance capture integral of ^{151} ^{153}Eu and ^{152} ^{154}Sm, 24:6918
HO, C. Y. Computerized calculation of dose distributions for radiotherapy, 23:29512
Conference on thermal conductivity, West Lafayette, Ind., 10/68, 24:39646
Influence of time-dependent coupling coefficients and delay times on the kinetics of a modular fast reactor core, 22:35544
Thermal conductivity of metallic elements, 23:6686
Thermal conductivity of non-metallic elements at normal temperature, 23:6743
Thermal diffusivity of the elements, 24:39652
HO, Che-Hui Nuclear weapons and their defense, 22:35961 (AD-661893)
HO, Chieh Application of spectroscopic methods for measurements of plasma electron temperature and density, 21:29205
Titanium as an encasement for ^{60}Co with special reference to a pneumatic afterloading therapy unit, 25:22062
HO, F. F.-L. Nuclear magnetic resonance studies of configuration and ligand conformation in paramagnetic octahedral complexes of nickel(II). V. Complexes of ethylene(dinitrilo)-N,N,N',N'-tetraacetate, trans-1,2-cyclohexane(dinitrilo)-N,N,N',N'-tetraacetate, 25:23567
HO, H. S. Algebraic solutions of cyclotron resonance interaction, 25:17221 (D-1-82-1010)
Some algebraic solutions of the cyclotron resonance interaction, 25:43403 (AD-715636)
HO, I-djen Direct observation of dislocation networks and moire fringes in graphite foils with an electron microscope, 22:26470
HO, J. C. Effect of paramagnetic centers on superconducting transition in oxygen-deficient $SrTiO_3$, 23:32304
Empirical determination of the electronic specific heat enhancement factor in transition metal alloy superconductors, 25:33199
Enhancement of superconducting transition temperatures in martensitic Ti—Mo alloys, 23:32282
Heat capacity of α—Ce at a pressure of 11 kbar between 0.3 and 6°K, 22:31987
Influence of microstructure on superconductivity of dilute Ti—Mo alloy, 24:37406
Influence of ω phase on superconductivity of Ti—Mo alloys, 23:30475
Magnetic-susceptibility and low-temperature specific-heat studies of Ti, Zr, and Hf, 25:36340
HO, J. H. C. Electron beam therapy as a method of treatment of nasopharyngeal carcinoma, 23:6540
HO, L. C. Differential resistance of Type-I superconductor, 24:51582
HO, Lai-chak Two-band model in flux flow of type-II superconductors, 25:1113
HO, Lydia Su-yong Gamma-irradiation of myoglobins, 22:38210
HO, Monto Virus and DNA synthesis in x-irradiated human kidney cell cultures exposed to adenovirus type 12, 22:51457
HO, N. S. Time-dependent effects associated with the 50°K resistivity anomaly in Pd—H and Pd—D systems, 24:9288
HO, P. S. Observation of void formation induced by electromigration in metallic films. report no. 1447, 25:12899 (NYO-4185-1)
Quasi-harmonic calculation of lattice dynamics for sodium, 22:3194
HO, Paul S. Application of pseudopotentials to calculation of vacancy formation energy and volume for alkali metals. report no. 1486, 25:12900 (NYO-4185-2)
Continuous wave ultrasonic interferometer to measure small changes in velocity of sound of materials, 25:2013 (NYO-2504-77)
Pressure dependence of elastic constants for Ag from 77°K to 300°K, 25:44271 (NYO-2504-59)
HO, Pei-pin Effect of translational-diffusion mechanism on low-field NMR spin—lattice relaxation time, 22:24439
HO, R. J. Determination of free fatty acid by radiochemical assay, 24:4236
Radiochemical assay of long-chain fatty acids using ^{63}Ni as tracer, 24:41219
HO, S. K. Nanosecond pulse radiolysis of polystyrene and poly(methy methacrylate), 23:13771
Nanosecond pulse radiolysis of polystyrene and poly (methyl methacrylate), 23:26260 (AD-680759)
Pulse radiolysis of polystyrene, 22:10276
Pulse radiolysis of polystyrene, 22:42700 (AD-664883)
HO, S. T. Electron energy distribution within a curved channel multiplier, 25:34905
HO, T. H. 1p shell hypernuclei deformation and Majorana exchange binding energy effects, 24:3699
Effect of density dependent N—N forces on 1p shell hypernuclei binding energies, 24:30948
HO, Tso-jen Hamiltonian form and the radiation field in magneto-plasma, 22:9314
HO, W. Pure rotational spectrum and electric dipole moment of CH_3D, 24:9301
HO, Yi-chen Preliminary analysis of a set of dislocation ribbons observed in a graphite foil, 22:26469
HOA, Duong Nhu Reactions $K^-n \rightarrow \Lambda\pi^-$ and $K^-n \rightarrow \Sigma^{-0}\pi^{0-}$ at 3 GeV/c, 23:21057
HOAG, A. Optical search for x-ray sources GX3 + 1, GX5 - 1, GX9 + 1, and GX17 + 2, 24:46923
HOAG, A. A. Photoelectric spectrophotometry of Hγ in early-type stars, 24:17585
Photographic photometry of stars in NGC 457, 23:6806
HOAG, Ethan D. Critical current degradation in wide samples of high-field strip superconductors, 21:11551 (N-66-20038)
Stabilized Nb—Zr strip and its use in large magnets, 21:2179
HOAGLAND, G. W. SPECTRA: a computer program for gamma-ray analysis, 25:46456
HOAGLAND, R. D. Stability of multilayered orthotropic cylindrical shells, 21:35816 (SC-TM-67-519)
HOAGLAND, R. G. Applications of fracture mechanics in evaluating the initiation and propagation of brittle fracture in reactor structural components, 21:31055 (BNWL-SA-377)
Double cantilever beam for determining the fracture toughness of metals, 22:276
Effect of cold work, thermal treatment, and neutron irradiation on fracture toughness of Zircaloy-2, 22:34038 (BNWL-SA-1805)
Effect of strain rate on mechanical properties of austenitic stainless steels, 23:48384 (BNWL-1105)
Fracture mechanisms and radiation effects, 25:27270
Fracture of irradiated Zircaloy-2, 23:34038
Plane-strain fracture toughness of Zircaloy-2 as influenced by cold work and thermal treatments, 21:6811
Radiation effects on coupon properties, 23:16499 (BNWL-746, pp 7.1-34)
HOALST, K. M. Test results of a semiconductor detector nucleonic fuel gage, 22:38124
HOANCA, O. Clearance of colloidal radiogold in diseases of liver, 23:50719
Hepatic scintigraphy with ^{131}I-labelled albumine macroaggregate (application to the diagnosis of hepatic tumors), 25:49231
Interpretation of scintigraphic changes during chronic hepatitis and cirrhosis of the liver, 23:48146
HOANG, Binh-dy Partial maser effect in the recombination rays of hydrogen atoms in a nebular plasma, 23:8369
HOANG, C. T. Evaluation of global fallout of ^{55}Fe as a results of nuclear tests in the atmosphere during 1961 and 1962, 22:48953
HOANG, Chi Trach Meridian transport of artificial radioactive aerosols in the troposphere, 24:7528
HOANG, H. Tran Determination of the isodose in water of high energy electron beams, 22:51697
HOANG, Pham Tan Delay potentials in special relativity, 21:27274
HOANG, Sang Relation between type-III radio bursts and 169-MHz noise storms, 21:26959
HOANG, T. F. Evidence for an I = 0, J = 0 K^0antiK^0 state, 23:27756
Forward and backward $\pi^- + p \rightarrow K^0 + \Lambda^0/\Sigma^0$ at 4 GeV/c, 22:7448
I = 0, S-wave $\pi\pi \rightarrow$ KantiK interaction near threshold, 24:1581

- Investigation of $\pi^-p \to K_1^0K_1^0n$ at 4 and 5 GeV/c, 24:3528
- $K_1^0K_1^0$ threshold enhancement in $\pi^-p \to K_1^0K_1^0n$ at 4 and 5 GeV/c, 22:41745
- Meson multiplicity in high-energy collisions, 25:25448
- Pi diffraction dissociation from nuclei and A_1 resonance, 24:49532
- Thin aluminum foil spark chamber spectrometer, 21:30726
- HOANG, Y. S. Structural expansion and distortion in fast reactors, 24:18650 (KFK-964, Sect. 3.1-15)
  - Structural, expansion, and bending effects in fast reactor. I, 23:9229 (EURFNR-540)
  - Structural, expansion, and bending effects in the fast reactor. III, 23:11179 (EURFNR-542)
  - Structural, expansion, and deformation effects in the fast reactor. II, 23:15599 (EURFNR-541)
  - Structure, expansion, and distortion effect in the fast reactor. III, 22:53278 (KFK-539/3)
  - Structure, expansion, and distortion effect in the fast reactor. II, 22:53277 (KFK-539/2)
  - Structure, expansion, and distortion effect in the fast reactor. I, 23:4182 (KFK-539/1)
- HOANG-BINH, D. Interpretation of radio recombination lines emitted by galactic nebulae, 24:51304
  - Radio recombination lines, 23:10363
  - Stark broadening and radio recombination lines in NGC 7027, 25:13814
- HOANG BINH DY. Enhancement of the stimulated emission of radio-frequency lines of hydrogen, 22:29132
- HOANG CHI TRACH Fallout of artificial ^{55}Fe, 24:25126 (CEA-R-3918)
- HOANG ZUONG QUAN ADC of pulse height analyzer having 8192 channels, 22:43026 (JINR-P13-3911)
- HOAR, Richard M. Effects of radioiodine in embryonic guinea pigs, 24:23312 (CONF-690501-, pp 45-62)
- HOARD, C. SLAC spiral reader project, 23:11849 (SLAC-PUB-529)
- HOARD, J. L. Stereochemistry of tropolonato complexes utilizing higher coordination numbers. I. Nine-coordinate tetrakis(tropolonate)-N,N'-dimethylformamidethorium(IV), 24:33667
  - Structure of β-rhombohedral boron, 24:21394
- HOARE, F. J. 30 kG room-temperature aperture superconducting solenoid, 22:11375
  - Pulsed magnet (300 turn): edgewound from continuous strip, 22:10453
- HOBART, E. W. Application of modified counter-current technique to the determination of tungsten in molybdenum, 22:16437
  - Improvement of the sensitivity of molybdenum and tungsten determination in niobium and tantalum, 22:48837
  - Validity of determining C in Li, 21:21865 (TIM-906)
- HOBART, Everett W. Determination of traces of nitrogen in refractory metals and alloys by hydrofluoric acid—phosphoric acid—potassium dichromate decomposition and indophenol photometry, 22:16448
- HOBART, James L. Power meter for measurement of radiation, 25:57761
- HOBART, R. L. Control of a continuous ion exchange system, 25:57510 (ARH-SA-82)
- HOBBIE, R. K. 3100 computer system, interface instruction manual, 21:47005 (COO-1265-44)
  - Carbon—alpha scattering from 18 to 28 MeV, 22:26910
  - Control system for 90° analyzing magnet, 24:5358 (COO-1265-70)
  - Increasing the flexibility of a computer used for simultaneous data collection and computation, 22:10646
  - Using a computer for simultaneous data collection and computation, 21:26297
- HOBBIE, Russel K. Computer control of analyzing magnet of an MP tandem Van de Graaff accelerator, 23:37053
- HOBBIE, Russell K. Alpha-particle scattering from ^{58}Ni and ^{56}Fe, 24:45768
  - Flexible resident system for the small 3100, 22:12163 (COO-1265-45)
  - Improvements to basic FORTRAN-II, 22:12165 (COO-1265-47)
  - Improvements to the basic assembler, 22:12164 (COO-1265-46)
  - Programming manual, version 1, 22:1917 (COO-1265-42)
  - Reactions (^{7}Li,p), (^{7}Li,d), and (^{7}Li,t) on ^{12}C near 3.5 MeV, 22:3627
  - Scattering of 19 to 30 MeV alpha particles from ^{12}C, 24:24509
  - Scattering of 19- to 30-MeV particles from ^{16}O, 25:45925
  - Sequential reactions from ^{6}Li on ^{9}Be, 22:44623
  - Thin lithium targets sealed in nickel for low oxygen contamination, 23:23592
  - Williams Lab. on-line computer system, 24:8760 (CONF-690301-, pp 191-7)
  - Williams Laboratory on-line computer system, 23:52038 (COO-1265-76)
- HOBBIS, L. C. W. Nimrod: present performance and proposed development, 21:29717
- HOBBS, Betty C. Contamination of meat supplies. I and II, 21:9038
  - Gamma radiation for elimination of Salmonella from frozen meat, 25:6823
- HOBBS, C. H. Some observations on the toxicity of beta-emitting radionuclides inhaled in fused clay particles, 25:29438 (LF-43, pp 197-204)
  - Toxicity of inhaled ^{144}Ce fused clay in beagle dogs. III, 25:29436 (LF-43, pp 183-7)
  - Toxicity of inhaled ^{144}CeCl$_3$ in beagle dogs. IV, 25:29431 (LF-43, pp 128-36)
  - Toxicity of inhaled ^{90}Sr fused clay in beagle dogs. I, 25:29437 (LF-43, pp 188-96)
  - Toxicity of inhaled ^{90}SrCl$_2$ in beagle dogs, 24:34620 (LF-41, pp 1-7)
  - Toxicity of inhaled ^{90}SrCl$_2$ in beagle dogs. IV, 25:29430 (LF-43, pp 123-7)
  - Toxicity of inhaled ^{90}Y fused clay in dogs, 24:34625 (LF-41, pp 46-58)
  - Toxicity of inhaled ^{90}Y fused clay in beagle dogs. II, 25:29434 (LF-43, pp 146-62)
  - Toxicity of inhaled ^{91}Y fused clay in beagle dogs. I, 25:29435 (LF-43, pp 163-70)
  - Toxicity of inhaled β-emitting radionuclides, 25:32529 (CONF-700501-, pp 395-415)
  - Toxicity of injected ^{137}CsCl in the beagle dog. III, 25:29433 (LF-43, pp 140-5)
- HOBBS, G. Botulism hazard in irradiation of fishery products in United Kingdom, 25:24503
  - Elimination of Clostridium botulinum by irradiation, 24:34832
  - Quality assessment and consumer acceptance of irradiated seafoods, 24:2854
  - Status of radiation preservation of fish and fishery products, 24:2862
  - Toxin production by Clostridium botulinum type E in fish, 24:48763
- HOBBS, G. D. Heat flow through a Langmuir sheath in the presence of electron emission, 21:27177
  - Non-adiabatic behaviour of particles in inhomogeneous magnetic fields, 23:32426
  - Properties of linear filamentary multipole magnetic fields, 23:3437 (CLM-R-95)
- HOBBS, Isaac A. Description of AEC chemical processing facilities, 21:40951 (CONF-670542-, Paper 6)
- HOBBS, J. Weld cracking in stainless steel valves, 24:42094 (DP-Report-287)
- HOBBS, J. B. M. Thorium, U, K, Pb, Sr, and Rb in silicate rocks by gamma-spectroscopy and/or x-ray fluorescence, 24:13774
- HOBBS, J. M. Radiation damping in conformally flat universes, 22:35112
  - Vierbein formalism of radiation damping, 22:35118
- HOBBS, John R. Low temperature neutron irradiation facility, 21:1970 (AD-633307)
- HOBBS, John Robert Hot-atom chemistry of ^{35}S, 24:11617
- HOBBS, John T. Reproducibility of the indicator-dilution method using ^{125}I in haemodynamic studies, 21:22615
- HOBBS, L. M. Comparison of the interstellar 21-centimeter and sodium D-lines, 25:33016
  - Interferometric studies of interstellar sodium lines, 23:39123
  - Magnesium abundance in the B stars, 22:49922
  - Profiles of the interstellar sodium D-lines, 23:39122
  - Regional studies of interstellar sodium lines, 24:4871
- HOBBS, Lewis Mankin Venusian and interstellar sodium, 22:11188
- HOBBS, R. A. Hand-probe beta backscatter gauge for radioactive materials, 21:43294 (Y-DA-1582)
- HOBBS, R. H. Intermediate boson. II, 25:59410
- HOBBS, R. W. Distribution of brightness in polarization of Taurus A, 24:1175
  - Flux densities of radio sources at 9.55-mm wavelength, 22:26117
  - Flux density of Taurus A at 4.3-mm wavelength, 23:14506
  - Hα filtergrams of Sun on March 7th 1970, 24:37133
  - Linear polarization observations at 3.6-cm wavelength, 22:17233
  - Linear polarization of radio sources at 2.07-centimeter wavelength, 23:5133
  - Measurement of strong planetary nebulae at short centimeter wavelengths, 25:32913
  - Measurements of the linearly polarized components of radio sources at a wavelength of 3.75 cm, 21:20678
  - Observations of radio sources at 4.3-mm wavelength, 23:51253
  - Observations of seven compact sources in H II regions, 25:9077
  - Polarization measurements of Cygnus A, 21:46065
  - Search for 21-centimeter radiation near cosmic x-ray sources, 21:14933
  - Supernova remnant W-44, 21:5047
  - Variability of linear polarization of 3C 120 and 3C 279, 23:5142
  - Variable radio sources, 23:22755
- HOBBS, Robert W. Evidence for an optically thick component in the galactic radio source Sagittarius B$_2$, 25:30119
  - Flux densities and variability of radio sources at wavelengths of 0.95 and 1.65 centimeters, 24:42391
  - Polarization of strong radio sources at 9.55-mm wavelength, 22:49937
  - Search for 3.5-millimeter continuum radiation from infrared stars and related objects, 25:40164
- HOBBS, W. R. Recent fissile irradiation capsule designs, 21:19479
  - Sodium filled capsules, 24:36092
  - Use of experimental plugs to irradiate instrumented experiments in the core of DFR, 21:22076
- HOBBY, George L. Measurement of ^{14}CO$_2$ assimilation in soils, 24:16949
- HOBBY, Gladys L. Conference on antimicrobial agents and chemotherapy, Chicago, 10/67, 23:32000
- HOBBY, J. A. E. Scanning after renal allotransplantation, 23:43812
- HOBBY, M. G. Measurements of the plasma confinement and ion energy in the dense plasma focus, 25:38496 (CONF-710607-38)
  - Spectra of highly ionized neon and argon in a plasma focus discharge, 23:36677
- HOBDAY, R. Gas-cooled fast reactor using coated particle fuel, 22:42215
- HOBDELL, M. R. Convenient technique for stirring liquid sodium, 24:4400
  - Electrochemical carbon meter for use in sodium, 24:50642 (BNL-14508)
  - Electrochemical carbon meter for use in sodium, 25:37695
  - Equilibrium between sodium hydrogen acetylide and disodium acetylide, 25:54537
  - Initial reaction of carbon monoxide with liquid sodium, 24:25676 (BNL-50197)
  - Performance and applications of an electromagnetic rotary-flow device in liquid sodium, 25:51678
  - Reaction of HCl with liquid Na and Na—Ba alloy, 23:9273 (BNL-13063)
  - Reaction of HCl with liquid Na and Na—Ba alloy, 24:29963
  - Reactions of acetylene and propyne at the surface of liquid sodium, 25:51438
  - Reactions of ethylene and acetylene at the surface of solutions of barium in liquid sodium, 25:51437
- HOBDEN, D. J. Iron metabolism in Mytilus edulis. II, 24:39424
- HOBERMAN, Henry D. Rate of isotope exchange in enzyme-catalyzed reactions, 23:24157
- HOBERT, R. H. Remote decontamination of equipment in radioisotopes separations plant, 21:6110
- HO BIN IM Photoelectronic evaluation of electron radiation damage in CdS crystals, 22:7353 (SU-DMS-68-T-9)
- HOBRECKER, H.-P. Winfrith Heath nuclear power station, 23:47140
- HOBSON, D. O. Characterization of Army PM-1 type reactor fuel elements, 21:10194 (ORNL-TM-1676)
  - Characterization of U$_3$O$_8$ dispersions in Al, 21:13261 (ORNL-TM-1692)
  - Cladding embrittlement during a loss-of-coolant accident, 25:51148
  - Comparison of rupture data from irradiated fuel rods and unirradiated cladding, 24:33329
  - Comparison of rupture data from irradiated fuel rods and unirradiated cladding, 25:41462
  - Deformation and rupture behavior of light-water reactor fuel cladding, 25:60118 (ORNL-4727)
  - Effects of fabrication parameters on textures produced in Zircaloy cladding, 23:36050
  - Evaluation of fuel rod failure transient test of Zircaloy-clad fuel rod cluster in TREAT, 24:18688 (ORNL-TM-2774)
  - Final report on the first fuel rod failure transient test of a Zircaloy-clad fuel rod cluster in TREAT, 25:23342 (ORNL-4635)
  - Fuel rod failure under loss-of-coolant conditions in TREAT, 24:33416
  - Fuel rod failure under loss-of-coolant conditions in TREAT, 25:41509
  - Interpretation of fuel rod failure test results based on test configurations, 25:41467
  - Nonhomogeneous deformation in Zircaloy tubing, 23:24895
  - Pyrolytic W deposition, 22:15155 (ORNL-TM-2074)
  - Texture changes during Zircaloy-4 tubing fabrication, 24:34910
  - Textures in deformed zirconium single crystals, 22:36507
  - Tubing fabrication parameters and their application to texture control in zircaloy tubing, 25:58186 (ORNL-TM-3500)
- HOBSON, David O. Texture control in Zircaloy tubing, 24:6210
- HOBSON, E. A. Composition of human diet, 21:43405
- HOBSON, J. D. Automatic analytical procedure for the colorimetric determination of molybdenum in steel, 23:9324
- HOBSON, J. P. Experimental test of surface phase theory for ultrahigh vacuum systems, 22:30817
  - Mass 1 peak in ionization sources at very low pressures, 21:2056
  - Physical basis of ultrahigh vacuum, 23:6282
  - Pressure equations for the residual gases in an ultrahigh vacuum system, 21:45329
  - Study of thermal transpiration using ultrahigh vacuum techniques, 21:34437
- HOBSON, M. C. Jr. Study of surface chemistry by Moessbauer effect, 22:39199
- HOBSON, R. G. LMFBR steam-generator development, 24:52901
  - Standards required for LMFBR design and construction, 25:46228 (CONF-710315-23)
  - Westinghouse 1000-MWe follow-on study, 23:47165 (ANL-7520(Pt.2), pp 388-416)
- HOBSON, R. M. Analysis of ionization profiles in low pressure shock tubes, 22:29288
  - Experimental measurements of dissociative recombination in vibrationally excited gases, 23:46466
  - Initial ionization rates and collision cross sections in shock-heated argon, 22:52777
  - Shock tube measurements of reaction rates for excitation and ionisation of krypton by atom—atom collisions at thermal energies, 22:29295
- HOBSON, Robert Larrie Representations of neutron spectra for thermal and epithermal energies, 21:17293
- HOBSON, Robert R. Heat shielded thermionic converter, 25:19544
  - Thermionic converter cells for nuclear reactor, 25:60197
- HOBST, L. Prestressing of pressure vessels of nuclear power plants with wrapped reinforcement, 25:60063
- HOCEVAR, C. J. THETA1-B: a computer code for nuclear reactor core thermal analysis, 25:28737 (IN-1445)
- HOCH, Frederic L. Iodine analysis of biological samples by neutron activation of ^{127}I, with scintillation counting of Cherenkov radiation, 25:29030
  - Iodine in mitochondria and nuclei, 23:6399
- HOCH, H. Production of hydrocarbon-free ultrahigh vacuum, 21:43220
  - Production of ultra-high vacuum free of hydrocarbons, 23:26499 (AERE-Trans-1108)
  - Total and partial pressure measurements in the range between 2.10^{-10} and 10^{-13} torr, 21:19888
- HOCH, James A. Chromosomal location and properties of radiation sensitivity mutations in Bacillus subtilis, 24:42039
- HOCH, M. Condensation coefficients of refractory materials. I. AlN and BN, 25:45119
  - High temperature specific heat of body-centered-cubic refractory metals, 23:38956 (GEMP-696)

High temperature specific heat of refractory compounds, 25:22088
High-temperature specific heat of body-centered-cubic refractory metals, 24:34883
High-temperature specific heat of metals and ceramics, 25:55626
High-temperature thermal expansion of UO$_2$ and ThO$_2$, 24:17373
Non-stoicheiometry in ternary oxides with the fluorite structure, 21:34965
Non-stoicheiometry in ternary oxides with the fluorite structure, 22:4897
Non-stoichiometry of tantalum carbide and uranium monocarbide, 22:31450
Thermal conductivities and total emittances of Ta, W, Re, Ta—10W, T-111, T-222, and W—25Re, 24:34874 (BMBW-FBK-70-1, pp 451-74)
Thermal conductivity and total emittance at 1500 to 2800°K, 24:8104
Thermal conductivity and total emittance of W at 1800 to 2800 K, 24:23451 (AD-698357)
Thermal conductivity and total emittance of W from 1800 to 2800°K, 25:13663
Thermodynamic properties of ternary refractory carbides. I, 24:25791 (AD-700765)
Thermodynamic properties of ternary refractory carbides. IV, 24:27824 (AD-700766)
Thermodynamic properties of ternary refractory carbides. III, 24:34943 (AD-701394)
Thermodynamic properties of ternary refractory carbides. I. Zirconium—niobium—carbon, 25:55615
Thermodynamic properties of ternary refractory carbides. II. Zirconium—uranium—carbon and zirconium—hafnium—carbon, 25:55614
Thermodynamics of titanium alloys. II. The Ti—Mo system, 25:58265
Thermodynamics of vanadium alloys. I, 25:8862 (AD-709957)
Thermodynamics of vanadium alloys. III, 25:49403 (AD-720288)
Thermodynamics of vanadium alloys. II, 25:49402 (AD-720287)
Thermophysical properties of Ta, W, Re, and their alloys at 1500 to 3000°K, 21:41600
HOCH, Michael Determination of thermodynamic interaction parameters in solid V—Ti alloys using the mass spectrometer, 25:55489
Non-stoichiometry and bonding in refractory monocarbides, 23:7051
Thermal conductivity of molybdenum at elevated temperatures: influence of grain size and impurities, 21:6806
Thermodynamic properties of ternary refractory carbides. I, 25:24628 (N-71-10740)
Thermodynamic properties of ternary refractory carbides. III, 25:27283 (N-71-10590)
HOCH, P. Corrosion of ceramic materials in a plasma of combustion gases, 23:39018
Forward peaks in single-meson-exchange forbidden reactions, 23:42573
Influence of some alloying elements on the vanadium corrosion of nickel and nickel alloys, 25:29768
Range-momentum scale factor and index of refraction for D$_2$ in 72-inch B. C, 22:32047 (UCID-3162)
HOCH, P. L. $\pi^+n \rightarrow$ eta p: Regge parametrization using Veneziano-type residue functions, 24:1523
HOCH, Paul Peripheral production in the forbidden reaction $\pi^-p \rightarrow Y^{*-}K^+$, 23:14984
HOCH, Paul L. Evidence against an $I = 5/2$ baryon resonance of mass 1640 MeV/c^2, 23:34528
Strange-particle production in π^+d interactions from 1.1 to 2.4 GeV/c, 24:45437
HOCH, Petr [Resistance of] borides in molten metal media, 23:27182
HOCH, R. J. Auroral activity near Banff, Alberta, 24:21693
Location in the magnetosphere of field lines leading to SAR arcs, 25:30376
Midlatitude auroral spectra, 21:37276 (BNWL-SA-1292)
Prog. rpt. on aeronomy research at Richland, Wash., 7/69, 24:8387 (BNWL-1156)
Prog. rpt. on aeronomy research, annual, 8/70, 25:1045 (BNWL-1484)
Prog. rpt. on aeronomy, 7/67—4/68, 22:41438 (BNWL-795)
Reappearance of a stable auroral red arc at midlatitudes, 22:36841
Recent occurrences of stable auroral red arcs, 24:26077
Simultaneous spectrographic triangulation of an SAR arc and a hydrogen arc, 25:55971
HOCH, Richmond Joel Stable [O I] 6300A arcs encircling mid-latitude regions of Earth, 25:24991
HOCHANADEL, C. J. Pulse radiolysis of NO: production of NO$_2$ and N$_2$O$_3$ and production and relaxation of vibrationally excited NO, 23:21759
Vibrationally excited ozone in the pulse radiolysis and flash photolysis of oxygen, 22:25422
Yield of ozone in pulse radiolysis of gaseous oxygen at very high dose rate, 23:11585
HOCHBERG, A. K. Fast high current pulse generator, 21:26282
HOCHBERG, David M. X-ray spectra from dental x-ray generators. III, 23:9997
HOCHBERG, S. Faddeev's equations in the SU(3) representation of a three-particle state, 25:28056
HOCHEID, B. Chemical diffusion in epsilon phase of Pu—Cu system, 25:11387
Effect of β phase-retaining or delta phase stabilizing elements on Pu during alpha—beta thermal cycling, 25:11393
High pressure hydrogen permeability of metals, 24:12400
Studies of the binary systems Pu—Au, Pu—Ga, and Pu—In, 21:32914
HOCHEID, Bernard Thermal diffusivity of Pu alloy stabilized delta phase, 25:29876
HOCHEL, R. Level structure of ^{181}W from the decay of ^{181}Re, 25:15058
HOCHHAEUSER, E. Absolute determination of neutron source strength. II, 24:390
Determination of neutron source strength. I, 23:47749
Precision measuring device for comparing the source strengths of neutron sources, 24:29509
HOCHHEISER, J. S. Liquid metal temperature measurement, 22:36453 (LMEC-Memo-68-10)
HOCHHEISER, Jerome S. Flight test of a nucleonic type aircraft fuel gage, 21:12595
HOCHMAN, A. Bone metastases, osteoporosis, and radiation necrosis in breast cancer, 21:26601
Gastro-intestinal function after abdominal cobalt irradiation, 23:31988
Thyroid dimensions as measured on the scintigram, 25:16252
HOCHMAN, Jack M. High temperature and critical properties of cesium, 22:4795
Saturated liquid and vapor density of cesium to 3000 F, and critical point of cesium, 24:4766 (CU-2660-11)
HOCHMAN, Linda Fox Differential sensitivity of Hymenolepis-microstoma (Cestoda: cyclophyllidea) cysticercoid stages to x-rays, 25:46960
HOCHMAN, Stanley Machinery room data acquisition system, 24:37996 (PPAD-674-E)
HOCHMANN, A. Therapeutic irradiation of the chest and electrocardiographic changes, 24:9955
Variation of peripheral blood counts in rats repeatedly exposed on recovery to total body low level radiation (50 r), 21:39514
HOCHMANN, J. Intergranular corrosion of austenitic stainless steels in highly oxidizing acid media, 21:24716 (ORNL-tr-1623)
HOCHMANNOVA, J. Carotenoids synthesized by uv-induced mutants of Mycobacterium phlei, 25:26687
Occurrence of geometrical isomers of lycopene in the modification of the uv-induced mutant of Mycobacterium phlei, 25:49157
HOCHNER, G. Timing circuit for Ge(Li) detectors, 21:36380
HOCHREIN, G. J. Computing aerodynamic heating on sphere cones. II, 24:9197 (SC-DR-69-449)
HOCHREIN, Hans Therapy of radiation syndrome, 23:33747
HOCHREITER, L. E. Thermal turbulence characteristics in sodium—potassium, 23:17685
Turbulent temperature fluctuations in flowing sodium—potassium, 21:36239
Velocity profile and pressure drop measurements in fully developed mercury pipe flow, 25:4207
HOCHSCHILD, S. Pressure stresses at the intersection of cylindrical nozzles and shells, 21:34423
HOCHSTIM, A. R. Calculations of transport coefficients in ionized gases, 24:15333
Electromagnetic backscattering from a random plasma slab, 24:15368
Electromagnetic scattering from underdense random plasma slabs, 24:1457
Kinetic processes in gases and plasmas, 24:15294
HOCHWALD, G. M. Radiation effects and studies in evaluation of role of secondary nodules in preparation for secondary response, 22:19279
Use of radioimmunoelectrophoresis for the study of serum protein and antibody synthesis in vitro, 23:11968 (CONF-671111-, pp 589-606)
HOCHWELLER, G. Fast digital output of a multichannel analyzer, 21:8654
HOCK, E. Orbit of visual binary ADS 3390 (Σ 577), 24:44846
HOCK, Gabor Internal bremsstrahlung accompanying β decay of radioactive nuclei, 24:13432
Internal bremsstrahlung in weak interactions and β decay of nuclei, 24:38354
HOCKENBURY, R. W. Capture cross section of ^{240}Pu, 24:33154
KeV high resolution neutron radiative capture measurements, 22:27068
keV neutron capture and transmission measurements on ^{50}Cr, ^{52}Cr, ^{53}Cr, ^{54}Cr, ^{60}Ni, and V, 24:52478 (RPI-328-199)
keV neutron capture and transmission measurements on ^{50}Cr, ^{52}Cr, ^{53}Cr, ^{54}Cr, ^{60}Ni, and V, 25:34047
Measurement of neutron fission and absorption cross sections of ^{239}Pu, 23:37234
Measurement of neutron fission and capture cross sections for ^{233}U, 22:29986 (ORNL-TM-2140)
Measurement of radiation width of resonance and of thermal capture cross section in Na, 24:28739 (RPI-328-185)
Measurement of the neutron capture and fission cross sections and of their ratio alpha for ^{233}U, ^{235}U, and ^{239}Pu, 22:18298
Measurement of the radiation width of the 2.85 keV neutron resonance and of the thermal neutron capture cross section in sodium, 24:52482
Measurement of thermal and resonance capture in sodium, 24:33133
Measurements of neutron fission and absorption cross sections of ^{239}Pu over energy region 0.02 eV to 30 keV, 24:3924 (ORNL-TM-2598)
Measurements of the neutron fission and absorption cross sections of ^{239}Pu over the energy region 0.02 eV to 30 keV, Part II, 25:56746 (ORNL-4707)
Monte Carlo code for neutron capture experiments, 23:30913 (RPI-328-155)
Nanosecond timing for a large liquid scintillator, 24:4446
Nanosecond timing for a large liquid scintillator, 24:14293 (RPI-328-175)
Neutron capture resonances of W in range 150 eV to 100 keV, 23:5899
Neutron fission and absorption cross sections of ^{239}Pu, 24:35868
Neutron fission and capture cross sections for ^{233}U energy region 0.4 to 1000 eV, 21:25515 (ORNL-TM-1751)
Neutron fission and capture cross sections for ^{233}U in energy region 0.4 to 2000 eV, 22:48558
Neutron fission and capture cross-section measurements for ^{233}U in energy region 0.02 to 1 eV, 23:23675 (ORNL-TM-2353)
Neutron fission and capture cross-section measurements for ^{233}U, 23:37242
Neutron inelastic scattering measurements with a gated photomultiplier, 24:11814
Neutron inelastic scattering measurements with a gated photomultiplier, 24:14294 (RPI-328-176)
Neutron radiative capture and transmission measurements of W and Zr isotopes, 23:37197
Neutron radiative capture cross-section measurements from 1 ev to 1 Mev on light- and medium-weight nuclei, 21:7755
Neutron radiative capture in keV region, 23:5855
Neutron radiative capture in Na, Al, Fe, and Ni, 22:44627 (TID-24601)
Neutron radiative capture in Na, Al, Fe, and Ni from 1 to 200 keV, 23:30975
Neutron radiative capture measurements, 21:1046 (RPI-328-70)
Neutron scattering cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 25:23035
Observation of correlations between GAMMA n^0 and GAMMA γ in the mass range 50 to 60, 25:25669 (RPI-328-222)
Resonance parameters of ^{240}Pu from 20 to 500 eV, 25:25726 (RPI-328-223)
Simultaneous measurements of ^{233}U fission and capture cross sections, 21:38305
Simultaneous measurements of the neutron fission and capture cross sections for ^{233}U for incident neutron energies from 0.4 eV to 3 keV, 22:3699 (ORNL-TM-1804)
HOCKENBURY, Robert W. Precision of tank capture cross section measurements, 25:2435 (RPI-328-202)
HOCKENBURY, Robert Wesley Neutron capture in low absorption materials, 22:42004
HOCKENSMITH, Duane A. Evaluation of the theory of carcinogenic aromatic hydrocarbons, 21:38858 (UCRL-50269)
HOCKETT, John E. Relating the flow stress of Al to strain, strain rate, and temperature, 21:6800 (LA-3544)
HOCKIN, John Design data developed for three new superalloys, 23:18218
HOCKING, John S. Boron-epoxy systems in action, 23:27157
HOCKING, L. M. Recent calculations of collision efficiencies, 25:26384 (CONF-700601-, pp 381-3)
HOCKLY, D. K. A. Tube development for nuclear plant, 23:36027 (CONF-680625-5)
HOCKNEY, R. W. Particle models in plasma physics, 25:56191
HOCKNEY, R. W. Characteristics of noise in a two-dimensional computer plasma, 22:31852
Computer experiments on low-density crossed-field electron beams, 22:24308
Computer model of disks of stars, 23:51308
Effects of velocity dispersion on the evolution of a disk of stars, 24:1235
Formation and stability of virtual electrodes in a cylinder, 22:46117
Galactic experiments with differential rotation, 23:12500
Gravitational experiments with a cylindrical galaxy, 21:43698 (NASA-SP-153, pp 337-47)
Gravitational experiments with a cylindrical galaxy, 22:11163
Gravitational experiments with a cylindrical galaxy, 23:30274
Measurements of collision and heating times in a two-dimensional thermal computer plasma, 25:59033
Potential calculation and some applications, 24:49158
Potential calculation, 23:1429 (LA-3990, pp D6.1-7)
Preliminary measurements of noise in a two-dimensional rod model of a plasma, 21:44058 (NASA-SP-153, pp 57-60)
Prog. rpt. on computer experiments on anomalous diffusion, final, 5/66—10/67, 22:11407 (SU-IPR-202)
HOCKNEY, Roger Willis Computer simulation of anomalous plasma diffusion and the numerical solution of Poisson's equation, 21:33374
HOCKWIN, O. Galactose cataract of young rats following whole-body irradiation, 24:41962
HOCLET, Michel Energy calibration and precision of gamma spectrometry unit, 25:44662 (CEA-R-4199)
HOCLET, Odette Hybrid simulation of the dynamics of a battery of mixer—settlers, 25:2384 (CEA-CONF-1579)
HOCQUENGHEM, J. C. Effect of (n,γ) recoil on the γ—γ angular correlation in polycrystalline Hf(IV) benzoyl—phenyl—hydroxylamine complex, 23:35196
Form factor of the 473-keV β transition $^{94}\text{Nb} \rightarrow {}^{94}\text{Mo}$, 22:27103
Generating coordinates in continuum states, 25:56825 (LYCEN-7104, C6.1-12)
Measurement of cross sections of (n,p) and (n,α) reactions on tungsten for reactor neutrons, 22:35301
Truncation of rotational states in the shell model, 25:43828
Twice-forbidden β^- transition $^{94}\text{Nb} \rightarrow {}^{94}\text{Mo}$, 22:44698
HOCQUENGHEM, Jean-Claude Electric monopole transition in ^{94}Mo, 21:46742
Study of once- and twice-forbidden beta transitions, 24:26630 (CEA-R-3455)
HO DAC THANG Fundamental and harmonic C—H/C—D valence vibrations of halogen derivatives of methane and of deuteriomethane, 25:41822
HODAPP, A. E. Jr. Determining approximate roll rate histories for ballistic reentry vehicles, 25:26122 (SC-RR-69-804)
HODARA, H. Probing the solar corona with spacecraft radio signals, 25:22300 (N-71-10291)

HODARA, Isaac Determination of uranium(IV), uranium(VI), and total uranium in phosphoric acid process solutions by tri-n-octylamine extraction and polarography, 25:44324
HODARA, Morris Dose verification studies in radium therapy of carcinoma of the cervix, 21:34666
HODASAVA, Pierre Improvements in or relating to a process for the production of canned fuel elements for nuclear reactors and apparatus for performing such process, 22:25183
Nuclear fuel element, 22:1892
HODBY, J. W. Effects of x rays on undoped and hydrogen-doped alkaline earth fluorides, 23:21007
Paramagnetic resonance and electron nuclear double resonance of substitutional hydrogen atoms in CaF_2, 21:19674
X-irradiated KCl:H and NaCl:H, 21:1391
HODDE, J. A. Control rod oscillation and transient pressure tests: Big Rock Point BWR, 21:12138 (GEAP-4448)
Prog. rpt. on fuel cycle program, 10-12/61, 21:7874 (GEAP-3898)
HODDENBACH, Gerard A. Demographic analysis irradiated and nonirradiated Uta stansburiana, 24:9805
HODDER, D. T. Experiments to determine the structure of the geomagnetosphere, 23:18515
Exploration of the magnetosphere by analysis of high-altitude nuclear weapons test data, 22:22004 (CONF-661204-(Vol.1), pp 6.1-12)
HODDER, R. V. Numerical study of two families of globular cluster orbits, 24:25925
HODDER, Robert E. Pressure effects on superconducting transition temperature of Pb, 23:27595
HODDER, Robert Edwin Strain effects in the tunneling characteristics of superconducting lead, 21:42006
HODDER, W. K. High speed temperature monitor, 23:40461
HODDS, A. C. Strength and fracture of graphite, 21:13293
HODDS, A. T. Mechanical properties of reactor graphite, 22:11098
HODES, M. E. Enzyme levels of mouse organs after leukemogenic doses of x-ray, 23:17925
Mouse thymus after exposure to x ray, 24:7745
Prog. rpt. on isolation of a factor preventing x-ray induced leukemia, 6/64—1/66, 21:20231 (COO-1391-9)
Prog. rpt. on isolation of factor preventing x-ray induced leukemia, annual, 1/68—1/69, 23:29570 (COO-1391-17)
Prog. rpt. on isolation of factor preventing x-ray induced leukemia, 2—12/69, 24:34384 (COO-1391-21)
Prog. rpt. on isolation of factor preventing x-ray induced leukemia, final, 6/1/64—5/31/71, 25:39877 (COO-1391-23)
Radiation-leukemia protection factor, 24:21218
Trypsin esterase binding and its relation to radiation-leukemia protection, 24:27527
HODGE, Donald M. Prog. rpt. on radiation bio-effects, annual, 1967, 23:10045 (NP-17514)
Prog. rpt. on radiation bio-effects, annual, 1—12/70, 25:24330 (BRH/DBE-70-7)
Radiation bio-effects, summary report, 1—12/68, 23:33804 (PHS-PUBL.-1809)
Radiation effects, 1-12/69, 24:41957 (BRH/DBE-70-1)
HODGE, E. S. Fabrication of complex beryllium shapes by gas-pressure compaction, 21:14806
Fabrication of complex beryllium shapes by gas—pressure compaction, 22:28764
Fabrication of tungsten and tungsten composites by the gas-pressure-bonding process, 21:9120
Porous tungsten metal shapes, 21:26789
HODGE, Edwin S. Gas pressure bonding, 22:640
HODGE, F. A. Effects of continuous irradiation of mice on immune response to live Listeria monocytogenes vaccine, 21:6608 (AD-640500)
Effects of irradiation on immune response, 22:36207
Effects of n-decylaminoethane thiosulfuric acid, 24:742
Mice exposed to continuous low dose γ radiation, 24:34153
Mice following continuous exposure to low-dose γ radiation, 24:19307
HODGE, Frank Galen Oxidation characteristics of the lanthanide series elements, 21:24740
HODGE, Frederick A. Cellular response of mice to infection with Pasteurella tularensis following exposure to gamma radiation, 23:35661 (AD-681376)
HODGE, Harold C. Inhalation study with natural UO_2 dust. I, 24:48373
HODGE, John M. Material factors affecting fracture toughness, 21:38749
HODGE, M. H. Characterization of modified and unmodified (U,Pu)C potential fast reactor fuels, 24:25801
Characterization of some $Cr_{23}C_6$-modified (U,Pu)C fuels for irradiation testing, 24:48885 (CONF-690954-, pp 130-46)
Compatibility of vanadium alloys with carbide fuels, 25:6833 (TID-25599)
Fabrication and characterization of uranium—plutonium carbide fuel pellets, 23:36206
HODGE, N. Purification of He in reactors, 24:41391 (NP-10676)
HODGE, Paul Distance of Hyades and stellar models, 22:11153
HODGE, Paul W. Catalog of stellar associations in LMC, 24:19559
Color indices of globular clusters of the Fornax dwarf galaxy, 24:17586
Distribution of H II regions in irregular galaxies, 23:36445
Distribution of H II regions in spiral galaxies, 23:14568
Dwarf galaxies, 25:47298
H II region in twenty nearby galaxies, 23:16615
H-alpha emission regions in irregular type II galaxies, 21:3617
HV 13055 as a symbiotic variable, 24:17470
Nature of remarkable galaxy G.R. 8, 21:31129
Structure of dwarf elliptical galaxies of the local group, 23:51332
Structure of irregular galaxy NGC 4449, 22:36647
Studies of the Large Magellanic Cloud. X, 23:12501
System of stellar associations of the large magellanic cloud, 24:48972
Unusual variable star in Large Magellanic Cloud, 23:39277
HODGE, Philip M. Is NGC 4569 a member of the Virgo cluster, 25:30207
HODGE, R. C. Measured extinction efficiency of graphite grains, 22:52395
HODGE, R. I. 5000-hr test of a eutectic lead—bismuth circuit constructed in steel and niobium, 25:2627
HODGE, Ronald I. Electric power generating system, 23:40381
HODGE, S. M. Spectral types and Hγ observations for stars in eight associations, 23:6776
HODGE, T. W. Jr. Disposal in natural salt formations, 24:39174 (ORNL-4446, pp 12-16)
HODGE, V. F. 1971 results for intercomparison of analytical methods for ^{137}Cs and ^{134}Cs used at Scripps with methods used at 56 other institutions, 25:57348 (TID-25777)
Concentrations of plutonium, cobalt, and silver radionuclides in selected Pacific seaweeds, 25:55151 (CONF-710817-1)
Variations of ^{54}Mn, ^{60}Co, ^{65}Zn, /sup 110m/Ag, and /sup 108m/Ag observed in tunas, 25:49117 (CONF-710501-33)
HODGES, C. H. Stability and axial ratios of various close-packed structures, 22:696
Trapping of positrons at vacancies in metals, 24:39845
HODGES, D. anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:15471
anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:49317
Automatic scanning and measurement of bubble chamber film on POLLY II, 24:39352
Automatic scanning and measurement of bubble chamber film on POLLY II, 25:6571 (MIT-2098-660, pp 191-220)
Automatic scanning and measurement of bubble chamber film on Polly II, 25:13254 (CERN-70-21(Vol.1), pp 325-55)
Photographic scanning systems in Applied Mathematics Division, ANL, 21:34466 (CONF-660527-, pp 177-85)
POLLY I: operator-assisted bubble chamber film measuring system, 23:16154 (CONF-680628-, pp 72-103)
POLY I: operator-assisted bubble chamber film measuring system, 22:47381
Surface to volume ratios of bone determined by computer analysis of microradiographs, 22:31003
HODGES, Donald POLLY system for bubble chamber film measuring, 21:41265
Quantitative characterization of bone, 25:21750 (ANL-7760(Pt.2), pp 63-94)
Spark chamber film measuring using CHLOE system, 22:38093
HODGES, H. D. Absence of sodium loss after massive total-body neutron exposure of rats, 21:45782 (ORAU-101, pp 34-6)
Cesium-137 and K in normal subjects, 21:45618 (ORAU-101, pp 117-19)
Correction of whole-body counting retention studies with radioisotope tracers, 21:45672 (ORAU-101, pp 166-8)
HODGES, Harold D. Accurate whole-body quantitation of ^{131}I retention by counting a scatter window, 24:44510
Background improvement for a low-level whole-body counter, 23:35463 (ORAU-107, pp 251-4)
Improvements in profile-scanner instrumentation, 23:35464 (ORAU-107, pp 254-7)
Precise geometry-independent radioassay of large biological samples, 22:50934
Total and exchangeable Na studies in swine and sheep using activation analysis and isotopic dilution, 24:36189
Whole-body radioisotope quantitation by the scatter-window method, 23:35729 (ORAU-107, pp 248-51)
HODGES, J. W. Factors affecting the morale and productivity of engineering personnel, 21:25761 (Y-1575)
HODGES, James C. Correlation of radar echoes from the aurora with satellite-measured auroral particle precipitation, 22:2942
Wavelength dependence and aspect sensitivity of radar auroral echoes between 50 and 3000 MHz, 21:37291
HODGES, R. J. Homogeneous metal-catalyzed isotopic hydrogen exchange in aromatic compounds, 22:4121
Isotopic hydrogen exchange in the alkylbenzenes using homogeneous platinum catalysts, 23:15858
Kinetics of hydrogen isotope exchange in benzene using a homogeneous platinum catalyst, 22:27649
HODGES, R. R. Jr. Eddy diffusion coefficients due to instabilities in internal gravity waves, 23:42050
Generation of turbulence in the upper atmosphere by internal gravity waves, 21:31335
Ion pair annihilation by aerosols in the lower ionosphere, 23:25218
Reconsideration of electron attachment rate measurements in the lower ionosphere, 21:2117
Vertical transport of minor constituents in the lower thermosphere by nonlinear processes of gravity waves, 24:47127
Waves in a partially ionized paramagnetic gas, 21:18508
HODGES, Robert E. Radioiodine uptake of human fetal thyroid, 21:26341
HODGES, T. A. Polarization of neutrons from (p,n) reactions on ^{2}D, ^{6}Li, and ^{7}Li nuclei, 23:49318
Unique set of phase shifts for the scattering of protons by helium, 22:41947
HODGES II, F. J. Neoplasms in thymus-irradiated children, 22:33934
HODGES III, Fred J. Cerebrospinal fluid (CSF) scanning: cisternography, 24:50993
Normal-pressure hydrocephalus. Role of cisternography in diagnosis, 25:11181
Radionuclide imaging in the detection and differential diagnosis of craniopharyngiomas, 24:48612
HODGINE, J. W. Gamma-initiated chlorination of methane, 22:18829
HODGINS, J. W. Gamma-initiated iodination of methane in the gas phase, 25:10620
Temperature effects in the gamma-initiated polymerization of styrene, 25:2245
HODGKINS, Brenda Excision repair and dose-modification, 23:32001
HODGKINS, D. J. Estimating natural terrestrial background in 17- and 60-keV energy regions from Compton continuum peak, 25:34727 (UCRL-72927)
Portable ^{3}H monitor using a large area, thin window proportional counter, 23:24435 (UCRL-50007-68-2, pp 34-40)
Response of the FIDLER detector to low energy natural background radiation in Livermore Valley, 24:25264 (UCRL-50007-69-3, pp 20-2)
Tritium proportional counter with gamma compensation, 23:50123 (UCRL-50007-69-1, pp 1-5)
HODGKINS, David J. Respirator cartridge efficiency studies. I, 25:46416 (UCRL-73166)
HODGKINSON, A. Radiostrontium absorption in man: suppression by calcium and by sodium alginate, 22:28612
HODGKINSON, C. Paul Isolation stoma colostomy and radiation-induced rectovaginal fistula, 21:18101
HODGKINSON, K. C. Utilization of root organic compounds during the regeneration of lucerne, 24:36680
HODGKINSON, W. L. Quantized Eddyfax technique applied to the inspection of reactor grade graphite, 21:41174
HODGKINSON, William Lloyd Examining the internal structure of a body, 21:41176
HODGSON, A. E. M. High precision "signacon" mass-meter, 22:10648
HODGSON, B. W. Effects of pulses of radiation on the survival of mammalian cells, 23:45874
Survival of HeLa cells from pulses of electrons, 24:51017
HODGSON, G. Characterization of the stem-cell population, 24:12247
HODGSON, George Changes in the erythropoietin-responsive cell after exposure to irradiation, 22:28653
Changes of erythropoiesis and iron metabolism after irradiation, 23:20372
HODGSON, J. N. SNAP-8 breadboard system: operating experience, 23:17260 (N-68-33238)
SNAP-8: a technical assessment, 21:42799
HODGSON, P. E. Backscattering of alpha particles, 25:15172
Complex symmetry term in the nucleon optical potential, 21:44764
Deuteron induced reactions on ^{14}N, 24:3857
Deuteron—nucleus optical potential, 21:5586
Deuteron-induced reactions on ^{16}O, 22:37293
Elastic and inelastic scattering of 25-MeV alpha particles by ^{31}P, ^{32}S, and ^{40}Ca, 22:48502
Helion and triton optical potentials, 22:48615
Imaginary isospin term in the nucleon optical potential, 22:27360
Isospin dependence of the proton optical potential, 25:15154
Macroscopic to microscopic: recent work on the optical model, 25:39126
Nuclear reactions on light nuclei, 21:44562 (ZFK-122, pp 71-94)
Nuclear reactions on light nuclei. II, 23:21257 (ZFK-130, pp 21-40)
Optical model analyses of the elastic scattering of ^{3}He and tritons by nuclei, 22:39686 (CONF-670970-, pp 41-96)
Optical model of the nucleon—nucleus interaction, 22:20721
Proton optical potential, 24:43568
Reaction $^{24}Mg(d,n)^{25}Al$ from 1.38 to 2.8 MeV, 22:7665
Reactions of 1- to 5-MeV deuterons on carbon, 21:15501
Symmetry and Coulomb terms in proton optical potential, 21:12089
Symmetry and Coulomb terms in the proton optical potential, 21:15637
Systematics of nuclear single particle states, 25:53667
HODGSON, R. Electrical conductivity in argon potassium and helium potassium plasmas with elevated electron temperatures in crossed electric and magnetic fields, 22:3017 (IPP-3/59)
HODGSON, R. J. W. Dispersion relation approach to the nuclear structure calculation, 24:43541
Effective interaction determined from the scattering amplitude, 24:43540
Nuclear structure calculation, 24:52662
Reliability of shell model calculations using the dispersion relation approach, 25:46136
Shell-model calculations with separable potentials, 21:30078
Study of nuclear matter using separable potentials, 23:15504
SU_3 study of ^{18}O, ^{19}O, and ^{20}F, 24:1759
HODGSON, R. T. Electrical conductivity in seeded noble gas plasmas in crossed electric and magnetic fields, 22:39052
HODGSON, W. G. Electron spin resonance study of triplet states. I, 21:27963
HODGSON, William Mark Criticality analysis of the Romashka reactor, 21:15639 (AD-634506)
HODISAN, T. Colorimetric determination of Ce^{4+} by o-aminophenol, 25:34530
Colorimetric determination of cerium, 24:29204
Colorimetric determination of uranium, 25:28971
Complexometric determination of U with EDTA, 25:2088

- HODKEVICH, L. Preparation of thermally stable copolymers of polyformaldehyde by ionizing radiation, 21:24002
- HODKIN, D. J. Compatibility studies between arc cast $(U_{0.85}Pu_{0.15})$—C and type 316L stainless steel, 25:11475 (AERE-R-5173)
  - Mechanical properties and compatibility of uranium—plutonium carbides, 21:32977
  - Observations on Pu—Zr—O system, 23:36261
  - Preparation of plutonium containing samples, 21:32083 (AERE-M-1889)
- HODKIN, E. N. Dihedral angles of uranium inclusions in hypostoichiometric uranium carbide, 22:41068
  - Grain-boundary grooving of UC, 25:16583
  - Ratio of grain boundary to surface energy for uranium carbide, 22:19661
  - Surface and interfacial energies of the uranium—uranium carbide system, 25:22097
  - Surface energies of solid Mo, Nb, Ta, and W, 24:10075
  - Wetting of uranium carbide, 21:16644
- HODNETT, Ernest M. Carbon-14 isotope effect in decomposition of p-nitrophenethyl-1-^{14}C-trimethylammonium iodide, 22:8071
  - Secondary β isotope effect in photochlorination of 2-methylpropane-2-t, 22:18774
- HODNETT, P. F. Numerically calculated properties of a wall-stabilized electric arc, 23:25297
  - Stationary electric arc in a cross-flow and transverse magnetic field, 23:36690
- HODNY, Alois Removal of radioactive dusts from surfaces, 22:51591
- HODOR, I. Isotope-exchange reaction studies in a once-through fluid column, 23:28992
  - Transport constants of isotopic exchange between hydrogen aqueous vapor and water, 24:27060
- HODOSAN, Francisc Spectral studies on steroidal nitrate esters. II, 21:1336
  - Spectral studies on steroidal nitrate esters. I, 21:1335
- HODOUIN, Daniel Contribution to the study of the system niobium—sulfur, 23:36251
- HODOVA, H. Changes in winter wheat variety caused by mutagens, 24:23172
  - Vitamin C content of plants after γ irradiation, 21:41518
- HODOVAL, Leland F. Radiobioassay for staphylococcal enterotoxin B antitoxin, 21:3383
- HODSON, E. K. Predictable unfolding in the time domain, 22:35731 (LA-3830)
- HODSON, R. L. Cemented carbides with high-melting binders. I, 21:5003
  - Cemented carbides with high-melting binders. II, 21:36919
- HODSON, S. A. Comparative responses of two protozoa to two types of radiation, 22:21619
- HODUL, P. Structure and phases of Zr alloys with Cu and Mo, 25:42898
- HODYREVA, M. A. Use of barrier cream for work with radioactive substances, 23:14225
- HODZIC, A. Conceptual design for a 600 MW/sub e/ nuclear power plant, 24:50074 (CONF-700401-, pp 214-30)
- HOEBEL, M. Decompositions of ^{131}I and L-thyroxine-^{131}I on chromatography paper, 22:12313
  - Distribution of ^{125}I in guinea pigs, 23:50287
  - Elimination of ^{131}I in bronchotracheal secretions of guinea pigs. III, 23:29329
  - Excretion of ^{131}I in the bronchotracheal secretion of laboratory animals, 22:431
  - Production of tumors of the thyroid gland with radiation, 21:4867
- HOEBERECHTS, A. M. E. Position sensitive detector telescopes for charged particles used in the BOL-system, 25:18757
- HOEBERICHTS, J. A. Uptake of ^{32}P phosphate by red blood cells, 25:26589
- HOECHEL, J. Creep buckling of fuel element claddings, 22:30353
  - Fabrication and irradiation of plutonium-bearing fuel pins for thermal and fast reactors, 25:52425 (A/CONF.49/P-379)
  - Fabrication of BWR element with twisted tapes between fuel rods for Kahl experiment nuclear power plant, 21:38585
  - Fuel elements for the superheated steam reactor Grosswelzheim (HDR), 22:25006
  - Fuel rod problems in thermal and fast reactors, 24:52921
  - HDR fuel elements, 24:7050
  - Irradiation experiments on fuel elements for a steam-cooled fast reactor, 24:7125
  - Production of fuel tubes for the HDR reactor, 21:5634
  - Production of prototype fuel element for the HDR, 22:14165
  - Structural changes in briefly treated uranium dioxide with and without neutron irradiation, 24:51229 (BNWL-tr-55)
  - Structure changes in short-time treatment of uranium dioxide, 24:4819
- HOECHEL, Jochen Boiler-superheater unit for use in Kahl nuclear test power station, 21:38599
  - Fuel elements for boiling-water reactors, 23:4222
  - Support grid structure for a nuclear fuel assembly, 22:48780
- HOECK, H. Determination of body composition of living pigs by ^{40}K gamma radioactivity measurements. I, 21:28396
- HOECKER, F. E. Radiation-induced trapped charge carriers in organic polymers, 24:9359
  - Thermally generated electrical currents in γ-irradiated Lucite, 25:45555
  - Thermoelectric currents in γ-irradiated lucite, 25:52906
- HOECKER, Frank Spatial distribution of trapped radicals in γ-irradiated ethylene glycol dimethacrylate polymers, 22:47157
- HOECKER, Frank E. Photon energy—angle distributions for ^{60}Co after penetration of concrete, 25:19763
- HOECKER, K. H. Anode fall mechanisms, 22:34633 (AD-663218)
  - Direct determination of transmission and reflection matrices for gamma rays, 23:19483
  - Nuclear reactors for power supply in space, 23:11314
  - Transport calculations using transmission and reflection matrices, 23:36777
- HOEDE, C. Molecular diffusion of radioisotopes in sediments and suspended solid particles of the sea. A, 22:10408
- HOEDE, D. Determination of bromine in wheat, flour, and bread by neutron activation analysis, 23:40582 (RCN-106)
  - Determination of chromium in rocks, 23:40596
  - Determination of Sr and Ba in rocks and sediments by neutron activation, 24:38784
  - Routine determination of vanadium in silicate rocks by neutron activation analysis, 24:46200
  - Separation of gram-amounts of lanthanides by cation exchange, using an aqueous solution of α-hydroxyisobutyric acid as an eluant, 25:18501 (RCN-131)
- HOEDEMAEKER, Ph. J. In the scanning of the stomach, 22:8451
- HOEEGH-KROHN, Raphael Boson fields under a general class of cut-off interactions, 23:30794
  - Boson fields with bounded interaction densities, 24:43015
  - General class of quantum fields without cut-offs in two space—time dimensions, 25:47948
  - Scattering operator for quantum fields, 24:49578
  - Spectrum of space cut-off :P(phi): Hamiltonian in two space—time dimensions, 25:47947
- HOEFER, Gerhard Investigations of the conductivity of vapor deposited tantalum layers with island structure, 25:30686
- HOEFER, J. A. Folded-flow reactor RAG-I, 21:19456 (APEX-537)
- HOEFER, R. Application of anger scintillation camera in pediatrics, 22:31164
  - Colloid clearance: effect of particle size and extrahepatic deposition, 25:10918
  - Conference on radioactive isotopes in clinics and research, Bad Gastein, Austria, 1/68, 25:6721
  - Conference on radioactive isotopes in clinic and research, Bad Gastein, Austria, 1/70. IX, 25:46906
  - Conference on radionuclides in circulation research and circulation diagnosis, Vienna, 9/67, 25:11118
  - Diagnosis of bone metastases in prostate carcinoma with /sup 87m/Sr and Anger camera, 25:21765
  - Gamma scintillation camera in urology, 25:21764
  - Indirect lympography of the lungs, 22:25924
  - Isotope therapy of thyroid carcinomas, 25:52173
  - Late effects of radiophosphorus therapy of polycythemia vera, 25:11303
  - Perfusion scintigraphy of vascular system, 25:6740
  - Portosystemic shunts, 23:35799
  - Proceedings of 7th international symposium on radioactive isotopes in clinical medicine and research, Bad Gastein, 1966, 22:25931
  - Results of scintigraphy of brain tumors, 23:29636
  - Scanning camera as a whole-body radiation meter, 25:21768
  - Thyroid and parathyroid, 24:34487
  - Visualization of abdominal organs by intra-arterial injection of ^{131}I-labeled albumin macroaggregates, 23:48142
- HOEFER, Rudolf A new isotope technic, 22:19284
- HOEFER, W. Cheilitis actinica, 23:18126
- HOEFER-JANKER, H. Inaccuracy of dose values. I, 21:24432
- HOEFER-JANKER, Hans Effects of an extract of calves-blood on radioinduced mucosa lesions in the area of larynx and pharynx, 25:13475
- HOEFERT, M. Radioinduced activity in air in high-energy accelerator installations, 24:28642 (CONF-690540-, pp 76-86)
- HOEFERT, Manfred Weak light from organisms and mitogenic radiation, 22:40923
- HOEFFKEN, Walther Application of fast electron therapy, 23:43835
- HOEFGEN, H. Low-temperature irradiation device for WWR-S reactor, 23:514
- HOEFLER, H. Application of non-destructive activation analysis to meteorites, 23:26200
  - Application of nondestructive activation analysis to meteorites, 23:11456
- HOEFS, J. Natural calcium oxalate with heavy carbon, 24:36374
- HOEFS, Jochen Carbon isotope composition of carbonaceous matter from the Precambrian of the Witwatersrand System, 21:19775
- HOEFT, J. Microwave rotation spectrum of GeSe, 21:618
- HOEG, E. Irregularities in the Crab pulsar wobble, 24:48949
  - Multiple system of Algol, 24:10246
- HOEG, Erik Refraction anomalies: mean power spectrum of star image motion, 23:18316
- HOEG, Jens H. Microwave spectra of isotopic thiazoles, 25:37369
- HOEGAASEN, H. Asymmetric fermion trajectories and models for backward associated production in $\pi^- p \rightarrow \Lambda K^*$, 22:46453
  - Dynamic reference system for spin quantization, 22:5568
  - How to find conspiracy equations, 22:20222 (INP-555/PH, pp 107-14)
  - Incoherent pion photoproduction from complex nuclei, 25:22734
  - Photoproduction of N*(1236) resonance and vector dominance model, 25:30784
  - Photoproduction of pions from nuclei, 25:53075
  - Regge pole theory for experimentalists, 23:15095
  - Resonances πN and backward scattering, 22:39391 (CERN-68-7(Vol.1), pp 460-70)
- HOEGAASEN, J. Curve fitting in optical model, 22:42097 (IPNO/TH-117)
  - Curve-fitting in the optical model, 22:35400
  - Optical model and Regge representation, 21:2780
- HOEGBERG, G. Angular distributions of ions scattered in thin carbon foils, 25:16755
  - Damage in gold bombarded with medium mass ions, 25:14413 (NP-18645)
  - Energy dependence of krypton ion damage in gold, 23:34499
  - Energy loss of well-channeled H, He, and Li ions in Au, 25:11976
  - Influence of thickness and scattering angle on stopping cross section of nitrogen, neon, and argon ions in thin carbon foils, 25:36248 (GIPR-41)
  - Stopping cross section for 50-keV neon ions scattered in thin C foils, 25:40348
  - Transmission and radiation damage phenomena in ion bombardment of thin foils, 25:33404 (GIPR-50)
- HOEGBERG, L. Laser and the labyrinth: some preliminary experiments on pigeons, 21:13008
  - X-ray flash tube with exchangeable electrode system, 24:46539 (UUIP-704)
- HOEGBERG, Lars Effect of high-power ruby laser irradiation on peripheral nerve, 22:25734
  - Transmission of a high-power ruby laser beam through bone, 22:28394
- HOEGBERG, S. Determination of L subshell ratios of pure M1 transitions, 21:33989
  - Internal conversion of 114 keV transition in ^{175}Lu, 23:17120
  - Precision measurements on the 296 keV and 316 keV transitions in ^{192}Pt, 21:19251
- HOEGBERG, T. Computer program for inelastic neutron scattering by an anharmonic crystal, 23:23597 (AE-348)
  - Functional expansion and Green function techniques in scattering of neutrons by anharmonic crystal, 22:20429
  - Scattering of neutrons by an anharmonic crystal, 21:27503 (AE-274)
  - Scattering of neutrons by an anharmonic crystal, 22:39561
- HOEGDAHL, O. Reveiw of the application of activation analysis in oceanography, 25:54481
- HOEGER, T. O. Drum scanner for measurement of ^{239}Pu contaminated waste, 24:25261 (UCRL-50007-69-3, pp 1-9)
  - Estimating natural terrestrial background in 17- and 60-keV energy regions from Compton continuum peak, 25:34727 (UCRL-72927)
  - Overburden attenuation measurements for ^{239}Pu—^{241}Am using FIDLER detector, 23:50483 (UCRL-50007-69-1, pp 6-13)
  - Temperature dependence of a plutonium x-ray survey instrument, 23:50124 (UCRL-50007-69-1, pp 14-18)
- HOEGGER, B. Lumped element line generator for low rf sinusoidal oscillations, 25:36229
  - Resonance absorption of magneto-acoustic waves in a dense argon plasma, 25:52866
- HOEGH-KROHN, Raphael Asymptotic fields in some models of quantum field theory. I, 23:15219
  - Asymptotic fields in some models of quantum field theory. II, 23:27852
  - Asymptotic fields in some models of quantum field theory. III, 24:15664
- HOEGILD, P. Spatial distribution of defects in ion-bombarded solids, 24:14995
  - Spatial distribution of defects in ion bombarded silicon and germanium, 25:27861
- HOEGL, A. Statistical errors in the measurement of beta rays with liquid scintillators by the double or triple coincidence method, 23:9713
- HOEGLUND, A. 190-keV transition in ^{141}La, 25:12540
  - Absolute transition rates in ^{182}W, 25:43903
  - Half-life measurements of excited levels in ^{121}I and ^{123}I, 25:36752
  - Lifetimes of excited nuclear levels, 25:28341 (CERN-70-30(Vol.2), pp 1115-18)
  - Transition rates in ^{192}Au, 25:20453
- HOEGLUND, Ake Decay characteristics of levels in ^{151}Eu, 24:8909
- HOEGLUND, B. Galactic H II regions. II, 21:16765
- HOEGLUND, Hans Generation of helicon waves in p-PbSe and In, 23:15767 (UUIP-610)
- HOEGY, Walter R. Kinetic theory of Lorentz gas, 22:24339
- HOEHLE, R. Calibration method for thoron measuring devices, 22:40372
  - Free-air measurements of emanation daughter products, 24:32002
  - Method problems for the determination of low radium concentrations using scintillation chambers, 21:26199
  - Metrological problems of determining the activity of low-concentration radium-containing solutions by alpha-scintillation chambers, 22:16459
- HOEHLEIN, G. Actinide Project of the Gesellschaft fuer Kernforschung mbH, Karlsruhe, 25:37440 (EUR-4612, pp 69-84)
  - Californium-252 as a neutron source, 25:18481
  - Cells and equipment for the isolation of nuclides, 23:9675
  - Column chromatographic separation of Pu oxidation states, 23:40546
  - Continuous measurement of α-emitting nuclides in elution chromatography, 23:26185
  - Continuous monitoring of column-chromatographic actinide and fission products separations, 23:4823
  - Determination of decay ratio β^-/EC of ^{242}Am, 23:42928
  - Facility for the processing of actinide targets, 24:25185
  - Glovebox for column-chromatographic investigations on actinides, 24:25186
  - Ion exchange separation of some rare earths and actinides under optimum conditions with α-hydroxyisobutyric acid, 22:25474
  - Isolation of ^{242}Cm from neutron-irradiated ^{241}Am, 23:9442
  - Isolation of ^{242}Cm in 100-Ci region from neutron-irradiated ^{241}Cm, 22:47152 (BMwF-FBK-68-10)

Radiation-sensitized pyrolysis of diethyl ether. Free-radical reaction rate parameters, 25:152
Use of Aminex for separation of actinides and lanthanides, 23:38033
HOEHLER, G. Analysis of $\pi^{+-}p$ polarization data at high energies, 21:31593
Conference on low energy hadron interactions, Karlsruhe, Ger., 5/70, 25:30840
Current algebra and phenomenological Lagrange functions, 23:39636
Discripancies between πN charge exchange forward scattering data and the dispersion relation prediction, 25:12209
Effective range parameter in S-wave pion—nucleon scattering, 25:20010
Energy dependence of slope of πN diffraction amplitude, 25:53197
Is a subtraction really necessary in isospin even πN dispersion relation, 24:18199
Magnitude of the sigma-commutator term in current algebra, 25:41017
N, Δ, and rho exchange in pion—nucleon scattering, 24:49514
N, Δ, and rho-exchange in pion—nucleon scattering, 24:18189
New determination of πN coupling constant f^2, 24:6726
New evaluation of Adler—Weisberger sum rule, 21:21240
Partial waves (πN) at low energies and in the unphysical region, 23:18906
Possible non-Regge behavior of the πN amplitude, 24:21989
Role of rho exchange in low-energy πN scattering, 22:41822
Selected topics in pion—nucleon scattering and photoproduction, 21:5402
Springer tracts in modern physics. XLVI, 23:34512
Test of a sum rule for the nucleon magnetic moments, 21:42382
Test of Regge parameters by inverse dispersion relations, 23:18900
Ward identities, dispersion relations, and duality for πN scattering at low energies, 25:50139
Weak interactions, 24:28524
HOEHM, H. Creep and stress-ruputure properties of austenitic chrome—nickel steels in presence of sodium, 22:34011 (EURFNR-465)
HOEHN, D. H. Radiant intensity of clear and clouded night sky in the wavelength range 0.5 to 1.1 μm, 22:17501
HOEHN, J. Calculation of the shield of a spent-fuel shipping container. I, 21:26136
Calculation of the shield of a spent-fuel shipping container. II, 21:30672
Correction of finite volume of scatterer effect on measurement of differential elastic and inelastic neutron cross sections. II, 25:15150
Correction of the finite volume of scatterer effect on the measurement of differential elastic and inelastic neutron cross sections. I, 25:5504
Correction of the finite volume of scatterer effect on measurement of differential elastic and inelastic neutron cross sections. III, 25:53502
Differential elastic and inelastic scattering of 14.8-MeV neutrons from ^{28}Si, 23:21301 (ZFK-130, pp 152-4)
Elastic and inelastic scattering of 14.7 MeV neutrons from ^{28}Si, 23:49365
Excitation of non-normal parity states in inelastic proton scattering, 22:22576
Inelastic proton scattering and one-particle—one-hole excitations in light nuclei, 24:5396
Microscopic description of inelastic proton scattering from (2s,1d)-shell nuclei, 23:21275 (ZFK-130, pp 196-200)
Program for computer processing of continuous time-of-flight spectra of inelastically scattered neutrons, 25:51884
HOEHN, William E. Clandestine diversion of source nuclear materials in a power reactor, 21:46866 (WASH-1076, pp 82-6)
Is the Marble Canyon Project economically justified, 21:13939 (AD-629447)
Nuclear power plant economics, Grand Canyon, 1967, 21:44811 (AD-648807)
Nuclear power plant economics, Grand Canyon, 1967, 21:44810 (AD-648806)
HOEHNDORF, A. Half-life of ^{210}Pb, 23:40035
Tritium fractionation in water-carbide to benzene reaction, 25:54735
HOEHNE, K. Automatic apparatus for surveying spark chamber pictures, 21:6195 (DESY-66/25)
Automatic processing of spark chamber pictures at DESY, 21:41240
Electroproduction of π^0 mesons on protons in backward direction, 25:47707 (DESY-71/29)
Electroproduction of π^0-mesons on protons in backward direction, 25:59353
Electroproduction of $\pi^+\Delta^0$ (1236) on hydrogen, 25:45629 (DESY-71/25)
Electroproduction of $\pi^+\Delta^0$(1236) on hydrogen, 25:50049
Electroproduction of single π^+ mesons on hydrogen, 25:27950 (DESY-71/9)
Electroproduction of single π^+-mesons on H, 25:30718
Electroproduction of single π^+-mesons on H, 25:30719
HOEHNE, K. H. Photoproduction of rho^0 mesons on H, C, and Al with photons of known energy, 22:13631 (DESY-67/30)
Photoproduction of rho^0 mesons on hydrogen, carbon, and aluminum with photons of known energy, 22:9501
HOEHNE, M. ESR of Ni^{3+} in AgCl and isotope effect in crystal field, 23:40667
HOEHNE, Peter Method and device for the control of nuclear reactors, 21:7991
Nuclear reactor experiments, 21:46957
HOEHNEL, G. Multichannel counting of short-lived nuclides, 25:8515
HOEIJER, S. Nonlinear resonance conditions for three-wave interactions in plasma, 25:17246
HOEIJER, Staffan Investigations on resonant non-linear wave interactions in a plasma, 24:17982 (FOA-2-2349)
HOEISTAD, B. Excited levels of ^{28}Si investigated by inelastic scattering of 185-MeV protons, 21:42583
Inelastic scattering of 185-MeV protons from Mg and Al, 21:4261
Positive pion production in nuclear reactions induced by 185 MeV protons, 25:48022
Proton polarization in scattering at 185 MeV from individual states of ^{24}Mg, 23:1838
HOEJBERG, K. Soee Automatic potentiometer setting program for analogue computer EAI 680, 23:2697 (RISO-M-767)
Control interface system for EAI 680-PDP 8, 23:2698 (RISO-M-768)
Digital potentiometer with field-effect transistor switches, 23:40517 (RISO-M-914)
Hybrid-computer control and monitor interface, 24:2084 (RISO-M-951)
Kidney constant calculator, 23:33753 (RISO-M-878)
Kidney renogram test simulation on analogue or digital computer, 23:2852 (RISO-M-766)
Multiple 4-quadrant multiplier; 1-quadrant multiplier, 23:4509 (RISO-M-756)
Simulation of the radiohippuran renogram test on an analogue computer, 21:41353
HOEJEBERG, M. Absolute M1 and E2 transition probabilities in ^{235}U, 22:27124
Angular dependence of half life measurements in ^{75}As and and /sup 197m/Hg, 25:53674
Decay of the 16.3-min ^{182}Ta isomer, 21:13854 (AE-264)
Decay of the 16.3-min ^{182}Ta isomer, 22:18263
Half-life measurement of 343.4 keV level in ^{175}Lu, 23:44943
Half-life measurements in ^{235}U, 24:43352
Magnetic properties of the K = 1 rotational band in ^{186}Re, 22:27125
HOEJEBERG, Mats Energy levels in ^{185}W, 25:15043
Half-life measurements of levels in ^{75}As, 23:44872
Magnetic properties of K = 1 rotational band in ^{186}Re, 21:31769 (AE-280)
Transition probabilities in the $^1/_2{}^+$(631) band in ^{235}U, 24:52591
HOEJGAARD, E. New type of reactor containment of prestressed concrete, 23:31103 (CONF-681101-38)
HOEK, G. Storage well at Dodewaard, 24:9068
HOEKSTRA, E. K. Fast reactor components, 24:47854
Prog. rpt. on fast reactor program, 9/1969, 24:13525 (RCN-111)
Prog. rpt. on fast reactor program, 4—6/69, 24:24785 (RCN-114)
Prog. rpt. on fast reactor program, 1—3/70, 25:12768 (EURFNR-855)
Prog. rpt. on fast reactor program, 3rd quarter, 1970, 25:51031 (RCN-143)
Prog. rpt. on fast reactor programs, 9—12/69, 25:1851 (EURFNR-822)
HOEKSTRA, G. Fabrication of BeO radomes by pyrolytic deposition, 21:9211 (AD-638219)
HOEKSTRA, H. Synthesis of $UO_{2.3}$, at high pressure, 22:19617
HOEKSTRA, H. R. Bond lengths in gamma—uranium trioxide, 25:29094
Examination of symmetry of alpha uranium trioxide, 25:38034
HOEKSTRA, Henry R. Crystal structure of copper uranium tetroxide, 22:47708
Some uranium-transition element double oxides, 22:31454
Uranium—O system at high pressure, 25:4793
Uranyl metaborate and sodium uranyl borate, 22:30559
HOEKSTRA, R. Present state of analysis of Nd I and Nd II, 25:58705
Rapid method of tracing charged particle beams, 22:38019
HOEKSTRA, W. Preparation of a low capacitance Ge(Li) detector, 21:24212
HOEKSTRA, W. G. Effect of vitamin D on ^{65}Zn absorption, distribution, and turnover in rats, 21:14577
Zinc content and subcellular distribution in red vs. white porcine skeletal muscle, 21:20037
HOEKSTRA, Willem Gamma rays from ^{28}Al, ^{186} ^{188}Re, ^{233}Th, and ^{233}Pa following neutron capture, 23:28281
HOEKSTRA W. Coriolis interaction between three Nilsson bands in Pa, 23:34787
HOEL, David G. Adequate sample sizes for randomized block designs, 24:16376 (ORNL-4527)
Sample size requirements: tests of equality of several Gaussian means, 24:4188 (ORNL-4468)
Selection procedure based upon Wald's double dichotomy test, 25:15441 (ORNL-TM-3237)
Sequential procedure for selecting the population with the smallest variance from k normal populations, 23:15757 (ORNL-4355)
Simulation, fitting, and testing of a stochastic cellular proliferation, 24:24958 (ORNL-TM-2811)
HOEL, John E. Gamma ray density gauging, 25:55067
HOEL, L. Electronic and magnon specific heat of iron-based tungsten alloys, 25:52958
HOEL, L. A. Magnetic properties of gadolinium orthovanadate, 25:5217
HOEL, Lars Helium-3-crysotat for specific heat measurements, 25:14212 (UUIP-677)
HOELD, A. Analytical model for describing the frequency response and stability behavior of light-water moderator pressurized power reactors, 25:28665
Model describing frequency response and stability behavior of boiling light water reactor, 25:46336
HOELD, Kraemer Stability tests on boiling water reactors, 22:7801 (EURAEC-1917)
HOELGYE, Z. Excretion of radioactive ^{210}Po with urine in miners from Czechoslovak uranium mines, 25:24034
Influence of primary sodium phosphate on the deposition of uranium on nickel, 24:27064
HOELGYE, Zoltan Excretion analysis of ^{210}Po in uranium miners, 25:32332
HOELKE, C. W. Damaged regions in neutron-irradiated and ion-bombarded Ge and Si, 25:59140
Influence of crystalline defects on 2-beam crystal lattice images: experimental, 24:36925
Observation of crystal lattice planes in ion-bombarded germanium, 22:37005
HOELKER, F.-J. Directions for recording of damages, 25:23229
HOELL, J. M. Distribution of plasma potential for MPD thruster, 22:26420
HOELL, J. M. Jr. Diagnostics and interpretation of acceleration mechanisms in an MPD arc, 23:16779 (N-68-33838)
HOELLER, Paul Quantitative test of rolled products for unweldable internal defects and oxygen content by means of the neutron activation analysis, 25:46444
HOELSCHER, J. G. A. Electron energy distribution and electron density in moving striations, 23:25293 (BMwF-FBK-69-3, pp 9.1-12)
The electron energy distribution in an electric double layer, 23:42306
HOELZEL, F. Counting ^3H-, ^{14}C, and ^{32}P-radioactivity in aqueous solution, 23:624
Effects of fractionated x irradiation on NAD content of tumors and host liver, 22:28646
Incorporation of 2-^{14}C-glycin into proteins of liver, spleen, and blood of rats after whole body irradiation, 21:26552 (BMwF-FBK-67-01)
Influence of fractionated x-irradiation on DPN-content of solid tumors and host liver, 21:24282 (BMwF-FBK-66-47)
Influence of x whole-body irradiation on incorporation of 2-^{14}C-glycine in rats, 22:28675
HOELZER, Dieter Treatment of chronic lymphatic leukemia by extracorporeal irradiation, 23:38718
HOELZER, F. Microdistribution of radiopromethium after inhalation of ^{147}Pm-containing luminous mass, 23:11990 (SZS-11/68, pp 21-9)
Radiocerium incorporation in rats and inhalation of luminous paints containing ^{147}Pm, 23:11987 (SZS-11/68)
HOELZL, J. Maximum escape depth of monoenergetic secondary electrons, 21:7363
HOELZL, K. Inelastic neutron scatteing and lattice dynamics of metals in quasi-ion approximation, 24:3824 (EUR-3621(Pt.2))
Inelastic neutron scattering and lattice dynamics of metals in quasi-ion approximation, 21:46396 (EUR-3621.e(Pt.1))
HOENEMANN, W. Cheilitis actinica, 23:18126
HOENEN, F. Acceleration of plasma with traveling electromagnetic waves, 22:50173
Acceleration of plasma with traveling electromagnetic waves, 23:18624 (CONF-680113-(Vol.2), pp 701-25)
HOENIE, A. F. Thermal and mechanical treatment of stainless steels, 22:21694 (NASA-SP-5089)
HOENIG, A. Engineering compendium on radiation shielding. I, 23:16851
HOENIG, Arnost Attenuation factors for broad beam gamma radiation in Pb, steel, concrete, and water, 23:10692 (ORNL-tr-2033)
HOENIG, C. L. Phase equilibria, vapor pressure, and kinetic studies in the uranium—nitrogen system, 25:55617
HOENIG, Clarence L. Knudsen cell studies of the vaporization of gadolinium and gadolinium dicarbide, 21:41596
Vapor pressure, enthalpy, evaporation coefficient, and enthalpy of activation of the Be nitride (Be_3N_2) decomposition reaction, 21:46007
Vaporization of samarium dicarbide, 23:27176
HOENIG, H. E. Critical fields and generalized Ginzburg—Landau parameters for Mo—Re alloys, 23:48860
Indirect measurement of superconducting pair density above T/sub c/ in La/sub 3-x/Gd/sub x/In due to thermodynamic fluctuations, 25:52759
Superconductors with magnetic impurities in singlet ground state, 24:21740
HOENIG, M. M. Photoproduction of single charged pions from deuterium and hydrogen, 21:31516
HOENIG, M. O. New developments in liquid H target systems at Cambridge Electron Accelerator, 24:6781
Typical liquid hydrogen target systems under simulated failure modes, 24:5109
HOENIG, Milton M. Off-energy-shell effects in the triton with the boundary-condition interaction, 25:33955
HOENIG, Mitchell O. Improvements in liquid hydrogen target techniques, 23:28083
HOENIG, Stuart A. Multipoint field ionization source, 23:20045 (N-68-36738)
HOENIG, V. Half-lives of K-forbidden transitions in even—even nuclei of rare earth region, 23:40036
Measurement of the nuclear polarization in the reaction $^{40}Ca(d,p)^{41}Ca^*$ (1.95 MeV), 21:23448
Nuclear intrinsic quadrupole moments and deformation parameters, 25:1742
Some serological pecularities in rats intoxicated by carbon tetrachloride, 21:6622
HOENIGOVA, J. Some serological pecularities in rats intoxicated by carbon tetrachloride, 21:6622
HOENING, H. E. Magnetization measurements of superconducting Mo—Re alloys containing iron, 21:33297
HOENL, H. Astrophysical consequences of Dirac's hypothesis of a variable gravitational number, 23:14583
Crucial test for the existence of a solar quadrupole moment, 22:11120
Does the 3°K radiation infer a constant or variable gravitational constant, 22:36624
Proof of time-dilatation with the help of the Moessbauer effect, 21:861
Reply to J. Ehlers and E. Schuecking on formulation of Machian principles, 21:46436

HOENLE, K. Temperature measurements for diagnostics of plasmas produced and heated by laser pulses, 23:12765
HOENNAS, P. I. X-ray- and uv-induced excitation of adenine, thymine, and the related nucleosides and nucleotides in solution at 77°K, 24:44429
HOEPER, P. S. Analysis of low-energy electron scattering by He, Ne, and Ar, 22:21876
HOEPER, Phillips Stephen Observation and analysis of elastic resonance scattering of electrons by rare gases, 25:14035
HOEPFINGER, E. Criteria for action levels for inspection based on a game theoretical model, 24:26790 (KFK-909)
Optimal inspection procedures in a nuclear facility for a sequence of inventory periods, 25:21338
HOEPFNER, A. Hydrogen bridge association and vapor isotope effects of various deuterated methylamines, 21:38941
Measurement of vapor-pressure differences for isotopic compounds, 23:135
Normal and inverse vapor pressure isotope effects on ammonia, 23:45300
Vapor pressure isotope effect in neopentane, 23:43295
Vapor pressure isotope effects, 24:5654
HOEPPEL, H.-E. Calculation of vapor pressure isotope effects in CH_3OH/CH_3OD, CD_3OH/CD_3OD, HCl/DCl, HBr/DBr, and H_2S/D_2S, 22:50967
Deuterium bond association and concentration-dependent vapor pressure isotope effect of methanol in n-hexane, 23:6109
HOEPPER, M. Electric effects in terphenyl, 22:4918 (EUR-3631)
Influence of graphite on fouling, 23:19692 (EUR-4096)
Measurements of fouling of terphenyls, 23:35055 (EUR-4235)
HOEPPER, Meinolf Method for reducing fouling on surfaces coming into contact with organic cooling and/or moderator fluids, 22:39816
HOEPPNER, K. Mass-spectrometric identification of tinorgano radiolytic products, 21:10398
Radiation chemistry of some tetraalkyltin compounds, 21:23949
Radical formation in x-irradiated tin-organic compounds, 23:7552
HOEPPNER, U. Diameter of etched fission fragment tracks in solid state nuclear track detectors as a function of the particle energy, 24:2470
Diameter of etched fission fragment tracks in solid state nuclear track detectors as a function of the particle energy, 25:44632
Diameter of etched fission-fragment tracks in solid-state detectors as function of particle energy, 24:41670
HOER, G. Bloodpool scintigraphy with shortlived radionuclides, 25:13516
Clearance studies with ^{131}I-labeled hippuran, ^{203}Hg-salyrgan, ^{51}Cr-EDTA, and ^{51}Cr-inulin, 25:11156
Comparison of scintigraphy and x-ray diagnosis in osteomyelitis, 24:759
Critical evaluation of renal nuclear diagnostic methods in pediatrics, 23:50688
Evaluation of renal nuclear diagnostic methods in pediatrics, 23:48110
Indium-113m (EDTA) and renal scintigraphy, 24:14543
Localization studies after renal transplantation, 23:48124
Mediastinal lymph node scintigraphy in animals during indirect isotope lymphography of the lungs, 24:21239
Mediastinal lymph node scintigraphy, 24:44539
Scanning mediastinal lymph nodes, 24:12191
HOERBE, R. Calculation and design of thermodynamic phase diagram with the help of an electronic computer, 23:48559 (JUL-596-RG)
Chemical decomposition of spherical fuel elements by bromine vapor, 24:2281
Investigation of kinetics of chlorination of U(IV) oxide with elementary chlorine, 25:23559
HOERCHER, H. Ablation test results on materials evaluated in AVCO 10 MW arc facility, 24:24966 (SC-CR-68-3546)
HOERING, T. C. Hydrocarbons from the low-temperature heating of kerogen, 21:14187
HOERL, E. M. Decrease of Moessbauer recoil-free fraction in small tungsten particles, 21:40076
Epitaxial growth of UO_2 on graphite, 21:6865
Investigation of Moessbauer effect of ultrafine tungsten particles, 23:16899
Low-angle subgrain boundaries in tellurium, 22:7367
HOERLIN, Herman Motion of bomb debris following the Starfish test, 21:9462
HOERMAN, Kirk C. Protein intermolecular interfaces in connective tissue, 24:2577
HOERMANN, D. Treatment of skin and mucous membrane reactions caused by radiotherapy, 22:47572
HOERMANN, H. Hybrid solution of partial differential equations, 24:38533
HOERNQVIST, N. Calculation of fusion reaction rates using averages over deformed Maxwellian distributions, 22:36957 (FOA-4-4360-25)
Thermal radiation front from a point explosion, 24:25152 (FOA-4-4402)
HOERSCH, K. Alpha-cluster probability in nuclear matter, 21:30041
HOERTEL, F. W. Rhenium and Re—W deposition by thermochemical reduction of hexafluorides, 21:18224 (BM-RI-6915)
Vapor deposition of rhenium and rhenium—tungsten, 22:10976
Vapor-phase deposition of W, 23:22500
HOERTNER, H. Improvements in the multiple collision method, 24:24912
Liberation of gaseous activity by nuclear power plants, 24:16220 (SGAE-RT-23/1969)
Potential sites for nuclear power station near Vienna, 25:44147
Release of gaseous activities by nuclear power plants, 25:1915
HOERZ, G. Influence of nitrogen and oxygen on the yield stress of niobium, 24:39642
Influence of nitrogen and oxygen on the yield stress of vanadium, 25:16504
Kinetics of gassing and degassing of group VA metals, 23:33992
Niobium—nitrogen system. I, 24:46786 (WAPD-Trans-132)
Niobium—nitrogen system. II, 24:42101 (WAPD-Trans-133)
Niobium—nitrogen system. III, 24:42102 (WAPD-Trans-134)
Nitrogen solubility in metals of high melting points, 25:58249
Property changes by precipitation in Nb, 23:46053
Solubility of nitrogen in niobium—molybdenum solid solutions, 24:27785
HOERZ, Gerhard Concentration changes and metal losses during degassing by annealing of binary dilute metal—gas solutions. II, 25:35560
Concentration changes in binary metal-gas solutions. II, 23:16490
Concentration changes in binary metal—gas solutions in case of simultaneous evaporation of gas and metal. I, 23:41530 (ORNL-tr-2170)
Concentration changes in binary metal—gas solutions during simultaneous removal of gas and evaporation of metal. II, 23:41605 (ORNL-tr-2171)
Degassing kinetics of metal—nitrogen solid solutions. II, 21:4964
Degassing kinetics of vanadium—oxygen solid solutions, 23:12421
Emissivity and electrical resistivity of tantalum at high temperatures, 21:14830
Engassing kinetics of metals of group V A. III, 22:29557
Gas-metal reactions in systems of high-melting metals with nitrogen or oxygen, 25:11415
Investigations on V—N systems, 25:29879
Property changes of V due to N and O, 24:30038
Solid solution hardening of VA metals by N and O interstitials, 25:29880
HOESCHELE, J. D. Preparation of ^{244}Cm—^{243}Am oxide microspheres, 23:35273
HOESCHELE, James David Photochemical acceleration of the uranium(IV)—uranium(VI) electron exchange reaction, 24:48091
HOESCHL, R. Radiation thyroiditis as a complication of treatment with radioiodine, 23:896
HOESS, Joseph A. Unconventional thermal, mechanical, and nuclear low-pollution-potential power sources for urban vehicles, 23:40914 (CONF-690116-1)
HOESSELBARTH, Harri Low radiation level chamber, 21:30825
HOEST, Herman Effect of extended-field radiotherapy, 25:21794
Effects of cyclophosphamide and total-body irradiation on erythropoietin production in rats, 21:17972
Regeneration of bone marrow cells in rats following cyclophosphamide or total body irradiation, 21:6625
HOETHKER, K. Shock waves and turbulent heating in low density plasmas, 25:38384 (CONF-710607-123)
HOETZL, H. Mobile whole-body counter of GSF, 24:27337 (CONF-690540-, pp 407-15)
HOETZL, Helmut Determination of long-lived alpha emitters in air, 24:27238 (CONF-690540-, pp 184-96)
HOEVEL, F. Use of conditional distribution function in the theory of gas plasma, 21:33445
HOEY, M. J. Spectroscopic investigation of low-pressure hot-cathode discharge in argon, 23:3474
HOEY, S. J. Polarization of neutrons from (p,n) reactions on ^2D, ^6Li, and ^7Li nuclei, 23:49318
HOEYBERGHS, H. Safety in hot laboratories for study of fuel reprocessing, 24:31545
HOEYE, Age Determination of radiochemical purity of some radiochemicals and pharmaceuticals by paper chromatography. Thin-layer chromatography and high-voltage electrophoresis, 21:30373
Radiation protective agents for storage of ^{131}I-labelled L-thyroxine, 24:41319
Radiochemical break-down of ^{131}I labeled L-thyroxine preparations, 23:45357
HOEYRUP, Jens Double Regge analysis applied to pp $\rightarrow$ Δ^{++} π^-p and pp $\rightarrow$ ppω, 23:36953
HOEZ, M. Remarks concerning solar furnaces in space, 24:46390 (CONF-700330-2)
HOFACKER, G. L. Nonadiabatic model for population inversion in molecular collisions, 25:49745
HOFBAUER, J. Injury to the bone marrow in simultaneous radio- and cytostatic-therapy, 24:797
Irradiation of cervical carcinomas with special consideration to the problem of radiation injury, 21:6590
HOFBAUER, Josef Gonad dose and genetic risk in ^{60}Co therapy, 24:807
HOFER, Andreas Atomic absorption spectrophotometric determination of Sr, 24:18891
Spectrophotometric determination of traces of chromium in pure tantalum with diphenylcarbazide after prior isolation as acetylacetonate, 22:33236
HOFER, Donald C. Carbon-13 chemical shifts of the carbonyl group. V, 21:30425
HOFER, Douglas E. Infrared spectra of the d/sub n/-borohydride ions, 24:48097
HOFER, F. Magnetic domain patterns in small crystal $SmCo_5$ particles, 25:30675
HOFER, Franz Physical metallurgy and magnetic measurements of $SmCo_5$—$SmCu_5$ alloys, 25:1332
HOFER, G. Thermodynamic analysis of carbon transport in liquid sodium, 24:32432
HOFER, Gerhard Carbon transport in a sodium system, 24:9989 (KFK-985, pp 93-112)
Thermodynamics of carbon and oxygen compounds of liquid sodium, 23:41650 (BNWL-tr-40)
HOFER, H. Conservation of μ-lepton number, 24:21926
Dependence of neutrino—nucleus cross sections on the nucleon number of the target nucleus, 25:25294
Dependence of τ—nucleus cross sections on the mass number, 23:25504 (CERN-69-7, pp 61-71)
Dependence of τ-nucleus cross sections on mass number, 24:10661
Gamma irradiation of a DNA—Cu^{++} complex, 25:49101
Investigation of inter- and intramolecular energy transfer in alkane—benzene mixtures and alkylbenzenes, 23:26263 (BMwF-FBK-69-2)
Investigations on the mechanisms of ethylbenzene radiolysis, 24:38907
Muonium hyperfine splitting at low pressure, 23:48727
Precise determination of K/sub L/—K/sub s/ mass difference by gap method, 24:51962
Radiation protection in hip joint radiograms in small children, 24:14508
Upper limit of the anti τ-contamination in the CERN neutrino beam, 24:15708 (CERN-69-28, pp 47-53)
HOFER, K. G. Radiation effects on death and migration of tumor cells in mice, 24:46671
HOFER, Kurt Prog. rpt. on trace labeling of proteins, 6/19/68, 22:38195 (NYO-3515-3)
Uv radiation resistance of the outer epidermis of Allium cepa, 21:11124
HOFER, Kurt G. Radiotoxicity of intranuclear tritium, ^{125}I, and ^{131}I, 25:46698
HOFER, W. O. Depth distribution of characteristic x-ray production in Cu by 12- to 30-keV electrons, 25:58685
Shielding of magnetic fields by superconducting Pb and Nb hollow cylinders, 21:13490
HOFF, A. J. Production of free radicals in DNA by γ rays, 25:496
HOFF, Franz Hormonal treatment of cervix carcinoma, 22:10792
HOFF, G. C. Grouting and materials control, Operation Flint Lock, 25:8962 (POR-4013)
HOFF, G. T. Large-angle polarization and the spin and parity of pion—nucleon resonances, 21:18997
Proof that near-forward minimum and secondary peak in π^-p elastic scattering are resonance effects, 21:27316
HOFF, George C. Materials for use in mitigating blast loads on deeply buried protective structures, 21:253 (AD-634691)
HOFF, H. Calculation of energy spectra from continuous pulse height spectra. I, 21:16149 (ORNL-tr-1511)
HOFF, M. Circular channel magnetohydrodynamic experiments in a transverse magnetic field, 24:3226
HOFF, Marc Prog. rpt. on MHD round pipe flow experiments, final, 1/65—11/67, 22:34337 (AD-665870)
HOFF, R. B. Baryon coupling regularities, 23:25631
HOFF, R. W. Alpha decay of ^{255}Md, ^{256}Md, and ^{257}Md, 25:46049
Average cross sections and resonance integrals of /sup 242m/Am, 22:22615
Measurement of the average neutron yield per fission for /sup 242m/Am, 21:10039
Neutron-induced fission cross section of /sup 242m/Am, 22:18226
Nuclear decay properties of ^{254}Fm, 22:42046
Recovery and study of heavy nuclides produced in a nuclear explosion: The Hutch Event, 24:41535 (CONF-700101-(Vol.2), pp 1283-94)
Spontaneous fission half-life of /sup 242m/Am, 21:23530
Use of electrodeposition methods to prepare actinide targets for cross section measurements and accelerator bombardments, 25:49384 (UCRL-73121)
HOFF, W. D. Relationship between defect structure and superconducting properties in niobium—titanium alloys, 24:19844
X-ray diffraction studies of effects of deformation on niobium alloys containing Ti, V, and Zr, 23:6688
HOFFART, Henry M. EMC and radiation hazards, 23:26811
HOFFBERG, M. Anisotropic superfluidity in neutron star matter, 24:32783
HOFFBERG, Mark Baer BCS: type phase transition in nuclear matter with $^3P_2$ pairing, 25:25819
HOFFBERG, Susan S. Computer program for doing tedious algebra (SYMB66), 22:20992 (NYO-1480-88)
Syntax-directed FORTRAN statement checker, 22:16358 (NYO-1480-85)
HOFFENBERG, R. Regulation of albumin synthesis and catabolism by alteration of dietary protein, 22:30993
HOFFENN, Josef [Resistance of] borides in molten metal media, 23:27182
HOFFER, G. Magnetic properties of rare earth—iron intermetallic compounds, 21:3491
Magnetic properties of rare earth—iron intermetallic compounds, 21:45916
Magnetocrystalline anisotropy of two yttrium—cobalt compounds, 21:20514
Magnetocrystalline anisotropy of YCo_5 and Y_2Co_{17}, 21:3490
Magnetocrystalline anisotropy of YCo_5 and Y_2Co_{17}, 21:45917
Permanent magnet properties of YCo_5 powders, 22:24401 (CONF-670502-, pp 603-14)
HOFFER, Gary I. Crystallographic and magnetic investigation of rare earth—cobalt compounds R_2Co_{17}, 21:27932 (AFML-TR-66-420)
Phase diagrams for Ce—Co, Pr—Co, and Nd—Co alloy systems, 25:684 (CONF-700403-(Vol.2), pp 524-31)
HOFFER, J. K. Calorimetric evidence for positive phonon dispersion in liquid ^4He, 25:1091
Phase diagram of ^4He below 1.2°K, 22:31776
HOFFER, James Karl Thermodynamic properties of ^4He near melting line, 22:50095 (UCRL-18319)
HOFFER, P. B. Fluorescent scanning, 23:33446
HOFFER, Paul B. Correlation between brain tumor detectability on brain scan and protein levels of the spinal fluid, 25:26828
Correlation between brain tumor detectability on brain scan and protein levels of the spinal fluid, 25:42547 (ACRH-1000-248)

Fluorescence detection: application to the study of cerebral blood flow, 24:12162
Fluorescent scanning, 23:16105
Fluorescent thyroid scanning, 23:31847
Fluorescent thyroid scanning: scanning without radioisotopes. Initial clinical results, 25:37848
Use of lithium-drifted germanium detectors for clinical radionuclide scanning, 25:13487
HOFFERT, J. Russell Effects of uv on eye of fish, 23:43873
HOFFERT, Martin I. Nonequilibrium structure of hydromagnetic gas-ionizing shock fronts in argon, 21:37439 (AD-650828)
Nonequilibrium structure of hydromagnetic gas-ionizing shock fronts in argon, 22:13494
Precursor ionization effects on magnetohydrodynamic switch-on shock structure, 23:44224 (N-69-30083)
Precursor ionization effects on magnetohydrodynamic switch-on shock structure, 25:19681
Quasi-one-dimensional, nonequilibrium gas dynamics of partially ionized two-temperature argon, 21:42088
HOFFERT, Martin Irving Nonequilibrium structure of hydromagnetic gas-ionizing shock fronts in argon, 22:13504
HOFFERT, W. J. Fast rf control work at LASL, 21:7589 (LA-DC-8260)
Microwave instrumentation for accelerator rf systems, 23:28020
HOFFERT, William J. Fast automatic phase and amplitude control of high-power rf systems, 21:17209 (LA-DC-8344)
HOFFLAND, A. H. Drift tube techniques for active semiconductor testing in the electron beam of the field emission 705 flash x-ray machine, 25:50462
HOFFLEIT, D. Investigation of a new long-period variable, 23:51199
HOFFLEIT, Dorrit Objective-prism spectrum of W Velorum, 22:49888
HOFFLINGHAFF, Wilhelm Improvements in and relating to building components, 23:9673
HOFFMAN, A. Composition and properties of the binder in tungsten carbide—cobalt alloys, 25:45122
HOFFMAN, A. C. Development of a Co—W ferromagnetic, high-temperature structural alloy, 23:24923
Development of Co—W ferromagnetic high-temperature structural alloy, 22:15631
Development of Co—W ferromagnetic, high-temperature, structural alloy, 23:3046 (N-68-27667)
HOFFMAN, A. S. Hydrophilic polymer surfaces via radiation-chemical treatments, 25:6358
Radiation modification of textiles, 24:13931
HOFFMAN, Alan L. Calculations of gas conductivity in magnetohydrodynamic shock producing devices, 23:36693
Experiments and calculations in an inverse pinch, 23:36672
Model for shock formation in MHD shock tubes, 23:12849
HOFFMAN, Alan Lowell Magnetohydrodynamic shock production and current sheet diffusion, 22:24107
HOFFMAN, Allan Richard Ultrasonic attenuation studies in potassium and beryllium, 22:29593
HOFFMAN, Allan S. Electron curing of coatings: present status, 25:44382
Prog. rpt. on radiation-accelerated creep in polycarbonate, final, 7/66—6/67, 22:19682 (UCRL-13328)
Radiation grafting on cotton textiles and fibers, 24:50422
Transient acceleration of creep rates of polymers during high intensity irradiation, 22:6346
HOFFMAN, Anthony C. Development of Co—W ferromagnetic, high-temperature, structural alloy, 22:38538 (N-68-18145)
HOFFMAN, B. Pulsars and a possible new test of general relativity, 22:31556
HOFFMAN, B. L. Effects of assumptions on future trends, 21:31954
Planning today for tomorrow's nuclear needs, 21:42771
HOFFMAN, B. M. Interactions between molecules and superconductors, 21:12391
HOFFMAN, B. W. Analysis of oceanographic samples by 14-MeV neutron activation, 25:2119 (CONF-700322-, pp 221-30)
Analysis of oceanographic samples from the glomar challenger voyage, 25:54482
KRIS: computer program for least-squares resolution of gamma spectra, 24:31284
Table and method for determining the true time representing a count rate observed in radionuclear counting, 21:34220
HOFFMAN, Brian M. Protonated nitroxide free radical, 23:24195
HOFFMAN, Brian Mark Interactions between molecules and superconductors, 21:46295
HOFFMAN, C. Momentum measurement at 100 MHz of particles in a high-energy beam with large angular divergence and spatial extent, 23:1744
HOFFMAN, C. A. Separation of Ne from He natural gases and atmosphere for isotopic analyses, 23:17711
Separation of neon from high-He-content natural gases, 23:26172
HOFFMAN, C. G. Carbide layer-growth rates on tungsten—molybdenum and tungsten—rhenium alloys, 25:22099
Chemical diffusion of C in the group VI-B metal carbides, 22:38622 (LA-3795)
Compatibility of some high-temperature thermocouple materials, 23:36024
Metal—metal carbide eutectic temperatures in alloy systems, 23:30079
Phase equilibria in Th—N system, 24:8198 (CONF-670533-, pp 84-91)
UC—UC$_2$ phase boundaries, 24:19515
HOFFMAN, C. M. Bullet residue transference to various materials, 22:16403 (GA-8171, pp 189-98)
Convenient calibration technique for neutron detectors, 25:44597
Experimental test of quantum electrodynamics by muon bremsstrahlung, 23:21154
Forensic applications of neutron activation analysis, 22:16397 (GA-8171, pp 103-16)
Forensic neutron activation analysis, 24:133
High-energy muon inelastic scattering, 23:21055
Muon pair production by 12-GeV/c negative π and K mesons on C and Fe, 23:23386
Muon-pair decay modes of the vector mesons, 21:27294
Neutron activation and atomic absorption analyses of chemical elements in soil, 23:47408
Observation of muon pairs produced by high-energy negative π mesons, 21:2378
Some rare decays in interactions of π and K mesons with carbon and iron, 22:22322
Trace component distribution in illicit spirits by neutron activation analysis, atomic absorption, and gas—liquid chromatography, 22:27556
Use of neutron activation analysis for the characterization of paper, 25:57374
HOFFMAN, C. Michael Practical applications and limitations of forensic activation analysis, 25:48464 (CONF-710402-(Vol.2), pp II.67-70)
HOFFMAN, C. Q. Phase equilibria in Th—N system, 21:12408
HOFFMAN, C. W. Neutron spectral measurements by magnetic analysis of recoil protons, 21:35705 (BRL-MR-1841)
HOFFMAN, Charles A. Effect of cladding on extrudability and properties of powder-metallurgy tungsten, 21:28752 (NASA-TN-D-3941)
HOFFMAN, D. Neutron energy spectrum: a classical derivation, 21:35395 (USNRDL-TR-67-57)
HOFFMAN, D. C. Beta decay of ^{144}Ce, 22:44728
Beta decay of some cerium isotopes far to the neutron-rich side of stability, 22:32618
Calculation of single-particle levels in a deformed diffuse well, 24:40670 (LA-4329)
Decay of ^{243}Pu, 23:37206
Decay of ^{243}Am, 21:25558
Decay of ^{245}Pu, 22:9870
Decay of 24-min ^{146}Pr, 22:50645
Mass symmetry in the spontaneous fission of ^{257}Fm, 25:15045
New short-lived americium beta emitters, 21:33973
Production of heavy elements in a recent Los Alamos thermonuclear test, 22:32619
Radiochemical purification of tin and half-lives of ^{121}Sn, ^{123}Sn, ^{125}Sn, and ^{125}Sb, 21:5505
HOFFMAN, Darleane Rapid separation of cerium and molybdenum from fission products, 21:17729
HOFFMAN, Darleane C. Decay of ^{152}Nd and the isomers of ^{152}Pm, 25:56772
Fermi-function integrals for finding relative beta-group intensities, 21:10057
HOFFMAN, Donna R. Conference on irradiation capsule technology, Pleasanton, Calif., 5/66, 21:21823 (CONF-660511)
HOFFMAN, E. A. New method for assay of radioactive dimethyl sulfoxide and its metabolite, dimethyl sulfone, 21:14163
HOFFMAN, E. E. Compatibility of refractory metals with liquid metals, 23:18189
Compatibility of refractory-metal fuel cladding materials with K, 21:36830 (ORNL-TM-708)
Contamination of Ta and Ta alloys, 24:952
Potassium corrosion test loop development, 21:13107 (N-66-38146)
Prog. rpt. on K corrosion test loop development, 1/15/66—4/15/66, 21:24714 (N-67-12093)
HOFFMAN, E. J. Decay of ^{61}Zn, 25:17848
Decay scheme of 23-min ^{60}Cu, 23:42889
Decay scheme of the 86-sec ^{61}Zn, 23:25871
Decay schemes of ^{119}Te isomers, 21:35483
Decay schemes of ^{60}Zn and ^{62}Zn, 23:25870
HOFFMAN, E. L. Joining of tungsten sheet, 21:9124
HOFFMAN, Earl W. Computer assistance in experimental area operations at ZGS, 25:50372
Zero Gradient Synchrotron experimental area computer control system, 23:28148
HOFFMAN, Earl Wayne Measurement of α_0p for sigma hyperons produced in reaction $\pi^+p \rightarrow \Sigma^+K^+$, 24:24253
HOFFMAN, Edward Computerized identification of reactor-produced isotopes, 24:83
HOFFMAN, F. Growth of diethylnitrosamine-induced lung tumors in syngeneic mice pretreated with x-ray killed tumor tissue, 21:1808
HOFFMAN, Gary J. A sensitive radiometric assay for tryptophan-5-hydroxylase, 22:457
HOFFMAN, H. V. Free-field particle motion from nuclear explosion in salt. II, 23:26393 (VUF-3013)
HOFFMAN, H. W. Analysis of axial flow through a circular channel containing rod clusters, 22:40312
Bilateral approach to the analysis of turbulent flow in an annulus, 25:29268
Heat transfer and fluid dynamic characteristics of rod-cluster-type nuclear reactor fuel elements, 24:26774 (ORNL-4356)
Incipient and stable boiling superheat for potassium boiling on a surface containing reentrant cavities, 21:30618 (ORNL-P-3083)
Preliminary collation of the thermodynamic and transport properties of cesium, 21:31001 (ORNL-TM-1755)
Proceedings of second southeastern seminar on thermal sciences, 7/1966, Oak Ridge, Tenn, 22:234 (ORNL-TM-1975)
Tube identifier: physical description of tubes tested in OSW program on improved heat-transfer system for evaporators, 25:57247 (ORNL-TM-2713(Rev.1))
Velocity measurements for beds of large, uniform-diameter spheres packed in full-scale model of pebble-bed nuclear reactor, 21:7893 (ORNL-P-2668)
Velocity measurements for beds of large, uniform-diameter spheres randomly packed in a full-scale model of a Pebble-Bed Nuclear Reactor core, 21:7958
Velocity measurements for beds of large, uniform-diameter spheres packed in a full-scale model of a pebble-bed nuclear reactor, 21:17466 (ORNL-P-1798)
HOFFMAN, Herbert Saul Low energy associated production: $\pi^- + p \rightarrow K^0 + \Lambda$, 21:33713
HOFFMAN, J. A. Compton-synchrotron spectrum of Crab Nebula with pulsar magnetic field, 25:47235
HOFFMAN, J. H. Comparison of results of Explorer 21 direct measurement probe, 23:27448 (N-69-17933)
Daytime midlatitude ion composition measurements, 24:6432
HOFFMAN, J. M. Molecular oxygen density measurements from 80 to 140 kilometers, 25:43261
HOFFMAN, J. R. Constitution of binary molybdenum—carbon alloys, 21:46019
HOFFMAN, James M. Emission cross sections for H$^+$, Na$^+$, Ne$^+$, Rb$^+$, incident on molecular nitrogen, 25:2902 (SC-RR-70-695)
HOFFMAN, Jeffrey Compton-synchrotron radiation from pulsars, 24:12551
HOFFMAN, John H. Explorer XXXI direct measurement probes, 23:44306
Ion mass spectrometer on Explorer XXXI satellite, 23:44303
Mass-spectrometric determination of the composition of the nighttime topside ionosphere, 21:23110
HOFFMAN, Joseph Early and late effects of ^{3}HTDR-labeled DNA on ileal cell replication in vivo, 22:45660
Early and late effects of tritiated thymidine upon the replication of splenic lymphocytes, 25:26994
Late effects of ^{3}HTDR as a DNA label on liver cell replication, 21:36707
HOFFMAN, K. C. Brookhaven pulsed fast research reactor, 23:21510 (BNL-13208)
HOFFMAN, Kenneth Investigation and repair of baffle plate damage in the HFBR primary heat exchangers, 25:37055 (BNL-15815)
HOFFMAN, Kenneth C. Search for neutrinos from the sun, 22:31590
HOFFMAN, L. F. Scattering of K and Cs by several compounds, 23:34279
HOFFMAN, Lance J. Formulary model for access control and privacy in computer systems, 24:29150 (SLAC-117)
HOFFMAN, M. A. Analysis of MPD closed-cycle generator with quasi-equilibrium plasma, 22:45993
Calculation techniques for estimating the pressure losses for conducting fluid flows in magnetic fields, 25:35938 (UCRL-51010)
Magnetic field effects in fusion reactor blankets, 25:47576 (UCRL-72878)
HOFFMAN, M. V. Fluorescence and energy transfer in $ZrZnP_2O_7 : UO_2^{+2}$, 24:13844
HOFFMAN, Marvin M. Elastic neutron interaction measurements with a moderated bomb source spectrum, 24:43183 (CONF-700101-(Vol.2), pp 1257-68)
HOFFMAN, Mary V. Effect of thorium on Ce^{+3} phosphors, 25:59185
HOFFMAN, Milton Terminal ileum as ureteral substitute, 24:41914
HOFFMAN, Morton Z. Determination of metals by photochemical precipitation, 24:12
Observation of coordinated free radicals formed in the reaction of hydroxyl radicals with benzoatopentaamminecobalt(III) in aqueous solution, 24:44042
Photochemical precipitation of Th and Ce and their separation from other ions in aqueous solution, 25:4026
Precipitation from homogeneous solution by photochemical action, 21:15850
HOFFMAN, Myron A. Behavior of a large nonequilibrium MHD generator, 25:22398
Boundary and end losses in magnetogasdynamic generators, 23:1232 (AD-671632)
Effect of magnetic fields on heat pipes, 24:25165 (UCRL-72060)
Nonequilibrium MHD-generator losses, 22:45992
Simplified model of segmented electrode losses in nonequilibrium MHD generators, 21:13414 (N-66-39333)
HOFFMAN, N. J. Friction and wear screening tests of materials in sodium, 24:41629 (LMEC-70-10)
Intensity anomalies in x-ray diffraction pattern of Ni$_3$Nb, 23:51067
HOFFMAN, Neil A. Radioresistance of transplanted mammary adenocarcinoma in mice after serial irradiation, 21:18159
HOFFMAN, R. A. Auroral electron drift and precipitation: cause of the mantle aurora, 24:51507 (N-70-29987)
Field aligned electron bursts at high latitudes observed by OGO-4, 22:36808 (N-68-17072)
Field-aligned electron bursts at high latitudes, 22:52653
Higher-order ring currents and particle energy storage in the magnetosphere, 22:5233
Low-energy electron precipitation at high latitudes, 23:25233
Low-energy electron precipitation pattern at high latitudes, 23:27435 (N-69-10508)
Possible particle measurements in the high-latitude magnetosphere, 22:5245
Primary electron influx to dayside auroral oval, 25:30367
Ring current particle distributions derived from ring current magnetic field measurements, 22:38894 (N-68-19786)
Ring current particle distributions, 23:1290
Sterile-male technique for control of livestock insects, 24:34809
HOFFMAN, R. B. Creep collapse testing of advanced EVESR fuel capsules, 21:7877 (GEAP-4920)

Einstein vacuum field equations in Weyl co-ordinates, 23:30824
HOFFMAN, R. C. Design concepts: communications for FFTF, 22:32965 (DUN-SA-68)
Fire engineering for nuclear plants, 24:3988 (DUN-SA-122(Draft))
Fire protection improvements: 100-N area for essential electrical and electronic equipment, 23:43237 (DUN-5247)
HOFFMAN, R. E. Thermal bending of plasmas with circular holes, 25:16505
HOFFMAN, R. W. UHV Moessbauer emission of thin iron films, 25:6231 (COO-623-164)
HOFFMAN, Ragnar A. Relaxation studies by lineshape analysis in high-resolution NMR, 23:33136 (UUIP-627)
HOFFMAN, Richard B. Class of exact solutions of the Einstein—Maxwell equations, 24:40474
Stationary axially symmetric generalizations of the Weyl solutions in general relativity, 23:42754
Stationary noncanonical solutions of Einstein vacuum field equations, 23:30820
HOFFMAN, Roy C. Fire protection for nuclear plants, 24:7043
HOFFMAN, T. J. Adjoint-difference method in deep penetration problems, 25:41185
HOFFMAN, T. L. Blending raffinates from zirconium and aluminum processes, 21:45862 (IN-1114)
Corrosion evaluation of equipment used for reprocessing Zr alloy fuels, 22:19475 (IN-1134)
Corrosion experience with Type 316 stainless steel in NaK eutectic alloy at 1400°F, 23:8109 (IN-1185)
How NaK eutectic alloy affects Type 316 stainless steel, 22:52140
Performance of Type 316 stainless steel in sodium—potassium eutectic alloy during 32,600 hours service, 25:37944 (CONF-710310-1)
Performance of types 304, 316, and 348 stainless steel in NaK at high temperatures, 21:28720 (IN-1089)
Stainless steel tanks for radioactive waste storage, 21:16047
Stainless steel tanks for radioactive waste storage, 21:45868
HOFFMAN, W. Cylindrical wire chamber, 22:6651
HOFFMAN, W. A. Jr. Rhodium species in radioactive waste solutions, 23:9501 (ARH-732)
HOFFMAN, W. W. Effect of endotoxin and Thorotrast on rat liver, 23:31619
HOFFMAN, Wilson Studies in stellar evolution. IX, 24:19575
HOFFMAN, Z. Efficiency of utilization of memory space in content addressable systems, 21:20009
Method of pair-selection in content addressable systems, 21:20010
HOFFMAN, Zbigniew Statistical analysis of the method of pair-selection in content addressable systems, 22:43152 (INR-900)
HOFFMANN, A. Composition and properties of the binder metal in cobalt bonded tungsten-carbide, 25:29980
Composition and properties of the binder metal in cobalt bonded tungsten carbide, 25:55630
Investigations of europium oxide cermets for control elements in nuclear reactors, 25:45120
Pure Co alloys with additions of C, W, and Ti. II, 25:6873
Pure Co alloys with additives of C, W, and Ti, 25:55497
HOFFMANN, Alain COREGRAF 2: adjustment and comparison with experiment, 25:28654 (CEA-N-1344(2))
COREGRAF 2: code for computing graphite lattices and their evolution for IBM 360 and CDC 6600, 25:12774 (CEA-N-1344(1))
HOFFMANN, B. Determination of testosterone in peripheral blood of swine and bovines with a double isotope derivative dilution method, 25:10923
General relativistic influence on observed pulsar frequencies if pulsars are orbiting objects, 22:34190
Therapeutic problems of late injuries in the neck region following Thorotrast administration, 24:34745
Therapy of subcutaneous fibrosis after telecobalt irradiation, 21:12907
HOFFMANN, Banesh Negative mass and the quasars, 21:6965
Perspectives in geometry and relativity, 21:7398
HOFFMANN, C. R. Momentum-transfer cross sections and conductivity ratios for low-energy electrons in He, Ne, Kr, and Xe, 23:12545
HOFFMANN, C. R. J. Plasma containment in medium- and high-shear stellarators, 25:40583
HOFFMANN, Clarence Robert John Electron—neutral momentum transfer cross sections and conductivity ratios in some rare gases, 23:5427
HOFFMANN, D. Determination of the size and position of defects in spherical graphite fuel elements using ultrasonic testing, 25:44563 (EUR-4341)
Stored energy measurements in electron-irradiated Pt, 25:3197
Testing of highly stressed plain bearings used for extreme reactor conditions, 25:46256 (EUR-4343)
HOFFMANN, E. Operation of the station for treating radioactive wastes at Mol, 21:267
HOFFMANN, E. G. Boron compounds. XIII, 22:10211
HOFFMANN, F. Photoproducts of tyrosine and tryptophan in the origin of actinic carcinoma in the white mouse, 21:16418
HOFFMANN, Felix Radionuclides induced in bone by 600 MeV protons, 22:51296 (CERN/HER/AP-2-68)
HOFFMANN, G. Characteristics of turbines for graphite-gas power reactors, 22:42228
Conference on radioisotopes in gastroenterology, Lausanne, 10/65, 21:28410
Conference on radioisotopes in localization diagnostics, Heidelberg, 10/66, 21:41471
Conference on radioisotopes in pharmacological and clinical biochemistry, Wiesbaden, Ger., 9/68, 25:55255
Conference on radionuclides in circulation research and circulation diagnosis, Vienna, 9/67, 25:11118
Diagnostic value of the quotients of precordial over prepulmonary counting rate from Na^{131}I, 25:26822
Effects of endolymphatic ^{131}I-therapy on human blood, 23:14223
Electron gun for beams of minimum cross section, 24:520
Endolymphatic therapy with radioactive substances (techniques and radiometry), 22:33887
Endolymphatic therapy with radioactive substances, 24:41943
Evaluation of results of treatment of thyroid carcinoma, 25:11233
Interpretation of T$_3$ uptake test, 24:29651
Model investigation of error estimation in "radiocardiographic function analysis" by use of ^{51}Cr, 22:25776
Problems of radiation dosimetry in endolymphatic therapy, 25:4512
Proposal for FFAG-electron-synchrotron, 21:42478 (BMwF-FBK-67-65)
Separation of ^{131}I-insulin fractions resulting from radiation damage and study of their properties, 22:10718
Study for a radial sector-type FFAG electron synchrotron. X, 23:44772
Study for a radial sector-type FFAG electron synchrotron. IX, 23:44771
Therapy with open radionuclides, 22:23563
Vapor pressure of Pa(V) chloride, 23:37938
Vapor pressure of Pa(V)—chloride, 23:28786 (NP-17906)
HOFFMANN, G. W. Total proton decay width of an isobaric analog state, 25:53766
HOFFMANN, Gudrun Measured differential cross sections for elastic and inelastic scattering of 104-MeV α particles, 25:43832 (NP-18920)
HOFFMANN, Guenther Quantitative behavior of plasmatic protein fractions under radioiodine incorporation and radiocobalt irradiation, 22:45657
HOFFMANN, H. Effect of yeast treatment on radiation injury, 24:34399
Equations of state of fuel materials UC and PuC, 25:13753
Experimental investigation of the wear characteristics of steel and alloys in liquid sodium, 25:22011 (KFK-1251)
Experimental studies on pressure drop and long-time behavior of support points in a model fuel element of incology 800 tubes with six integral helical ribs as spacers in an isothermal superheated steam flow, 24:26769 (EURFNR-721)
Fuel element with spiral spacer for fast breeder reactors, 23:11239 (KFK-768)
Fuel elements with spiral spacers for fast breeder reactors, 23:17186 (EURFNR-571)
Fuel rod bundles with various spacer designs for sodium cooled fast reactors, 24:26773 (KFK-1154)
Fuel rod bundles with various spacer designs for sodium-cooled fast reactors, 24:52918
Loss of pressure and long-term behavior of reinforced place in model fuel element with Incoloy 800 tube with six integral spirals as spacers in isothermal stream of superheated steam, 24:18654 (KFK-1028)
Mechanical properties of UO$_2$, 22:52261 (KFK-729)
Mechanical properties of UO$_2$, 23:8302 (EURFNR-528)
Selection of range spacers for fuel elements of fast breeder reactors, 25:48356
Temperature and stress distributions in fuel rod claddings with spiral spacers for steam-cooled fast breeder reactors, 23:31165 (KFK-805)
Wear behavior of steels and alloys in liquid sodium, 24:19383 (EURFNR-696)
Wear characteristics of steel and alloys in liquid sodium, 24:21365 (KFK-973)
HOFFMANN, H. J. Equation of state of fully ionized quantum plasmas, 23:25354
Influence of liner and spacer geometry on superheat fuel performance, 21:13977 (GEAP-5289)
Quantum statistics of high-temperature plasmas in thermodynamic equilibrium, 21:42104
Quantum statistics of high-temperature plasmas in thermodynamic equilibrium. II, 23:3475
HOFFMANN, Hans D. Interaction and linkage of polycyclic hydrocarbons to nucleic acids, 25:142 (TID-25513)
HOFFMANN, J. P. Design and fabrication of fuel rods, 21:7875 (GEAP-4406)
Dimensional changes in high performance powder and pellet fuel rods, 24:10193 (GEAP-5100-8)
Thermal load of an aerodynamic reentry body and the resulting optimization and design criteria, 24:24977 (SC-T-70-4015)
HOFFMANN, Johanna Calculation of depth dose in ^{60}Co-telegamma irradiation, 25:44874
HOFFMANN, K. Merits of combined use of angiography and scintigraphy in thyroid diagnosis, 24:34518
HOFFMANN, K.-W. Conversion coefficient of /sup 69m/Zn and fluorescent yield of zinc, 22:41996
Intensity of bremsstrahlung and characteristic K x rays from thin anodes, 21:35017
L/K-capture ratio of ^{65}Zn, 21:40404
HOFFMANN, Klaus In vitro effects of steroids and radiation on the incorporation of ^{14}C—thymidine, ^{14}C—uridine, and ^{14}C—leucine into Ehrlich ascites tumor cells of mice, 24:11935
Radiotherapy of esophagal fistulas caused by lumphogranulomatosis, 25:13542
HOFFMANN, Klaus-Werner Decay of ^{86}Rb and fluorescence yield of Kr, 25:56697
Electron capture decay of ^{85}Sr and ^{85}Y, 23:39985
HOFFMANN, L. Depth distribution of characteristic x rays excited by electron bombardment, 24:4988
Magnetic moments of hyperons, 21:21201
Measurement and monitoring of the ejected proton beam 58 of the CERN proton synchrotron, 21:38139
Shielding of high energy particle accelerators, 23:30887
HOFFMANN, Lewis C. Copper/V oxide compositions, 24:42218
HOFFMANN, Louis G. Reaction mechanisms in immune hemolysis. II, 23:50261
HOFFMANN, M. Lowest poles of two-point functions in quantum mechanics, 23:46576
HOFFMANN, Marga Anodic oxidation of Nb—Sn alloys, 22:28823
HOFFMANN, P. Chemical problems in the production of superheavy elements by nuclear reactions, 25:54672
Movement of caprolactum polymerization mixture through continuous-action polymerization equipment of the Z-tube type, 22:14708
Separation of decay products of a ^{224}Ra source as methyl compounds, 25:51547
HOFFMANN, P. M. Preliminary calculations of hydrocyclone contactor type MPH, 24:44070 (ORNL-tr-2358)
HOFFMANN, Peter Peripheral blood picture during radiation of lymphogranulomatosis, 21:45719
HOFFMANN, Przemyslaw M. Preliminary calculation of hydrocyclon contactor type M.P.H, 23:49892 (INR-1068)
HOFFMANN, R. Temperature distribution and thermal conductivity in an argon plasma, 25:56140
HOFFMANN, U. Ceramics reinforced by fibres, 21:11302 (NP-tr-1494)
HOFFMANN, William F. 100-micron map of galactic center region, 25:19448
Far-infrared observation of the galactic-center region at 100 microns, 23:14560
HOFFMANN, Wolfgang Longitudinal polarization of β-particles of ^{152}Eu, 22:53189
HOFFMANN-PINTHER, P. Generation and statistical analysis of synthetic cross sections, 23:21409
HOFFMASTER, James Steven Analysis of the pion spectrum of 35,630 tau$^+$ decays at rest, 25:19895
HOFFMASTER, S. Analysis of 17 898 tau$^+$ decays at rest, 24:32960
Branching ratios for $K^+ \rightarrow 3\pi$ decays, 24:49308
Positive-tau analysis, 22:52923 (AD-669491)
Violation of the $\Delta I = 1/2$ rule in $K^+ \rightarrow 3\pi$ decay, 23:49037
HOFFMEISTER, A. J. Preparing for commercial plutonium recycle, 24:24851
Projection of nuclear fuel cost trends, 25:10100
Projection of nuclear-fuel cost trends, 24:29032
HOFFMEISTER, A.-J. Prospects for fuel-cycle economics in the United States, 24:46695
HOFFMEISTER, F. Stanley Radiation in dentistry, 23:29645
HOFFMEISTER, W. Etch rate of Si in buffered HF, 24:14877
HOFFSTEIN, V. Anisotropic superconducting energy gap of Nb$_3$Sn, 23:46423
HOFFSWELL, R. A. Excitation of 0$^-$ level at 3.56 MeV in ^{6}Li by (p,p) scattering at 14 to 16 MeV, 23:23632
Experimental study of (^{3}He,dp tilde) reaction, 21:42628
Reaction (^{3}He,d) followed by proton emission, 22:39629 (CONF-670970-, pp 229-42)
Reaction (p,n) on ^{91}Zr followed by proton emission, 21:25526
Reactions (p,np tilde) on ^{91} ^{92} ^{94}Zr and ^{117} ^{119}Sn, 22:27211
HOFFSWELL, Robert A. Microwave system and modular components for Illinois superconducting linac, 25:50313
System for identifying channels of a pulse analyzer memory data display, 22:45371
HOFHINE, Paul A. Wide range time to pulse height converter using a transistor in the avalanche switching mode, 21:36424 (IDO-17225)
HOFKENS, K. Measurement of contamination of excreta as a means of determining the body burden of persons working on the ^{227}Ac production program, 25:37803 (EUR-4612, pp 547-58)
HOFKER, W. K. Alpha-particle spectrometry with semiconductor detectors, 23:33484
Position sensitive detector telescopes for charged particles used in the BOL-system, 25:18757
Semiconductor detectors for ionizing radiation, 21:17825
Special semiconductor detectors for gamma ray and particle spectroscopy, 22:38061 (CONF-670545-, pp 116-25)
Thermal properties of high-value gallium- and boron-implanted resistors in silicon, 25:19783
HOFMAN, A. Dilatometric investigations of transformation $\beta \rightarrow \alpha$ in U—0.4 wt. percent Cr alloy, 22:23813 (INR-874/XIV/PS)
HOFMAN, Andrzej Metallographic and x-ray investigations of isothermal transformation $\beta \rightarrow \alpha$ in U—0.4 wt. percent Cr alloy, 22:23812 (INR-873/XIV/PS)
HOFMAN, F. Nuclear structure studies of ^{93}Nb using ^{93}Nb(n,n$'\gamma$) and ^{93}Nb(p,p$'\gamma$), 24:35870
HOFMAN, J. Design of a control rod drive mechanism for a marine pressurized water reactor, 24:24900
HOFMAN, V. I. Neutron source based on a 350 keV accelerator of charged particles, 23:42822
HOFMAN, W. Dutch nuclear propulsion ship reactor, 21:44913 (RCN-76)
Review on the present development of commercial power reactors, 21:15684
HOFMANN, A. Beam bump with programmable width and amplitude, 25:50327
Collective nature of the low-lying states in ^{27}Al and ^{23}Na, 25:17726
Colliding beam project at Cambridge electron accelerator, 22:32254 (CEAL-2000, pp 112-18)
Coupling between pressure and temperature amplitudes in waves of second sound in liquid helium, 24:15260
Damping system for beam storage in Cambridge Electron Accelerator, 22:32256 (CEAL-2000, pp 123-5)
Dependence of (d,α) cross sections on the collective states, 24:43284

Dependence of excitation cross section for $^{27}Al(d,\alpha)^{25}Mg$ on rotational band of ^{25}Mg, 22:18164
Direct and compound processes to the reaction $^{40}Ca(d,\alpha)^{38}K$ at E/sub d/ = 5 to 10 MeV, 25:31275
Double-focusing magnetic pair spectrometer, 21:28219
Effect of collective structure of product nucleus state on (d,α) effective cross sections in sd shell, 23:39999
Electronic system for pulse shape discrimination in CsI(Tl), 23:19974
Examination of coupled-channel calculations for reaction $^{24}Mg(d,p)^{25}Mg$, 25:56728
Factor U/sup -n/ in the level density formula of the Fermi-gas Model, 23:5951
Fast time marking discriminator circuit, 23:40989 (EUR-4289, pp 137-9)
Highly focusing beta spectrometer, 22:6637
Low-background spectrometer for fast-neutrons, 23:38311
Low-lying excitation states in ^{25}Mg and ^{27}Al, 24:10966
Measurement of cross section of a high-energy electron beam by means of the x-ray portion of the synchrotron radiation, 25:50512
Measurement of the pressure amplitude in a second sound wave, 22:29406
Particle identification with PDP-7 computer, 24:29611
Polarization of neutrons from the $D(d,n)^{3}He$ reaction at E/sub d/ = 80 to 150 keV, 23:3932
Positron—electron multicycle injection at CEA colliding beam project, 25:50325
Pulse-shape discrimination with surface barrier detectors, 24:36568
Reaction $^{27}Al(d,\alpha)^{25}Mg$, 22:32545
Spectroscopy of protons from nuclear reactions with 14-MeV neutrons with a counter telescope, 21:25495
Timing of pulses from surface barrier detectors, 23:22058
Timing with surface barrier detectors, 25:8517
Timing with surface barrier detectors using charge and current pulses, 25:34899
HOFMANN, Albrecht Fractionation corrections for mixed-isotope spikes of Sr, K, and Pb, 25:48460
HOFMANN, D. Incorporation of ^{32}P and ^{35}S in genital organs of rat, 24:41737
Incorporation of ^{32}P and ^{35}S in genital organs of rat, 24:41965
HOFMANN, D. J. Measurement at balloon heights of low energy hydrogen and helium isotopes in cosmic radiation at solar minimum, 1965, 21:35049
Observations of the screening of solar cosmic rays by the outer magnetosphere, 23:6934
Resource bibliography on cosmic rays and related subjects, 21:14992 (NP-16592)
Rigidity dependence of solar modulation at solar minimum, 1965, 21:35047
HOFMANN, David J. Magnetospheric cosmic-ray cutoffs and their variations, 23:25172
HOFMANN, David John Spectra of low-energy cosmic-ray H and He nuclei at solar minimum, 21:7043
HOFMANN, E. G. High power x-ray units and their use for special applications in irradiation technology, 24:22865
HOFMANN, E.-F. High power x-ray facilities and their use for the radiation pasteurization of fresh fish, 23:2491
HOFMANN, F. Anomalous resistivity in an r. f. confined plasma: theory and experiment, 25:38411 (CONF-710607-19)
Design and evaluation of a steam cooled fast breeder reactor of 1000 MW(e), 22:18525
Experimental investigation of 90 MW rotating magnetic field pinch, 24:47220 (LRP-43/70)
Experimental investigation of fast neutron decays in lead assemblies, 21:11949
Flow and temperature distribution including coolant mixing in sodium cooled fuel elements with eccentric geometry, 24:24819 (EURFNR-750)
Generalized one dimensional magnetohydrodynamic computer code for partially ionized hydrogen or helium plasmas, 25:33263 (LRP-46/71)
Investigation of level structure of Nb and Ta by (n,n') reaction using a time gated Li—Ge spectrometer, 22:27158
Mechanical stress of fuel rod bundles through azimuthal temperature gradients in fuel elements with eccentric geometry, 25:54115
PRAWDA: FORTRAN program for pyrometric interpretation of steam-and gas-cooled reactors, 23:26112 (KFK-725)
PRAWDA: program for thermal design of steam and gas cooled reactors, 23:17178 (EURFNR-582)
Systems analysis of a fast steam-cooled reactor of 1000 MW(e), 22:5924 (EURFNR-405)
Systems analysis of fast steam-cooled reactor of 1000 MW(e), 22:35554
Velocity and temperature distribution in turbulent flow in sodium cooled fuel elements with eccentric geometry, 25:15363
HOFMANN, G. Electroproduction of π^0 mesons on protons in backward direction, 25:47707 (DESY-71/29)
Electroproduction of $\pi^+\Delta^0$ (1236) on hydrogen, 25:45629 (DESY-71/25)
Electroproduction of single π^+ mesons on hydrogen, 25:27950 (DESY-71/9)
Emission of dense helium and hydrogen plasmas and their contribution to photoionization of molecular hydrogen. II, 22:24355
Equipment for extraction of fission gases from irradiated nuclear fuels, 24:31556
Experimental studies on pressure drop and long-time behavior of support points in a model fuel element of incology 800 tubes with six integral helical ribs as spacers in an isothermal superheated steam flow, 24:26769 (EURFNR-721)
Fast-acting electromagnetic gas-inlet valves, 22:2266 (IPP-1/68)
Intense radiation source below 800 A for preionization of hydrogen for use in theta pinch experiments. I, 22:24354
Loss of pressure and long-term behavior of reinforced place in model fuel element with Incoloy 800 tube with six integral spirals as spacers in isothermal stream of superheated steam, 24:18654 (KFK-1028)
Proton scattering on ^{12}C and ^{13}C at 7 MeV, 23:28257
Width of 4 + (11.4 MeV) level of ^{8}Be, 23:39960
HOFMANN, H. M. Analyzing power of reaction $^{6}Li(d,\alpha)^{4}He$ with vector-polarized deuterons of energy 2.1 to 10.9 MeV, 23:3960
Investigation of j-dependence of vector analyzing power of reaction $^{6}Li(d,p_0)$ and $^{6}Li(d,p_1)$ with vector-polarized deuterons of 2.1 to 10.9 MeV, 23:7239
Investigation of reactions $^{7}Li(p,p_0)^{7}Li$, $^{7}Li(p,p_1)^{7}Li^*$, and $^{7}Li(p,\alpha)^{4}He$ with polarized protons of energies 2.7 to 10.6 MeV, 23:19194
j-dependence of the vector analyzing power in the $^{6}Li(d,p)^{7}Li$ reaction, 22:48461
Three-body calculations of elastic deuteron—^{4}He scattering with Faddeev equations, 25:17695
HOFMANN, H. P. Fate of ^{212}Pb inhaled by human subjects, 23:33606
HOFMANN, Hans Prestressed concrete reactor pressure vessel, 23:21576
HOFMANN, Hans Peter Incorporation and distribution of thoron decay products following inhalation by rats, 25:29455
HOFMANN, Helmut Effects of variable inertia on collective dynamics, 25:25825
HOFMANN, I. Relativistic generalization of modified APW method, 24:20014
HOFMANN, K. Absolute calibration method for detection efficiencies of high-energy gamma rays, 23:11777
Preparation and performance of superconducting cavities, 21:11870 (LA-3609, pp 499-501)
Sequential processes in the $^{14}N(tau,p\alpha)^{11}C^*$ reaction, 23:21281
Structure of ^{16}O above 25 MeV, 23:46936
HOFMANN, M. Calculation of efficiency of three-crystal NaI pair spectrometers and optimalization of central crystal, 22:8369
Measurements of the polarization of field emitted electrons from polycrystalline gadolinium, 21:42191
Polarization of field-emitted electrons from gadolinium in high magnetic fields, 22:29209
Resolution of three-crystal-NaJ-pairspectrometers and optimization, 22:19151
HOFMANN, P. Compatibility investigations of uranium carbide with steel and vanadium alloys, 25:47161
Compatibility investigations with simulated fission products on stainless steel and Mo, with and without the presence of UO_2, 24:3047 (KFK-979)
Compatibility studies with simulated fission products on stainless steel and molybdenum, with and without presence of UO_2, 24:19519 (EURFNR-685)
Fission product yield in the fission of ^{235}U, ^{238}U, ^{239}Pu, and ^{241}Pu with neutrons of different energies, 25:28354 (NP-18723)
HOFMANN, P. L. Approaches to reactor safety, 25:18157 (WHAN-SA-43)
Fast Flux Test Reactor: critical experiments program, 21:5683 (BNWL-SA-909)
Lecture series, fast reactor safety technology and practices. Volume II. Accident analysis, 25:8093 (BNWL-SA-3093(Vol.2))
Lecture series, fast reactor safety technology and practices. Volume I. Safety practices and background information, 25:8085 (BNWL-SA-3093(Vol.1))
Neutronics characteristics of cermet, oxide, and carbide driver fuels for the Fast Test Reactor (FTR), 21:8082
Prog. rpt. on environmental engineering programs, 7—9/70, 25:23202 (WHAN-IR-53)
Prog. rpt. on environmental engineering, 10—12/70, 25:28710 (HEDL-TME-71-26)
Prog. rpt. on environmental engineering programs, 1—3/71, 25:48213 (HEDL-TME-71-67)
Rationale and plans for FTR critical experiments program, 24:11169 (BNWL-490)
U. S. civilian nuclear power cost-benefit analysis, 25:39173 (A/CONF.49/P-72)
Use of the engineering mockup as a nuclear design tool, 24:33447
HOFMANN, Richard Trace elements in U minerals of southern Germany, 22:6501
HOFMANN, Rolf Comparison of high-temperature creep of some homogeneous iron and nickel alloys, 25:16452
HOFMANN, S. Analysis of decay of ^{134}Cs, 24:11022
Lifetime of the 91.5 keV state in ^{151}Sm, 25:36807
Radiolysis of water vapor by α- and x-irradiation, 23:308
HOFMANN, U. Graphite as a ceramic material, 23:34089
HOFMANN, W. Reaction (γ,p) in light and medium weight nuclei, 23:39956
HOFMANN, Werner Increase of service reliability and maintenance, 25:20552
Reliability of control and safety systems, 23:43642
HOFMEISTER, Emmi Delta-Cephei stars from the standpoint of stellar evolution, 21:18372
Stellar evolution. VII, 21:13308
HOFMEISTER, F. J. Endometrial carcinoma in patients with bilateral oophorectomy or irradiation castration, 24:50999
HOFMEYR, C. Level structure of ^{71}Ge, 24:47589
HOFMEYR, N. G. Stomach scanning after intravenous Tc-99m administration, 22:10786
HOFMOKL, Helena Determination of the ground depth from absorption of muons, 23:9725
HOFMOKL, T. Application of duality diagrams to the multiperipheral descriptions of many-body processes, 25:53193
Application of Satz sum rules to high multiplicity processes, 22:22308
Application of Satz sum rules to high multiplicity processes, 22:29699 (INR-P-881/VI/PH)
Baryon variables in high-multiplicity interactions at high energy, 22:24550
Cross sections for meson—baryon two-body reactions, 24:10773
Cross-sections for the meson—baryon two-body reactions and the quark model, 23:34532 (INR-1040)
Energy dependence of cross sections for inelastic collisions of hadrons, 24:24373
Pseudoscalar meson production and the quark model, 23:36928 (INR-P-1047)
Pseudoscalar meson production and the quark model, 24:1595
Six-prong interactions of 8 GeV/c π^+ in H, 21:18923
HOFMOKL, Tomasz Six prong interactions of 8 GeV/c π^+ in hydrogen, 21:21139 (INR-761/VI/PH)
HOFNER, W. Efficacy of additional shielding in telecobalt therapy, 25:26779
HOFSTADTER, R. Elastic electron and muon scattering at 100 GeV, 24:51883 (TID-25473(Vol.4), pp 77-8)
Elastic electron scattering by ^{208}Pb and nuclear charge distribution, 24:13391
Electron scattering on nucleons and nuclei, 21:5348
Electron scattering studies of calcium and titanium isotopes, 22:53152
Electron scattering studies of calcium and titanium isotopes, 23:23645 (AD-675038)
Electron- and bremsstrahlung-induced fission of heavy and medium-heavy nuclei, 23:31040
Energy loss and straggling of high-energy muons in NaI(Tl), 22:8353
Fine structure in nuclear charge distribution, 24:52494
Generation of mechanical vibrations by penetrating particles, 23:35516
Generation of mechanical vibrations by penetrating particles, 24:16939 (AD-695420)
High energy γ-ray detector with good resolution, 22:28122
High Z scintillator, 24:39286
High-energy gamma-ray and particle detection, 23:21979
Inelastic electron scattering in tritium and ^{3}He, 21:1015 (AD-634756)
Landolt—Boernstein numerical data and functional relationships in science and technology, 22:32699
Lead fluoride Cherenkov shower counter, 22:40426
Measurement of cross sections for x-ray production by high-energy electrons, 24:51390
Mechanical oscillations induced by penetrating particles, 24:40484
NaI(Tl) spectrometer for γ-rays in GeV range, 22:40455
NaI(Tl) total absorption detector for electrons and gamma-rays at GeV energies, 23:29144 (AD-683701)
NaI(Tl) total absorption detectors for strongly interacting particles at GeV energies, 24:4493
Neutron form factors from inelastic electron scattering in tritium and ^{3}He, 21:2612
New instrument concept for gamma ray astronomy, 24:39367
Nuclear charge distributions from electron scattering: barium and neodymium, 25:59793
Properties of a NaI(Tl) total absorption spectrometer for electrons and γ-rays at GeV energies, 24:39338
Scattering of 750-MeV electrons by Ca isotopes, 21:38263
Scattering of fast electrons by oriented ^{165}Ho nuclei, 21:23485
Search for fractionally charged particles, 22:20116
Total absorption detector (NaI(Tl)) for electrons and γ-rays at GeV energies, 23:9750
Total absorption nuclear cascade detectors for high energy physics, 22:38040
HOFSTADTER, Robert Europium activated strontium iodide scintillators, 22:28129
New detectors for high-energy physics, 23:33399
Nuclear charge density distributions, 23:31082
Precise measurement of particle trajectories, 24:50622 (TID-25473(Vol.3), pp 65-73)
Suggested device for precise measurement of particle trajectories, 24:14241 (AD-695421)
Tests on total absorption detectors at NAL, 24:50619 (TID-25473(Vol.3), pp 49-50)
Total absorption detectors for high energy physics, 23:47843
HOFSTAETTER, A. B. X-ray and photo-induced processes in ZnO coating material, 25:36296
HOFSTEE, J. Ion—acoustic waves in the auroral plasma, 24:6440
HOFSTEIN, Steven R. Proton and sodium transport in SiO_2 films, 22:50953
HOFSTETTER, K. J. 2^- two-quasi-particle state in ^{184}W, 22:27181
Decay of ^{195}Ir and /sup 195m/Ir, 22:5837
Decay of ^{97}Ru, ^{97}Zr, and ^{97}Nb, 24:20415
Decay properties of neutron-deficient Os and Re isotopes. I, 21:10040
Decay properties of neutron-deficient osmium and rhenium isotopes. II, 21:38366
Determination of Cu in alloys by neutron activation, 21:45034
Level structure of ^{181}W from the decay of ^{181}Re, 25:15058
HOFSTETTER, Kenneth John Decay scheme studies of some neutron-deficient osmium and rhenium isotopes, 22:30041
HOFSTRA, G. Translocation and remobilization of ^{14}C assimilated at different stages by each leaf of wheat plant, 23:35612
HOFSTRA, Ruth Clinical studies of radiation effects in man, 22:12933
HOFTON, M. E. Determination of trace amounts of lanthanum in low-alloy steels by flame emission spectrophotometry, 25:51376
HOGAASEN, H. General classification of conspiracy relations, 21:42363
Projections on exchanged systems with well defined quantum numbers, and an application to ω production, 22:13758

HOGAN, A. F. Electron-density profiles of a theta-pinched plasma by holographic interferometry, 24:47204
HOGAN, Edward Merrick Thermal conductivity in oriented single crystals of hcp ^{4}He, 23:34360
HOGAN, G. Richard Pyrimidines and x-ray response of Tribolium confusum Duval, 23:6545
HOGAN, Gene Richard Pyrimidines and the x-ray response of Tribolium confusum, 21:20417
HOGAN, J. F. Reaction rate of Nb-1 Zr alloy with O, 23:48341
HOGAN, J. J. Decay series ^{135}Nd $\rightarrow$ ^{135}Pr $\rightarrow$ ^{135}Ce, 25:1756
HOGAN, J. T. Anomalous electron thermal losses in tokamaks, 25:49869
Containment in Tokamak and bumpy torus, 25:58961 (CONF-711016-1)
High-beta relativistic electron plasmas in axisymmetric and non-axisymmetric mirrors, 25:38477 (CONF-710607-91)
Kinetic equation with electromagnetic interactions, 21:27188
Oak Ridge Tokamak research, 25:38493 (CONF-710607-26)
Properties of Fokker—Planck equation, 22:24309
HOGAN, James J. Production of heavy nuclides in 440-MeV proton fission of U, 24:6933
HOGAN, John Classical diffusion in a Tokamak, 24:35374
HOGAN, M. A. Multiple linear regression analysis of scintillation gamma-ray spectra: automatic candidate selection, 24:4460 (AD-691424)
Multiple linear regression analysis of scintillation gamma-ray spectra, 24:27399
HOGAN, Mary Elizabeth Mogge SU(3) x SU(3) chiral Lagrangian model for anti KN interactions, 25:14703 (TID-25639)
SU(3) x SU(3) chiral Lagrangian model for anti KN interactions, 25:28037
HOGAN, O. L. Beta spectra. IV, 21:10594 (USNRDL-TR-1098)
Beta spectra. V, 21:25570 (USNRDL-TR-1101)
Spectra of ^{235}U fission products at selected times after fission, 21:13899 (USNRDL-TR-1093)
HOGAN, R. G. Progress report on the development of a tamper-resistant safing system for international safeguards and arms control applications, 25:21328
HOGAN, W. Argand-diagram analysis of Pomeron coupling to KN and anti KN system, 25:28035
HOGAN, W. A. Conservative trapping of charged particles in a static magnetic field, 25:27674
Electron distribution measurements in a hot electron, mirror contained plasma, 25:17135 (ORNL-TM-3302)
Electron distribution measurements in a hot-electron, mirror-contained plasma, 25:47525
HOGAN, W. H. Performance of a 4°K refrigerator, 21:44009
HOGAN, W. J. K^{+}-meson production in p—p collisions at 2.5 to 3.0 GeV, 22:20132
HOGAN, W. S. Effect of Mott—Schwinger interaction on neutron—proton scattering, 24:24399
Influence of electromagnetic interaction on neutron scattering from nuclei, 23:25953
HOGAN, Walter H. Conference on low-temperature refrigeration for microwave systems, Frankfurt a.M., West Germany, 4/28—29/1966, 22:15501
HOGAN, William John Search for a B = 2, S = —1 resonance, 21:18906
HOGAN, William S. Age approximation to x-ray transport, 21:6998
HOGAN, William Sanford Electromagnetic scattering of neutrons, 23:10968
HOGARTH, J. Gauss-based integration formula for secant integral function, 25:47605
HOGBERG, G. Damage in double-positioned gold films bombarded with helium ions, 22:24443
HOGBERG, S. Determination of relative intensities of M internal conversion lines in pure E2 transitions, 23:4024
Electron binding energies in platinum, 22:13540 (UUIP-553)
K/L, L/sub III//M/sub III/, and M/(N + O + P) ratios in pure E2 transitions, 23:4023
Low-energy internal conversion spectrum of ^{182}W from the decay of ^{182}Ta, 21:33977
HOGE, K. G. Dynamic mechanical properties of BLU-31/B mine structure, 23:45170 (UCRL-50584)
Friction and viscoelastic properties of plastic-bonded explosives, 21:40758 (UCRL-70588)
Friction and wear of explosive materials, 21:8240 (UCRL-50134)
Influence of strain rate on flow stress of tantalum, 24:44704 (UCRL-72321)
Influence of strain rate on flow stress of tantalum, 25:35399
Rheological properties of annealed tantalum, 25:16462
HOGE, Kenneth G. Computer simulation of a high speed tension test, 22:12198 (UCRL-13226)
Elastic precursor decay in tantalum, 25:27216
Low-velocity air gun and Hopkinson split-bar facility, 25:57289 (UCRL-51098)
HOGENBOOM, D. L. Rotational correlation times in chloroform and methyl chloroform, 24:29251
HOGERTON, J. F. Forecasting uranium requirements, 24:11120
HOGERTON, John F. Arrival of nuclear power, 22:39809
HOGERVORST, D. Graft copolymers of paper cellulose produced by ionizing radiation, 23:45306 (IRI-133-69-6)
HOGEWEG, B. Aspects of iron absorption and iron retention, 25:6732
Distribution of energy deposition of γ-rays and 15 MeV neutrons in cylindrical volumes, 24:44333 (EUR-4452, pp 171-81)
HOGG, B. G. Atomic mass determinations. I, 23:21371
Experimental and theoretical study of the momentum distribution of two-photon annihilating positron—electron pairs in methane, 23:1166
Momentum distributions of two photon annihilating positron—electron pairs in hexane and decane, 22:13252
Oxygen quenching of positron lifetimes in liquids, 21:18426
Positron annihilation in alnico and (La$_{0}$,Pb$_{0}$,)MnO$_{3}$, 21:28963
Positron annihilation in condensed ammonia, 23:10446
Table of positron annihilation data, 22:52536
HOGG, C. H. Neutron activation cross sections for the ^{60}Co isomers, 21:4235 (IN-1024)
HOGG, D. C. Absolute measurements of solar flux at 16 and 30 GHz, 25:16715
HOGG, D. E. Angular sizes of quasi-stellar radio sources, 21:6943
Fine-scale structure of Virgo A, 24:12603
Radio position of source OA 33, 22:17255
Synthesis of brightness distribution in radio sources, 24:8268
HOGG, David E. Structure of quasi-stellar radio sources, 23:20610
HOGG, G. W. Particle size control by jet grinding in a fluidized-bed denitrator, 25:8323 (IN-1439)
Study of the fludized-bed process for production of uranium aluminide, 25:22025 (IN-1422)
HOGG, H. Radiofrequency problems, 25:50230
HOGG, H. A. Beam break-up at SLAC, 21:46617 (SLAC-PUB-350)
Beam break-up experiments, 21:2549 (SLAC-PUB-224)
Feasibility of a two-mile superconducting linac, 23:28186
Microwave beam position monitors at SLAC, 21:38135
Recent beam performance and developments at SLAC, 23:28008
Recent beam performance and development at SLAC, 23:34685 (SLAC-PUB-563)
Superconducting niobium cavity measurements at SLAC, 25:50311
HOGG, Harold A. Crossed-field electron injector for an electron accelerator, 25:59659
HOGG, Kenneth Improvements in and relating to nuclear reactors, 21:8169
HOGG, W. R. Hodoscope of silicon surface barrier detectors, 24:21019
Total photon—proton cross section for hadron production, 25:25376
HOGGARD, Patrick E. Kinetics of water exchange in aquoamminecobalt(II), 24:31191 (RLO-2040-20)
HOGLE, J. J. General Electric boiling water reactor design, 24:24695
HOGLUND, B. High-resolution interferometry of small radio sources using intercontinental base lines, 22:49880
HOGLUND, B. M. Coolant transients during a rapid fission gas release in a fast reactor subassembly, 25:39278
Experimental study of a gas jet penetrating a liquid coolant and impinging on a heated surface, 25:26418 (ANL-7734)
Pressure distribution for axisymmetric two-dimensional flow in a plenum during coolant expulsion, 25:12808
Simulated fission gas release in a heated channel, 24:7357
Study of coolant transients during a rapid fission-gas release in a fast-reactor subassembly, 25:25971 (ANL-7651)
HOGLUND, R. F. Combustion and propulsion, sixth AGARD colloquium, Cannes, France, 3/64, 22:19816
HOGLUND, R. L. Long range planning model of the USAEC gaseous diffusion plant, 24:39158
Thermal diffusion column shape factors. II, 21:6145 (K-1679)
HOGLUND, Richard F. Thermodynamics of MHD energy conversion, 22:19828
HOGLUND, S. Plasma clearance of Fe and uptake of radiovitamin B$_{12}$, 22:467
HOGNESTAD, A. K. Thin-layer chromatographic separation on layers heavily loaded with powdered scintillators, 24:11456
HOGUE, D. Comparative utilization of dietary ^{224}Ra, 24:23077 (CONF-690501-, pp 183-90)
HOGUE, D. C. Dynamics and stability of heterogeneous systems with multipass and single-pass coolant flow, 21:7921
Influence of coolant pass arrangement on nuclear plant dynamics, 22:30152 (KAPL-P-3180)
HOGUE, James V. Electron stimulated desorption of excited neutrals: CO on W, 25:55435 (RLO-2221-T-7-4)
HOGUE, M. T. Study of the muon momentum spectrum and positive—negative ratio at sea-level, 25:22664
HOH, F. C. Alfven waves in relativistic plasmas, 22:26376 (D-1-82-0709)
Alfven waves in relativistic plasmas, 23:12923
Resonant particle energy transfer to magnetic perturbations with application to the geomagnetic tail, 21:23068 (D-1-82-0589)
Tail of the magnetosphere and particle acceleration, 21:9456
HOH, J. C. Containers for targets in production of radioisotopes in swimming-pool reactors, 21:45321
HOHBACH, R. Inductive beam monitor for extracted proton beam of CERN synchro-cyclotron, 21:29655 (CERN-67-9)
HOHENBERG, C. M. I—Xe dating: evidence for cold assembly of an unequilibrated chondrite, 24:48917
Iodine—xenon dating of the Shallowater achondrite, 22:21798
Isotopic analysis of rare gases from stepwise heating of lunar fines and rocks, 24:21532
Radioisotopes and the history of nucleosynthesis in the galaxy, 23:51358
Spallation and fissiogenic Xe and Kr from stepwise heating of the Pasamonte achondrite, 21:28875
Spallation yields of xenon from irradiation of Cs, Ce, Nd, Dy, and a rare earth mixture with 730-MeV protons, 24:44836
Xenon from the Angra dos Reis meteorite, 24:19529
Xenon—iodine dating: sharp isochronism in chondrites, 21:20671
HOHENBERG, Charles Morris Jr. Studies in I—Xe and Pu—Xe dating of pile-irradiated achondrites, 23:6223
HOHENBERG, P. C. Anisotropy and temperature dependence of the upper critical field of type-II superconductors, 21:13506
Critical phenomena and bearing on superconducting transition, 23:42187
Existence of long-range order in one and two dimensions, 21:33307
Fluctuation rounding of the resistive superconducting tranistion in thin lead films, 23:32296
High energy neutron scattering from liquid ^{4}He, 21:1025
High-energy neutron scattering from liquid ^{4}He, 21:7153
Mixed state of thin superconducting films in perpendicular fields, 21:37378
HOHENBERG, Pierre C. Theory of type-II superconductors, 23:27562
HOHENEMSER, C. Comparison of Moessbauer effect to time differential perturbed angular correlations: the case of ^{57}Fe in Ni host, 25:8144 (CONF-700114-1)
Delayed coincidence time resolution: NaI(Tl), 24:39313
Half-life of the first excited state of ^{125}Te, 22:16033
Hyperfine field of Sc in a Ni host, 25:8146 (CONF-700933-4)
Internal field of Rh in a Ni host near the Curie point, 24:11377 (NYO-3823-6)
Internal field of Sc in a Ni host, 24:11376 (NYO-3823-5)
Lifetime and g-factor of 74.8 keV state of ^{100}Rh, 25:20454
Perturbed angular correlation experiments on ^{100}Rh in Ni host near Curie point, 25:8145 (CONF-700933-3)
Polarized positron annihilation in ferromagnetic gadolinium, 23:1162
HOHENEMSER, Christoph Prog. rpt. on critical point behavior in magnetically ordered solids, annual, 2/1/67—10/31/67, 22:7351 (NYO-3823-1)
HOHENHINNEBUSCH, W. Combination of a sea-water flash-distillation plant with a nuclear plant, 23:49614
HOHL, F. Electric potentials, forces, and torques on bodies moving through rarefied plasmas, 21:29101
Minimum energy principle in plasma physics, 24:23993
Thermalization effects in a one-dimensional self-gravitating system, 22:8922
HOHL, Frank Approach to equilibrium for a collisionless system, 23:1419 (LA-3990, pp B2.1-8)
Collective effects in stellar dynamics and plasma physics, 22:45841
Computer model of disks of stars, 23:51308
Computer simulation of the evolution of spiral galaxies, 22:47718 (N-68-23316)
Computer solutions of the gravitational n-body problem, 23:30287
Dynamical evolution of disk galaxies, 25:4929 (N-70-33057)
Dynamics of a one-dimensional plasma sheath, 23:1436 (N-68-30031)
Dynamics of the gravitational two-stream instability, 25:24700
Effects of axial gradients of velocity and magnetic field, electrode stagger, and ion slip on parameters in MHD accelerators, 22:34646 (N-68-10502)
Effects of velocity dispersion on the evolution of a disk of stars, 24:1235
Minimum energy property of a bounded one-dimensional plasma, 23:14796
Numerical experiments on one-dimensional stellar models, 23:30223
Numerical experiments with a disk of stars, 25:52571
Numerical experiments with a one-dimensional model for a self-gravitating star system, 21:20689
One- and two-dimensional models to study the evolution of stellar systems, 21:43697 (NASA-SP-153, pp 323-36)
Simulation of the evolution of stellar systems, 25:2864
Statistical mechanics of a collisionless self-gravitating system, 23:18364
HOHL, R. Saturated-steam turbines for nuclear power stations, 23:19518
Some problems relating to saturated steam turbines for nuclear power plants, 22:18489
HOHLA, Chr Theoretical approach to the problem of cluster ion formation, 22:5034 (BMwF-FBK-67-74)
HOHLFELDER, Jacque J. Half-life of ^{53}Mn, 24:13340
HOHLFELDER, Jacque Jerome High-abundance sensitivity mass spectrometer and measurement of half-life of ^{53}Mn, 24:27477
HOHLOCH, E. Isobaric spin mixing in the ^{8}Be 16.62 and 16.92 MeV states, 21:19179
HOHMANN, G. L. Limiters in NERVA reactor control, 22:1844
HOHMANN, Garold L. Nuclear subsystem controls for the NERVA experimental engine, 22:1843
HOHMANN, H. First experiments with the zero power facility ECO, 22:18563
HOHMUTH, K. Electron capture ratio P/sub L//P/sub K/ of ^{56}Ni and ^{57}Ni, 22:5807
K-capture probability of ^{139}Ce, 23:44893
Levels in ^{167}Tm, 24:43384
Levels in ^{167}Tm, 25:5726
Levels in ^{171}Lu, 25:25785
Total absorption method for investigations of electron capture and K-capture probability of ^{139}Ce, 22:39641
HOHNE, K. Electroproduction of single π^{+} mesons on hydrogen, 25:40865
HOHNKE, D. Rare earth bismuthides with D8$_{8}$ and Hf$_{5}$Sn$_{3}$Cu-type structures, 23:14361
HOHNSTREITER, Glenn Fredrick Electron temperature distribution in a non-equilibrium partially ionized flowing plasma, 23:1380
HOIGNE, J. Aspects of hydrocarbon radiolysis, 22:42805
Disinfestation of insect-infested wheat by means of ionizing radiation, 25:52288
Solvent-sensitized radiochemical reactions. II, 23:26299

- HOIGNE, Juerg Aromatic hydrocarbons, 22:42802
  - Radical and radiation-induced grafting of polymers within range of their glass transition, 24:22693
- HOINKES, H. ZnO crystal as sensitive and selective detector for atomic hydrogen beams, 22:2357
- HOINKIS, E. Cation diffusion kinetics in synthetic zeolites of types x and a, 25:48594
  - Chemical aspects of reactor safety, 22:1764 (HMI-B-64)
  - Chemical aspects of reactor safety, 22:53276 (HMI-B-76)
  - Chemical aspects of reactor safety. II, 22:24962 (HMI-B-68)
  - Chemical aspects of reactor safety. IV, 25:1908 (HMI-B-99)
  - Chemical aspects of reactor safety, 25:60116 (HMI-B-113)
  - Isotope exchange investigations on silicate ion exchangers. VIII, 24:7434
  - Isotopic exchange investigations on silicate ion exchanges. IX, 24:7435
  - Isotopic exchange investigations on silicate ion exchangers. X, 24:13822
  - Isotopic-exchange investigation on silicate ion exchangers. V, 21:23867
  - Isotopic-exchange investigation on silicate ion exchangers. IV, 21:23866
  - Review of the adsorption of iodine on metal and its behavior in loops, 24:25025 (ORNL-TM-2916)
  - Temperature programmed desorption of iodine from Fe_3O_4 powder, 25:39579
- HOITINK, N. C. Compton suppression using pulse-shape discrimination and anticoincidence techniques, 22:21308 (BNWL-SA-1515)
  - Compton suppression using pulse-shape discrimination and anticoincidence techniques, 22:40451
  - Effect of ^{60}Co irradiation on passivated and nonpassivated avalanche diodes biased near breakdown, 23:7923 (BNWL-788)
  - Effects of fast neutron irradiation on the performance characteristics of reactor-grade thermocouples, 24:39410 (BNWL-1365)
  - Effects of fast neutron irradiation on thermocouples, 25:15982 (WHAN-SA-10)
  - Effects of fast neutron irradiation on thermocouples, 25:21517
  - Effects of fast neutron irradiation on chromel/alumel thermocouples, 25:35072 (HEDL-SA-152)
  - High temperature and gamma effects on counting-type neutron flux detectors, 24:39266
  - Improvements in raindrop charge measuring system, 23:9567 (BNWL-715-3, pp 150-3)
  - In-core detector cables: signals or noise, 24:46022
  - In-vessel detector cables: signals or noise, 25:15983 (WHAN-SA-18)
  - Irradiation effects on charge-multiplying diode detectors, 23:45601 (BNWL-1051(Pt.3), pp 25-7)
  - Irradiation effects on semiconductor detectors and components, 22:47441 (BNWL-715(Pt.1), pp 15-20)
  - Measurement of radionuclide uptake by algae, 22:43275
  - Pulse shape discrimination circuitry for Compton suppression, 23:45507 (BNWL-1051(Pt.3), pp 13-17)
- HOITINK, Neil C. High-level gamma tolerance of fission chamber and boron-lined neutron counters, 23:35486
  - Instrument for reading ionization chamber dosimeters, 22:47387
- HOIZUMI, Atsushi Analysis of neutron flux distribution, 24:11172
  - Analysis of the neutron flux distribution, 25:25968
- HOJGAARD, E. New type of reactor containment of prestressed concrete, 23:4149
- HOJMAN, S. Algebraic method for solving Dirac equation with a Coulomb potential, 25:47698
  - Algebraic solution of a short-range potential problem, 25:14491
  - Algebraic treatment of nonrelativistic and relativistic quantum equations and its relation to the theory of differential equations, 25:38788
- HOJO, H. Direct use of phase refractive index for reducing h'(f) curves to N(h) profiles, 22:1054
- HOJO, Takashi Multialkali photomultiplier tube, PM55, 22:12582
- HOJVAT, C. Associated particle method for total proton reaction cross sections at 15.8 MeV, 23:8902
  - Behaviour of deuterated polyethylene targets enclosed in carbon layers, 24:3817
  - Low lying levels in ^{81}Br, 24:1785
- HOJVAT, Carlos Federico Method for determining total proton reaction cross sections, 23:7357
- HOKAO, Zenjiro Principal hydraulic jet parameters and stress distribution in coal seams during hydraulic crushing, 24:16380 (ORNL-tr-2269)
- HOKE, C. Chromosome damage in thyroid cells of adults irradiated with x-rays in infancy, 25:32380
- HOKHIKIAN, Hagop Proton—induced charged—particle reactions on ^{14}N at 46 MeV, 24:20328
- HOKHIKIAN, J. Charged particle reactions from ^{7}Li + p at 30 MeV, 23:19181
  - Reactions (p,^{3}He) and (p,^{4}He) on isotopic Li targets, 21:7695 (USC-136-112)
- HO-KIM, Q. A separable potential model for nuclear Hartree—Fock calculations, 24:43538
  - Effective nonsingular nucleon—nucleon interaction, 24:6731
  - Elastic neutron scattering on ^{16}O, 22:3620
  - Giant dipole resonances in ^{20}Ne, 24:43262
  - Ground state properties of ^{16}O, 24:43147
  - Multiconfiguration field theory in nuclei, 24:40678
  - Nonlocal forces and dipole sum rules, 24:38383
  - Nonlocal forces and Hartree—Fock calculations, 24:15981
  - Polarization transfer in the (p,n) reaction, 25:17714
  - Polarization transfer in the ^{7}Li(p,n)^{7}Be reaction, 24:18364
  - Production of pi-mesons by inelastic electron scattering from nuclei, 23:23775
  - Three-nucleon transfer reactions, 23:21386
- HOKIN, Lowell E. Radioautographic localization of the increased synthesis of phosphatidylinositol in response to pancreozymin or acetylcholine in guinea pig pancreas slices, 21:26353
- HOKIN, Mabel R. Effects of dopamine, gamma-aminobutyric acid, and 5-hydroxytryptamine on incorporation of ^{32}P into guinea pig brain, 24:29702
- HOKKEN, G. A. Negative-parity levels in A = 35, 37, and 39 nuclei, 24:22118
- HOKKYO, Noboru Equivalence principle and geodesic De Broglie waves, 25:9152
  - Model of turbulent vortex generation in boundary layer, 25:32124
  - Quantum fluctuation of gravitational field and creation of matter, 22:39307
  - Two-component picture of fermion trajectory, 23:25129
  - Wave equation for radiationless particles, 21:40159
- HOKURA, Hajime Radiosensitivity of tissue O tension. I, 23:41387
  - Radiosensitivity of tissue oxygen tension. II, 23:41388
- HOKUTO CASTILLO, Alfonso Geology of U bearing deposit of mesquite, Rodeo, Durango, 22:25502 (NP-17345)
- HOLADAY, D. A. Exposure experiences in uranium mining, 23:24647
- HOLADAY, Duncan A. History of the exposure of miners to radon, 23:26915
  - Mortality of U miners in relation to radiation exposure, hard-rock mining, and cigarette smoking, 23:26916
  - Preventive measures in exploitation of natural resources, 23:50571 (PHS-999-RH-33, pp 108-11)
- HOLAH, D. G. Actinide chelates: U(IV) N,N-diethyldithiocarbmate, 21:42960
  - Actinide(IV) N,N-diethyldithiocarbamate complexes, 22:30515
  - N,N-diethyldithiocarbamate complexes of certain tervalent lanthanide and actinide elements, 23:6106
  - NN-diethyldithiocarbamate complexes of trivalent lanthanides and actinides, 24:22633
  - Preparation and crystallographic properties of certain lanthanide and actinide tribromides and tribromide hexahydrates, 22:45046
  - Reactions of Na N,N-diethyldithiocarbamate with the chlorides and bromides of Nb(V), Ta(V), and Pa(V), 25:34568
  - Stabilisation of plutonium tetrabromide and uranium pentabromide, 22:37722
  - Structure of Th(IV) tetrakis-(NN-diethyldithiocarbamate), 24:16504
  - X-ray single-crystal and powder diffraction results for cesium heptafluoroprotactinate(V), 22:10248
- HOLAH, D. H. Dimethyl sulphoxide complexes of the actinide tetrachlorides, 22:16522
- HOLAHAN, F. S. Radiation graft copolymerization, 21:32191 (NP-16834)
- HOLAN, J. Clinical study of development of radiogenic tumor, 22:23647
  - Dosage in telecurietherapy with computer, 23:35753
- HOLAN, T. Applications of electron spin resonance in the study of rat radiation effects in vivo, 21:16500
  - Beta therapy with ^{90}Sr in plastic induration of the penis, 25:19072
  - Correlation between ^{131}I thyroid uptake and electroencephalogram in poliomyelitis sequelae, 22:43246
  - Correlation between radioprotective effect and inhibition of respiratory enzymes, 24:34391
  - Investigations on the rehabilitation of feed-back mechanisms in radio-iodine treated hyperthyroid patients, 22:43245
- HOLAN, Tiberiu The radioprotective effect of imipramine, 21:30851
- HOLAS, A. Collimators in neutron time-of-flight powder diffractometry, 21:12707 (INR-747/II/PS)
  - Focusing of a time-of-flight diffractometer for structure analysis, 23:17847
  - Focusing of the time-of-flight diffractometer for structure analysis, 21:1672 (INR-742/II/PS)
  - Focusing of time-of-flight diffractometer for structure analysis, 22:23359 (JINR-E14-3759)
  - Intensity and resolution in the time-of-flight powder diffractometry, 21:3913 (INR-745/II/PS)
  - Theory of vibrational spectrum in hexagonal metals, 24:10619
- HOLAS, Andrzej Collimators in neutron time-of-flight powder diffractometry, 22:51288
  - Intensity and resolution in neutron time-of-flight powder diffractometry, 22:44251
- HOLAS, J. Focusing of a time-of-flight diffractometer for structure analysis, 23:17847
  - Focusing of time-of-flight diffractometer for structure analysis, 22:23359 (JINR-E14-3759)
- HOLBAN, I. M. Field producing part of the effective interaction in nuclei, 22:27312
  - Residual interaction in nuclei, 21:25579
- HOLBAN, I. N. Residual interaction in nuclei, 21:12075 (JINR-E4-3034)
- HOLBEN, Bernard Christie Improvements in nuclear gauges, 25:37661
- HOLBOROW, E. J. Genesis of immunological competence, 22:10715
- HOLBOYD, R. A. Reaction of nitrous oxide with excited molecules in the radiolysis and photolysis of liquid alkanes, 22:16620
- HOLBROOK, F. R. Mating competitiveness of unirradiated and irradiated Mediterranean fruit flies, 24:44649
- HOLBROOK, J. A. D. Irregularities in the lower ionosphere deduced from beacon satellite observations, 23:12654
  - Isolated field-aligned irregularity, 23:42067
- HOLBROOK, M. Combined 5-fluorouracil and supervoltage radiation therapy of locally unresectable gastrointestinal cancer, 24:6058
- HOLBROUGH, D. COSMIC: Monte Carlo program for thermal neutron re-thermalization studies, 25:38840 (AERE-R-6658)
- HOLBROUGH, D. W. SPECIFIC II: Monte Carlo program for high energy neutron spectrum estimation, 25:38839 (AERE-R-6622)
- HOLBROW, C. H. Distorted-wave analysis of ^{12}C(^{3}He,d) reaction leading to unbound levels of ^{14}N, 25:33973
  - Hole-particle states in ^{18}F, 23:1819
  - Investigation of states of ^{39}Ar by the ^{38}Ar(d,p)^{39}Ar reaction, 21:7738
  - Nuclear structure of ^{18}F, 24:13298
  - Nuclear-structure studies of ^{55}Co and ^{57}Co by means of the ^{54} ^{56}Fe(^{3}He,d) reaction, 21:19226
  - Study of ^{14}N by several transfer reactions, 23:52115
  - Study of ^{14}N by the reaction ^{12}C(^{3}He,d)^{14}N, 21:9939
- HOLCMAN, J. Radiolysis of liquid ethanol—benzene mixtures in the presence of electron scavengers, 24:9361
- HOLCOMB, B. D. Program user's manual capital budgeting problem, 25:10337 (AECOP-621)
- HOLCOMB, D. F. Taxonomy of F-aggregate centers in NaF, 23:44500
- HOLCOMB, G. N. Tissue distribution of ^{125}I-iodopropamide in the dog, 25:24032
- HOLCOMB, H. P. Foil measurements of integral cross sections of higher mass actinides, 22:20567 (DP-MS-67-112)
  - Oxidation of actinides in concentrated CsF solutions, 22:10242
  - Reactor cross sections for ^{242}Pu—^{252}Cf, 22:20566 (DP-MS-67-111)
- HOLCOMB, H. Perry Yields of transcurium nuclides in SRP high flux reactor, 22:14419 (DP-1137)
- HOLCOMB, Mack H. Introduction to electron beam therapy, 25:16264
- HOLCOMB, R. A. Radiographic techniques for reliability screening of relays, 22:12558 (N-67-23261)
- HOLCOMB, R. S. Performance characteristics of a short reentry tube steam generator at low steam output, 25:41962 (ORNL-TM-3236)
  - Performance of experimental jet pumps under noncavitating and cavitating conditions, 22:24972 (ORNL-3745)
  - Preliminary evaluation of an assumed core meltdown accident in a 1000 MW(e) gas-cooled fast breeder reactor, 25:54161 (ORNL-TM-3546)
  - Reference design for isotope power unit employing organic Rankine cycle, 25:15839 (ORNL-TM-2960)
  - Survey of the materials and design of insulation for prestressed-concrete vessels for gas-cooled reactors, 25:37006 (ORNL-TM-2929)
- HOLCOMB, Robert Controlled fusion: plasma heating with lasers, 24:17876
- HOLCOMB, Robert W. Galaxies and quasars: puzzling observations and bizarre theories, 24:23697
  - Radiation risk: a scientific problem, 24:17017
- HOLCOMB, Thomas M. Radiation reaction in ataxia telangiectasia, 23:20277
- HOLCOMB, W. F. Carburization of type 304 stainless steel in liquid sodium, 22:4746
  - High level radioactive solid waste burial operations for the EBR-II fuel cycle facility, 21:22118
- HOLCOMB, William F. Argon cell used to reprocess reactor fuel, 22:27879
  - Causes of concrete cracking and methods of control, 24:48005 (NVO-38-26)
  - Experience with glovebox inert atmosphere control system, 22:4328
- HOLCOMBE, C. E. Determination of the crystal system and lattice parameters of previously unreported compounds, 23:45247 (Y-1687)
  - Formation of solid solutions of metals of group 11B with boron, and deformation mechanisms, dislocations, and twinning in boron, 24:1089 (Y-1691)
  - Metallographic examination of porous materials, 22:43544 (Y-1625)
- HOLCOMBE, C. E. Jr. Accurate determination of D(10) spacings from LEED photographic measurements, 25:41683 (Y-1789)
  - Preparation and characterization of ultrafine particles from materials of high hardness, 24:33624 (Y-1723)
- HOLDAMPF, E. A. Nijmegen PEPR: status, 25:6562 (MIT-2098-660, pp 27-34)
- HOLDEMAN, J. Discrepancies in the low-energy proton—proton scattering data, 24:12940
- HOLDEMAN, Jonas T. Jr. Legendre polynomial expansions of hypergeometric functions with applications, 24:15698
- HOLDEMAN, Jonas Tillman Jr. Electromagnetic scattering of charged particles with spin, 21:33215
- HOLDEN, A. N. Dispersion fuel elements, 22:15205
  - Fabrication of refractory metal nuclear thermionic emitter thimbles, 21:9131
  - High temperature nuclear fuels, 23:8261
- HOLDEN, D. F. 178-MHz observations of galactic radio sources, 23:39160
- HOLDEN, D. J. Extended radio sources in Monoceros, 23:3210
  - Investigation of the clustering of radio sources, 21:33063
  - Observations at 178 MHz of the North Galactic Spur, 24:6331
  - Radio spectra of sources in fourth Cambridge catalogue. III, 22:31569
  - Survey of radio emission at 178 MHz, 22:8970
- HOLDEN, F. C. Fracture toughness of refractory metals and alloys, 23:27096
- HOLDEN, H. How safe are microwaves, 23:50577
- HOLDEN, H. D. Excitation of hydromagnetic waves in earth's upper atmosphere by sources of finite extent, 22:47889 (AD-668332)
- HOLDEN, J. E. Sensitivity of (^{3}He,t) reaction to final-state configurations, 25:10013
- HOLDEN, J. P. Absorptive Regge cuts and local duality, 24:49612
  - Crossing-symmetric, Regge-behaved amplitudes with cuts, 25:30856
  - Regge cuts in the Van Hove model, 25:45757
  - Regge cuts in Van Hove model: pion nucleon forward charge-exchange scattering, 25:41001 (RLO-2041-57)

HOLDEN, James E. High-spin states in ^{24}Mg, 25:45952
Low-lying states in ^{57}Ni, 24:52534
HOLDEN, John Phillip Kinematic constraints on helicity amplitudes for arbitrary external masses, 24:10736
HOLDEN, N. E. Total gamma energy release due to thermal—neutron fission in ^{235}U, 22:3709
Use of infinite medium spectra in gamma-ray heating calculations, 22:3156
HOLDEN, R. Development of agglomerate sintered cermet fuel, 22:34096 (GMAD-3078-21)
Development of hot isostatic pressed cermet fuel, 22:34097 (GMAD-3078-25)
HOLDEN, R. B. Development and testing of high-loaded UO_2—Nb cermet fuel, 22:4831
Electrochemical meter for hydrogen in sodium, 23:45573 (ANL-7520(Pt.1), pp 262-7)
Fuel for an ordered bed reactor, 23:8363
Prog. rpt. on electrochemical meter for measurement of hydrogen in sodium, 10—12/68, 23:40538 (PB-183567)
HOLDEN, Ralph Owen Improvements relating to lagging boxes for nuclear reactors, 21:44953
HOLDEN, Robert B. Ceramic fuel elements, 21:43651
Fundamental study of the compatibility of stainless steel and mixed carbide fuel, 23:4231
High loaded UO_2—Nb cermets, 23:20544
HOLDEN, T. M. Exchange and crystal-field interactions in Er and Ho, 25:5214
Neutron paramagnetic scattering from holmium and erbium, 22:24817
Observation of spin waves in erbium, 21:44163
Spin-wave excitations in $Ho_{0.5}Er_{0.5}$, 24:24162
Spin-wave excitations in the conical and spiral magnetic phases of holmium metal, 23:30651
Temperature dependence of spin-wave energies in erbium, 25:47671
HOLDEN, W. D. Radiation induced injury of the gastrointestinal tract, 23:50893
HOLDEN, Wilhem Milk in radioactive irradiation, 24:19379
HOLDER, B. E. Solid-state high-resolution NMR spectrometer for multinuclei applications, 23:14086 (UCRL-71480)
HOLDER, Bert Comments on sources and analysis of moisture in PSB foam, 24:29168 (UCRL-72453)
HOLDER, F. D. Inelastic electron scattering cross sections using a finite nuclear well, 22:5888
HOLDER, J. Characterization of uranium powders with respect to the preparation of frittable dioxide, 22:49821
Effect of thermal-neutron irradiation on elastic moduli of LiF, 23:42401
Preparation of sinterable uranium dioxide for fabrication of fuel for EL-4, 23:18257 (LIB/Trans-189)
HOLDER, Jean Process and apparatus for producing elongated rods, 21:26886
Process for the fusion of materials and device for carrying the said process into effect, 21:18314
HOLDER, M. Angular dependence of K/sub L/—K/sub S/ regenerative scattering for copper and lead at high energies, 24:24223
Coherent regeneration from electrons, 24:1501
Dependence of neutrino cross sections on the atomic weight of the target, 23:36822 (PITHA-29)
Further results on small-angle elastic proton—proton scattering at very high energies, 25:53015
K/sub L/ $\rightarrow \mu^+\mu^-$ and K/sub L/ $\rightarrow e^+e^-$ decays, 24:1504
K/sub L/—K/sub S/ regeneration from liquid H, 25:7558
Proton—proton elastic cross section at 30 GeV, 25:38651
Search for fractionally charged particles in showers, 24:32951 (PITHA-36)
Search for fractionally charged particles in showers of low density, 24:32952
Small angle proton—proton elastic scattering at 30 GeV and 45 GeV, 25:38650
Spark-chamber study of elastic neutrino interactions, 22:48217
Wall-less proportional counter hodoscope with a computer on-line, 23:43533
HOLDER, P. Cavity boundary conditions for the neutron flux density with deviations from Lambert's law, 21:29851
HOLDOWAY, M. J. Urania aggregate and spheres by a sol—gel route, 23:3130
Urania-preparation of sols, aggregate, and spheres, 21:9212 (AERE-R-5241)
Volatilization and deposition of Ru dioxide in relation to FINGAL process, 25:51571 (AERE-R-6418)
HOLDREDGE, Russell Morton Heat transfer from cylinders to a saturated liquid He II bath, 21:2190
HOLDREN, G. R. Rate constants for reaction of hydrogen atoms in aqueous solutions, 25:18459
HOLDREN, G. R. Jr. EPR spectrum of x-irradiated adamantane, 25:39533
HOLDREN, John P. Relativistic sheet pinches with current shear, 23:30558
HOLDREN, John Paul Collisionless stability of an inhomogeneous, confined, planar plasma, 25:25132
HOLDRIDGE, D. B. Random number generators for Sandia 3600 and their statistical properties, 21:21837 (SC-RR-67-65)
HOLDSWORTH, C. D. Comparison of three isotopic methods for the study of calcium absorption, 24:2540
HOLE, J. A. Surface contamination control at AWRE, 22:23554
HOLECEK, J. Beams of polarized neutrons in the Institute of Nuclear Research of Czechoslovak Academy of Sciences, 21:21784
HOLECEK, Milan Efficiency dependence of Geiger-Mueller tubes on the angle of incidence of gamma radiation, 21:1616
HOLECKOVA, L. Packing materials for γ-irradiated foodstuffs, 25:30033
HOLECKOVA, Libuse Use of radioisotopes and ionizing radiation in the food industry, 24:42046
HOLEMAN, E. Time variations of radiation belt protons, 24:45104
Tracks of cosmic rays in plastics, 21:23036
HOLEMAN, G. R. Calibration of GM detector to measure ^{15}O and ^{13}N in air by immersion in standardized ^{32}P solution, 23:31522
Measurement of accelerator produced stray neutron spectra, 24:50567
Radiation shielding for an MP tandem accelerator installation, 21:33834
Stray neutron spectra, 24:44291 (CONF-691101-, pp 552-65)
HOLEMAN, George R. Evaluation of an iterative technique's use in unfolding neutron spectra data, 23:3922
Method of inferring quality factor, 22:8364 (CONF-670305-, pp 255-68)
HOLEMAN, R. H. A parametric survey of a steam-cooled fast-breeder reactor, 22:6010
Analysis of U fuel irradiated in Yankee reactor, 23:37442
Steam-cooled fast breeder power reactors parametric design studies, 22:27401 (BNWL-713)
ZODIAC(2 + 2), 21:38740 (BNWL-459)
ZODIAC-G: a code for multigroup, multiregion burnup calculations, 25:34420 (BNWL-1559)
HOLERCA, J. Biostimulative effect of irradiated chrysalys meal on piglet development, 21:9047
HOLFORD, R. M. Automatic monitor for airborne radioiodine, 23:29285
Effect of x-rays on rate of DNA-synthesis in mouse L-cells, 21:20363
Monitoring atmosphere for radioactive isotopes, 25:23527
HOLGATE, E. J. Quality assurance specifications and testing methods for bonded cobalt slabs, 22:47666 (DP-1152)
HOLGYE, A. Urinary excretion of radioactive ^{210}Po by Czechoslavakian uranium miners, 24:50795 (ANL-Trans-847)
HOLGYE, Z. Urinary excretion of ^{210}Po by miners in Czech U mines, 24:34371
HOLIAN, J. Mechanism and stoichiometry in the radiolytic oxidation of purines and aminopurines in aqueous solution, 21:34296
Reconstitution mechanisms in the radiolysis of aqueous biochemical systems: inhibitive effects of thiols, 23:7582
HOLIAN, John Identification of a specific mode of oxidation in the radiolysis of the purine bases in oxygenated aqueous solution, 21:12457
Radiation chemistry of α-amino acids, 23:33221
Radiation-induced oxidation of cytosine and uracil in aqueous solution of copper (II), 21:4564
HOLICK, Hubert Thermionic fuel rod with nuclear fuel, 25:34375
HOLICKY, M. J. Continuum-mechanics and micro-mechanisms for in-reactor creep of zirconium alloys, 25:22134
Secondary creep of anisotropic nuclear materials, 23:51045
HOLIFIELD, Chet Control of man's environment, 23:17964 (CONF-670503-, pp 1-8)
HOLIN, V. M. Values of the fundamental physical constants according to agreements in 1969, 25:20905
HOLINDE, K. Non-static one-boson-exchange potential for nuclear structure calculations, 24:11028
Nuclear forces and meson-exchange, 24:43529
One boson exchange potential and nuclear matter properties, 25:28448 (CERN-70-30(Vol.2), pp 1133-5)
One-boson exchange potential and nuclear matter properties, 25:15199
HOLISTER, Geoffrey Stanley Improvements in strain measuring, 24:25232
HOLKEBOER, D. H. Cryosublimation trap for extremely high-vacuum systems, 23:35450
HOLL, P. M. Design of a 36-inch miter valve, 24:36460 (UCRL-50863)
Operation of a 12-inch fast gate valve with a pressure cartridge, 25:3998 (UCRL-50930)
HOLL, R. J. Nonintegral burn of nuclear rockets, 23:45115
HOLL, Richard J. Nuclear shuttle for interorbital and transplanetary applications, 25:37089
HOLLADAY, G. Distribution and redistribution of airborne particulates from the Schooner cratering event, 25:10716 (UCRL-72534)
System for measurement of deposition and resuspension of radioactive particulate released from Plowshare cratering events, 24:20929 (UCRL-71824)
HOLLADAY, Gale Sampling and analytical systems for measurement of environmental radioactivity, 25:46622 (UCRL-72987)
System for the measurement of deposition and resuspension of radioactive particulate released from Plowshare cratering events, 24:39255
HOLLADAY, J. H. Contamination alarm system and contamination system installed in fission products development laboratory, 22:31062 (ORNL-TM-2149)
Description of process radiation monitoring instrumentation in the transuranium processing plant, 22:19098 (ORNL-TM-1774)
Facility radiation and contamination alarm systems, 21:24414 (ORNL-TM-1766)
Gamma—neutron radiation monitoring system in 5-Mv Van de Graaff accelerator area, 22:25632 (ORNL-TM-2137)
HOLLADAY, John Alexander Improvements relating to rotary winding means, 21:32047
HOLLADAY, R. L. Consumers Big Rock Point process computer system, 21:10129 (GEAP-5297)
HOLLADAY, W. G. Nonleptonic sigma decays, 21:35290
Partial widths for decay of T = $^3/_2$ nucleon states into Σ^+K^+, 24:49511
Partial widths for the decay of T = 3/2 nucleon states, 24:15584
Poles and resonances in eta production, 22:15811
HOLLADAY, Wendell G. Poles and resonances in eta photoproduction, 21:44317
HOLLAENDER, A. Modification of radiation damage by sulfur compounds, 24:12119
HOLLAN, Susan R. Characteristics of gamma-ray-irradiated human immunoglobulin G, 24:34098
HOLLAN, T. Radioprotective sulfanilamides, 21:6524
HOLLAND, C. H. Interference between neutral kaons and their mass difference, 22:46320
Interference effects of neutral kaons and sign of their mass difference, 21:44256 (UCSD-10-P-10-102)
Sign of the mass difference of neutral kaons, 21:46469 (UCSD-10-P-10-104)
HOLLAND, C. L. Effects of safety on economics in a 1000-MW(e) LMFBR, 22:5970
HOLLAND, C. W. Statistical analysis of the results of a series of experiments on the carbon-foam production process, 23:43252 (Y-1682)
HOLLAND, D. A. Calibration curves for determining water content from radiation counts, 23:41081
Theoretical analysis of model spherical vessel, 23:11215
HOLLAND, Douglas Francis Finite transformations and basis states of SU(n), 24:3714
Finite transformations of SU(3), 23:27831
Finite transformations of SU3, 23:32795
HOLLAND, Eva M. Mutants of E. coli with altered surface properties and sensitive to uv light, 25:11029
HOLLAND, G. E. Deuteron-induced studies on the equilibrium shape and particle and hole states in ^{28}Si, 22:27018
Nuclear structure in the lead region from isobaric analog resonances, 22:27212
Reaction (p,t) on ^{119}Sn and ^{117}Sn, 24:43437
Reaction (p,t) on even tin isotopes, 22:27202
Reaction ^{206}Pb(p,t)^{204}Pb, 24:43436
Reaction ^{208}Pb(p,d)^{207}Pb at 20 and 22 MeV, 22:27206
Reaction ^{208}Pb(p,t)^{206}Pb at 20 and 22 MeV, 22:27207
Single-hole structure of ^{207}Pb, 24:30831
HOLLAND, George Edward Jr. Two-neutron transfer from nuclei near single and double closed shells, 25:48098
HOLLAND, Heinrich D. Studies in Providencia area, Mexico. III, 21:12523
HOLLAND, I. B. Co-transduction of a pleiotropic mutation affecting colicin E2 refractivity, uv sensitivity, recombination proficiency, and surface properties of E. coli K12, 25:26707
Identification of closely linked loci controlling ultraviolet sensitivity in E. coli, 23:35695
Mutants of E. coli with altered surface properties and sensitive to uv light, 25:11029
Properties of uv sensitive mutants of E. coli K12 that are also refractory to colicin E2, 22:17015
HOLLAND, J. Effect of ^{32}P incorporated into chick embryo, 24:32213
Effect of γ irradiation on tetracyclines, 22:52102
Effect of whole-body x-irradiation of guinea pigs on liver ribosomes, 23:4899
Effect of whole-body x-irradiation of guinea pigs on liver ribonucleic acid synthesis, 24:34100
Enrichment of polysomes in the liver upon x-irradiation in vivo, 21:20082
HOLLAND, J. A. Dynamic relaxation applied to local effects, 23:11201
HOLLAND, J. C. Photonuclear Data Index, 21:17354 (NP-16603)
HOLLAND, J. G. Self-consistent mass absorption correction for silicate analysis by x-ray fluorescence, 21:5778
HOLLAND, J. R. Capsule materials for space isotopic heat sources, 24:31628
Requirements of capsule materials, 22:45766 (SC-DC-68-2385)
Requirements of radioisotope capsule materials, 24:23460
Transit analysis, 24:4840 (SC-RR-69-662)
HOLLAND, J. Read Effects of shock loading on the lattice of a silicon bronze with low stacking fault energy, 22:17828
HOLLAND, J. W. Diagnostic and thermometry methods for in-pile thermionic converter testing, 23:14660 (GA-8634)
Long term operations of in-pile thermionic converters, 22:41399 (GA-8900)
HOLLAND, J. Z. Radioactive air pollution in 9 D's, 22:40228 (AECL-2787, pp 161-75)
HOLLAND, James M. Radiation therapy in the treatment of carcinoma of the prostate, 25:29597
Seldinger catheter in radiation therapy, 21:39465
HOLLAND, Joshua Z. Application of some statistical techniques to the study of eddy structure, 22:50895 (TID-24585)
Radioactive pollution of the atmosphere, 24:9797 (CONF-690303-, pp 125-32)
HOLLAND, L. Absolute measurements on thermal neutron fluxes produced in water by (d,d) and (d,t) reactions with 150 keV deuterons, 25:50608 (CONF-710402-(Vol.2), pp I.154-9)
Influence of the pre-exhaustion cycle on the residual atmosphere of a getter-ion pumped system, 22:16849
Operation of a glow discharge ion gun used for specimen thinning, 25:36639
Review of some recent vacuum studies, 24:39204
Scattering effects in ion beam exposure of photoresist polymer films, 23:24252
HOLLAND, L. B. Operational experiences with fast burst reactors, 24:11243 (CONF-690102-, pp 303-12)
Operational problems with the health physics research reactor, 21:15772
Power distributions in tower shielding reactor II, 21:35723 (ORNL-TM-1821)
Tower Shielding Reactor II design and operation report: Vol. 2. safety analysis, 24:52963 (ORNL-TM-2893(Vol.2))

Tower Shielding Reactor II design and operation report: Vol. 1 description, 25:20789 (ORNL-TM-2893(Vol.1)(Rev.))
Tower shielding rector II design and operation report. Vol. 1. description, 24:52962 (ORNL-TM-2893(Vol.1))
TSR-II control mechanism development and operational experience, 21:35748
TSR-II heat transfer, 21:42816 (ORNL-TM-1779)
HOLLAND, L. K. Control, management, and automation of the boiling water reactor, 24:24689
Design basis for the protection system and the actuator systems of nuclear-fueled generating stations, 24:46059
Nuclear boiler dynamic analysis and testing, 21:38539
Protection system and the actuator systems of nuclear-fueled generating stations, 24:33282
HOLLAND, L. M. Effects of dose protraction on hematopoiesis in the primate and dog, 25:46970 (LA-DC-12600)
Exposure of subhuman primates to low dose-rate gamma irradiation. II, 22:49474 (CONF-680410-, pp 10.1-11)
Kinetics of injury and repair in monkeys and dogs exposed to γ-ray fractionation, 23:38791
Skin response to fissioned ^{235}U-carbide, 24:44597
HOLLAND, Lester M. Jr. Elementary discussion of time share concept, 22:6196 (COO-1469-0024)
HOLLAND, M. M. Design of secondary beam channels for Nevis synchrocyclotron conversion program, 25:50469
Neutrons from radiative pion absorption on ^{16}O and ^{28}Si nuclei, 24:52447
Radiative pion absorption on ^{16}O and ^{28}Si nuclei, 24:38129
HOLLAND, M. W. Binding energies and lifetimes of lighter hyperfragments, 21:44552
Nonmesonic decay of helium hyperfragments, 22:18112
Nonmesonic decay of hydrogen hyperfragments, 23:25780
HOLLAND, Michael Myers Neutron energy spectra following radiative pion absorption on ^{16}O and ^{28}Si nuclei, 25:31216
HOLLAND, P. Effects of x irradiation on various enzymic functions of NADP$^+$-linked isocitrate dehydrogenase, 25:42299
HOLLAND, P. K. Initiation of boiling in superheated liquid sodium, 24:36484 (RD/B/N-1585)
Radial distribution of bubbles in sodium flowing through heated channels, 24:39133 (RD/B/N-1630)
HOLLAND, P. T. Radiolysis of ethane. I, 24:22676
Radiolysis of ethane. II, 25:10632
Radiolysis of liquid hydrocarbons containing deuterium sulfide, 25:13048
Radiolysis of liquid saturated hydrocarbons, 24:7461
HOLLAND, Paul V. Autoimmune hemolytic anemia, acute leukemia, and carcinoma of lung, 22:49589
HOLLAND, R. E. Coulomb excitation of low-lying excited states in ^{45}Sc, 21:38286
Effects seen in the passage of positively charged ions through single crystals, 22:44273
Electric-quadrupole isomers in ^{90}Nb and ^{93}Tc, 25:39046
Energy levels in ^{33}P, 23:49358
Lifetimes of excited states of ^{51}V, ^{61}Ni, ^{69}Ga, ^{75}As, ^{79}Br, ^{85}Rb, and ^{123}Sb, 24:6879
Radiative decay of d/sub $^3/_2$/-hole states, 24:52529
Reaction ^{28}Si(α,α'γ)^{28}Si, 24:52483
Reactions ^{27}Al(^{3}He,p)^{29}Si and ^{27}Al(^{3}He,pγ)^{29}Si, 24:15857
HOLLAND, R. F. Coherent Q-meson production in K$^+$d interactions at 9 GeV/c, 24:45423 (COO-1428-226)
Emission from long-lived states in ion beams. New band systems of NO+, 25:22369
Evidence for splitting in Q region of K$^+$π$^+$π$^-$ mass, 25:36414
Evidence for splitting in the Q region of K$^+$π$^+$π$^-$ mass, 25:33550 (COO-1428-270)
Evidence for splitting in the Q region of K$^+$π$^+$π$^-$ mass, 25:43544 (COO-1428-275)
Excitation of N by electrons: Lyman—Birge—Hopfield system of N$_2$, 24:3176
K(498)^0, K*(890)^0, and K**(1420)^0 production in K$^+$n interactions at 9.0 GeV/c, 24:45425 (COO-1428-229)
New evidence for splitting in the Q region of K$^+$π$^+$π$^-$ mass, 25:43543 (COO-1428-274)
HOLLAND, R. W. Attachment region of hemispherical shells with attached nozzles. II, 22:273 (TID-24103)
Planning a medical unit for handling contaminated persons following a radiation accident, 23:9110
Spherical shells with a single radially attached nozzle, 21:34420
HOLLAND, Redus F. Cross sections for electron excitation of 3914-A (0,0) band of N$_2^+$ first negative system, 22:11194 (LA-3783)
Fluorescence efficiencies of nitrogen excited by 1- to 5-MeV positive ions, 24:15146 (LA-4314)
Fluorescence efficiencies of nitrogen excited by 1- to 5-MeV positive ions, 25:9234
Production of light by collisions of 2.5- to 490-eV He$^+$ with N$_2$, 25:52665
HOLLAND, Richard Compilation of conversion formulas interrelating linear elastic and electroelastic equations of state, 24:50301 (SC-RR-67-157)
Sinusoidal steady-state characteristics of multielectroded piezoelectric devices, 21:27859 (SC-DC-67-1731)
HOLLAND, Susan Effect of isotopic substitution on decomposition flame of hydrazine, 24:36213
HOLLAND, W. D. Particle size distribution in clouds from nuclear airbursts, 25:13138
Particles impacted on Cu plates from ablation of six ^{238}PuO$_2$ fuel particles under conditions simulating atmospheric re-entry, 23:16041 (SC-CR-68-3470)
Radiochemical analyses of ^{238}PuO$_2$ collected on impactors M-15, M-37, M-22, and M-32, 23:2091 (SC-CR-68-3673)
HOLLAND, W. J. 3-thianaphthenoyltrifluoroacetone for spectrophotometric determination of cerium(IV), 24:29193
HOLLAND, Walter D. Prog. rpt. on ^{238}Pu debris particles from SNAP-9A satellite failure, 1964, 22:35943 (TLW-3803-1)
Prog. rpt. on analysis of high-altitude samples from Chinese nuclear test, 12/68, 23:13873 (TLW-6030)
Prog. rpt. on SNAP-9A particle studies, 10/65—1/66, 21:30637 (TLW-3547-1)
Prog. rpt. on SNAP-9A particle studies, 4—7/66, 21:30639 (TLW-3547-3)
Prog. rpt. on SNAP-9A particle studies, 1—4/66, 21:30638 (TLW-3547-2)
Prog. rpt. on SNAP-9A particle studies, 7—10/66, 21:30640 (TLW-3547-4)
HOLLANDER, C. F. Pathology of the late syndrome in mice lethally irradiated and treated with isologous bone marrow transplantation, 25:42665
HOLLANDER, Charles S. Radiommunoassay of triiodothyronine in unextracted human serum, 25:55146
HOLLANDER, J. M. Chemical information from photoelectron and conversion-electron spectroscopy, 25:19473
Computer-based system for nuclear data compilation "Table of Isotopes", 23:7892 (UCRL-18530)
Critical focusing conditions of $\pi\sqrt{2}$ magnetic field at high resolution, 21:32412
Decays of ^{176}Ta, ^{176}Lu, and /sup 176m/Lu to levels in ^{176}Hf, 25:31375
Design of a magnetic spectrometer, 24:2480
Direct voltage calibration of an electron spectrometer, 23:16208
Electric field splitting of core p/sub 3/2/ levels in heavy atoms, 22:52541
Energy levels of ^{210}Po populated by the decay of ^{210}At, 22:20618
Energy levels of ^{90}Nb populated by decay of ^{90}Mo, 22:20589
Experimental values of internal-conversion coefficients of nuclear transitions: total and K-shell coefficients and L-subshell coefficient ratios, 21:10045
In-beam gamma-ray spectroscopy of even Mo and Ru isotopes, 25:46050
In-beam gamma-ray spectroscopy of odd-neutron Mo and Ru isotopes, 25:46051
Levels in ^{92}Mo and ^{94}Ru, 23:37262
New transitions and precise energy and intensity determinations in the decay of /sup 177m/Lu, 21:12058
Time analysis of reaction γ rays and electromagnetic properties of ^{210}Po levels, 22:27166
HOLLANDER, Jack M. Photoelectron spectroscopy: a chemical tool from nuclear spectroscopy, 24:7401 (UCRL-18972)
Table of isotopes, 21:44657
HOLLANDER, Mark B. Ultrasoft x rays. an historical and critical review of the world experience with grenz rays and other x rays of long wavelength, 23:16373
HOLLANDER, Peter Electrical properties of electron irradiated germanium, 21:45968 (AD-632539)
HOLLANDER, W. Greaseless multipurpose extraction device, 24:36542
HOLLANDSKII, O. P. Sound velocities in hot supergiant atmospheres, 21:1993
HOLLANDSWORTH, C. E. High resolution zero-crossing detector for long crossover times, 21:36371
Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:31235
Polarization of neutrons from the ^{7}Li(p,n)^{7}Be* (432 keV) reaction, 21:21430
Wide-range pulse-shape discrimination system, 22:12577
HOLLANDT, H. Chemical dosimetry of soft x-radiation with ferrous—ferric systems, 24:36628
HOLLANDT, Heinrich Radiation warning device, 24:2456
HOLLAR, D. L. Percussive-arc versus pulse-arc welding, 25:44231 (BDX-613-395)
Prog. rpt. on aluminum pulse-arc welding, final, 3/71, 25:34443 (BDX-613-321)
Prog. rpt. on aluminum pulse-arc welding, 3/71, 25:37167 (BDX-613-320)
HOLLAR, E. L. Composite film metallizing for ceramics, 23:12395 (SC-TM-68-287)
Composite film metallizing for ceramics, 25:2652
Manganese glass-molybdenum metallizing ceramics, 22:38616
HOLLARD, D. Cellular ultrastructure and mitotic index of lymphocytes of leukemia during treatment by irradiation, 25:58131 (CEA-CONF-1768)
Evolution of two chronic lymphoid leukemias in relapse after irradiation outside the body, 24:39581 (CEA-CONF-1450)
Irradiation in extracorporeal circulation, 23:43867
HOLLARD, Daniel Biological protection for irradiation of a fluid, 24:25188
Determination of iron absorption and excretion by whole-body counting, 23:50269 (CEA-R-3542)
Extracorporeal irradiation of calves blood, 24:2773 (CEA-R-3864)
Radiation effects on transformation of fibrinogen to fibrin, 23:9829 (CEA-R-3539)
HOLLAS, C. L. ^{86}Kr(d,n)^{87}Rb/sup A/ threshold cusp and the systematic appearance of charge-exchange cusps, 25:56719
Anomalies in cross sections of (d,n) reactions leading to isobaric analog states, 25:15050
Core coupled resonances in the ^{86}Kr plus p reaction, 24:43294
Isobaric analog resonances in proton elastic scattering from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 24:38246
Isobaric analog resonances in proton scattering from ^{86}Kr, 25:28242
Isobaric analog resonances in proton elastic scattering from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 25:28370
Isobaric analog resonances in proton elastic and inelastic scattering from ^{130}Te, 25:28427
Neutron particle-hole states in ^{130}Te, 25:28369
Reaction ^{36}Ar(d,p)^{37}Ar, 25:43868
Reaction ^{86}Kr(d,p)^{87}Kr, 24:49831
HOLLDORF, M. Results of ^{75}Se-selenite tumor scintigraphy, 25:49246
HOLLE, J. Peritoneal thorotrastosis, 24:32250
HOLLECK, G. L. Exchange between aqueous solutions and deuterium on Pd, 23:17437
Mechanism for the isotopic exchange between deuterium and acidic solutions on palladium surfaces, 21:40846
HOLLECK, H. Alloying behavior of HfB$_2$ with U and transition metal borides, 21:6890
Behavior of fission product Mo, Tc, Ru, Rh, and Pd in a carbide fuel element and structure of the system Mo—Ru—C, 25:13764 (KFK-1260)
Behavior of fission products Mo, Tc, Ru, Rh, and Pd in a carbide fuel element and structure of the system Mo—Ru—C, 25:40103 (EURFNR-851)
Investigation of high-melting systems, 24:23522 (UCRL-Trans-10448)
Investigations on the formation of nonmetal-stabilized zirconium-rich transition metal phases, 21:33002
Mixed crystal formation in quasibinary systems of UN and mononitrides of TiN, ZrN, and HfN, 22:31487 (KFK-721)
Mixed crystal formation in quasibinary systems of UN and the mononitrides of group IV A TiN, ZrN, and HfN, 22:43664
Mixed crystal formation of UN with nitrides of rare earths CeN and NdN, 23:1028
Mixed-phase formation of mononitride in system U—(Y, La, Pr)—N, 23:46141
Phase diagram and thermodynamics of system U—Ru—C, 24:25802
Production of high-melting uranium-containing mixed nitride phases, 24:4838
Stochiometric shift in an oxide fuel element at high burnup, 25:8137 (KFK-1181)
Stoichiometry shift in an oxide fuel element at high burnup, 25:28690 (EURFNR-836)
Ternary carbides in the system U—M—C, 23:8330
Ternary thorium—ruthenium carbide, 25:55640
Ternary U—Ce—Zr oxides, nitrides, and carbides, 22:31510
Ternary uranium—transition metal nitrides, 24:3023 (KFK-1011)
Thermodynamics of multi-component systems containing UC and PuC, 23:36265
U—Ce—Zr ternary oxides, nitrides and carbides, 22:21700 (EURFNR-387)
HOLLECZEK, P. Static quadrupole moment of first excited 2$^+$ state of ^{152}Sm and ^{166}Er by Coulomb excitation with ^{16}O-ions, 24:49814
HOLLEMAN, Dan F. Analysis of atmospheric concentrations of RaA, RaB, and RaC by alpha spectroscopy, 23:28742
Radiation dosimetry for the respiratory tract of uranium miners, 23:29498 (COO-1500-12)
Total respiratory deposition of radon daughters from inhalation of uranium mine atmospheres, 23:48032
HOLLEMAN, Dan Foy Radiation dosimetry for the respiratory tract of uranium miners, 24:7840
HOLLEMAN, Gerald W. Induced rotation—translation spectra of solutions of H$_2$, HD, and D$_2$ in liquid Ar, 21:35952
HOLLEMANS, H. J. G. Radioimmunoassay of angiotensin, 22:30997
HOLLEN, M. J. Comparative evaluation of size a metal anode ignitrons, 21:22068 (LA-DC-8088)
HOLLENBACH, David Surface recombination of hydrogen molecules, 25:9087
HOLLENBACH, David J. Molecular H in H I regions, 25:9088
HOLLENBACH, David John Physical adsorption and molecular hydrogen densities of interstellar clouds, 24:35125
HOLLENBACH, R. E. Photomultiplier detectors for laser interferometry, 21:19992 (SC-DR-66-2689)
HOLLER, James R. Response of soil, root, and litter microfungal populations to radiation, 25:21948 (TID-24270, pp F.35-9)
HOLLER, James Riley Effects of irradiation on soil, root, and litter microfungal populations, 23:41274
HOLLEVILLE, P. Selection of radioprotecting substances by systematic screening, application to the product C$_{511}$ HF, 25:52117
HOLLEVILLE, Patrick Weight changes in spleen as a function of irradiation dose in mice, 25:13478
HOLLEY, C. E. Jr. Actinide carbides: a review of thermodynamic properties, 22:31471
Enthalpy of formation of uranium tetrachloride, 25:26263
Thermodynamic properties of plutonium oxides, 21:8236 (LA-DC-8266)
HOLLEY, Charles E. Jr. Actinide carbides: review of thermodynamic properties, 21:39683 (LA-DC-8881)
Enthalpies of formation of cerium dioxide, cerium sesquicarbide, and cerium dicarbide, 25:29961
Enthalpies of formation of thorium mono- and dicarbides, 22:31453
Enthalpies of formation of triuranium octaoxide and uranium dioxide, 23:34061
Enthalpies of formation of triuranium octaoxide and uranium dioxide, 24:9293
Enthalpies of solution and formation of some uranium oxides, 21:14196
Enthalpies of solution and of formation of several terbium oxides, 23:13703
Enthalpies, entropies, and Gibbs energies of formation of rare earth oxides, 22:42658
Enthalpy of formation of cerium sesquioxide, 22:47695
Enthalpy of formation of europium monoxide, 24:14903
Enthalpy of formation of hafnium dioxide, 22:31452
Enthalpy of formation of neptunium dioxide, 23:1047
Enthalpy of formation of neptunium monocarbide, 25:45114 (LA-DC-12331)
Enthalpy of formation of uranium sesquicarbide, 24:17347
Enthalpy of formation of zirconium carbide, 25:754

- Relative stabilities of B and C forms of Sm_2O_3, Eu_2O_3, and Gd_2O_3, 25:743 (CONF-700403-(Vol.1), pp 224-33)
- HOLLEY, M. J. Jr. Provision of required seismic resistance, 24:24864
- HOLLEY, Myle J. Jr. Recommended provisions for resistance to tangential shear forces associated with earthquake loading, 22:20806 (DOCKET-50309-5)
- HOLLEY, W. L. Charge exchange in ion sources, 22:2466
  - Methods of assessing lung dose from inhaled $^{238}PuO_2$, 21:30809 (SC-DC-67-1854)
- HOLLEY, W. R. Elastic K^-p scattering from 700 to 1400 MeV/c, 21:18922
  - Polarization of Σ^- in $\pi^- + p \rightarrow \Sigma^- + K^+$ at 1130 MeV/c, 23:18814
  - Scattering of K^- mesons from a polarized proton target, 24:3531
  - Scattering of π^- mesons from polarized proton target, 24:3532
- HOLLEY, William R. Bevatron program, 25:53430 (UCRL-20655, pp 59-71)
- HOLLICK, R. C. Skinner valve leak tests, 24:39104 (DP-Report-106)
  - Thermocouple connector life test. I, 24:39385 (DP-Report-232)
- HOLLIDAY, B. Personnel dose assessments following accidental non-uniform irradiation of the body, 23:12059 (AHSB(RP)R-85)
  - Radiological protection of workers exposed to airborne plutonium particulate, 24:44519
  - Radiological protection of workers handling transuranium elements, 25:37821 (EUR-4612, pp 483-514)
- HOLLIDAY, Dennis Elementary introduction to isotope separation, 21:141 (AD-635643)
- HOLLIDAY, J. Fuel materials for DRAGON reactor, 24:44782 (DP-Report-326)
  - Quality control, inspection, and testing of fuel materials for first charge of Dragon reactor experiment, 24:40998 (DP-Report-327)
  - Quality control, inspection, and testing of fuel materials for the two uprated fuel elements, 25:18610 (DP-Report-580)
  - Quality control, inspection, and testing of Series I metallurgical fuels for first charge of Dragon reactor, 25:26438 (DP-Report-432)
  - Safety of operations in Dragon Fuel Element Laboratory during 1965, 25:24620 (DP-Report-441)
  - Summary of results obtained in quality control, inspection, and testing of fuel materials for first charge of Dragon Reactor experiment, 24:40999 (DP-Report-328)
  - Weld cracking in stainless steel valves, 24:42094 (DP-Report-287)
- HOLLIDAY, J. B. Electricity from nuclear-fired gas turbines, 21:10163
  - Turbomachinery, 21:34094 (EUR-2757.e, pp 229-)
- HOLLIDAY, J. H. Arc initiation at metal surfaces in H Penning discharge, 21:9604
- HOLLIDAY, John Bertram Power plants, 25:60141
- HOLLIDAY, M. G. Investigation of backscattering in D^+—H_2 reaction system, 25:30291
  - Isotopic studies of the proton—hydrogen molecule reaction, 25:15596
- HOLLIDAY, Malcolm A. Single injection clearance in children, 24:25512
- HOLLIDAY, R. Components of the genetic repair mechanism are not confined to the nucleus, 23:31704
- HOLLIDAY, R. J. Nuclear magnetic resonance in polarized nuclei, 21:2330
  - Nuclear orientation studies of local moments in noble metal hosts, 25:3942 (COO-1569-67)
- HOLLIDAY, Robin Genetic recombination in fungi, 23:16277
  - Genetic repair and synthesis of nitrate reductase in U. maydis after uv irradiation, 25:57955
  - Radiation-induced allelic recombination in Ustilago, 25:49166
- HOLLIDAY, Rondel James Polarization of indium nuclei in ferromagnets and nuclear magnetic resonance of polarized cobalt in iron, 21:31780 (UCRL-17536)
- HOLLIEN, Harry Radiation dosage in laminagraphy, 23:50532
- HOLLINDEN, Gerald A. ESR study of kinetic isotope effect in reaction of H and D atoms with CH_4, 24:27081
- HOLLINGER, H. B. Effect of radiation escape on atomic state densities and electron distribution function, 25:14316
  - Lorentz model and time-dependent diffusion, 23:39490
- HOLLINGER, J. P. Absence of pulsar characteristics in x-ray sources, 23:12473
  - Effect of mass on frequency during a close approach of pulsar CP 0950 to the sun, 23:6825
  - Linear polarization observations at 3.6-cm wavelength, 22:17233
  - Linear polarization of radio sources at 2.07-centimeter wavelength, 23:5133
  - Measurements of pulsar arrival times, 25:7002
  - Polarized brightness distribution over Cassiopeia A, Crab Nebula, and Cygnus A at 1.55-cm wavelength, 22:13161
  - Search for 21-centimeter radiation near cosmic x-ray sources, 21:14933
  - Supernova remnant W-44, 21:5047
  - Variability of linear polarization of 3C 120 and 3C 279, 23:5142
- HOLLINGHURST, Ralph Radiation resistant fluids, 21:36056
  - Radiation-resistant fluids, 22:11108
- HOLLINGSWORTH, D. F. Composition of human diet, 21:43405
- HOLLINGSWORTH, Dorothy R. Aging in Hiroshima subjects, 24:21266
  - Neuro-muscular tests of aging in Hiroshima subjects, 25:27053
- HOLLINGSWORTH, E. Flatpack reflow soldering, 24:47994 (BDX-613-141)
- HOLLINGSWORTH, H. M. Critique of the hydrogenic approximation in the calculation of stellar opacity, 23:3196
- HOLLINGSWORTH, J. William Aging in Hiroshima subjects, 24:21266
  - Neuro-muscular tests of aging in Hiroshima subjects, 25:27053
- HOLLINS, J. G. Metabolism of tellurium in rats, 23:45631
  - Radiation dosimetry of internal contamination by Co, 25:46708
- HOLLIS, D. L. Bremsstrahlung shielding from electron trapping in dielectrics, 25:40731
  - Electron bremsstrahlung shielding at synchronous altitude by electron trapping in dielectrics, 24:28395 (N-70-15058)
- HOLLIS, Daniel Lester Jr. Hydromagnetic wave propagation in a magnetically confined plasma, 22:5375
- HOLLIS, J. C. Weapons Effects Display System: Maintenance Manual. Pt. 5, 25:2505 (UCRL-50892(Vol.4)(Pt.5))
- HOLLIS, J. M. Balmer-line variability of beta Carinae, 25:38075
- HOLLIS, M. J. Lattice-directed trajectories of negatively charged particles, 23:12975
- HOLLIS, Mary Lynn Optical spectra and reactivity of organic free radicals formed by reaction of hydroxyl free radical with pyrimidine bases, 23:33207 (UCLA-12-728)
  - Pulse radiolysis of DNA, 23:47527
  - Pulse radiolysis of nucleic acid constituents and related compounds. III. Optical spectra and reactivity of organic free radicals formed by reaction of hydroxyl free radicals with pyrimidine bases, 24:31352
  - Pulse radiolysis of nucleic acid constituents and related compounds. II. Resolution of a rapidly decaying transient absorption in cytosine solutions, 24:31354
- HOLLISTER, D. D. Electrodeless arc in high-pressure air, 22:52823
- HOLLISTER, H. RBE, LET, z, v: some further thoughts, 23:38575
- HOLLISTER, Hal Problems in estimating biological and environmental consequences of nuclear war-II, 21:39407 (TID-23942)
  - Relationship of collision theory to the interpretation of relative biological effectiveness, 22:12845 (ORNL-4215)
  - Soil contamination with radionuclides, 23:22300
- HOLLISTER, Herb Recent results and applications using a flash neutron generator, 22:39564
- HOLLISTER, Herbert Fast neutron beam radiotherapy, 21:24479
  - Potentialities for fast neutron beam cancer radiotherapy, 23:48170
- HOLLISTER, Nancy Argonne Code Center: compilation of program abstracts, 22:35660 (ANL-7411)
- HOLLMAN, S. Diffusion from ground level point source experiment with dosimeters and ^{41}K, 23:29006 (AE-353)
- HOLLNAGEL, R. Fortran program: Stabfall, 24:18762 (FMRB-5/69)
  - Reactivity measurement in reactor cores on MTR fuel elements with a one-sided heavy water reflector, 25:12818 (FMRB-34/70)
- HOLLO, L. Characterization of the pulsation activity of the geomagnetic field for individual days and its application, 22:36827
- HOLLO, Lajos New investigations regarding variations in the earth's electromagnetic field and sun-physics data, recurring at 27-day intervals, 22:24149
  - Studies of π-2 type variations of electromagnetic field at mean latitudes, 23:30435
- HOLLO, Tamas Irradiation nephritis, 25:601
- HOLLOCHER, Thomas C. Mechanism of hydrogen exchange between succinate and water catalyzed by soluble succinic dehydrogenase of Singer from bovine heart, 22:35789
  - Oxidation of succinate catalyzed by succinic dehydrogenase, 24:16544
  - Properties of H exchange reaction catalyzed by the soluble succinic dehydrogenase of Singer from bovine heart, 22:35788
- HOLLOM, S. E. Deoxyribonucleic acid transferred from ultraviolet-irradiated excision-defective Hfr cells of Escherichia coli K-12, 25:52001
- HOLLOMAN, Lynn Electronic absorption spectrum of the trapped electron in crystalline acetonitrile-d_3, 24:13884
- HOLLOMAN, S. B. Range-energy calculations of heavy ions in Si, 25:59116
- HOLLOS, G. Energy determination of accelerated electron beams, 24:26560
- HOLLOWAY, A. F. Energy-loss spectra for high-energy electrons, 23:25742
  - Physical problems of ^{60}Co therapy using a hyperbaric oxygen tank, 23:41327
- HOLLOWAY, Arthur F. Lithium fluoride thermoluminescent dosimeter, 22:51256
- HOLLOWAY, B. W. Genetics of Pseudomonas, 24:672
  - Lysogeny and bacterial recombination, 23:16278
- HOLLOWAY, C. James Jr. AEC licensing of the export of radioactive materials and facilities, 25:48811 (CONF-710801-(Vol.1), pp 98-105)
  - Insurance and indemnity protection for nuclear materials in transport, 25:48837 (CONF-710801-(Vol.2), pp 503-15)
- HOLLOWAY, D. F. Characteristic x-ray generation by heavy-particle irradiation of copper, 24:42525
  - Measurement of implanted-boron concentration profiles in silicon, 25:19803
  - New end-window variable geometry x-ray proportional counter, 25:8510
  - New proportional counter anode unit, 25:44598
  - Range calculations of 10 to 200-keV heavy ions in materials, 24:39665 (AERE-R-5546)
  - Selective x-ray generation by heavy ions. II, 25:33413
  - Selectivity of x-ray detection by a variable geometry proportional counter, 23:50151
- HOLLOWAY, H. Faulting in indium phosphide grown on germanium, 24:3033
- HOLLOWAY, I. Use of the cyclotron for whole body neutron activation analysis, 25:15550
- HOLLOWAY, J. A. Low-voltage and neutron-radiographic techniques for evaluating boron-filament metal-matrix composites, 22:4374
- HOLLOWAY, J. H. Photoionization mass spectrometric study of F_2, HF, and DF, 25:51442
  - Power reactor high performance UO_2 program analysis of fission product release related to centermelt fuel failures, 23:49513 (GEAP-10039)
  - Radioactive tracers test nuclear steam turbines easier, better, 25:13148
  - Tracer tests for nuclear power plant steam turbines, 25:18097
- HOLLOWAY, John H. Raman spectra of MoF_6, TcF_6, ReF_6, UF_6, SF_6, SeF_6, and TeF_6, 24:38878
  - Reactions of technetium hexafluoride with nitric oxide, nitrosyl fluoride, and nitryl fluoride, 22:16419
- HOLLOWAY, Joseph H. Atomic beam apparatus, 22:48399
  - Atomic beam resonant device with a cavity resonator having two arms and a leg portion containing lossy material, 22:4553
- HOLLOWAY, L. Further results on $\pi^-p \rightarrow K^0Y^0$ in forward direction at 6, 8, and 11.2 GeV/c, 22:39277 (CERN-68-7(Vol.2), pp 190-207)
  - Live-target spark chamber trigger for the study of coherent interactions, 23:7797
  - $Pi^-p \rightarrow K^0 + \Lambda^0(\Sigma^0)$ associated production between 6 and 11.2 GeV/c, 23:23374
- HOLLOWAY, Leland E. Measurement of polarization in π^-p elastic scattering from 229 to 390 MeV, 22:22319
  - Measurement of the spin-correlation parameter C/sub NN/ in proton—proton scattering at 680 MeV, 21:15260
  - Polarization in pion-proton scattering from 670 to 3750 Mev/c, 21:880
- HOLLOWAY, P. D. Thermal analysis system for radioactive materials, 25:51938
- HOLLOWAY, R. J. Recovery from radiation injury in the hamster as evaluated by the split-dose technique, 22:25995
- HOLLOWAY, Ronald M. Polymorphous light eruption, 22:19446
- HOLLOWAY, Roy J. Methods for studying time course of cell division in clones from leukemia cells, 23:16221 (AD-668164)
  - Recovery from radiation injury in hamster, 21:20329 (USNRDL-TR-1111)
- HOLLOWELL, Craig D. Molecular-beam electric-resonance spectra of LiF, NaF, and KCl, 21:15882 (UCRL-17019)
- HOLLOWELL, Joseph G. Jr. Chromosomal aberrations induced by plasma from irradiated patients, 24:7811
  - Chromosome aberrations induced by plasma from irradiated patients, 23:7992
  - Chromosome damage induced by plasma of x-rayed patients, 23:2970
- HOLLOWS, J. D. Energy-loss spectrum of extensive air showers recorded by Haverah Park 500 m array, 23:46595
- HOLLOX, G. E. Bonding, structure, and mechanical behavior of VC single crystals, 23:6749
  - Carbides as high-temperature structural materials, 24:8191
  - Mechanical properties of TiC—VC alloys, 25:35558
  - Microstructure and mechanical properties of pure and boron-doped $VC_{0.85}$, 23:34104
  - Slip systems in VC—TiC alloys, 25:29999
- HOLLOX, Graham E. Microstructure and mechanical behavior of carbides, 22:49826
- HOLLSTEIN, Harald Trachea and bronchi following betatron irradiation, 23:16422
- HOLLSTEIN, M. Alkali metal atomic beams for energy range between 6 and 4000 eV, 21:3663
  - De-excitation of He 2^1S and 2^3S atoms in fast collisions with normal He atoms, 24:3187
  - Decay of ^{237}Np, 25:20382
  - Measurement of velocity dependence of total cross sections for atom—atom collisions in energy region between 6 and 1000 eV, 21:20771
  - Optical radiation produced by 1100-eV He^+, He^*, and He^0 in various gases, 24:45028
  - Production and demonstration of alkali atom rays in energy range between 6 and 4000 eV, 24:26873 (SC-T-70-4016)
  - Ranges of fragments in the fission of ^{239}Pu by thermal neutrons, 21:1112
  - Response characteristics of high-resolution Si(Li) photon spectrometer, 24:33877
  - Solid-state detectors for determination of Sn and Mo in alloys by γ-excited x-ray fluorescence, 25:46425
- HOLLSTEIN, Martin G. Analysis for elements by x-ray fluorescence, 22:1960 (ORNL-IIC-10(Vol.1), pp 483-502)
- HOLLWEG, J. V. Prog. rpt. on study of ionic and neutral species in thermal plasmas, final, 8/64—9/67, 22:34324 (AD-662636)
  - Solar coronal effects on pulsar signals, 23:3215
  - Two new plasma instabilities in the solar wind, 24:15080
- HOLLWEG, Joseph V. Angular broadening of radio sources by solar wind turbulence, 24:39768
  - Collisionless solar wind. I, 24:25911
  - Density fluctuations driven by Alfven waves, 25:47390
  - Fluctuations in times of arrival of pulsar pulses, 24:46919
  - Interaction of solar wind with moon, 23:5305
  - Interplanetary scintillations and the structure of solar-wind fluctuations, 24:27972
  - Lunar conducting islands and formation of limb shock wave, 24:17805
  - New plasma instabilities in the solar wind, 24:51527

Occulting disk of the Sun at radio wavelengths, 23:14533
Properties of solar wind turbulence, 23:5175
Scattering of radio waves by solar corona, 23:30261
Stochastic heating of protons by fast hydromagnetic wave, 23:30418
HOLLWEG, S. Autoradiographic investigation of diurnal fluctuations, 23:2747 (UCRL-Trans-10211)
HOLLY, D. E. Hydrologic redistribution of radionuclides around nuclear excavated sea-level canals in Panama and Colombia, 23:11632 (BMI-171-16)
HOLLY, F. Prog. rpt. on thermionic research, 3—6/68, 23:20738 (N-68-31492)
HOLLY, F. E. Radiation protection calculations for manned space flight, 23:14167
Tissue-equivalent absorbed dose and depth-dose distributions produced by radiations in space, 23:14166
HOLLY, Francis Eugene DNA distributions in populations of proliferating lymphocytes, 25:39928
HOLLY, S. Kinetics of radical polymerization. XXII, 22:25353
HOLM, Albert Victor Life spans of condensations in planetary nebulae, 25:55702
HOLM, D. Determination of oxygen in germanium by ^{3}He activation, 22:3999 (LA-DC-8866)
HOLM, D. M. Analytical method for unfolding gamma-ray spectra, 23:28321 (LA-4030)
Techniques for two-dimensional gamma-ray scanning of reactor fuel element sections, 24:46448
HOLM, Dale M. Analysis of fuel element sections by two-dimensional gamma scanning, 24:5846
Corrosive liquid flow meter, 22:45378
Detailed analysis of a plutonium-fueled capsule by gamma scanning, 21:36365
Detection of plutonium penetrations through containers at high temperature, 21:19897 (LA-3654)
Determination of oxygen and carbon in germanium by ^{3}He activation, 22:1954 (LA-DC-8994)
Examination of fast reactor fuel elements, 24:404
Interference reduction and sensitivity improvement in activation analysis, 21:23831
Large sodium iodide detector assembly, 22:43027 (LA-DC-9801)
Measurement of C gradient in stainless steel by ^{3}He activation and autoradiography, 23:9296 (LA-4008)
Measurement of surface distribution of C and O by ^{3}He activation and autoradiography, 21:35848 (LA-DC-8784)
Observation of microscopic distribution of O and C in metals by ^{3}He activation, 21:9186 (LA-3515)
Two-dimensional gamma scans of thin fuel-element sections, 23:35009
HOLM, David G. Gene conversion in higher organisms: half-tetrad analysis of recombination within the rosy cistron of Drosophila melanogaster, 25:13426
HOLM, G. Energy levels in single closed shell nucleus ^{87}Rb, 22:13988
Isotope separator on-line studies of gaseous fission products, 22:12418
Isotope separator on-line studies of gaseous fission products, 22:30034
Levels in doubly-even tellurium isotopes, 25:28330 (CERN-70-30(Vol.2), pp 1010-11)
Positive-parity states in ^{77}Br, 22:13989
Predicted control by the genetic code of differences in phenotypic expression of point-mutations, 23:50408 (BNL-13853)
HOLM, G. B. Evidence for high-spin three quasiparticle state in ^{133}I produced in fission, 25:28331 (CERN-70-30(Vol.2), pp 1012-14)
Experimental techniques for nuclear structure studies in the Tin-region at OSIRIS, 25:28107 (CERN-70-30(Vol.2), pp 1003-5)
Isotopes separator on-line studies of short-lived nuclei, 22:20646
Neutron hole states in the tin-region, 25:28329 (CERN-70-30(Vol.2), pp 1008-10)
On-line separation of isotopes, 25:18187
Proton states in the tin-region, 25:28328 (CERN-70-30(Vol.2), pp 1006-7)
Tin-132-region studied by means of OSIRIS facility, 25:28327 (CERN-70-30(Vol.2), pp 1001-3)
HOLM, Goeran Energy levels in single closed shell nucleus ^{137}Cs populated in decay of 4-min ^{137}Xe, 22:48546
HOLM, H. Coulomb distortions in heavy-ion reactions, 24:13415
Coulomb distortions in heavy-ion reactions, 24:49817
Time dependence of Coulomb distortions in heavy-ion reactions, 23:44919
HOLM, Hans H. Ultrasonic scanning in radiotherapy treatment planning, 24:44580
HOLM, Hans I Automatic retrieval of nuclear information using Project Responsa, 22:53507
HOLM, Hans I. Automatic retrieval of nuclear engineering information: RESPONSA project, 22:53503 (ORNL-tr-1995)
Bibliography on radiation-induced polymerization on cellulose and wood, 23:2313 (VDDIT-93(Suppl.1))
HOLM, Hartmut Influence of nuclear forces on Coulomb fission, 25:43970
Influence of nuclear forces on the Coulomb barrier in heavy-ion reactions, 24:18457
HOLM, L. Automatic Van de Graaff voltage conditioner, 25:9930
Simple target biasing system, 24:6790
HOLM, L. W. Determination of electron binding energies in plutonium with photo-electron spectroscopy, 21:32913
HOLM, N. W. Accelerators for radiation chemical processes, 24:7472
Danish experiences with radiation sterilization of medical supplies, 24:22906
Dosimeters for industrial irradiation, 24:14320
Investigation of the oxalic-acid system for high dose rate electron dosimetry, 21:24237
Radiosterilization of medical supplies, 22:52082
Some new aspects on the use of the oxalic acid dosimeter, 23:7875
HOLM, Niels W. Basis of choice of dose for radiation sterilization of disposable equipment, 21:20456 (RISO-140)
Dosimetry in industrial processing, 25:23869
Dosimetry in radiosterilization of medical products, 23:12254 (RISO-185)
Influence of dose rate at large absorbed doses on the oxalic-acid dosimeter, 22:12649 (RISO-112)
Manual on radiation dosimetry, 24:33954
Microbiological control of radiation sterilization of medical supplies. I, 23:29922 (RISO-122)
Microbiological control of radiation sterilization of medical supplies. I, 23:38911
Microbiological control of radiation sterilization of medical supplies. II, 23:48293 (RISO-194)
Multi-purpose irradiation plant and the quality control of radiation sterilization of medical equipment, 25:51668 (A/CONF.49/P-804)
Oxalic acid dosimeter procedure, 23:47851
Oxalic-acid system for ^{60}Co dosimetry, 22:12648 (RISO-111)
Stabilized radiation dosimeters, 22:40470
HOLM, R. Microwave spectrum, structure, and dipole moment of fluorotrichlorosilane, 21:42942
HOLM, R. H. Equilibria, solute structures, and transamination in systems pyridoxamine—pyruvate—Zn(II) and —Al(III), 24:193
HOLM, Robert O. Overvoltage protection circuit for condenser discharge system, 22:12716
HOLM, S. Decay of ^{139}Xe studied with isotope separator on-line techniques, 22:14053
Factors affecting beam intensity and quality in synchrocyclotrons, 25:31159
Intensity estimation for cyclotrons, 23:1733
HOLM, U. High-frequency transitions for polarizing lithium nuclei, 25:49051
Reaction-^{3}H(^{6}Li,^{4}He)^{4}He with polarized Li nuclei, 24:33108
Source for polarized lithium nuclei, 21:13368
HOLM, V. Dose control of suppositories by neutron-activation analysis, 23:49758
HOLM, Warren M. Variable intensity neutron generator comprising intermeshing webs of beryllium foil and radium impregnated gold foil, 23:1773
HOLMA, Bo Lung clearance in rabbits exposed to radioactive bi-disperse polystyrene aerosol, 21:32596
Lung clearance of mono- and di-disperse aerosols, 22:25751
HOLMAAS, O. Wave equations of particles with zero mass, 24:24311
HOLMAN, A. Improved circuit for nuclear magnetic resonance detection, 21:26312
HOLMAN, Halsted Social problems of fallout, 22:51635
HOLMAN, J. L. Intermediate phases in Mg—Ce system between Mg and Mg_3Ce, 21:1905 (BM-RI-6866)
Intermediate phases in the magnesium—cerium system between magnesium and Mg_3Ce, 21:45967
Tungsten—cobalt system, 21:32901 (BM-RI-6956)
HOLMAN, K. L. Plutonium excretion following contaminated burns and prompt DTPA treatments, 21:6544
HOLMAN, Kermit L. Desalination and ion separation of sodium and potassium by bromine redox electrolysis, 25:34691 (LA-4645)
Determination of pyrocarbon thermal conductivity by the burst-reactor technique, 25:39358
High-precision flame photometer method for simultaneous determination of sodium and potassium in dilute electrolytes, 24:33584 (LA-4414)
HOLMAN, L. Regional pulmonary function, 24:29805
HOLMAN, Miloslav Investigation of a hydrogen-free shield for heavy-water power reactors, 25:46306
Source and detector geometry reduction in evaluation of experiments in shielding physics, 24:51773
HOLMAN, William R. CVD tungsten and tungsten—rhenium alloys for structural applications. II, 21:32866 (UCRL-70340(Pt.2))
CVD tungsten and tungsten—rhenium alloys for structural applications. I, 21:34871 (UCRL-70340(Pt.1))
CVD tungsten and tungsten—rhenium alloys for structural applications. III, 24:25655 (UCRL-71668)
CVD W and W—Re alloys for structural applications. I, 22:6962
CVD W and W—Re alloys for structural applications. II, 22:7011
HOLMAN, William S. Development of radioisotope power for artificial heart pumps, 25:39665
HOLMAN III, W. J. General boson states of U/sub n/ x U/sub n/ and Sp_4 x Sp_4, 25:53271
Tensor operators in Sp_4 and SO_5, 24:26466
HOLMAN III, Wayne J. Asymptotic forms of the Fano function, 24:42996
General study of Wigner coefficients of SU(1,1), 22:35030
General study of Wigner coefficients of SU(1,1), 22:39436 (AD-664307)
Representation theory of SO(4,1) and E(3,1), 24:3713
Representation theory of SP(4) and SO(5), 23:51970
HOLMBERG, Adolph Radioactive scleral shells in the treatment of conjunctival tumors, 25:8731
HOLMBERG, B. Chemical fractionation in air-burst debris, 24:339 (FOA-4-4401-28)
Fractioning phenomena in nuclear explosion cloud, 22:35941 (FOA-4-4351-28)
HOLMBERG, E. A. D. Biological action of radioactive P in mice, 24:21294
Biological effect of ^{32}P in mouse, 24:44605
Sterility due to radioactive phosphorus in mice, 24:34661
HOLMBERG, Gary Neutron flux distributions for water reflected spherical cavity system, 21:33859 (NASA-CR-72231)
HOLMBERG, K. E. Isotope separation, 21:19751
HOLMBERG, Karl Erik Phase diagrams of some sodium and potassium salts in light and heavy water, 23:45284
Separation of heavy water in phase equillibria involving pure water or salt-water systems, 23:45382
HOLMBERG, Karl-Erik Separation of uranium and fission product elements by eutectic freezing of uranyl nitrate hexahydrate, 22:45163
HOLMBERG, L. Conversion electron particle parameters of E2 transitions in ^{152}Sm and ^{154}Gd, 25:31380
Dynamic effects in the internal conversion of E1 transitions in ^{175}Lu, 21:23513
Internal conversion of E2 transitions in ^{152}Sm and ^{154}Gd, 21:23499
System for precise determinations of electron—gamma directional correlations, 25:34903
HOLMBERG, M. Cross section (n,2n) of ^{3}H in energy region 4.0 to 6.5 MeV, 23:28234
Cross section (n,2n) of ^{9}Be in energy region 2.0 to 6.4 MeV, 23:28255
Inelastic neutron scattering and fission of ^{232}Th near fission threshold, 23:23680
Prompt anti τ in neutron induced fission of ^{239}Pu and ^{241}Pu, 22:9847 (FOA-4-4318-22)
Prompt anti τ in neutron-induced fission of ^{241}Pu, 21:7813
Prompt anti τ in neutron-induced fission of ^{239}Pu and ^{241}Pu, 22:14029
Prompt anti τ in spontaneous and neutron fission of ^{234}U, 25:59806
HOLMBERG, P. ^{27}Al(p,γ)^{28}Si resonances, 25:59762
Branching ratios for excited states in ^{25}Al, 24:18382
Coincident summing effects in Ge(Li) detectors, 23:638
Decay of ^{63}Zn, 24:18386
Decay of 81 sec ^{59}Cu, 24:18381
Energy determinations of gamma rays and new weak transitions in decay of ^{56}Co, 25:59763
Gamma rays following the decay of ^{65}Ga, 25:1721
Gamma transitions in ^{63}Cu, 21:7731
Gamma—gamma angular correlations in ^{130}Xe, 24:18423
New formula for rotational energies, 22:48619
Nuclear levels and transitions in odd Cu isotopes. I, 25:20314
Nuclear levels and transitions in odd Cu isotopes. II, 25:59764
Proton reactions on ^{23}Na, 25:20325
Resonances in ^{31}P(p,γ)^{32}S, 25:17853
Rotational states in deformed nuclei, 24:47670
HOLMBERG, Peter Evaluation of experimental irradiation fractionation, 23:31760
HOLMBERG, Robert W. ESR study of gamma-irradiated single crystals of $KHCO_2$ at 77°K, 25:57471
ESR study of HCO in single crystals of formic acid at 77°K, 24:2218
Paramagnetic resonance study of NO_2 in irradiated KNO_3 at 4°K, 22:105
HOLMBERG, S. Influence of recirculation on myocardial clearance curves with ^{133}Xe, 25:44860
Interaction between a fully ionized plasma and a neutral gas blanket, 25:11878
Interaction between fully ionized plasma and neutral gas blanket, 25:25113
HOLMBY, Bjoerg X-irradiation of ribonuclease and trypsin, 23:31646
HOLME, T. Chemical composition of mutants of S. typhimurium, 22:51508
HOLMER, A. Interstitial irradiation of the pituitary gland with a ^{90}Sr—^{90}Y applicator, 23:48056
Strontium-90-applicator for interstitial irradiation of hypophysic, 21:26489
HOLMER, Bernt Arne Gustaf Appliance for interstitial radiation of organs in the body, 25:51729
HOLMES, A. Case of accidental inhalation of ^{65}Zn and /sup 110m/Ag, 21:6430
Conference on determination of radionuclides in materials of biological origin, Harwell, 4/67, 22:43301 (AERE-R-5474)
Determination of Fe, Cr, Co, Ni, and Sc in asbestos by neutron activation analysis, 25:37331
Use of radioactive asbestos in studying translocation of fibres injected intrapleurally into rats, 21:30766 (AERE-R-5289)
HOLMES, Barbara M. Comparison of methods to assess geometrical variations of the counting-rate in whole-body monitors, 24:2452 (SRRC-31/69)
Evaluation of ^{57}Co-labelled vitamin B_{12} absorption, 24:2533
HOLMES, C. W. Primary oxidation variation and distribution of uranium and thorium in a lava flow, 21:22058
HOLMES, D. E. Determination of hydrogen atom yields in irradiated ice matrices, 23:35214
ESR signal intensities of trapped hydrogen atoms and some of their reactions in acidic ice matrices, 24:20816
Formation and reactions of hydrogen atoms in gamma-irradiated deoxyribonucleic acid gels, 23:17932
Inherent dosimeter for irradiated foods: papayas, 25:42438
HOLMES, D. K. Radiation effects in solids, 23:41680 (CONF-670846-, pp 208-51)
HOLMES, David Alan Secondary deuterium isotope effects for ionization and solvolysis of trans-α,γ-dimethylallyl p-nitrobenzoate. I and II, 23:4607
HOLMES, Donald Eugene Reactions of H atoms and hydroxyl free radicals with nucleic acids, 21:26385
HOLMES, Douglas E. Inelastic neutron scattering spectra from lanthanum dihydride and lanthanum trihydride, 25:30677
HOLMES, Elbert C. Pericardiectomy for radiation-induced pericarditis with effusion, 24:34424
HOLMES, G. B. Mission B experiment data storage and radiation studies, 22:48983 (N-68-25220)
HOLMES, G. W. On-board signal conditioning for piezoelectric accelerometers, 21:30326 (SC-DC-67-1787)

HOLMES, H. Shock absorbing system for instrument stations located in strong earth motion fields, 21:19526 (SC-TM-67-48)
HOLMES, H. F. Effect of irreversibly adsorbed water on ThO surfaces, 23:17425
  Gravimetric adsorption studies of thorium oxide. III, 22:37741
  Gravimetric adsorption studies of thorium oxide. V. Water adsorption between 25 and 500°, 25:8266
  Heats of immersion in Th oxide—water system. IV, 22:33342
  Heats of immersion in thorium oxide—water system. III, 22:17174
  Infrared studies of thorium oxide surfaces, 23:17398 (ORNL-4378)
  Infrared studies of thorium oxide surfaces: hydroxyl spectra, 25:2207
  Uniform, nonporous thoria, 25:18416
HOLMES, H. L. Chromosome aberration following radiophosphorus treatment of polycythaemia, 25:42713
HOLMES, Harlan T. SEFOR ready soon for fast-breeder experiments, 23:43093
HOLMES, Howard Feasibility of cytogenetic assay in radiophosphorus dose assessment, 25:42399
HOLMES, I. H. Electron-dense marker in the study of pinocytosis in mammalian cells grown in tissue culture, 21:12789
HOLMES, J. Analytical method for determination of Pu, 22:39987 (PG-Report-832)
HOLMES, J. A. Neutron spectrum at the henre accelerator, 24:44292 (CONF-691101-, pp 566-85)
HOLMES, J. A. G. Probability analysis applied to SGHWR, 24:50062
  Thermal and hydraulic design of SGHWRs, 23:13394
HOLMES, J. C. Daytime midlatitude ion composition measurements, 24:6432
  Detection of Lyman-β and He resonance radiation in night sky, 22:34418
  Positive ion composition of temperate-latitude sporadic E layer, 21:18530
HOLMES, J. E. R. Experience with heavy-water-moderated power reactors, 24:18568
  SGHWR system, 23:13390
HOLMES, J. J. Biaxial stress rupture properties of annealed 316 stainless steel after EBR-II irradiation, 25:58297 (HEDL-TME-71-72)
  Burst strength of EBR-II irradiated fuel pin sections, 24:46816
  Burst tests of EBR-II irradiated fuel pin sections, 25:5950
  Creep of thorium during fission, 22:15228
  Creep rupture properties of Type 316 stainless steel after high-temperature irradiation, 25:40078
  Ductility loss in fast reactor irradiated stainless steel, 24:46762
  EBR-II irradiation effect of rupture of Type 316 stainless steel, 25:5948
  EBR-II irradiation effects of rupture of Type-316 stainless steel, 25:19254 (WHAN-SA-2)
  Effect of cold work on irradiation induced swelling, 25:16550 (WHAN-SA-9)
  Effect of cold work on irradiation-induced swelling, 25:4824
  Effect of fast-reactor irradiation on the tensile properties of Type-304 stainless steel, 22:4833
  Effect of irradiation on 304 stainless steel, 23:46098
  Effect of void-interstitial loop interactions on irradiation-produced swelling, 23:36157
  Effects of irradiation on the structure and properties of stainless steel, 23:5084 (BNWL-SA-1876)
  Elevated temperature irradiation hardening in austenitic stainless steel, 22:36519
  Fast reactor induced swelling in austenitic stainless steel, 23:12383
  Fast-reactor-induced swelling by void formation in type-304l stainless steel, 23:4248
  Fission effects in metal fuels, 22:25133 (NAA-SR-12549)
  Interim burst test results on EBR-II irradiated fuel pin sections, 24:30048 (BNWL-1323)
  Irradiation creep by loop unfaulting, 25:4830
  Irradiation produced defects in austenitic stainless steel, 25:19253 (WHAN-FR-16)
  Irradiation-induced swelling in nickel alloys, 23:36159
  Irradiation-produced defects in austenitic stainless steel, 25:45092
  Postirradiation tensile behavior of 300 series stainless steels, 22:34079 (BNWL-SA-1455)
  Postirradiation tensile properties of annealed and cold-worked AISI-304 stainless steel, 22:4834
  Radiation-induced changes in cladding and structural materials, 24:14848
  Review of irradiation-induced void formation in metals, 24:6221
  System for predicting postirradiation tensile properties, 25:4831
HOLMES, J. M. Ammonia costs and electricity, 21:35934
  Cask and waste container cooling studies, 25:57706 (ORNL-TM-3545)
  Concentration and containment of radioactivity from radioactive waste solutions in asphalt, 21:10439
  Consideration of nuclear power expansion for Puerto Rico, including surplus capacity penalties, 25:3798 (ORNL-TM-3142)
  Diffusion membrane studies for separation of noble gases from reactor accident atmospheres, 21:7890 (ORNL-P-2531)
  Engineering development of the pot processes for solidification of radioactive wastes, 21:10574 (CONF-660208-, pp 301-25)
  Pilot plant studies of the decontamination of low-level process waste by a scavenging-precipitation foam separation process, 22:40351 (ORNL-3803)
  Preventing scale formation in evaporators and producing industrial chemicals at nuclear desalination plant, 21:39113 (ORNL-4057)
  Production of ammonia and other chemicals using nuclear desalination reactor complex, 21:38946
  Production of ammonium nitrate fertilizer by using low-cost energy from a nuclear desalination reactor, 22:47002 (ORNL-TM-2202)
  Role of electricity-intensive industries in the economics of nuclear power, 24:28920
  Role of nuclear powered energy centers in developing economies, 25:44175
  Solidification of high level radioactive waste: pot calcination and rising level potglass processes, 21:131 (ORNL-TM-1584)
  Survey of process applications in a desalination complex, 21:1204 (ORNL-TM-1561)
HOLMES, J. T. Hydrogen monitor for detecting leaks in LMFBR, 24:33405
  Hydrogen monitor for detection of leaks in LMFBR steam generators, 25:51111
HOLMES, J. W. Influence of bulk density of the soil on neutron moisture meter calibration, 21:6323
HOLMES, James J. Tensile properties of 25 percent cold-worked and annealed austenitic stainless steels after fast reactor irradiation, 23:3100
HOLMES, John A. High-energy neutron cross section validation and neutron flux spectrum using HENRE source, 23:46977 (AD-686453)
HOLMES, John Arthur Godfrey Improvements in reactors, 25:10200
  Nuclear reactor fuel element assemblies, 22:20890
  Nuclear reactor fuel element assemblies, 22:42514
  Nuclear reactor fuel element assemblies, 23:21581
HOLMES, John M. Energy-intensive and heat-intensive processes for a nuclear energy center, 23:31249 (CONF-680810-, pp 29-43)
  Impact of nuclear energy centers on economy of Puerto Rico, 25:10291 (TID-25630)
HOLMES, John T. Engineering development of fluid-bed fluoride volatility processes. XIII, 23:7586 (ANL-7370)
  Engineering-scale studies of the fluorination of uranium oxide with bromine pentafluoride, 23:6207
  Fluidized-bed disposal of fluorine, 21:45228
  High-temperature, fluidized-bed process for converting uranium dioxide to uranium monocarbide, 23:24136 (ANL-7482)
  Uranium oxide fluorination, 24:16652
HOLMES, Joyce I. N-substituted derivatives of 2-aminoethanethiol and 2-hydrazinoethanethiol, 23:29576
HOLMES, Joyce L. N-substituted S-2-aminoethyl thiosulfates as antiradiation agents, 23:29577
HOLMES, Julian C. Rocket observations of far uv nightglow at Lyman α and shorter wavelengths, 25:40488
HOLMES, K. C. Synchrotron radiation as a source for x-ray diffraction, 25:33933
HOLMES, K. S. Radium therapy of malignant tumors, 22:31182
HOLMES, L. Ferromagnetism in TbF$_3$, 25:47642
  Metamagnetism in Eu$_3$O$_4$, 22:17737
HOLMES, L. S. Experimental study of collisionless shock waves, 25:38422 (CONF-710607-121)
  Measurement of electron temperatures produced by collisionless shock waves in a magnetised plasma, 22:3013
  Measurement of light scattered from density fluctuations within a collisionless shock, 23:44404
  Spectrum of turbulence within collisionless shock, 24:42663
HOLMES, Lawrence B. Conference on energy, Evanston, Ill. 8/67, 22:48702
  Precursors ahead of shock waves. II, 23:32406
HOLMES, Lewis Meredith Magnetic susceptibilities of some rare earth oxides, 21:42909 (AD-649050)
HOLMES, M. J. Gas flow passages in nuclear reactors, 23:13489
  Study of the flow at inlet to gas circulators for nuclear reactors, 23:13490
HOLMES, N. A. Control of flow in reactor fuel channels, 22:7844
  Pressure losses in a gas circulator discharge system for a nuclear reactor, 23:13487
HOLMES, P. H. Pathophysiology of Fasciola hepatica infections, 24:11921
HOLMES, R. A_1^{+0} production in K^+p interactions, 23:34542
  Arc column decay, 22:50185
  Comparison of probe and spectroscopic measurements in an argon plasma jet, 25:33226
  Effects of K-π misidentification upon determination of decay properties of Q, 24:26437 (UR-875-304)
  Production of low-mass $p\pi^+\pi^-$ and anti $p\pi^+\pi^-$ states in reaction anti pp → anti $pp\pi^+\pi^-$ at 3 to 4 GeV/c, 23:30704
  Production of Ξ^- and anti Ξ^+ particles in K^+p collisions at 12.7 GeV/c, 24:45435
HOLMES, R. A. Frequency conversion in the sheath capacitance of a glow discharge plasma, 23:3486
  Harmonic generation using the varactor capabilities of the plasma sheath, 21:15130 (NP-16548)
HOLMES, R. E. Application of the ECCSA-4 and MUCHA computer codes to emergency-core-cooling analyses, 23:37574
  Argon-41 activity discharged from shield cooling air, 23:29141
  Nuclear waste processing plant for Rumania, 24:5851
  Suitability of the advanced gas-cooled reactor for urban siting, 22:18443
HOLMES, R. L. Boilers for nuclear plant, 25:3900
HOLMES, R. S. Quasi two-body reactions and momentum transfer dependences in K^+p interactions at 12.7 GeV/c, 24:37651 (UR-875-313)
HOLMES, Randall K. Genetic analysis of Corynebacterium diphtheriae, 23:43916
HOLMES, Richard A. Cardiac scanning with /sup 99m/Tc-labeled albumin, 21:22504
  Modified vertex view in brain scanning, 21:18105
  Pertechnetate accumulation in the choroid plexus, 24:7923
  Value of the vertex view in brain scanning, 25:35175
  Vertex view in routine brain scanning, 23:33768
HOLMES, Robert H. Possible role of hospital radiology departments in cross infection and antibiotic-resistant bacterial mutagenesis, 24:46628
HOLMES, Robert R. Carrier removal in neutron irradiated silicon, 25:22614
HOLMES, Robert W. Dissolution of protoplasm in dinoflagellates by uv-induced oxidation, 22:31259
HOLMES, W. G. Development of tubular UO$_2$ fuel elements for power reactors, 24:8169 (DP-997)
  Irradiation of tubular UO$_2$ fuel elements in HWCTR, 22:22810 (DP-995)
HOLMES, William F. External beam treatment-planning, 24:21167
HOLMES B. E. Action of atomic hydrogen on ribonuclease in aqueous solution, 21:39332
HOLMES-SIEDLE, A. Subsystem radiation susceptibility analysis for deep-space missions, 23:49600 (N-69-30675)
HOLMES-SIEDLE, A. G. Approach to radiation effects in MOS devices, 22:8429
  Designing MOS systems for radiation environments, 23:41143
  Digital logic for radiation environments, 24:16941
  Ionization and displacement damage in silicon transistors, 21:6386
  Long-term effects of radiation on complementary MOS logic networks, 25:21490
  Physics of failure of MIS devices under radiation, 22:33707
  Prediction of space radiation effects on transistors and solar cells, 21:40121
  Process techniques and radiation effects in metal-insulator semiconductor structures, 22:12738
  Prog. rpt. on action of Li in radiation hardened Si solar cells, 4/23—7/15/68, 23:16215 (N-68-32919)
  Prog. rpt. on action of Li in radiation-hardened Si solar cells, 7/16—10/15/68, 23:26635 (N-69-14919)
  Prog. rpt. on action of Li in radiation-hardened Si solar cells, final, 4/23/68—4/21/69, 24:534 (N-69-33590)
  Prog. rpt. on action of lithium in radiation-hardened silicon solar cells, 10/16/68—1/15/69, 23:29288 (N-69-21150)
  Prog. rpt. on radiation damage in Li-containing solar cells, final, 6/21/66—3/20/68, 23:16217 (N-68-33502)
  Prog. rpt. on recovery from radiation damage in solar cells, annual, 6/21/66—6/20/67, 22:36157 (N-68-17065)
  Radiation effects in planar transistors, 23:17883
  Radiation-induced instability in Si MOS transistors, 21:6392
  Recovery rate and capacitance measurements on irradiated lithium-containing solar cells, 23:17861
  Survey of radiation effects in metal—insulator—semiconductor devices, 21:34559
HOLMES-SIEDLE, Andrew G. Conference on nuclear and space radiation effects, Missoula, Mont., 7/68, 23:17860
HOLMGREN, A. Electrolyte effects in the isotopic exchange between alkali iodides and methyl iodide in propanol, 25:37373
  Isotopic exchange reaction between ammonium bromide and butyl bromide, 25:4071
  Radioelectrochemical determination of microgram iodide, 25:4027
HOLMGREN, H. D. Cluster effects in nuclear reactions, 24:45803
  Multiparticle nuclear reactions, 24:28828
  Reaction ^{12}C[^{3}He,^{8}Be(g.s)]^{7}Be(g.s.), 22:44622
  Reaction ^{7}Li(α,2α)^{3}H, 24:43169
  Reaction ^{7}Li(p,pα)^{3}H, 24:43170
  Reaction ^{9}Be(p,pα)^{5}He at 57 MeV, 23:15366
  Reactions (p,pα) and (α,2α) on ^{6}Li and ^{7}Li, 24:49710
  Reactions ^{9}Be(p,pα)^{5}He and ^{12}C(p,pα)^{8}Be at 57 MeV, 24:45734
  Study of ^{12}C(p,pα)^{8}Be reaction and excited states of ^{12}C, 23:30948
  Study of several states in the 20-MeV region of ^{12}C, 22:26900
  Test of cluster-knockout model using the reaction ^{6}Li(p,pα)d, 23:15369
HOLMGREN, Harry D. Angular correlations for reaction ^{9}Be(^{3}He,α)^{8}Be(16.92) → α + α, 22:20488
HOLMGREN, J. Isolation of P. aeruginosa from urine of irradiated patient, 23:29458
HOLMGREN, J. D. Transient two-phase heat transfer and flow characteristics of liquid hydrogen, 21:10533 (N-66-19533)
HOLMGREN, L.-A. Pitch-angle dependence of auroral electron fluxes in keV range, 25:27577
HOLMGREN, Paul Robert High-resolution autoradiography with ^{32}P, 25:2521
HOLMGREN, S. O. Experimental results on proton—proton interactions at 10 GeV/c with six charged particles in the final state, 22:46326
  Hardware system for measurements of bubble chamber films on-line, 25:18776 (USIP-70-3)
  Strange-particle production in 10 GeV/c proton—proton reactions, 21:44267
  System for on-line control of bubble chamber measurements, 25:13282 (CERN-70-21(Vol.2), pp 825-30)
HOLMGREN, Sven-Olof Bubble chamber experiments on 10 and 19 GeV/c proton—proton interactions, 25:19902 (USIP-70-8)
  One-pion exchange model applied to reaction pp → $p\pi^+(\Delta^{++})\pi^-p$ at 19 GeV/c, 25:20020 (USIP-70-5)
  One-pion exchange model applied to reaction pp → $p\pi^+(\Delta^{++})\pi^-p$ at 19 GeV/c, 25:20032
HOLM-HANSEN, Osmund Determination of microbial biomass in deep ocean profiles, 24:24984 (UCSD-10-P-20-62)

- Microbial distribution in ocean water relative to nutrients and food sources, 24:31217 (UCSD-10-P-20-73)
- HOLMIN, N. Integration of nuclear units in the Swedish power system, 25:53978 (A/CONF.49/P-306)
  - Power supply in Sweden in the 1970's, 22:20818 (NP-17271)
- HOLMIN, Nils Survey of sweden, 24:47705
- HOLMQUIST, C.-E. Nuclear energy to improve environmental health, 21:20224
- HOLMQUIST, Fred N. Conductivity probe for tenuous plasmas, 23:20897
- HOLMQVIST, B. Angular distributions of neutrons elastically scattered by natural Cu in the energy region 1.5 to 4.6 MeV, 21:9960
  - Cross-section standards for fast-neutron elastic- and inelastic-scattering measurements, 25:53487 (CONF-701002-, pp 410-14)
  - Evidence for a symmetry term in the optical potential for neutrons, 22:27278
  - Fast-neutron elastic scattering at 8 MeV, 25:14965
  - Fast-neutron inelastic scattering in energy range 2 to 4.5 MeV, 25:14966
  - Inelastic neutron scattering cross sections of ^{63}Cu and ^{65}Cu in the energy region 0.7 to 1.4 MeV, 22:18182
  - Monte Carlo program for calculation of neutron attenuation and multiple scattering corrections, 22:13924
  - Neutron elastic scattering cross sections of the elements, Ni, Co, and Cu, between 1.5 and 8.0 MeV, 22:13954 (AE-303)
  - Neutron elastic scattering cross sections of Fe and Zn in energy region 2.5 to 8.1 MeV, 23:7243 (AE-337)
  - Neutron elastic scattering cross sections, 23:52119 (AE-366)
  - Neutron elastic scattering from tantalum, 24:43334
  - Neutron elastic scattering study of Cr, Fe, and Ni in energy region 1.77 to 2.76 MeV, 24:28725 (AE-385)
  - Neutron elastic-scattering cross-sections of V, Cr, Fe, and Ni, 25:14964
  - Neutron energy spectra from neutron-induced fission of ^{238}U at 1.35 and 2.02 MeV, 25:15109
  - Neutron scattering from V, 24:38189
  - Nuclear mass distribution radii from elastic neutron scattering, 22:50679
  - Optical model study of neutrons elastically scattered by Fe, Ni, Co, and Cu in the energy region 1.5 to 4.6 MeV, 21:4370
  - Optical model study of neutrons elastically scattered by Fe, Ni, Co, Cu, and In in energy region 1.5 to 7.0 MeV, 21:29911 (AE-270)
  - Study of deformation effects by fast neutron elastic scattering, 24:43434
  - Systematic investigation of fast neutron elastic scattering, 23:5853
  - Systematic study of fast neutron elastic scattering in energy region 1.5 to 8.1 MeV, 23:19206
- HOLMQVIST, Bertil Fast neutron elastic scattering in energy region 1.5 to 8.1 MeV, 23:17050 (NP-17773)
- HOLMQVIST, L. Rapid and simple microscale separation of proteins after radioiodination, 25:34700
- HOLMQVIST, Yngve Per Stabilized high voltage supply unit, 22:47326
- HOLMRYD, Sten SiO_2(quartz), MgO, PbF_2, and Bi as low-pass neutron velocity filters, 23:9802
- HOLMS, Arthur G. Design of a nuclear reactor experiment, 24:18759 (CONF-690910-, pp 698-732)
- HOLMSTEAD, G. M. Freezing of cryogenic liquids when expanded to pressures below the triple point pressure, 21:3765 (N-66-29346)
- HOLMSTEDT, Bo Ion specific detection of internal standards labelled with stable isotopes, 25:28967
- HOLMSTROEM, B. Calorimetric investigation of hyperfine interactions in metallic Ho and Tb, 23:14910
  - Heat transfer below 0.2°K, 23:16753
  - Hyperfine interactions in metallic Nd, Sm, and Dy, 23:44559
  - Hyperfine interactions in metallic Pr and Tm, 24:15411
- HOLMSTROM, B. Calorimetric investigation of hyperfine interactions in rare-earth metals, 22:11531
- HOLOBRADA, Margita Uptake and conversion of ^{35}S-sulfate in plants, 25:21564
- HOLODNY, Edward I. Coaxial inserter for radium needles, 22:546
  - Intracavitary irradiation of carcinoma of cervix uteri, using linear distribution of sources, 25:6750
  - Safe threading and sterilization of radium needles, 22:43340
- HOLOEIEN, E. Energy calculation of metastable $(1s2s2p)^4P^o$ state of He^- and Li, 21:23014
  - Study of doubly (multiply) excited states of atoms, 25:16835
  - Tests of multiconfiguration energy-bound method for autoionization states of two-electron atoms. I, 24:32685
- HOLOHLAVSKA, H. Electronexoemission (EE) and thermoluminescence (TL) from doped calcium sulphate crystals, 23:7818 (CONF-680920-, pp 220-33)
- HOLONYAK, N. Jr. Current oscillations in Si p-i-n devices after irradiation, 23:17892
- HOLOPAINEN, Toivo Strontium-85 uptake in joints damaged by rheumatoid arthritis, 21:24506
- HOLOUBEK, V. Thymidine—^{3}H incorporation into DNA by histones from tumor tissues, 22:439
- HOLOWAYCHUK, N. Analysis of gamma-ray spectra from soils and plants. II, 21:16001
  - Strontium-90 content of soils near Cape Thompson, Alaska, 23:13856
- HOLOWNIA, Jan Frequency spectrum generators and their application, 21:45486
- HOLROYD, A. M. Analysis of renograms using the gamma camera, 24:50980
  - Simple method for obtaining dynamic quantitative information from the gamma camera, 24:12190
- HOLROYD, P. Identification of O_2^- adsorbed on magnesium oxide, 22:25423
- HOLROYD, P. M. Evacuable glove-box for handling of liquid sodium, and apparatus for analysis of carbon in sodium and other metals, 25:13185 (AERE-R-6338)
- HOLROYD, R. A. Chemical method to determine the fast-neutron fraction of the dose rate in a nuclear reactor, 21:38753
  - Nanosecond pulse radiolysis of liquid naphthalene and biphenyl, 24:2253
  - Pulse radiolysis of aqueous cyanogen solution, 25:29149
  - Radiation chemistry of chromosomes, 12/66—6/30/69, 23:50331 (AI-AEC-Memo-12861)
  - Radical intermediates in the vacuum ultraviolet photolysis of cyclohexane and cyclohexene vapors, 24:31311
  - Radical yields of hydrocarbons, 22:42804
  - Radicals formed by electron transfer to pyrimidine derivatives, 23:20135
  - Radiolysis and photolysis of liquid alkanes, 23:47492
  - Radiolysis of napthalene and benzophenone solutions, 24:27152
- HOLROYD, Richard Radicals formed in proteins by reaction with hydrogen atoms, 25:6648
- HOLROYD, Richard A. Organic liquids, 23:13759
  - Radical formation in the radiolysis of branched hydrocarbons, 21:5949
- HOLSING, G. Carl Packaging materials used with irradiated foods and preparation of petitions on irradiated foods, 23:18177 (CONF-681006-, pp 247-9)
- HOLSOPPLE, H. L. Organic preparations, 22:14483 (ORNL-4196, pp 91-2)
- HOLST, J. L. Fluorocarbon-lined glovebox, 23:2485
- HOLSTEIN, B. R. B-meson and T-violation in radiative π decay, 24:40334
  - Chiral symmetry and nonleptonic-radiative hyperon decay, 25:28004
- HOLSTEIN, Barry H. Second-class currents and analog processes, 25:56854
- HOLSTEIN, Barry R. Current algebra, Glashow's model of CP nonconservation, and $K \rightarrow 3\pi$, 23:18947
  - Current-algebra derivation of $\Delta I = 1/2$ rule in nonleptonic K decay, 24:35638
  - Current-algebra model of $\Delta I = {}^3/_2$ effects in nonleptonic kaon decay, 23:46668
  - Induced tensor in allowed nuclear beta decay, 25:56861
  - Rule ($\Delta I = 1/2$) in current—current models of CP violation, 22:44468
  - Tests for second-class currents in nuclear beta decay, 25:46108
- HOLSTEIN, Barry Ralph A theoretical study of the weak nonleptonic decay modes of the K meson, 25:14764
- HOLSTEN, D. R. Auxiliary apparatus for telecobalt therapy, 21:32667
- HOLSTEN, Dietrich Robert Radiation effects on lymph nodes, 24:21275
- HOLSTEN, R. D. Direct and indirect effects of radiation: the radiolysis of sugar, 21:10783
- HOLSTI, L. R. Application of lymphography in radiotherapy, 21:28522
  - Effect of lung tissue on exit dose in 33-MeV photon therapy, 22:21542
  - Fluorine-18 scanning of primary and metastatic bone tumors, 22:45549
  - Recovery of HeLa cells after small doses of ^{60}Co gamma irradiation, 23:29720
- HOLSTI, Lars B. Radiation reaction in lung after radiotherapy of bronchial carcinoma, 21:24510
- HOLSTI, Lars R. C-reactive protein during radiotherapy of malignant tumors, 22:45407
  - Chromosome aberrations induced by x-ray therapy and myxovirus infection in human peripheral leukocytes, 25:24119
  - Fundamentals and potentialities of radiotherapy, 22:40790
  - Serum enzyme activity during split-course radiotherapy of malignant tumors, 23:29375
  - Split-course radiotherapy of cancer, 21:45729
  - Split-course techniques, 25:11223 (BNL-50203, pp 292-307)
  - Transfer of water and drugs by the isolated intestine of γ-irradiated rat, 24:17135
- HOLSTI, P. Recovery of HeLa cells after small doses of ^{60}Co gamma irradiation, 23:29720
- HOLSTON, J. Marine products technology and development committee, 23:18178 (CONF-681006-, pp 253-5)
- HOLSTON, J. A. Prog. rpt. on chemistry of radiopasteurized seafoods, 10/66—9/67, 23:12255 (TID-24633)
  - Prog. rpt. on irradiated-pasteurized fishery products, annual, 10/1/66—9/30/67, 22:43499 (TID-24256)
  - Prog. rpt. on operations of marine products development irradiator, annual, 10/66—9/67, 24:22849 (TID-25211)
  - Prog. rpt. on study of irradiated-pasteurized fishery products, annual, 10/67—9/68, 24:34805 (TID-25312)
  - Radiopasteurization of fishery products, 23:18147 (CONF-681006-, pp 3-10)
  - Study of irradiated-pasteurized fishery products, 25:27149
- HOLSTON, John A. Shipboard irradiator studies, 23:10130 (TID-24332)
- HOLSTROM, Geoffrey B. Strategy for exploration of terrestrial planets, 23:44148
- HOLT, A. Mechanism of solvolysis of 2-halogenoalkylsilanes. II, 24:29280
- HOLT, A. R. Accuracy of second Born approximation, 22:29260
  - Accuracy of simplified second Born approximation, 24:5003
  - Application of simplified second Born approximation to scattering of electrons and protons by hydrogen atoms, 22:24048
  - Application of simplified second Born approximation to the scattering of electrons and protons by H. II, 24:5002
  - Forward elastic scattering of electrons by helium, 25:52648
  - Matrix elements for bound—free transitions in atomic hydrogen, 24:6350
- HOLT, Ben D. Molecular-beam deposition of nickel chloride on metal substrates, 24:13647 (ANL-7593)
  - Remote analysis of radioactive alloys for carbon, oxygen, nitrogen, and hydrogen, 22:22983
  - Temperature control of metallic targets in vacuo by electron beam and infrared radiometry techniques, 23:23591
- HOLT, D. L. Prog. rpt. on deformation of anisotropic metals, final, 7/1/65—6/30/66, 21:13135 (AD-639314)
- HOLT, David L. Diffusional flow in hydrided Mg—0.5 Zr alloy, 24:2959
- HOLT, E. H. Attempt to generate plasma oscillations with a relativistic electron beam, 22:7332
  - Connection between self-excited low frequency oscillations and anomalous plasma diffusion, 25:17229
  - Correlation measurements of ion acoustic waves in a highly ionized plasma, 22:41598
  - Helical instability of a hollow plasma column in a magnetic field with shear, 22:24359
  - Helical instability of the positive column in crossed fields, 21:40045
  - Lorentz model and time-dependent diffusion, 23:39490
  - Non-Maxwellian form of electron velocity distribution in nitrogen plasmas, 22:11443
  - Prog. rpt. on non-equilibrium properties of magnetoplasmas, semiannual, 9/66—2/67, 21:44127 (NP-16948)
  - Radial density profile and critical magnetic field for helical instability in hollow plasma, 21:44139
  - Search for plasma oscillations stimulated by pre-bunched electron beam from linear accelerator, 21:33404 (NASA-CR-819)
  - Shear stabilization of a collision-dominated plasma, 22:50208
- HOLT, Frank Immersion heaters for nuclear reactor pressurizers, 22:50774
- HOLT, G. Computerized implant dosimetry, 22:31087
- HOLT, G. G. Radiation-induced sterility in adult male cabbage looper, 24:32327
- HOLT, Gerald Inherited sterility in progeny of irradiated male cabbage loopers, 22:43464
- HOLT, J. Calibration drift effects in nickel-alloy thermocouples, 21:43590 (TRG-Report-1510)
- HOLT, J. A. G. Treatment of carcinoma of the cervix, 25:52171
- HOLT, J. B. Determination of oxygen diffusion in ceramics by means of nuclear activation, 23:1037
  - Helium diffusion in LiH, 25:52495
  - Helium migration in Pd. I, 25:33418
  - Helium migration in Pd. II, 25:37985
  - Marker techniques for studying the scaling of metals, 24:2883
  - Nitrogen diffusion in UN, 24:12470
- HOLT, J. Birch Determination of oxygen diffusion in ceramics by means of nuclear activation, 21:45998 (UCRL-70580)
  - Nuclear activation technique for detecting ^{15}N tracer in solids, 22:12
  - Oxygen diffusion in CoO as measured by proton activation of ^{18}O, 21:43664
- HOLT, J. G. Direct intercomparison of absorbed dose by thermoluminescent dosimetry, 21:26235 (CONF-650637-, pp 363-71)
  - Dose distribution computation service, 23:50764
  - Intercomparison and calibration of high-energy x-rays and electrons, 23:50508
  - New developments in therapeutic dosimetry, 22:31067
- HOLT, J. Garret Extension of the concept of tissue-air ratios (TAR) to high-energy x-ray beams, 24:44512
- HOLT, J. Garrett Density distribution within patients, 23:45740
- HOLT, J. M. Measurement of blood loss by means of a whole-body counter, 22:10690
  - Phenomenological phase-parameter fits to N—N data up to 350 MeV, 22:15817
  - Short- and long-range charge independence, 22:37165
- HOLT, J. N. Principle of invariance and noncoherent scattering, 25:22226
- HOLT, J. O. Design and performance of control systems for Canadian natural uranium reactors, 21:34128
  - Nuclear power is competitive, 21:15701
- HOLT, J. R. Charge-exchange scattering of negative pions by protons at 96.6 MeV, 22:9511
  - Photoproduction of eta-mesons between 950 MeV and 2.2 GeV, 23:39594
  - Scattering of positive pions by protons at 97.1 MeV, 22:9510
- HOLT, James F. Experimental study of hollow-cathode argon arc plasma, 24:26150 (AD-700307)
  - Plasma scanner and data processing system for current—voltage curves, 23:23087
  - Scanning analyzer for determining characteristics of an ionized plasma, 24:45230
- HOLT, John Floyd Radiologic diagnosis, 23:43816
  - Year book of radiology, 1969, 23:43815
- HOLT, M. Explosions due to pressurized spheres at the ocean surface, 22:21219
- HOLT, M. L. Electrodeposition of ^{99}Tc from aqueous solution, 21:10328
- HOLT, Maurice Intense explosions at the ocean surface, 22:21220
- HOLT, O. Electron density measurements in lower ionosphere, 22:41491
  - Impedance of rf plasma probe in static magnetic field, 24:37352
  - Results from an rf capacity probe experiment in the auroral ionosphere, 22:5255
- HOLT, Olav Characteristics of polar cap absorption, 22:46019
- HOLT, P. D. Analysis of target theory of Lea with modern data, 24:48436
  - Automatic calibration of radiation monitoring films, 23:26584 (AERE-R-6037)

  Dosimetry of irradiations of Chlamydomonas cells with high LET radiations from van de Graaff accelerator, 24:4623
  Effect of gamma radiation and alpha particles on gene recombination in Chlamydomonas reinhardi, 25:24123
  Low-pressure cloud chamber for measuring ionization produced by high-LET particles, 25:21400
  New method for deriving energy requirements for radiobiological damage from cell survival curves, 24:39585 (AERE-M-2302)
  Nuclear accident dosimetry systems, 25:4377 (AERE-R-6498)
  Physical parameters of radiations determined from the inactivation of ribonuclease, 24:48437
  Range of electrons below 1 keV, 25:22581
  Stopping power of low energy electrons in biological materials, 24:44415 (EUR-4452, pp 529-39)
  Survival curves of haploid and diploid Chlamydomonas reinhardtii exposed to radiations, 23:24767
HOLT, Peter R. Use of ^{125}I- and ^{51}Cr-labeled albumin for the measurement of gastrointestinal and total albumin catabolism, 22:51844
HOLT, R. A. Beta to alpha phase transformation in Zy-4, 24:42154
HOLT, R. C. Design for in-service inspection of boiling water reactor pressure vessels, 25:39245 (CONF-710512-5)
HOLT, S. S. 2 to 20-keV x-ray sky background, 24:5018
  Anomalous temporal behavior of NP 0532, 24:10253
  Evidence for multiple periodicity in x-ray emission from Cygnus X-1, 25:35690
  Fast neutron latitude variations in the atmosphere at solar minimum, 21:2122
  High-energy x rays from solar flare, 7/7/66, 22:13148
  Iron line emission from x-ray sources, 23:8396
  Iron line emission from x-ray sources, 23:30240 (N-69-19890)
  Limit on line emission in the x-ray background at high galactic latitudes, 25:40321
  Polarisation reversal of solar microwave bursts, 24:28002
  Pulsar distributions without magnetic decay, 25:2851
  Pulsars and x-ray-emitting supernova remnants, 24:21488
  Pulsed x-ray emission of NP 0532 in 3/68, 23:39151
  Pulsed x-ray emission of NP 0532 in March 1968, 23:46178 (N-69-29863)
  Search for temporal structure in x rays from Scorpius X-1, 25:19363
  Search for temporal structure in x rays from Sco X-1, 25:22280 (N-71-10769)
  Very high energy solar x rays observed during the proton event of July 7, 1966, 23:22800
  X-ray spectrum of Sco X-1, 24:8276
HOLT, Stephen S. Fast neutron latitude variations in the atmosphere at solar minimum, 21:41956
  Generation of synchrotron and x-ray emission from electrons with energy below mc^2 in solar flares, 23:8409
  Long-term storage of relativistic particles in the solar corona, 25:19403
  Microwave and hard x-ray bursts from solar flares, 23:27293 (N-69-15555)
  Microwave and hard x-ray bursts from solar flares, 23:39238
  Satellite protons as a test of solar neutron observations, 21:31339
  Spectrum of 2 to 20-keV x rays from the Crab Nebula, 23:27269
  X-ray astronomy. I, 25:22279 (N-71-10610)
HOLT, W. H. Experimental and theoretical study of the momentum distribution of two-photon annihilating positron—electron pairs in methane, 23:1166
  Positron annihilation in condensed ammonia, 23:10446
  Resolution functions for cylindrical geometry, 23:7748
HOLT, William Henry Angular correlation of two-photon positron annihilation radiation in liquid and solid ammonia, 21:46170
HOLTBECKER, H. Consequences of the rupture of a pressure tube or of a complete channel in an ORGEL-type reactor, 25:1907 (EUR-4493)
  Description of the Betulla installation, 24:25162 (EUR-4463)
  Explosive welding of a fuel element, 23:18197
  Explosive welding of end caps of fuel elements for fast reactors, 25:47106
  Full scale experiment on consequences of pressure tube rupture in ESSOR reactor vessel, 23:28553 (EUR-4101, pp 345-77)
  Instrumentation for rapid mechanical transients in model scale experiments, 23:26605 (EUR-4101, pp 153-92)
  Response of vessel to an internal blast loading, 22:44918 (CONF-660669-1)
  Some theoretical considerations and experimental data on propagation and reflection of underwater pressure and shock waves, 23:28506 (EUR-4101, pp 23-74)
HOLTBECKER, Helmut Improvements relating to the explosive welding of a plug to a tube or of tubes to each other, 25:32672
HOLTE, G. Research and research resources at Studsvik, 22:33399
HOLTEBEKK, T. Gamma-ray transitions in ^{20}F from the reaction ^{19}F(d,pγ)^{20}F, 23:49362
  Lifetimes of excited states in ^{20}F, 24:26608
HOLTEBEKK, Trygve Levels in ^{7}Li, 25:17713
HOLTEN, Darold Hormonal regulation of enzyme synthesis, 22:7955 (ORNL-P-3466)
HOLTER O. Finite amplitude instabilities in weakly ionized gases and solids, 21:42133 (D-1-82-0626)
HOLTET, J. Enhanced electromagnetic band emission between 500 and 1000 Hz, 22:34436
HOLTET, J. A. Ion-reflection of downward-propagating whistlers at low latitudes, 25:9321
HOLTHUIZEN, D. J. Correction for geometrical losses in a bubble chamber, 22:23321 (CERN-68-10)
  HPD—CDC 3200 system at Amsterdam, 23:33499 (ANL-7515, pp 164-72)
  HPD—CDC 3200 system at Amsterdam, 25:13275 (CERN-70-21(Vol.2), pp 709-20)
HOLTMEYER, G. Investigation of anisotropic slowing down of low-energy Mg atoms in a NaCl single crystal at different temperatures, 21:29359
HOLTOM, H. T. Bolsa Island Nuclear Power and Desalting Plant, 23:43183 (CONF-670338, pp 35-47)
  Desalted water-power dual plant for Southern California, 22:14624
HOLTOM, Harold T. Dual-purpose desalted water-nuclear power plant, 21:46936
HOLTON, Charlene Treatment of Ewing's sarcoma with concurrent radiotherapy and chemotherapy, 23:29673
HOLTON, D. I. Mold release capability of Teflon films fused onto metallic molds, 22:2714 (R-67-ND-6)
HOLTON, Robert L. Thermal pollution and the environment, 24:33226
HOLTON, Robert Lawrence Effects of γ irradiation on brine shrimp, 23:33818
HOLTSLAG, D. J. In-reactor thermionic converter testing experience at general electric, 22:30794 (CONF-680508-3)
HOLTSLANDER, W. J. Competition between scavengers in the vapor-phase radiolysis of hydrocarbons, 21:36044
  Electron-scavenger competition effect in radiolysis systems, 21:15928
  Radiolysis of methylcyclohexane. IV, 22:103
  Radiolysis of methylcyclohexane. III, 22:102
HOLTY, David W. Liquid scintillators. XIV, 23:2600
HOLTZ, Albert I. Phosphorus-32 analysis by digital computers, 21:45536
HOLTZ, Carl Frederick Synthesis of some amino acid derivatives as potential antiradiation compounds, 21:34282
HOLTZ, David Acidity of hydrocarbons. XXIII, 21:15969
  Acidity of hydrocarbons. XXXIV. Rate of proton abstraction from p-trifluoromethyltoluene by lithium cyclohexylamide in cyclohexylamine, 25:15589
HOLTZ, F. C. New vanadium—columbium alloys resist high and low temperatures, 21:9174
HOLTZ, Frederick C. Jr. Cobalt—tungsten carbide alloy and process, 24:36956
  Vanadium—columbium—Ta alloys, 23:34090
HOLTZ, J. BIM, a large 10-MJ magnet, 25:1148
HOLTZ, J. Z. Detection of 10.5-micron line emission from planetary nebula NGC 7027, 24:46886
  Infrared line emission from planetary nebulae, 25:19327
HOLTZ, James Z. Energy requirements and mechanisms for OH galactic masers, 22:43844
HOLTZ, M. D. Coulomb excitation of ^{233}U, 22:42042
HOLTZ, R. E. Design and testing of a high-heat-flux electron-bombardment heater, 22:51159 (ANL-7431)
  Incipient boiling superheats in reactor systems, 25:41473
  Incipient sodium superheats, 23:35412
  Initiation of pool boiling in sodium, 24:2384
  Some recent data on incipient sodium boiling, 22:33156
HOLTZ, Robert E. Apparent effect of velocity upon liquid-metal boiling inception, 25:41474
  Effect of the pressure-temperature history upon incipient-boiling superheats in liquid metals, 21:1501 (ANL-7184)
  Electron-bombardment-heated sodium experiment, 22:10427 (ANL-7364)
  Expulsion dynamics of sodium and nonmetallic fluids, 24:38583
  Further study of the pressure-temperature history model of liquid-metal boiling inception, 25:4212
  High-heat-flux electron-bombardment heating experiments, 22:33142
  Incipient boiling conditions in a blocked LMFBR subassembly, 24:7101
  Incipient boiling of Na, 24:16765 (ANL-7608)
  Nonuniform sodium slug ejection from an asymmetrically heated channel, 24:33393
  Prediction of incipient boiling superheats in liquid metal cooled reactor systems, 25:51150
  Prediction of the incipient boiling conditions following a blocked LMFBR subassembly accident, 24:47887
  Role of inert gas in incipient boiling liquid metal experiments, 23:50034
  Sodium superheat experiment, 21:38515
  Superheating of sodium and the generation of pressure pulses, 22:51171
  Superheating of sodium at low heat fluxes, 22:21682 (ANL-7383)
  Vaporization and expulsion measurements with superheated sodium, 24:7106
  Vaporization dynamics of initially static superheated sodium, 25:19191 (ANL-7706)
HOLTZBERG, F. Nb$_2$O$_5$ and Ta$_2$O$_5$ structure and physical properties, 24:48904
  Superconductivity in the lanthanum selenide system, 22:22098
HOLTZCLAW, J. W. Analytical methods for evaluating radiological aspects of the General Electric Boiling Water Reactor, 23:47095 (APED-5756)
HOLTZEM, H. Problems in the disposal of radioactive waste in Germany, 22:23248
  Problems of disposal of radioactive wastes in Germany, 24:11756 (ORNL-tr-1841)
  Will it be possible to dispose of radioactive waste, 23:15615
HOLTZMAN, Jordan L. Effect of 4,4-dideuteration of reduced nicotinamide—adenine dinucleotide phosphate, 24:16499
  Inhibition of hepatic microsomal mixed function oxidases by D$_2$O, 25:13372
HOLTZMAN, R. B. Analysis of Pb and Te in biological materials, 25:20907 (ANL-7760(Pt.2), pp 53-62)
  Lead and ^{210}Pb in rainwater, 22:184
  Lead-210 and radium-226 in radium-burdened people, 25:21545 (ANL-7760(Pt.2), pp 22-34)
  Palladium-210 and ^{210}Po in wood, 24:27501 (ANL-7615, pp 38-43)
HOLTZMAN, Richard B. Concentrations of ^{226}Ra, ^{210}Pb, and ^{210}Po in aquatic fauna, 23:17980 (CONF-670503-, pp 535-46)
  Isotopic composition as a natural tracer of lead in the environment, 24:22792
  Lead-210 (RaD) and ^{210}Po (RaF) in ps, 22:2207
  Radium-226 and natural airborne nuclides ^{210}Pb and ^{210}Po in Arctic biota, 21:26405 (ANL-7220, pp 51-8)
  Radium-226 and the natural airborne nuclides ^{210}Pb and ^{210}Po in arctic biota, 23:14185
  Sources of ^{210}Pb in U miners, 24:17015
  Sources of ^{210}Pb in uranium miners, 24:31976 (ANL-7489, pp 37-43)
HOLUJ, F. EPR study of hole centers in phenacite, 23:51751
  Luminescence in phenacite, 23:51752
HOLUNGA, Roberta Maternal radiation and chromosomal aberrations, 23:6430
HOLUSA, R. Death causes in mice exposed to ^{226}Ra, 25:24416
  Experimental experiences with collagen sponge, 23:48312
HOLVERSON, Edwin LeRoy Study of electrical conduction in cerium oxide, 22:3215
HOLWEGER, H. Abundance of iron in the solar photosphere, 24:44900
  Abundances of Fe and some other elements in the Sun and in meteorites, 23:51283
  C I and CH lines in solar spectrum, 21:46107
  Damping and solar abundance of Na from Na I Fraunhofer lines, 25:13899
  Depression of the solar continuous spectrum by line absorption and the Balmer continuum, 24:10327
  Experimental oscillator strengths of Fe II lines and the solar iron abundance, 24:17547
  Influence of hyperfine structure on solar cobalt abundance, 25:22317
  Quantitative analysis of spectrum of F8V-star beta Virginis, 21:20645
  Revised solar iron abundance, 23:46189
HOLWEGER, Hartmut Center-to-limb analysis of the solar oxygen lines, 22:17280
  Empirical model of the solar atmosphere with local thermodynamic equilibrium, 21:20644
HOLY, Z. J. Analysis of thermoelastic transients due to local heat transfer coefficient perturbations, 24:43863
  Axisymmetric thermal response problems for a spherical fuel element, 23:24041
  FORTRAN IV programs for computation of temperature and thermoelastic stress in a homogeneous spherical fuel element, 21:35769 (AAEC/TM-366)
  FORTRAN IV programs for computation of temperature and thermoelastic stress in homogeneous spherical fuel element, 23:2029 (AAEC/TM-470)
  General static thermoelastic sphere problem, 22:49018
  Numerical studies of temperature and thermoelastic stress due to local heat transfer coefficient transients, 24:43864
  Solution of static thermoelastic problems, 23:24040
  Temperature and stress factors in a pebble bed reactor, 22:32803
  Temperature and thermoelastic stress fields in infinite half-space due to axisymmetric surface heat transfer. I, 21:32320
  Temperature and thermoelastic stress fields in a heat producing sphere, 22:14669
  Thermal and mechanical aspects of H.T.G.C. reactor core designs, 21:12116 (AAEC/E-153)
  Variable surface heat transfer, 23:7419
HOLYER, R. H. Oxygen exchange between Cr(VI) oxyanions and water, 21:14226
HOLYFIELD, G. Oxidation of superheat materials in steam: austenitic stainless steels, 21:11183
HOLYNSKA, B. Determination of zirconium in zirconium-bearing sands and zirconium concentrates by nondispersive x-ray fluorescence method, 22:4040
  Feasibility of radioisotope x-ray fluorescence analysis for measuring water pollution by meals, 25:31823
  Grain size effect in low-energy gamma and x-ray scattering, 23:13660
HOLYNSKA, Barbara Radiometric method for determination of Zr in zirconium-bearing sands, 22:16436
  Rapid radiometric methods of chemical analysis developed in the Inst. of Nuclear Techniques of the Academy of Mining and Metallurgy, 25:15526
HOLYNSKI, R. Experimental tests of cascade theory at high energies, 23:14939
HOLYOAK, B. Theoretical analysis of extensive air showers. I, 21:639
  Theoretical analysis of extensive air showers. II, 22:24083
  Theoretical analysis of extensive air showers. III, 23:30374
HOLYOAK, R. H. 1967 In-service inspection of Dresden I nuclear power plant, 22:6002
  In-service inspection of Dresden-1, 22:53343
HOLYOKE, E. Douglas Treatment of osteoradionecrosis by intraoral excision of the mandible, 22:10799
HOLZ, A. Solution of the Dirac equation for oblique electric and magnetic fields, 24:45391
HOLZ, H. SCTI evaluation study, 22:47266 (NAA-SR-Memo-11753)
HOLZ, P. P. Remote maintenance through portable shields, 21:8139
HOLZ, Peter P. Feasibility study of remote cutting and welding for nuclear plant maintenance, 24:2418 (ORNL-TM-2712)
HOLZAEPFEL, E. Design and applications of metering pumps in nuclear engineering, 24:2359
HOLZAEPFEL, John H. Megavoltage therapy for gynecologic malignancies, 21:36636
HOLZAPFEL, Ch. Applied magnetohydrodynamics. No. 4, 23:36551 (JUL-580-TP)
HOLZAPFEL, Chr Applied magnetohydrodynamics. III, 22:31673 (JUL-510-TP)

Applied magnetohydrodynamics. VI, 25:19536 (JUL-706-TP)
HOLZAPFEL, Christian Applied magnetohydrodynamics. VII, 25:43182 (JUL-742-TP)
Calculation of electric conductivity of a plasma, 24:19886 (JUL-617-TP)
HOLZAPFEL, G. Diffusion-controlled EEE phenomena in BeO, 23:25432
HOLZAPFEL, H. Decomposition of monazite by heating with carbon and quartz, 21:40970
Investigations of the decomposition of monazite by heating with carbon and quartz, 21:25958
New reagnet for fluorometric determination of Tb(III) and Dy(III) in aqueous solution, 23:70
Separation of calcium and strontium by liquid ion exchange, 25:31769
HOLZAPFEL, Heinz Extraction of some rare earths with trioctylamine from complexed aqueous phase, 21:22027
Polarographic determination of molybdenum in presence of other metals, 22:33272
HOLZAPFEL, W. Effect of pressure on volume of high-pressure (VII) phase of H_2O and D_2O, 22:35797
HOLZAPFEL, W. B. Hall effect studies on strontium and ytterbium under high pressures, 25:36324
HOLZBERLEIN, T. M. Evolution of life-time measuring techniques at Univ. of Oklahoma, 22:41330
HOLZCHUH, R. Results in the field of inductive MPD converters, 23:46341
HOLZE, Dick Henry Quantum measurement example, 21:33585
HOLZER, Alfred Gasbuggy in perspective, 24:14109 (UCRL-72175)
Plowshare and the environment, 25:13430 (UCRL-72830)
Plowshare and the environment, 25:37519
HOLZER, F. Optimal information for the measurement of half-lives, 25:48118
Shock velocity measurements near underground explosions by cable crushing, 21:24127 (UCID-4867)
Stress history measurements: Hardhat Event, 22:19000 (UCID-15283)
HOLZER, Fred Gasbuggy experiment, 23:26391 (UCRL-71624)
Gasbuggy preliminary postshot summary report, 22:18999 (PNE-1003)
Gasbuggy preliminary postshot summary report, 22:30740
Gasbuggy preshot summary report, 22:8239 (PNE-1001)
Ground motion effects from nuclear explosions: a review of damage experience and prediction methods, 25:44478 (UCRL-51062)
Plowshare and the environment, 25:4171
Underground engineering experience, 23:24334 (UCRL-71489)
HOLZER, G. Triplet lifetime of diphenylpolyenes and deuterated stilbenes in frozen solution, 24:33688
HOLZER, H. P. Boundary migration in neutron-irradiated copper bicrystals, 24:19472
HOLZER, O. H. Scattering chamber using semiconductor detectors, 21:6266
HOLZER, Peter Double-centre oscillator and its application to fission, 24:8947
Problem of zero-bias anomalies in the tunneling spectroscopy of superconductors, 25:14206
HOLZER, Robert E. Ac magnetic fields, 24:42587
Crossing of the magnetopause at 6.6 R/sub E/ by ATS 1, 22:47982
High-frequency magnetic fluctuations associated with earth's bow shock, 23:44291
Magnetic emissions in magnetosheath, 23:30430
OGO 3 observations of elf noise in the magnetosphere. I, 23:12678
OGO 3 observations of elf noise in the magnetosphere. II, 24:17757
OGO search coil magnetometer experiments, 23:46413
OGO-3 observations of elf noise in magnetosphere. I, 23:44254 (N-69-23330)
HOLZER, Rolf Construction of reactor core and of fuel elements in Obrigheim nuclear power station, 22:14183
Locating envelope-tube damage at individual nuclear fuel elements, 23:15740
HOLZER, T. E. Interaction between interstellar helium and the solar wind, 25:58855
Solar wind ion composition, 25:7046
Theory of stellar winds and related flows, 24:44873
HOLZER, Thomas E. Charge exchange and ion diffusion for thermal nonequilibrium conditions, 22:47917
Comparison of kinetic and hydrodynamic models of an expanding ion exosphere, 25:27613
High-latitude plasma transport, 24:6429
Plasma transport in the upper atmosphere, 24:6430
Polar wind, 23:1277
HOLZER, Thomas Edward Stellar winds and related flows, 25:27328
HOLZGRAF, James Frederick Characterization of the matrix of brittle matrix composites, 25:20900 (UCRL-20388)
HOLZHAUSER, Scott A five-dimensional field theory, 23:1575
HOLZHEY, J. Continuous radiometric measurement of the density and moisture of ceramic products, 21:4718
Radiometric determination of tool wear in steel wire drawing, 24:14673
HOLZHEY, Joachim Radiometric instrument for control of blast-furnace dust, 23:45567
HOLZINGER, Carl S. Computation of magnetic fields within three-dimensional highly nonlinear media, 24:32945
HOLZL, R. Tungsten cladding of reactor fuels, 21:9130
HOLZL, R. A. Emergence of chemical vapor deposited coatings from laboratory to commercial application, 22:43563
HOLZMAN, A. G. Integer programming problem in nuclear plant optimization, 23:37474
HOLZMAN, M. A. Semistatistical model for electrons in atoms, 24:21612
HOLZMAN, Melvyn Quantum mechanical study of plasmas, 24:30334 (AD-685806)
HOLZMAN, Melvyn A. Statistical atom model based on a local Coulomb approximation, 25:58815
HOLZMAN, R. L. Thermal effects of a nuclear explosion in salt, 22:33580
HOLZNER, J. Operating experience with Dragon steam generators, 24:28875
Tertiary circuit control valve, 24:40970 (DP-Report-282)
The emergency circuit of the heat disposal system. project dragon, 24:41023 (DP-Report-314)
HOLZNER, J. Heinrich DNA content in cells from cervical cancer under therapy, 23:50920
HOLZWARTH, G. Collective K = 0 states in even nuclei, 25:17979
Microscopic theory of nuclear collective motion, 22:30078
HOLZWARTH, Gottfried Nuclear collective model. II, 23:47049
HOLZWORTH, M. L. Stress-corrosion cracking of radioactive waste storage tanks, 22:36437
HOM, A. K. Inelastic scattering of thermal neutrons by reactor-grade graphite, 21:38193
Inelastic thermal-neutron scattering by liquid D_2O, 21:38194
HOMAN, D. H. Further calculations on a simple triton model, 22:32693
Triton variational calculations with trial functions which are not of the product type, 22:44603
HOMAN, F. J. Analysis of mixed-oxide fuel pin performance using the FM0DEL computer code, 24:7121
Analytical methods to design and predict performance of fast reactor fuel elements, 25:39251 (A/CONF.49/P-838)
Calculated nuclear and economic performance of niobium and molybdenum in LMFBR cores, 25:23297 (ORNL-TM-3271)
Capacity expansion optimization in a growing nuclear fuel fabrication industry, 24:16107
Capacity expansion optimization in nuclear fuel fabrication, 23:35386
Comparison of FMODEL, 25:32848
Comparisons between predicted and measured fuel pin performance, 25:37019 (ORNL-TM-3386)
Experiment description and hazards evaluation for the Series I ORNL oxide fuels irradiation in EBR-II, 25:11533 (ORNL-TM-2635(Suppl.))
FABCOST: code for estimating fabrication costs for fuel elements, 22:44924 (ORNL-4287)
Fuel-cladding mechanical interaction during startup, 25:6002
Nuclear and economic performance of Nb and Mo in LMFBR cores, 25:6055
Oak Ridge National Laboratory solutions to a modeling round-robin exercise, 25:48262 (ORNL-TM-3360)
Parametric analysis of fuel-cladding mechanical interactions, 25:48263 (ORNL-TM-3508)
Performance analysis of a mixed-oxide LMFBR fuel pin, 24:38552
Plant size optimization in a growing nuclear fuel fabrication industry, 23:7665 (ORNL-TM-2346)
PROFIL: one-dimensional FORTRAN IV program for computing steady-state temperature distributions in cylindrical ceramic fuels, 23:17282 (ORNL-TM-2443)
PROFIL: one-dimensional FORTRAN IV program for computing temperature distributions in ceramic fuels, 23:45141 (ORNL-TM-2443(Add.))
HOMAN, J. L. Manufacture of thick lithium-drifted silicon detectors, 22:320
HOMAYOONFAR, M. Inactivation of cells by heavy ion bombardment, 25:55313
HOMER, G. B. Mobile manipulator systems, 21:6113
HOMER, G. D. Halide—halide exchange at asymmetric silicon. New evidence against a siliconium ion-pair mechanism, 25:34579
HOMER, George David Stereochemistry of silicon-halogen bonds: racemization and chloride exchange studies, 25:31930
HOMER, R. J. Particle production by 8 GeV/c protons incident on Al, Cu, Pb, and W, 21:7458
HOMER, W. A. Dual-purpose nuclear power and desalting plant, 22:12080
HOMER, William A. Principal factors relating to the selection of single-purpose and dual-purpose desalting plants, 25:46322
HOMER III, John C. Method and apparatus for measuring rates of random pulses and alarm actuated thereby, 25:32298
HOMEYER, H. Elastic tau scattering on nuclei with A = 15 to 18 at 11 MeV, 25:20278
Neutron-induced reactions on silicon, 22:26967
Neutron-proton correlations in reaction $^{12}C(d,np)^{12}C$, 22:5765
Note on ΔE.E particle discrimination, 22:336
Reaction $^{15}N(tau,\alpha)^{14}N$, 25:12424
Singlet deuteron emission in (^3He,d) reaction described by distorted-wave Born approximation, 24:38083
States in ^{13}N and ^{12}C formed in reactions of ^{10}B with helions, 25:7815
States in ^{14}O by reaction $^{13}N(tau,d)^{14}O$, 23:25839
Study of states in ^{12}C by the reaction $^{11}B(tau,d)^{12}C$, 22:41977
Study of states in ^{15}O by reactions $^{14}N(tau,d)$ and $^{16}O(tau,\alpha)$, 22:32502
Study of states in ^{16}O, 25:14914
HOMEYER, W. G. Performance of thermionic reactors for 50 to 1000 kWe, 24:11289 (GA-9486)
Thermionic reactors for electric propulsion, 22:37510 (GA-8390)
HOMMA, H. Bibliography on thermal high flux reactors, 23:33086 (KFK-719)
HOMMA, S. Measurements of π^+ photoproduction cross sections for incident gamma-ray energies of 2.0 to 5.0 GeV, 21:27295
Photoproduction cross sections for π^+ and K^+ mesons at 3.4 to 4.0 GeV and their comparison with SU(3), 21:29423
Present status of postirradiation examination facility, 25:4298
Present status of postirradiation examination facility of JAERI, 25:51780
Search for leptonic quarks, 21:37664
Total absorption type lead glass Cherenkov counter with high resolution, 25:42154
Wide-angle electron-positron pair production, 22:50283
HOMMA, Saburo Photoproduction of π-mesons from nuclei, 24:18066
Photoproduction of two neutral pions from hydrogen near threshold, 25:19890
HOMMERICH, K. W. Leukoplakia of the vocal cords in radiotherapy, 23:29707
Radiotherapy of vocal-cord leukoplakia, 25:26868
HOMOLKA, George A. J. Bubble rise velocities in two dimensional gas fluidized beds from pressure measurements, 23:50025 (RPI-3639-11)
HOMSY, George Low conductivity cooling water systems, 23:28090
HOMUTH, E. Fred Strain effects of nuclear explosions in Nevada, 25:21224
HOMYAK, L. Circulating He capsule for fuel element tests, 24:18703 (CONF-690910-, pp 197-209)
HOMYAK, Len Experiment design studies for fuel pin development, 24:18704 (CONF-690910-, pp 210-20)
HONAKER, William C. Uniformity of proton beams available at NASA synchrocyclotron (SREL), 22:37231 (N-68-16785)
Uniformity of proton beams available at NASA synchrocyclotron, 22:51935
HONBO, D. Lung scanning with /sup 99m/Tc ferric hydroxide macroaggregates, 24:34428 (UCRL-19786)
HONBO, Deanna S. Ferric hydroxide macroaggregates Technetium-99m, 24:9889
HONCARIV, R. Changes in some quantitative characters on barley after chronic irradiation, 21:16520
Chlorophyll mutations after low doses of chronic irradiation of barley, 22:51547
HONCARIV, Robert Conference on mutational process, Prague, 8/65, 21:16334
HONDA, H. Electrical discharge sintering and graphitization of carbon powders, 22:13051
HONDA, K. Kinetic isotope effect in the sulfonylation reaction, 22:16512
HONDA, M. Effects of cosmic rays on meteorites, 22:5178
Neutron activation for ^{53}Mn in meteoritic iron, 23:37927
HONDA, Masaaki Genetic recombination of bacteriophage T4. I, 24:29737
HONDA, Masatake Distribution of rare earths among component minerals of Bruderheim chondrite, 21:40789
Electrolytic fractionation of Ca isotopes, 22:4244
Isotopic measurement of chromium induced by cosmic rays in iron meteorites, 21:1979
Manganese-53 produced by 730 MeV proton bombardment of Fe, 25:21064
Measurements of the isotopic ratio of boron, 25:54432
New outer-terrestrial substances. II, 25:30249
Pattern of bombardment-produced radionuclides in rock 10017 and in lunar soil, 24:20723
HONDA, Mitsuyoshie Basal cell carcinoma on x-ray burdened skin, 21:36690
HONDA, T. Chromosome aberrations and culture time, 23:41298
Direct reaction mechanism in $^{11}B(p,\alpha)$ reaction, 25:38891
Heats of hydrolysis of thorium carbides, 25:29966
Interaction mechanism in the $^{11}B(p,\alpha)^8Be(0^+)$ reaction, 25:17752
Nuclear reactions (Li,α) and cluster structure of light nuclei, 22:26879
Nuclear reactions (t,p) for light nuclei and nuclear structure, 22:26889
Radiation damage studies of graphite in Japan, 25:52465 (A/CONF.49/P-245)
HONDA, Takao Nuclear fission. III, 21:44766
Stiffness of fission fragments, 21:13905
HONDA, Takashi Angular dependence in honey comb collimator, 21:32094
Studies on the intralymphatic localization of radioactive materials, 23:41211
HONDA, Takeo Chromosome aberrations in leucocytes older survivors of atomic bombings, 22:12868
Thermodynamic and electric properties of combustion products for MHD generators, 22:47874
HONDA, Toshio Changes of physical and mechanical properties of graphite in the Tokai Nuclear Power Station, 25:32861
Changes of thermal shock parameter of graphite in Tokai Nuclear Power Station, 25:50883 (JAERI-13510)
Heat treatment temperature of graphite, 24:10162
Oxidation of UC and UN powder in air, 23:6718
Porosity dependence of elastic modulus of uranium nitride, 23:25004
Process for preparing nuclear fuel elements of dispersed-in-graphite type, 22:23884
HONDA, Tsuyoshi Heavy-particle stripping reaction in the elastic and inelastic scatterings of ^3He and ^3T by light nuclei, 24:1756
HONDA, Y. Behavior of a thermally conducting layer of bismuth between the can and powdered ceramic fuel, 24:44751 (KFK-tr-321)
Development of grid spacer for fast reactor fuel elements, 25:48355
Steel irradiation capsule and rig, 21:20537 (CONF-660511-, pp 1.4.1-9)
HONDA, Yoshihide Alpha emitters in foods, 23:26191

  - Behavior and distribution of radioactive substances in coastal and estuarine waters, 25:34760
  - Determination of arsenic in biological materials by activation analysis, 22:48
  - Radiation hazard control system, 23:41326
  - Radioactivities in sea near the Goto Islands, 25:29241
  - Release of radioactivities from ion exchange resins into sea water, 23:11676
- HONDA, Yutaka Behavior of bismuth bonding between powder compacted ceramic fuel and cladding, 23:8313
- HONE, D. Ground state of a superconductor with a single magnetic impurity, 22:1091
- HONECK, H. C. Alphameric displays in nuclear reactor computations, 25:6202
  - Basic theory and concepts, 24:33541
  - Data management for multiaccess computational systems, 23:38348 (CONF-690401-, pp 471-80)
  - ENDF/B cross section preparation and testing in the JOSHUA system, 25:36737 (TID-25690)
  - ENDF/B cross section preparation and testing in the JOSHUA system, 25:57176 (CONF-710302-(Vol.2), pp 1024-30)
  - HAMMER system: heterogeneous analysis by multigroup methods of exponentials and reactors, 21:17518 (DP-1064)
  - Integral transport theory methods in the JOSHUA system, 25:41182
  - Joshua lattice physics subsystem, 25:28801 (DP-MS-70-78)
  - JOSHUA: reactor physics computational system, 23:40438 (CONF-690401-, pp 324-36)
  - Spatially dependent thermal neutron spectra, 22:29865
- HONECK, Henry C. ENDF/B: specifications for an evaluated nuclear data file for reactor applications, 22:3586 (BNL-50066)
- HONECKER, R. Application of the Veneziano model with pion and Pomeron exchange to the reaction $K^- p \rightarrow$ nc, 25:3386
  - Detection efficiency of a plastic scintillator for neutrons between 0.2 and 3 MeV, 21:8601
  - Four-momentum transfer distributions of nucleons in π^-p interactions at 16 GeV/c, 25:50074
  - Four-pion decay mode of D(1285) meson in π^{+-}p reactions at 16 GeV/c, 25:27964
  - Neutron—neutron coincidence spectra from ^{3}H(n,2n)^{1}H reaction at 14.1 MeV, 22:7633
  - Neutron—neutron scattering length from neutron spectra of reaction ^{3}H(n,2n)^{1}H, 24:3841
  - Particle production in 16 GeV/c π^-p interactions, 24:3542
  - Reaction $K^-p \rightarrow p$ anti $K^0\pi^-$ with the Veneziano model, 24:52108
- HONEGGER, H. Radiation cataract after Thorium X, 24:42018
- HONEKAMP, J. R. Effect of exposure to sodium of defected mixed-oxide fuel elements, 25:39999
- HONER, Ronald Charging machines for nuclear reactors, 21:34382
- HONERKAMP, J. Application of Riemann method to the Bethe—Salpeter equation, 22:34885
  - Bootstrap models for Regge-trajectories, 22:46413
  - Chiral-invariant perturbation theory, 25:33711
  - Crossing-symmetric finite-energy sum rules, 22:53034
  - Electromagnetic meson decays, 25:3316
  - Non-linear realization of SU(3) x SU(3), 23:23512
  - Spontaneous breakdown of SU$_3$ x SU$_3$ to U$_2$, 24:24418
  - Spontaneous symmetry breaking mechanism of SU(3) x SU(3), 23:42701
- HONERKAMP, Josef Solution of Bethe—Salpeter equation with help of Riemann method, 21:37721 (NP-16895)
- HONES, E. W. Characteristics of plasma sheet in earth's magnetotail, 21:11524
  - Simultaneous observations of an energetic electron event in the magnetotail. I, 25:7278
- HONES, E. W. Jr. Association of magnetotail phenomena with visible auroral features, 25:55955
  - Energetic electron fluxes in magnetotail associated with onset of magnetospheric substorms, 25:56044
  - Energy spectra and angular distributions of particles in the plasma sheet, 25:11809
  - High-energy x rays from solar flare, 7/7/66, 22:13148
  - Magnetospheric substorm of August 25—26, 1967, 25:30368
  - Magnetospheric substorms on Sept. 14, 1968, 25:56025
  - Observations of electrons in magnetotail, 23:5311
  - Observed correlations between electron bursts in the magnetotail and electron precipitation in the auroral zone, 22:52652
  - Outward flow of plasma in the magnetotail following geomagnetic bays, 22:5230
  - Particle bombardment of polar atmosphere, 24:37304 (AD-702854)
  - Poleward expansion of the auroral oval and associated phenomena in the magnetotail during auroral substorms, 25:7303
  - Relations between electrons at 17 earth radii in magnetotail and absorption events in D region, 22:34429
  - Simultaneous observations of an energetic electron event in the magnetotail. II, 25:7279
  - Time variations of the magnetotail plasma sheet, 25:43240
  - Very high energy solar x rays observed during the proton event of July 7, 1966, 23:22800
- HONES, Edward W. Jr. Adiabatic motions of charged particles in dipole model of magnetosphere, 21:7117
  - Electric field in the magnetosphere as deduced from asymmetries in the trapped particle flux, 24:39953
  - Electric fields and plasma convection in the magnetosphere, 22:34488
  - Experimental observations in the magnetotail during an interplanetary disturbance, 25:27546
  - Influence of earth's rotation upon interaction of solar wind with magnetosphere, 21:2116
  - Magnetotail plasma and magnetospheric substorms, 24:42572
  - Particle measurements made by the Vela satellites in the magnetotail, 22:15409 (LA-DC-9344)
  - Particle measurements made by Vela satellites, 23:44275
- HONES, M. J. Reaction $\pi^+p \rightarrow p\pi^+\pi^+\pi^-\pi^0$ at 18.5 GeV/c, 24:45440
- HONETZ, N. Investigation of uptake of trace metals in normal and leukemic cells, 23:48088 (SGAE-BL-32/1969)
- HONEY, R. C. Ruby laser retinal damage, 22:19403
  - Thresholds of laser eye hazards, 23:50895
- HONEY, Richard Effect of laser radiation on dermal tattoo pigment in man, 22:10691
- HONEY, Richard C. Thresholds of laser eye hazards, 24:21318
- HONEY, Vincent J. Single- and double-electron capture by 7.7- to 166-keV ^{3}H^{++} ions in N$_2$, 22:13230
- HONEYCOMBE, R. W. K. In-situ transformation of Fe$_3$C to Mo$_2$C in Fe—Mo—C alloys, 22:28830
  - Plastic deformation of metals, 22:38557
- HONEYCUTT, C. R. Elevated temperature fatigue of TZC molybdenum alloy, 21:26798 (NASA-CR-72241)
  - Elevated-temperature fatigue of TZC Mo alloy under high-frequency and high-vacuum conditions, 21:45901
  - Prog. rpt. on elevated-temperature fatigue data on refractory in ultra-high vacuum, 4—7/66, 21:3487 (NAS-CR-72039)
  - Thickness measurements in alloys used for advanced gas turbine engine airfoils, 25:21263
- HONEYCUTT, R. Kent Interstellar reddening law in direction of Ara OB1, 24:35129
  - Observations of Nova Serpentis 1970, 25:40194
- HONEYCUTT, W. Mage Sunlight and skin, 21:34753
  - Sunlight and skin. II, 21:36742
  - Sunlight and skin. III, 21:26579
- HONEYWELL, W. R. Column flotation of U from Elliot Lake ore, 22:30650 (NP-17459)
- HONG, B. H. Tumor localizing agents. IV, 22:36337
  - Tumor-localizing agents. V, 25:6743
- HONG, C. Y. Determination of percent contents of U and Th in natural radioactive ores by γ-ray spectrometry, 25:18365
- HONG, Chang Gi D. Liver scan using /sup 113m/ In colloid, 25:4687
  - Preparation of /sup 113m/In colloid as scanning agent and its organ distribution in rats, 25:4437
- HONG, Hwei-kwan Electronic states of heavily doped molecular crystals: naphthalene. I, 24:22656
  - Electronic states of heavily doped molecular crystals: naphthalene. II, 25:15599
- HONG, J. H. Nonlinear dynamic analysis of shells of revolution by matrix displacement method. report 69-77, 24:20673 (SC-CR-70-6070)
- HONG, Nguyen Thi Diffraction peak for particles with arbitrary spins, 23:10774
- HONG, Richard Bone marrow transplantation, 25:16059
  - Mammalian homologue of the avian bursa of Fabricius. II, 24:25414
- HONG, Soon-woo Studies on radiation sensitivity. I, 22:36329
- HONG, William Jong-jau Studies of recrystallization in dilute alloys of magnesium, 25:4808
- HONG, Woon-woo Effects of absorbed radioactive S in plant cell. III, 25:47042
- HONG-MO, Chan Decay pattern of high-spin resonances in generalized Veneziano model, 25:45740
  - Exotic reactions in inclusive experiments, 25:47888
  - Recent topics on hadron collisions, 24:18149 (CERN-69-29, pp 1-30)
- HONGO, M. Hall angle of dirty type-II superconductor, 24:8401
- HONGO, S. Distribution and excretion of inhaled Eu, 24:31819
- HONGO, Shozo Characteristics of personal air samplers, 25:382
- HONGO, Shyozo Determination of europium in biological materials by neutron activation analysis, 25:37332
- HONGO, Syozo Multi-hole-collimator for α-ray detection, 24:20989
- HONGOH, M. Differential cross-section and recoil proton polarization of eta-meson photoproduction at 890 MeV, 25:47716
- HONIG, A. Degree of attenuation in broad radiation beams in Pb, steel, concrete, and water, 22:26446
  - Highly spin-polarized proton samples: large, accessible, and simply produced, 22:1336
- HONIG, A. L. 1000-MWe LMFBR accident analysis and safety system design study. Candidate emergency decay heat removal systems. Topical report, 25:28732 (BAW-1351)
- HONIG, Arnost Examination of the homogeneity of concrete structures in a nuclear power station, 21:41170
- HONIG, H. 1000-MWe LMFBR accident analysis and safety system design study. Topical report. candidate secondary containment support systems, 25:28730 (BAW-1349)
  - Babcock and Wilcox 1000-MWe LMFBR follow-on study reference design, 23:47159 (ANL-7520(Pt.2), pp 215-39)
- HONIG, J. M. Electrical resistivity of NbO, 25:19868
  - Plasma resonance in TiO, VO, and NbO, 25:14462
  - Properties and band structure of LaInO$_3$, 23:27194
  - ReO$_3$ band structure in tight-binding approximation, 23:44548
- HONIG, Linda M. Secondary isotope effects for solvolyses leading to classical norbornyl cations, 22:40082
- HONIG, Milton L. Deuterium isotope effects on thermal cyclobutene isomerizations. An investigation of competitive conrotatory ring openings, 25:54568
- HONIG, Milton Leslie Synthesis and isomerization of deuterated cyclobutenes, 25:26219
- HONIG, R. E. Gelatin-free ion-sensitive plates for mass spectrography, 22:4530
  - Response of ion-sensitive plates as a function of ion energy, 22:4529
- HONJI, Masahiro Energy dissipation of electrons in Al and Cu targets, 25:14400
- HONJO, I. Chromatographic studies on rapidly labeled RNA prepared from ultraviolet-irradiated Pseudomonas effusa, 21:32578
- HONJO, Ichio Positive scintiphotography of cancer of the liver with ^{67}Ga citrate, 25:58045
- HONJO, Katsuhiko Spectrophotometric determination of small amounts of phosphorus in iron and steel by solvent extraction, 22:30481
- HONJO, Takaharu Nondestructive determination of Si (silica) in marine sediments by fast neutron activation, 22:21042
- HONJYO, Takaharu Effect of carboxylic acid on solvent extraction of Eu(III) with BFA, 23:40836
  - Synergistic effect in solvent extraction, 22:8178
  - Synergistic effect in solvent extraction of Sc β-diketone TOPO system, 23:26350
  - Synergistic effect in solvent extraction, 24:29369
  - Synergistic effect in solvent extraction, 24:29367
- HONKA, E. K. Design of a feedback-shift-register pseudo-random signal generator for impulse response measurements, 23:33554 (WANL-TME-841)
  - Limiters in NERVA reactor control, 22:1844
  - NERVA reactor transfer-function measurements with cross-correlation techniques, 21:30120 (CONF-660206, pp 285-314)
- HONKARANTA, T. Projection model for ground bands of even—even nuclei, 24:35876
- HONKAVAARA, T. Proceedings of the first Nordic meeting on medical and biological engineering, Otaniemi, Finland, 1/70, 25:29584
- HONMA, Hisao Relations between ratio of fibers and tensile strength in W-fiber-reinforced Al composites, 24:12398
  - Strength of tungsten-fiber-reinforced aluminum composites at high temperatures, 21:41585
- HONMA, Kenzo Irradiation tests of domestic Zircaloy-2 cladding materials in JPDR, 25:12862 (JAERI-Memo-4192)
- HONMA, Saburo Photoproduction of charged mesons from atomic nuclei, 24:18069
  - Photoproduction of charged mesons from nucleus, 24:18071
- HONMA, Takashi Simultaneous determination of O, F, and Al in Al electrolytic bath by fast-neutron activation, 25:54503
- HONMA, Takuya Conductivity of a gas with suspension and its application to MHD generation, 22:19814
  - Conductivity of a gas—solid mixture, 22:47877
  - Electrical characteristics and the behavior of MHD flow in a Hall generator, 22:47873
  - One-dimensional flow in the Hall-type MHD generator, 23:12611
- HONMA, Toshio Behaviors of flux CaCl$_2$ in Ca-reduction process of ThO$_2$, 21:34876
  - Studies on the reduction of thoria by calcium, 21:25830
  - Studies on the reduction of thoria by calcium, 22:4080
- HONNELL, R. Synthesis and fabrication of carbide fuels, 24:6249
- HONNOLD, V. R. Prog. rpt. on design effects on radiation resistance of transistors, final, 7/1/65—6/30/66, 21:12734 (AD-641406)
  - Prog. rpt. on effect of transistor design parameters on radiation response, final, 12/15/64-12/15/65, 21:1969 (AD-632716)
  - Prog. rpt. on radiation effects in thin-film transistors, 9—11/66, 22:415 (AD-648453)
  - Transient high-energy radiation response in the thin-film transistor, 21:6394
  - Transistor design effects on radiation resistance, 21:16258 (N-66-36115)
  - Transistor design effects on radiation resistance, 23:16178 (N-68-33767)
- HONNOLD, Vincent R. Prog. rpt. on radiation effect on power transistors, 1/1/66—3/31/66, 21:6897 (AD-635218)
- HONNORAT, Raymond Improvements in or relating to the manufacture of elements for nuclear reactors from metal strips or ribbons and the products obtained thereby, 21:19515
- HONODEL, C. A. Prog. rpt. on light armor program, 6/69, 24:16403 (UCRL-50694)
- HONODEL, Charles Approach to the study of light armor, 21:35824 (UCRL-50284)
- HONOLD, E. Design of the internal axial pump, 24:1991
- HONOLD, Ernst Main coolant pumps in nuclear power plants, 24:9098
- HONORAT, R. Vacuum furnaces and equipment for production of nuclear fuels, 23:17669
- HONORIO, L. Integration of nuclear power stations into small power system with large hydro capacity, 25:53943 (A/CONF.49/P-519)
- HONSA, I. Bromopyrogallol red as colorimetric reagent. IV, 25:8212
- HONSAKER, J. L. Double-stripping study of ^{14}O structure, 24:38105
  - Double-stripping study of ^{14}O structure, 25:50637 (UAE-NPL-1009)
  - $K = {}^1/_2$ and $K = {}^3/_2$ components in ground state of ^{27}Al, 24:13319
  - Proton-pair transfer reactions, 24:43164
- HONSAKER, John L. Study of the ^{6}Li(p,n)^{6}Be reaction by the neutron threshold technique, 21:4216
- HONSTEAD, J. F. Accumulation of ^{65}Zn from consumption of Columbia River fish, 21:8722
  - Bases for environmental survey design. 22:19327 (BNWL-SA-1601)
  - Dietary levels for tricity elementary school children, 25:51268 (BNWL-CC-1565)
  - Quantitative evaluation of environmental factors affecting population exposure near Hanford, 25:6661 (BNWL-SA-3203)
  - Radionuclide burden-diet relationships near a nuclear facility, 23:24626
  - Survey of environmental dose evaluations, 22:43322
  - Transfer of radionuclides to man in vicinity of nuclear facility, 24:7783

Uptake and retention of ^{65}Zn from certain foods, 21:28353
HONSTEAD, John F. Evaluating environmental radiation dose to children in vicinity of Hanford Project 4/65-1/67, 23:16324
Uptake and retention of ^{32}P and ^{65}Zn by consumers of Columbia River fish, 21:22461
HONTEBEYRIE, M. Is s-channel helicity really conserved in rho^0, 25:47794
HONTZEAS, S. Decay scheme of ^{91}Y, 25:46052
Excited states in ^{75}As, 25:14931
Gamma decay of ^{75}Se, 23:40002
Gamma decay of ^{73}Se, 24:28761
Odd Z nuclei in the framework of the intermediate coupling model, 25:46013
Positive parity states in odd Xe isotopes, 24:20412
Positive parity states in odd Xe isotopes, 24:43368
Recoil studies of reaction ^{12}C(p,pn)^{11}C from threshold to 85 MeV, 22:18151
Semi-empirical efficiency equation for Ge(Li) detectors, 23:43539
Unified-model calculations in some Zr isotopes, 25:43938
HONYA, Masura Purification and properties of hydrogenases of different origins, 22:27657
HONZATKO, J. Applicability of ^{36}Cl for verifying the time reversal invariance of nuclear forces, 22:15997
Branching ratios and intensities of some transitions in ^{35}Cl(n,γ)^{36}Cl reaction, 25:10009
Correlation function of γ—γ cascade (0.34 MeV—1.38 MeV) on ^{49}Ti, 21:19205
Gamma-ray spectrum from resonance neutron capture in ^{35}Cl, 21:17323 (UJV-1705)
Iron-57 low-energy states, 25:31270
Linear polarization measurements by Ge(Li) detector, 23:21944 (UJV-2113-F)
Linear polarization of low-energy capture γ-rays from ^{35}Cl(n,γ) reaction, 25:59745
Mixing ratio of the 0.34 MeV (M1 + E2) transition in ^{49}Ti, 22:15998
Search for time-reversal non invariance in strong interactions, 23:1865
Thermal neutron capture gamma-ray transitions in the low-lying states of ^{57}Fe, 22:18168
HONZAWA, T. Ion heating caused by ion-acoustic waves in an ion-streaming plasma, 25:14240
Production of ion stream composed of two components in velocity distribution, 24:42674
Production of quiescent plasmas with T/sub i/ > T/sub e/, 25:9483
HONZAWA, Tadao Ion heating caused by ion acoustic waves in an ion-streaming plasma, 25:30458 (IPPJ-104)
Modified PIG-type plasma source, 25:30543
Production of ion stream composed of two components in velocity distribution, 24:45289
Production of ion stream composed of two components in velocity distribution, 25:7356 (IPPJ-97)
HOOBER, D. Conversion of AGS ring to modular construction, 21:38103
HOOD, B. Extracorporeal irradiation of blood, 23:41480
Extracorporeal irradiation of blood, 24:34142
Preoperative extracorporeal irradiation of blood in human renal transplantation, 23:35667
HOOD, C. H. Uv-induced lethality and mutation in U. hordei sporidia, 23:50429
HOOD, D. W. Determination of gold in geological materials by neutron activation analysis, 25:54488
HOOD, Darl S. Probabilistic treatment of a radioisotopic fuel release in shallow water, 21:36176
HOOD, G. L. Creep measurement during neutron irradiation, 22:4828
HOOD, Henry Scintillation brain scanning in children, 21:22440
HOOD, Jerry A. Effect of neutron irradiation on TRAPATT diode, 24:16942
Effect of nuclear radiation on oxidized silicon surfaces, 21:25740 (SC-CR-67-2571)
HOOD, Jerry Aundos Effect of nuclear radiation on oxidized silicon, 22:11019
HOOD, John Laurence Linsley Improved x-ray gauging apparatus, 23:2532
HOOD, Peter Airborne geophysical methods, 24:44115
HOOD, R. J. Approximate velocity dependence of the total cross section, 24:39877
HOOD, Richard Fred Reactions ^{19}F(d,α)^{17}O at energies of 1.00 to 2.52 MeV, 24:20327
HOODBHOY, Alamin Prog. rpt. on effect of chemical additives on electron density of plasma jets, 12/65—11/65, 21:11601 (AFCRL-66-5)
HOOFMANN, H. Temperature and stress distributions in fuel rod clads with spiral spacers for steam-cooled fast breeders, 23:33052 (EURFNR-607)
HOOFT, G.'t Renormalization of massless Yang—Mills fields, 25:59571
HOOGENBOOM, A. M. Data acquisition system with mass storage, 25:49056
HOOGENBOOM, I. Liquid metal bearings technology for large, high-temperature, sodium rotating machinery. Fourth topical report. Development and test of a high-temperature proximity probe for use in liquid sodium, 25:44728 (NYO-3930-11)
Liquid metal bearings technology for large, high-temperature, sodium rotating machinery. Fifth topical report. Development and test of high-temperature film pressure instrumentation for use in liquid sodium, 25:46651 (NYO-3930-12)
HOOGENBOOM, L. Prog. rpt. on liquid metal bearings technology, 8—10/68, 23:11692 (NYO-3930-3)
Prog. rpt. on liquid metal bearings technology, 11/68—1/69, 23:21856 (NYO-3930-4)
Prog. rpt. on liquid metal bearings technology, 2—10/69, 24:14129 (NYO-3930-6)
HOOGERBRUG, H. R. Neutron energy distribution of a sealed neutron generator tube, 25:50618
HOOGEVEEN, Joh. Th. Thermoconductometric investigation of phosphatidylcholine in aqueous tertiary butanol solutions in the absence and presence of metal ions, 25:26272
HOOGLAND, W. Baryon exchange in K$^-$p $\rightarrow$ $\Lambda\omega$ and K$^-$n $\rightarrow$ $\Sigma\omega$ at 3 GeV/c, 25:1423
Coherent K$^-$d interactions, 23:36838
Evidence for B(1220) production in an analysis of reaction K$^-$d $\rightarrow$ p/sub s/$\Lambda\pi^+\pi^-\pi^-\pi^0$ at 3 GeV/c, 25:12118
I = $^3/_2$ Kπ elastic-scattering cross section from the reaction K$^-$n $\rightarrow$ pK$^-\pi^-$ at 3 GeV/c, 25:3278
Measurement of the lifetimes of the Σ^{+-}-hyperons, 25:14546
Reactions K$^-$n $\rightarrow$ K^{*-}n and K$^-$n $\rightarrow$ anti K^{0}N^{*-} at 3 GeV/c, 24:15483
Reactions K$^-$n $\rightarrow$ K^{*-}n and K$^-$n $\rightarrow$ anti K^{0}N^{*-} at 3 GeV/c, 24:49329
HOOGTERP, J. Carlton Unreflected Plexiglas—graphite—U critical measurements, 22:33058
HOOK, J. L. Ground based auroral observations coordinated with simultaneous satellite measurements, 23:16704 (AD-672848)
Morphology of auroral zone radiowave absorption in Alaska sector, 22:41460
Simultaneous measurements of electron content and charged particle precipitation in a region of auroral activity, 22:5274
Total electron content and its variations in the auroral-zone ionosphere during winter, 22:2943
HOOK, W. A. Antibodies to x-irradiated rabbit testes, 21:12968
HOOKE, W. H. Discussion of ionization effects on the propagation of acoustic-gravity waves in the ionosphere, 24:26082
Divergence of ion velocity in the E region due to vertical winds, 25:27610
Traveling ionospheric disturbances observed at the magnetic equator, 25:40467
Wave-induced fluctuations in ionospheric electron content, 25:7246
HOOKE, W. M. Production of quiescent discharge with high electron temperatures, 22:20023
HOOKE, William H. E-region ionospheric irregularities produced by internal atmospheric gravity waves, 23:27508
E-region temperatures as revealing reversible heating by atmospheric tides, 23:23017
Electron, ion, and neutral-gas temperatures in temperate-latitude sporadic-E layers, 23:27507
Ionospheric response to an isotropic spectrum of internal gravity waves, 25:14121
Ionospheric response to internal gravity waves. I, 24:51546
Ionospheric response to internal gravity waves. II, 25:7294
Ionospheric response to internal gravity waves, 25:7295
Quasi-stagnation levels in the ion motion induced by internal atmospheric gravity waves at ionospheric heights, 25:11800
HOOKE, William M. Observation of ion cyclotron waves in a hot plasma, 23:30593
HOOKER, C. A. Current-induced anomalous behavior in cylindrical plasma column, 22:26381 (NP-17439)
Interference of characteristic waves in plasmas, 22:19967 (NP-17342)
Interference of characteristic waves in plasmas, 22:34706
Microwave interferometry for plasmas and method for determining collision frequency, 22:19947 (NP-17340)
Propagation of circularly polarized waves in magnetized plasma, 22:19966 (NP-17341)
Propagation of transverse electromagnetic waves in a magnetized laboratory plasma, 22:17679
Propagation of transverse electromagnetic waves near to electron cyclotron resonance in a magnetized laboratory plasma, 22:19965 (NP-17339)
Refraction of microwaves obliquely incident on a plasma slab, 22:19968 (NP-17343)
HOOKER, Harris H. Electrical connector for use in liquid metal, 23:50010
HOOKER, J. R. Fort St. Vrain proof test element, 22:44818 (GAMD-8552)
Irradiation performance of fuel rods containing coated particles, 24:33327
Process studies for loading bonded bed fuel rods, 23:14379 (GAMD-8330)
Processing studies to reduce Fe iron content of nuclear grade graphites used in PSC core, 22:21752 (GAMD-8342)
HOOKER, John C. Optimum sampling methods, 22:16364 (SC-CR-67-2752)
HOOKER, M. P. Adsorption on Nb(110), Ta(110), and V(110) surfaces, 21:28726
LEED study of CO and CO$_2$ adsorption on Mo(110), 22:2082
LEED study of growth of aluminum films on Ta(110) surface, 22:7368
Oxygen-2 and CO interaction with Al films grown on Ta(110), 22:28744
HOOKER, P. A. Behavior of irradiated boll weevils. I, 23:10040
HOOKER, W. J. Shock tube studies on two-phase systems, 23:48613
Techniques for conducting shock tube experiments with mixtures of ultrafine solid particles and gases, 21:34542
HOOKS, Kenneth R. Fuel-plate temperature measurements at the Air Force Nuclear Engineering Test Facility, 21:35740
HOOLEY, B. Precision alignment of a large beam transport system, 21:38108
HOOP, B. Jr. Analyzing power of helium for neutrons, 21:21423
Computer processing and display of positron scintigrams, 23:33417
Interaction of 14.7-MeV neutrons with ^{238}U and ^{232}Th, 23:19299
Phase shifts for neutron-alpha scattering at 25 and 28 MeV, 21:42553
HOOPER, A. T. Gas-cooled fast reactor using coated particle fuel, 22:42215
Gas-cooled fast reactor with direct-cycle potential, 23:37510
Nuclear reactors for underwater power, 22:48715 (AERE-R-5500(Vol.2), pp 498-511)
Use of dust suspensions in closed cycle magnetohydrodynamic electrical generation systems, 21:41851 (AEEW-M-755)
HOOPER, A. W. Correlation of critical frequency f$_0$F2 between a pair of mid-latitude magnetically conjugate points, 24:8391
HOOPER, Alan Thomas Improvements in or relating to nuclear fuel bearing bodies, 22:18615
Improvements in or relating to nuclear reactors, 25:54076
Improvements in or relating to power generating plant, 23:17241
Improvements in tubular heat exchangers, 23:40937
Improvements relating to nuclear reactors, 22:25051
HOOPER, Andrew Inversion phenomenon in radio-star scintillation, 22:52663
HOOPER, C. F. Jr. Asymptotic electric microfield distributions in low-frequency component plasmas, 22:26423
Comments on ion microfield distributions as used in plasma line broadening theories, 23:10615
Low-frequency component electric microfield distributions in plasmas, 22:9357
Low-frequency component electric microfield distributions in plasmas, 22:39063 (N-68-12828)
Relaxation theory of spectral line broadening in plasmas, 21:29238
HOOPER, E. B. Parasitic instability generated by steady-state oscillations in a reflex arc plasma, 25:19707
HOOPER, E. B. Jr. Assessment of neutral injection for the superconducting levitron, 25:17125 (UCRL-50976)
Characteristics of a reflex arc: low magnetic field mode, 25:19666
Correlation techniques in experimental plasma physics, 25:19664
Cross field convection of plasma in a partially ionized gas, 24:10502
E x B instability in auroral arcs, 25:52727
High speed correlator, 22:28219
Plasma production and heating in the superconducting Levitron, 25:38446 (CONF-710607-9)
HOOPER, F. C. Vapor bubble growth on a heated wall, 24:16778
HOOPER, Frank F. Prog. rpt. on nutrient cycling and productivity of dystrophic lake-bog systems, 12/69, Pt. A, 24:13663 (COO-1771-2)
HOOPER, G. H. S. Gamma sterilization of the Mediterranean fruit fly, 25:29743
Pre-release phase of the 1969 Mediterranean fruit fly suppression experiment in Italy, 25:24509
Sterilization of the Mediterranean fruit fly, 25:24506
HOOPER, H. O. Asymmetric NMR line shapes due to nuclear quadrupole and anisotropic shift interactions, 25:5222
Gradient elastic tensor in sodium iodide by NMR, 22:9465
Magnitude of ^{51}V nuclear electric quadrupole moment, 24:38173
NMR study of Nb—N system NbN/sub x/, 23:34509
Nuclear magnetic resonance study of the crystalline compounds of the NbBe/sub x/ system, 25:3220 (COO-1700-12)
Prog. rpt. on atomic structure and nature of magnetism in several magnetic glasses, final, 9/70, 25:1992 (COO-1700-16)
HOOPER, J. R. Steady-state and dynamic operating characteristics of a simulated three-loop space Rankine-cycle powerplant, 21:6130 (NASA-CR-625)
HOOPER, J. W. Absolute experimental cross sections for excitation of Ba$^+$ ions by electron impact, 24:47014 (ORO-3027-17)
Absolute experimental cross sections for the ionization of singly charged barium ions by electron impact. Technical summary report, 25:16799 (ORO-3027-18)
Prog. rpt. on excitation and ionization of ions by electron impact, 6/67—4/68, 22:31599 (ORO-3027-13)
Prog. rpt. on excitation and ionization of ions by electron impact, 9/1/68—5/31/69, 23:32156 (ORO-3027-15)
Prog. rpt. on excitation and ionization of ions by electron impact, annual, 9/69—5/70, 24:37220 (ORO-3027-16)
Prog. rpt. on excitation and ionization of ions by electron impact, 9/70—5/71, 25:35833 (ORO-3027-19)
Prog. rpt. on the excitation of Ba ions by electron impact, 6/1/65—1/31/68, 22:19738 (ORO-3027-12)
Relative experimental cross sections for excitation of Ba$^+$ ions by electron impact (8.0 to 98 eV), 23:12547
HOOPER, M. B. Investigation of the shape of the proton spin-orbit potential, 21:21612
Isospin coupling in deuteron stripping reactions, 25:28462
HOOPER, R. A. E. Study of the electrochemistry and morphology of electro-deposited nickel—molybdenum alloys, 25:58256
HOOPER, R. J. Flux synthesis using modified Green's function modes, 21:7912
Flux synthesis using modified Green's function modes. 21:13784 (KAPL-P-3181)
Numerical evaluation of spatially dependent dynamic reactor systems, 24:4156
Numerical evaluation of spatially-dependent dynamic reactor systems using pseudorandom signals, 23:33110 (KAPL-P-3812)
HOOPER, Richard J. Numerical evaluation of spatially dependent dynamic reactor systems, 23:37741
Verification of a xenon spatial stability criterion, 22:32883

Verification of a xenon spatial stability criterion, 23:4441
HOOPES, John E. Management of treatment for oral cancer, 23:41364
HOORY, S. Identification and classification of the $3p^63d$—$3p^53d4s$ transitions in Co IX, Ni X, and Cu XI, 24:30093
HOORY, S. E. Adsorption of hydrocarbons on graphitized carbon, 21:41653
HOOT, C. G. Epithermal-neutron capture gamma rays from shield materials: depleted uranium, 25:5776
  Facility for measuring cross sections of (n,xγ) reactions using an electron linac, 23:44769
  Gamma-ray production cross sections measured with a LINAC, 23:3872
  Gamma-ray production cross sections for the ^{16}O(n,xγ) reaction from 6.35- to 16.52-MeV neutron energy, 25:12406
  High-resolution (n,xγ) cross-section measurements using Linac, 25:5657
  Measurement of gamma-ray production cross sections using a LINAC, 23:5912
  Measurement of gamma-ray production cross sections for nitrogen and oxygen, 23:49322 (AD-689388)
  Nearly monoenergetic source of 6.129 MeV gamma rays for Ge(Li) detector calibration, 24:4440
  Neutron capture gamma ray facility, 23:38308
  Neutron capture gamma ray facility using an electron linear accelerator, 23:21182 (GA-9221)
  University of Minnesota polarized proton source, 22:39525
HOOT, Charles G. Coherence effect in (p,^{3}He) reactions, 22:20728
HOOTMAN, H. E. Californium-252 shielding guide, 25:27828 (DP-1246)
  Dose rate estimation for neutron source shielding and applications, 25:50612 (CONF-710402-(Vol.2), pp I.182-6)
  Estimation of ^{252}Cf shielding requirements, 24:42746 (DP-1232)
HOOTON, B. W. Beta decay of ^{35}Ar, 25:34056
  Coulomb excitation of ^{28}Si projectiles, 23:46946
  Coulomb excitation of ^{45}Sc, 23:40019
  Coulomb excitation of first excited state of ^{28}Si, 23:49372
  Energy levels of ^{19}F and ^{19}Ne, 23:7241
  Energy loss of oxygen and sulphur ions in matter, 22:7163
  Heavy ion nuclear physics, 25:5817
  Level structure of ^{35}Cl, 24:38199
  Reaction ^{18}O(^{3}He,n)^{20}Ne and ^{7}Li(^{3}He,n)^{9}B, 24:52421
  Reorientation effect in ^{24}Hg, 24:26606
  Reorientation measurements in ^{24}Mg and ^{28}Si, 24:49810
  Static quadrupole moment of first excited state in ^{24}Mg, 23:17089
HOOTON, I. N. Associative analysis in a small computer, 21:20003
  CAMAC multi-user system, 23:41115 (EUR-4289, pp 305-6)
  CAMAC system of modular instrumentation, 23:41126 (EUR-4289, pp 379-83)
  Data transfers and demand handling in multicrate CAMAC systems, 24:39404
  Display of statistical data from nuclear counting experiments, 22:329
  Improvements in or relating to video-signal digitisers, 23:7912
  Mean rate analysis of multichannel nuclear data, 22:330
  Mean rate analysis with PDP8 computer, 21:30022 (AERE-R-5425)
  Modular data highway systems, 24:7676 (CONF-690301-, pp 394-412)
  Modular instrumentation system for computer aided measurement and control, 24:7680 (CONF-690301-, pp 466-71)
HOOTON, Ivor Noel Coded information analysing arrangements, 22:43188
HOOTON, N. A. Conference on sintering and related phenomena, Notre Dame, Ind. 6/65, 22:31356
HOOVER, D. A. Polyethylene bottles as containers for Pu nitrate, 22:45212 (ARH-SA-18)
HOOVER, D. L. Lithologic logs of UCe-2, UCe-3, and UCe-16 drill holes, Stone Cabin and Monitor Valleys, Nye County, Nev, 23:28998 (USGS-474-9)
HOOVER, D. Q. Energy systems. The MHD combination, 22:2885
  Recent studies of advanced coal burning power plants, 21:41872
HOOVER, J. ARC system cross-section homogenization and modification capabilities, 25:56614 (ANL-7714)
  Fuel cycle analysis system, REBUS, 25:41445
HOOVER, J. I. Pneumatic transfer system and sample rotator for linac irradiations, 22:1544
  Reactions (γ,2n), (γ,αn), and (γ,α2n) on ^{65}Cu and the decay of ^{58}Co, 22:20507
HOOVER, L. J. Influence of neutron energy group structure on fuel cycle analysis of fast breeder reactors, 24:7136
HOOVER, Leo John Thermal cell contribution to reactivity of TRIGA reactor, 23:43159
HOOVER, Scott Role of contamination in the kinetics of oxidation nucleation of tungsten and molybdenum, 25:8841
HOOVER, W. G. Equation of state for dense hydrogen from zero to 10,000°K, 25:19472 (UCRL-50985)
  Shock-wave studies in condensed media, 21:34206 (UCRL-70247)
  Shock-wave studies in condensed media, 23:12345
HOOVER, W. R. Mechanical response of the Ni—Ni$_3$Nb eutectic composite. Part II. Cyclic behavior, 25:35462
  Mechanical response of the Ni—Ni$_3$Nb eutectic composite. Part I. Monotonic behavior, 25:35461
HOOVER, William R. Mechanical response of the Ni—Ni$_3$Nb eutectic composite, 25:49408 (N-70-37044)
HOOVER, William Ringo Monotonic and cyclic mechanical response of the Ni—Ni$_3$Nb eutectic composite, 25:22055
HOOVERMAN, Lois Lynn Wittbecker Maternal-embryonic interactions in the rat as affected by hormones and x-irradiation, 22:47635
HOOYKAAS, J. A. P. Pulmonary irradiation in dogs, 23:22415
HOPE, C. S. Effects of computers on radiotherapy, 24:31996
  Progress in optimization by score functions, 24:31991
HOPE, Lawrence L. Vacuum fluctuations and self-energies in meson theory, 22:32169
HOPE, R. S. ATR water loop operation and maintenance, 24:12351 (BNWL-1223, pp 9.1-2)
  ATR water loop operation and maintenance, 24:34843 (BNWL-1349-1, pp 9.1)
HOPENFELD, J. Characterization of sodium pool fires, 23:47216 (ANL-7520(Pt.1), pp 195-205)
  Corrosion of Type 316 stainless steel with surface heat flux in 1200°F flowing Na, 24:9992 (AI-AEC-12898)
  Corrosion of type 316 stainless steel, 24:36868
  Corrosion of Type 316 stainless steel with surface heat flux in 1200°F flowing sodium, 25:2618
  Corrosion studies of stainless steel in flowing sodium at high heat flux, 23:45998 (ANL-7520(Pt.1), pp 163-70)
  Dynamic mass transfer of stainless steel in sodium, 21:36788 (NAA-SR-12447)
  Effective solubility of stainless steel in Na, 23:50998
  FBR fuel development, fuel cladding, and structural materials, 23:13582 (AI-AEC-12721, pp 211-24)
  Reactor development, 23:13521 (AI-AEC-12721, pp 111-29)
HOPES, R. B. Technique developed to produce strip conductor for superconducting magnet, 22:11372
HOPE-STONE, H. F. Hazards of total cystectomy after supervoltage irradiation of the bladder, 21:12957
  Multiple thyroid adenomata in primary hyperthyroidism in previously irradiated thyroid glands, 21:26655
HOPEWELL, J. W. Demonstration of the oxygen effect in irradiated brain, 24:34666
  Influence of hypertension on latent cerebral irradiation damage, 25:42667
  Nature of latent cerebral irradiation damage and its modification by hypertension, 24:32205
  Vulnerability of developing brain: I. Some lasting effects of x-irradiation, 25:26946
HOPFENBERG, H. B. Novel membranes prepared by radiation grafting of styrene to cellulose acetate, 24:44035
  Radiation protection of poly(vinyl chloride) by N-methyl dithiocarbamate substitution, 25:31988
  Transport of fixed gases in radiation-stabilized poly(vinyl chloride), 25:26280
HOPFENSITZ, G. New circular polarization analyzer on the parity mixing in ^{181}Ta, 24:52606
HOPFGARTEN, N. Measurements of cathode heating in a penning discharge in a strongly inhomogeneous magnetic mirror field, 24:47221 (NP-18416)
  Penning discharge in a strongly inhomogeneous magnetic mirror field, 21:31424 (NP-16805)
  Penning discharge in a strongly inhomogeneous magnetic mirror field, 22:52779
HOPFIELD, J. J. Angular momentum and transition-metal superconductivity, 24:6492
  Infrared optics of high-T/sub c/ superconductors, 25:11824
  Isotope effect in very weak itinerant ferromagnets, 22:44231
HOPFINGER, Emil J. Turbulent diffusion of charges arising from unipolar injection into an insulating liquid, 25:33105
HOPFNER, C. Late lesions of lungs of rats following whole-body irradiation. II, 24:50719
HOPKE, P. K. Decay of ^{157}Tb, 21:40453
  Decay of ^{163}Ho, 22:42027
  Decay of ^{193}Pt, 24:11001
  Decay of ^{205}At, 25:14995
  E3 isomer in ^{105}Ag, 24:15932
  E3 isomer in ^{105}Ag, 24:43402
  Isomeric transitions in /sup 179m$_2$/Hf, 24:52631
  Isotope separator on-line at Princeton—Pennsylvania Accelerator, 24:45709
  Level structure of $^{116\ 118\ 120\ 122}$Te, 23:37195 (PPAR-13)
  Level structure of $^{116\ 118\ 120\ 122}$Te, 24:13380
  Levels in $^{119\ 121\ 123}$Te, 24:38295
  Levels in ^{203}Bi, ^{205}Bi, and ^{207}Bi, 23:44888 (PPAR-15)
  Levels in ^{203}Bi, ^{205}Bi, and ^{207}Bi, 24:15933
  Mercury-200 1029-keV level, 22:50602 (PPAR-5)
  Spin of 1029-keV level in ^{200}Hg, 23:25913
HOPKE, Philip K. ^{193}Pt L-electron-capture half-life, 25:50763
  Half-life variations of ^{131}I samples, 25:34104
HOPKE, Philip Karl Studies of selected neutron-deficient isotopes, 25:5748
HOPKIN, James M. Ecology and life history of a population of Sceloporus occidentalis longipes baird on Rainier Mesa, Nevada Test Site, Nye County, Nevada, 25:49118 (COO-1496-109)
HOPKINS, B. D. Isotope shifts in the 4416-A Cd laser, 23:20679
HOPKINS, B. E. Preparation and properties of chromium—zirconium—carbon alloys, 25:24585
HOPKINS, B. J. Comments on an electron diffraction study of Cs adsorption on W, 25:17295
  Determinant of radiosensitivity in chick embryo, 23:16408
  Liquid-helium-cooled trap for ultrahigh vacuum systems, 21:6181
  Properties of vapor-deposited uranium films in ultrahigh vacuum and in hydrogen, 22:10963
  Relationship between surface potential and electronegativity for adsorption on tungsten single crystals, 25:19207
  Retention of ^{90}Sr in rat offspring, 21:41350
  Simultaneous LEED and RHEED studies of growth of Zr on W (100) surface, 25:29847
  Strontium-90 and intrauterine development in the rat, 22:40904
  Surface potential of H on W (100), (110), and (112) single crystal surfaces, 25:27234
  Temperature coefficients of work functions of surfaces of W, 23:25442
  Ultrahigh vacua, 22:21305
  Work function changes due to adsorption of Cl, Br, and I on W single crystal surfaces, 25:19209
HOPKINS, B. J. H. Acute toxic effects of ^{90}Sr in newborn rats, 23:26877 (UR-49-1028)
  Acute toxic effects of ^{90}Sr in newborn rats, 24:23081 (CONF-690501-, pp 517-27)
  Maternal age and ^{90}Sr retention in rat offspring, 25:46689
  Photographic technique for dosimetry using silver activated phosphate-glass plates, 25:37655
HOPKINS, C. Scanning of liver and brain in evaluation of patients with bronchogenic carcinoma, 22:51808
HOPKINS, D. MAGOG: three dimensional, two group diffusion code with burnup, 22:3926 (AEEW-R-531)
HOPKINS, D. C. Entropy of the mixed state of some low-kappa type-II superconductors, 23:42197
  Neutron diffraction and susceptibility study of dilute La—rare earth alloys, 23:10720
HOPKINS, D. E. Effect of selection on Whaxy, 21:6476
  Mutants and linkage groups of the screw-worm fly, 21:14625
  Mutations in the screw-worm fly, 21:8752
HOPKINS, D. G. Frequency dependence of 4C source positions, 24:51328
HOPKINS, D. R. Fuel management in SGHW reactors, 22:22781
  Fuel management in SGHWRs, 23:13396
  OTTER 3: single channel, axial burnup code, 21:21797 (AEEW-R-496)
  Validity of METHUSELAH II in water moderated lattice calculations, 21:30087 (AEEW-R-397)
HOPKINS, Donald B. Low density microwave interferometer system, 24:23045
  Operation of Homopolar Gun II coil system, 21:5272 (UCRL-16997)
HOPKINS, E. N. Study of the beta to alpha transformation in lanthanum, 22:38585
HOPKINS, F. F. Reaction ^{208}Pb(p,α)^{205}Tl at 16.475 MeV, 25:31383
  Strontium-88(p,γ)^{89}Y reaction near the d5/2 ground-state analog, 23:49417
HOPKINS, G. Physics performance of the Peach Bottom HTGR, 21:44834 (GA-8117)
HOPKINS, G. C. DAC2, a two-dimensional S/sub n/ perturbation code, 25:46330 (LA-4703)
  Numerical techniques for studying repetitively pulsed reactor time-dependent behavior, 24:52991 (LA-4505)
  Spatial and spectral coupling effects in multicore reactor systems, 21:40616
  Transfer functions and response for coupled core reflected systems, 21:40602
HOPKINS, G. R. Decay heat and shutdown cooling for Peach Bottom reactor, 21:12132 (GAMD-5632)
  Direct helium-cooling cycle for a fusion reactor, 25:25171
  Physics performance of the Peach Bottom HTGR, 21:35626
  Physics tests during initial operation of Peach Bottom HTGR, 21:38452 (GA-8025)
  Physics tests during the initial operation of the Peach Bottom HTGR, 21:38504
HOPKINS, George C. Analysis of neutron response in pulsed coupled-core reactors, 22:6005
  Calculational methods for repetitively pulsed reactors, 24:7212
  CONVERT: IBM-to-CDC program conversion code, 25:10350 (LA-4555)
  Neutron response analysis in pulsed coupled-core reactors, 23:2082 (LA-3982)
  Numerical study of excursions in UHTREX loaded with U—Th fuel elements, 23:2008 (LA-3959)
HOPKINS, George Clair Pulsed neutron analysis in coupled-core nuclear reactors, 22:25162
HOPKINS, George D. Approach to defining postattack recovery management concepts and techniques, 21:12842 (NP-16536)
HOPKINS, George I. Approach to defining postattack recovery management concepts and techniques, 22:2258 (AD-646627)
HOPKINS, H. Accommodation of radiation swelling in GCFR, 25:6020
HOPKINS, H. C. CRECOL: computer program for estimating creep deformation of slightly oval tubes, 23:51033 (GAMD-9623)
  Depressurization studies for the GCFR demonstration plant, 25:41494
HOPKINS, H. H. Jr. Solvent extraction recovery of americium with dibutyl butyl phosphonate, 21:145 (ISO-SA-7)
HOPKINS, H. W. K. Branching ratio (K/sub L/° → $\pi\mu\tau$)/(K/sub L/° → $\pi e\tau$), 23:42546
  Comparison of isobar production in pp and anti pn interactions at 2.8 GeV/c, 22:3261
  Decay and coherent regeneration of neutral K-mesons in liquid H, 22:24524 (BNL-10312)
  Decay rate and spectra in K/sub L/° → $\pi^+ + \pi^- + \pi^0$, 21:33593
  Production of N*(1400) and anti N*(1400) in reaction anti pp(n) → anti pp$\pi^+\pi^-$(n) at 2.8 GeV/c, 23:8733
  Single and multiple pion production in π^+n and π^-p interactions at 1.7 GeV/c, 21:33618
HOPKINS, Harry P. Jr. Restricted rotation in solid deuteromethanes, 21:8284
HOPKINS, J. C. ^{1}H(n,n)^{1}H scattering observables required for high-precision fast-neutron measurements, 25:43798
  Fast neutron elastic and inelastic scattering from silicon, 23:23657
  n-^{4}He elastic scattering near 20 MeV, 25:45904

  - Phase shifts from n—^{4}He elastic scattering experiments near 20 MeV, 25:5508 (LA-4465, pp 1.1-2)
  - Phase shifts from n—^{4}He elastic scattering experiments near 20 MeV, 25:53576
  - Polarization of 22 MeV neutrons elastically scattered from liquid tritium, 24:15790
  - Polarization of 22-MeV neutrons elastically scattered from liquid tritium and deuterium, 25:5516 (LA-4465, pp 15.1-2)
  - Polarization of 22-MeV neutrons elastically scattered from liquid tritium and deuterium, 25:53548
  - Shadow-bar design for fast-neutron scattering experiments, 22:322
  - TV test package, 22:45353 (LA-3957)
  - Use of Pu—α-Be as a calibrated gamma ray source, 22:36007
- HOPKINS, John C. Calculation of ^{1}H(n,n) differential cross section in energy range 1 to 20 MeV, 21:46660 (LA-DC-8878)
  - Cross section (^{1}H(n,n)) as nuclear standard, 21:27516 (LA-DC-8781)
  - Elastic and inelastic scattering of fast neutrons from ^{6}Li and ^{7}Li, 22:7639 (LA-3765)
  - Elastic and inelastic scattering of fast neutrons from ^{6}Li and ^{7}Li, 22:7645
  - Gamma-ray-production cross sections for fast neutron interactions, 24:35823
  - Scattering of 10 MeV neutrons by ^{6}Li and ^{7}Li, 21:5496
  - Scattering of fast neutrons from ^{10}B, ^{11}B, natural Ge, and ^{93}Nb, 23:37113
- HOPKINS, John Stirton Nuclear reactors, 21:5732
- HOPKINS, Josephine Post-irradiation DNA degradation in Micrococcus radiodurans, 25:16385
- HOPKINS, L. L. Jr. Determination of vanadium by neutron activation analysis at nanogram levels to formulate a low-vanadium diet, 25:8228
- HOPKINS, Leslie Arthur Pressure resisting seal, 24:16751
- HOPKINS, O. Studies of pulmonary function using the scintillation camera and ^{133}Xe for evaluation of topical ventilation and blood flow in man, 22:31120
- HOPKINS, O. L. Xenon-135 study of topographic pulmonary function, 22:51791
- HOPKINS, S. W. J. High-temperature adiabatic drop calorimeter, 21:34262
  - High-temperature adiabatic drop calorimeter, 22:4881
- HOPKINS, Shirley Russell Improvements in fuel handling arrangements, 24:52943
  - Improvements in or relating to fuel handling equipment for nuclear reactors, 25:31582
  - Improvements in sealed journal bearings, 24:36471
- HOPKINS, T. R. Inactivation of crystalline enzymes by photodynamic treatment and gamma radiation, 23:20114
- HOPKINS, Thomas R. Conformational changes in several enzymes during photodynamic inactivation, 22:14907 (COO-875-80)
- HOPKINS, Thomas S. Barotropic tide over continental shelf off Washington—Oregon coast, 25:44459 (RLO-1725-194)
  - Velocity, temperature, and pressure observations from moored meters on shelf near Columbia River mouth, 1967—1969, 25:44458 (RLO-1725-193)
- HOPKINS, V. Dry film lubricants in radiation environment, 22:8851
- HOPKINS, Vern Prog. rpt. on cold molecular welding, 9/15—12/15/66, 22:628 (N-67-18942)
- HOPKINS, W. K. In-motion radiography, 23:38213
- HOPKINSON, A. NEWLIN: program for linearization of sets of algebraic and first order differential equations, 23:40507 (AEEW-R-639)
- HOPKINSON, Eric C. Method and apparatus for calibrating pulsed neutron well logging instrument, 25:35039
  - Method and apparatus for neutron lifetime well logging using dual discrimination within one of two intervals, 25:8359
  - Radioactive well logging system having a multiple conductor cable, 23:26436
- HOPKINSON, J. B. Reactor HIFAR: safety rod circuits, 25:10252 (AAEC/M-9)
  - Reactor HIFAR: safety rod system, 25:10253 (AAEC/M-32)
- HOPKINSON, J. F. L. Application of generalized Veneziano model to reaction anti pp $\to 4\pi$, 23:51931
  - Normalization of anti pp $\to 4\pi$ using dual six-point function, 25:5362
  - Pion—pion phase-shift information from the reaction antipp $\to 3\pi$, 23:10810
  - Representation of the N-point function in generalized Veneziano model, 23:15286
  - Signature and parity of interval trajectories in generalized Veneziano model, 24:5355
  - Some crossing matrices and possible self-consistent multiplets in SU/sub n/, 21:7495
  - Veneziano-model predictions for reaction $e^{+}e^{-} \to 2\pi^{+}2\pi^{-}$, 24:52033
- HOPMAN, H. Low frequency waves in a beam-plasma system, 21:40031
- HOPMAN, H. J. Beam distribution functions at transition 1st—2nd regime in beam—plasma experiment, 25:17156
  - Electron cyclotron instability and high-frequency ionization, 23:23124
  - Evidence for a coherent deceleration of an electron beam during the electron plasma frequency instability, 21:27216
  - Mode coupling near the electron cyclotron frequency, 24:23967
  - Non-linear effects in a beam-plasma system, 21:40032
  - Parameter dependence of low and high frequency instabilities in a beam—plasma experiment, 21:35201 (CONF-670104-Pt.2, pp 447-59)
  - Production of a very quiescent plasma in skipping magnetic fields, 25:59055
  - Three-wave interaction in a beam—plasma system, 25:43407 (N-71-18696)
  - Time resolved beam distribution functions, 23:32363
- HOPMANN, W. Development of short-time camera of high resolution with the Orthikon image, 21:6333 (JUL-290-PP)
  - Digitizing system for fast analog signals, 25:6587 (JUL-695-PP)
  - Rapid recording of the luminosity from a decaying plasma, 21:3861
  - Rapid time- and space resolved measurement of luminous density distributions, 22:48083 (JUL-537-PP)
- HOPPE, A. SNAP-23A EMS-electrical heat source failure analysis, 24:22880 (WANL-3800-24)
- HOPPE, D. Therapy of vulva carcinoma with fast electrons, 22:28587
- HOPPE, Dietrich Diagnosis and therapy of malignant bone tumors, 23:31879
  - Telecobalt irradiation of malignant bone tumors, 21:16390
- HOPPE, Elfriede Radiation-damaged intestine following biaxial telecobalt therapy, 23:38742
- HOPPE, G. Studies on vasoactive drugs with the ^{133}Xe muscle clearance method, 25:10914
- HOPPE, N. Bibliographical review of DNB data in non-uniformly heated channels, 24:16766 (EURAEC-1915)
  - COMETHE II: a computer code for predicting the mechanical and thermal behavior of a fuel pin, 24:46134
  - COMETHE II: computer code for predicting the mechanical and thermal behavior of a fuel pin, 24:7362
  - Fast flux irradiation experiment in MFBS-4: sodium loop of BR-2 reactor at Mol, 25:47182
  - Oxide fuel pins behavior, 25:47180
- HOPPE, Rudolf New ternary oxides of tetravalent rare earths and Th, 21:15897
- HOPPE, W. Process for the fusion of metal oxides, 22:36530
  - Structure analysis using electron microscopes and computers, 25:15970
  - Use of the image difference method for investigation of structural changes of thin carbon foils by electron irradiation, 25:16617
- HOPPE, Walker Melting metallic oxides, especially U dioxide, 22:744
- HOPPE, Walter New method for phase determination using gamma resonance spectroscopy, 25:40830
- HOPPENHEIT, M. Somatic and genetic effects of radiation on marine and fresh water organisms, 24:34607
- HOPPER, A. F. Cell changes in intestine during fast neutron irradiation, 22:40918
- HOPPER, Arthur F. Intestinal epithelium after x irradiation, 21:11001 (BNL-9494)
- HOPPER, Donald M. Tunnel decontamination of fission products, 22:25830 (SC-RR-68-110)
- HOPPER, James Ernest Heat- and x-ray induced inhibition of self-incompatibility in Lilium longiflorum, 25:21955
- HOPPER, M. A. Study of the anodic oxidation of vanadium, 25:35296
- HOPPER, M. J. Description of computer program ICON for calculation of fission product inventories, 25:10236 (AERE-R-6242)
  - Effects of LET and temperature in radiolysis of cyclohexane. II, 25:2280
- HOPPER, P. B. Highly reddened R Coronae Borealis star in NGC 6231, 25:805
- HOPPER, R. Oxidation of Hf—Ta alloys, 21:26758
- HOPPER, V. D. Balloon techniques, 21:38828 (NYO-3747-2)
  - Point source of high-energy cosmic gamma rays, 24:1154
- HOPPES, Dale D. Transition mixing ratios determined from a study of the electron and gamma-ray distributions from oriented ^{192}Ir, 25:7881
- HOPPIE, L. O. Performance of a copper-clad Nb—40 percent Ti superconducting solenoid, 22:46081
  - Performance of stabilized Nb—40 percent Ti in high current density 50 kG superconducting solenoid, 21:37346 (NP-16871)
- HOPPING, J. N. Precision surveying in radioactive areas with TV on theodolite, 21:42479 (BNL-11248)
- HOPPIN III, G. S. Diffusion bonding of superalloys, 24:12386
- HOPPMANN, Roger F. Conduction of electric current between cold electrodes in shock-ionized air plasmas, 21:23179 (ARL-66-0182)
- HOPWELL, J. W. Effect of previous x-irradiation on the response of brain to injury, 21:45816
- HOPWOOD, David A. Fertility variant in Streptomyces coelicolor, 24:4600
  - Ultraviolet-sensitive mutants of Streptomyces coelicolor. I, 25:13414
  - Ultraviolet-sensitive mutants of Streptomyces coelicolor. II, 25:13407
- HOPWOOD, J. E. Multichannel data digitizing and recording system with remote interrogation, 24:53066 (SCL-DR-70-107)
- HOPWOOD, L. E. Deficient DNA synthesis and mitotic death in x-irradiated HeLa cells, 25:32613
- HOQUENHEM, J. C. Beta—γ angular correlations in decay of ^{94}Nb, 23:4036
- HORA, H. Acceleration of inhomogeneous plasmas by laser light, 21:29245
  - Acceleration of inhomogeneous plasmas by laser light, 22:9383 (NP-tr-1605)
  - Confinement and heating of plasma by nonlinear interaction with laser radiation, 23:30517 (IPP-3/87)
  - Laser energy necessary for inertially confined nuclear fusion plasma, 25:19646 (IPP-4/7)
  - Optical constants of fully ionized hydrogen plasma for laser radiation, 24:35434
  - Prog. rpt. on plasma production by high-power Q-switched laser, final, 2/67—1/68, 22:24350 (WERL-3472-9)
  - Prog. rpt. on plasma production by high-power Q-switched laser, 2/1/68—1/31/69, 23:51678 (WERL-3472-14)
  - Survey of studies of laser produced plasmas at the IPP Garching, 25:43380 (IPP-4/9)
- HORA, Heinrich Application of laser-produced plasmas for controlled thermonuclear fusion, 25:36155
  - Experimental results of free targets, 25:36152
  - Laser interaction and related plasma phenomena. Proceedings of the first workshop, held at East Windsor Hill, Connecticut, June 9—13, 1969, 25:36147
  - Linear and nonlinear behavior of laser produced aluminum plasmas, 24:10509
  - Neutron pulse source, 23:37073
  - Nonlinear confining and deconfining forces associated with the interaction of laser radiation with plasma, 23:14746
  - Nonlinear effect of expansion of laser-produced plasmas, 25:36154
  - Optical constants of fully ionized plasmas for radiation of ruby, neodymium-glass, and CO_2 lasers, 23:23159 (IPP-3/81)
  - Results of the self-similarity model, 25:36132
  - Self-focusing of laser beams in a plasma by ponderomotive forces, 23:42293
  - Self-focusing of laser beams in a plasma by ponderomotive forces, 24:51633
- HORA, Jiri Germination capacity of x-irradiated seeds of some varieties of A. cepa L, 21:11118
  - Germination capacity of x-irradiated seeds of Allium cepa L, 22:33974
- HORACEK, J. Chelometric methods in rapid applied analysis. XXVII, 22:2000
  - Contributions to the basic problems of complexometry. XXII, 21:14165
- HORACEK, Jan Amperometry with two polarizable electrodes. Chelometric determination of rare earths, 22:27569
  - Amperometry with two polarizable electrodes, 23:37886
  - Contributions to the basic problems of complexometry. XXIII, 21:15851
- HORACEK, Jiri Joachimstal lung cancer, 23:35762
- HORACEK, K. Kinetics of electron and ion reactions during the γ radiolysis of liquid neopentane, 25:4113
  - Radiation-induced incorporation of nitric oxide into organic compounds, 22:2157
  - Radiolysis of aromatic hydrocarbons in the presence of nitrogen oxide, 23:9437
  - Radiolysis of cyclohexane in the presence of nitric oxide, 23:9432
- HORACKOVA, O. Gastric emptying in irradiated mice and rats, 25:24223
  - Influence of some drugs on emptying of the stomach of irradiated mice, 22:19358
  - Levels of total and free sulfamethoxide in the blood of rats after an irradiation dose of 600 R, 22:21614
- HORAI, Kazumi Modified Pound—Watkins type NMR spectrometer at 100 Mc region, 22:33695
- HORAI, Ki-iti Seismic travel time anomaly due to anomalous heat flow and density, 23:6235
- HORAK, Henry G. Aerosol concentration and extinction in the earth's atmosphere, 23:17574 (LA-4032)
  - Machine computation of spectroscopic binary elements, 22:43732
  - Resonance radiation in artificial strontium and barium clouds, 24:22531 (LA-4313)
- HORAK, Ivan Gerard Host—parasite relation of sheep, 24:34167
- HORAK, J. Effect of radiation on reductases and succinodehydrogenase of bull spermatozoa, 21:4774
  - Modification of radiation injury in blood, bone marrow, and spleen, 24:14521
  - Preparation of biological samples containing radioiodine for radioactivity measurement, 22:22953
  - Reaction and determination of uranyl ions by means of pyrogallol sulfonic acid, 22:30479
  - Reactions of UO_2^{2+} with phloroglucinol carboxylic acid, 23:19656
- HORAK, J. A. Effect of neutron irradiation on Guinier—Preston zone formation in Al—Zn alloys, 22:11503
  - Pre-precipitation rate in Al—10 percent Zn alloy neutron irradiated at 78°K, 22:23850
- HORAK, James A. Neutron irradiation of pure metals and aluminum—zinc alloys, 21:31052 (ANL-7185)
- HORAK, James Albert Neutron irradiation of pure metals and Al—Zn alloys, 21:34941
- HORAK, Jindrich Effects of ionizing irradiation on the growth of bones of the proximal part of the pectoral limb, 24:46658
- HORAK, M. Infrared studies on glycine and its addition compounds, 21:1359
  - Infrared studies on some ferroelectric compounds of glycine, 21:1360
- HORAK, R. Correlation theory of quantized electromagnetic field. I, 23:34639
- HORAK, T. Close binary light curve rectification, 22:36663
  - New elements of eclipsing variable V 505 Sagittarii, 22:13092
  - Rectified ellipsoid—ellipsoid model, 23:14426
- HORAK, Thomas B. Determination of elements of close binary system, 25:8980
- HORAK, Z. Classical and relativistic forces of inertia, 25:2871
  - Inertia, relativity, and cosmology, 23:30292
  - Inertial forces as gravitational effect of Einstein Universe, 25:30245
  - Machian interpretation of general relativity, 24:44957
  - Rectal radioiodide test for the diagnosis of liver metastases, 24:7947
  - Superlarge-scale model of Einstein universe, 23:14574
- HORAKOVA, A. Effect of radiation on reductases and succinodehydrogenase of bull spermatozoa, 21:4774
- HORAKOVA, Alexandra Effects of ionizing irradiation on the growth of bones of the proximal part of the pectoral limb, 24:46658
- HORAKOVA, V. Bacteraemia finding in fowls that died after exposure to increasing x-ray doses, 21:24684

Occurrence of bacteremia in domestic fowl after irradiation with x-rays LD_{50}, 23:29766
HORAN, D. M. Solar electron temperatures and x-ray flare activity, 25:52558
HORAN, Donald M. SOLRAD 9 satellite Solar Explorer B 1968-17A, 23:44097 (AD-686019)
HORAN, Donald Martin Coronal electron temperatures associated with solar flares, 25:13902
HORAN, J. R. Decontamination and waste disposal applicable to major reactor accident, 24:7903
Major health physics experiences during 15 years of reactor testing, 23:13551
HORAN, John R. Appraisal of radiation protection activities, 25:46877
HORAN, P. K. Role of hydrogen atoms in free radical site migration, 25:2246
Stability of radiation-induced organic free radicals: decay by heat, 22:27779
HORAN, Paul Strain of Escherichia coli resistant to DNA degradation induced by ionizing radiation, 25:42729 (NYO-2804-40)
Sucrose gradient analysis of DNA in irradiated cells of PHH1, 25:42731 (NYO-2804-42)
HORAN, Paul Karl Electron spin resonance of irradiated single crystals of orotic acid, 24:13909
Free radical destruction by gamma-irradiation at 77°K, 23:49870
Free radicals in pyrimidines, 24:33707 (UCRL-19420, pp 46-55)
Free-radical production by heavy ions at 77°K and its relation to the thermal spike theory, 24:38923
Kinetics for free-radical conversion processes in irradiated D,L-valine, 24:36318
Radiation-induced free radical destruction, 24:41317 (UCRL-19849)
Temperature dependence of radioinduced free-radical destruction, 25:35103
HORANYI, S. Power reactor noise studies using a polarity correlator, 25:48312 (KFKI-71-31)
HORB, M. L. Method of testing metals at high temperature and pressure values, 21:6159 (AD-639160)
HORBER, E. Eradication of a white grub by irradiated adults, 24:32321
Significance of sterile-male technique in pest management of white grub, 24:32302
HORBER, Ernst Cockchafer against cockchafer, 22:47654
HORBERT, M. Results of continuous measurements of radon and its decay products in the lower atmosphere, 21:6076
Tracing atmospheric eddy mass transfer, 24:25137
HORCICKA, J. Rod models of fuel elements of nuclear reactors, 25:15410 (ZJE-92)
HORD, C. W. Mariner 6 and 7 ultraviolet spectrometer experiment: upper atmosphere data, 25:27433
HORD, Charles W. Mariner 6 and 7 hydrogen Lyman-alpha data, 25:55812
HORDON, M. J. Fatigue apparatus for extreme high vacuum, 21:16085
Investigation of the adhesion of metals in ultra-high vacuum, 22:654 (N-67-22884)
Prog. rpt. on adhesion and cohesion of metals, annual, 3/9/65—3/9/66, 21:34887 (N-66-32677)
HORDOS, Barney Bevatron guide field control, 25:31055 (UCRL-20189)
HORDOS, Miklos Dose measurement of x and radioactive radiations by the calorimetric method, 21:39274
HOREAU, A. Application of partial resolution in homogeneous phase. V, 21:86
HOREDT, Gp. Gravitational instability of polytropic gas spheres under external pressure, 25:11560
Perturbations in a space of constant curvature, 25:30243
HORELICK, D. New precision measurement system for beam transport type magnets, 24:29596 (SLAC-PUB-750)
Precision toroidal charge monitor for SLAC, 22:32369 (SLAC-PUB-398)
Precision toroidal charge monitor for SLAC, 22:46660
Proportional wire chamber electronics system utilizing CAMAC, 25:59656
HORELICK, Dale Digital computer error analysis of a resonant toroid charge monitor, 23:30860 (SLAC-100)
HOREN, D. J. Current nuclear level schemes: A = 91 to 117, 25:10031 (ORNL-4627)
M2 isomerism in ^{83}Rb and high-resolution spectroscopic investigations of decay of ^{83}Sr, 22:26960
Resonance energy and yield measurements with a Ge(Li) detector, 23:19187
HORGAN, A. M. Oxygen adsorption, reconstruction, and thin oxide film formation on Ni, Fe, W, and Mo, 25:27224
HORGAN, J. D. Digital computer simulation study of the radio-Hippuran renogram, 22:31144
Quantitative analysis of liver scan data as an aid to diagnosis, 24:32108
HORGAN, J. R. Jr. Matrix elements for the $1^- \rightarrow 0^+$ beta-decay of ^{140}Pm, 24:43415
HORGAN, James D. Comparison of methods for renogram evaluation, 24:14535
HORGAN, John Raymond Jr. Beta decays of /sup 115m/Cd, /sup 115gs/Cd, and ^{140}La, 25:17943
HORI, Goziro Health administration at JAERI, 22:19355 (JAERI-1150)
HORI, Ichiro Hydroelectric and thermal power stations for Tokyo, 23:13433
HORI, Ippei Fetal hazards due to x-ray diagnosis during pregnancy, 22:40903
HORI, M. Analysis of gas-release effect in fuel cladding failure, 23:37587
Gas—water simulation studies of sodium—water reactions, 22:52158 (APDA-226)
HORI, Masae Transient thermal characteristics of UO_2 fuel rods, 23:47708
HORI, Masaiti Effects of additions of Be and both Be and Fe on $\beta \rightarrow \alpha + \gamma_2$ transformation of Cu—Al alloys, 23:8242
Effects of Fe and Zr on Cu—Al alloy, 24:2967
Tempering transformations of Cu—Al—Be and Cu—Al—Be—Fe alloys, 23:51069
Wear in rolling contact of quenched Cu—Al—Be—Fe alloys, 23:41558
HORI, Masao Effect of orifice pressure drop on burnout heat flux in parallel channels, 21:8519
Effect of orifice pressure drop on burn-out heat flux in parallel channels, 23:4205 (NSJ-tr-131)
Method for measuring void fraction by electromagnetic flowmeters, 21:1507 (JAERI-1111)
Thermal-hydraulic performance of Na cooled reactor core, 24:33288
HORI, S. E-meson decay in Veneziano model, 25:38735
HORI, Setsuko Absorption correction in positive pion photoproduction in GeV region, 21:40178
Comments on the electromagnetic form factors and mass differences, 25:12154
P_{11} πN scattering in three-channel model, 25:56519
Photoproduction of eta mesons in Veneziano Model, 25:9712
Test of duality based on Khuri amplitudes, 24:8642
Three-channel model for P_{11} πN scattering, 25:12221
Variational principle in matrix ND^{-1} formalism, 24:8753
HORI, Shigeaki Evaluation of radiotherapy of tumors in pineal region, 23:38739
HORI, Shiro Effect of heavy particles from $^{10}B(n,\alpha)^7Li$ and $^6Li(n,\alpha)^3H$ reactions on the growth of barley seedlings, 22:12943
Recovery of the mitotic inhibition induced by x-rays and polyploidy in some Solanum species, 24:48745
HORI, Shoichi Advance notice on Veneziano model of quarks and quark dynamics, 24:49447
Baryon mass levels. II, 21:13711
Constructing N-particle Veneziano amplitudes, 23:42771
Quantum-mechanical treatment of nonrelativistic three-body bound-state problem, 23:27725
V—P—P vertex in the dynamical composite model, 23:39695
HORI, Takeshi Spectrochemical determination of isotope ratio of oxygen by microwave discharge method, 22:27613
HORI, Toshimitsu High strength aluminum alloy and its production method, 23:20493
HORI, Yasuharu Disc electrophoretic pattern of histones from radiation-induced leukemic mice, 24:48697
Effect of x-irradiation on the lactate dehydrogenase level in plasma and in various organs of mice, 22:49274
Effect of x-irradiation on the release of LDH, 24:9777
Effects of x-irradiation on lactate dehydrogenase isozymes in plasma and in various organs of mice, 24:39563
HORI, Yoshio Hydrolysis of uranium monocarbide and oxidation potentials, 22:47134
Kinetic study of the reaction between uranium monocarbide and water vapor, 21:35939
Study on the rate and the products of the reaction between uranium monocarbide and water, 22:77
HORIBE, Osamu Built-in device for producing superheated steam by nuclear power, 22:10031
Method for controlling a nuclear reactor, 22:18534
Method for shim control of a nuclear reactor, 22:14331
HORIBE, Takashi Radiosterilization of medical products. II, 25:47080
Sterilization of surgical suture by γ ray. I, 23:41343
HORIBE, Yoshio Deuterium content as a parameter of water mass in the ocean, 22:16730
Measurement of isotopic ratio of light elements, 22:6262
HORIE, H. Effective neutron—proton interactions in nuclei with N = 29, 22:27306
Non-normal parity states of ^{209}Bi and ^{207}Pb, 25:56763
Nonnormal parity states in the lp-shell nuclei, 22:26861
Nuclear reactions (Li,α) and cluster structure of light nuclei, 22:26879
Parity states in A = 15, 14, and 13 nuclei, 25:15158
Shell model calculation of septuplet in ^{210}Bi, 24:1856
Shell model study of septuplet in ^{210}Bi, 24:43419
HORIE, Hisashi Conference on β- and γ-rays and their instruments, Kyoto Univ., 6/67, 23:9730 (KURRI-TR-41)
Fractional parentage coefficients for the nuclear jj-coupling states, 23:28322
HORIE, K. Neutron activation for ^{53}Mn in meteoritic iron, 23:37927
HORIE, Kazuo Exposure meter MERIC, 21:41284
Radiation effects in semiconductor devices and their applications, 22:14903
HORIE, Michihiko Hot-pressing of tantalum carbide. I, 24:42208
HORIE, Tomohiro Method for producing polyvinyl alcohol-bonded whetstone, 21:1403
HORIGAMI, O. ac losses of Nb-Ti wires as function of wire diameter, 25:45413
HORIGUCHI, Hiroyuki Hydrogen isotope effect in oxyhydrogen reaction on ZnO, 23:4625
HORIGUCHI, Yasuhiro Application of activation analysis on stream flow measurement, 21:14393
Application of rare earth chelate compounds as activable tracer to tidal river flow study, 24:31478
HORIGUCHI, Yoshishige Production of black pearls by irradiation with radioactive rays. III, 22:10855
Production of black pearls by irradiation with radioactive rays. II, 22:10856
HORII, Fumitaka Chemical structure of poly(vinyl alcohol)-styrene graft copolymer, 23:31375
Mutual irradiation grafting of styrene onto poly(vinyl alcohol) and characterization of graft copolymer, 25:37413
Radiation-induced graft copolymerization of styrene onto poly(vinyl alcohol) in the presence of carbon tetrachloride, 22:33465
HORII, Hideo Reaction of the hydrated electron, 22:12387
Temperature dependence of solvated electron in concentrated aqueous solution of alkali, 22:42795
HORII, Kenji Development of a heavy-current switching gap triggered with laser, 25:30575 (EUR-4593, pp 339-45)
HORII, Yukihiko Molten pool phenomena in submerged ARC welding, 24:31604
HORII, Z. I. Degradation of DNA of E. coli K12 rec^- induced by uv, 22:49268
HORII, Zen-ichiro Appearance of low molecular weight DNA in a rec^- mutant of E. coli K 12 irradiated with x-rays, 22:45410
Degradation of the DNA of recA mutants of E. coli K-12 after irradiation with uv light. II, 24:34094
Stability of DNA in E. coli irradiated with ultraviolet light, 21:6729
HORIKAMI, Kunihiko Calculation code for thermal neutron multi-group reactor constants: THERMOS-MUG, 25:60225 (JAERI-Memo-4394)
HORIKAWA, M. Comparative studies on rejoining of DNA-strand breaks, 25:26953
Dark reactivation of damage induced by ultraviolet light in mammalian cells in vitro, 22:31217
HORIKAWA, Masakatsu Biochemical and genetical studies on radioresistant cells, 23:7985
Radiation and carcinogenesis, 25:8611
Radiation lesion of gene and the recovery, 25:6656
HORIKAWA, N. Measurement of spin correlation parameters A/sub xx/ and A/sub yy/ of proton—proton scattering at 50 MeV, 22:26806
Spin correlation parameters A/sub xx/ and A/sub yy/ for proton—proton scattering at 47.5 MeV, 24:15788
Vertical type cryostat for a polarized proton target, 23:44764
HORIKAWA, Naoaki Modified Pound—Watkins type NMR spectrometer at 100 Mc region, 22:33695
Polarization of recoil protons from neutral pion photoproduction, 22:44306
HORIKAWA, Takeshi New metal industry in Japan in 1968: zirconium, 23:12289
HORIKAWA, Y. Deformations in ^{20}Ne, ^{24}Mg, and ^{28}Si from electron scattering, 25:53671
Determination of deformation in ^{12}C from electron scattering, 25:53617
HORIKAWA, Yataro Electromagnetic form factor of ^{20}Ne, 25:38924 (JAERI-1205, pp 96-9)
HORIKAWA, Yoshio Radiometric survey with a car-mounted instrument in the eastern part of Aichi prefecture, 21:10455
Radiometric survey with a car-mounted instrument in the southern part of Yamagata prefecture, 21:10456
HORIKIRI, Shozo Charge transfer in binary organic liquid mixtures of cyclohexane and methyl-substituted benzenes, 21:21998
HORIKOSHI, G. Production of high-energy polarized gamma-rays from an electron synchrotron with amorphous radiator, 22:29202
Production of quasi-monochromatic polarized bremsstrahlung from a single crystal of silicon, 21:29784
Theta-pinch experiment of a very-low-density plasma, 23:32381
HORIKOSHI, Gen'ichi Engineering developments in QP experiments, 24:30356 (IPPJ-T-1)
Feedback control of the PIG discharge of the QP machine, 25:11921 (IPPJ-T-2)
New type of plasma source, 24:40098
PIG discharges in various field configurations, 23:14818
HORING, Norman J. Quantum theory of shielding of an impurity charge by electron gas plasma, 24:1409
HORIO, Toshimasa Electron temperature measurements of a high frequency discharge in a helium gas, 23:1398
Microwave conductivity in a turbulent plasma with a magnetic field, 23:8616
Upper hybrid resonant heating in a slightly ionized plasma, 21:2213
HORIOKA, Masakazu Separation and recovery of ^{137}Cs from radioactive wastes, 23:38086
HORISBERGER, H. Component parts of ISR. VI, 23:5736
HORITA, Osamu Development of major components for FBR, 25:23295
HORITA, Robert E. Electrostatic waves in the ionosphere excited around the lower hybrid resonance frequency, 23:12662
Origin of lower hybrid resonance noise in ionosphere, 23:46371
HORITA, Robert Eiji Wave—particle interaction around the lower hybrid resonance, 24:5068
HORITSU, Keisuke Cobalt-60 ray irradiation of starch, 22:51015
Effect of gamma radiation on pear, 23:48309
HORIUCHI, G. Lower thermosphere ions in the nighttime auroral zone, 23:46375
HORIUCHI, H. Structure of s-d shell nuclei, 22:27301
Structure of sd-shell nuclei, 22:20745
Weak coupling model of particles and holes in the sd shell nuclei, 21:19308
HORIUCHI, Hiroyuki Crystallography of V/sub n/O/sub 2n-1/ (3 less than or equal to n less than or equal to 8), 25:58393
Growth and magnetic properties of V_6O_{11} single crystals, 24:44774
HORIUCHI, Hisashi Generator coordinate treatment of composite particle reaction and molecule-like structures, 24:52735
Molecule-like structure in atomic nuclei of ^{16}O and ^{20}Ne, 22:53235
Systematic structure-change into the molecule-like structures in the self-conjugate 4n nuclei, 23:28323
HORIUCHI, Junichi Gingival and mandibular injury following oral radiotherapy, 24:41999
Radiation injury of bone. I, 24:34744
Some considerations on radiation therapy of tongue cancer, 25:46939
HORIUCHI, Kensuke Three cistrons in bacteriophage Qβ, 25:13386
HORIUCHI, Nozomu Electron density measurements of plasma jet by microwave interferometry, 22:34612
Electron density measurements of plasma jet by microwave interferometry, 23:5382

HORIUCHI, Shigeo Low-temperature phase transition of vanadium sesquioxide, 24:14942
HORIUCHI, Tadao Lambda phage mutants insensitive to temperature-sensitive repressor. I, 23:31705
  Lambda phage mutants insensitive to temperature-sensitive repressor. II, 24:46600
HORIUCHI, Takefumi Superconducting transition temperature in V_3Al—V_3X, 23:44350
HORIUCHI, Tetsuo Performance analysis of BWR emergency core cooling system designed for Shimane nuclear power station of Chugoku Electric Power Company, 25:59897
HORIUCHI, Yoshizo Spectrophotometric determination of Ce(III) with chrome Azurol S, 22:40037
  Spectrophotometric determination of La, 23:4525
  Spectrophotometric determination of scandium, 23:9315
  Spectrophotometric determination of molybdenum(V) with Chrom Azurol S, 23:49703
HORIYE, H. High-energy-electron radiation-induced defects in silicon, 22:31942 (BNL-50083, pp 454-61)
  Lithium: an impurity of interest in radiation effects of silicon, 25:56309
  New ESR centers in electron-irradiated silicon, 23:44518
  Prog. rpt. on radiation effects in silicon solar cells, 10/69, 24:14379 (N-69-40757)
  Prog. rpt. on radiation effects on silicon, 4/1/66—6/30/66, 21:13287 (N-66-33436)
  Prog. rpt. on radiation effects on Si, 10/1/66—12/31/66, 22:769 (N-67-25672)
  Radiation effects on silicon, 22:47442 (N-68-23246)
  Radiation-induced latchup in monolithic integrated microcircuits, 23:43648
  Silicon exposed to highly energetic radiation, 21:6372
HORIYE, Handy Electron paramagnetic resonance in irradiated germanium, 22:20059
HORKAY, I. Development of erythema threshold values in photodermatoses, 22:28572
  Effect of uv irradiation on epidermis. II, 22:49252
HORKAY, Iren Effect of ultraviolet light on the epidermis. III, 23:38468
  Effect of uv light on epidermis, 22:52017
HORKAY, Irene Reactions to light in psoriasis patients, 22:15066
  Studies of the light reactions of psoriasis patients, 23:4977
HORKAY-BORSOS, Klara Determination of small amounts of impurities in molybdenum and its compounds, 25:54399
  Determination of traces of foreign matter in molybdenum anuits compounds, 25:10459
HORLICK, L. Effect of ultraviolet irradiation on sterol metabolism in the rat, 21:10809
HORLITZ, E. Program for solution of the stationary neutron transport equation with spherical symmetry, 25:28147 (JUL-683-MA)
  Solution of the stationary neutron transport equation with spherical symmetry, 24:33082 (JUL-634-MA)
HORLITZ, G. Formation of bubbles in liquid H, 22:12628 (CERN-67-26(Vol.2), pp 389-404)
  Influence of parasitic boiling and expansion speed on the dynamic pressure in a bubble chamber, 25:34957 (CONF-700623-(Vol.1), pp 424-48)
  Measurement of growth rate for sub-visible bubbles in a bubble chamber, 24:5927
  Measurement of the limit of sensitivity of hydrogen in a bubble chamber and calibration of pressure gauges, 22:40460 (DESY-68/30)
  Measurement of the limit of sensitivity of hydrogen in a bubble chamber and calibration of pressure gauges, 23:2726
  Measurements of bubble densities in liquid hydrogen and liquid deuterium, 23:4835 (DESY-68/45)
  Measurements on formation, growth, and recompression of bubbles in liquid H, 21:36336 (DESY-67/14)
  Operation of a track sensitive deuterium target inside a neon—hydrogen bubble chamber, 23:20002
  Thermodynamics of bubble chamber expansions, 23:4834 (DESY-68/43)
  Track sensitive hydrogen target inside neon—hydrogen bubble chamber, 22:368
HORLOCK, R. F. Calcination of microporous BeO powders, 22:761
  Molecular size pores in beryllium oxide powders, 21:22930
HORM, I. E. Improved method for americium analysis in urine, 25:41756
HORM, Imogene F. Separating Am from urine, 25:44427
HORM, J. Urinary excretion of ^{241}Am under DTPA therapy, 25:55118
HORMOZDIARI, Iraj Green's function for Bethe—Salpeter equation, 25:22805
HORN, B. Problem of developmental anomalies, 21:6640
HORN, D. Alpha = 0 wrong-signature pole in πN charge exchange, 24:13085
  Distributions of charged pions, 25:3370
  Finite energy sum rules, 24:15686
  Finite-energy sum rules and their application to πN charge exchange, 22:20254
  Generalizations of W spin, 24:37745
  Generalized unitarity and low-energy theorems, 22:34930
  Giant quark model, 23:39713
  High-energy limit for the problem of two vector currents, 21:44322
  Inequalities for K/sub l3/ form factors, 23:18876
  Low t theorems for charged pion photoproduction, 24:26391 (CALT-68-245)
  Low-t theorems for charged-pion photoproduction, 24:40312
  Missing SU(3) multiplets and SU(6)/sub W/ selection rules, 21:4077
  Modified quark models, 24:15568
  New approach to high energy scattering, 24:18193
  Prediction of Regge parameters of rho poles from low-energy πN data, 21:37807
  Real parts of meson—nucleon forward scattering amplitudes, 24:37791
  Regge structure of B/sup (-)/ amplitude in πN scattering, 22:46447
  Rho^0—ω interference, 24:32990
  Two overlapping resonances: production and decay in S-matrix theory, 24:28539
  W-spin selection rules, 21:956
HORN, David Representation of current algebra at infinite momentum: solution of the case in which isotopic spin factors out, 22:32080
HORN, Elisabeth Wet milling of carbide—cobalt mixtures, 23:46111
HORN, F. H. Thermal conductivity of boron and some boron compounds, 25:47174
HORN, F. L. Aerosols PuO_2—UO_2—Na, 23:29019
  Behavior of aerosols under fast reactor accident conditions, 24:4072 (BNL-14070)
  Nitrofluor process, 24:22745
  PuO_2—UO_2—Na aerosols produced by vaporization of fast reactor core materials, 22:53262 (BNL-12757)
HORN, Frederick L. Some aerosol properties of vaporized fast reactor fuels, 21:46962 (BNL-11612)
  Some aerosol properties of vaporized fast-reactor fuels, 22:5950
HORN, G. Air heaters and seed recovery for MHD plant, 21:37241
  Critical data for some type-II superconductors, 23:36617
  Engineering aspects of magnetohydrodynamic power generation, 21:46198
  Leak detection in sodium heated boilers, 25:57632
  MHD plant, combustion techniques, and seeding. XVI, 22:5199
  Onset of choked flow in vents of sodium—water heat exchanger, 25:48716
  Preparation and superconductive properties of niobium nitride and niobium nitride with admixtures of Ti, Zr, and Ta, 22:17559
  Statistical techniques for evaluating experimental performance results on a batch of heat exchanger elements, 23:21887
HORN, G. R. Atlas of irradiated fuel structures, 21:41679 (BNWL-225)
  Effects of xenon on fuel-to-cladding gap conductivity, 24:5806
  Fuel-clad gap conductance in fast reactor oxide fuels, 25:5999
  Melting heat rating of UO_2—25 wt. percent PuO_2 fuels, 24:7126
  Stoichiometry effects in molten center, oxide fuels, 21:13283 (CONF-661003-17)
  Stoichiometry effects in molten center, oxide fuels, 23:8357
HORN, George Improvements in or relating to magnetohydrodynamic electrical generator systems, 21:655
HORN, Glen R. In-reactor sintered fuel, 22:32985
  In-reactor sintered fuel, 22:41125 (BNWL-SA-1679)
  Irradiation performance of (U,Pu)N fast reactor fuels, 22:32818
HORN, Hans Christoph Identification of molybdenum silicides with the help of electron beam microanalysis, 22:37689
HORN, J. Evolution of close binaries. I, 22:17270
  Evolution of close binaries. III, 23:30208
  Evolution of close binaries. V, 25:27331
  Evolution of close binaries. VIII, 25:30106
  Mass exchange in case AB in system 5M/sub solar mass/ + 4M/sub solar mass/, 24:23555
  Models for main-sequence stars, 23:46176
HORN, Jochen Surface wear studies and their use for investigations on tungsten carbide layers, 24:17342
HORN, K. Neutron—nucleus total cross-sections between 8 GeV/c and 21 GeV/c, 24:51940
  Neutron—proton charge exchange scattering at 8, 19, and 24 GeV/c, 25:25431
  Neutron—proton elastic scattering in forward direction between 4 and 16 GeV, 23:32613
  Neutron—proton total cross-sections between 8 GeV/c and 21 GeV/c, 24:30446
  Total cross-sections for n—p and n—d scattering at 10 GeV/c neutron momentum, 22:53086
  Total neutron-nuclei cross-sections at 10 GeV/c, 23:5829
HORN, K. P. Radiative behavior of shock-heated Ar plasma flow, 23:12789
HORN, Karl-Heinz Induction of tumor-specific resistance against transplants of sarcomas induced by implantation of plastic pellets, 21:13043
HORN, Kenneth Porter Radiative behavior of shock heated argon plasma flows, 21:33389
HORN, Klaus Neutron—proton charge exchange at 8 and 19 GeV/c, 25:56415 (NP-18888)
HORN, M. K. Simulated neutron-activation spectra for geochemical analysis, 21:35871
HORN, P. Elastically scattered recoil nuclei in solid-state track detectors, 21:42173
HORN, P. M. Flux-flow and fluctuation effects in granular superconducting films, 25:49830
  Vortex motion in the presence of thermodynamic fluctuations, 25:14207
HORN, Robert C. Jr. Carcinoma of thyroid after external radiation, ·24:17157
HORN, S. J. Process heating via combustion, 22:37853
  Radioactive materials in pilot plants, 22:51217
HORN, Ursula Lipid changes in various rat organs after whole-body irradiation with lethal x-ray doses. VII, 22:33921
HORN, V. Healing of homoplastic bone chip irradiated with a radium bomb, 23:33873
HORN, W. Clinical analysis of 3.5-days-effect, 21:11005 (EUR-3164.d)
  Damping in nitrided Fe—Mo and Fe—V alloys, 21:45895
  Neutron dose determination by gamma counting of fillings in teeth, 21:3410
HORN, Werner Discussion contribution to C. Streffer, 24:34113
  Sequelae of a reactor accident, 24:34345
HORN, William H. Environmental monitoring with thermoluminescent dosimeters, 24:2497 (SWRHL-58-r)
HORN, Y. Testosterone as a bone marrow stimulant in irradiated rats, 25:52110
  Thyroid dimensions as measured on the scintigram, 25:16252
HORN, Yoav Survival of irradiated erythrocytes after transfusion to isologous mice, 21:14582
HORNADY, R. Explosively driven fast acting high current crowbar switch, 25:25173
HORNAK, L. P. Examination of CVTR components, 22:35428 (CVNA-289)
  Periodic ultrasonic inspection of CVTR pressure tubes, 21:44825 (CVNA-288)
HORNAK, R. J. Compatibility of vanadium alloys with high-temperature sodium, 23:36018
  Effects of exposure to flowing sodium on vanadium alloys in stainless steel containment systems, 25:2621
HORNBACK, C. E. High-altitude nuclear detection studies. I, 25:41932 (AD-719619)
  High-altitude nuclear detection studies. II, 25:41933 (AD-719620)
HORNBACK, D. L. Surface friction characteristics of silicone rubber pads, 25:46358 (BDX-613-447)
HORNBACK, Ned B. Use of local anesthesia for radium implantation, 25:16268
HORNBAKER, Edwin D. Radiation curable polyvinyl chloride composition containing triallyl isocyanurate, 25:18437
HORNBECK, Robert F. Graft copolymers as substrates in column extractions. I, 22:162
  Graft copolymers as substrates in column extractions. II, 22:163
HORNBERG, H. State of matter under very high pressures and temperatures, 23:34432
HORNBOGEN, E. Explosion plating, 22:49700
HORNBOGEN, Erhard Distribution of coherent particles in nickel alloys, 22:10988
HORNBOSTEL, J. Experimental study of the decay spectrum of K^0/sub L/ $\to \pi^+ \pi^- \pi^0$, 24:35602
HORNBROOK, A. R. Mutation induced in maize by thermal neutron irradiation, 24:48483
HORNBROOK, Albert Ray Neutron irradiation effects in corn, 23:24597
HORNBUCKLE, J. D. In-service inspection of San Onofre Nuclear Generating Station, Unit 1, 25:39139 (CONF-710512-6)
HORNBUCKLE, James D. Forced vibration tests and analysis of the CVTR reactor seismic response, 24:7147
HORNBY, C. A. Radiation-induced translocations in Prunus avium cv. Lambert, 25:35127
HORNBY, I. W. Behavior of Oldbury model vessel with time under thermal and pressure loadings, 25:29309
  Correlation of measured and calculated strains in top-half of Oldbury prestressed concrete pressure vessel R1, 1965—1970, 25:28528 (RD/B/N-1784)
  Instrumentation techniques in large scale concrete models, 25:29299
  Moisture measurements in mass concrete, 25:30026 (EUR-4531, pp 409-16)
  Testing the Oldbury vessel model, 23:11131
HORNBY, J. M. Structure of the magnetic field in the local spiral arm, 21:33064
HORNBY, P. Role of lasers in biology and medicine, 23:14235
HORNBY, Peter Biomedical aspects of lasers, 22:2547
  Craniocerebral trauma induced by laser radiation, 21:28664
  Design of a medical laser laboratory: to reduce occupational hazards of laser research, 21:22420
  Laser laboratory design and personnel protection from high energy lasers, 23:26813
  Laser radiation: acute effects on cerebral cortex, 21:20346
  Laser radiation. II, 22:570
  Personnel protection from high-energy lasers, 21:10883
  Quartz rods for high energy laser transmission, 22:31276
  Safety in the chemical laboratory. XXV, 21:12860
HORNE, A. Operation of the reactor primary circuit at Oldbury Power Station, 23:28405
HORNE, A. W. RBE of gamma and neutrons in rabbits, 22:582
HORNE, D. E. Trapping and thermal release of noble gases at a nickel surface, 24:28410
HORNE, D. S. Elastic scattering of alkali atoms from iodine atoms and molecules at thermal energies, 25:2922
HORNE, Donald E. Chemisorption of nitrogen at activated sites on a polycrystalline tungsten surface, 25:29849
HORNE, George D. Mass storage maintenance and retrieval system for data related to nongraphic portions of engineering drawings, specifications, and change orders, 22:6221 (SC-DC-67-2234)
HORNE, O. J. Preparation and characterization of ultrafine particles from materials of high hardness, 24:33624 (Y-1723)
HORNE, O. J. Jr. Mesophase formation in polymers of cinnamylideneindene and acenaphthalene, 25:51355 (Y-1799)
  Properties of carbon derived from indene compounds, 25:57295 (Y-1790)
HORNE, R. Fabrication and irradiation performance of fast reactor fuel (UO_2—PuO_2), 23:10301
HORNE, R. A. Application of remote handling in the CPS tunnel, 23:28075
  Electric conductivity of KCl in heavy water in the -2 to 12° range, 21:27952
  Total solvation atmospheres of the alkali metal cations in aqueous solution, 21:14173 (AD-639219)
HORNE, R. E. Flux mapping measurements to determine location of permanent detectors in Enrico Fermi reactor, 21:12118 (APDA-NTS-8)

Measured and calculated response of neutron spectrum indices in Enrico Fermi Fast Breeder Reactor, 24:8965 (APDA-NTS-19)
Measurement and calculation of ^{235}U and ^{238}U fission distributions and ^{238}U capture distributions for Enrico Fermi reactor, 22:7791 (APDA-NTS-10)
Measurement of Na worth in Enrico Fermi Reactor, 21:5599 (APDA-NTS-7)
Measurement of some reactivity effects in Enrico Fermi Reactor, 22:14130 (APDA-NTS-12)
Oscillator tests in Enrico Fermi reactor, 22:1752 (APDA-NTS-11)
Uranium-foil measurements in Enrico Fermi Fast-Breeder Reactor, 21:38557
HORNE, Roger Alan Telemanipulation in a big accelerator, 22:13878 (BNL-tr-180)
HORNE, Roger-Alan Telemanipulation in a big accelerator, 21:19108
HORNE, W. E. Electron-induced changes in transistor gain, 21:6385
Gamma dose military specification failures during testing of silicon transistors, 23:17884
Literature search and radiation study on electronic parts, 25:479 (N-70-31746)
Total-dose survival probability for bipolar transistors, 25:21503
HORNECK, G. Effect of vacuum and radiation on E. coli, 23:45975
Inactivation and division delay of E. coli B/r by combined treatment with uv and vacuum, 25:35265
Vacuum treatment of biological objects, 24:17175
HORNECK, Gerda Repair of ultraviolet-damages after irradiation of bacteria in the vacuum, 25:55356
HORNECK-WITT, G. Influence of caffeine on repair of uv-premutations of E. coli, 22:40648
HORNEF, Hermann Water protection and energy production, 23:38096
HORNER, D. E. Mathematical model and computer program for estimating distribution coefficients for Pu, U, and nitric acid in extractions with tri-n-butyl phosphate, 24:11660 (ORNL-TM-2711)
Use of ferrous nitrate as Pu reductant for partitioning Pu and U in Purex processes, 23:24277 (ORNL-4383)
HORNER, Frederick Use of atmospherics for studying the ionosphere, 24:30248
HORNER, H. P. Systems considerations in the design of sodium pumps for liquid-metal fast breeder reactors, 22:32870
Systems considerations in the design of sodium pumps for liquid metal fast breeder reactors, 23:28450
HORNER, Heinz Many-body perturbation theory for quantum crystals. II, 24:50272 (COO-1569-44)
HORNER, Joseph LeFevre Role of cross relaxation in extra ENDOR spectrum of vanadium in Tutton salt crystals, 22:34742 (COO-1112-161)
HORNER, M. H. Refractory metal systems of thermionic interest, 24:10037 (GA-9495)
HORNER, P. Effect of the formation of vacancy lines on the kinetics of irradiation damage in graphite single crystals, 21:1965
HORNER, Richard W. Desk computers in nuclear medicine, 23:50669
Radioisotope skeletal survey, 21:24533
Radioisotope skeletal survey, 22:8569
HORNER, T. S. Exact solution of the problem of Goldstein and Cohen, 21:13792
Maximum Doppler effect, 21:27616
HORNES, N. Brain scanning with /sup 99m/Tc, 24:34509
HORNFELD, Y. Photosensitized dimerization of thymine and cytosine in DNA, 23:50339
HORNG, Ching-shie Cyclotron wave plasma studies, 25:9408 (COO-1789-1)
HORNG, Jiann Tsorng MHD waves in the inner magnetosheath, 24:32708
HORNG, Jiann-Tsorng Large-amplitude hydromagnetic waves in the inner magnetosheath, 24:47141
HORNIG, D. F. Vibrational spectrum of crystalline HF and DF, 21:27978
HORNIG, Donald F. Future energy needs vs the environment, 22:47871
HORNIG, H. C. Adiabatic expansion of high explosive detonation products, 23:11388 (UCRL-50422)
Equation of state of detonation products, 24:33618 (UCRL-72173)
Metal acceleration by composite explosives, 24:33616 (UCRL-72171)
HORNIG, Howard C. Standard test for detonation pressure measurement, 23:40526 (UCRL-50645)
Time-resolved emission spectra of the detonation products of PETN, 22:3993 (UCRL-50328)
HORNIK, A. Gas chromatographic studies in TBP-diluent-nitric acid-water-nitrates of actinides and rare earths, 22:6405
Gas-chromatographic studies of the system uranyl nitrate + TBP + diluent + water, 21:17619
Study of uranyl nitrate and Th nitrate complexes with tributyl phosphate, 24:4273
HORNING, D. B. Conversational APT, 21:23806 (SCL-CR-67-167)
HORNING, L. K. Radiation evaluation of Ebers—Moll and charge control model parameters of seven transistor codes, 23:38384 (SC-RR-68-225)
HORNING, R. R. Laser telemetry program, 22:47404 (UCRL-50457)
HORNKE, I. Action of DMSO on skin irradiation, 22:51837
HORNKE, J. Solution of caustic soda as a catalyst for isotopic exchange between hydrogen and water in transfer columns for technical enrichment of deuterium, 22:14570
HORNS, John Total-skin electron-beam therapy, 21:4827
HORNSBY, J. B. Application of instrumental methods to the determination of nuclear fuel materials for safeguards, 25:20938
Precise, non-destructive determination of F by 14-MeV neutron activation analysis, 22:14439
HORNSBY, James B. Powder metallurgy compaction. Quarterly progress report, June 1—August 31, 1970, 24:48807 (SRO-475-8)
Prog. rpt. on powder metallurgy compaction, 9—11/69, 24:10018 (SRO-475-4)
Prog. rpt. on powder metallurgy compaction, 12/69—2/70, 24:21338 (SRO-475-5)
Prog. rpt. on powder metallurgy compaction, 3—5/70, 24:34855 (SRO-475-7)
Prog. rpt. on powder metallurgy compaction, 9—11/70, 25:12913 (SRO-475-9)
Prog. rpt. on powder metallurgy compaction, 12/70—2/71, 25:23485 (SRO-475-10)
Prog. rpt. on powder metallurgy compaction, 3/71—5/71, 25:44292 (SRO-475-11)
HORNSEY, S. Gut leakage and intestinal death as measure of radiation damage: RBE values for neutrons and effects of fractionation, 22:49557
RBE values for cyclotron neutrons for effects on normal tissues and tumours, 25:52199
HORNSEY, Shirley Animal survival and cell survival seen in dose rate effects on mouse intestinal damage, 25:42633
Cellular basis of intestinal death in mice, 24:12263
Comparison of x-ray survival curves obtained from cells cultured in vitro with those of the parent strain assayed in vivo, 21:20374
Differences in the effect of hypoxia on the radiation sensitivity of the bone marrow and the intestine in mice, 25:35161
Effect of hypoxia during irradiation on four-day death in mice given single and split doses of electrons, 22:40739
Effect of hypoxia on sensitivity of epithelial cells, 25:16222
Hypoxia in mouse intestine induced by electron irradiation, 25:46893
Radiation-induced loss of macromolecules into the intestine, 23:33649
Recovery process in organized tissue, 22:25990
Relative biological effectiveness of fast neutrons for intestinal damage, 25:24400
Sensitivity of mouse testis during irradiation, 25:24389
Sensitization of hypoxic gastro-intestinal tract, in vivo, to radiation damage by indanetrione hydrate, 22:49523
Survival of jejunal crypt cells after radiation, 25:26957
HORNSHOEJ, P. Alpha decay of neutron deficient isotopes of mercury and radon and their daughters, 25:28302 (CERN-70-30(Vol.1), pp 523-31)
Alpha decay of neutron-deficient radon and polonium isotopes, 25:20451
Beta-delayed proton emission from ^{115} ^{117}Xe and ^{179} ^{181} ^{183}Hg, 25:53765
Compound-nucleus aspects of beta decays with high Q values, 25:28443 (CERN-70-30(Vol.1), pp 421-33)
Coriolis coupling between the $^{7}/_{2}{}^{+}$[404] and $^{5}/_{2}{}^{+}$[402] bands, 23:19302
Decay characteristics of short-lived radionuclides, 23:21307
Delayed-proton emission from neutron-deficient isotopes of xenon and mercury, 25:28301 (CERN-70-30(Vol.1), pp 487-96)
Nuclear structureless internal conversion particle parameters in the K- and L-shells, 21:13931
On- and off-line experiments with megagauss internal magnetic fields, 22:30116
Rotational band in ^{175}Lu, 23:46993
HORNSTEIN, O. Multicentrically successive formation of the so-called roentgen-lupus-sarcoma, 22:51961
HORNSTRA, F. On-line computation and presentation of external proton beam line targeting information, 25:50374
Simultaneous multiple targeting techniques, 23:27972
HORNSTRA, F. Jr. Fast sequencing bipolar energy discharge system for the beam bumper magnet in the zero gradient synchrotron, 21:38050
Fast, wire-plane profile monitor for extracted proton beams, 23:21212
Multichannel integrator and scanner for wire plane beam profile displays, 24:13255
On-line computer monitoring and optimization of a multiple target proton beam line, 23:28135
Simple, nondestructive profile monitor for external proton beams, 23:17043
HORNSTRA, Fred Jr. Apparatus for nondestructively measuring the position and particle-density profile of an accelerator beam, 25:25589
Nondestructive beam profile detection systems for Zero Gradient Synchrotron, 22:32293 (CEAL-2000, pp 374-7)
HORNSTRA, J. Grain growth during hot-pressing of tantalum carbide, 22:28894
Semiconductor device for measuring radiation, 24:20986
HORNSTRA, Jan Semiconductor device for detecting and/or measuring radiation, 25:6540
HORNSTRUP, N. Half-life of ^{208}Tl(ThC''), 22:20591
HORNSVELD, E. M. Corrosion of carbon steel, 22:49684 (KR-127)
HORNUNG, B. Behavior of ^{51}Cr-labeled lymphocytes, 25:6741
HORNUNG, E. W. Isotope sieve for ^{4}He vs ^{3}He, 23:32286
Thermal conductivity and heat capacity of 7740 Pyrex below 4°K and in magnetic fields to 90 kG, 22:9240
Thermal conductivity of silicon dioxide glass from 0.5 to 4.2K, 23:14699
HORNUNG, F. Neutron detection probability of a digitized gas-discharge detector, 21:43235
HORNUNG, G. Effects of whole-body irradiation on rats, 24:50758
HORNUNG, Guenter Changes of α-hydroxybutyrate dehydrogenase and lactate dehydrogenase in serum and the different organs of ^{60}Co and x whole-body-irradiated rats, 21:32567
Influence of whole-body irradiation on serum protein, protein-bound hexose, and hexosamine as well as serum transaminase in rats, 22:40909
HORNUNG, R. Our 8 MeV linear accelerator, 24:10890
HORNYAK, J. High-pressure reactions. III, 21:17670
High-pressure reactions. II, 21:19656
HORNYAK, W. F. Boron-10 gamma-ray branching ratios, 23:15376
Boron-10 levels from elastic scattering of protons by ^{9}Be, 24:15806
Effective two-body force inferred from the (p,n) reaction on ^{17}O, ^{18}O, ^{27}Al, and other light nuclei, 23:25819
I-spin analogue states in A = 10 triad, 24:43174
Interpretation of the i-spin analogue states in A = 10 triad, 24:43173
Isobaric analog states of ^{10}Be—^{10}B, 23:25841
HORNYCH, A. Isotope renography in diagnosis of renovascular hypertension, 23:29653
HORNYIK, K. Models, methods, and digital computer programs for analyses in reactor dynamics, 24:2058 (EURFNR-652)
Shielding of fast breeder reactors, 23:23887
HORODNICEANU, Elena Radioactive P (^{32}P) for complex-therapy of carcinoma of breast, 21:36659
HOROSHKO, R. N. Angular correlation analysis of ^{58}Ni(p,p'γ) reaction, 24:3904
Angular correlation measurements (^{58}Ni(p,p'γ)^{58}Ni), 22:1627
Angular correlation measurements for ^{48}Ti(p,p'γ)^{48}Ti reaction, 22:53136
Electric dipole decays of 3_1^- octupole states, 24:10963
Electromagnetic transitions in ^{51}V, 25:12492
Isospin structure of low-lying Ti states, 22:32543
Properties of low-lying states of ^{58}Ni, 22:27005
Reaction independent analysis of gamma ray angular distributions from Ge(Li)-detector measurements, 23:26540
Study of analog states by the (p,n) reaction, 21:44632
Study of low-lying states in ^{46}Ti, ^{48}Ti, and ^{54}Fe, 21:40414
HOROVITZ, B. Photoproduction of the A_2 meson, 24:5232
Vector dominance and forward photoproduction of charged pions by polarized photons, 23:32651
HOROVITZ, Bernanrd Fatigue limits of certain refined alloy steels, 22:26041
HOROWITZ, A. Kinetics of γ-radiation-induced free-radical chain reactions between alkanes and chloroolefins. I, 23:40740
Kinetics of γ-radiation-induced free-radical chain reactions between alkanes and chloroolefins. II, 23:40739
Mechanism and kinetics of radiolytically initiated cyclohexyl radical addition to cis- and trans-1,2-dichloroethylene, 24:20796
Mechanism of hydrogen formation in the radiolysis of n-pentane, 22:33437
Radiation-induced chain decomposition of hexachloroethane in cyclohexane solutions, 24:13974
Radiation-induced chain reaction in solutions of tetrachloroethylene in n-pentane, 21:3114
Radiation-induced synthesis of substituted chloroolefins, 24:13913
Radiolytic hydrogen yield from solutions of chloro-substituted ethylenes in cyclohexane, 22:6335
HOROWITZ, J. French nuclear program, 23:47210 (CNM-R-2(Vol.1), pp 34-45)
HOROWITZ, Joel Tomonaga intermediate-coupling approximation, 23:36947
HOROWITZ, Joel Lawrence Investigation of the accuracy of the Tomonaga intermediate coupling approximation, 22:39411
HOROWITZ, Maria L. Effects of irradiation and starvation on the regulation of rat liver enzymes, 21:20396
HOROWITZ, Norman H. Measurement of ^{14}CO$_2$ assimilation in soils, 24:16949
Prog. rpt. on radioisotopic biochemical probe for extraterrestrial life, annual, 10/66, 23:9790 (N-66-39688)
HOROWITZ, P. Competition between biprotonic phototautomerism, excimer formation, and proton tunneling in DNA base-pairs, 25:26094 (COO-2039-9)
Null angular anisotropy of the gravitational red shift at microwave frequencies, 21:13663
Optical search for pulsations from pulsating radio source CP 1919, 22:34166
Results of a search for optical pulsars, 25:9090
Search for optical source at position of Centaurus XR-3, 25:52544
Time-of-arrival measurements of optical pulses from Crab pulsar, 25:2853
HOROWITZ, Paul Optical time-of-arrival measurements from Crab pulsar, 25:35695
HOROWITZ, R. Horizontal distribution of helium in the Earth's upper atmosphere, 25:22427
HOROWITZ, Ross Ultrasensitive method for measuring the in situ solubility of calcite and other mineral phases, 22:42896 (CU-2663-9, App.F)
HOROWITZ, S. Ionospheric absorption of downgoing whistler waves during nighttime, 25:38273
HOROWITZ, Y. S. De-excitation γ-rays in ^{15}N and ^{15}O, 25:14896
Germanium total absorption spectrometer for 100-MeV proton scattering, 22:349
Half lives of the 243-keV and 188-keV levels in ^{123}I, 21:10062
Inelastic scattering of 100 MeV protons from Mg and Si using a Ge(Li) total absorption proton counter, 23:49360
Inelastic scattering of 100 MeV protons from ^{12}C, 24:26591
Scattering chamber-cryostat for 100 MeV protons, 24:5378
Separation of particles at intermediate energies in a germanium range-telescope spectrometer, 22:350
HOROWITZ, Yigal S. High resolution proton scattering at 100 MeV, 23:46938
HORRELL, D. R. Radiolysis of liquid 1,1,2-trichlorotrifluoroethane, 25:41870

HORRELL, David R. Radiation-induced oxidation of trichloroethylene, 25:29131
  Radiolysis of oil-solvent mixtures, 25:21032 (RFP-1561)
HORRER, Paul L. Oceanographic studies during Operation Wigwam: physical oceanography of the test area, 22:10411
HORRIGAN, E. W. Univ. of Toronto solid-state interlock systems, 23:28071
  University of Toronto linear accelerator, 22:9737
HORRIYE, H. Prog. rpt. on radiation effects on silicon, 1/1/66—3/31/66, 21:34933 (N-66-30276)
HORROCKS, A. R. Emission from benzene excited by pulse radiolysis, 24:22675
HORROCKS, D. L. Direct measurement of $^{14}CO_2$ in liquid scintillation counter, 23:4811
  Thermal neutron fission of ^{233}U, 24:49911
HORROCKS, Donald L. 2-aryl indoles and methods for their use, 24:5915
  Concentration dependency of the fluorescence from solutions of 2-phenyl indole and derivatives of 2-phenyl indole. I, 23:647
  Conference on organic scintillators, Argonne, Ill., 6/66, 23:2618
  Liquid scintillation counting, 24:16852
  Measurement of transfer efficiencies and radiative transfer of aromatic solvents at very-low solute concentrations, 23:2613
  Nuclear applications of liquid scintillation systems, 25:8539
  Obtaining possible maximum of 90 percent efficiency for counting ^{55}Fe in liquid scintillator solutions, 25:32223
  Organic scintillators and liquid scintillation counting. Proceedings of the international conference, San Francisco, July 7—10, 1970, 25:32234
  Pulse shape discrimination with organic liquid scintillator solutions, 24:39238
  Scintillation measurements at very high solute concentrations, 23:2598
  Scintillation studies of organic compounds in a supercooled molten state, 22:4188
  Search for short-lived isomer of ^{204}Tl, 22:20621
HORROCKS, L. A. Changes after deuteron irradiation of brain in mice, 23:38772
HORROCKS, T. F. Assessment of reactor data in Dounreay fast reactor, 24:40926 (TRG-Report-1911, pp 387-401)
HORS, Michel Germanium junction detectors: theoretical and practical factors governing their use in radiation spectrometry, 22:16893 (CEA-R-3251)
HORSBURGH, A. G. Spontaneous rupture of the bladder, 21:16384
HORSCH, F. Construction and instrumentation of three-parameter experiment for investigation of prompt gamma radiation from fission fragment of specific mass in time range of 10^{-9} seconds after a neutron-induced fission, 24:25257 (KFK-1003)
  High precision nuclear spectrometry with semiconductor counters, 23:6305 (KFK-778)
  High-precision neutron capture gamma-ray spectroscopy, 24:47577
  New approaches in nondestructive fuel assay using induced emission of gamma rays, 23:4476
  Precision pulser with 10 ppM linearity and stability, 23:26559 (KFK-558)
  Prompt gamma rays from individual fragments, 24:30793
  Prompt gamma transitions in primary fragments from neutron-induced fission, 25:28320 (CERN-70-30(Vol.2), pp 917-30)
HORSEMAN, R. W. Liner design and construction, 23:11223
HORSEY, J. P. Eta production near threshold, 21:5357
HORSFIELD, A. M. Strip cladding of steel with stainless and nickel-based alloys. I, 22:15164
HORSKY, J. Autoradiographic localization of radioactivity in female rat neocortex after injection of tritiated estradiol, 25:42258
  Comment on thin shells in general relativity, 23:14572
  Conservation laws in general relativity, 23:23548
  Geometric interpretation of chronometric invariants in general theory of relativity, 25:53346
  Gravitational field of planes in general relativity, 22:29758
  Must it really be E = 0, 25:36581
  Plane symmetric solution of Einstein equations, 24:49603
  Thin shells in general relativity, 23:21165
HORSKY, Jifi Hydrogen peroxide determination in irradiated heavy water saturated with carbon dioxide, 21:1392
HORSLEY, A. Curve fitting and statistical techniques for use in the mechanised evaluation of neutron cross sections, 22:29838
  Mechanized evaluation of neutron cross sections, 21:7683
  Neutron cross sections of deuterium, 22:48446
  Neutron cross sections of H in the energy range 0.0001 eV to 20 MeV, 21:21410
  SPLINE: program for the evaluation of sets of experimental data, 23:21585 (AWRE-O-48/68)
HORSLEY, Anthony Evaluated neutron cross sections for deuterium, 22:29894 (LA-3271)
HORSLEY, G. W. Adsorption of He on coconut charcoal, 24:41246 (NP-10470)
  Compatability of gasket materials, 24:39625 (DP-Report-101)
  Corrosion of mildsteel, stainless steel, and inconel, 24:44656 (NP-10434)
  Development of production process for fabrication of zirconium/uranium monocarbide fuel kernels for the first charge of the Dragon reactor, 24:42197 (DP-Report-292)
  Development of UC-10 type fuel kernels, 24:51192 (DP-Report-379)
  Dragon fuel element purge system, 24:43771 (NP-9744)
  Fuel element fabrication for the Dragon Reactor Experiment, 21:15793
  Gas pressure inside coated particle fuels, 24:21447
  Gas-cooled fast reactor with direct-cycle potential, 23:37510
  Greases for lubrication of bearings in Dragon Reactor, 24:41582 (NP-10871)
  Preparation of thorium/uranium dicarbide and thoria/urania fuel kernels by sol-gel technique, 25:24619 (DP-Report-431)
  Purification of graphite, 24:36347 (DP-Report-107)
  Removing H_2 from Dragon coolant, 24:41580 (NP-9743)
  Reprocessing and refabrication of HTGR fuels in OECD DRAGON Project, 24:46302 (DP-Report-338)
HORSLEY, Geoffrey Winton Improvements in or relating to the manufacture of nuclear fuel, 23:20538
  Manufacture of articles of porous or cellular nature, 23:3133
  Manufacture of ceramic artefacts, 25:738
  Manufacture of nuclear fuel, 23:41703
  Production of nuclear fuel, 22:27512
HORSLEY, J. Chemical vapor deposition of tungsten, 23:31326 (GA-8772)
HORSLEY, J. B. Effect of neutron-bombardment on the reactivity of graphite to oxygen, 23:8347
  Electron spin resonance in neutron-bombarded graphite, 21:43680
  Reactivity of graphite to O, 25:6906
HORSLEY, R. J. Analysis of lethal responses in Oedogonium cardiacum irradiated at different cell stages, 22:17055
  Central axis depth doses, 22:43319
  Effects of ionizing radiation on free amino acids in Oedogonium cardiacum, 21:20446
  Inflexion in x-radiation survival curves, 24:9971
  Performance of 6 MeV Varian Linear Accelerator, 22:31094
  Radiation-induced division and mitotic delay studies in green alga (Oedogonium cardiacum), 25:8644
  Radiosensitivity during the cell cycle in Oedogonium cardiacum, 21:32805
HORSMAN, A. Internal relationships between skeletal parameters in twenty-three male skeletons, 25:4652 (CONF-700515-, pp 365-82)
HORSPOOL, J. M. Fabrication of uranium—plutonium monocarbide ceramics, 21:20555
  Irradiation behavior of uranium—plutonium carbide fuels, 23:10299
HORST, David R. Toward a general theory of measurement. I, 24:20226
HORST, K. Southwest experimental fast oxide reactor, 22:47023
HORST, K. M. Fuel rod design, 21:8167
  Prog. rpt. on SEFOR development program, 12/66—1/67, 21:30142 (GEAP-5442)
  Prog. rpt. on SEFOR, 5-7/66, 21:8039 (GEAP-5208)
  Prog. rpt. on SEFOR, 8—10/66, 21:19357 (GEAP-5301)
  SEFOR development activities, 22:14123 (ANL-7380, pp 15-21)
  SEFOR preoperational development program, 22:16192
HORST, R. B. Thermoelectric—thermomagnetic energy converter staging, 23:14662
HORST, T. W. Aerosol transport in a condensing-steam boundary layer, 24:46068 (BNWL-1125)
  Atmospheric turbulence studies, 24:14072 (BNWL-1051(Pt.1), pp 14-17)
  Modeling of wind component spectra, 25:48648 (BNWL-1551(Vol.2)(Pt.1), pp 138-42)
  Review of particle transport in a condensing steam environment, 22:51160 (BNWL-848)
  Turbulence studies in the atmospheric boundary layer, 24:39056 (BNWL-1307(Pt.1), pp 36-41)
  Wind tunnel for particle deposition measurements, 23:9606 (BNWL-715-3, pp 101-3)
HORST, W. Iodine-131 therapy of thyroid hyperfunction, 21:26544
  Radiodiagnosis and therapy of toxic adenoma, 22:2523
  Radiotherapy of cancer with negative pi mesons, 21:8889
HORSTER, F. A. Criteria for fractionated radioiodine therapy of hyperthyroidism, 23:31877
  Successes and failures of fractionated radioiodine therapy among 700 hyperthyroid patients, 25:11230
HORSTMAN, H. Diffuse cosmic x rays observed from balloons, 25:16862
HORSTMAN, H. M. Small solar x-ray flare on Aug. 17, 1966, 24:17553
HORSTMAN-MORETTIE, E. Diffuse cosmic x rays observed from balloons, 25:16862
HORSTMANN, H. IBM 1800 programs for data processing at accelerators of Central Bureau for Nuclear Measurements, 24:14350 (EUR-4404(Pt.1))
  Measurement of the neutron total cross section of ^{240}Pu, 22:18293
  Process control computer system in analysis of neutron cross section data, 23:39860 (CONF-690401-, pp 143-54)
  Radiation shielding for electron linear accelerator, 23:30888
  Relativistic calculations of kinematic parameters for nuclear reactions, 22:14070 (EUR-3668)
HORSTMANN, Lore-Marie Studies of the protective effect of germanin against chemical and physical stimuli in Amoeba sphaeronucleosus, 24:14522
HORST-MEYER, H. zur Influence of biaxial telecobalt therapy in gynecological carcinomas on white blood-picture, 21:36730
HORSZOWSKI, S. M. Annealing of electrical properties of electron-irradiated diamond, 25:11966
  Dependence of the resistivity of semiconducting diamond on radiation damage and annealing, 25:25220
HORTACSU, Amable Dorotan Diluent effects on diffusion for the system uranyl nitrate—tributyl phosphate—n-heptane, 25:41829
HORTIG, G. Energy accumulation of heavy ions by multiple traversal through a single tandem accelerator, 21:4156
  Ion optic system for the heavy-ion charge change accelerator, 23:27947
  Ion source for intense beams of negative heavy ions, 22:17393
  Ion source for intense beams of negative heavy ions, 23:42792 (NP-tr-1829)
  Ion source for negative heavy ions, 23:27940
  Monte-Carlo model for the heavy-ion charge change accelerator, 23:27946
  Multiatomic clusters emerging from a metal surface under ion bombardment, 23:18433
  State of studies concerning accelerator for very heavy ions, 24:49652
HORTIG, Guenther Performance of a secondary emission ion source for negative ions, 24:45677
HORTIG, Gunter Heavy-ion charge-change accelerator, 23:28132
HORTMANN, Alfred G. Thiabenzenes. III. Synthesis and properties of thiabenzene 1-oxides, 25:39501
HORTOBAGYI, G. Radiation sterilization of thyroid, 22:52098
  Radiosterilization of pharmaceutical materials, 22:52105
  Sterilization of hydrocortisone eye-ointment by γ irradiation. I, 22:52100
HORTOBAGYI, Tibor Micro-organisms in water circuits exposed to radiation of nuclear reactor Budapest—Csillebere, 22:48748
  Microorganisms exposed to irradiation in water circuits of atomic reactor at Csillebere, 22:2557
  Microorganisms in water circuits of VVR-S reactor, 21:8053
HORTON, A. D. Applications of gas chromatography in nuclear technology, 22:33257
HORTON, B. H. Ozone determinations by lunar rocket photometry, 25:47387 (ADP-106)
  Satellite measurement of upper atmospheric molecular oxygen densities, 23:42040
HORTON, C. W. Destabilization of negative-energy waves in inhomogeneous mirror geometry, 23:25401
  Negative mass instabilities, 24:10563
  Nonlocal reflection in inhomogeneous media, 22:17676
  Plasma wave reflection in slowly varying media, 21:42058
HORTON, C. W. Jr. Amplitude limitation of a collisional drift-wave instability, 25:9495
  Destabilization and quasilinear evolution of the ion flute mode, 23:48926
  Microinstabilities in axisymmetric mirror machines, 25:47570
  Numerical solution of plasma wave equation for a linear confining potential, 22:31846
HORTON, Claude Wendell Jr. Propagation and reflection of the loss-cone mode in an inhomogeneous plasma, 22:24340
HORTON, E. P. Canadian Power Reactors, 25:53883 (70-CNA-630)
  Commissioning and operating experience with Canadian nuclear-electric stations, 25:53928 (A/CONF.49/P-148)
  NPD operating experience, 22:30224
HORTON, G. K. Anharmonic contributions to the bulk modulus and characteristic temperatures of neon and argon at T = 0°K, 21:43991
HORTON, J. Design and performance of 1.5 m^2 wire spark chambers, 22:40464
HORTON, J. C. Mass spectrometer analysis of neon isotopes, 25:48435 (K-1818)
  Mass spectrometer for isotopic analysis of boron trifluoride, 22:48816 (K-L-2165)
HORTON, J. H. Bentonite as a protective cover for buried radioactive waste, 21:16096
  Determination of soil density and water content by fast neutrons and gamma rays, 24:41428
  Movement of water tagged with ^{2}H, ^{3}H, and ^{18}O through acidic kaolinitic soil, 21:40993 (DP-MS-67-55)
  Zeolite prefilter to reduce pluggage in zeolite cesium removal column, 25:18621 (DP-1245)
HORTON, J. H. Jr. Influence of waste salts on movement of Sr and Cs in Savannah River Plant soil, 22:21298 (DP-1124)
HORTON, J. Henry Influence of gravel layers on soil moisture content and flow, 23:31415 (DP-1160)
  Tritium loss from water exposed to the atmosphere, 25:32076
  Use of sand as a prefilter for ion exchange columns, 23:40968 (DP-1189)
HORTON, J. L. Anomalies in cross sections of (d,n) reactions leading to isobaric analog states, 25:15050
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 10-12/68, 23:23025 (ORNL-TM-2534)
HORTON, K. E. Effects of Na on properties of LMFBR alloys, 21:30974
  International symposium on plutonium fuels technology, 23:10155
HORTON, Kenneth E. Methods of materials selection in the nuclear industry, 22:52192
HORTON, N. R. Analytical methods for evaluating radiological aspects of the General Electric Boiling Water Reactor, 23:47095 (APED-5756)
  Dissolution and hydrolysis of methyl iodide in misting spray solutions, 23:9512 (ORNL-TM-2053)
HORTON, P. A. Uranium price schedules by UCOST code computation, 21:15784 (BNWL-312)
HORTON, P. H. Development of nuclear reactor bearings for 1500°F space operation, 25:27200 (CONF-691114-7)
  SNAP 8, control drum bearing development and evaluation history, 24:46098 (AI-AEC-12964)
  Thermal cycle testing of advanced ZrH reactor control drum bearings, 24:21410 (AI-AEC-Memo-12725)
HORTON, P. W. Observations of pulsating radio sources at 11 cm, 22:38669
  Possible relationship between radio flux density and red-shift for quasars, 21:41738
  Pulsating radio source at α = 19/sup h/19/sup m/, delta = + 22°, 22:19717

Spectrum of 387 radio sources at centimetre wavelengths. I, 23:36338
HORTON, R. M. Method and catalyst for combining hydrogen and oxygen in thorium oxide slurries, 21:26887
HORTON, R. W. Fluoride volatility processing, 21:1430 (ORNL-3995, pp 36-70)
Prog. rpt. on chemical technology, 1—3/66, 21:1425 (ORNL-3995)
Prog. rpt. on fluoride volatility processing, semiannual, 11/30/66, 21:32228 (ORNL-TM-1849)
HORTON, Robert L. Improved method for calibrating a beam-splitter at high temperature, 21:12270 (LA-3592)
HORTON, W. Low frequency stability of axisymmetric toruses, 22:46190 (MATT-617)
Low-frequency stability of axisymmetric toruses, 23:32476
HORTON, W. C. Criteria for stabilization of electrostatic modes in mirror-confined plasmas, 22:36952 (UCRL-70866)
Stabilization of electrostatic modes in mirror-confined plasmas, 23:32471
HORUBALA, A. Influence of ionizing radiation on flavonoid pigments of some berry fruits, 24:48783
Preservation of food, 24:8037
HORUBALA, Z. Sintering phenomena in Nb—Sn system with regard to Nb$_3$Sn phase, 24:27793
Solubility investigation of Sn in Nb in Nb—10 percent Sn alloys, 22:23814 (INR-877/XIV/PS)
Some problems connected with Nb$_3$Sn coatings on Nb as materials for supermagnet elements, 21:11195 (INR-749/XIV/PS)
Study in metallography hardness and structural rentgenography of powder metallurgy; Nb—25—30 percent Sn alloys after heat treatment, 22:26053 (INR-871/XIV/PS)
HORUBALA, Zenon Nb$_3$Sn superconducting phase identification in Nb—Sn alloys by critical temperature measurement method, 25:43288 (INR-1294)
HORVAT, Durda Effects of gamma rays on the ribonucleic acid and protein content of amoeba, 21:28686 (ANL-Trans-475)
Influence of gamma-radiation on the incorporation of ^{14}C-adenine and ^{14}C-phenylalanine into whole amoebae and nucleate and anucleate amoeba fragments, 21:10797
HORVAT, Robert J. Prog. rpt. on Bulgur wafer and adjuncts for fallout shelter rations, annual, 7/1/65—6/30/66, 22:40657 (AD-651224)
HORVATH, A. Anion-exchange behavior of rare earths in aqueous methanol solutions. I, 21:14296
Anion-exchange behavior of rare earths in aqueous methanol solutions. II, 21:14297
HORVATH, Arisztid Lajos Large-scale manufacturing process for separating U, Pu, and fission products by chlorination, 21:15992
HORVATH, Bert Selenium dioxide oxidations. III, 22:37766
HORVATH, E. Characteristics of gamma-ray-irradiated human immunoglobulin G, 24:34098
Simultaneous comparative peripheric oxymetric and radiocirculographic examinations with Hungarian 4-channel-radiocirculograph, 22:40806
HORVATH, Franz Reduction of radiation damage to the ossification zone in new-born rabbits, 22:38366
HORVATH, J. Synchronized chopper time-of-flight spectrometer, 25:34916 (JINR-E14-5731)
HORVATH, J. I. Hyper-geometrization of relativistic phase-space formalism. I, 22:48128
Theory of fermion density operators. I, 24:20042
Zero-point kinetic energy in relativistic fermion gases, 22:13675
HORVATH, Josef Reduction of radiation damage to the ossification zone in new-born rabbits, 22:38366
HORVATH, Jozsef Diagnostic evaluation of 10 years' material of patients with pulmonary tumor, 21:34716
HORVATH, K. Lung-scan, 23:48102
HORVATH, L. Radiometric determination of 8-hydroxyquinoline and its derivatives with CaCl$_2$ ^{45}Ca, 24:31245
Radiometric determination of oxalate, carbonate, and iodate ions, 23:37905
HORVATH, Lajos Optimum shaping of the collimator in scintigraphs, 22:6589
HORVATH, M. Depression of mitosis by γ-globulin from splenic x-irradiated animals, 24:23109
Depression of reticulocytes by gamma globulin after splenic x-irradiation, 21:41487
Factor reducing ^{59}Fe incorporation into mammalian cells, 23:35644
Low-energy gamma-sources in clinical diagnostics, 23:43814
Lung-scan, 23:48102
Simultaneous comparative peripheric oxymetric and radiocirculographic examinations with Hungarian 4-channel-radiocirculograph, 22:40806
HORVATH, P. Fast timing circuit using charge storage diode, 24:29608
Pulse shaper triggering from fixed part of the pulse amplitude of the photomultiplier, 24:33868 (JINR-P13-5065)
HORVATH, Pavel Fast electronic modules for nuclear physics experiments, 25:57786
Shaping and timing circuits, 23:40986 (EUR-4289, pp 93-4)
HORVATH, T. Mechanism of x-ray coloration in KCl(Ca), 22:48192
Model for V centers stable at room temperature in x-irradiated KCl(Ca) crystals, 21:46421
HORVATH, Z. Field theory of spin-two mesons and an equivalence theorem, 25:59570
HORVATH, Zalan Elastic pion—nucleon scattering, 23:39741
HORVATH, Zs. Calculation of the relative irradiation dose rate of a high-power gamma-source by digital computer, 24:48233
Radio-frequency alcoholic chlor benzene dosimeter, 24:44340
HORVITZ, E. Philip Spin—lattice relaxation of liquid ^{3}He and ^{3}He—^{4}He mixtures, 25:3051
HORVITZ, Ephrem Philip Spin-lattice relaxation of liquid ^{3}He and of ^{3}He—^{4}He mixtures, 21:9501
HORWITZ, E. P. A ^{244}Cm—Be isotopic neutron source, 25:14872
Decay properties of ^{249}Bk and ^{249}Cf, 23:31028
Extraction chromatography of Am, Cm, Bk, and Cf with di(2-ethylhexyl)orthophosphoric acid, 23:49914
Extraction chromatography of californium and einsteinium with a high molecular weight quaternary ammonium nitrate, 21:40968
Extraction chromatography of Cf, Es, and Fm with di(2-ethylhexyl)orthophosphoric acid, 23:17532
New properties of ^{254}Es and ^{255}Es, 21:23503
Nuclear decay properties of light einsteinium isotopes, 24:13369
Nuclear properties of ^{246}Am and ^{247}Am, 22:46806
Nuclear properties of ^{254}Md, ^{255}Md, ^{256}Md, ^{257}Md, and ^{258}Md, 25:7866
Preparation of high-purity ^{242}Cm in multicurie quantities, 23:40675 (ANL-7569)
Separation of microgram quantities of ^{252}Cf and ^{248}Cm by extraction chromatography in high-level cave, 23:24271 (ANL-7546)
Separation of milligram quantities of americium and curium by extraction chromatography, 22:25480
Tracer chemistry of trivalent mendelevium with di-(2-ethylhexyl)orthophosphoric acid, 24:2286
HORWITZ, G. Classical electron, a model for an extended charged particle, 25:38691
Classical electron, a model for an extended charged particle. II, 25:53089
HORWITZ, Harry Dose during radioisotope procedures, 24:29746 (DMRE-69-3, pp 153-71)
Medulloblastoma, 23:29678
Prog. rpt. on metabolic changes in humans following total-body irradiation, annual, 5/66—4/67, 24:9903 (AD-693104)
Prog. rpt. on radiation effects in man, annual, 5/67—4/68, 24:8007 (AD-692167)
Prog. rpt. on radiation effects in man, annual, 5/68—4/69, 25:49250 (AD-714490)
HORWITZ, J. Analogous actinide(III) and lanthanide(III) tetrad effects, 24:14013
HORWITZ, Joseph Absorption and circular dichroism spectra of RNase-S at 77°K, 25:18316 (UCLA-12-806)
Identification of ^{1}L/sub a/ and ^{1}L/sub b/ vibronic transitions in absorption spectra of indole and 3-methylindole, 24:29154 (UCLA-12-773)
Low-temperature circular dichroism of tyrosyl and tryptophanyl diketopiperazines, 24:22565 (UCLA-12-770)
Near-uv absorption bands of tryptophan, 25:20899 (UCLA-12-810)
HORWITZ, L. P. Analysis of the Serpukhov total cross section data with the algebra of vertex strengths, 25:3385
D/F ratio, N*(1400) production and representation mixing in the algebra of vertex strengths, 22:48296
Duality and representation mixing in non-chiral U(6) x U(6), 25:59549
Energy dependence of total cross-sections in the CHKN model, 23:10798
Formal scattering treatment of neutral-K meson system, 24:20124
Mass splitting dominated by tensor-meson trajectories, 24:37720
Nonlocal superpositions of K^0, anti K^0 and CP violation, 23:46672
Proton-nucleus total cross sections at 19.3 GeV/c and high-energy currents, 21:42386
Representation mixing in the algebra of vertex strengths, 23:46782
Scale of meson and baryon couplings and universality in the algebra of factorized residues, 22:37181
Spin-3/2 fields and positive definite energy, 21:44438
Suppression of Regge cuts at $t = 0$ due to universality of factorized residues, 22:13776
Unitarity sum rule for K^0 decays and CPT violation, 23:1668
Unitary sum rule and time evolution of neutral K mesons, 23:49115
Vertex-strength-algebra treatment of vector-meson photoproduction, 23:5577
HORWITZ, M. J. Computer solution of wave interaction equation, 23:44234 (AD-681774)
HORWITZ, N. Eta production near threshold, 21:5357
Neutral decay modes of eta^0 meson, 24:37604
HORWITZ, N. H. Average energy of beta spectra, 22:14111
Brain imaging with the Spintharicon, 23:33462
Pyramidal lobe in thyroid imaging, 24:12165
Resolution of a spark imaging camera (Spintharicon) with parallel channel collimators, 21:1606
Using the spark chamber for sequential imaging, 21:26547
HORWITZ, Norman H. Anatomic and functional thyroid detail as obtained with Spintharicon imaging, 22:31121
Recent improvements in the spark-imaging camera, 22:2345 (ORNL-IIC-10(Vol.1), pp 268-81)
HORWITZ, Norman Hirsch Radiation imaging device, 22:30841
HORWITZ, Paul Constraints on eta$_{+-}$ absolute value from electromagnetic C violation, 24:24323
Hard-pion calculations near the A$_1$ mass, 23:32715
Off shell πK amplitudes consistent with chiral symmetry breaking and Bjorken limit, 25:22812
Semirelativistic quark model for mesons, 21:44364
Some quark models of elementary particles, 22:11655
HORYN, Roman Regular solid solutions of U/sub 2+x/—Sc$_2$O$_3$ compounds, 22:21057
HORZ, G. Property changes of group VA metals. I, 23:46052
HORZELA, Tadeusz Secretion of ^{131}I-albumin in gastric juice in patients with gastric carcinoma, 21:17982
HOSAIN, F. Design and development of new radiopharmaceuticals, 23:48113
HOSAIN, Fazle Binding of trace amounts of ionic /sup 113m/In to plasma transferrin, 23:31615
Critical analysis on heme and non-heme iron of bone marrow with radioactive iron, 22:6727
Evaluation of ^{169}Yb—DTPA as brain-scanning agent, 24:12179
Ionic /sup 135m/Ba: a new agent for bone scanning, 25:26835
Measurement of glomerular filtration rate using chelated ^{169}Yb, 23:33598
Measurement of plasma volume using /sup 99m/Tc, and /sup 113m/In labelled proteins, 23:50258
New radiopharmaceutical for cisternography, 24:25531
Specific gamma-ray and equilibrium absorbed-dose constants for /sup 135m/Ba, 25:49198
Visualization of renal structure and function with chelated radionuclides, 24:12177
Ytterbium-169 diethylenetriaminepentaacetic acid complex, 23:6514
HOSAIN, Parvathi Measurement of plasma volume using /sup 99m/Tc, and /sup 113m/In labelled proteins, 23:50258
HOSAKA, A. Recoil tritium reactions with methylsilanes, 23:17494
HOSAKA, Akio Radiation chemistry of dicarboxylic acids in solid state. II, 21:35995
Radiation chemistry of dicarboxylic acids in solid state. I, 21:35994
HOSAKA, Shinobu Preparation of thorium carbides, 21:32966
HOSAKA, Yasutaro Chemical study on unsaturated fatty acids obtained from phospholipids of a x-rays irradiated rabbits' organs, 22:16992
HOSAKA, Yoshinobu Formation of polysulfone of olefins with SO$_2$ induced by γ radiation, 21:1386
Telomerization of ethylene with cyanogen chloride induced by γ-radiation, 21:8351
HOSAKI, Y. Structure and properties of polyethylene produced by γ-radiation polymerization, 23:7566
HOSAKI, Yoshihiko Flow method study of the gamma-ray-induced polymerization of ethylene, 21:32208
Influence of agitation on gas-phase ethylene polymerization induced by γ-rays, 22:4179
Radiation polymerization of ethylene using carbon dioxide as reaction medium, 24:44055
HOSANGDI, R. R. Half-lives of excited levels in ^{125}Te and ^{133}I, 25:3706
HOSBONS, R. R. Effect of fast neutron irradiation on mechanical properties of some stainless and low-alloy steels, 23:41679 (AECL-3363)
Effect of fast neutron irradiation on the mechanical properties of some quenched and tempered steels, 25:42909
HOSCHEK, Rudolf Roentgenologic pulmonary changes caused by rare earths, 21:8902
HOSCHL, Radmil Use of radioactive iodine in thyroid diseases, 24:7953
HOSEA, J. C. Ion cyclotron heating in model C stellarator, 23:48879
Ion cyclotron wave generation in model C stellarator, 23:51721 (MATT-673)
Ion cyclotron wave generation in the Model C stellarator, 24:18006
Ion cyclotron-wave generation in plasma, 23:36736
Magnetic surface mappings by storage of phase-stabilized low-energy electron beams, 24:40126
Mapping a toroidal magnetic field, 25:5074
Preliminary investigation of ohmically-heated plasmas in the model ST Tokamak, 25:30459 (MATT-813)
Properties of magnetic surfaces in Model C stellarator, 25:36210
Stability experiments on the ST Tokamak, 25:38470 (CONF-710607-78)
Use of a Stix coil for ion cyclotron resonance heating in non-uniform magnetic field, 23:42223 (MATT-681)
Use of Stix coil for ion cyclotron resonance heating, 25:17133
HOSEA, Joel C. Determining shape of magnetic surfaces in toroidal configurations containing plasma, 25:40690
HOSEA, Joel Carlton UHF-plasma interaction: the two-stream instability of a current-carrying plasma, 22:3143
HOSEGOOD, S. B. Design concepts for power reactors, 21:15744
Dragon fuel element purge system, 24:43771 (NP-9744)
Dragon project engineering studies on the direct cycle HTR, 25:20703
Engineering principles of high-temperature reactors, 23:37508
Helium cooling of high temperature reactors, 21:15736
Improvements in or relating to heat exchangers, 23:21865
HOSEGOOD, Samuel Britan Improvements in nuclear reactors, 25:10168
HOSEGOOD, Samuel Brittan Improvements in or relating to a method of assembling a regular polygonal article from a number of blocks, 23:37798
Improvements in or relating to prestressed concrete pressure vessels, 22:20964
HOSEIN, Amy Colony status and clinical observations in ^{90}Sr and ^{226}Ra-treated beagles, 23:12200 (UCD-472-115, pp 21-4)
Gross ophthalmologic observations of control and ^{226}Ra-exposed beagles, 23:12203 (UCD-472-115, pp 34-8)
Preliminary ophthalmologic observations in the beagle, 23:12202 (UCD-472-115, pp 32-3)
HOSEIN, Amy A. Comparative ocular effects of aging and x-irradiation in the beagle, 24:29855 (UCD-472-116, pp 25-7)
Effects of ^{226}Ra and ^{90}Sr on beagle eye, 24:29859 (UCD-472-116, pp 53-6)
Radionuclide effects on the lens protein of the beagle, 24:29860 (UCD-472-116, pp 57-9)

Treatment philosophy, colony status, and clinical observations, 24:29780 (UCD-472-116, pp 50-2)
HOSEK, B. Circadian rhythmicity in effect of irradiation on endogenous colony formation in spleen, 22:49220
Influence of Na fluoracetate on shift of LD 50/30 value, 25:35162
Radioprotective effect of AET, serotonine, natrium-fluoro-acetate, and histamine in mice, 25:26800
Radioprotective effect of sodium fluoroacetate in mice, 24:9881
HOSEK, J. Model of leptons, 24:42922 (UJV-2435-F)
Peratization of the vertex in the theory of weak interactions with W-meson, 22:17916
HOSEK, K. Effect of low doses of ionizing radiation on the initial growth and the nitrogen content of summer wheat, 25:24454
Vitamin C content of plants after γ irradiation, 21:41518
HOSEMANN, R. Detector for ionizing electromagnetic radiation, 21:1639
Neutron dosimetry with radiation elements, 25:57776
Radiation elements for dosimetry of neutrons and mixed radiation, 21:335
HOSEMANN, Rolf Detector for ionizing radiation, 21:39267
Dosimeter with transparent electrode, 24:46525
Radiation detector whose output is independent of the energy distribution of incident radiation, 22:49073
HOSFORD, W. F. Mechanical anisotropy of Zircaloy-2, 22:10969
HOSFORD, W. F. Jr. Plastic deformation of magnesium, 21:26837 (NP-16702)
HOSHI, Akio Heat transfer test loop for development of advanced thermal reactor, 24:50126
HOSHI, Akiyoshi Analysis of composition of counterfeit coin applying the back scattering of beta ray, 25:37316
HOSHI, Hiroo Changes in reticuloendothelial activity during preoperative irradiation of gastric cancer, 23:48243
HOSHI, Jyoe Separation of copper isotopes by electromigration in a cation-exchange membrane, 22:42824
HOSHI, M. Determination of Th, U(VI), and Pu(IV), 25:28982
Determination of thorium with hexammine cobalt(III) chloride, 24:41186
Spontaneous fission of ^{238}U, 21:38329
HOSHI, Michio Complexes of americium and Cm with oxine, cupferron, and N-benzoylphenylhydroxylamine, 22:33332
Precipitation of some actinide element complex ions by using hexammine cobalt (III) cation. I, 25:12980
Precipitation of some actinide element complex ions by using hexammine Co(III) cation. II, 25:44432
Precipitation of some actinide element complex ions by using hexammine Co(III) cation. III, 25:57403
HOSHI, Reiun Effect of electron capture on the temperature in dense stars, 25:8973
Evolution of carbon stars. I, 22:31537
Evolution of carbon stars. II, 22:45843
Evolution of iron stars, 24:42372
Thermal instability in a nuclear-burning shell of stars, 22:36597
HOSHI, T. Reactor noise behavior at power operation, 24:47969 (CONF-680980-, pp 227-32)
HOSHI, Tsutao Transfer function measurements by rod oscillator tests and dynamic analysis at JPDR, 24:47823 (CONF-680980-, pp 337-50)
HOSHI, Yoshio Study of the relations between glutathione and x-ray cataract, 25:42538
HOSHIDA, S. Antisymmetric treatment of ^{11}B(d,n)^{11}C in the distorted-wave Born approximation, 22:26895
HOSHINO, Akira Origin of H gas released from UO$_2$, 24:48890
Temperature dependence of gases released from UO$_2$ pellets with polyvinyl alcohol binder, 24:46232
HOSHINO, Fumihiko Conference of Japan Radiological Society, Tottori, Japan, 4/68, 23:45799
HOSHINO, Hiroshi Summation of carcinogenic effect of 4-nitroquinoline 1-oxide and β rays, 22:49588
HOSHINO, K. Energy flux of 100-300 kVp x rays, 21:14501 (UCRL-Trans-10081)
Scattering and energy loss of 5- to 30-keV electrons.in thin films, 25:25199
HOSHINO, Kazuo Electrons ejected from Al by 150-kVp to 300-kVp x-rays, 21:9340
Radioactive anomalies in the coal-bearing Miocene sediments of the Igu lignite field, Miyagi Prefecture, 22:8217
HOSHINO, Kiyoshi Differential radiosensitivity of immature brain tissue, 24:23343 (CONF-690501-, pp 755-67)
Influence of low-dose x radiation on the development and growth of the brain, 24:4687
Radiation effect on prenatal development, 25:42629
Species differences of the effects of x-irradiation upon the rat and mouse embryo, 25:11277
Species differences of the effects of x-irradiation upon the rat and mouse embryo, 25:42639
HOSHINO, Koji Production of fuels for the FCA, 22:47029
HOSHINO, Nobuo Vapor-phase graft polymerization on polymers preirradiated in air. I, 21:30463
Vapor-phase graft polymerization on polymers preirradiated in air, 21:30460
HOSHINO, Otomatsu Quantitative determination of mercury in hair by activation analysis, 21:12366
HOSHINO, S. Phase transition of crystals, 21:16964 (JAERI-1113, pp 81-3)
HOSHINO, Sadao Cryostat for neutron-diffraction experiments, 25:40578
Neutron diffractometer of Tokyo Univ, 23:29256
HOSHINO, T. Analysis of space-dependent reactor kinetics by modified Helmholtz modal expansion method, 24:47954 (CONF-680980-, pp 307-20)
Pile-oscillator measurement and theoretical study of space-dependent transfer function of a reflected assembly, 24:47971 (CONF-680980-, pp 321-35)
HOSHINO, Tadaya Study on extraction of ruthenium—nitrosyl complexes from UO$_2$(NO$_3$)$_2$—3N HNO$_3$ by 10 to 20v/o TBP/n-dodecane, 25:15725 (NP-18656)
HOSHINO, Takao Bromouridine (BUdR) as a radiosensitizing agent of malignant brain tumours, 25:4688
Radiosensitization of brain tumor cells with a thymidine analogue (bromouridine), 22:49237
Radiosensitizers in the treatment of malignant brain tumors, 22:31186
HOSHINO, Takashi Chronic lymphocytic leukemia in Hiroshima and Nagasaki, 23:16334
Leukemia in atomic bomb survivors, Hiroshima and Nagasaki, 25:21923
Leukemia in offspring of atomic bomb survivors, 22:23568
Polycythemia vera terminating in acute myelogenous leukemia with fibrosis of bone marrow, 22:51840
Role of ionizing radiation in development of leukemia, 24:14567
HOSHINO, Toshio Effect of irradiation on fluorinated silica—alumina catalyst, 24:36293
Effect of irradiation on halogen exchanged silica—alumina catalyst, 25:29111
HOSHINO, Tsutomu Adaptive control concept of reactor power distribution, 24:36013
Calculation of space-dependent reactor transfer function by few-pole expansion method, 22:35700
Calculation of thermalization of pulsed neutrons, 24:1722
Calculations of thermalization of pulsed neutrons by few-pole expansion method, 22:29835
Code SPEX-1 for one-dimensional calculation of the space-dependent reactor power excursion, 22:35718
Empirical equation of neutron diffusion system application of the experimental design technique, 25:18238
Empirical formula for neutron diffusion systems, 25:45877
Measurement of space-dependent reactor transfer function of SHE critical assembly by pile-oscillator method, 22:12105
Transfer function of SHE critical assembly, 21:40683
HOSHINO, Y. Electromotive force studies of liquid uranium—zinc alloys, 24:36909
HOSHINO, Yoshinobu Effect of radioisotopes on lymph nodes, 23:45630
HOSHINO, Yoshio Electrochemical studies of Y and Y—Zn alloys in fused LiCl—KCl eutectic, 25:13095
HOSHIZAKI, Norio Formalism of nucleon—nucleon scattering, 24:18235
High-energy nucleon—nucleon scattering, 24:18234
p—p scattering matrix in the GeV-energy region. I, 24:8680
p—p scattering matrix in the GeV-energy region. II, 24:8681
p—p scattering matrix in the GeV-energy region. III, 25:41025
Phenomenological analysis of proton—proton scattering in the inelastic region, 21:37861
Proton—proton phase shifts at 50 MeV, 22:27280
Reanalysis of proton—proton scattering data at 50 MeV, 22:13650
Recent p—p measurements at INS, Tokyo, and p—p phase shifts at 50 MeV, 21:37690
HOSINSKY, G. Spectacular activation of prominence on Mar. 25, 1967, 22:877
HOSKEN, Robert W. Nonlinear interactions of drift waves, 24:26284
HOSKEN, Robert William Nonlinear interactions of drift waves, 23:51741
HOSKIN, Charles M. Fjords as sedimentary microcosms, 25:31724 (RLO-2229-T-1-3)
HOSKIN, N. E. Use of computers in investigations on hydrodynamic aspects of reactor safety problems, 25:57102
HOSKING, R. J. Compressible resistive tearing instability in the hard-core pinch, 24:10564
Effect of Hall current and resistivity on stability of gas—liquid system, 25:19546
Effect of self-gravitation or finite ion mass on the stability of anisotropic plasma, 25:16691
Hydromagnetic stability of thin self-gravitating disks and spiral structure, 24:1219
Incompressible resistive tearing instability in the hard-core pinch, 21:42139
Rayleigh—Taylor problem for a Hall plasma, 23:12880
Stability of a self-gravitating plasma cylinder including Hall effect, 21:18764
Steady magnetohydrodynamic channel flow with anisotropic conductivity, 25:24953
HOSKINS, D. G. Right ascensions for 389 sourthern radio sources, 25:19387
HOSKINS, J. A. Instrumentation for dynamic measurements of resistance welding current and electrode force, 22:14405 (Y-1580)
HOSKINS, L. C. Infrared spectra and vibrational potential function of the perpendicular vibrations of CHF$_3$ and CDF$_3$, 25:6315
HOSKINS, Leonard Maxwell Improvements relating to core structures for gas-cooled nuclear reactors, 21:44952
Improvements relating to core supporting platforms for nuclear reactors, 21:44956
Improvements relating to supporting platforms for nuclear reactors, 21:44957
Method of assembling the core of a nuclear reactor, 21:44954
HOSKINS, Mary E. Microdimensional instability of metals, 23:33968
HOSKINS, R. E. Capital cost breakdown for comparative evaluation of advanced converters, 21:19384 (ORNL-TM-1773)
Fitting nuclear capacity into utility planning, 25:18067
Power systems optimization approach to nuclear fuel management, 25:5897
HOSLER, A. G. Enrico Fermi system dynamics and transient performance, 25:50946
Small nuclear power plants: design, construction, and operating experience, 21:5609 (COO-284(Vol.1))
Sodium-water reaction analysis of the Babcock and Wilcox prototype steam generator in the sodium components test installation, 25:49350 (APDA-265)
HOSLER, Charles R. Meteorological effects on atmospheric concentrations of radon (^{222}Rn), RaB (^{214}Pb), and RaC (^{214}Bi) near the ground, 21:3184
Natural ^{222}Rn and air pollution in Washington, D. C, 21:1464
Urban-rural climatology of atmospheric radon concentrations, 22:16712
Vertical diffusivity from radon profiles, 24:14084
HOSLER, E. R. Flow patterns in high pressure two-phase flow with heat addition, 21:28157 (WAPD-T-1824)
Flow patterns in high pressure two-phase flow with heat addition, 21:32317 (WAPD-TM-658)
HOSLER, W. R. Superconducting transition temperatures of semiconducting SrTiO$_3$, 22:1117
Superconductive properties of ceramic mixed titanates, 21:37374
Superconductive properties of ceramic mixed titanates, 21:46278 (N-67-19118)
HOSMER, Craig Federal preemption of regulation of releases of radionuclides from nuclear power plants: a legal history and rationale, 25:23213
Nuclear difficulties will be surmounted, 23:49532
Nuclear difficulties will be surmounted, 24:4022
Remarks by Congressman Craig Hosmer on nuclear materials management, 25:32162 (CONF-700541-, pp 45-55)
HOSODA, Masataka Comments on the electromagnetic form factors and mass differences, 25:12154
Existence of μ^* and duality in weak processes, 25:3350
Low energy limit of photopion-production amplitudes, 23:39648
Low-energy theorems for Compton scattering of isovector photon from spin 0 systems in chiral dynamics, 22:50330
M(12) and vector-meson production at high energy, 21:2507
P-wave decays of hyperons and axial vector mesons, 22:7477 (OU-LNS-67-7)
P-wave decays of hyperons and axial vector mesons, 22:9571
Photoproduction of eta mesons in Veneziano Model, 25:9712
Sum rule for the magnetic moment of the Dirac particle, 21:2428
Sum rules for magnetic moments of spin 1 and 3/2 nuclei, 21:2804
Weak radiative decays of hyperons and partially conserved tensor current, 22:32113
HOSOE, M. Solid-state detectors for mass distribution measurement of ^{235}U fission fragments, 23:7779
HOSOGAKI, Ryuichi Determination of Sr by atomic absorption spectrophotometry, 25:15497
HOSOI, Fumio Accelerating effect of acetylene on the γ-radiation-induced cross-linking of polyethylene, 24:31377
Effect of acetylene of γ-radiation-induced polymerization of ethylene, 22:51004
Effect of H on γ-radiation-induced polymerization of ethylene, 24:16614
Effect of oxygen on γ-radiation-induced polymerization of ethylene, 22:8136
γ-radiation-induced polymerization of ethylene, 24:2245
Study on the radiation-induced chain crosslinking and crosslinking polymerization, 25:8276 (JAERI-Memo-4147)
HOSOI, Masahiro Study of textures of polyethylene polymerized by γ-ray irradiation in gas phase, 25:144
HOSOKAWA, Iwao Functional random-walk model of the many-particle system, 24:26345
HOSOKAWA, M. Hot electron confinement in a cusped magnetic field by ECRH wrapping, 25:27677
Microwave burst at triggered instability in a hot electron plasma, 22:26387
Shell-structured electron-cyclotron plasma in a mirror machine, 23:18622 (CONF-680113-(Vol.1), pp 429-55)
HOSOKAWA, Minoru Burst of hot electron in a microinstability, 23:8636
Shell structure of a hot-electron plasma, 21:44027
HOSOKAWA, Yoshimasa Coefficient of limb-darkening for dwarfs, 22:36673
HOSOKAWA, Yutaka Lenticular damage in rabbits due to acute and chronic fast-neutron irradiations, 22:51964
Radiation cataract. I, 22:51966
HOSONO, K. Core excitation of light odd nucleus by (d,p) reaction, 22:26902
HOSONO, Kazuhiko Broad energy protons from the reaction ^{12}C + d $\rightarrow$ p + ^{12}C (7.64 MeV and 8.33 MeV), 25:43814
Continuous energy spectra of protons and alpha particles emitted by the deuteron and alpha particle reaction, 21:15482
j-forbidden (d,p) stripping reactions on ^{12}C, ^{16}O, and ^{24}Mg, 22:39589
Quasi-free α-α scattering in ^{9}Be and ^{12}C at 37 MeV, 22:22554
HOSONO, Masao Graft co-polymerization of acrylonitrile onto poly(vinyl) chloride fiber, 24:19005
Grafting of acrylonitrile onto polyvinyl chloride fiber, 24:11563 (JAERI-5022, pp 66-73)
HOSONO, Minoru Effect of x-ray on experimental inflammation of subcutaneous connective tissue, 23:14265
HOSONUMA, Satoshi Reactor core structure, 25:18195
HOSOYA, A. Nonleptonic decay of hyperons, 25:19967
HOSOYA, Akio Sagawara's current theory and chiral Lagrangian theory, 25:22880

HOSOYA, Minoru Rapid determination of hydrogen in metals by the argon gas carrier fusion-gas chromatographic method, 25:28936
HOSOYA, Sukeaki Electron state in BeO, 24:19993
HOSPES, Miroslav Application of computer in film dosimetry, 24:33946
HOSS, D. E. Retention of ^{51}Cr, ^{59}Fe, ^{60}Co, ^{65}Zn, ^{85}Sr, ^{95}Nb, /sup 114m/In, and ^{131}I by the Atlantic croaker (Micropogon undulatus), 24:17014
HOSS, Donald E. Marking postlarval paralichtid flounders with radioactive elements, 22:49205
HOSSAIN, A. Angular distribution of protons from the (d,p) reaction in ^{54}Fe, 21:29920
  Angular distribution of protons from (d,p) reactions in ^{54}Fe, 22:26945
  Gamma dose rates around a Van de Graaff accelerator, 21:23385
  Photographic emulsion plate camera for gas and solid targets, 21:6267
  Scattering chamber using semiconductor detectors, 21:6266
HOSSAIN, Anwar Nuclear structure, 22:16092
HOSSAIN, M. Radiation susceptibility of flour beetle Tribolium confusum, 23:6560
  Susceptibility of confused flour beetle to gamma radiation, 21:32727 (AECD/RB-6)
  Susceptibility of confused flour bettle to gamma radiation, 22:51962
HOSSAIN, M. A. Effect of gamma irradiation on ascorbic acid content of Amritsagar bananas, 23:35632 (AECD/RB-10)
HOSSAIN, M. M. Experimental population of Drosophila melanogaster raised on irradiated banana diet, 22:43508
  Gamma radiation of spoilage fungi of rice, 22:43487
  Irradiation preservation and disinfestation of certain tropical fruits, 23:38902 (AECD/RB-9)
  Mutagenic effect of gamma rays on the immature and mature sperms of silkworm, Bombyx mori, 23:6407 (AECD/RB-8)
  Population of Drosophila melanogaster raised on irradiated banana diet, 21:32755
  Radiation inactivation of some spoilage fungi of stored rice, 24:34834
  Radiation susceptibility of flour beetle Tribolium confusum, 23:6560
  Rice irradiation: taste panel report on organoleptic tests, 21:20453 (AECD/RB-1)
  Sericulture and role of atomic energy for its improvements, 21:4667 (AECD/RB-3)
  Stimulating effect of low dose gamma radiation on larvae of silk worm, 23:6559
  Survey and radio-sterilization doses of fungi causing spoilage of rice in storage, 21:22829 (AECD/RB-2)
  Susceptibility of confused flour beetle to gamma radiation, 21:32727 (AECD/RB-6)
  Susceptibility of confused flour bettle to gamma radiation, 22:51962
HOSSAIN, Muhtasham Sum-coincidence spectrometer and its characteristics, 21:39220
HOSSARD, A. Protection of personnel during the application of radioisotope method, 22:45579
  Use of radioactive tracers for measuring the density of the emulsion (water—steam) flowing in the water-wall tubes of industrial boilers, 22:14725
HOSSEINI, S. M. Examinations and equipment for accumulation, separation, and storage of tritium, 22:18773
HOSSEINIEH, H. Hajeb Midlatitude nighttime total electron content behavior, 23:5313
HOSSFELD, F. Anisotropy and yield of prompt γ-rays in ^{235}U thermal fission, 24:30794
  Incoherent scattering of slow neutrons by globular molecules in a cubic crystal. I and II, 23:49296 (JUL-588-FN)
  Optimization of small-angle scattering experiments with slit geometry, 23:3262 (ORNL-tr-1983)
  Pseudorandom and Markov sequences optimizing correlation time-of-flight spectrometry, 25:10850 (JUL-684-FF)
  Theory and optimization of correlation time-of-flight experiments, 25:15927
HOSSIN, Anwar Elastic scattering employing nuclear emulsion as detector, 21:39219
HOSSLI, W. Steam turbines for nuclear power plants, 22:37453
HOSSZU, J. L. Effect of temperature on the photobiology and photochemistry of bacterial spores, 22:49656
  Photochemistry of DNA films, 24:19301
  Photoproduct formation in DNA, 22:51447
  Transforming DNA irradiated at low temperatures, 23:38485
HOST, H. Effect of prednisone on bone marrow cells regenerating from total-body irradiation, 24:4646
HOSTALEK, Z. Regulation of biosynthesis of secondary metabolites. XI, 23:22440
HOSTE, J. Activation analysis of rare earths. III, 22:33248
  Activation analysis of rare earths. II, 22:33247
  Activation analysis of rare earths. I, 22:33246
  Activation analysis of rare earths. IV, 22:33241
  Activation analysis of W and As in V_2O_5 by coincidence spectrometry, 21:27907
  Activation cross-sections, determined from second-order reactions, 25:10040
  Adsorption of some elements in acetic acid medium on Dowex 1-X8, 22:35914
  Assistance of activation analysis of isotopic fractionation of rare earth oxides, 22:45008
  Average cross section of reaction ^{103}Rh(n,p)^{103}Ru in fission neutron spectrum, 22:35300
  Average cross sections of ^{28}Si(n,p)^{28}Al and ^{29}Si(n,p)^{29}Al reactions, 25:12460
  Cross sections for (n,p) reactions on Ti, 21:44656
  Determination of ^{210}Po in lead, 23:43
  Determination of ^{210}Po in urine, 25:31834
  Determination of arsenic in antimony—iron matrices by activation analysis, 21:15863
  Determination of bismuth in lead by neutron activation, 23:13675
  Determination of Cu and Bi in high-purity Pb by activation analysis, 21:42883
  Determination of Cu in Fe and steel by 14-MeV neutron activation, 24:41235
  Determination of impurities in Ti and TiO_2 by neutron activation. I, 23:6067
  Determination of impurities in Ti and TiO_2. II, 23:31318
  Determination of impurities in Ti and TiO_2 by neutron activation analysis. IV, 24:22
  Determination of impurities in Ti and TiO_2. V, 24:22616
  Determination of impurities in Ti and TiO_2 by neutron activation analysis. III, 25:55
  Determination of lanthanum in titania by activation analysis, 22:25280
  Determination of Mo in vanadium pentoxide, 24:16471
  Determination of O in steels by neutron activation, 23:17367
  Determination of rare earths by neutron activation, 24:31259
  Determination of Re in molybdenites by neutron activation analysis, 22:14440
  Determination of silicon in steel by 14-MeV neutron activation analysis, 23:87
  Determination of trace impurities in semiconductor materials, 23:35028
  Determination of trace impurities in Sn by neutron activation. I, 25:46461
  Determination of traces of arsenic in germanium by neutron activation analysis, 21:12295
  Determination of traces of iridium in rhodium by neutron activation analysis, 21:34232
  Distribution coefficients for twelve elements in oxalic acid medium on a strong anion-exchange resin, 22:33520
  Double irradiation technique in detection of nuclear interference reactions, 23:11466
  Interference from natural radioactivity in neutron activation analysis for bismuth in lead, 21:38896
  Internal standard activation analysis of silicon in steel, 23:6066
  Mean fission cross sections of ^{127}I(n,p)/sup 127m/Te, ^{127}I(n,p)^{127}Te, and ^{127}I(n,2n)^{126}I, 23:1912
  Mean fission neutron cross sections ^{45}Sc(n,p)^{45}Ca and ^{45}Sc(n,α)^{42}K, 23:13234
  Mean reactor cross section for (n,p) reaction on ^{140}Ce, 23:11039
  Mean reactor cross sections for (n,p) reactions on selenium, 21:38270
  Neutron activation analysis for gold in osmium, 21:34233
  Neutron activation analysis of high purity Se. I, 21:10279
  Neutron activation analysis of high-purity selenium. II, 22:16441
  Neutron activation analysis of high-purity selenium. III, 22:45019
  Neutron activation analysis of high-purity Se. IV, 23:24116
  Neutron activation analysis of high-purity Se. V, 23:45224
  Neutron activation analysis of iridium in osmium and experimental study of the second-order reaction, 21:12303
  Neutron activation analysis of traces in electrolytic zinc sulphate solutions. II, 22:25277
  Neutron activation analysis of traces in electrolytic zinc sulphate solutions. II, 22:25289
  Neutron activation analysis of traces in electrolytic zinc sulphate solution. IV, 23:24115
  Neutron activation of traces in electrolytic zinc sulfate solutions. I, 21:40790
  Neutron, photon, and charged particle reactions for activation analysis, 24:34
  Non-destructive activation analysis of trace impurities in Ge, 22:14441
  Oxygen determinations in steel by 14-MeV neutron activation, 25:53
  Oxygen in metals by 14-MeV neutron activation analysis, 22:1948 (EUR-3565)
  Oxygen standard for determination of oxygen in steel by 14-MeV neutron activation analysis, 23:88
  Oxygen standard for determination of O in steel by activation analysis, 24:99
  Radiochemical determination of fission products of U, 22:40023
  Second-order interference in the neutron activation analysis of arsenic in a germanium matrix, 21:2941
  Separation of fission products by electrophoretic focusing of ions. II, 22:35912
  Simultaneous determination of Os, Ru, Ir, and Au in Pt by neutron activation analysis, 22:27570
  Simultaneous determination of Si and P in cast iron by 14 MeV neutron activation analysis, 25:46465
  Some new developments in activation analysis, 22:22942
  Thin-layer chromatography of the rare earths, 21:32240
  Vanadium-51/n,α/^{48}Sc mean reactor cross-section, 23:44865
HOSTE, J. J. Separation scheme for determination of elements in biological material, 23:4544
HOSTETLER, D. R. Babcock and Wilcox 1000-MWe LMFBR follow-on study reference design, 23:47159 (ANL-7520(Pt.2), pp 215-39)
  Effect of noncoherence in fast reactor sodium voiding accidents, 24:7111
  Effects of safety on economics in a 1000-MW(e) LMFBR, 22:5970
HOSTETTLER, M. U. Separation tube. XVII, 24:5808 (MLM-1680(tr))
HOSTLER, Levere Runge—Lenz vector and Coulomb Green's function, 21:27486
HOSTLER, Levere C. Reduced Coulomb Green's function for bound-state calculations, 23:25144
HOSTOVSKY, R. Data Disc control graphics 8, 24:18813 (COO-1469-152)
  Graphics 8: graphics hardware, 1469 gear, 24:18812 (COO-1469-151)
HOT, M. Use of ^{238}Pu radiation sources in cardiac pacemakers, 25:13178
HOT, Michel Attenuation of neutrons in various protective materials, 25:18171 (CEA-N-1386)
  Validity of SABINE code in calculations on shielding of heavy and light water reactors, 25:10192 (CEA-N-1354)
HOTCHIN, John Matrix for study of microbial radiation, 24:21208
  Survival of micro-organisms in space, 22:33988
  Survival of microorganisms in space, 21:9026
HOTCHKISS, Rollin D. Metabolism and growth of gene substance: 1968, 23:48265
HOTOP, H. Angular distributions of Penning electrons, 25:30294
  Collisional ionization of long-lived highly excited atoms, 21:43794
  Reactions of excited atoms and molecules with atoms and molecules. II, 23:48737
  Reactions of excited atoms and molecules with atoms and molecules. III, 24:6371
  Reactions of excited atoms and molecules with atoms and molecules. IV, 25:992
  Reactions of excited rare gas atoms with HD, 22:29287
  Reactions of excited rare gas atoms and H, 22:50053
HOTOP, Werner Powder metallurgy in DEW, 23:46016
HOTSTON, E. S. Method for the microwave heating of plasma electrons, 22:34578 (CLM-R-78)
  Simple 4 mm microwave receiver for plasma scattering experiments, 21:9550
HOTT, A. C. New transmitted light hot stage, 22:30755
  Preparation of UC and UC—W specimens for irradiation test of value of fine-particle dispersion in control of fission gas swelling, 22:45755 (NAA-SR-12629)
HOTTA, H. Effect of alcohols on γ-radiolysis of ethylene, 24:4324
HOTTA, Hiroshi Addition reactions of ethanol to ethylene induced by gamma irradiation in gaseous phase. I, 21:23943
  Addition reactions of ethanol to ethylene induced by gamma irradiation in gaseous phase. II, 21:23944
  Autoxidation of toluene catalyzed by metal ions in aqueous solutions. I, 21:34301
  Isotope effect of H on autoxidation of benzene and toluene, 23:40657
  Isotope effect of hydrogen on the oxidation of benzene to phenol, 21:21924
HOTTINGUER-DE-MARGERIE, H. Abnormal meiotic segregations induced in yeast by ^{32}P decay, 22:23500
HOTZ, G. Action of heat and ionizing radiation on infectivity of isolated phiX-174 DNA, 22:38504
  Infectious DNA from coliphage Tl. II, 25:32630
  Radiosensitization in BU—DNA of phage PHIX-174, 22:47558
  UV-irradiated 5-bromouracil-DNA of phage, 21:41451
  UV-sensitization of phage PHI X-174 by 5-BU, 22:47560
HOTZ, Gerhart Characteristic radiosensitivity in phage, 23:16241
HOTZ, H. P. Measurement of positron annihilation line shapes with Ge(Li) detector, 22:31611
HOTZ, Henry P. Measurement of positron annihilation interactions with a Ge(Li) detector, 22:33630 (AD-663113)
HOTZLER, R. K. Recrystallization of thoriated nickel associated with impurity diffusion, 22:38583
  Thermomechanical working of Astroloy, 24:25689
HOU, S. L. Photoelectronic properties of ion-implanted CdS, 24:32930
  Type conversion and p—n junction formation in ion-implanted ZnTe, 23:25439
HOU, Wen-sou Surface barrier type solid state detector, 23:47742
HOU, Wen-sour Reaction ^{19}F(d,α)^{17}O, 24:49708
HOUARD, J. C. Singularities of vector field theory, 24:52175 (PAM-70-3)
  Symmetric description of nucleon and Roper resonance in field theory, 22:15799
HOUARD, Jean-Claude Study of a composite particle model, 21:5362
HOUBART, Yvan X-ray spectrometry apparatus having both interchangeable specimens and radiation sources, 23:743
HOUBEN, J. A. Irradiation of mortar specimens, 25:30020 (EUR-4531, pp 171-8)
HOUCK, Clarence W. Titanium—zirconium—germanium brazing alloy, 25:27229
HOUCK, David J. Efflux of ^{24}Na and ^{42}K from giant axon of lobster, 21:20109
HOUCK, J. A. Refractory metals (Cb, Ta, Mo, W), 22:4751 (NP-17109)
HOUCK, J. R. Far-infrared nightsky emission above 120 kilometers, 23:39072
  Far-infrared observations of the night sky, 23:32074
  Magnetoplasma wave device, 22:36937
  Paschen-line observations of Orion Nebula, 23:14478
  Rocket infrared observations of the interplanetary medium, 25:47296
  Rocket-infrared four-color photometry of Galaxy's central regions, 25:55783
  Submillimetre observations of the night sky emission above 120 kilometres, 25:40303
  Upper limits to electromagnetic energy radiated by normal galaxies, 25:2868
HOUCK, James Richard Propagation of helicon waves under conditions of nonlocal conductivity, 21:35167 (NYO-2150-27)
HOUCK, T. E. Far-uv filter observations of stars, 22:43780
  Observations of stars in the spectral region lambdalambda2800 to 2100, 22:43779

Ultraviolet photometry from the orbiting astronomical observatory. I, 24:42335
HOUDAILLE, Brigitte Localization of alpha emitters by damage production in thin film, 22:40320 (CEA-R-3426)
Problems encountered in $\beta\gamma$ and α autoradiography of irradiated materials, 25:48758 (CEA-CONF-1774)
HOUDAILLE, M. Cost of coated particle fuel, 24:44755 (DP-Report-340)
French presence on the uranium market, 24:50469
Safety assessment for Dragon fuel element production second and subsequent charges, 24:48207 (DP-Report-371)
HOUDAILLE, Michel Improvements in or relating to the manufacture of moulded bodies, 23:2493
Uranium market, 25:6845
HOUDART, R. Emission spectrum of Th in 5400 to 6400 cm^{-1} region, 25:43113
HOUDAYER, A. Decay of ^{68}As, 25:59747
Direct measurement of the primary photoelectron yield in sodium iodide scintillation counters, 22:16880
HOUDAYER, A. J. Scattering of 100-MeV protons by ^{11}B and ^{16}O, 24:26589
HOUDE, Raymond W. Metopimazine and perphenazine in treatment of radiation nausea and vomiting, 24:25509
HOUDEK, P. Computer calculation of dose distributions in ^{60}Co teletherapy, 24:31988
HOUDKOVA, G. A. Variability of the polarization of Z Vul, 24:25832
HOUELLE, M. French experimental research in criticality, 21:4416
HOUELLE, Michel Critical experiments carried out with a homogeneous Pu solution, 22:25078 (CEA-R-3367)
Heterogeneous poisoning of fissile-matter solutions by tubes or rings of borosilicate glass, 24:16238 (CEA-R-3931)
Neutron interaction in vessels containing U or Pu solutions, 24:22924 (CEA-R-3946)
Small pulsed reactor for neutron radiography, and underwater facility using existing pool reactors, 25:48763 (CONF-710402-(Vol.3), pp IV.86-93)
HOUGEN, Merritt L. Magnetohydrodynamic instabilities in weakly ionized, radiating plasma, 25:59066
HOUGH, A. Creep of UO_2 and $(U,Pu)O_2$, 25:11497
Length changes in actinide metals due to self-irradiation damage at 4°K, 25:11468
Low-temperature thermal expansion behaviour of α-U, 22:38991
HOUGH, C. G. Verification of nuclear materials, 25:21315
HOUGH, G. Technical basis for international safeguards, 25:51758 (A/CONF.49/P-773)
HOUGH, Gordon Development of an agency programme for safeguards systems analysis, 24:39191 (WASH-1147, pp 70-3)
HOUGH, J. H. Energy and radial dependence of air shower radio pulses, 24:42544
Level widths in ^{31}P, 22:15981
Nuclear resonance fluorescence with Compton scattered radiation, 24:43237
Nuclear resonant absorption of γ-radiation from proton capture reactions, 22:27074
Observation of radio pulses from extensive air showers at 3.6 MHz, 25:45320
Width of 1.013 MeV level of ^{27}Al, 23:37157
HOUGH, L. F. Effects of gamma rays on apple and peach leaf buds at different stages of development. I, 24:7798
Effects of gamma rays on apple and peach leaf buds at different stages of development. II, 24:25602
HOUGH, P. V. C. A_1 production in 8 GeV/c π^+D interactions, 23:23380
Bubble chamber data processing developments, 21:1565 (BNL-10673)
Coherent production of $\pi^+\pi^+\pi^-$ in deuterium by 8 GeV/c π^+, 22:41732 (BNL-12677)
Coherent production of $\pi^+\pi^+\pi^-$ in deuterium by 8-GeV/c π^+, 23:5540
Enhancements in 2 and 3 pion mass spectra in reaction of 8 GeV/c π^+ mesons, 22:41731 (BNL-12676)
Problems and progress in the integration of an FSD measurement facility and a bubble chamber physics research program, 21:41250
Role of human guidance in fast measurement system, 23:11845 (BNL-13060)
Simpler and faster mechanical flying spot digitizer for automatic film analysis, 21:6190 (BNL-9721)
Some special features of the Brookhaven real-time FSD program, 21:41251
Study of pp interactions at 28.5 GeV/c in two- and four-prong final states, 22:7434 (BNL-11980)
HOUGH, Paul V. C. Evidence for I = 1 di-pion resonance at 1.63 GeV, 21:15270
Evidence for the I = $^1/_2$N*(1400) resonance production in π^{+-}p interactions at 6 GeV/c, 22:11588
HOUGHTALING, J. E. Kinetic behavior of a UO_2-fueled PWR, 24:16160 (BNL-50117, pp 275-305)
Kinetic behavior of UO_2-fueled PWR, 23:28445
Model for analysis of fast transient reactivity effects in low-enriched oxide-fueled reactors, 21:19465 (IDO-17224)
Reactivity accident investigations with a pressurized-water reactor core in the SPERT-III facility, 22:33030
Reactivity accident test results and anlyses for SPERT III E-core, 23:21516 (IDO-17281)
Temperature-dependent kinetic behavior of the SPERT-III E-core, 22:5957
HOUGHTON, A. Attenuation of high-frequency sound in clean type-II superconductors near H/sub c2/. I, 25:25051
Change in velocity of sound at superconducting transition temperature, 24:47184
Convergence of perturbation expansions in clean type-II superconductors, 22:9247
Electromagnetic transport coefficients of gapless clean type-II superconductors, 22:44031
Linear response theory and time-dependent Ginzburg—Landau equations, 25:17101
Longitudinal ultrasonic attenuation in clean type-II superconductors, 24:3265
Longitudinal ultrasonic attenuation in type II superconductors, 24:47175
Thermal conductivity and ultrasonic attenuation in clean Type-II superconductors, 25:40528
Transport properties of clean Type-II superconductors in flux-flow regime, 25:40529
Ultrasonic attenuation in dirty superconductors, 21:33337
Ultrasonic attenuation in dirty superconductors, 22:5297
HOUGHTON, Anthony Collective excitations of two-component plasma in magnetic field, 23:44463 (AD-685889)
HOUGHTON, Arthur V. SMOPAS: Sandia matrix-oriented production assembly system, 25:3976 (SC-RR-70-645)
HOUGHTON, G. Gamma and neutron dose measurements for a thermal tungsten nuclear rocket critical experiment, 21:19448 (GA-6942)
HOUGHTON, G. K. Measurement of neutron spectra in liquid hydrogen, 21:15466 (GA-7309)
Neutron thermalization in light water, 21:25409
HOUGHTON, George Gamma and neutron distribution in a tungsten water-moderated critical assembly, 23:9212
HOUGHTON, J. Risk evaluation for stack releases, 24:689 (AHSB(S)R-173)
HOUGHTON, J. E. Endurance of bonded solid lubricant films, 23:12414 (RD/B/N-1186)
Self-lubricating composite materials for high temperature applications, 23:14395 (RD/B/N-1193)
HOUGHTON, M. J. Hot plasma theory of whistler-mode wave-packet propagation, 24:42743
Wave packets in a hot inhomogeneous plasma, 25:17242
HOUGHTON, Scott B. Emplacement hole displacement, 24:36384 (NVO-38-25)
HOUGHTON, William J. Gas-core nuclear rocket engine, 22:12078
HOUIN, Colette Determination of trace quantities of aluminum and chromium in uranium by gas phase chromatography, 25:15483
Study and comparison of analytical methods for determining molybdenum in uranium—molybdenum alloys, 23:17324 (CEA-R-3634)
HOUK, Nancy V1016 Cygni (MHα328-116), 24:19583
HOUK, Nancy Mia Photometric and spectral variations of giant M stars, 23:1075
HOUK, Theodore L. Cross section of slow neutrons on para-hydrogen, 25:38853
Measurements of the neutron—proton and neutron—carbon total cross sections at electron-volt energies, 21:37689
Neutron—proton scattering cross section at a few electron volts and charge independence, 25:45892
HOULIER, Bernard Action of x rays on alkali-metal ion-doped strontium chloride, 25:33428
HOULLIER, A. Radiolysis and pyrolysis of terphenyls at high temperature, 21:21715
HOULT, D. P. D-region mobility spectrometer, 21:43311
HOULT, David P. Theory of plume rise compared with field observations, 22:40260 (NP-17543)
Turbulent mercury jet, 22:2900
HOUMANN, J. C. Glyden Lattice dynamics of terbium, 24:35567
HOUMANN, J. C. Gylden Magnetic interactions in Tb and Tb—10 percent Ho from inelastic neutron scattering, 22:15583
Magnon dispersion relation in rare earth metals from inelastic neutron scattering, 22:24393 (CONF-670502-, pp 307-9)
Magnon energies and exchange interactions in terbium, 22:41668
Magnon energies and exchange interactions in terbium, 24:10629
HOUMANN, J. Gylden Magnetic exciton dispersion in praseodymium, 25:45600
HOUMINER, Y. Simple technique for collecting $^{14}CO_2$ under reduced pressure for liquid scintillation counting, 22:43060
HOUMINER, Z. Corotating plasma streams revealed by interplanetary scintillation, 25:45242
HOUMINER, Zvi Magnetic field-aligned ionization layers observed by Faraday rotation of satellite signals, 21:41899
HOUMINER, Zwi Determination of ionospheric electron content and its horizontal gradient, 21:11499
Ionospheric research using satellites, 24:5042 (AD-691911)
Prog. rpt. on ionospheric research using satellites, annual, 2/68, 23:18500 (AD-670585)
HOUNAM, R. F. Deposition of aerosol particles in the nasopharyngeal region of the human respiratory tract, 23:22314
Deposition of aerosol particles in the nasopharyngeal region of the human respiratory tract, 24:48368 (AERE-R-5860)
HOUPIN, B. Contamination of primary circuit of Chinon reactor, 23:13495
HOUPT, P. M. Zirconia solid solutions with rare-earth oxides, 23:12439
HOURANI, E. Photometric identification of particles stopping in bubble chambers, 21:16200
HOURANY, E. Coplanar and non-coplanar (p,2p) reactions with ^{12}C, 22:1612
Distortion in ^{12}C(p,2p)^{11}B/sub 1p$^3/_2$/ and ^{40}Ca(p,2p)^{39}K/sub 2S$^1/_2$/ in coplanar and non-coplanar geometry at 156 MeV, 25:17758
Distortion in coplanar and noncoplanar reactions ^{12}C(p,2p)^{11}B/sub 1p3/2/ and ^{40}Ca(p,2p)^{39}K/2s1/2/, 25:45942
Geometrical correction of angular correlation coefficients, 25:44595
HOURANY, Eid Distortion in reactions ^{12}C(p,2p)^{11}B/sub 1P/ and ^{40}Ca(p,2p)^{39}K/sub 2S/, 25:3565 (NP-18476)
HOURS, R. Radioisotopes, general concepts, 25:26316
HOURST, J. B. Design study of a low-energy and high-power accelerator, 25:45865
HOURTOULE, F. Castration in mammary cancer: surgery or radiation, 21:45730
HOUSE, C. R. Effect of temperature on the radial exchange of labeled water in maize roots, 22:40597
Radial exchange of labeled water in maize, 22:25729
HOUSE, F. C. Numerical investigation of possible origins of moving groups, 24:39798
Third integral for a family of high-velocity stars, 24:32539
HOUSE, L. L. Is ball lighting a nuclear phenomenon, 25:7397
Kα x-ray-type transitions in the solar atmosphere and laboratory plasma, 21:34992
Relaxation effects in an initially non-Maxwellian high-temperature theta-pinch, 21:18692
HOUSE, Lewis L. Additional resonance lines of highly ionized sulfur, chlorine, argon, and potassium, 21:39818
Coronal forbidden lines in argon I isoelectronic sequence, 23:14547
Empirically corrected calculations of coronal visible lines from the 3p^{5}3d configuration, 25:35744
Investigation of resonance-line scattering by Monte Carlo technique, 22:29206
Reinterpretation of feature at 23.28 A in solar soft x-ray spectra, 23:8403
Resonance scattering of polarized radiation in weak magnetic fields, 23:39216
Solar spicule model, 24:10283
Solar suprathermal event deduced from x-ray lines, 25:33003
Some intermediate coupling transition probabilities in Ca XV and Fe XIII, 21:37066
Survey of current coronal visible line identifications, 22:52318
Wavelengths for Kα-type x-ray lines in spectra of ionized atoms, 23:12495
HOUSE, R. K. Decompression phenomena in scaled blowdown tests with simulated core flow restrictions, 22:5951
Experimental results of reactor system blowdown and core heat transfer tests, 23:15653 (CONF-680832-6)
Fuel heatup simulation tests: FHUST, 23:28519 (IDO-17258-F)
Semiscale blowdown and ECC, 23:28516 (IDO-17258-C)
HOUSE, Reginald K. Scintillation scanning of liver cell adenoma, 25:58046
HOUSE, William Albert Changes in glucose biokinetics in postnatal lambs, 23:41205
HOUSE, Winifred Regeneration of thymus grafts. II, 21:22713
HOUSEHOLDER, A. S. KWIC index for matrices in numerical analysis, 23:45163 (ORNL-4418(Vol.1))
KWIC index for matrices in numerical analysis. II, 24:33591 (ORNL-4418(Vol.2))
KWIC index for numerical treatment of nonlinear equations, 25:8155 (ORNL-4595)
HOUSEKNECHT, Clyde R. Movements, activity patterns, and denning habits of striped skunks (Mephitis mephitis) and the exposure potential for disease, 25:51275 (COO-1332-59)
HOUSELY, R. M. Evidence for interstitial Co in In by Moessbauer spectroscopy, 21:29356
HOUSEMAN, Barton L. Cadmium activity in its alloys with a small amount of gold from the emf of stirred h cells, 23:11380 (LA-4031)
Liquid structure as deduced from precise thermodynamic measurements, 22:690 (LA-DC-8804)
Prog. rpt. on mechanisms of fallout particle formation, 3/67, 22:51095 (NDL-SP-16)
HOUSEPIAN, Edgar M. Staging and megavoltage technic for cerebellar medulloblastomas, 24:12209
HOUSER, B. L. Disposal in natural salt formations, 24:39174 (ORNL-4446, pp 12-16)
Disposal of high-level radioactive wastes in salt mine, 24:14233
Operating experience, 25:32192 (ORNL-4555, pp 124-60)
Results of the operation of Project Salt Vault, 25:51778
HOUSER, F. N. Guidebook for field trips to Nevada Test Site, 23:21806 (NTS-79)
Information and ideas regarding sinks and collapse, NTS, 24:16730 (USGS-474-41)
Near-surface sink structure, Nevada Test Site, 24:14054 (USGS-474-36(Rev.1))
Sequence of surface movement and fracturing during sink subsidence, NTS, 24:22773 (USGS-474-56)
Subsidence related to underground nuclear explosions, 24:20932
HOUSER, Franklin D. Doctrine of res ipsa loquitur in radiation injuries, 24:29767 (DMRE-69-3, pp 266-82)
HOUSER, H. G. Probability analysis of the use of nuclear capacity in a hydroelectric system, 23:31106 (CONF-690113-4)
Projection of nuclear fuel cost trends, 25:10100
Projection of nuclear-fuel cost trends, 24:29032
HOUSER, H.-G. Prospects for fuel-cycle economics in the United States, 24:46695
HOUSER, Hugh G. Hydro availability as it affects operation of thermal generation, 24:18537
Is there a mills/kwh fallacy, 24:13557
HOUSER, J. F. Pressure type liquid level gages, 25:44726 (NBS-10396)
HOUSER, Robert W. α-chlorodicyclopropyl sulfone. Its synthesis and behavior toward bases, 25:31912
HOUSER, T. J. Liquid scintillation counting: data analysis and computers, 24:29562
HOUSER, Wallace D. Multiple tumors in a Macaca mulatta monkey, 24:39559
HOUSKOVA, M. Inhalation of radioactive nuclides in insoluble compounds, 24:41872
HOUSKOVA, Marie Evaluation in cases of inhalation of radioactive nuclides mixture, 23:38560
HOUSLEY, R. M. Analysis of Debye—Waller factor and Moessbauer thermal-shift measurements. II, 22:7399

Coherence and polarization effects in Moessbauer absorption by single crystals, 23:23271
Convenient source of nearly monochromatic linearly polarized ^{57}Fe gamma-rays, 22:37056
Moessbauer Faraday effect, 22:36980
Polarization effects in Moessbauer absorption by single crystals, 24:40195
Sign determination of magnetic hyperfine field, 22:22239
HOUSNER, G. W. Analysis of ground motions at San Onofre Nuclear Generating Station April 9, 1968, 24:33811
Recommended seismic design criteria for a nuclear facility at Brasimone, Italy, 25:26018 (RT/ING-(70)1)
Seismic design criteria for nuclear facility at Brasimone, Italy, 24:29405 (RT/ING-(70)1)
Seismic design criteria for nuclear facility at Brasimone, Italy, 24:29404 (RT/ING-(69)25)
HOUSSAY, Alberto B. Kinetics of calcium metabolism in thyroidectomized rats, 21:22259
Nervous and hormonal control of structure and ^{131}I uptake by the submaxillaries, 22:12768
HOUSSEAU, Maurice Carbide type compounds: phase diagrams and properties, 24:51218 (CEA-CONF-1589)
Influence of fission products on properties of mixed oxides (UPu)O/sub 2 +- x/, 25:47159
HOUSSEAU, N. Dechanneling of α particles by dislocations occurring in Al, 25:36307
Diffusion and solubility of Pu in Al, 22:41051
Phase diagram Pu—Zr, 23:27107 (LA-tr-69-2)
Study of the Pu—Zr phase diagram, 21:45948
HOUSSEAU, Nicole Diffusion and solubility of plutonium and uranium in aluminum, 25:29867
HOUSSEAUX, O. Tests on nuclear fuel safety carried out on Pegase reactor, 25:54182 (A/CONF.49/P-580)
HOUSSIN, B. Deformation and rupture of Nb between -196°C and 20°C, 25:19217
HOUSTECKA, I. Radiochemical methods of ^{90}Sr dosimetric control in cereals, 25:15753
HOUSTON, D. CAGE-BIRD-SPEC: a package FORTRAN-V system for the reduction and analysis of neutron time-of-flight spectra, 25:23393 (GULF-RT-10195)
Time-of-flight spectra in subcritical systems, 23:37733
HOUSTON, D. B. Nuclear and cytoplasmic radiosensitivity of conifer pollen, 24:42028
HOUSTON, D. H. Crystal-binding effects on Doppler broadening of neutron absorption resonances, 24:40656
Fast reactor spectrum measurements. Quarterly progress report for the period ending April 30, 1970, 24:36064 (GA-10146)
Neutron thermalization in light water, 21:25409
Prog. rpt. on integral neutron thermalization, 1—3/70, 24:38059 (GA-10060)
Prog. rpt. on integral neutron thermalization, 6/68, 22:48414 (GA-8773)
Prog. rpt. on integral neutron thermalization, 10—12/68, 23:23603 (GA-9194)
Prog. rpt. on integral neutron thermalization, annual, 10/67—9/68, 23:28211 (GA-9036)
Prog. rpt. on integral neutron thermalization, 1—3/69, 23:37064 (GA-9326)
Prog. rpt. on integral neutron thermalization, quarterly, 4/1—6/30/69, 23:46894 (GA-9489)
Prog. rpt. on integral neutron thermalization, annual, 10/68—9/69, 24:26573 (GA-9753)
Prog. rpt. on integral neutron thermalization, 10—12/69, 24:33080 (GA-9901)
Prog. rpt. on integral neutron thermalization, 4—6/70, 25:9943 (GA-10223)
Prog. rpt. on integral neutron thermalization, final, 12/30/70, 25:34423 (GULF-RT-10469)
Reference manual for ENDF thermal neutron scattering data, 24:49677 (GA-8774)
HOUSTON, E. Thermoluminescence studies of irradiation effects in molecular solids, 23:35173
HOUSTON, J. E. Auger excitation by internal secondary electrons, 23:34261
Characterization of the ionic species incident on the cathode in a glow discharge, 25:28891 (SC-RR-710122)
Ionization spectroscopy of surfaces, 24:16453
HOUSTON, J. T. Application of electron metallography to precipitation studies of Hastelloy N, 21:43626 (ORNL-P-3336)
Effect of gas bubbles on recrystallization of tungsten, 25:2736
Effects of structural imperfections on voids in aluminum, 25:58298 (ORNL-TM-3493)
Growth of grain boundary gas bubbles in chemically vapor deposited tungsten, 22:6969
Heterogeneous distribution of irradiation voids in iron, 24:42175
Hot cracking in fusion welds in tungsten, 24:23465
Void coarsening in high purity aluminum during postirradiation annealing, 25:45099
HOUSTON, James G. Catalysis of α-hydrogen exchange. VI, 21:35966
HOUSTON, John M. Plasma physics of thermionic converters, 21:41854
HOUSTON, M. D. Compressive creep of UO$_2$—22 percent PuO$_2$, 25:4861
Prog. rpt. on fabrication of composite fuel form of ^{238}PuO$_2$, 9/16/68, 24:46766 (BMI-1849)
Prog. rpt. on program to develop composite fuel forms of ^{238}PuO$_2$, final, 9/69, 24:46768 (BMI-1869)
Prog. rpt. on program to develop composite fuel forms of ^{238}PuO$_2$, 3/69, 24:46767 (BMI-1860)
Thermal creep of polycrystalline UO$_2$—PuO$_2$, 25:11496
HOUSTON, Margaret K. Scattering from imperfectly conducting spheres: numerical results, 22:26383 (SC-R-68-1692)
HOUSTON, Margaret L. Response of a terminated two-wire line buried in the earth and excited by a plane-wave rf field generated in free space, 21:32062 (SC-DC-67-1782)
HOUSTON, R. E. Jr. Effective recombination coefficient in the lower ionosphere, 23:25231
Sensitive radio receiver for ionospheric measurements, 23:26626
HOUSTON, Robert E. Observations of cosmic-ray event of April 18, 1965, 21:5098
HOUSTON, Robert S. Geologic history of Wyoming related to U, 24:19107
HOUSTON, S. K. Elastic scattering of zero-energy electrons by helium atoms, 23:5234
Elastic scattering of zero-energy positrons by hydrogen and helium atoms, 22:24050
Positron annihilation in helium, 22:24049
Positron—atom scattering by Kohn and Harris methods, 25:19509
Simplified model for positronium—helium scattering, 25:24888
HOUSTON, W. V. Motion of magnetic flux through superconducting strips, 22:1113
HOUTERMANS, F. G. Isotopic investigations for determination of the origin of Roman lead tubes and lead bars, 21:175
HOUTERMANS, H. Coincidence counting rates with delay, 21:1629
Fast testing of the performance of radiation counters by single-channel counting, 21:1635
P/sub L/sub I//P/sub K/ capture in ^{133}Ba, 23:44895
Tracer methods for calibrating ^{55}Fe, 21:5825
HOUTERMANS, J. Effect of industrial fuel combustion on ^{14}C level of atmospheric CO$_2$, 22:6493
HOUTERMANS, J. C. Tritium in mixed layer of the North Pacific Ocean, 22:6506
HOUTGAST, J. Equator—pole effect in strong solar Fraunhofer lines, 24:3095
Geomagnetic activity around conjunction and opposition of planets, 21:39790
High-dispersion continuous ultraviolet solar spectrum and Balmer-jump, 22:17287
Observational method for absolute intensities in the solar spectrum, 25:13874
Occurrence and possible meaning of the Nimbus, 23:36424
Variations in line profiles from photosphere to chromosphere, 24:37130
HOUTMAN, J. P. W. Activation analysis applied to sediments from various river deltas, 23:21667 (CONF-681003-11)
Arsenic content of human hair, 24:136
Determination of chromium content in human skin by neutron activation analysis, 23:4572
Determination of trace elements by neutron-activation analysis, 23:24119
Graft copolymers of paper cellulose produced by ionizing radiation, 23:45306 (IRI-133-69-6)
Measurement of radioactivity in effluents of a gas chromatograph. II, 23:13661
Mercury in the environment, 25:57392
Neutron activation analysis used in environmental pollution problems, 25:51403 (A/CONF.49/P-19)
Oxygen determination by ^{16}O(t,n)^{18}F reaction, 22:27595
Oxygen determination using triton activation, 21:1304
Oxygen determination using triton activation, 21:12330
Processing of radioactive waste in the Netherlands, 22:33505
Radiolysis of liquid n-pentane, 22:33405
Radiometric determination of moisture in gases, 22:14698
Resisence-time distributions in laminar flows and during the passage of granular solids through rotary kilns, 22:14715
Sorption of trace elements in human hair, 23:4580
Use of electrophoresis and chromatography for the separation and quantitative determination of radioactive iridium compounds in normal and carrier-free amounts, 22:33400
HOUTZEEL, A. Model for computing ^{133}Xe migration in MSRE, 21:31945 (ORNL-4069)
Remote gamma spectrometry for fission product deposition studies, 24:5605
Spray, mist, bubbles, and foam in the molten salt reactor experiment, 24:46044 (ORNL-TM-3027)
HOUTZEELL, A. Deposition of fission products in a Molten Salt Reactor system, 24:7210
HOUVER, J. C. Differential measurements on ion—atom collisions in range 500 eV to 3000 eV. III, 24:17682
HOUVIEZ, Jacqueline Intrinsic bound states of nucleons in highly deformed nuclei, 23:19324 (CEA-R-3645)
HOUWING, H. Effect of irradiation on Anisakis larvae in salted herring, 24:2857
Effect of irradiation on Anisakis larvae in salted herring, 24:34830
Effect of irradiation on the keeping quality of packaged cod flesh, 24:2856
Irradiation of fish and fish products, 22:2559
HOUX, N. W. H. Liquid scintillation radioassay of thin-layer chromatograms, 23:43763
HOUYEZ, A. Concrete in prestressed reactor pressure vessel, 21:17541
HOUYVET Residual atmosphere above ionic pumps and its evolution after stopping the pump, 22:16851
HOUYVET, A. System U—Th—C, 24:39684 (DP-Report-69)
HOUYVET, Alain Device for hermetically closing a fuel element, 23:31456
Insulating device for a fuel element, 25:57195
Trials carried out on corrosive (fluorinated) atmosphere vacuum gages, 21:6326 (CEA-R-3055)
HOUZIAUX, L. Conference on ultraviolet stellar spectra and related ground-based observations, Lunteren, Netherlands, 6/69, 25:43031
Spectra of irregular variable V 348 Sagittarii in the vicinity of maximum light. I, 23:16568
HOUZIAUX, Leo Emission lines in spectra of Nova Delphini 1967 between 8400 and 9600 A, 24:17425
Nebular and coronal lines in the infrared spectrum of Nova Delphini, 24:17431
Spectral evolution of Nova Delphini 1967, 25:16649
Spectrum of Nova Delphini 1967 since October 1967, 23:18294
Triplet (OI) at 7772 A in the B3-A0 stars of the principal sequence. I, 21:9276
HO-VAN-HOA Elastic scattering by a potential of compound singular type, 24:37956
Elastic scattering by a singular potential, 24:17698
Wentzel—Kramers—Brillouin approximation in scattering by singular potential, 25:33505
HOVEKE, G. F. Design and construction of multiple-unit nuclear power plants, 22:16218
HOVEN, J. $K^{-}p \rightarrow \Sigma^{+-}\pi^{-+}$ between 1730 MeV and 2150 MeV, 25:7554 (UCRL-19790)
Study of Σ (1915) resonance in reaction $K^{-}p \rightarrow \Lambda\ \pi^{0}$, 25:9659 (UCRL-19789)
HOVENIER, J. W. X-ray spectra produced by thermal bremsstrahlung, 21:7239
HOVENKAMP, S. G. Determination of residence times and residence time distributions by the integrated pulse method, 22:16784
HOVERTER, R. T. Artifical injection of electrons into the geomagnetic field by Teak and Orange, low-altitude bursts of 1958, 24:47138
HOVESTADT, D. Detector system for cosmic ray electrons, 24:44322
Energy spectrum of extraterrestrial electrons, 24:6388
Flux profile of protons measured in 1967 at equator, 25:55957
Mass spectrometric method for identification and nuclear spectroscopic study of short-lived fission products, 21:31793
Solar particle event of March 1970, 25:58892
Time variation of low-energy protons in the inner radiation belt, 25:1073
HOVEY, G. K. GETR adapts to changing needs, 24:20612
HOVI, V. Phase transitions in ammonium and deutero-ammonium halides, 25:106
Specific heats of ErAs and ErSb at low temperatures, 24:26328
HOVI, Vaeinoe Modifications I—IV of NH$_4$Br and ND$_4$Br, 23:17422
HOVI, Vaino Thermal and optical bleaching of x-ray irradiated KClO$_3$ crystals, 22:7385
HOVIG, Torstein Thorotrast in reticuloendothelial system, 23:26672
HOVING, R. Hydraulic press for compressing radioactive waste, 21:1492
HOVLAND, David N. Solid phase radioimmunoassay utilizing polypropylene discs, 24:19284
HOVORKA, John Magnetic flux-trapping experiment with a moving conductor, 24:3129
HOWARD, A. RBE of 14 MeV neutrons, 23:43885
HOWARD, A. J. 4.04-MeV ^{19}Fstate, 22:26872
Data acquisition system for gamma spectroscopy, 24:44308
Low-lying levels of ^{24}Ne, 24:38169
Low-lying negative-parity states in ^{23}Ne, 24:1803
Mirror state structure in ^{23}Na and ^{23}Ne, 24:49837
Reaction ^{22}Ne(d,p)^{23}Ne, 24:43276
Reactions ^{20}Ne(d,p)^{21}Ne and ^{22}Ne(d,p)^{23}Ne, 25:5618
Reactions ^{21}Ne(p,d)^{20}Ne and ^{21}Ne(d,p)^{22}Ne, 25:3633
Studies of ^{37}Ar via ^{36}Ar(d,pγ)^{37}Ar reaction, 25:25679
Studies of ^{41}Ar from the ^{40}Ar(d,pγ)^{41}Ar reaction, 21:19229
Studies on some low-lying levels of ^{23}Ne, 21:31759
Studies on the ^{22}Ne(d,pγ)^{23}Ne reaction, 21:19230
Thermal diffusion in polyatomic gases, 23:6141
HOWARD, Alma Biological effectiveness of high-energy protons, 23:35853
Chloroplast aberrations in irradiated fern spores, 23:6425
Current topics in radiation research. IV, 22:40552
Current topics in radiation research. III, 22:40878
Current topics in radiation research. V, 23:38775
Dose-modifying factors and inhibitors of repair, 25:4574
Radiation depigmentation of mouse hair, 23:22347
Radiation responses of fern spores during their first cell-cycle, 25:8614
Recovery in split-dose experiments with Oedogonium, 23:26957
Response of hemopoietic colony-forming units to γ rays or neutrons, 25:24383
Role of oxygen in repair process, 25:11304 (BNL-50203, pp 70-81)
Test systems for use in radiobiology, 23:14284
HOWARD, B. Tritiated water in the measurement of milk intake and tissue growth of ruminants in the field, 23:31632
HOWARD, B. W. Prog. rpt. on protection analysis and construction evaluation system, final, 1/13/65—1/15/66, 21:36558 (AD-650930)
HOWARD, B. Y. Calibration of instrument for measurement of radon concentrations in mine atmospheres, 23:22052
Radiation chemical reactions of olefins with methanethiol and with methylsilanes and of dimethylamine, 22:21091 (JINR-P9-3402)
Radiation chemical reactions of olefins with methanethiol and with methylsilanes and of dimethylamine, 23:9421 (JLI-3655-200)
HOWARD, Barbara M. Resolution and efficiency in electronmicroscopic autoradiography using radioactive calcium, 23:38393
HOWARD, Barry C. Computer code for the analysis of digitized seismic signals, 25:8382 (UCRL-50939)
HOWARD, C. G. Sigma^{-}K^{+} enhancement in the reaction $\pi^{-}p \rightarrow \Sigma^{-}K^{+}\pi^{0}$, 21:44288
Strange particles in $\pi^{-}p$ interactions at 5.0 GeV/c, 22:41735 (COO-1428-72)
Study of the rho^{0} meson formed in $\pi^{-+}p \rightarrow \pi^{-+}\pi^{0} + n$ between 1.38 and 3.00 GeV/c, 22:3437
HOWARD, C. L. Control rod oscillator tests, Garigliano nuclear reactor, 22:20813 (GEAP-5534(Pt.1))
Development program on Garigliano Nuclear Reactor, 23:11115 (GEAP-5645)
Prog. rpt. on Garigliano nuclear reactor, 4/66, 21:19356 (GEAP-5144)

- Prog. rpt. on Garigliano nuclear reactor, 1/67, 21:31934 (GEAP-5277)
- Prog. rpt. on Garigliano nuclear reactor, 4/67, 21:38455 (GEAP-5473)
- Prog. rpt. on Garigliano reactor, 7/66, 21:1163 (GEAP-5190)
- Prog. rpt. on high power density development project, 12/65—5/66, 21:502 (GEAP-5126)
- Prog. rpt. on high power density development project, 6—11/66, 21:19359 (GEAP-5405)

- HOWARD, Charles F. Jr. Extraction of chromatographically isolated fatty acids from liquid scintillation fluid, 22:10188
- HOWARD, Charles Gordon Single pion production in pion—proton interactions between 1 and 3 GeV, 21:35269
- HOWARD, Charles L. Jet pumping system for a nuclear reactor, 23:2142
- HOWARD, Charles Lewis Improvements in jet pumps and reactor pumping systems, 23:28464
- HOWARD, D. E. Differential effect of hydroxyurea on hemopoietic stem cell colonies in vitro and in vivo, 24:32206
- HOWARD, Donald Pattern of stem cell repopulation in heavily irradiated mice, 24:17008
  - Recovery of erythropoiesis in heavily irradiated mice, 23:43804
- HOWARD, Donald E. Effect of preirradiation of recipient mice on the proliferation of transplanted hemopoietic stem cells, 25:24393
- HOWARD, Donald G. Lattice-dynamical properties of ^{57}Fe impurity atoms in Pt, Pd, and Cu from precision measurements of Moessbauer fractions, 22:46212
- HOWARD, E. B. Biological effects of inhaled plutonium, 24:25557 (BNWL-1221, pp 6.1-61)
  - Cocarcinogenic studies in pulmonary carcinogenesis, 25:6662 (BNWL-SA-3552)
  - Conference on myeloproliferative disorders of animals and man, Richland, Wash., 5/68, 25:581 (CONF-680529)
  - Experimental myeloproliferative and lymphoproliferative diseases of swine, 23:33849
  - Immunosuppressive effect of chronic ^{90}Sr administration to miniature swine, 25:10984
  - Stimulation of porcine splenic cultures by radiation-induced lymphoid leukemia filtrate, 23:16384
  - Strontium-90 induced hematopoietic neoplasms in swine, 25:586 (CONF-680529-, pp 379-401)
  - Strontium-90 induced neoplasms of swine, 25:495 (CONF-680529-, pp 453-65)
  - Strontium-90-induced bone tumors in miniature swine, 23:45634
  - Strontium-90-induced leukemogenesis in swine, 25:588 (CONF-680529-, pp 703-20)
  - Studies in pulmonary carcinogenesis, 25:32530 (CONF-700501-, pp 417-36)
- HOWARD, E. V. Chino uses radiation logging for studying dump leaching processes, 22:40431
- HOWARD, Edgar Radioisotope-induced, negative surface charge for thrombus resistance, 25:4434
- HOWARD, Edward G. Legal problems in the transportation of radioactive materials, 23:558 (CONF-681001-, pp 124-35)
- HOWARD, Edwin B. ^{90}Sr: effects of chronic ingestion on farrowing performance of miniature swine, 24:44595
  - Induction of hematopoietic neoplasms by feeding of ^{90}Sr, 24:32226
  - Morphology of lung tumors in dogs, 25:32527 (CONF-700501-, pp 147-60)
  - Strontium-90 induced neoplasia in swine, 22:6865 (BNWL-SA-1418)
  - Studies of inhaled radon daughters, uranium ore dust, diesel exhaust, and cigarette smoke in dogs and hamsters, 25:8623 (BNWL-SA-3419)
  - Uranium mine air contaminants in dogs and hamsters, 24:25558 (BNWL-SA-3027)
- HOWARD, Elizabeth B. Conference proceedings in the Document Collection Section, Central Research Library, 22:10138 (ORNL-TM-2063(Pt.A))
- HOWARD, Ephraim Manasseh Application of Moessbauer effect in determination of phase diagrams, 21:34255 (UCRL-50262)
  - Application of Moessbauer effect in determination of phase diagrams, 22:39189
- HOWARD, F. T. Information guide for users of the Oak Ridge Isochronous Cyclotron, 22:3561 (ORNL-TM-2004)
  - Prog. rpt. in electronuclear physics, annual, 12/31/68, 23:32893 (ORNL-4404)
  - Prog. rpt. on electronuclear research, annual, 12/67, 22:35365 (ORNL-4217)
- HOWARD, Fred T. High-energy accelerators, 1967, 22:7575 (ORNL-AIC-1)
- HOWARD, George E. Operation of the UCLA Argonaut reactor at 0.5 MW, 24:7203
- HOWARD, H. C. Role of the integral-operator method in the theory of potential scattering, 21:17192
- HOWARD, H. T. Cislunar electron content, 21:29145
  - Cislunar electron content as determined by radar group delay measurements, 21:33259 (N-67-15900)
  - Optical and radio observations of NP 0532, 23:27277
  - Simultaneous observations of a pulsating radio source over a 5000-km baseline, 22:49973
- HOWARD, H. W. Full analysis of a potato chimera, 23:38884
  - Use of x-rays and other methods in investigating potato chimeras, 22:6781
- HOWARD, Hillard H. Determination of ^{12}Be ground-state mass, 25:59716
- HOWARD, J. A. Rate constants for the self-reactions of n- and sec-butylperoxy radicals and cyclohexylperoxy radicals, 22:21076
- HOWARD, J. C. Origin of antibody-forming cells from lymphocytes, 24:9788
- HOWARD, J. G. Immunogenicity of phagocytosed T4 bacteriophage, 24:2586
  - Immunological paralysis. I, 23:50381
  - Inhibitory effect of Corynebacterium parvum on graft-versus-host disease, 22:40537
  - Protective effect of Corynebacterium parvum against homologous disease, 23:47983
  - Use of reticuloendothelial function for studying graft-versus-host reaction in the presence of potential host-versus-graft reaction, 21:16499
- HOWARD, J. K. Ion-implantation damage in thin metal films, 25:17282
- HOWARD, J. M. K- and L-shell electron shake-off in the beta decay of ^{204}Tl, 25:59792
- HOWARD, James E. First- and second-order corrections to the magnetic moment for linear multipoles, 22:36887
  - Nonadiabatic harmonic oscillator, 24:42689
- HOWARD, James Edward Nonadiabatic particle motion in linear and toroidal multipole fields, 25:5091
- HOWARD, James O. Block in-plant radiation by design, 25:28572
- HOWARD, Jerry Measurement of oxygen effect and biological effectiveness of a 910-MeV helium ion beam using cultured cells (T1), 25:16142 (UCRL-20190)
- HOWARD, Jonathan C. Cellular events during the formation of antibody, 23:17938
- HOWARD, Judith B. Catalase levels and radiation resistance in wild duck, 23:45645
  - Relation between catalase and sensitivity to x radiation in mice, 23:45784 (ANL-7535, pp 95)
  - Sensitivity of acatalasemic mice to acute and chronic irradiation, 22:45626
- HOWARD, K. J. Extraction performance of Harwell variable energy cyclotron, 25:31103
  - Harmonic operation of Harwell variable energy cyclotron, 25:31115
- HOWARD, L. N. Solar spin-down problem, 21:33059
- HOWARD, Leroy E. Jr. Human radioactivity counter and medical van, 25:49192
- HOWARD, Lorn L. Prog. rpt. on impedance characteristics of irradiated thin films, final, 6/65—8/67, 23:26629 (N-68-20347)
- HOWARD, M. Jr. Radiolysis of o-carborane in benzene solution, 24:9350
- HOWARD, N. C. Conversion of a beta-gamma hot cell for examination of plutonium-enriched fuel capsules, 22:4407
  - Isotope production at General Electric's Vallecitos Nuclear Center, 21:45320
  - Operating General Electric's alpha cell, 24:462
- HOWARD, Olin H. Cartridge-type vacuum lock for a thermal-ionization mass spectrometer, 22:18723
  - Simultaneous determination of U, its isotopes, and alpha activity in urine by mass spectrometry, 22:51654
  - Vacuum-lock actuator and ion-source positioner for a surface ionization mass spectrometer, 23:41134 (K-1776)
- HOWARD, R. Distribution of large-scale magnetic fields on sun, 23:22847
  - Interplanetary sector structure and solar radio emission, 22:36667
  - New reactor protection system, 25:51249
  - Patterns of active region magnetic field development, 23:36361
  - Solar activity and recurrences in magnetic-field distribution, 23:32114
  - Solar sources of recurrent geophysical effects, 23:30262
  - Spectrum of granular and intergranular regions, 24:10299
- HOWARD, R. C. Converter SD-4 design and summary of test results, 23:21522
- HOWARD, R. H. Discriminator for nuclear counting applications, 23:9797
  - True random ratemeter with automatic dead-time correction, 23:9702
- HOWARD, R. L. Alpha particle pressure gauge for high altitude constant level balloon flights, 22:38123
- HOWARD, R. M. Optoelectronic measurement, 25:26088 (BDX-613-276)
- HOWARD, R. W. Investigation of the analytical capabilities of x-ray emission induced by high energy alpha particles, 25:31824
- HOWARD, Robert Differential rotation of the photospheric magnetic field, 24:44906
  - Five-minute oscillations in the solar magnetic field, 25:49632 (AD-713856)
  - Large-scale pattern in the solar magnetic field, 23:10412
  - Large-scale velocity fields of the solar atmosphere, 25:16719
  - Magnetic classification of active regions, 23:36363
  - Magnetograph observation of photospheric brightness, velocity, and magnetic fields, 22:43798
  - Persistent solar magnetic pattern extending over equatorial latitudes, 22:31560
  - Photospheric magnetic field rotation, 25:7068
  - Solar velocity fields: 5-min oscillations and supergranulation, 24:3099
  - Solar velocity fields: five minute oscillations and supergranulation, 23:44100 (AD-687768)
  - Some observations bearing on the problem of the short-period oscillations, 22:29139
  - Spectroscopic determinations of solar rotation, 24:28017
  - Structure of the solar chromosphere. II, 21:3603
  - Velocity fields in the solar atmosphere, 22:914
- HOWARD, Robert H. Ratemeter with automatic dead-time correction, 25:37586
- HOWARD, Roland M. Recent advances in high-speed x-ray thickness gaging of steel strip, 25:21461
- HOWARD, Ronald A. Fuel elements, 23:28637
- HOWARD, Russell A. Ion densities in the night ionosphere, 24:23860
- HOWARD, Russell Alfred Ion densities in the night ionosphere, 25:17036
- HOWARD, T. A. Proposed time-of-day clock utilizing digital magnetic logic, 21:38847 (SC-TM-64-1681)
- HOWARD, Thomas A. 100-MHz ultrasonic glass delay line memory, 25:46400 (SC-DR-710169)
- HOWARD, Thomas C. Tissue damage and tumor cure probability for irradiation given under different tissue oxygenation in mice, 22:547
- HOWARD, V. C. Changes induced in polycrystalline alumina by fast neutron irradiation, 21:20604
  - Fabrication and properties of large-diameter tubes and coatings in pyrolytic silicon carbide, 23:22640
  - Radiation-induced changes in porous cubic silicon carbide, 21:20605
- HOWARD, V. J. Measurement of nuclear interactions in plastic scintillators, 23:29171
  - Polarization of Σ^- in $\pi^- + p \rightarrow \Sigma^- + K^+$ at 1130 MeV/c, 23:18814
- HOWARD, W. M. Explosive nucleosynthesis in helium zones, 25:30067
- HOWARD, Walter J. Trans-attack and post-attack communication requirements for fire fighting operations and control, 21:14341 (AD-643170)
- HOWARD, Wayne H. Effects of acute exposure to high-energy protons on primates, 22:12926
- HOWARD-FLANDERS, Paul DNA repair, 23:24591
  - DNA repair and genetic recombination, 21:24372
  - DNA replication and recombination after uv irradiation, 23:48269
  - E. coli mutants defective in DNA repair, 23:12045 (AEC-tr-6646/4A, pp 7-9)
  - Genetic recombination induced by uv light, 24:31934
  - Metabolic response to uv light of a recombination deficient mutant of E. coli K12, 21:22814
  - Mutants of E. coli K-12, 23:24594
  - Properties of DNA transferred from irradiated Hfr cells, 23:16267
  - Repair and reconstruction of chromosomal DNA, 25:11007 (BNL-50203, pp 1-13)
  - Replication of DNA containing photoproducts and uv-induced genetic recombination, 23:16276
- HOWARD III, William E. Neutral H in the vicinity of open clusters, 22:52393
  - Search for strong lines in range 20 to 25 GHz, 23:48649
  - Search for strong radio spectral lines in the range 12.4 to 15.1 and 15.3 to 17.3 GHz, 25:9058
- HOWARTH, A. J. Improvements in glove boxes, 24:36472
- HOWARTH, David Panama: four hundred years of dreams and cruelty, 23:9604
- HOWARTH, John L. Acute radiation injury in neonatally thymectomized germ-free mice. Hematopoietic and morphologic consequences, 25:26937
  - Acute response of germ-free and conventional mice to ionizing radiation, 23:20345
- HOWARTH, N. Corrections to Benoist diffusion coefficients for CAGR-type lattices, 24:38622 (RD/B/N-1645)
- HOWARTH-THOMPSON, S. Colicine I factors defective for uv protection, 23:50955
- HOWARTH-THOMPSON, Sheila ColI factors on the lethal and mutagenic effects of uv radiation, 21:24526
  - Colicine I factors defective for colicine production, 23:50945
- HOWAT, D. D. Mass transfer effects in a stainless steel—liquid-lithium uranium carbide system, 24:42058
- HOWDEN, D. G. Feasibility of resistance welding in hard vacuum, 23:22503
  - Nature of weld surface ripples, 23:22504
  - Resistance welding in hard vacuum, 24:12383
- HOWE, Clifton D. Regional pulmonary function in metastatic carcinoma to the lung studied with ^{133}Xe, 25:19048
- HOWE, D. A. Instrumental effects that may influence beta spectral shape measurements in magnetic spectrometers, 22:49105
- HOWE, D. G. Prog. rpt. on metallurgical characteristics of high strength structural materials, 12/65—3/66, 21:6795 (AD-641262)
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 4—6/66, 21:13151 (NRL-6513)
- HOWE, Everett D. Sea water conversion at the University of California, 22:14631
- HOWE, F. A. Differential pumping tube for electrostatic accelerators, 21:38004
  - Ion beam slow pulsing injector system for 2MV Van de Graaff, 24:45618 (AWRE-O-29/70)
  - Magnetically suppressed accelerator tubes, 21:38003
  - Magnetically suppressed accelerator tubes for electrostatic accelerators, 23:27951
  - Production of a nanosecond-pulsed He^{++} beam from a 5.5-MeV van de Graaff, 22:29815
- HOWE, Frederick Albert Improvements in or relating to particle accelerating tubes, 22:35176
  - Particle accelerating tube having axially localised transverse magnetic fields and field-free regions, 23:1745
  - Pumping tubes of electrostatic particle accelerators, 22:1556
- HOWE, H. Novel instrumentation for radiation monitoring at NAL, 25:50454
- HOWE, H. Branch Jr. Nature of photoactivation in Neurospora crassa, 21:36767
- HOWE, H. Herbert Ionospheric electron-density profiles with continuous gradients and underlying ionization corrections. II, 22:1057
- HOWE, H. J. Jr. Shielding of external proton tunnel area of Argonne's zero gradient synchrotron, 21:23359 (ANL-7273)
- HOWE, Harry J. Radiological safety in the design and operation of particle accelerators, 24:44516 (CONF-691101-, pp 31-41)
- HOWE, Herbert C. Jr. Pioneer 6 plasma measurements in magnetosheath, 24:12690 (N-70-11247)
  - Pioneer 6 plasma measurements in the magnetosheath, 24:26069
- HOWE, I. Hydrogen scrambling in organic ions as a function of internal energy. Extension of the energy range, 24:33668
  - Unimolecular decomposition of toluene and cycloheptatriene molecular ions, 25:18393
- HOWE, J. P. Economic potential of variable enrichment fuel elements for power reactors, 21:2852
- HOWE, J. R. Hazards to ^{131}I estimation in thimerosal preserved milk, 21:15839

HOWE, John P. Conversion of heat to electricity by electrochemical means using UO$_2$ melt, 22:27723
HOWE, Joseph W. Radiation exposure to a phantom patient during simulated chiropractic spinal radiography, 25:46837
HOWE, L. M. Direct observation of radiation damage produced in Cu, Au, and Al during ion bombardments at low temperatures in the electron microscope, 22:21741
Effect of temperature on penetration of heavy keV ions in monocrystalline solids. II, 22:994
Electron displacement damage in cobalt in a high voltage electron microscope, 25:7471
HOWE, M. S. Gravity-coupled MHD waves in the Sun's atmosphere, 23:22841
HOWE, W. G. Monte Carlo criticality calculations for thermal reactors, 21:38547
HOWELL, Barbara F. Kinetics of iodine exchange between zinc iodide and n-propyl and n-butyl iodide in acetonitrile, 23:2273
HOWELL, D. F. Simple circuit for obtaining the electron energy distribution in a plasma, 24:6523
HOWELL, D. M. Concentrations of ^{222}Rn in coal mines in England and Scotland, 22:48918
Measurement of unattached fraction of airborne RaA, 23:41018
Method for measuring concentrations of short-lived daughter products of ^{222}Rn in atmosphere, 23:4830
Relationship between unattached fraction of airborne RaA and concentration of condensation nuclei, 24:11704
HOWELL, E. D. Use of radioisotopes to determine molten metal mixer efficiency in steel making practice, 22:14722
HOWELL, Francis V. Laser effects on vital dental pulps, 24:6117
HOWELL, J. F. Design and evaluation of a laboratory neutron generator, 23:34704 (GEPP-63)
Detection of strains in tube envelope glass frames, 22:7942 (GEPP-13)
Digital oscilloscope plug-in units for instant waveform analysis, 24:36645 (GEPP-73)
Extended range gap, 23:9278 (GEPP-48)
Field releases of codling moths sterilized by tepa or by gamma irradiation, 24:34825
HOWELL, James N. Mechanical fasteners for high temperature structure, 24:14720
HOWELL, John Quayle Collisional effects on waves in a magnetoplasma, 25:25180
HOWELL, K. Solutions of Eu and Yb metals in liquid ammonia, 24:4278
HOWELL, L. N. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)
Calculations for small deflections in walls of radio frequency cavities, 22:11751 (ORNL-TM-1990)
Heavy-ion accelerator facility featuring a separated-sector isochronous cyclotron, 25:31084
Oak Ridge 50 MeV S.O.C. development program, 22:41895 (RHEL/M-124, pp 109-32)
Recent progress on a supercurrent separated orbit cyclotron, 21:29763
Separated-orbit cyclotron (4 MeV), 23:28044
HOWELL, P. J. Note on the sporulation of some seed borne fungi under near ultra-violet light, 21:6736
HOWELL, R. C. Surveillance and inspection programs for LACBWR reactor pressure vessel, 22:42209 (SwRI-1228-P-11-8)
Track assembly for inspection of upper recirculation header on LACBWR, 23:9098 (SwRI-1228-P-11-10)
HOWELL, R. W. Health of workers in the United Kingdom Atomic Energy Authority, 24:48473
HOWELL, T. F. Attenuation of radio waves by troposphere over frequency range 0.4 to 10 GHz, 22:22010
Galactic radio spectrum, 24:44941
Spectrum of 3°K cosmic microwave radiation, 22:7127
HOWELL, W. D. Effects of contaminants in methane as a proportional tube counting gas, 24:5898
Effects of contaminants in methane as a proportional tube counting gas, 24:44261
HOWELL, W. P. Calibration and field use of ionization chamber survey instruments, 24:9633 (BNWL-SA-2096)
Ionizing radiation: survey and control techniques, 23:4803 (BNWL-SA-2108)
HOWELLS, G. Parry Review of ^{210}Pb metabolism, 23:22186 (NYO-3086-8, pp III.1-18)
HOWELLS, G. R. Degradation of Na alginate by γ-irradiation and by oxidative-reductive depolymerization, 25:29159
Dietary phosphorus supplementation on the uptake of radioactive Sr in rats, 21:16266
Entry into the Windscale advanced gas-cooled reactor pressure vessel, 21:46879
Uptake and elution of ^{45}Ca, ^{85}Sr, ^{133}Ba, and ^{226}Ra in bone powder, 22:8455
HOWELLS, Gwynne Parry Auger electron dosimetry, 23:22289 (NYO-3086-8, pp IX.1-19)
Metabolic studies of ^{210}Pb in adult baboon, 23:22187 (NYO-3086-8, pp IV.1-33)
HOWELLS, H. Criticality incident: August 24, 1970, Windscale Works, 25:39680
Environmental monitoring in emergencies, 25:16171
Planning for large-scale accidents causing environmental contamination, 24:7825
Review of some past emergencies with consideration of their public health implications, 24:7878
Trench disposal of solid radioactive waste from Windscale and Calder Works of UKAEA, 22:16795
HOWELLS, M. R. Stripline pulser for spark chambers, 24:29570
HOWELLS, P. Low energy ion—molecule reactions in oxygen, 22:29303
HOWELLS, R. J. W. Data handling system for sonic spark chambers, 21:39208
Small-angle d—p elastic scattering, 23:21051
The real part of the spin-independent forward scattering amplitude in elastic nucleon-nucleon collisions, 21:42260
HOWER, C. O. Replacement reactions of hot chlorine atoms in chlorofluoromethanes, 25:54688
HOWER, Charles O. Excitation functions for the (π^-,π^-n) reaction on ^{12}C and ^{19}F, 21:19193
HOWER, G. L. Comparisons between calculated ionospheric absorption and riometer measurements, 25:9289
Further comparison of spread-F and backscatter sounder measurements, 23:39391
Phase-height measurements of E region, 25:35983
Removal of errors from monthly median absorption curves, 22:47999
Riometer quiet day curves, 22:2952
HOWER, Glen L. Theoretical model of synchrotron radiation and comparison with observations, 21:9465
HOWERTON, R. J. Calculation of photon production cross sections and spectra from 4- to 15-MeV neutron induced reactions, 23:5765
Computer-oriented neutron data storage and retrieval system, 21:5462 (UCRL-50132)
Evaluated nuclear cross section library, 25:59783 (UCRL-50400(Vol.4))
Formalism for calculation of neutron-induced gamma-ray production cross sections and spectra, 22:30067
Incident energy dependence of fission spectra, 24:8928 (UCRL-50755)
Index to experimental data of neutron-induced reactions, 25:28356 (UCRL-50400(Vol.3))
Integrated system for producing calculational constants for neutronics and photonics codes, 23:5772
Integrated system for production of neutronics and photonics calculational constants. I, 22:29832 (UCRL-50400(Vol.1))
Integrated system for production of neutronics and photonics calculational constants. II, 25:25611 (UCRL-50400(Vol.2))
Neutron radiography and dosimetry in human beings, 25:49184
Thresholds for ^{4}He induced reactions, 21:27578 (UCRL-14005)
Thresholds for deuteron-induced reactions, 21:27540 (UCRL-14002)
Thresholds for gamma-induced reactions, 21:29968 (UCRL-14006)
Thresholds for neutron-induced reactions, 21:29966 (UCRL-14000)
Thresholds for proton-induced reactions, 21:27576 (UCRL-14001)
Thresholds for triton-induced reactions, 21:29967 (UCRL-14003)
Thresholds of ^{3}He induced reactions, 21:27577 (UCRL-14004)
HOWERTON, Robert Recipe for gamma ray production cross sections for nuclides with A greater than or equal to 20, associated with 4 to 14 MeV neutron induced reactions, 21:11992 (UCRL-50185)
HOWERTON, Robert J. Computerized library and evaluation system for integral neutron experiments, 23:37086
Computerized library and evaluation system for integral neutron experiments, 23:39906 (UCRL-71584(Rev.1))
Integrated system for production of neutronics and photonics calculational constants, 25:20237 (UCRL-50400(Vol.9))
Neutron radiography and dosimetry in humans: theoretical studies, 24:44538 (CONF-691101-, pp 843-59)
HOWES, A. D. Manganese determination in mammalian bone by neutron activation analysis, 23:49764
HOWES, A. E. Changes in proportions and absolute numbers of hypoxic cells after irradiation, 23:43851
Reoxygenation during fractionated irradiation, 25:11220 (BNL-50203, pp 234-41)
Reoxygenation of tumors after irradiation and cell population kinetics, 23:41356
Time-dose relations in radiotherapy, 24:48648
HOWES, Arol Dean Effect of dietary anomalies on manganese metabolism, 24:25386
HOWES, B. W. Materials testing reactor 25 +- 1 keV neutron beam, 23:37631
Measurements of fast-neutron capture integrals in CFRMF, 25:5656
MTR 25-keV neutron beam, 23:52408 (IN-1308)
HOWES, J. E. Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific interoceanic canal: analyses of environmental samples, 24:29721 (BMI-171-29)
Prog. rpt. on radionuclide and stable element analyses of environmental samples from Amchitka Island, Alaska, annual, 11/68, 25:16072 (BMI-171-110)
HOWES, J. H. Beryllium: a reappraisal of its use in nuclear radiation detectors, 23:35456 (AERE-M-2193)
Channel n FET's for low noise nuclear pulse amplifiers, 23:41035 (EUR-4289, pp 35-41)
Characteristics of large-area ion-implanted p—n junctions for detectors, 25:18756
Encapsulated lithium drifted germanium diode for gamma ray spectrometry, 21:3261
Gamma-ray spectrometer systems using lithium drifted germanium detectors, 22:45316 (AERE-R-5703)
Performance of germanium detectors for gamma-ray spectrometry, 23:22085
Small germanium detector with near perfect collection, 23:43541
HOWES, James E. Jr. Investigation of techniques for sampling and analysis of iodine under simulated reactor accident conditions, 21:46838 (BMI-1814)
HOWES, R. H. Helium refrigerator for Moessbauer studies, 23:8548
Moessbauer effect measurements of quadrupole moment ratios in states of $^{182\ 184\ 186}$W, 24:3951
Moessbauer measurements of quadrupole-moment ratios of first excited 2^+ states of $^{176\ 178\ 180}$Hf, 25:5668
HOWES, V. R. Oxide growth and spalling on Fe—Cr alloys, 23:3027
HOWETH, Marvin S. Boron-epoxy systems in action, 23:27157
HOWEY, George R. Nuclear training at Ontario Hydro, 21:47054
HOWGATE, David W. Quantum field theory of lattice vibrations in the harmonic approximation, 23:5671
HOWICK, Lester C. Prog. rpt. on precipitation from homogeneous solutions of mixed solvents, final, 12/69, 24:13807 (ORO-2954-3)
HOWIE, A. Channelling effects in high-resolution scanning electron microscopy, 25:40785
Diffraction model of channelling of charged particles in crystals, 22:31916 (BNL-50083, pp 15-29)
Electron energy loss in inhomogeneous alloys, 24:1043
Interpretation of electron planar channelling data, 24:42792
HOWIE, J. M. Role of human guidance in fast measurement system, 23:11845 (BNL-13060)
HOWIE, R. A. Neutron activation analysis for Cu in biological material applied to Wilson's disease, 22:33253
HOWIESON, J. Canadian nuclear industry, 25:53887 (A/CONF.49/P-155)
Fuel for Canadian power reactors, 25:53888 (A/CONF.49/P-156)
Nuclear reactor fuel rod with contacting warts, 22:25175
HOWL, D. A. Prediction of creep collapse pressures and times for nuclear fuel cladding, 23:30035
Theoretical analysis of cladding stresses and strains produced by expansion of cracked fuel pellets, 24:6201
Theoretical analysis of cladding stresses and strains produced by expansion of cracked fuel pellets, 24:46128
Thermal conductivities of Mo and W knitmesh pellets, 24:4788
HOWLAND, Joe W. Effect of dose-rate on the acute lethal response of dogs, 22:40884
Microwave radiation and its effect on response to x-radiation, 21:20370
Prog. rpt. on biologic effects of microwave exposure, final, 1958—65, 22:554 (UR-49-810)
Radiation time-intensity and pathophysiologic correlations in whole and partial-body x-irradiated beagles, 22:33907 (UR-49-913)
HOWLAND, W. L. An application of refractory metals to an instrumentation problem, 21:9159
HOWLETT, B. W. Magnetization measurements and Curie point of Sc$_3$In, 22:17791
Shear transformations from gamma-phase in U—Mo alloys containing 6.0 to 12.5 at. percent Mo, 24:42155
Superconductivity of alpha uranium, 21:5226
HOWLETT, L. Carl Rocket instrumentation for auroral measurements: Aerobee 3.615, 23:44232 (AD-681464)
Rocket-borne auroral x-ray instrumentation, 21:6188 (AD-636530)
HOWLETT, R. Cavitation bubble dynamics: some experiments and computations, 22:25602
Some experiments on ultrasonic cavitation using a pulsed neutron source, 22:25603
Timing of sonoluminescence flash, 21:41886
HOWLEY, J. R. Radiation hazards from x-ray diffraction equipment, 22:28518
HOWLEY, John R. Health physics considerations in the use of radioactive foils for gas chromatography detectors, 24:12065
Radiation dosimetry in full-chest tomography, 25:37812
Thermoluminescent radiation dosimetry applied to dental x-ray exposures, 23:16323
HOWLING, D. H. Electronic transition in cerium hydride, 25:1315 (CONF-700403-(Vol.1), pp 310-21)
HOWRY, S. SLAC control room consolidation: software aspects, 25:50378
HOWRY, S. K. SLAC beam switchyard control computer, 21:38128
HOWRY, Sam Concise on line control system, 21:17215 (SLAC-PUB-248)
HOWRY, Sam K. TRANSPORT/360: computer program for designing charged particle beam transport systems, 24:43084 (SLAC-91)
HOWSE, James Lebert Jr. Relativistic Thomas—Fermi model of compressed atom, 24:17700
HOWSMON, A. J. Atomic scattering from a perfect crystal, 21:29003
HOWSMON, Alan Johnston Dynamic scattering of particles by perfect crystals, 21:33544
HOWTON, David R. Gamma radiolysis of oleic acid, 21:15950
HOXIE, Donald C. Sur-pak and physical radiation protection survey of dental x-ray equipment in Maine, 21:12857
HOXIE, Dwight T. Structure and evolution of stars of very low mass, 24:46880
HOXIE, Dwight Thomas Structure and evolution of stars of very low mass, 24:10231
HOY, Gilbert R. Chemical and structural effects on nuclear radiations, 21:17412
Coincidence Moessbauer spectroscopy, 25:56367
Coincidence-Moessbauer spectroscopy, 22:50248
Effective field parameters in iron Moessbauer spectroscopy, 21:42195
Magnetically induced quadrupole interactions in FeCr$_2$S$_4$, 22:39209
Possibility of magnetically induced quadrupole interaction in FeCr$_2$S$_4$, 22:46250
Prog. rpt. on coincidence-Moessbauer studies of solid state phenomena, 6/70—5/71, 25:28864 (NYO-3973-8)
HOY, H. C. Research and development safety, 23:6453 (Y-OA-212)
Research safety, 21:10877 (ORNL-P-2656)
Vacuum pump explosion, 23:43441 (Y-1685)
HOY, H. R. MHD cycles and large-scale experiments. VI, 22:5189

- HOY, J. E. A thermoluminescent personnel neutron dosimeter, 24:29587
  - Background radiation at Savannah River Plant, 22:2245
- HOY, John E. Savannah River Plant criticality dosimetry system, 23:2662 (DP-1006(Rev.1))
  - Tritium enrichment by gas-solid chromatography: technique for low-level analysis, 22:40200
- HOY, R. D. Effect of solar eclipse on phase of long-path vlf transmissions, 23:39375
  - Effects of an annular solar eclipse on phase of VLF transmissions, 25:9105
- HOYAUX, M. F. Fast randomization of electron gas, 23:12791
  - Fast-randomization phenomena in an unstable plasma-sac configuration, 21:42128
  - Gvosdover effect in a low-pressure arc constrained by its own magnetic field, 25:9441
  - High-intensity arcs of noncylindrical shape, 23:48918
  - Magnetic self-striction in low-pressure mercury arc, 24:49167
  - Plasma phenomena and the solid state, 22:24311
  - Rapid maxwellisation of an electronic gas by confined electro-acoustic waves, 22:24326
- HOYAUX, Max Theory of ionized media with distant walls, 22:1942 (SC-T-67-0951)
- HOYAUX, Max F. Arc physics, 23:36664
  - Fast randomization of an electron gas by trapped electroacoustic waves, 22:13479
  - Low-pressure arc positive column in a longitudinal magnetic field, 22:44135
  - Theoretical analysis of effects of a monatomic impurity on low-pressure metal arc discharges in a noble gas matrix, 23:39473
- HOYE, J. B. Analysis of ionization profiles in low pressure shock tubes, 22:29288
- HOYE, Robert Laser destruction of chemically induced hepatomas, 22:4675
- HOYE, Robert C. Dissemination of viable tumor by high-energy neodymium laser, 21:41458
  - Effect of high energy laser pulses on the primate liver, 21:11082
  - Irradiation twenty-four hours preoperatively, 24:32136
  - Laser destruction of experimental tumors, 22:28594
  - Noble gas ion laser as a light knife, 21:11102
  - Potentiation of laser oncolysis with pretreatment x-irradiation, 21:45703
  - Surgeon's appraisal of the laser, 22:31129
  - Use of a high energy Nd laser on malignant tumors, 22:43358
- HOYEN, H. A. Jr. Space charge distribution at silver chloride—aqueous solution interface, 22:7954 (NYO-3228-9)
- HOYER, E. Amphoteric ion-exchange resins. II, 21:30372
  - Dithiolene chelates of uranium with cis-1,2-dicyanoethylene-1,2-dithiolate, 24:2188
- HOYER, E. H. Prestressed-core hollow-strap-coil test magnet for the Omnitron, 21:27473 (UCRL-17268)
- HOYER, F. Radiolytic corrosion and related problems in the cooling water circuits of high-energy particle accelerators, 22:18043 (CERN-68-2)
  - Radiolytic corrosion in copper cooling water circuits, 23:30880
  - Reproducible measurements of ^{55}Fe in inactive iron as a tracer with liquid scintillation counter, 23:19977
- HOYER, F. E. Induced radioactivity in the earth shielding on top of high-energy particle accelerators, 23:13145 (CERN-68-42)
- HOYER, P. Crossing and isospin symmetric description of anti KN $\pi\pi$ anti Λ system using generalized Veneziano model, 25:59488
  - Crossing-symmetric description of the complex $K^+K^-\pi^-$pantin, 25:50141
  - Exotic reactions in inclusive experiments, 25:47888
- HOYER, Paul Consistency condition for crossing symmetric Regge behaved amplitudes, 23:32845
- HOYER, U. Atomic stopping cross section of H_2, D_2, He, N_2, and Ar for α particles, 25:36256
- HOYER, Wilmer A. Remote control of a radioactivity logging tool, 24:14145
- HOYERMANN, K. Rate of the reaction of atomic hydrogen with acetylene. II, 25:29043
- HO-YI, Lai Surface self diffusion on tungsten by the mass transfer method, 22:15202
- HOYLE, D. B. Report on competitivity as achieved in the United States, 22:1801
- HOYLE, F. Condensation of dust in galactic explosions, 22:38677
  - Condensation of the planets, 22:13125
  - Condensed objects in the Crab Nebula, 23:18293
  - Cosmology and electrodynamics, 23:6870
  - Cosmology and quantum electrodynamics, 22:41171
  - Cosmology and quantum electrodynamics, 23:34249
  - Dust in supernova explosions, 24:27908
  - Effect of quantum conditions in a Friedmann cosmology, 25:7120
  - Electrodynamics of direct interparticle action. I, 23:46803
  - Electrodynamics of direct interparticle action. II. Relativistic treatment of radiative processes, 25:17564
  - Galactic cosmic-ray origin of Li, Be, and B in stars, 24:37292
  - Galaxies, nuclei, and quasars, 21:41746
  - Gravitational red shifts in quasi-stellar objects, 21:11371
  - Impurities in interstellar grains, 21:28938
  - Interstellar grains, 23:41869
  - Log S—log Z diagram for radio galaxies, 24:42490
  - Magnetic fields and highly condensed objects, 23:46233
  - Nature of mass, 25:58667
  - On a wavefunction picture for the direct particle theory of gravitation and electromagnetism, 21:33569
  - Origin of low-energy cosmic rays from outside the solar system, 22:5167
  - Pulsed radio sources, 22:23966
  - Quantization of Wheeler—Feynman electrodynamics, 24:24196
  - Quasi-stellar objects, 22:36676
  - Radio waves from grains in H II regions, 24:42410
  - Relation between the red-shifts of quasi-stellar objects and their radio magnitudes, 21:6945
  - Review of recent developments in cosmology, 23:10422
  - Solid hydrogen and the microwave background, 22:38696
  - Some coincidences between wavelengths of absorption features in HZ 29 and in quasi-stellar objects, 21:20693
  - Some restrictions on models of quasi-stellar objects, 21:9281
  - Space distribution of identified quasi-stellar objects and radiogalaxies, 22:2721
  - Synthesis of elements at very high temperatures, 21:20620
- HOYLE, Fred Problem of the quasi-stellar objects, 21:3588
- HOYNACKI, J. J. Availability and cost of ^{10}B for reactor control, 25:5975
  - Availability and cost of ^{10}B for reactor control, 25:51720 (NUMEC-3292-20)
  - Cascade instrumentation, 24:11859 (NUMEC-3292-13)
- HOYNACKI, Jerome J. Material balance: boron isotope separation columns, 22:21157 (NUMEC-3292-3)
- HOYOS, Jorge Meneses Biological effects of ionizing radiation and means of protection against it, 25:4524
  - Radiations in human genetics, 24:44463
- HOYT, E. W. Superconducting niobium cavity measurements at SLAC, 25:50311
- HOYT, H. C. Designing resonant cavities with LALA computer program, 21:5431 (LA-DC-8255)
- HOYT, H. K. Operating and maintenance experience with BWR power plants, 21:27746
- HOYT, Harlan H. Charting the startup of a nuclear plant, 24:26706
- HOYT, J. L. Neutron radiography applications at General Electric, 22:4376
- HOYT, Martha S. Structure of a magnetically driven plane shock wave in a plasma, 21:46331 (LA-3674)
- HOYTE, A. Prog. rpt. on neutron activation techniques for mineral exploration, annual, 8/66, 22:18694 (TID-23668)
- HOYTE, Alfred F. Mineral ore exploration apparatus utilizing neutron activation, 23:49751
- HRABAK, G. Cryostat for low energy electron diffraction work at liquid helium temperatures, 25:21477
- HRABOVCOVA, Alejzia Analysis of gamma spectra from emitter emitting mutually close energies, 21:26168
- HRABOVCOVA, Alojzia Computers in analysis of gamma spectra, 24:19230
  - Gamma spectra analysis using spectral sensitivity matrix, 21:26287
  - Methods of determination of fast-neutron spectra from threshold—foil activation data, 25:42100
- HRABOVEC, A. Activation spectrometry of fast neutrons by IAEA threshold detectors at neutron generators, 24:7641
- HRABOVSZKY, Zoltan Radiation burden to bone marrow in radiotherapy of non-blastomatous diseases of the spinal column, 25:32603
- HRADECNA, Z. Effect of ionizing radiation on the bacteriophage, 25:24474
  - Effect of low doses of uv, 25:24483
- HRADECNA, Zdenka Effect of protective agents on the inactivation of bacteriophage lambda by x-ray irradiation, 21:24687
  - X-ray inactivation of lambda phage. II, 21:41521
- HRADIL, I. Electron-microscope picture of mitochondria of rat liver after whole body irradiation by 1400 r, 21:34772
- HRADIL, J. Absorption rate of Sr from gastrointestinal tract, 25:10951
  - Kinetic model of stem-cells and proerythroblasts populations in the postirradiation bone marrow injury, 25:2590
  - Kinetic model of stem-cells population in the postirradiation bone marrow injury. II, 25:11290
  - Kinetics of radiotellurium in rat, 25:10949
  - Problems of excretion analysis after a variable chronic contamination by radiostrontium, 24:36697
  - Problems of excretion analysis after repeated internal contamination with strontium radioisotopes, 25:26585
- HRADIL, Josef Interpretation of the method of gamma-ray scattering, 22:25507
- HRADIL, M. Short-lived products in 12.5 MeV deuteron bombardment of Cr, 22:1639
  - Strontium-85 yield due to Rb(d,2n)/sup 85m/Sr and Rb(d,2n)^{85}Sr, 25:34031
- HRANITZKY, E. B. Skin dose from x ray tubes, 21:24428
- HRASEOVA, Vera Specific activity of ^{24}Na in relation to mortality of rats as indicator of neutron irradiation doses, 22:45523
- HRASK, Y. Bone marrow transplantation in man, 24:624
- HRASKO, P. Anomalous forward scattering of neutrons with energy 14 MeV on uranium, 23:5909
  - Forces acting on magnetic dipoles, 25:38692
  - Self-consistent charge exchange potential, 25:48115 (KFKI-71-27)
  - Small angle elastic scattering of 14-MeV neutrons by ^{238}U, 23:21343
- HRASTNIK, B. Deexcitation of the 662-keV state in ^{137}Ba by the internal Compton effect, 25:28422
  - Directional correlation studies in decay of /sup 177g/Lu, 25:3684
  - Directional gamma—gamma angular correlation in ^{177}Hf, 23:23737
  - Double electron ejection in decay of ^{137}Ba, 25:31359
  - Energy-distribution measurement in the double decay of ^{137}Ba, 24:15918
  - Ge(Li)—NaI(Tl) system for gamma—gamma angular correlation measurements, 23:24444
  - Internal Compton effect, 23:44910
  - Perturbed 208.00—59.54 keV γ—γ angular correlation in ^{237}Np, 22:50631
- HRAZDIRA, Ivo Thyroid gland after ultrasonic irradiation, 22:437
- HRBEK, J. Determination of concentration by an absorption method, 25:456
- HRDA, A. Acceleration of $^3He^{++}$ ions in U-120 cyclotron, 22:15882 (UJV-1898)
  - Acceleration of protons in U-120 cyclotron, 21:44476 (UJV-1848)
  - Energy variation of ^{120}U cyclotron, 21:17219 (UJV-1640)
  - Initial trajectories of ions obtained from the radial injection of fast neutral particles into the cyclotron center, 21:995 (UJV-1563)
  - Magnetic field for elliptical ion trajectories, 22:9721 (UJV-1854)
  - New form of exploitation of cyclotron U-120, 22:29810
  - Properties of ion motion in cyclotron U-120, 25:25580 (UJV-2498-F)
- HRDLICKA, Z. Neutron radiography and its application, 25:26439 (UJV-2545-R,T)
- HRDY, J. Polarization of the Lα_1 x rays of Hg, 25:7177
- HRDY, Jaromir Total reflection of x-ray radiation on the surface of solids, 21:14971
- HREBIK, F. Observations of chromospheric flares at Ondrejov, 25:27391
  - Observations of chromospheric flares at Ondrejov, 25:30189
- HREBIK, J. Magnetic transition points and magnetic moments in some uranium compounds, 25:47659
  - Magnetic transition points in U_3Bi_4 and UGa_3, 25:59190
- HREHUSS, G. Angular distributions of ^{12}C(d,p)^{13}C below 2 MeV, 24:3867
  - Periodical charge-state flipping phenomena in neutron—proton scattering, 22:52930 (KFKI-19/1968)
  - Reactions (d,p) on N and Si isotopes, 23:21259 (ZFK-130, pp 117-18)
  - Scintillation response function and decay time of CsI(Na) to charged particles, 23:16120
- HREHUSS, Gy. Charge-state oscillations in neutron—proton scattering, 23:39744 (KFKI-10/1969)
  - Differential cross section of n—p scattering, 23:28236
  - Energy dependence of the n—p scattering cross section, 23:21053
- HREJSA, A. F. Comparison of the nuclear-reaction energy scale with the gamma-ray energy scale, 25:56773
- HREN, J. J. Measurements of atomic order with the field-ion microscope, 25:27252
- HREN, John J. Field-ion microscopy, 23:20462
- HRESHCHYSHYN, Myroslaw M. Hydroxyurea with irradiation for cervical carcinoma, 23:38700
  - Ovarian scan with human chorionic gonadotropin—^{131}I, 23:29646
- HRIBAR, M. Continuous-ionization method for linearity at low gas velocities, 21:41076
  - Importance of compartment transport rate constants of Bengal-red metabolism and of scintigraphy in function tests of hepatobiliary system, 25:49248
  - Measurement of density and moisture-content of building materials, 23:47866 (NIJS-P-244)
- HRISHI, N. Radiosensitivity in tetraploid cottons, 25:39963
- HRISOHO, A. Generators of uniform distributed pulses, 24:44368
  - Improvement of the differential linearity of a weighted converter, 21:45481
  - Integral and differential linearity of an analog-to-digital converter using the successive approximation method, 22:12706
  - Mathematical study of successive approximation ADC's channel width, 24:36668
  - Measurement of the duty cycle of the beam of a synchrocyclotron, 25:50209
- HRISTEV, Anatole P. Conformal charge conjugation, 25:17531
- HRISTIDU, Yani Cyclopentadienyl complexes of molybdenum, tungsten, and uranium, and reaction of cyclopentadienyl manganese tricarbonyl with sodium, 22:45027 (RFP-Trans-41)
- HRISTOV, D. New isotopes, ^{176}Re and ^{175}Re, 22:9880
- HRISTOV, L. Investigation into the elastic pd-scattering by the thin internal target method, 23:19662
- HRISTOV, V. Equipment of two horizontal channels of the IRT reactor in Sofia for carrying out radiobiological work and studying their radiation field, 21:23735
- HRISTOVA, M. G. Quadrupole plate-holder for individual dosimetric control, 21:16213
- HROMEK, R. Technical-economic considerations of heat supply from power stations with light water reactors, 25:57135
- HROMOV, G. S. Morphological study of planetary nebulae. II, 22:26114
  - Morphological study of planetary nebulae. III, 22:26113
- HROMYK, E. Liver tumors in beagles injected with ^{239}Pu, 21:24542 (COO-119-235, pp 71-5)
  - Microscopic distribution of ^{241}Am in beagle thyroid gland, 23:11979 (COO-119-237, pp 124-32)
  - Microscopic distribution of ^{241}Am in the beagle thyroid gland, 24:11923
- HRON, M. Calculations of thermal-neutron group constants during burnup of light-water-moderated lattices, 25:54271
  - Computer calculation of dose distributions in ^{60}Co teletherapy, 24:31988
  - Flux flattening by means of a non-uniform fuel distribution in a slab reactor with finite reflector, 21:21775 (UJV-1660)
  - Problems of thermal neutron spectra in heterogeneous lattice, 21:29837 (UJV-1721)
  - Space and energy distribution of thermal neutrons in cylindrical heterogeneous reactor cell, 22:3934 (UJV-1836)
  - Thermal neutron energy spectrum in elementary cell of WWR-S reactor, 22:35634
  - Thermal neutron spectra in a heterogeneous lattice. II, 22:39906
- HRON, Miloslav Thermal neutron spectra in heterogeneous lattice. I, 22:44943

HRON, Miroslav Calculation of thermal neutron energy spectra in a heterogenous lattice, 22:1574
HRONCOVA, D. Radioactive kryptonates in volumetric analysis. I, 22:18698
HROVAT, M. Fuel elements for high temperature reactors, 25:52426 (A/CONF.49/P-385)
  Fuel elements for the AVR and THTR high temperature reactors, 22:6040
  Manufacture of spherical fuel elements for high-temperature reactors, 23:37520
HRSAK, I. Reactivation of immunological response, 24:11983
  Reduction of immune response in radiation chimeras, 24:9792
  Study of the immunological restoration of allogeneic hematopoietic radiochimeras, 23:50386
HRSTKA, V. Analysis of multi-parameter systems by analog computer, 24:36006 (ZJE-73)
  Dynamics of primary circuit of atomic power plant, 23:26042 (ZJE-34)
HRSTKA, Vladimir Primary cycle dynamics of a nuclear power station in the series arrangement of main and additional circulation blowers, 21:27735
HRUBAN, Z. Production of bile duct hyperplasia and gallstones by lithocholic acid, 21:22228 (ACRH-26, pp 70-84)
HRUBEC, Zdenek Leukemia in offspring of atomic bomb survivors, 22:23568
HRUBESH, Lawrence W. Free-radical microwave rotational spectroscopy with a resonant cavity, 25:6253 (UCRL-50890)
  Microwave rotational spectroscopy applied to trace-gas pollutant monitoring, 25:60294 (UCRL-73197)
  Theoretical discussion of K-band microwave cavity-resonator spectrometer, 24:4194 (UCRL-50739)
HRUBOVCAK, J. M. SNAP-19 radiation measurements report, 22:10502 (MND-3607-173)
HRUBY, J. Interaction products of deuterons with molybdenum, 24:11015
  Production of carrier free ^{52}Mn, 24:22673 (UJV-2299-CH)
  Production of carrier-free radiostrontium ^{85}Sr, 25:4126 (UJV-2431-Ch)
  Short-lived products in 12.5 MeV deuteron bombardment of Cr, 22:1639
  Strontium-85 yield due to Rb(d,2n)/sup 85m/Sr and Rb(d,2n)^{85}Sr, 25:34031
  Utilization possibilities of replaced wornout parts from the cyclotron U-120, 23:3888
HRUBY, J. J. Some problems of RbCl targets irradiated with deuterons in the cyclotron, 25:15702
HRUBY, Ronald J. Tabulated communication characteristics of a steady-state model of interplanetary space, 22:36560 (N-68-10164)
HRUDKA, F. Effect of radiation on reductases and succinodehydrogenase of bull spermatozoa, 21:4774
HRUSKA, A. Amplification of electromagnetic disturbances in the non-uniform ionosphere, 21:3752
  Dependence of geomagnetic activity on the polarity of the interplanetary magnetic field, 25:2860
  Effect of ionosphere on toroidal waves, 24:23883
  Interaction of plasma waves and particles in the non-uniform magnetosphere and acceleration of auroral particles, 23:3390
  Long-time-scale magnetodynamic noise in the geomagnetic tail, 23:48817
  Model of transverse structure of the geomagnetic tail and the reconnection process, 25:35992
  Particle density in the plasmasphere during quiet periods, 25:40499
  Plasma streaming in the magnetosphere, 25:19577
  Transverse structure of the Earth's magnetotail, 24:26071
  Two-dimensional model of neutral sheet in Earth's magnetotail, 23:27502
HRUSKA, Antonin Magnetospheric regions of amplification of vlf emissions and micropulsations, 21:25025
HRUSKA, Bernard Infinite number of laminagrams from a finite number of radiographs, 25:24256
HRUSKA, F. E. Effect of pH upon nuclear magnetic resonance spectra of nucleosides and nucleotides, 22:28309
HRUSKA, S. J. System Ti—Zr, 25:32748
HRUSKOVA, J. Dependence of geomagnetic activity on the polarity of the interplanetary magnetic field, 25:2860
  Effects of gamma radiation on viruses, 23:43922
  Long-time-scale magnetodynamic noise in the geomagnetic tail, 23:48817
  Poxvirus officinale inactivated by gamma radiation immunogenicity of the antigen, 21:16271
  Transverse structure of the Earth's magnetotail, 24:26071
HRUSKOVA, Jaroslava Effect of structure of ionosphere on pc3 pulsations. II, 22:24139
  Influence of the structure of the ionosphere on pc 3 micropulsations. I, 21:25024
HRYCYSHYN, E. S. Inelastic collisions between excited alkali atoms and molecules. VII, 25:6319
HRYNCZUK, J. Electrodynamic properties of induction MHD generator, 24:8373
  Theoretical analysis of a pulsed plasma accelerator, 25:33248
HRYNCZUK, Jerzy Theoretical analysis of a pulsed plasma accelerator, 22:29518
HRYNISZAK, W. Nuclear steam raising equipment, 24:28877
HRYNISZAK, W. R. Air heaters and seed recovery for MHD plant, 21:37241
  MHD plant, combustion techniques, and seeding. XVI, 22:5199
HRYNKIEWICZ, A. A. Magnetic properties of strongly deformed atomic nuclei, 22:1747
HRYNKIEWICZ, A. Z. Angular correlations of γ cascades in ^{155}Gd, 22:39631 (JINR-E6-3906)
  Application of the sum-coincidence method for g-factor measurements of short-lived excited nuclear states, 22:10580
  Coulomb excitation of ^{189}Os nucleus, 21:19266
  Decay of 29-min ^{81}Sr, 24:3880 (JINR-E6-4658)
  Decay of ground state of ^{82}Rb, 25:12507
  Directional correlations of gamma cascades in ^{160}Dy, 22:44682 (JINR-E6-3905)
  Effective resolving time in coincidence measurements on the cyclotron beam, 21:19121
  g factor of 184-keV state of ^{67}Zn, 24:13345
  g-factors of excited states in ^{124}Te and ^{147}Sm, 22:46779
  High resolution spectroscopic study of decay of /sup 82m/Rb and /sup 82g/Rb isotopes, 23:28273 (JINR-E6-4360)
  Level scheme of ^{147}Sm and g-factors of its two lowest excited states, 23:1875 (INP-620)
  Level scheme of ^{147}Sm and g-factors of two lowest excited states, 23:7319
  Level schemes Kr and Rb, 24:43212
  Life-time measurements of 2^+ rotational states in ^{182}Os and ^{184}Os and of 1020 keV excited state in ^{204}Bi, 24:38208 (JINR-E6-5070)
  Life-time measurements of excited states in ^{182}Re, 23:25902 (JINR-E6-4311)
  Lifetimes of excited nuclear states in ^{115}In, 21:17344 (INP-506/PL)
  Lifetimes of excited nuclear states in ^{115}In, 21:42630
  Moessbauer effect experiments for impurity atoms, 22:39156 (INP-590/PL)
  Perturbed 208.00—59.54 keV γ—γ angular correlation in ^{237}Np, 22:50631
  Perturbed angular correlations for 596—42-keV cascade in ^{63}Cu, 25:22987 (INP-734)
HRYNKIEWICZ, Andrezej Z. Role of relaxation processes in correlative directional gamma radiation, 22:15560 (INP-508-PL, pp 1-5)
HRYNKIEWICZ, Andrzej Z. Magnetic moments for short-lived nuclear states, 24:3966
HRYNKIEWIOZ, A. Z. Lifetimes of excited nuclear states, 24:43225
HSEU, Tong-Ming Spectrophotometric studies on ferron and Th(IV)—ferron chelate, 22:62
HSI, C. G. Finite-size particle model for plasma simulation, 23:1413 (LA-3990, pp A1.1-10)
  Non-linear plasma behaviour, 23:32524
  Nonlinear plasma behavior on one-dimensional plasma models, 22:44189 (MATT-623)
HSI, Nelson Carbonium ions. XIII, 24:13860
HSIA, E. S. SNAP 8 refractory boiler development program: shell side hydraulic characteristics of multiple tube model boiler, 25:54226 (N-71-22512)
HSIA, Edward Shu-jen Laminar magnetohydrodynamic channel flow with weak interaction, 23:42031
HSIA, S. T. Influence of radiation dose, degree of ripeness, and post-irradiation storage temperature on development of flowery aroma in gamma irradiated solo papaya, 23:48299 (UH-235-P-5-4, pp 112-14)
  Organoleptic evaluation of gamma irradiated mango, 23:48302 (UH-235-P-5-4, pp 136-42)
  Organoleptic evaluation of gamma irradiated pineapple, 23:48304 (UH-235-P-5-4, pp 152-6)
  Organoleptic evaluation of gamma irradiated lychee, 23:48306 (UH-235-P-5-4, pp 163-8)
  Quality evaluation of gamma irradiated papaya in shipping studies, 23:48295 (UH-235-P-5-4, pp 3-8)
  Sensory evaluation of irradiated bananas, 23:10144 (UH-235-P-5-3, pp 120-6)
HSIA, Sheng-lan Chemistry of polonium, 22:2170
HSIA, Te-chuan Application of radiogold (^{198}Au) for estimating the hepatic blood flow in hepatic diseases, 21:24468
HSIAO, Chin Report of one case of acute leukemia following treatment of hyperthyroidism with ^{131}I, 23:943
HSIAO, J. K. Characteristics of superconductor strip transmission lines with periodic load, 22:34557
HSIAO, Jih-tung Metallic zinc method of separating Th from rare earths, 22:42819
HSIAO, K. H. Fracture of solidifying particles, 25:6083
  Vapor explosion—heat transfer and fragmentation. III, 25:37214 (ORO-3936-4)
HSIAO, When-chin Metallic zinc method of separating Th from rare earths, 22:42819
HSIEH, C. L. Turbulent heating experiment, 24:42649
HSIEH, Din-Yu Some hydrodynamic aspects of superfluid helium, 21:9470 (NP-16457)
HSIEH, E. Planar oscilloscope, 24:25329 (UCRL-72197)
HSIEH, E. J. Radiation hardness of a new magnetic thin-film recording system, 25:57908
HSIEH, H. C. Coupling of transverse and longitudinal waves in a drifting magnetoplasma, 24:42734
  Cutoff conditions for transverse circularly polarized electromagnetic waves, 21:43931
  Dispersion relations for a magnetoactive finite temperature plasma, 21:23181 (N-67-14817)
  Effect of electrostatic fields on the propagation of electromagnetic waves in a finite temperature magnetoactive plasma, 21:46333 (N-67-19043)
  Effect of longitudinal electrostatic field on the whistler mode propagation in a warm magneto-ionic medium, 22:24189
  Focusing of a relativistic electron flow, 22:46644
  Nonlinear electromagnetic wave propagation in a magnetoactive finite temperature plasma, 21:23182 (N-67-15299)
  Propagation of circularly polarized electromagnetic waves in a finite temperature electromagnetoplasma, 22:36928
  Whistler mode propagation in the ionosphere in the presence of a longitudinal static electric field, 22:41492
HSIEH, H. C. H. Initial performance of the AGS slow external beam, 23:27990
  Slow external beam ejection magnets and power supplies, 23:28113
HSIEH, J. J. C. Ion migration in homogeneous soil, 21:14312 (BNWL-280, pp 108-10)
HSIEH, Jen-shu Evidence for a Kππ enhancement in π p interactions at 7 GeV/c, 24:49344
  Strange particle production in negative pion—proton interactions at 7 GeV/c, 23:5546
HSIEH, John T.-T. Polymerization on carbon black surfaces, 24:11353 (COO-1580-8)
HSIEH, K. C. Cosmic-ray ^{2}H from satellite measurements, 1965 to 1969, 25:30330
  Galactic ^{3}He above 10 MeV per nucleon and the solar contributions of hydrogen and helium, 25:9257
  Isotopic abundances and energy spectra of ^{2}H, ^{3}He, and ^{4}He of cosmic-ray origin, 23:51409
  Relative abundances and energy spectra of ^{3}He and ^{4}He from solar flares, 25:9103
  Study of solar modulation of low-energy cosmic rays, 24:12667
HSIEH, Ko-po Determination of uranium in ores by ion-exchange colorimetry, 22:42606
HSIEH, Kuang-hua Soda method of dissolving monazite and extracting Th, Ce, and La, 21:30510
HSIEH, M. Self-diffusion in liquid indium, 25:46365 (COO-841-21)
HSIEH, M. S. Projective solution of integral equations arising in electric and magnetic field problems, 25:59214
HSIEH, Mei-whey Cell line initiation from cord blood leukocytes treated with viruses, chemicals, and radiation, 25:57921
HSIEH, S. Determination of some precious metals by neutron activation analysis, 23:11467
  Precious metal abundances in some carbonaceous and enstatite chondrites, 22:22
HSIEH, S. T. Binding energies of p-shell hypernuclei, 25:12393
  Effective interactions between inequivalent nucleons in 1p and 2s, 1d shells, 25:45932
  A binding energy for 2s—1d-shell hypernuclei. I, 25:45770
  Magnetic dipole moments of p $^1/_2$ -shell nuclei, 25:34187
  Nonnormal parity states in the 1p-shell nuclei, 22:26861
  Parity states in A = 15, 14, and 13 nuclei, 25:15158
  Photodisintegration of ^{15}N, 25:5595
  Shell-model structure of the p-shell hypernuclei, 25:3721
  Tensor-force effects on the l-forbidden M1 transitions, 25:7925
HSIEH, S. Y. Diffusion of quasi particles in superconducting aluminum films, 22:34542
  Recombination time of quasiparticles in superconducting aluminum, 22:26339
HSIK, So Ton Multilayer spark chamber for recording fission fragments, 24:14297
HSIUNG, H. C. Pion—deuteron elastic scattering at 3.65 GeV/c, 22:39284
HSIUNG, Hsien-chih Pion—deuteron elastic scattering and break up at 3.65 BeV/c, 24:18082
HSIUNG, Ju-cheng Radioactive ^{32}P in the diagnosis of testicular tumors, 22:28546
HSU, C. Asymptotic stability with positive moderator reactivity coefficients, 23:4436
  Determination of stability domain of nonlinear reactor dynamics, 23:37739
  Lyapunov stability of spatially-dependent nonlinear reactor system including an external primary heat exchanger, 25:60239
  Root loci approach in the study of stability of linear homogeneous space-time reactors, 24:40939
  Space-dependent transfer-function analysis of large nuclear-reactor power systems, 25:36987 (ANL-7788)
  Spatial effects in transfer-function measurements of large nuclear reactor power systems, 25:60041
  Stability analysis of nonlinear reactor systems, 21:8075
  Stability analysis of reactor systems via Lyapunov's second method, 21:34130
  Survey and status report on application of acoustic-boiling-detection techniques to liquid-metal-cooled reactors, 25:1906 (ANL-7469)
  Temperature coefficients in a nonlinear space-dependent reactor system, 24:33537
  Use of quasilinearization for the solution of nonlinear space-dependent reactor equations, 24:7326
HSU, C. C. Elastic scattering of 1.5 to 3.0-MeV dueterons by ^{12}C, ^{25}Mg, and ^{27}Al, 21:33887
  Fluctuation analysis of reaction ^{24}Mg(d,α)^{22}Na, 23:15401
  Reaction ^{24}Mg(d,α)^{22}Na at low energies, 22:27056
  Reaction ^{26}Mg(d,α)^{24}Na at low energies, 22:27058
  Reaction ^{26}Mg(d,p)^{27}Mg at low energies, 22:27059
  Reaction ^{27}Al(d,α)^{25}Mg, 21:2694
  Rule (2J + 1) in the ^{25}Mg(d,α)^{23}Na reaction at low energies, 21:46693
HSU, C. N. ^{90}Sr and ^{137}Cs levels in the diet of children on a school lunch program, 25:42422
  Investigation of occupational exposure on Taiwan (1961—1966), 22:51581
HSU, Chen C. Solid—liquid phase equilibria in the Na—Rb alloy system, 24:17317
HSU, Cheng-ji Ultraviolet induced mutation of Geotrichum candidum, 21:1851
HSU, Ch'eng-man Producing useful mutants of winter wheat through the action of fast neutrons, 23:7979
HSU, Chia-jung Heat transfer in laminar flow through concentric annuli, 25:13159
  Heat transfer in MHD channel flow, 22:22003
  Heat transfer to liquid metals flowing along a row of spheres, 22:12529
  Laminar heat transfer in a hexagonal channel with internal heat generation and unequally heated sides, 21:10543
  Liquid-metal heat transfer in a parallel-plate channel with periodic boundary conditions, 21:24163
  Mass transfer of decaying products with axial diffusion in cylindrical tubes, 25:15833

  Thermal-entry region heat transfer in magnetohydrodynamic channel flow subject to axial conduction and the boundary condition of the third kind, 25:7214 (BNL-14004)
  Unsteady forced-convection MHD heat transfer in parallel plate channel, 22:47886
HSU, Chiu-chuan Shirley Kinetics of the reaction of carbon dioxide with hydroxyl ion, 25:31745 (UCRL-20461)
HSU, Chu Chung Relation between 2I + 1 rule and level width, 24:3963
  Relation between the 2I + 1 rule and channel correlation, 25:3762
HSU, Chu-chung Detection of ^{12}C(p,p)^{12}C polarization, 21:25442
  Electron loading in the accelerating tube of Van de Graaff generator, 21:19106
  Reaction ^{19}F(p,α)^{16}O from 2.2 to 3.4 MeV, 21:7698
HSU, Chun Analysis of the differences between true-mean-square and average-magnitude-squared detector circuits for use in campbelling neutron monitoring systems, 24:39269
  Control and stability analysis of spatially dependent nuclear reactor systems, 22:10073 (ANL-7322)
  Control and stability analysis of spatially-dependent nuclear reactor systems, 22:25171
  Optimal control of spatially dependent nuclear reactors, 21:38583
  Parameter identification in a nonlinear reactor system, 25:60042
  Space-dependent reactor dynamics, 23:19559
  Stability criterion for spatially dependent nonlinear reactor systems, 22:33160
HSU, David Phase relations in system KF—CeF$_3$, 25:48501
HSU, F. H. Positron annihilation in irradiated acetyl methionine, 25:8269
  Positron annihilation in irradiated teflon, 25:27306
HSU, F. H. H. Correlation between decay lifetime and angular distribution of positron annihilation in plastic scintillator Naton, 21:27013
  Decay of ^{82}Br, 21:11999
  Helium refrigerator for Moessbauer studies, 23:8548
  Moessbauer effect measurements of quadrupole moment ratios in states of ^{182} ^{184} ^{186}W, 24:3951
HSU, F. S. L. Fermi surfaces of Nb and Ta, 24:19984
HSU, H. H. Decay of mass-separated ^{92}Y, 24:38296
HSU, Hsiao-hua Structure of ^{169}Tm and ^{171}Tm nuclei, 25:17907
HSU, Huan-wen Radiation-pasteurization of suddenly boiled shrimp, 24:36854
HSU, J. C. Study of noncondensable effects in a heat pipe, 25:37530
HSU, J. P. Dispersion approach to interference model and local duality principle, 23:49123
  Dispersion sum rules and the p-n mass difference, 23:36942
  Extreme-energy collisions, 25:14663
  K/sub l3/ form factors and strong superconvergence, 23:7130
  Multiplicity, pionization, and hypothesis of limiting fragmentation in high-energy collisions, 24:42938
HSU, J.-P. Asymptotic SU$_3$ symmetry breaking and strong superconvergence, 23:34592
HSU, Jong-ping Currents, spectral functions, and their applications and a dispersion approach to interference model, local duality principle and photon—neutron mass difference, 24:32999
  Tests of sum rules based upon the Regge pole model, 21:17130
HSU, Kuang-hsien Theory of equilibria of complexes in solution. II, 21:35954
HSU, Kuan-jen Progress in radiation seed cultivation, 22:40621
HSU, L. C. Analytical study on brittle fracture of GE-BWR vessel subject to design basis accident, 24:11210 (NEDO-10029)
  Maine Yankee Atomic Power Station: thermal shock analysis on reactor vessels due to emergency core cooling system operation, 22:35454 (DOCKET-50309-11)
HSU, L. S. Comparisons between seniority, quasi-particle, and shell-model calculations in even Ni isotopes, 21:23446
  Strength distributions, 21:38402
  Upper bounds for electromagnetic transition rates, 22:7782
HSU, Michael Boundary and end losses in magnetogasdynamic generators, 23:1232 (AD-671632)
HSU, P. C. Investigation of occupational exposure on Taiwan (1961—1966), 22:51581
HSU, S. T. Probe constant for in-situ determination of thermal conductivities of soils, 21:43168
HSU, S. Y. Li Immunization of Rhesus monkeys, 24:34141
HSU, Shang-shiang Beta-ray backscattering thickness gauge, 23:47869
HSU, T. H. Double-stripping study of ^{14}O structure, 24:38105
  Double-stripping study of ^{14}O structure, 25:50637 (UAE-NPL-1009)
  Measurement of urinary free corticoids, 24:25381
  Proton-pair transfer reactions, 24:43164
HSU, T. R. Transient thermal stresses on a finite disk due to a continuous point heat source, 24:29475
HSU, Tsih-zan Grain-boundary relaxation of molybdenum and the mechanism of the embrittling effect of interstitial impurity additions, 21:11699
HSU, Tung-ming Spectrophotometric study of Ce(III) and Th(IV) chelates of trans-1,2-diaminocyclohexane-NNN'N'-tetraacetic acid, 21:42895
HSU, W. W. Gamma-ray induced polymerization of unsaturated polyester in red mud, 24:13935
HSU, W.-T. Influence of polycyclic aromatic hydrocarbons on bacteriophage development. II, 21:22230 (ACRH-26, pp 95-105)
HSU, Wu-shiung Simple neutron spectrometer, 25:34925
HSU, Y. C. Liquid-metal lubricated journal bearings, 21:10510 (SwRI-1228-P-8-32)
  Prog. rpt. on liquid-metal lubricated journal bearings, final, 6/67, 21:34362 (SwRI-1228-P-8-33)
HSU, Y. T. Parotid gland atrophy, 23:22418
HSU, Yi-chuann Reaction ^{12}C(n,α)^{9}Be at 14.1 MeV, 24:8850
  Wilson cloud chamber for study of (n,α) reaction, 23:26520
HSU, Yin-Chi Measurement of radiocarbon content in rice, 21:1270
HSU, Yuin-chi Angular distributions of alpha particles from reaction ^{16}O(n,α)^{13}C at E/sub n/ = 14.1 MeV, 22:3633
  Energy and angular distribution of alpha particles in reaction ^{14}N(n,α)^{11}B at 14.1 MeV, 23:1813
  Reaction ^{12}C(n,α)^{9}Be at 14.1 MeV, 24:8850
  Reaction ^{16}O(n,α)^{13}C at 14.1 MeV, 21:33888
  Wilson cloud chamber for study of (n,α) reaction, 23:26520
HSU, Yung-chang Magnetic spectrometer with two strong-focusing magnets for analysis of particles up to 6 GeV/c, 22:38072
HSUAN, H. C. S. Analog computer simulation in plasma physics, 24:45252
  Coupling of high and low frequencies in Tonks—Dattner resonances, 22:29487
  Drift motion and adiabatic invariance of magnetic moment in a nonstatic magnetic field, 25:40647
  Ion wave reflections as observed in a perturbed plasma, 22:41591
  Mechanism causing nonlinear behavior in Tonks—Dattner resonance experiments, 25:43411
  Nonlinear effect in beam—plasma type interactions, 24:1420
  Nonlinear effect of altering the zeroth order density distribution of a plasma, 22:3095
  Parametric excitation of low frequencies in a bounded plasma, 24:28346
  Propagating electron plasma waves in Tonks—Dattner resonances, 24:1464
  Propagation of ion—acoustic waves in a plasma subject to an ambipolar drift, 23:32528
  Radiation characteristics of an antenna in a plasma, 24:26170
  Radiation characteristics of longitudinal waves from an antenna in a plasma, 24:32823
  Subharmonic generation in Tonks—Dattner resonances, 23:25398
  Time-of-flight study of waves guided by a plasma column, 25:19746
  Time-of-flight study of waves guided by a plasma column, 25:25184
HSUAN, Hulbert C. S. Nonlinear effects in plasma resonance, 22:39127
  Profile measurements of plasma columns using microwave resonant cavities, 22:52761
  Profile measurements of plasma columns using microwave resonant cavities, 23:1379 (N-68-28007)
HSUE, C. S. Formulation of dual theory in terms of functional integrations, 25:9901
  Regge phenomenology of inclusive reactions, 25:33676
HSUE, Chen-shiung Functional integral formulation of dual resonance amplitudes, 25:43722
HSUE, H. F. Immunization of rhesus monkeys against schistosome infection, 23:50391
HSUE, S. T. Beta decay of ^{134}Cs, 22:16025
  Decay of ^{47}Ca, 21:42589
  Decay of mass-separated ^{92}Y, 24:38296
  End point of the RaE beta spectrum, 21:12053
  Negaton decay of ^{122}Sb, 22:48548
HSUE, Sin-tao Measurement of beta spectra by combined magnetic momentum selection and semiconductor energy selection, 22:35335
HSUEH, Limin Diffusion and migration in electrochemical systems, 25:34488 (UCRL-18597(Rev.))
HSUEH, Shan-i Use of radioisotope ^{90}Sr in otorhinolaryngology, 21:10983
HSU JUNG-LAN Motion of charged particles in magnetic fields with model experiments, 25:43507 (JPRS-52839, pp 3-16)
HTAIK, Than Kinetic of liquid—liquid extraction of metals, 24:5713
  Synergistic extraction of metals, 24:4370
HU, C. H. Induced mutation breeding of rice, 24:41803
  Rice breeding by induced mutations in Taiwan, 24:39485
HU, Chao-hwa Irradiation-induced quantiative variation of rice with reference to its effects of selection, 21:20434
HU, Chia-lun Characteristics of biological damage by lasers, 21:34614
  Theory of necrotaxis, 24:51085
  Thermal-chemical damage in biological material under laser irradiation, 24:48402
HU, Chia-Ren Bulk nucleation critical fields, for pure superconductors, 24:5124
  Critical-field ratio for pure superconductors outside Landau—Ginzburg region. I, 23:18563
  Critical-field ratio for pure superconductors outside Ginzburg—Landau region. II, 24:3286
  Deviation of superconductive critical-field ratio H/sub c3//H/sub c2/, 24:10455
HU, Chi-yu Binding energy of the triton with the Hamada—Johnston potential, 25:43795
  Variational perturbation method based on the principle of moments, 22:15348
HU, Funan Effects of ultraviolet light on mammalian pigment cells in vitro, 23:12185
  Effects of uv and x radiation on mammalian pigment cells, 22:49196
HU, Jen-i. Effects of a single dose of whole-body irradiation on the synapses of the spinal cord of mouse, 21:421
HU, Kuo-kuang Resolution and minimal representation of a neutron detection system, 25:39753
HU, L. W. Radiation effects on creep rupture and fatigue strength of pure aluminum, 21:45975
HU, Ling W. Nuclear irradiation effects on the dynamic behavior of pure aluminum, 21:6845
HU, M. SLAC beam switchyard control computer, 21:38128
  SLAC spiral reader project, 23:11849 (SLAC-PUB-529)
HU, Michael J. C. SLAC spiral reader control system reference manual, 24:14301 (SLAC-111)
  SLAC spiral reader system, 23:29222 (SLAC-PUB-593)
  SLAC spiral reader system, 25:26511
HU, P. Plasma boundary interactions, 21:37448 (NASA-CR-868)
  Plasma boundary interactions. II, 23:1432 (N-68-25821)
  Prog. rpt. on plasma-boundary interactions, 9—11/67, 22:46139 (N-68-23572)
HU, Pung Nien Collision and ionization effects in a plasma sheath, 23:12831
  Collisionless plasma sheath with transverse flow, 22:17683
  Collisionless theory of a plasma sheath near an electrode, 21:7249
  Kinetic model for three-component plasmas with ionization, 21:800
  Unified shock profile in a plasma, 22:9337
HU, R. Anomalous diffusion in a cylindrical plasma column above the critical magnetic field, 24:51658 (N-70-23950)
HU, Sing-hua Photochemical and radiation-induced reduction of nitrate ion in pure and sea waters, 22:23078
HU, Steve S. Mapping of the field of fluctuations by electromagnetic techniques, 22:22005 (CONF-661204-(Vol.1), pp 24.1-11)
HU, Tseng-sen Effect of large doses of γ radiation on gametes of Laminaria angustata, 21:9032
HUA, C. T. Morphological and kinematical study of two planetary nebulae, 25:9048
HUANG, A. Ben Kinetic theory of wave propagation. I, 25:9527
  Kinetic theory of wave propagation. II, 25:9533
HUANG, An-i Recovery of telluric acid from ^{131}I production liquid waste by modified alcohol precipitating method, 22:37869
HUANG, C. Y. Gamma-ray attenuation in Taiwan's building materials, 23:23237
  Inelastic scattering of protons from ^{64}Zn, 24:43247
  Level structure of ^{116}Sn and ^{117}Sn from (p,d), (p,t), and (p,p') reactions, 22:30009
  Level structure of ^{64}Zn by (p,d), (p,t), and (p,p') reactions, 22:26986
  Level structure of Sn isotopes by (p,d), (p,t), and (p,p') reactions with 55-MeV protons, 22:27144
  Transitions l = 3 and 4 in inelastic scattering of protons from ^{64}Zn, 23:40006
HUANG, Chao-yuan Isotope effect in crystal-field splitting, 22:24438
HUANG, Chau-ting Binding of inorganic iodide to the plasma proteins of teleost fishes, 23:26683
HUANG, Chester C. Thymus regeneration after whole-body irradiation, 23:38780
HUANG, Chian L. Effect of uv irradiation on chlorpromazine. II, 21:30910
HUANG, Chia-yi Angular distributions of alpha particles from reaction ^{16}O(n,α)^{13}C at E/sub n/ = 14.1 MeV, 22:3633
  Energy and angular distribution of alpha particles in reaction ^{14}N(n,α)^{11}B at 14.1 MeV, 23:1813
  Reaction ^{12}C(n,α)^{9}Be at 14.1 MeV, 24:8850
  Reaction ^{16}O(n,α)^{13}C at 14.1 MeV, 21:33888
  Wilson cloud chamber for study of (n,α) reaction, 23:26520
HUANG, Chin-hua Calculation of neutron escape probability in a water reactor, 21:1190
HUANG, Chung Influence of diluent on the extraction from sulfuric acid of U(IV) and (VI) by N-decylaniline, 21:22
HUANG, Chun-ming F-region irregularities that cause scintillations and spread-F echoes at low latitude, 24:47128
  Method of obtaining ionospheric index of solar activity from F2 layer critical frequencies, 21:24882
  Noon electron density variation of F2 layer at low latitudes, 21:5194
  Solar cycle variation of ionospheric F2 layer, 22:19889
HUANG, Der-Hung Structure and mechanical properties of Fe—Ni—Mn—C steels, 24:11405 (UCRL-19075)
HUANG, Donna Residual radiation injury, 24:9880
HUANG, F. 7416-keV 2^{+} level in ^{28}Si and excited prolate rotational band, 23:39977 (RLO-1925-25)
  Level (7416-keV 2^{+}) in ^{28}Si and an excited prolate rotational band, 24:22123
HUANG, F. C. Line shape analysis of spectra obtained with Ge(Li) detectors, 23:11818 (ANU-P-413)
HUANG, F. C. P. 8543-keV 6^{+} state in ^{28}Si, 24:52532
  Line shape analysis of spectra obtained with Ge(Li) detectors, 23:16145
  Resonances of ^{24}Mg(p,γ) reaction between 660 and 1000 keV, 23:32907 (ANU-P-423)
  Resonances of the ^{24}Mg(p,γ) reaction between 660 and 1000 keV, 23:52140
  Search for an excited prolate rotational bands in ^{28}Si, 25:34034
  Search for excited prolate rotational band in ^{28}Si, 24:43186 (RLO-1925-34)
  State (8543-keV 6^{+}) in ^{28}Si and ground-state rotational band, 24:40576 (RLO-1925-33)
HUANG, Frank Tsung-chien Ionospheric parameters deduced from Langmuir probe measurements, 25:40502
HUANG, Fu-hsiang Initial studies into cytomorphological changes in the irradiation treatment of cervical cancer, 22:19375
HUANG, H. C. Influence of defects on the angular correlation of positron-annihilation photons in irradiated and in deformed iron, 25:19851
HUANG, H. H. Decarboxylation of azulene-1-carboxylic acid. II, 23:31337
HUANG, H. S. Optimum control of heat exchangers with internal heat generation, 25:26421

- HUANG, H. W. Chiral dynamics for high-spin baryons and an application to double-pion photoproduction, 23:3780
  - Current algebra description of double pion photoproduction, 21:25264
- HUANG, Helen Chi-hsing Attenuation of longitudinal ultrasound in normal and superconducting mercury single crystals, 25:19608
- HUANG, Hsien Chen Angular correlation of positron annihilation radiation in damaged nickel and iron, 24:49254
- HUANG, Hua-Feng Effects of environment on the radiation resistivity of teflon fiber, 21:14279
- HUANG, Huey Wen Double pion photoproduction and radiative pion nucleon scattering, 22:29666
- HUANG, J. C. Quasars and quarks, 22:43724
  - Rho meson in low-energy pion—nucleon scattering, 24:28554
- HUANG, J. S. T. Redistribution of boron in the diffused layer during thermal oxidation, 25:11476
- HUANG, Justin C. Green's functions for the Bethe—Salpeter equation, 24:20253
  - Proton—proton elastic scattering at high energies, 23:32769
- HUANG, K. Regge cut in proton—proton scattering, 21:11779
- HUANG, K. K. Structure of the sd-shell nuclei. III, 21:27628
- HUANG, Kerson Creation of quantized vortex rings by ions in liquid helium, 21:18593
  - Electromagnetic form factor of the pion, 24:12987
  - Formalism and phenomenology of complex angular momentum, 24:20152 (BNL-50212, pp 159-247)
  - Incoherent droplet model and multiparticle production in electron—proton collision, 23:16947 (MIT-2098-506)
  - Incoherent droplet model and multiparticle production in electron—proton collisions, 24:24265 (ANL/HEP-6909, pp 150-8)
  - Large-angle proton—proton scattering and the Pomeranchuk trajectory, 23:3757
  - Multiparticle production in high-energy collisions, 21:29518
  - Nucleon—nucleon and nucleon—antinucleon charge-exchange scattering and conspiracy of singularities in the complex angular momentum plane, 22:11688
  - Regge poles and the Pauli principle, 24:49537
  - Scaling law for deep-inelastic hadronic scattering, 25:59428
  - Ultimate temperature and the early universe, 24:46979
  - Unitarization of Veneziano model, Pomeranchuk singularity, and pion mass, 23:51926
- HUANG, Kuo-hua Preliminary report of using ^{90}Sr in the treatment of skin diseases, 21:20311
- HUANG, Lung-rui Study of reactor kinetics, 23:52476
- HUANG, Min-Nan Visual and frictional pressure-drop study of natural-circulation single-component two-phase flow at low pressures, 21:22099
- HUANG, Muh Guey Sulfonium salts. IV, 24:46240
- HUANG, N. L. Dirac electron and hidden momentum forces, 23:27728
  - Effect of anisotropic exchange and crystalline field on magnetic susceptibility of Eu_2O_3, 23:30643
- HUANG, Philip T. Direct measurements of electron energy distributions in daytime ionosphere, 23:44256 (N-69-25231)
  - Prog. rpt. on direct probe measurements in auroral ionosphere, final, 3/27/63—8/1/65, 21:37273 (AD-650644)
- HUANG, Philip Tsung-fu. Direct measurements of electron energy distributions in the daytime ionosphere, 25:7220
- HUANG, R. Binding energies of hypernuclei from 2.3 GeV/c K^- interactions, 21:44290
  - Code to unfold scintillation spectrometer polyenergetic gamma photon experimental distributions, 25:413 (N-70-27711)
  - Gamma photon albedo distributions for finite media, 25:5146
  - Numerical simulation of NaI(Tl) experimental response functions, 25:39730
- HUANG, R. Y. M. Molecular weight distribution in radiation-induced polymerization. I, 23:45319
  - Permeation of gases through modified polymer films. I, 23:37985
- HUANG, Robert Y. M. Bimodal molecular weight distributions in γ-ray induced polymerization of styrene, 23:49824
  - Molecular weight distributions in radiation-induced polymerization. II, 23:31371
  - Molecular weight distributions in radiation-induced polymerization. III, 24:11632
  - Permeation of gases through modified polymer films. II, 25:13039
  - Permeation of gases through modified polymer films. IV. Gas permeability and separation characteristics of graft copolymers of polyethylene and Teflon FEP films, 25:23598
- HUANG, Robert Y-M. Electron microscopic observations on cellulose graft copolymers, 22:23032 (AECL-2706, pp 29-49)
- HUANG, S. Precision measurement of anisotropy in the upper critical field of superconducting niobium, 23:10592
  - Use of point contacts to obtain direct evidence of flux motion in superconductors, 21:9493
- HUANG, S. S. Conference on plasma space science, Washington, D. C., 6/63, 21:13344
- HUANG, Song Teh Asymptotic P/sub n/ and double P/sub n/ approximations to neutron transport equation, 25:22952
- HUANG, Song-teh Comparison of P_1 vacuum boundary conditions, 25:40848
  - Fission rate measurements in low power fast critical assemblies with solid-state track recorders, 22:48747
- HUANG, Suei-rong Perturbed orbital energies in the radiolysis of saturated hydrocarbons, 22:12358
- HUANG, Su-shu Eddington approximation, 22:37064
  - Effect of nonsynchronous rotation on close binary stars, 22:43736
  - Light curve for eclipsing stars, 24:46877
  - Mass-luminosity relation for galaxies, 21:33028 (N-66-37562)
  - Origin of binaries from a statistical study, 22:52419
  - Problems of close binary systems that involve transfer of angular momentum, 22:7114
  - Rotating emission ring in binary systems, 21:31135
  - Rotational behavior of the main-sequence stars. II, 22:866
  - Transfer of radiation in circumstellar dust envelopes. II, 23:44056
  - Transfer of radiation in circumstellar dust envelopes. I, 23:44055
  - Transfer of radiation in circumstellar dust envelopes. III, 25:16653
- HUANG, Ta-yu Effect of ionizing radiation on animal liver, kidney, heart, and brain invertase, and influence of radiological treatment on patients' sero-invertase activity, 22:23422
- HUANG, Thomas T.-S Anomalous temperature dependence of kinetic carbon isotope effects and the phenomenon of crossover, 23:37967
- HUANG, Thomas T.-S. Anomalous temperature dependence of kinetic carbon isotope effects and the phenomenon of crossover, 23:7512
- HUANG, W. F. Digital automatic positioning system, 23:43538
  - Positron annihilation rates in lanthanum hydrides, 25:13988
- HUANG, W. H. Fossil alpha-particle recoil tracks: a new method of age determination, 21:19761
  - Observation of fossil α-particle recoil tracks and their implications for dating measurements, 22:6471
- HUANG, W.-C. Study of self-consistent particle and quasiparticle equations of motion, 25:25817
- HUANG, Wen-Yuan Programming and cost analysis model for papaya processing, 23:48297 (UH-235-P-5-4, pp 53-62)
- HUANG, Wu-chun $K\pi$ resonance states, 22:29689
- HUANG, Y. Precipitation of nitride in Nb and Nb—Zr alloys, 22:677
  - Precipitation of nitride in niobium (columbium) and niobium—zirconium alloys, 22:19554
- HUANG, Y. C. Cavitation threshold observations in water at 14.5 kHz, 23:45464 (NP-17971)
- HUANG, Y. H. Excitation of helium II based on hard-sphere model, 24:3259
- HUANG, Y. K. Analytical approach to the shock compressibility of 18 cubic-lattice metals, 24:42122
- HUANG, Yao Hui Self-consistent theory of the magnetotail, 25:2960
- HUANG, Yinn-nien Occurrence of spread F and geomagnetic activity over Taipei, Taiwan, 25:9290
- HUANG, Yin-si Iodine-131 contamination in fresh milk, 22:31091
- HUANY, C. Y. Reactions (p,t) on $^{150\ 152\ 154}$Sm, 22:27147
- HUARD, J. Method of ultrasonic control of thin tubes permitting separate recording of internal and external longitudinal defects, 23:7709 (CEA-CONF-1070)
  - Ultrasonic method of testing thin tubes, 23:31503
- HUARD, J. J. Ultrasonic automatic testing methods of welds used at Saclay, 24:39164 (CEA-CONF-1540)
- HUARD, Leo A. Statutory control of radiation records, 24:29772 (DMRE-69-3, pp 349-61)
- HUART, A. Analytical control of fissionable materials, 25:21319
- HUB, D. Elastic properties of graphite, 24:44789 (NP-9556)
- HUB, K. A. Fast breeder reactor, 1000-Mw(e) metal-fueled, 21:5596 (ANL-7001)
  - Feasibility study of nuclear steam supply system using 10,000-MW, Na-cooled breeder reactor, 21:23588 (ANL-7183)
- HUB, R. Measurement of the angular distribution of electrons by the elementary processes of bremsstrahlung production, 21:27002
- HUBACEK, J. Conference on mutational process, Prague, 8/65, 21:18009
  - Special case of lysogeny in Mycobacterium avium, 25:16109
- HUBAUT Electronic equipment for data processing in a large nuclear power plant, 22:48682
- HUBAUX, A. Statistical treatment of intermetallic diffusion data, 21:41602 (EUR-3458.e)
- HUBBARD, A. M. Design for in-service inspection of boiling water reactor pressure vessels, 25:39245 (CONF-710512-5)
  - Pressure vessel and primary system materials for boiling-water reactors, 24:18641
  - Thermal fatigue testing of selected dissimilar metal welds, 21:13138 (APED-4948)
- HUBBARD, B. E. Discretization error in classical Dirichlet problem for Laplace's equation by finite difference methods, 21:19523 (ORO-3443-3)
- HUBBARD, C. R. New technique for neutron diffraction. use of white radiation, 25:37687
- HUBBARD, Calvin P. Atomic irradiation of gladiolus seed, 21:43538
- HUBBARD, Camden R. Fast Fourier algorithm and programs ALFF, ALFFDP, ALFFPROJ, ALFFT, and FRIEDEL, 25:51291 (IS-2625)
  - FORTRAN IV crystallographic system of programs for generalized superpositions, 24:20663 (IS-2210)
- HUBBARD, Camden Richards Crystal structure determinations of Rb hexabromoantimonate(III,V) and tetramethylammonium nonabromodiantimonate(III) dibromine and highly efficient white radiation neutron diffraction technique, 25:51297 (IS-T-476)
- HUBBARD, D. P. Determination of trace amounts of lanthanum in low-alloy steels by flame emission spectrophotometry, 25:51376
- HUBBARD, E. L. Criterion for designing synchrotrons without alternating-gradient focusing, 22:32285 (CEAL-2000, pp 325-30)
  - Injection into 8 GeV booster synchrotron, 25:50528
  - Intrinsic region thicknesses of solid state detectors, 24:27380
  - Partial energy beams from an ion linac, 21:13767 (UCRL-17162)
  - Proton-alpha particle counter for the Apollo system, 24:9653
  - Survivability studies of lithium drifted silicon detectors, 22:43064
  - Vacuum system for NAL booster synchrotron, 25:50438
- HUBBARD, E. T. Contribution of EVESR operation to fast steam cooled reactor development, 22:16184
  - GETR adapts to changing needs, 24:20612
- HUBBARD, Edward L. Linear ion accelerators, 23:42807
- HUBBARD, G. Scott UBV photometric study of HS Herculis, 25:58452
- HUBBARD, H. Economics of power from pulsed fusion reactors, 22:29467
  - High energy astrophysics, 25:30220 (P-4494(RAND))
- HUBBARD, H. W. Extending NEAREX statistical model nuclear cross-section code to simultaneous (n,p) (n,γ) reactions, 23:46892 (AD-685704)
  - Statistical model calculations of ^{56}Fe neutron cross section, 25:28218 (NP-18674)
  - Transport calculations pertinent to satellite detection of delayed gammas from an atmospheric nuclear explosion, 23:15970 (AD-672719)
- HUBBARD, Harmon W. Transport calculations pertinent to satellite detection of x rays from near earth nuclear explosions, 23:45432 (RM-6033)
- HUBBARD, J. Electron correlations in narrow energy bands. V, 21:9310
  - Electron correlations in narrow energy bands. VI, 21:9309
- HUBBARD, J. Donald Radiation-leukemia protection factor, 24:21218
- HUBBARD, J. R. Hyperon—proton interactions between 0.5 and 4.0 GeV/c, 24:49323
  - K^-p charge exchange at 3.95 GeV/c, 24:45434
- HUBBARD, J. Richard Decay $\Xi^- \rightarrow \Lambda^0e^-$ anti upsilon, 22:20122
  - Design and construction of 1.2—1.9 BeV/c, separated K^- meson beam, 21:4151 (UCRL-17018)
  - Production and decay of cascade hyperons, 23:25530
  - Some properties of Ξ^- and Ξ^0 hyperons produced in K^-p interactions between 1.05 and 1.7 GeV/c, 21:18908 (UCRL-11529)
- HUBBARD, Jerry S. Measurement of $^{14}CO_2$ assimilation in soils, 24:16949
- HUBBARD, John Edward Cesium-137 in an Alpine watershed, 23:40862
- HUBBARD, L. B. 1d/sub 3/2/—1f/sub 7/2/ energy splitting at ^{40}Ca, 23:30982
  - Doses from internally emitted γ rays, 25:21714
  - Gamma-ray doses for all points in spheres and cylinders with uniformly distributed sources, 23:23236
  - O^+, T = 2 states in A = 40 nuclei, 24:40485
  - One-particle, j-j coefficients of fractional parentage in the isospin representation for n less than or equal to 5 in the j = 7/2 shell, 25:43981
  - Spectroscopic factors for pickup reactions on ^{40}Ca, 22:9838
- HUBBARD, Lincoln Coefficients of fractional parentage in j-j coupling, 21:38375 (MIT-2098-351)
- HUBBARD, Lincoln B. Absorption and scatter of internally emitted gamma rays, 23:45732 (ANL-7535, pp 144-7)
  - Angular distribution of scattered, internal gamma rays within a uniform sphere, 23:45730 (ANL-7535, pp 137-41)
  - Coefficients of fractional parentage in j—j coupling, 24:52707
  - Coupled angular momentum and i-spin for nucleons in single shell in j—j coupling, 25:34195
  - Distribution of gamma-ray doses in externally irradiated cylinders, 23:45733 (ANL-7535, pp 147-9)
  - FORTRAN program for gamma-radiation dosimetry for arbitrary source and target geometry, 25:32416 (ORNL-TM-3398)
  - Gamma-ray dose distributions in externally irradiated cylinders, 25:8686
  - Primary and secondary doses in uniform spheres from internal gamma sources, 23:45731 (ANL-7535, pp 141-4)
  - Response of beagle dogs to protracted exposure to γ rays. I, 23:45734 (ANL-7535, pp 153-6)
  - Single-particle energy $1d^3/_2$—$1f^7/_2$, 23:47036 (ANL-7535, pp 149-50)
- HUBBARD, N. J. Rare earth abundances in soil and rocks from Ocean of Storms, 25:13955
- HUBBARD, Norman J Rare earth, alkaline, and alkali metal and $^{87\ 86}$Sr data for subsamples of lunar sample 12013, 25:954
- HUBBARD, Paul S. Nonexponential spin—lattice relaxation of protons in solid CH_3CN and solid solutions of CH_3CN in CD_3CN, 22:31951
- HUBBARD, R. B. In-core system provides continuous flux map of reactor cores, 22:12590
- HUBBARD, R. E. Emission regulator for use in high intensity electron-impact ion source, 23:39893
- HUBBARD, S. A. Cation-exchange separation of uranium in dimethylsulphoxide medium, 25:54728
- HUBBARD, W. B. Hot white dwarfs, 24:12505
  - Statistical mechanics of light elements at high pressure. I, 25:45162
  - Studies in stellar evolution. V, 21:6936
  - Thermal conduction by electrons in stellar matter, 23:34157
- HUBBARD, W. N. Enthalpy of U diboride, 24:21423
  - Prog. rpt. on thermochemical studies, semiannual, 1—6/71, 25:44367 (ANL-7821)
  - Sodium-fuel interactions, 25:32803
  - Thermochemistry of some uranium compounds, 22:31465
  - Uranium diboride: preparation and thermodynamic properties, 23:41707
- HUBBARD, Ward N. Enthalpies of formation of PuO_2 and PuN, 23:27151

  - Enthalpy of formation of plutonium monocarbide, 24:51213
  - Enthalpy of formation of silicon carbide by fluorine bomb calorimetry, 24:25785
  - Enthalpy of formation of ThF_4 by fluorine bomb calorimetry, 25:2213
  - Fluorine bomb calorimetry, 22:2053
- HUBBELL, D. W. Distribution of radionuclides in bottom sediments of the Columbia River estuary, 25:39596 (TID-25724)
- HUBBELL, H. H. Jr. Review of depth-dose calculation and experimentation, 25:6693 (CONF-691106-, pp 73-94)
- HUBBELL, J. H. Compilation of x-ray cross sections, 24:24138 (UCRL-50174(Sect.4))
  - Compilation of x-ray cross sections, 23:41914 (UCRL-50174(Sec.2)(Rev.1))
  - Compilation of x-ray cross sections. III, 24:15149 (UCRL-50174(Sect.3))
  - Compilation of x-ray cross sections. I, 24:30132 (UCRL-50174(Sec.1))
  - Photon attenuation and energy-absorption coefficients: current status and prospects, 22:5400
  - Photon cross sections, attenuation coefficients, and energy absorption coefficients from 10 keV to 100 GeV, 24:3492 (NSRDS-NBS-29)
  - Photonuclear Data Index, 21:17354 (NP-16603)
- HUBBERSTEY, P. Sodium—barium phase diagram, 25:55526
- HUBBERT, M. King Energy resources for power production, 24:46391 (CONF-700810-17)
  - Industrial energy resources, 25:23110
  - Role of nuclear power in filling those needs, 25:54048
- HUBE, D. P. Places of origin of stars in Galaxy, 25:13926
- HUBE, Douglas P. Radial velocities of 335 late B-type stars, 24:15047
- HUBE, Douglas Peter Distribution and kinematics of the late B-type stars, 25:8976
- HUBE, Joan O. Existence of stable stars in Cepheid instability strip, 25:52516
  - Ratio of total-to-selective absorption in the galactic anticenter direction, 22:43842
- HUBENTHAL, Karleinz Rapid separation of short half-life Nb and Zr from fission products, 22:37833 (CEA-R-3451)
- HUBENTHAL, Karlheinz Electric monopole transition in ^{98}Mo, 21:46742
  - Isobaric chain of mass 98, 21:44686
  - Short-lived isomer of ^{98}Nb, 21:31818
- HUBER, A. Cation-exchange behaviour of several elements in hydrofluoric acid—organic solvent media, 22:10341
  - Heavy ion transfer reactions in region of Coulomb barrier, 24:49737
  - Heavy-ion reactions induced by ^{16}O, ^{18}O, and ^{19}F ions, 24:20335
  - One- and two-neutron transfer reactions induced by ^{18}O and ^{19}F ions, 22:48460
  - One-neutron transfer reactions with Be, C, and O nuclei, 25:9988
  - Total cross section of the reaction $^{16}O(d,n)^{17}F$, 23:3961
- HUBER, Agnes M. Effects of dietary zinc and calcium on the retention and distribution of zinc in rats fed semipurified diets, 24:46567
- HUBER, B. Behavior of uranium carbide fuel rods sap cladded, 22:39899 (EUR-4031)
  - CRAYON G1: code for calculation of irradiation behavior of fuel rods, 23:36270 (EUR-4255)
  - Cross sections of reactions $^{16}O(\gamma,x)^{15}N$ and $^{16}O(\gamma,x)^{11}C$, and yield of $^{12}C(\gamma,t)$ up to 55 MeV, 22:1601
  - Low-level gas counter with a plastic scintillator as anticoincidence shield, 21:26183
  - Nanosecond-pulsing system for heavy ions with HVEC tandem accelerator, 23:30886
  - Photonuclear reactions of type (γ,t) and $(\gamma,n\alpha)$ with bremsstrahlung up to 55 MeV, 22:26921
  - Steel pressure vessels and unit power of pressurized heavy water reactors, 25:51027 (EUR-4363)
  - Theoretical study of diffusion of H in a Zr alloy liner tube, 23:24844 (EUR-4207)
- HUBER, D. L. Evidence for an anomaly in the thermal conductivity of a magnetic system at the ordering temperature, 21:37397
  - Thermal diffuse scattering of low-energy electrons, 21:13397
- HUBER, E. J. Jr. Heat of formation of uranium carbide, 21:32963
- HUBER, Elmer J. Jr. Enthalpies of formation of cerium dioxide, cerium sesquicarbide, and cerium dicarbide, 25:29961
  - Enthalpies of formation of thorium mono- and dicarbides, 22:31453
  - Enthalpies of formation of triuranium octaoxide and uranium dioxide, 23:34061
  - Enthalpies of formation of triuranium octaoxide and uranium dioxide, 24:9293
  - Enthalpies, entropies, and Gibbs energies of formation of rare earth oxides, 22:42658
  - Enthalpy of formation of europjum monoxide, 24:14903
  - Enthalpy of formation of hafnium dioxide, 22:31452
  - Enthalpy of formation of neptunium dioxide, 23:1047
  - Enthalpy of formation of neptunium monocarbide, 25:45114 (LA-DC-12331)
  - Enthalpy of formation of uranium sesquicarbide, 24:17347
- HUBER, F. Karlsruhe sodium tank test facility, 25:304 (EURFNR-819)
  - Spectrophotometric compositional analysis of tantalum—aluminum alloy films, 25:35303
- HUBER, F. C. Magnet controller for a type 103 mass spectrometer, 24:11874
- HUBER, G. Optical pumping of neutron deficient ^{187}Hg, 25:53758
  - Prefabricated reinforced-concrete elements in the construction of hot laboratories, 24:31546
  - Study of $^{19}F(^3He,^6Li)^{16}O$ reaction at 11 MeV, 25:33995
  - Supercritical heterogeneous nuclear reactor, 24:38486
- HUBER, Gary L. Loss of lipid during fixation for electron microscopy, 21:22290
- HUBER, Gerald Spacer for box-shaped nuclear fuel element, 22:48785
  - Supercritical heterogeneous nuclear reactor, 23:45073
- HUBER, H. Automatic control system for RA-3 reactor, 24:38615
  - Capillary emitter of cesium ions: application to thermionic converters, 21:9364
  - Economic handbook, 21:10127 (EUR-3079.e)
  - Electron optics of sagittaire, 25:28142
  - Tables for the evaluation of rod-drop measurements, 24:38624
  - Uranium from phosphates, 22:27870
- HUBER, H. D. Dissolution of thorium oxide, 21:32137 (BNWL-SA-1154)
  - Process for dissolution of Al-clad thoria fuel elements, 22:40151 (BNWL-240)
- HUBER, H. R. Studies of the Kimmig light band, 21:22765
- HUBER, Hans Comparison of cost data with neutron production, 22:27438
- HUBER, Herbert Natural antimutagenic protective materials, 22:49320
- HUBER, J. F. K. Microradiometric detector for column liquid chromatography, 25:12952
- HUBER, J. G. Effect of nonmagnetic 4f resonances on superconducting transition temperature: ThCe alloys, 25:17113
  - High-pressure superconducting polymorph of cadmium tin diarsenide, 23:39422
  - Pair-breaking parameter of superconductors with Ce impurities, 24:35339
  - Superconducting—normal phase boundary of superconductors containing nearly nonmagnetic impurities, 25:14159
  - Superconductivity and normal-state properties of Th—U alloys, 25:9389
- HUBER, Kent A. Study of few nucleon pickup processes on ^{19}F, 22:26908
- HUBER, L. M. Approach to high-resolution NMR in solids, 22:20047
  - Multiple-pulse NMR experiments, 22:17799
- HUBER, M. Preparation of ^{21}Ne in purity of 99.6 percent, 21:15975 (MLM-1375(TR))
- HUBER, M. G. Collective treatment of the giant resonances in spherical nuclei, 21:1151
  - Collective treatment of the giant resonances in spherical nuclei, 21:23572
  - Microscopic description of absorption of bound π-mesons, 23:40110
  - Photoneutron cross section of ^{141}Pr, 22:16030
  - Separability of the nuclear residual two-body interaction, 23:13338
  - Short-range correlations and elastic electron scattering, 23:39952
  - Short-range correlations in ^{40}Ca, 24:30739
- HUBER, Martin Absolute gf-values for Fe I and Fe II lines, 23:36307
  - Values-gf of ultraviolet Fe I, Cr I, and Cr II lines from shock-tube measurements, 22:29207
- HUBER, Max G. Collective model of the giant resonances, 21:46801
  - Microscopic analysis of (γ,p) and (γ,n) reactions at medium photon energies, 25:28488
  - Microscopic description of (γ,pn)-reaction, 24:49940
  - Nuclear structure information from pion absorption experiments, 24:52694
  - Short range correlations in nuclei, 25:46135
- HUBER, Max Georg Microscopic description of the absorption of bound pions, 25:9982
- HUBER, Michel Study of the structure of the compounds $La_2Ti_2O_7$ and $Nd_2Ti_2O_7$, 24:30044
- HUBER, Nancy Immunization of C58 mice to line I/sub b/ leukemia, 24:19300
- HUBER, O. Computer method for analysis of γ spectra application to fission-fragment mixtures, 25:12535
  - Decay of ^{51}Cr, 24:52540
  - Graphic representation for rapid estimation of expected dose in exposure to contamination, 23:20195 (CONF-680507-, pp 362-75)
  - Internal conversion of the s-electrons in the Low-Z region (320-keV transition in ^{51}V), 23:15422
  - Semiconductor measurement of fallout, 23:19929 (CONF-680507-, pp 84-9)
  - Semiconductor measurements of fallout, 22:45320
  - Three-dimensional scheme for classification of radioactivity measurements in the biosphere, 23:20193 (CONF-680507-, pp 340-5)
  - Twice forbidden beta transition of ^{137}Cs, 23:44931
- HUBER, P. (n,2n) cross sections of ^{76}Ge and ^{165}Ho at 12.5 to 18.5 MeV, 24:18391
  - Angioscintigraphy in neuroradiology, 24:2743
  - Cerebral sequential scintigraphy, 24:14531
  - Conference on polarization phenomena of nucleons, Karlsruhe, Ger., 9/65, 21:21608
  - Cross section of the $^{27}Al(n,\alpha)^{24}Na$ reaction in the energy region from 13.8 MeV to 14.8 MeV, 23:19214
  - D(d Vector,p)T-reaction below 500 keV, 25:53547
  - Dd reactions with polarized deuterons at 460 keV energy, 22:26819
  - Eighth report to federal council of federal commission for the monitoring of radioactivity, 22:25543
  - Elastic scattering of polarized neutrons of 3.25 MeV on medium—heavy nuclei, 23:19217
  - Influence of internal electric field in $BaTiO_3$ on the lifetime of ^{90}Zr, 22:35269
  - Interaction of 14.7-MeV neutrons with ^{238}U and ^{232}Th, 23:19299
  - Investigation of ^{6}Li(d Vector,α)^{4}He reaction, 25:59737
  - Investigation of level densities of cerium and strontium, 25:53807
  - Level density parameters for Ge, Ho, and Ta, 25:12536
  - Measurement of differential effective cross section of reaction $^{16}O(n,\alpha)^{13}C$ in the energy region from 14.8 to 18.8 MeV, 22:46720
  - Measurement of neutron polarization probability of the elements Mg, Al, Si, and S for mean neutron energy E/sub n/ = 3.25 MeV, 23:19215
  - Measurement of proton polarization in the d—d reaction, 25:45890
  - Ninth report to federal council of federal commission for the monitoring of radioactivity, 22:25544
  - Phase shifts for neutron-alpha scattering at 25 and 28 MeV, 21:42553
  - Reaction ^{3}He Vector(d Vector,p)^{4}He at 430 keV, 25:53574
  - Reaction ^{3}He Vector(d,p)^{4}He below 2.5 MeV, 25:53571
  - Reaction $^3He(d,p)^4He$ with polarized and unpolarized targets, 25:45891
  - Reaction ^{6}Li(d Vector,α)^{4}He below 1 MeV, 25:53630
  - Reaction $^6Li(d,n)^7Be$ with polarized deuterons at energies of 270, 500, and 600 keV, 21:21455
  - Reaction $D(d,n)^3He$ with polarized deuterons at 460 keV, 21:35407
  - Reaction $D(d,p)^3H$ with polarized deuterons, 21:35412
  - Reaction D(d,p)T with polarized deuterons below 500 keV, 24:28692
  - Reactions $D(d,n)^3He)$ and $D(d,p)^3H$ with polarized deuterons at 460-keV incident energy, 21:11967
  - Reactions with polarized deuterons on light elements, 25:38874
  - Scintigraphic findings after cerebral stroke, 24:50988
  - Scintigraphic findings in cerebral strokes, 24:50989
  - Tensor polarization of $^4He(d,d)^4He$ deuterons in the region of the 1.07-MeV resonance, 21:40367
  - Thirteenth report of federal commission on monitoring of radioactivity for year 1969 delivered to federal council, 25:54791
  - Total cross sections for reactions $^{16}O(n,\alpha_0)^{13}C$ and $^{16}O(n,\alpha_1)$ between 7.5 and 8.6 MeV, 22:11912
- HUBER, P. R. Dynamical investigations on externally pressurized gas journal bearings, 22:6509 (BMwF-FBK-67-14)
- HUBER, R. Biological-chemical radiation protection II, 21:1773 (SZS-5/66)
  - Indications for x-ray studies of female genital organs from viewpoint of radiation injury, 21:41408
- HUBER, R. A. Air oxidation studies in a long graphite channel, 23:12390
  - CHAFFER: computer program to evaluate thermodynamic data for chemical reactions over a range of temperatures, 22:45024 (AERE-R-5793)
  - Computer programs for calculating peak temperature distribution in welding, 22:53505 (Y-1627)
  - Effects of non uniform burn off on the kinetics of oxidation of large tubular specimens of graphite, 23:12389
  - Electron-beam welding, 24:2904
  - FORTRAN program for processing permeability data in porous media, 21:12571 (AERE-M-1825)
  - FORTRAN programs for processing bomb calorimetry data, 21:1309 (AERE-R-5249)
  - Methane diffusion: an examination of commercial advanced gas cooled reactors, 25:57044
- HUBER, R. F. Newer techniques in the fabrication of refractory and reactive metal tubing, 24:44679
  - Specification and procurement of CP-5 fuel tubes, 25:18167 (ANL-7708)
- HUBER, R. J. BANDSAW: remeasuring delayed neutron energies, yields, and half lives in AFSR-type reactors, 23:47237 (CNM-R-2(Vol.1), pp 310-18)
  - Bansaw: proposal for remeasuring delayed neutron energies, 24:30775
  - In-core experiments with ^{6}Li "Sandwich" fast neutron spectrometer, 21:32365 (ANS-SD-2, Paper 3)
  - Precision pulsed measurements with reflected fast critical assemblies, 21:35699 (ANL-7320, pp 706-13)
  - Reactor physics measurements in AFSR, 23:47253 (CNM-R-2(Vol.3), pp 1308-26)
  - Spectrum measurements in a large dilute plutonium-fueled fast reactor, 21:35686 (ANL-7320, pp 477-80)
- HUBER, R. W. Fracture toughness and stress—corrosion cracking of some titanium alloy weldments, 22:2619
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 12/65—3/66, 21:6795 (AD-641262)
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 4—6/66, 21:13151 (NRL-6513)
- HUBER, Tyron E. Protective agents modifying biological effects of radiation, 24:36767
- HUBER, U. Discrimination by halfwidth and pulse length in ^{6}LiF—ZnS scintillation detector for slow neutrons, 21:36383
- HUBER, W. Crushing behaviour of pyrocarbon coated fuel particles, 25:8925 (EUR-4501)
  - Proton bombardment induced conductivity in anthracene single crystals, 24:40173
  - Uranium distribution and uranium diffusion through pyrocarbon coating in UO_2 coated particles, 24:51207 (EUR-4530)
- HUBER, W. K. Mass spectrometric investigation of the ion desorption in UHV gauges, 23:33380
  - Method for measurement of smallest oil coverings in vacuum systems, 21:28189
- HUBERLANT, M. A. Fabrication of fuel elements for Ardennes nuclear power plant, 23:40285
- HUBERMAN, B. A. Energy of a tachyon in a magnetic field, 25:59388
- HUBERMAN, F. P. 2491-A absorption system of NO_2 and a double-minimum potential, 24:27066
- HUBER-SCHAUSBERGER, Ingeborg Emission spectrographic method for determination of trace elements in fluorspar, 24:29187
- HUBERT, A. Oscillatory flux line profiles from generalized Ginzburg—Landau functional, 25:56070
  - Theory of two-phase domain structure in superconductors and ferromagnets, 22:9254
- HUBERT, B. Novel measuring unit with integrated circuits for time distribution measurements in reactor physics, 24:16163 (KFKI-31/1969)
  - Reaction $^{28}Si(^3He,p)^{30}P$, 25:3602
- HUBERT, Daniel Calculation of heating by electric field of Lorentz imperfectly homogeneous plasma, 21:46310
  - Resolution of Boltzmann equation of imperfect inhomogeneous Lorentzian plasma, 22:19975

HUBERT, E. H. Nuclear power as an economic source of electric energy production, 22:24980
HUBERT, F. Boron-11 and ^{10}B interactions with Th and U, 25:20420
HUBERT, H. Spectral variations of 3 Be stars, 25:22236
HUBERT, J. M. Critical velocity measurement in superfluid helium by Doppler-shifted resonance splitting, 25:25017
Fourth sound in superfluid helium, 23:48861
HUBERT, Jerzy Effect of injection speed on the tracer concentration curves, 25:21245
Radioisotope measurements of the flow parameters of the postflotation slurry, 25:13176
HUBERT, M. Scientific and industrial applications of nuclear explosives, 25:10743
HUBERT, M. E. Effects of stoichiometry on the thermal expansion of 20 wt percent PuO_2—UO_2 fast-reactor fuel, 22:4878
HUBERT, P. Excited states of ^{28}Si, 24:38187
Measurements of the mean lives of the first excited states of ^{32}S, 23:52129
Study of a possible torsatron without compensating field, 24:15349 (EUR-CEA-FC-533)
Thermonuclear future of magnetic configurations of Tokamak type, 24:15352 (ORNL-tr-2282)
Thermonuclear future of Tokamak, 24:3411
Thermonuclear future of Tokamak magnetic confinement device, 25:25154
HUBERT, Ph. First excited states of ^{34}Ar, 24:38200
Measurement of the mean life of the 3.085-MeV level of ^{11}C, 21:19181
HUBERT, Philippe Doppler effect contribution to the mean lifetimes of nuclear excited states, 23:42872
HUBERT, Philippe-Henri Structure of lanthanum molybdite $La_2Mo_2O_{10}$, 24:14945
HUBERT, Phillippe Measurements of the mean lives of some excited states of the ^{34}Ar nucleus by Doppler effect, 24:20349
HUBERT, Pierre Atmosphere—hydrosphere cycles of tritium under middle latitudes since 1952, 24:20901
Coil giving stellarator-type magnetic configuration, 25:9509
Final simplification of winding producing a magnetic configuration of the stellarator type, 25:33315 (AEC-tr-7208)
Improvements in charged-particle source, 22:41625
Stellarator with partially compensated mechanical stresses, 25:33324
Temporary trapping of charged particles in a static magnetic bottle, 21:42022
Thermonuclear prospects of magnetic configurations of Tokamak type, 23:23188
Tritium study of dynamics of waters of Lac Leman (Geneva Lake), 24:36386
Tritium study of the dynamics of underground waters, 24:27225
HUBERTS, P. K. A. De Witt Overlapping scintillator detection system for electron scattering, 23:43551
HUBERTY, J. P. /sup 99m/Tc-S colloid on ferric hydroxide macroaggregates, 25:49226
Lung scanning using /sup 99m/Tc-labeled macroaggregated ferrous hydroxide, 24:12194
HUBERY, R. W. Comminution of beryllia matrix fuels, 21:24823 (AAEC/E-162)
Economics of H.T.G.C.R. fuel cycle. II, 22:20774 (AAEC/E-179)
HUBICKI, Wlodzimierz Fractionated precipitation of basic nitrates of the rare earths, 22:18720
Intensification of ion exchange method for separation of lanthanides with help of HEDTA, 22:18888
Study on obtaining of samarium concentrations from ceria earth by homogeneous precipitation, 21:1439
HUBIN, R. Infrared absorption spectra of cubic pyrophosphates and pyroarsenates of tetravalent elements, X/sup IV/P_2O_7 and X/sup IV/As_2O_7, 21:32158
HUBIN, W. N. Electron tunneling into superconducting Hg films below 0.4°K, 24:15245
HUBIN, Wilbert Norman Superconducting mercury films below 1°K, 24:21720
HUBLER, Peter Nuclear reactor installation, 25:44214
Nuclear reactor installation, 25:44212
HUBLET, P. Belgian legislation in relation to protection of the public and the workmen against ionizing radiation, 21:26430
HUBMANN, Rolf Cancer of the renal pelvis following retrograde pyelography with Thorotrast, 21:22671
HUBNER, H. Development of emitters and collector multilayer systems, 24:16255 (N-69-40593)
HUBNER, K. Recent experiments with CESAR (electron storage and accumulation ring at CERN), 22:11810
HUBNER, R. S. Calculating fast-neutron leakage from the SNAP-TSF reactor, 21:46934 (ORNL-TM-1666)
Comparison of analysis of fast critical assemblies using several cross section data sets and different cross section processing codes, 24:22460
EDIT: FORTRAN IV Level H program to punch, print, and plot selected portions of an ENDF/B data tape, 22:6209 (NAA-SR-12525)
Effect of aerosol agglomeration on reduction of radiological source term for LMFBR design basis accident, 23:52376 (AI-AEC-12837)
Evaluated neutron cross sections for ^{63}Cu, ^{65}Cu, and natural copper, 23:13223 (AI-AEC-12741)
SCORE II: interactive neutron evaluation system, 23:23599 (AI-AEC-12757)
HUBNER, Robert S. Status of data testing using the ENDF/B library, 25:57178 (CONF-710302-(Vol.2), pp 1053-64)
HUBNER, W. Definitions of dose equivalent, the rem and valuation factor, 23:29501 (NRC-TT-1361)
Intercrystalline stress corrosion cracking in Inconel 600 inspection tubes in Agesta reactor, 22:14154
HUBY, R. Analysis of a stripping reaction to a doublet of unbound levels, 23:7238
Extension of Weinberg's quasi-particle theory to standing waves, 23:8698
Faithful and pseudo-bound theories for stripping to unbound levels, 25:5869
Method of pseudo-bound states for stripping to unbound levels, 25:5666
Reaction ^{16}O(d,p)^{17}O, 21:25454
Review of nuclear reaction theories, 22:16095
Schematization of scattering amplitude and wave function, 24:8946
Spectroscopy of unbound levels through a unified reaction theory, 24:43588
Spectroscopy of unbound levels with aid of Weinberg's quasiparticles, 25:43988
Stripping transitions to unbound isobaric analog states, 25:17912
HUC, J. A rho$^{-}\pi^{-}$ enhancement at 1.32 GeV observed in 5 GeV/c π^{-}d interactions, 21:25245
$N\pi\pi$ enhancements observed in reaction $\pi^{-}n \rightarrow p\pi^{-}\pi^{-}p$, 22:29632
HUCHITAL, D. A. Lorentz model and time-dependent diffusion, 23:39490
HUCHITAL, David A. Transport phenomena in plasmas as an initial value problem, 21:18634
HUCHITAL, G. Prog. rpt. on instabilities and turbulence in highly ionized plasmas in a magnetic field, semiannual, 3—8/70, 25:43385 (N-71-12892)
HUCHRA, John Comments on the instability strip for halo population variables, 25:58440
Helium abundance in envelopes of bluest RR Lyrae stars in globular clusters, 25:808
HUCHTMEIER, W. Measurement of pulsar distances by galactic hydrogen absorption, 23:12479
HUCK, A. Detection of fast neutrons with an organic scintillator: theoretical and experimental study of the distribution of recoil protons, 22:14815
Measurements of lifetimes in ^{41}Ca. II, 25:23000
Silicon-28 energy levels near 13.245 MeV, 25:20330
HUCK, C. E. FFTF coolant thermocouple development, 22:40508 (BNWL-SA-1857)
Thermocouple for FFTF, 21:41290 (BNWL-SA-1227)
HUCKABEE, M. L. Grain boundary sliding in alumina bicrystals, 25:23459 (ORO-3328-17)
Prog. rpt. on grain boundary sliding in alumina bicrystals, semiannual, 4/1/67—11/30/67, 22:13071 (ORO-3328-7)
HUCKER, H. B. New method for assay of radioactive dimethyl sulfoxide and its metabolite, dimethyl sulfone, 21:14163
HUCKINS, Claire Technique for radioautography of germ cells, 25:4421
HUCKLE, J. Radiosensitization of bacterial and mammalian cells with carbonyl compounds and ketoaldehydes with special reference to the properties of phenylglyoxal, 25:4557
X-ray mutagenesis of cultured Chinese hamster cells, 24:25458
HUCKLE, Jean Mutagenesis of cultured mammalian cells by x-radiation and ultraviolet light, 24:50859
HUCKLESBY, R. J. Design and construction of a high-beta toroidal experimental assembly, 25:30586 (EUR-4593, pp 425-30)
HUDAK, Julia S. Handbook for technologists of nuclear medicine, 25:58049
HUDD, W. H. R. Cadmium sulphide high-level gamma exposure-rate meter, 22:47321 (RD/B/N-1108)
Calibration of Mark I personal neutron albedo dosimeter at Trawsfynydd Nuclear Power Station, 23:26586 (RD/B/N-1332)
Mains-operated cadmium sulphide detector high-level gamma exposure ratemeter, 23:31518 (RD/B/N-1336)
HUDDLE, R. A. U. Coated particle ceramic fuel for Dragon Reactor, 22:49789
Coated particle fuel for Dragon experiment, 24:40980 (DP-Report-116)
Cost of coated particle fuel, 24:44755 (DP-Report-340)
Dragon reactor fuel, 23:8355
Fuel element program, 24:40987 (DP-Report-150)
Fuel elements for high-temperature reactors, 23:37522
High temperature reactor materials, 21:14913
HTR direct cycle, 24:50173 (CONF-700401-, pp 268-90)
Manufacture of first charge of fuel and fuel elements for Dragon Reactor, 24:44756 (DP-Report-356)
Spearhead attack in coated particle fuel, 24:14978
The dragon project and its reactor experiment. project dragon, 24:40889 (NP-9383)
HUDDLE, Roy Alfred Ulfketel Fuel for nuclear reactors, 22:21757
Improvements in or relating to nuclear fuel material, 21:45989
Production of nuclear fuel, 22:27512
HUDDLESTON, C. M. A markov matrix treatment of neutron diffusion in thin slabs, 21:21385
Applications and limitations of a matrix treatment of neutron diffusion, 22:4383
Calculated slab transmissions of gamma rays from area sources, 25:40746
Conference on nuclear data for shielding and multidimensional shielding calculations, San Francisco, Calif., 11/30—12/4/69, 25:33356 (ANS-SD-11)
Differential dose albedo for fast neutrons, 23:16850
Evaluation of Markov matrix treatment of neutron diffusion in slabs, 21:29322 (NP-16791)
Neutron streaming through concrete ducts, 22:31902
Neutron streaming through ducts, 24:3442
Neutron streaming through ducts: analysis of experimental results, 25:38529
Nuclear radiation shielding in the design of hardened structures, 23:31506 (AD-843583)
HUDDLESTON, Charles M. Calculations on transmission of gamma radiation through homogeneous slabs, 25:56256 (AD-722012)
HUDDLESTON, R. L. Fabrication of shock pressure transducers, 23:37868 (Y-1674)
Hydrostatic extrusion apparatus, 24:7564
Sodium and strontium shock pressure transducers, 23:37867 (Y-1673)
HUDDLESTUN, James E. Indium-113m for scanning bone and kidney, 22:40747
Placental localization by scanning with /sup 113m/In, 23:33765
HUDEC, A. Influence of barbiturates on thiopental effect on irradiated rats, 23:912
HUDEC, Imrich Beta-particle recoil method for determining lead in rock, 22:10177
Radiometric method for tungstate determination, 21:26288
HUDEC, W. S. Control of xenon instabilities in large pressurized water reactors, 24:5519 (WCAP-3680-23)
Nuclear design of Saxton superheat loop, 23:37489 (WCAP-2320)
HUDECEK, Milan Detection of failing of U fuel element at non-active tests in flow of CO_2, 22:1885
HUDEMANN, Harald Modern methods for sterilization of catgut, 22:15133
HUDGENS, C. R. Method and device used for the safe handling and storing of fragile x-ray diffraction specimens, 25:26449 (MLM-1790)
HUDGENS, Claude R. Leaf spring-mounted shutter device, 23:9624
HUDGIN, Richard Henry Coordinate-free relativity, 25:59588
HUDGINS, P. T. Effect of total-brain irradiation on cerebrospinal fluid pressure, 22:574
HUDIS, J. Argon-43 and ^{44}Ar, 25:12499
High-energy-proton fission cross sections of U, Bi, Au, and Ag, 23:37267
Production of ^{24}Ne and ^{24}Na in 1- to 3-GeV proton bombardment of copper, silver, gold, and uranium targets, 22:42033
Production of ^{7}Be, ^{22}Na, and ^{24}Na fragments from heavy elements at 3, 10, and 30 GeV, 22:42032
Yields of stable and radioactive rare-gas isotopes formed by 3- and 29-GeV proton bombardment of Cu, Ag, Au, and U, 24:40594
HUDIS, Martin Directional Langmuir probe, 24:51626
Ion temperature, charge exchange, and Coulomb collisions in an argon plasma column, 22:34616
HUDNIK-PLEVNIK, T. Effect of x irradiation on RNA of rat liver, 21:22245
HUDNIK-PLEVNIK, T. A. Ability to rejoin x-ray induced breaks in DNA, 25:32627
In vitro degration of DNA Salmonella typhimurium E. coli, 25:498
HUDNIK-PLEVNIK, Tamara A. Differences between Escherichia coli B/r and Salmonella typhimurium LT-2 in the sedimentation behavior of the deoxyribonucleic acid synthesized after x-irradiation, 25:46728
Survival, deoxyribonucleic acid breakdown, and synthesis in Salmonella typhimurium as compared with Escherichia coli B strains, 24:41776
HUDOKLIN, A. Activation cross sections and integrated cross sections for radiative capture of 14 MeV neutrons, 25:12474
Deexcitation via unbound states in radiative capture of 14 MeV neutrons, 24:30748
Gamma-ray spectra from radiative capture of 14 MeV neutrons by ^{28}Si and ^{40}Ca, 22:5787 (NIJS-R-505)
Gamma-ray spectra from radiative capture of 14.1 MeV neutrons in Mg, Si, P, and Ca, 24:8872
Gamma-ray spectra from radiative capture of 14 MeV neutrons in ^{28}Si and ^{40}Ca, 25:12472
Radiative capture of neutrons in region of dipole giant resonance. II, 23:37148
Radiative neutron capture in region of dipole giant resonance. I, 23:37145
HUDOKLIN-BOZIC, A. Radiative capture of 14.1-MeV neutrons and dipole giant resonance, 22:35251 (NIJS-P-213)
HUDOMALJ, J. Reaction ^{10}B(n,α) at 14.4-MeV, 24:10933
HUDRITSCH, Walter Temperatures in the end-cap region of cylindrical nuclear fuel rods with isolated tablets in stationary operation, 21:25746
HUDSON, B. Distribution of and swelling produced by fission gas bubbles in α and β U irradiated under low stress, 21:24813
Double isotope procedures for steroid hormone measurement, 24:29636
Post-irradiation annealing behaviour of fission gas bubbles in various purities of uranium, 22:41077
HUDSON, E. D. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)
Experimental separated-orbit cyclotron (4 MeV), 21:38091
Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
Four-MeV experimental S.O.C.: review, 22:41896 (RHEL/M-124, pp 133-44)
Heavy ion acceleration at ORIC, 25:31131
Heavy-ion accelerator facility featuring a separated-sector isochronous cyclotron, 25:31084
High performance heavy-ion source for cyclotrons, 25:33898 (ORNL-TM-3391)
Magnet development for 50-MeV S.O.C, 22:41899 (RHEL/M-124, pp 181-98)
Magnet development for the 50-Mev SOC, 21:992 (ORNL-P-2357)
Magnet system for 4-MeV experimental separated orbit cyclotron, 21:29667 (ORNL-P-3092)
Magnetically self-shaping septum for beam deflection, 25:31101
Oak Ridge 50 MeV S.O.C. development program, 22:41895 (RHEL/M-124, pp 109-32)
Recent progress on a supercurrent separated orbit cyclotron, 21:29763
Sector magnet for 10-50 MeV SOC, 21:29666 (ORNL-P-3091)
Separated-orbit cyclotron (4 MeV), 23:28044
The 4-Mev experimental SOC: design details, 21:993 (ORNL-P-2358)
HUDSON, F. R. Coherent production of the $p\pi^{+}\pi^{-}$ enhancement at 1470 MeV by 28 GeV/c protons on neon, 23:10749

  Level positions of some Cu, Zn, Ga, and Ge isotopes, 21:38273
  Level structure of ^{66}Zn, 22:35263
  Structure of ^{61}Co, 25:17802
  Systematics of l = 5 (d,p) transitions in nuclei with 89 less than or equal to A less than or equal to 101, 24:6851
HUDSON, Frank P. Recovery of atmosphere from very-high levels of excess ionization, 23:1265 (SC-DC-68-2407)
HUDSON, G. Eosinophil granules and uranyl acetate an electron microscope study of guinea-pig bone marrow, 21:26361
  Vector analyzing power in elastic and inelastic scattering of deuterons from ^{24}Mg, 25:53713
  Vector analyzing power of reactions ^{24}Mg(d,p)^{25}Mg and ^{16}O(d,p)^{17}O, 25:53722
HUDSON, G. M. On-line dE/dx particle identification, 24:11810
  Reaction ^{9}Be(p,d)^{8}Be, 24:43157
HUDSON, H. S. Electron (10 to 100 keV) acceleration and emission from solar flares, 25:35726
  Isotropic component of cosmic x rays, 21:5097
  Observations of unresolved galactic x-ray sources, 25:30134
  Re-interpretation of OSO-III scintillation counter measurements of hard solar x-ray spectra, 25:7060
HUDSON, H. T. Energy requirements for response of skin to monochromatic wavelengths of uv present in solar spectrum, 21:24570
HUDSON, Hugh De-occultation x-ray events of Dec. 2, 1967, 24:3093
HUDSON, Hugh S. Hard solar x-ray spectrum observed from the third Orbiting Solar Observatory, 23:39219
  Results of x-ray experiment on OSO-3, 23:16594 (N-68-35493)
  Simultaneous x-ray and optical observations of Sco X-1 flares, 24:12558
  Spectrum of diffuse cosmic x rays: 7.7 to 113 keV, 25:7099
  Type III solar radio bursts accompanied by soft x-radiation in the absence of Hα flares, 25:30167
HUDSON, Hugh Steven Energy spectrum of auroral zone electron precipitation, 21:33289
HUDSON, J. A. Acidity of hydrocarbons. XXVIII, 22:21068
  Direct observation of heavy-ion collision cascades, 24:42794
  Examination of heavy ion radiation damage in iridium. II, 24:26313
  Field ion microscope examination of heavy ion radiation damage in iridium. I, 22:28842 (AERE-R-5747)
  Field ion microscope examination of heavy ion radiation damage in Ir. I, 23:262
  Observation of large faulted interstitial loops in proton-irradiated nickel, 24:51187
  Quantitative evaluation of seismic signals at teleseismic distances. I, 24:7538
  Use of ion accelerators to simulate fast neutron-induced voidage in metals, 24:51190
  Void formation during high-dose ion implantation at elevated temperatures, 25:19807
  Void formation during ion irradiation of metals at elevated temperatures, 25:58320
  Void formation in nickel, 316 steel, and nimonic PE16 during 20 MeV C^{++} irradiation, 25:58322
HUDSON, J. B. Monopole: a new instrument for measuring partial pressures, 21:34530
HUDSON, J. O. Microbial hydrocarbon co-oxidation. III, 23:35950
HUDSON, J. P. Formation of graphite grains in cool stars, 22:43774
HUDSON, Katherine I. Automated and conventional photometry of the short-period variable star 14 Aurigae, 25:30086
  Rotational velocities in short-period A-type binaries, 25:9003
HUDSON, M. C. Measurements by the Minnesota 16-inch mass spectrometer, 23:21252
HUDSON, Marshall C. Atomic masses of ^{56}Fe and ^{57}Fe, 22:18178
HUDSON, Marshall Clyde Mass differences of samarium, europium, gadolinium, terbium, and dysprosium, 24:35809
HUDSON, P. A. Construction and testing of a 68kG magnet made from filamentary NbTi superconducting wire, 23:20858
HUDSON, P. D. Discontinuities in plasma and identification in solar wind, 25:9306
  Nonuniformity of solar protons over the polar caps, 23:30416
  Perpendicular shocks in a medium containing cosmic rays, 22:45970
  POGO ion chamber experiment in outer radiation zone, 22:52646
  Radio spectra and Fermi acceleration by shocks, 22:8898
HUDSON, P. S. Characterization of high-boiling products from irradiated biphenyl and terphenyls, 21:21967 (IDO-16909)
HUDSON, Page Recurrent neck mass following irradiation of Hodgkin's disease, 22:49566
HUDSON, R. D. Atomic absorption cross sections of Li and Na between 600 and 1000 A, 21:24909
  Photo-ionization cross-sections of calcium vapor, 21:37177
  Predissociation in Schumann—Runge band system of O_2, 23:42051
  Ultraviolet photoabsorption cross sections for molecules, 25:36013
HUDSON, R. F. Bibliography on whole-body irradiation effect related to canine treadmill performance decrement, 25:11251 (AD-705976)
HUDSON, R. G. Diffusion and electron emission properties of duplex refractory metal thermionic emitters, 23:48478
  Evaluation of chemically vapor deposited tungsten as electron emitters for nuclear thermionic application, 22:7008
  Physico-chemical properties of carbide fuel for thermionics, 21:1948
  Physico-chemical properties of carbide fuel for thermionics, 23:8316
  Refractory metal systems of thermionic interest, 24:10037 (GA-9495)
  Some high temperature diffusion studies on materials of thermionic interest, 21:3544 (N-66-29388)
HUDSON, R. M. Faraday rotation theory in quasi-transverse propagation of radio waves through the ionosphere, 23:36599
HUDSON, Robert D. Atmospheric implications of predissociation in N_2, 23:10524
  Atomic-absorption cross sections of Na, 500 to 600 A, 22:19759
HUDSON, T. Sheffield University vlf experiment on the satellite Ariel 3, 22:17487
HUDSON, W. R. Flux flow in materials where kappa approximately 1, 23:20864
HUDSON, Wayne R. Effect of tensile stress on current-carrying capacity of commercial superconductors, 21:5208 (NASA-TN-D-3745)
  Mixed state of superconductors, 25:25021 (N-71-10415)
HUDSON, William V. Model for international Geomagnetic Reference Field, 22:22058
HUDSPETH, Emmett L. Angular distributions of gamma rays produced in the ^{89}Y(n,n'γ)^{89}Y reaction, 21:35476
  Capture and elastic scattering of protons by ^{14}C, 22:44621
  Rapid assay for nitrogen in gluten and use of reference nuclides, 25:34555
  Tritium contamination in particle accelerator operation, 22:43310 (PHS-999-RH-29)
HUDSWELL, F. Dealing with radiation accidents, 24:7901
HUDSWELL, Fred Improvements in or relating to ion exchange materials, 22:21173
HUEBEL, H. Apparatus for measurement of gamma—gamma-linear polarization correlations, 21:17319 (BMwF-FBK-66-37)
  Electromagnetic properties of the K = 1/2 rotational band in ^{169}Tm, 23:11022
  Existence of directional correlations between K x rays following electron capture and nuclear gamma rays, 22:18232
  Isomeric transitions in /sup 179m$_2$/Hf, 24:52631
  Isotope separator on-line at Princeton—Pennsylvania Accelerator, 24:45709
  Levels in ^{194}Pt, ^{196}Pt, and ^{198}Pt, 25:28425
  Linear polarization and γ—γ directional correlation measurements in ^{106}Pd, 23:8992
  Magnetic hyperfine field at Hf in Fe and gyromagnetic factors g/sub K/ and g/sub R/ of 624 rotational band of ^{177}Hf, 23:39582
  Magnetic properties of [624] 9/2 rotational band in ^{177}Hf, 23:23691
  Modes of emergency cooling of the SNR, 24:52762
  Multidetector apparatus for linear polarization correlation measurements, 22:6608
  Multipolarity of the K-forbidden 1094-kev γ transition in the decay of ^{172}Lu, 21:1083
  New high spin isomer /sup 179m2/Hf, 24:43356
  New high-spin isomer /sup 179m$_2$/Hf and intraband branchings in the ground-state rotational sequence of ^{179}Hf, 24:38275
  On line isotope separator experiment at the Princeton Pennsylvania Accelerator, 25:44504 (BMBW-FBK-70-28, pp 49-56)
  Parity of 305-keV state of ^{48}V by linear polarization correlation measurements, 22:7668
  Parity of excited I = 0 states in ^{144}Nd and ^{178}Hf, 22:7719
  Reactor safety at positive power coefficients. II, 21:15706
  Reactor safety by positive power coefficients, 21:14025
  SNR control rod system, 24:22396
HUEBEL, K. Investigation of nuclide concentration in reactor water and waste water, 24:52847
HUEBENER, R. P. Absolute thermoelectric power of polycrystalline indium, 25:47673
  Apparatus for magneto-optical studies of magnetic structures at low temperatures, 24:25337
  Critical current density and temperature gradient in type-I superconductors, 24:23912
  Critical temperature gradient and critical current density in thin films of a type-I superconductor, 23:12717
  Current-pulse effect in the intermediate state of superconducting lead films, 25:5053
  Dc generator in superconducting circuits, 24:7571
  Domain structure of trapped flux in type-II superconductors, 24:6475
  Electrical resistance in intermediate state of superconducting lead films, 23:51571
  Electrical resistivity and peak effect in superconducting niobium, 24:19846
  Ettingshausen effect in the intermediate state of thin superconducting Pb films, 25:14181
  Magnetic flux structure in superconducting Nb foil, 25:25038
  Magneto-optical observation of the magnetic flux structure in superconducting niobium, 24:32803
  Nernst effect and flux flow in superconductors. I, 23:32290
  Nernst effect and flux flow in superconductors. II, 23:32291
  Nernst effect and flux flow in superconductors. III, 24:3284
  Nernst effect in intermediate state of type-I superconductors, 21:29163
  Nernst effect in superconducting films of tin and indium, 22:1077
  Nernst effect in superconducting lead films, 24:19832
  Nernst effect in superconducting niobium, 22:41513
  Rectification effect in thin-film superconductors in small, oscillatory magnetic fields, 25:43304
  Resistive voltage in the mixed state of superconducting niobium in the presence of small oscillatory magnetic fields, 25:25068
  Superconducting switch, 21:5213
  Superconducting switch, 22:52182
  Thermal force on vortices in superconducting lead films, 22:9236
HUEBENTHAL, K. Excited states of ^{99}Mo in radioactive decay of ^{99}Nb isomers, 23:25923
  Juelich on-line separator "JOSEF", 25:44721 (BMBW-FBK-70-28, pp 270-80)
HUEBENTHAL, Karlheinz Niobium isotopes having excess neutrons and a short half-life, 23:25899 (CEA-R-3513)
  Short-lived isomers of ^{99}Nb and ^{100}Nb, 22:9905
HUEBER, C. In-pile length changes of ZrCu-sheathed UO_2 fuel rods, 24:33559
HUEBER, Claude Measurements under irradiation of variations in length of UO_2 fuel rods clad with Zr—Cu, 25:51082 (CEA-R-4197)
HUEBER, R. Thermoluminescence of lunar sample 10084 Apollo 11, 25:35824
HUEBER, R. P. O. Molecular oxygen in high LET radiolysis of aqueous solutions, 25:21042
HUEBNER, A. Calculation of power of highly enriched steam-cooled fuel rods, 24:4063
HUEBNER, D. Gas scintillation counter for the detection of fast neutrons, 21:34486
HUEBNER, Dorothy Radioautographic localization of the increased synthesis of phosphatidylinositol in response to pancreozymin or acetylcholine in guinea pig pancreas slices, 21:26353
HUEBNER, G. D_2O as inhibitor in auxin-induced synthesis of RNA, 23:38471
  Plant tissues under influences of heavy water, 23:50311
  Temperature dependence of growth of E. coli B in heavy water, 25:35094
HUEBNER, Gerhard Effect of heavy water on protoplasm flow, 21:6419
  Water permeability of plant cells, 21:8706
HUEBNER, H. Design of magnetic field clamps, 24:52337
  Isotope effects in auto-oxidation. IX, 25:37362
  Isotope effects in autoxidation. V, 24:41273
  Isotope effects in autoxidation. VII, 25:6317
  Isotope effects in autoxidation. VI, 25:31907
  Isotope effects in autoxidation. X, 25:29059
  Mass-spectrometric analysis of deuterium, 23:19651
  Modification of the intensity of optical spectra of organic dyes through deuterium labeling, 25:41815
  One-step conversion of organic compounds into hydrogen for mass-spectrometric isotope analysis, 24:46179 (UCRL-Trans-10481)
  Strontium distribution in goats milk and milk decontamination. II, 21:6465
HUEBNER, Heinrich Detection of kinetic deuterium isotope effects in nucleophilic substitutions in bischloronitroso compounds, 21:5878
  Isotope dilution analysis with stable isotopes. III, 22:42644
  Isotope effects in autoxidations, 22:10217
  Isotope effects in autoxidations, 22:50987
HUEBNER, K. CERN electron storage and accumulation ring, 22:32250 (CEAL-2000, pp 86-9)
  Color indicator for the visualization of radiation fields and the beam adjustment in large irradiation plants, 25:35029
  Colormetric dosimetry, 25:37649
  Experiments in the longitudinal phase space with the CESAR, 24:10882
  Experiments in the transverse phase space with the CESAR, 24:10883
  Threshold dosimeter for radiation sterilization of medical products, 23:50194
HUEBNER, Karl F. Scanning of the spinal subarachnoid space after intrathecal injection of ^{131}I-labeled human serum albumin, 25:554
HUEBNER, Klaus Improvements in threshold dosimeters, 25:18803
HUEBNER, L. G. Liquid scintillation assay of ^{14}C and tritium in biological materials, 24:20718
HUEBNER, Leonid G. Evaluation of combustion methods for the measurement of tritium, 23:45608 (ANL-7535, pp 285-7)
HUEBNER, R. Isotope splitting of F center in-gap mode in KI and KBr, 24:48007 (NYO-2391-115)
  Isotope splitting of F-center in-gap mode in KI and KBr, 25:9585
  Photoproduction of single positive pions between 1.2 and 3 Gev, 21:863 (DESY-66/22)
  Photoproduction of single positive pions between 1.2 and 3 Gev, 21:2347
  Pi$^+$ photoproduction between 1.2 and 3 GeV at very small angles, 21:18881
  π^+ photoproduction between 1.2 and 3 GeV at very small angles, 21:18878 (DESY-67/3)
HUEBNER, R. H. Collisions of low-energy electrons with molecules: threshold excitation and negative-ion formation, 25:34618
  Excited electronic states of benzene and naphthalene, 22:16603
  Temporary attachment of electrons to azulene-h$_8$ and azulene-d$_8$, 23:49798
  Threshold electron excitation and temporary negative ion spectra of molecules, 23:12522 (ORNL-TM-2156)
  Threshold electron impact excitation of atoms and molecules, 22:17399
HUEBNER, Robert J. Rescue of defective murine sarcoma virus genome by radiation-induced leukemia virus from C57Bl mice, 22:31299
HUEBNER, W. Calibration of dosimeters for radiation therapy and radiation protection, 24:41698
  Intercrystalline stress corrosion cracking of Inconel 600 inspection tubes in the Agesta reactor, 21:1859 (AE-245)
  Oxidation resistance of some stainless steels and nickel-based alloys in high-temperature water and steam, 23:24795
  Type tests for radiation protection dosimeters, 22:21534

- HUEBNER, W. F. Electron—electron interaction in energy level determination, 24:45060
  - Microwave transitions for molecules in comets and in interstellar space, 24:46916
- HUEBNER, Walter Definition of dose equivalent, the Rem unit, and the valuation factors, 21:3408
  - In line determination of corrosion rates in high-temperature environments by the linear polarization method, 25:49352 (CONF-710520-2)
  - Physical bases and methods for measurement of dose rate of photon, electron, and neutron radiations, 22:43118
  - Stress corrosion of two stainless potential pressure vessel steels with mixed phase structure, 25:49353 (CONF-710520-3)
- HUEBNER, Walter F. Electron—electron interaction from single-electron theory, 22:43857 (LA-3899)
  - Estimates of radiative Rosseland mean opacity, 22:7319
  - Opacity calculations, 21:39795 (LA-3002(Suppl.2))
  - Proposal for the detection of mother molecules in comets by their microwave lines, 25:4915 (LA-4542)
  - Radio search for formaldehyde in comet Bennett (1969i), 24:46940
- HUEBNER, Wolfgang Formation of fiber textures in polycrystalline zirconium, 25:22106
- HUEBOTTER, P. R. Analysis of EBR-II core-component deformations, 25:41380
  - Cold-wrapper tube approach for accommodating steel swelling in LMFBR's, 25:6022
  - Design, research, and development implications of metal swelling in fast reactors, 25:45090 (ANL-7786)
  - Implications of metal swelling in fast reactor design, 25:48256 (CONF-710601-4)
  - Molybdenum to mitigate radiation swelling problems in LMFBR fuel assemblies, 25:40086
  - Periodic in situ annealing to reduce stainless-steel swelling in LMFBR, 25:4823
  - Potential applications for an under-sodium ultrasonic scanning device, 21:38436 (APDA-205)
- HUEBOTTER, Paul R. Effect of Pu migration on allowable power rating and Doppler broadening, 25:41424
- HUEBOTTER, R. J. Rapid urine assay for tritium, 24:46192
- HUEBSCH, I. O. Relative motion and coagulation of particles in a turbulent gas, 21:32316 (USNRDL-TR-67-49)
- HUEBSCHER, D. Some studies on neutron-rich nuclei, 25:28326 (CERN-70-30(Vol.2), pp 985-1000)
- HUEBSCHMANN, W. Inherent stability of steam-cooled breeder reactors, 25:3856 (KFK-851)
  - Inherent stability of the steam-cooled breeder, 25:31542 (EURFNR-813)
  - Parametric study of the dynamic behavior and stability of a steam-cooled fast reactor with an integrated coolant cycle, 22:3829 (EURFNR-406)
  - Parametric study of the dynamic behavior and stability of a steam-cooled fast reactor with an integrated cooling cycle, 22:20846
  - Parametric study of the dynamic behaviour and stability of a steam-cooled fast reactor with an integrated cooling cycle, 22:35555
  - Safety aspects of steam cooled fast breeder reactors, 21:44847 (KFK-613)
  - Safety aspects of steam-cooled fast breeder reactors, 22:53365
  - Safety of steam-cooled fast reactors, 22:7803 (EURFNR-421)
  - Safety of steam-cooled fast reactors, 22:53366
- HUEBSCHMANN, W. G. Kinetics of coupled thermal-fast spectrum power reactors, 21:40612
- HUEBSCHMANN, Wolfgang Emergency cooling of nuclear reactor, 24:13555
- HUECK, W. Wear of rolling bearing with irradiated balls, 24:41625
- HUEDA, A. Uriarte Use of synthetic inorganic ion exchangers in separation U, Pu, and fission products, 21:17719
  - Use of synthetic inorganic ion exchangers in the separation of U, Pu, and fission products. II, 23:201
- HUEFNER, J. DWBA in shell-model approach to nuclear reactions, 22:5895
  - Nuclear excitations in muonic bismuth, 21:41778
  - Photoexcitation of isobaric analogue resonances in ^{208}Pb, 25:1748
  - Pion scattering by nuclei in region of (3,3) resonance, 25:12420
  - Scattering by nuclei at high energies, 24:13443
  - Shell model calculation in continuum for reaction ^{15}N(n,n')^{15}N, 21:21443
  - Shell-model calculation in the continuum for reaction ^{15}N(n,n')^{15}N, 21:31852
  - Treatment of the continuum—continuum interaction in the shell-model approach to nuclear reactions, 21:4348
- HUEFNER, Jeorg Glauber's multiple scattering series for nuclei, 25:22850
- HUEFNER, Joerg Cascade calculation for muonic lead, 21:2692
  - Coulomb energies and the excess neutron distribution from the study of isobaric analog resonances, 23:47087
  - Lane equations for isobaric resonances, 25:5818
  - Microscopic calculation for the escape width of analog states, 25:28466
  - Neutron distribution in nuclei, 25:20534
  - Reexamination of the nuclear isomer shift as measured in muonic atoms, 22:43897
  - Shell model in continuum: application to four-nucleon system, 23:7342
  - The role of the anti-analog state in the decay of the analog state, 25:28467
  - Use of truncated Hilbert space in nuclear reaction calculations, 23:7343
- HUEFNER, Michael Mechanism of hydrogen exchange between succinate and water catalyzed by soluble succinic dehydrogenase of Singer from bovine heart, 22:35789
  - Properties of H exchange reaction catalyzed by the soluble succinic dehydrogenase of Singer from bovine heart, 22:35788
- HUEFNER, S. Anomalous critical-point behavior in europium metal, 23:30672
  - Determination of the g-factor for the lowest 2^{+} rotational state of ^{164}Dy by the Moessbauer method, 21:21572
  - First-order phase transition in Eu metal, 23:49008
  - First-order phase transition in europium metal, 23:23296
  - Hyperfine fields on hafnium nuclei in iron and gadolinium metal, 23:42507
  - Hyperfine fields on hafnium nuclei in iron and gadolinium metal, 25:1322
  - Hyperfine interaction in europium—tin intermetallic compounds, 24:3475
  - Isomer shifts of 81-keV γ line of ^{133}Cs, 22:9908
  - Local moment relaxation in a superconductor, 25:56071
  - Measurement of g/sub R/ factor for 2^{+} rotational state of ^{172}Yb, 21:1100
  - Moessbauer effect in ^{166}Er and g factors for lowest 2^{+} states of some isotopes of Dy, Er, and Yb, 21:21541
  - Moessbauer effect in europium alloys, 22:44263
  - Moessbauer measurements in Eu—Ca and Eu—Sr alloys, 24:24185
  - Optical spectroscopy of rare earth perovskites, 22:20061
  - Paramagnetic resonance of Eu^{2+} dissolved in Yb metal, 23:8690
  - Paramagnetic resonance of Eu^{2+} dissolved in Yb metal, 23:39579
  - Spin and charge density in Eu—Yb alloys, 22:46260
  - Temperature dependence of the electronic relaxation in dysprosium ethylsulfate and dysprosium gallium garnet, 22:46224
  - The g/sub R/-factor of low-lying 2^{+} states, 21:5541
- HUEGEL, Frank J. CVD tungsten and tungsten—rhenium alloys for structural applications. II, 21:32866 (UCRL-70340(Pt.2))
  - CVD tungsten and tungsten—rhenium alloys for structural applications. I, 21:34871 (UCRL-70340(Pt.1))
  - CVD tungsten and tungsten—rhenium alloys for structural applications. III, 24:25655 (UCRL-71668)
  - CVD W and W—Re alloys for structural applications. I, 22:6962
  - CVD W and W—Re alloys for structural applications. II, 22:7011
- HUEGEL, H. Flow of compressible plasmas in self-induced magnetic field of arc discharges, 25:36103 (DLR-FB-70-13)
  - Investigations on plasma thrusters with thermal and self-magnetic acceleration, 21:16922
  - Phenomenology and energy balance of arc cathodes at low pressures and high current strengths, 23:39462
  - Stationary magnetogasdynamic shock in highly underexpanded current-carrying plasma jet, 25:40623
- HUEGEL, Helmut Electromagnetic velocity generation in electric arc jet engines, 21:46210 (LA-tr-67-33)
  - Flow of compressible plasmas in inherent fields of arc discharges, 25:3103
  - Velocity achievement in electric arc-jet engines, 21:2082
- HUEGEL, J. Magnetogasdynamic properties of stationary supersonic plasma jets, 25:36108
- HUEGI, Th. Geochemistry of U mineralization in the Swiss Alps, 21:14337
  - Uranium mineralizations in Swiss territory, 21:45260
- HUEGI, Theodor Distribution of radioactivity and optical phenomena in Dorenaz coal, 22:10387
- HUEGLI, H. Postirradiative exudative enteropathy in animals, 25:21831 (BNWL-tr-63)
- HUEHN, E. A. Back-scattering of electrons from silicon pin detectors, 21:45379
  - Backscattering of β-particles from lithium-ion-drift silicon detectors, 21:28199 (BMwF-FBK-67-18)
  - Coordination of scintigrams with x-ray pictures, 23:14241
  - New method to evaluate scintigrams using a television subtraction apparatus, 24:760
  - Procedure for multicolor recording of scintigrams obtained with gamma-ray camera. I, 24:36790
- HUEHNERMANN, H. Hyperfine structure of Ba II-resonance lines, 22:53177
  - Isotope shift in the resonance lines of the arc spectrum of ^{133}Cs, ^{135}Cs, and ^{137}Cs, 21:11399
- HUEHNERMANN, Harry Isotope shift in the resonance lines of ^{131}Cs, 22:50004
  - Polarization effect in the hyperfine structure of ^{63}CuI,3d^{9}4s^{2}m^{2}D, 21:17327
- HUELLEMANN, R. Clinical experiences with the use of corticosteroids during and after radiation treatment of female genital carcinomas, 21:6580
  - Direct intraureteral dosimetry in telecobalt therapy for cervix cancer, 21:6522
- HUELLER, J. Applicability of anion exchange with mixtures of nitric acid and methanol for the separation of rare earths, 25:4139
- HUELS, Manfred Problems of neutron pulse experiments on compact graphite, 25:25966 (JUL-690-RG)
- HUELSE, R. Radiation reactions in head—neck region, 25:46936
- HUELSEN, W. Dry counting of ^{32}P in liquid scintillation counters, 23:17357
- HUELSER, Dieter F. Autoradiography with the electron microscope: differential sensitivity of photographic emulsions for tritium, 25:23804
- HUEN, T. Angular dependence of photoemission from GaAs, 25:51350 (UCRL-73271)
- HUEN, Tony Frequency converter using large signal square-law semiconductor, 22:43176
  - Phase-plane method of exponential waveform measurement, 23:35569
- HUENCHEN, K. Evidence for first forbidden β decay ^{14}N(β^{-})^{14}O(2^{+},9.85 MeV), 24:5398
- HUENDORF, B. Pebble-bed mechanics. I, II, III, 25:46240 (EUR-4335)
- HUENDORF-RICHTER, B. Experimental results with the individualizer disc-scrap separator combination, 25:46271 (EUR-4342)
- HUENERMANN, B. Placentography: comparative investigations in nuclear medicine, 25:13517
  - Quantitative analysis of lung perfusion following bronchography, 25:55285
- HUENICKE, U.-D. Use of electroradiographic technique in nondestructive x-ray and gamma-ray materials testing, 24:29472
- HUENIG, R. Angiography, scintillation scanning, and ultrasound tomography of liver, 25:58044
  - Simultaneous determination of glomerular filtration rate and renal blood flow with ^{57}Co-cyanocobalamine and ^{131}I-orthohippuric acid, 25:11157
  - Thorotrastosis, 23:872
- HUENLICH, Arnold Methods for metallographic preparation of UO$_2$ and UO$_2$CeO$_2$, 21:20558
- HUENLICH, W. Evaluation of D$_2$O- and H$_2$O-reactors for developing countries, 23:37405
- HUENLICH, W. H. F. Planning problems connected with nuclear power integration in the Federal Republic of Germany, 25:34240
- HUENLICH, Werner H. F. Future prospects for nuclear power stations, 23:17179
  - Planning problems connected with nuclear power integration, 25:50953
- HUEPER, R. Prog. rpt. on fast breeder project, 11/70, 25:51028 (EURFNR-867)
- HUEPER, W. C. Occupational and environmental cancers of the respiratory system, 21:16490
- HUERLIMANN, T. Leakage of the reactor basin, 22:42365 (ORNL-tr-1904)
- HUERNER, H. Isotope effects in autoxidation. II, 22:33320
- HUERTA, Manuel A. Entropy oscillation and the h theorem for finite segments of infinite coupled-harmonic-oscillator chains, 25:10365 (ORO-3895-9)
- HUERTAS, M. L. Measurement of mobility and mass of atmospheric ions, 25:54800
  - Measurement of ultrafine radioactive particles in the air, 23:38107
  - Mobility of radioactive ions, 25:4395
- HUERTES, Vicente Almagro Applications of radioisotopes in electrochemical analysis, 25:51400
- HUERZELER, H. Preparation of ^{22}Ne in purity of 99.6 percent, 21:15975 (MLM-1375(TR))
  - Separation tube. XVII, 24:5808 (MLM-1680(tr))
- HUES, Alvin D. Titrimetric determination of Cu in Cu—B carbide mixtures, 21:1247 (LA-3552)
- HUESER, James N. Treatment of radioinduced keratoses, 23:31830
- HUESTIS, D. L. Selection rule for Σ^{+} in equilibrium Σ^{-} transitions in electron—molecule collisions, 25:58732
- HUESTON, F. H. Development of production techniques for uranium silicide, 22:25157
  - Melting and casting of U and its alloys, 22:637
- HUET, A. Deflecting channels for nuclear reactor fuel elements, 21:38623
  - Heat exchanger tubes with grooved profile, 21:36255
- HUET, H. Magnesiothermal process for the preparation of metallic uranium, 21:32850
  - Process of separation of uranium and thorium starting from a solution containing these two elements, 21:12516
- HUET, Henri Apparatus for converting UO$_3$ to UF$_4$, 24:46411
  - Apparatus for manufacture of uranium fluoride, 23:8280
  - Apparatus for the production of uranium fluoride, 24:42223
  - Method for the obtainment of uranium fluoride, 23:4606
  - Method of remote starting of exothermic chemical reactions for the production of uranium, 22:14510
  - Methods of preparing uranium by magnesiothermy, 21:6793
  - Process of separation of uranium and thorium starting from a solution containing these two elements, 22:10353
  - Process of separation of uranium and thorium starting from a solution containing those two elements, 22:14579
- HUET, J. C. Effects of radiation on the urinary excretion of free amino acids in the rabbit, 23:18087 (CEA-CONF-1172)
- HUET, J. J. Choice, design, and development of fuel for a HTR, 25:54084 (A/CONF.49/P-288)
  - Fabrication of spherical carbide particles. project dragon, 24:41005 (DP-Report-345)
  - Fabrication of spherical carbide particles, 25:726 (DP-Report-318)
  - Possible fast-reactor canning material strengthened and stabilized by dispersion, 22:7027
  - Powder metallurgy agglomeration method for fabrication of carbide spherical particles, 24:44754 (DP-Report-243)
- HUET, J. L. Detector for fast neutrons with small dependence of response on energy, 23:47753
  - Measurement of neutron flux by Mn bath, 25:6543
  - Measurements of fast neutron fluxes in the range of 10 keV to 1 MeV, 25:13216
  - Method of determining spatial distribution of tritium in thin-backed targets, 22:37242
  - New absolute measurement of neutron-induced fission cross sections of ^{235}U, ^{239}Pu, and ^{241}Pu from 17 keV to 1 MeV, 25:53733 (CONF-701002-, pp 257-71)
- HUET, J.-J. Dispersion strengthened ferritic steels, 24:10043 (KFK-985, pp 273-87)
  - Dispersion-strengthened ferritic steels for fast reactor fuel cans, 25:47119
  - Fabrication and properties of dispersion-strengthened ferritic steels, 24:27747
  - Metals for nuclear reactor cladding, 23:26997
  - Phase relationship in the U—C—V system, 24:10187
- HUET, M. Improvement of on-line acquisition by CAE 510 computer, 23:47905
- HUET, Michel Regeneration of x-irradiated Asterina gibbosa, 21:3445
- HUET, Pierre Aerodynamic measurements in a plasma jet, 21:9576

French nuclear program in the light of changes made since the 2nd Foratom Congress, 21:27708

HUETON, J. W. Industry reports: Canadian consultants and the Canadian nuclear industry, 25:57211 (70-CNA-657)

HUETTEL, G. Measurement of the thermal absorption cross sections of Lu, Eu, and Yb, 21:38303

Reactivity and pseudo-reactivity perturbations in various configurations of the Rossendorf annular core reactor. I, 24:24889

Studies on the self-shielding of highly diluted resonance absorbers, 25:57196

HUETTEMANN, P. W. Digitizing system for fast analog signals, 25:6587 (JUL-695-PP)

HUETTENRAUCH, R. Effect of high-energy radiation on the hydrolytic resistance of glass containers, 25:42754

Kinetics of ascorbic acid decomposition in heavy water, 23:45286

HUETTER, G. T. Flux within a shielded right-circular cylinder exposed to protons in space, 24:4451

HUETTER, G. Th. Passive readout technique for spark-discharge counters, 22:43105

HUETTER, G. Thomas Attenuation of space protons, 23:16865

Spark chamber spectrometry and space radiation studies, 25:49635 (AD-716843)

HUETTER, T. Mean life of the π^0 meson, 21:5353

HUETTERMANN, Juergen Electron spin resonance studies of free radicals formed from orotic acid, 24:29310 (UCLA-12-776)

Electron spin resonance studies of free radicals formed from orotic acid, 25:4093

Electron spin resonance studies of free radicals in irradiated single crystals of 5-methylcytosine, 25:51490

Free radicals in gamma-irridiated 2-deoxy-D-ribose, 24:9385

Free radicals in irradiated single crystals of 5-halo-uracil derivatives, 23:45650

Radioinduced free radicals in single crystals of thymine monohydrate, 24:44436

HUETTIG, W. Corrosion behavior of Zr—1 Nb in high-temperature water and steam, 23:41555

Study of some properties of sintered U_3Si_2, 21:31095

HUETTL, A. 900-MW Philippsburg Nuclear Power Plant with AEG Boiling-Water Reactor, 24:40724

Testing of the axial pump to date, 24:1994

HUETTL, W. Rosette motion in negative-particle channeling, 25:1304

HUETZ, J. New thermoelectric techniques for temperature measurement, 24:33959 (ANL-Trans-828)

HUEY, James M. Chronology of galactic heavy-element nucleosynthesis, 25:45255 (NYO-844-84, pp 44-7)

Isotopic composition of lead and thallium in natural materials, 25:44316 (NYO-844-84, pp 26-43)

Lead and Th isotopes in Mare Tranquillitatis surface material, 24:21526

HUEZ, M. Angular distributions of ^{6}Li(d,α)^{4}He in range 600 to 1200 keV, 24:38123

Differential cross section for reactions ^{6}Li(d,α)^{4}He and ^{7}Li(d,α)^{5}He, 24:13308

Reactions ^{16}O(d,p$_1$)^{17}O*, and ^{16}O(d,p$_0$)^{17}O, 24:33114

HUFF, Barbara B. Physicians' desk reference for radiology and nuclear medicine, 25:46916

HUFF, Dale Duane Simulation of the hydrologic transport of radioactive aerosols, 23:437

HUFF, E. A. Partition chromatographic studies of Am, Y, and rare earths in tricaprylylmethylammonium thiocyanate—ammonium thiocyanate system, 21:22022

Spectrographic analysis of Bi—Sn eutectic alloys, 21:42868 (ANL-7331)

HUFF, E. G. Formation and reactivity of oxides and basic salts. II, 22:42675

HUFF, F. A. Prog. rpt. on rainout of radioactivity in Illinois, 11/67, 22:8220 (COO-1199-14)

Rainout characteristics for hydrological studies, 22:18976

Relation between ^{144}Ce and ^{90}Sr rainout in convective rainstorms, 22:30727

Time distributions of radioactivity and chemical constituents in rainfall, 21:43054 (COO-1199-13)

HUFF, G. A. Dissolution and radiochemical analysis of uranium, calcium, and zirconium oxide nuclear fuel, 23:4521 (IN-1223)

Equipment and techniques for sealing ampoules containing irradiated ^{235}U solutions, 23:16063 (IN-1257)

HUFF, J. B. I. Irradiated-pasteurized fishery products. II. Operational guide for MPDI, 22:17066

Prog. rpt. on irradiated-pasteurized fishery products, annual, 10/65—9/66, 22:210 (TID-24016)

Prog. rpt. on operations of marine products development irradiator, annual, 10/66—9/67, 24:22849 (TID-25211)

HUFF, James Edward Protective agents modifying biological effects of radiation, 24:36767

HUFF, John B. Food irradiation, 23:4767

Process for preserving fish by irradiation, 23:50972

Replacement of underwater bearings in a high radiation field, 22:10509

HUFF, R. J. Stark-induced anticrossing in the n = 4 term of singly ionized helium, 23:16644

Stark-mixing signals in n = 4 term of singly ionized He, 23:18379

HUFF, Robert W. Simplified calculation of Lamb shift using algebraic techniques, 24:19733

Two-body problem in quantum field theory, 25:20071

HUFF, Sally D. Effect of x-irradiation on DNA polymerase and thymidine kinase activities in transformed lymphocytes, 24:29708 (UCD-472-116, pp 93-5)

Influence of biochemical parameters on metabolic responses of cells in culture, 23:12008 (UCD-472-115, pp 78-82)

Kinetics of DNA polymerase activity in transformed lymphocytes from peripheral blood of beagles, 24:29620 (UCD-472-116, pp 89-92)

HUFF, William L. Test devices blast load generator facility, 23:45436 (AD-687366)

HUFFAKER, D. C. Yield behavior of niobium single crystals, 23:48401

HUFFAKER, J. N. Analysis of ^{14}C β-decay spectrum, 25:50650

Approximate electron radial functions for beta decay and analysis of ^{12}B and ^{12}N spectra, 21:7847

Beta decay and nuclear structure in the mass-14 system, 25:12421

HUFFENUS, J. P. Rise of active water flow in Osiris reactor pool, 24:26809 (NP-tr-1886)

Study of stratification similitude laws in liquid hydrogen, 21:44004

HUFFENUS, J.-P. Rise of active water flow in the Osiris reactor pool, 23:43150

HUFFER, E. Decay asymmetry of the $K^- \pi^+$ system in K^- nucleon interactions at 3 GeV/c, 24:3549

HUFFMAN, A. H. Direct nuclear reactions as tests of time-reversal invariance, 22:32719

Interaction current contributions to parity non-conserving nuclear γ-transitions, 25:59856

HUFFMAN, Arthur H. Nuclear matrix elements in the double beta decay $^{130}\text{Te} \rightarrow {}^{130}\text{Xe}$, 24:49895

Nucleon—nucleon T-violating force from electromagnetic interaction, 24:35686

Time reversal and reciprocity in direct reactions, 24:35682

HUFFMAN, Arthur Hurn Nucleon—nucleon T-violating force and application, 24:6740

HUFFMAN, Claude Jr. Fluorimetric method for determination of U in the ash of plants, 24:38715

HUFFMAN, D. Calibration and use of a 5-in.-diam lithium glass detector, 23:11758 (GA-9048)

Calibration and use of a 5-inch diameter lithium glass detector, 24:33881

Experimental and theoretical neutron spectra, 21:2581 (GA-5319)

HUFFMAN, D. L. Analysis of fast-neutron spectrum measurements in paraffin, 21:38200

Experimental verification of neutron and gamma-ray transport calculation in lithium hydride and tungsten, 24:6572 (AD-854520)

Fast-neutron penetration in paraffin and lithium hydride, 25:38538

Neutron spectrum from a fission source in graphite, 23:8918

Neutron transport calculations in lithium hydride, 23:36756 (AD-822964)

HUFFMAN, D. R. Explanation for the broad supernova bands, 24:21455

HUFFMAN, Donald R. Interstellar silicate extinction related to 2200A band, 25:19446

Unidentified interstellar absorption bands, 24:46966

HUFFMAN, E. H. Amperometric titration of palladium(II) by oxidation with hypochlorite, 22:1966 (UCRL-17824)

HUFFMAN, F. Effects of intracorporeal heat and radiation on dogs, 25:26931

HUFFMAN, F. N. Implantable, Rankine-cycle radioisotope power source, 24:14195

In-vivo studies of ^{238}Pu capsules, 23:35892

Radioisotope-fueled vapor cycle power supply for an artificial heart, 25:4234

Studies on dogs with implanted ^{238}Pu sources, 25:4432

HUFFMAN, Fred N. Implantable nuclear power sources for artificial organs: preliminary pathologic effects. II, 25:21848

Intracorporeal ^{90}Sr—^{241}Am/Be sources simulating radiation fields from nuclear-powered artificial hearts, 24:46663

Simulated radiation fields from ^{238}Pu-fueled artificial hearts, 24:17147

HUFFMAN, G. N. Preparation and neutron counting of $^{238}PuO_2$ depleted in ^{18}O, 21:30485

Preparation of O reduced in masses 17 and 18 and the effect on total neutrons emitted from $^{238}PuO_2$ prepared with this material, 21:5976

HUFFMAN, G. P. Interaction between electrons and moving dislocations in superconductors, 24:35355

HUFFMAN, Gary N. Effective alpha activity and self-absorption alpha range in $^{238}PuO_2$ microspheres, 24:36524

Effective alpha activity of ^{238}Pu dioxide microspheres, 23:26457 (MLM-1642)

HUFFMAN, R. E. Decrease in D-region O_2($^1\Delta$/sub g/) photoionization rates, 25:16954

Effect of absorption by O and N on upper atmosphere composition measurements, 23:5320

Vacuum ultraviolet plasma arc radiation source for the 300 to 1000 A wavelength region, 24:12811

HUFFMAN, W. B. Coordination of large nuclear power plants, 24:18536

HUFFSTUTLER, M. C. Jr. Solvus composition for nickel-rich nickel—zirconium alloys, 21:26818

HUFNAGEL, G. Superconducting transition temperatures of Nb_3Sn strip samples, 24:47162

HUFNER, S. Conduction-electron contributions to hyperfine fields in Eu and Gd, 22:1337

First-order transition in europium metal, 25:5203

Moessbauer study of paramagnetic relaxation in dysprosium ethyl sulfate, 22:29567

HUFSCHMIDT, W. Determination of local and mean heat transfer coefficients in tubes at high heat-flux densities, 21:4663 (UCRL-Trans-10064)

Heat transfer in turbulent flow of liquids in tubes, 22:40310

Influence of artificial roughness on increase in critical heat flux of water in ring gaps under forced convection. I, 23:2496 (EUR-4040)

Influence of artificial roughness on increase in critical heat flux density of water in annular spaces under forced connection. I, 23:26443 (LIB/Trans-197)

Influence of artificial roughnesses on critical heat flux density, 23:45469

Measurement of the critical heat-flux-density of subcooled water in tubes at forced flow, 23:45463 (LIB/Trans-210)

HUG, G. Anisotropy of exchange and its variation with lattice parameters for rare earths in the paramagnetic state, 25:52947 (CONF-711001-(Vol.2), pp 713-23)

Paramagnetic anisotropy in strong fields and exchange anisotropy: application to dysprosium, 25:47636

HUG, Gerard Magnetocrystalline properties of single crystals of rare earths of the second series, 25:5194

HUG, M. S. Interaction of beta particles with thin films, 24:48988

HUG, O. Cell proliferation and radiosensitivity of transplantable animal tumours, 24:34569

Chromosome aberrations in radium therapy personnel, 22:45475

Dose and time dependence of radiation-induced chromosome aberrations in rat embryos, 25:39816

Effect of ionizing radiation on human organism, 22:10839

Kinetic aspects of molecular and cellular radiation effects, 24:27662

Production of osteosarcomas by incorporation of ^{226}Ra, 24:34033

Radiation injuries and radiation protection, 25:57099

Radiation-induced chromosome aberrations in rat embryos. I, 25:52217

Radiobiological therapy of malignant tumors, 24:32123

Radiological treatment of malignant tumors, 24:2764

Recommendations of ICRP for internal radiation burdens, 24:27581 (CONF-690540-, pp 329-55)

Recovery of division probability in single x-irradiated mammalian cells, 24:46648

Relevance of chromosome aberration yields for biological dosimetry after low-level occupational irradiation, 25:58015

Stochastics of radiation effects, 21:13018

HUG, Otto Chromosome aberrations after radium—x-ray therapy of gynecological tumors, 21:3401

Conference on biological aspects of radiation protection, Kyoto, 10/69, 25:42512

Dominant lethal mutations in descendants of irradiated male mice. I, 25:26726

Radiation induced free radicals of cholesterol in liquid phase, 24:16612

Radiation risk and protection, 25:42680

Random factors in the survival curve, 23:48188

HUG, W. F. Measured index of refraction for argon plasma, 21:44105

Measurement of refractive index in argon plasma at 6328A and 1.15 microns, 22:34641 (AD-666665)

Prog. rpt. on index of refraction of argon plasma, final, 7/66, 21:23159 (AD-643077)

HUG, William Frank Refractive index of Ar plasma at 6328 A and 1.15 μ, 23:42263

HUGEL, G. Microanalysis by successive isotopic dilution, 24:16439

HUGENHOLTZ, C. A. J. Diamagnetic plasma injection into a magnetic cusp, 21:18620 (NP-16612)

FREMIX: a high-power 8-GHz plasma heating experiment, 25:30456 (EUR-4593, pp 551-6)

Microwave diagnostic methods applied to Jutphaas injection experiment, 21:18641 (NP-16588)

Sampling system to display varying frequency shifts of a resonant cavity containing plasma, 24:19875

HUGENHOLTZ, N. M. Bogolyubov model for bosons and similar models, 24:49284

Equilibrium states of statistical mechanics, 25:30941

Locally normal states in quantum statistical mechanics, 23:25479

Many-body problems, 23:44575

HUGENSCHMIDT, Manfred Achieving local thermodynamic equilibrium states in laser-induced xenon plasmas, 25:36121

Temporal and spatial changes in electron density in xenon plasma, 25:9485

Two-wavelength interferometric analysis of plasmas produced by focusing beam of Nd laser, 25:33221

HUGENTOBLER, E. Bubble formation in the bubble chamber, 24:21021

Production of energetic He fragments with 22 GeV/c protons, studied in a bubble chamber, 21:38236

Spontaneous fission of ^{238}U and ^{241}Am, 25:12538

HUGGETT, R. W. Cosmic-ray study of properties of nuclear interactions in 10 to 300-GeV energy range, 25:45663

Energy measurements using ionization spectrometers, 24:29577

Image intensifier photography of simulated showers in large area layers of plastic scintillators, 23:16089 (N-68-34489)

Image intensifier photography of ultrahigh energy cascades in an ionization spectrometer. I, 24:36622

Ionization spectrometer with 10, 20.5, and 28 GeV/c incident protons, 23:43528

Multiple meson production by heavy primary nuclei of cosmic origin and their fragmentation products at energies above 10^{12} eV, 21:37676

Primary cosmic-ray proton spectrum, 24:3204

Spectrometer exposed to 10-, 20.5-, and 28-GeV/c protons, 25:23850 (N-70-42520)

HUGGIN, F. E. Analysis of systems for the recording of exponential signals, 23:35455 (AD-684029)

HUGGINS, A. K. Radioisotopic assay system for enzymes of the ornithine-urea cycle, 24:33643

HUGGINS, Elisha R. Energy-dissipation theorem and detailed Josephson equation for ideal incompressible fluids, 24:21711

Impulse and vortices, 21:9497

Magnus-force formula for three-dimensional fluid-core vortices, 24:21709

Possible flow-dependent temperature gradients in He films, 24:19842

HUGGINS, Leroy G. Engineering study of special terminations for a delay-line power supply, 21:30584 (CONF-661016, pp 153-5)

HUGGINS, Maurice L. Grafting acrylic acid to starch by preirradiation, 22:40147
HUGGINS, R. W. Metastable measurements in flowing helium afterglow, 21:11600
HUGGINS, Robert A. Thermodynamic considerations relating to the use of electrochemical techniques for the growth of single crystals of borides, 24:34939
HUGHES, A. E. Symmetry properties of defects studied by uniaxial stress spectroscopy, 21:44191
HUGHES, A. N. Ductile—brittle transition of uranium, 23:36123 (AWRE-O-21/69)
Embrittlement of U by H_2O and hydrogen, 24:27787
Identification of protective oxide film formed on Co—Cr—Mo alloy, 24:39604 (AWRE-O-18/70)
Low temperature tensile properties of uranium, 23:51046
Mechanical properties of U. I, 24:4775
Mechanical properties of U. II, 24:4781
HUGHES, A. R. W. Generation of vlf emissions at medium latitude, 23:27480
Sheffield University vlf experiment on the satellite Ariel 3, 22:17487
VLF observations on Ariel III, 22:17488
Vlf observations on Ariel III, 23:42091
HUGHES, A. T. Conference on hot dip galvanizing, Paris, 6/64, 22:8717
HUGHES, Ann M. Deuterium oxide effect on spermatogenesis in the mouse, 22:36342
HUGHES, B. M. Abundance of excited O^+ ions produced by electron impact on O_2, CO_2, N_2O, NO_2, and H_2O, 25:58763
HUGHES, B. Mason Detection and recognition of underground explosions, 21:1478 (NP-15686)
Determination of minor radiolysis products in liquid cyclopentane, 21:14239 (ORO-3106-17)
Ionic reactions in ethyl chloride, 23:47550
Mass spectrometric investigation of minor products in the radiolysis of liquid cyclopentane, 23:2342
HUGHES, B. P. Diffusion of water in concrete at temperatures between 50 and 95 deg C, 21:9643
HUGHES, Bernaid C. Nuclear excavation design of a transisthmain sea-level canal, 23:49986
HUGHES, Bernard C. Corps of Engineers' nuclear construction research program, 24:27264
Nuclear construction engineering technology, 23:17636 (NCG-TR-2)
Nuclear excavation design of a transisthmian sea-level canal, 23:2447
Nuclear excavation design of a transisthmian sea-level canal, 23:13894 (NCG-TR-6)
Project TANK TRAP: field evaluation of nuclear terrain barriers, 24:7543 (AD-693817)
HUGHES, Byron Mason Radiation chemistry of cyclopentane, 22:50998
HUGHES, C. A. Neutron-deficient osmium and rhenium isotopes, 23:11018
HUGHES, C. O. le C. Protection in use of radioactive materials, 24:32031
HUGHES, D. Administrative criteria for the designation of persons working with unsealed sources of radioactive substances, 24:12092
Calibration of a whole-body radioactivity counter for the measurement of body potassium content in clinical studies, 22:38297
Clinical studies on whole-body potassium content measured by gamma—ray spectrometry in health and disease, 22:49337
Design of radionuclide laboratories, 22:14620
Designation of persons working with unsealed radioactive substances, 25:2573
Effects of condensation on removal of fission products from steam-air mixtures, 23:4451
HUGHES, D. A. Measurement of the transient control rod motion and its effect on the AFRRI—TRIGA reactor pulse, 23:19537
Measurement of transient control rod motion and its effect on AFRRI-TRIGA reactor pulse, 23:26066 (AD-678725)
HUGHES, D. E. Recovery of microorganisms from the effects of ionising radiation, 23:35956
HUGHES, D. G. Flux-balance system for a nuclear magnetic resonance crossed-coil probe, 24:14376
Sodium-23 nuclear magnetic resonance in fine powders of Na chloride, 22:20083
HUGHES, D. J. Force suitable for deformation and Hartree-Fock calculations in light nuclei, 22:20759
HUGHES, D. M. Effects of O adsorption and ion bombardment on electrical properties of CdS films, 22:13593
HUGHES, D. W. Temperature distribution in an H-mode rf plasma torch, 21:13547
HUGHES, Daniel Effects of condensation on transport of matter, 23:15666
Effects of natural convection on removal of fission products from steam-air mixtures, 23:37594
Prog. rpt. on effects of non-quiescent atmosphere in containment vessels on dispersion of fission products, 4/67, 21:35588 (TID-23868)
HUGHES, Donald E. Jet pump assembly in a nuclear reactor, 22:39927
HUGHES, E. 200 Bev accelerator: equipment, targeting facilities, 21:2552 (UCRL-16830(Vol.2))
Analytical method for determination of normal butyl alcohol in tributyl phosphate (gas chromatography), 22:1962 (PG-Report-806)
Applications of absorption spectrophotometry to determination of impurities in TBP and degraded TBP kerosene mixtures, 21:1251 (PG-Report-737)
HUGHES, E. B. Design and performance of a streamer chamber for use in neutral beams, 22:36102
Electroexcitation of particle-hole states in ^{16}O, 24:5395
Electron excitation of particle-hole states in ^{12}C, 22:53121
Empirical response functions for a neutron multiplicity monitor, 24:6389
Energy dependence of the form factor in K/sub e3/$^+$ decay, 21:42251
Inelastic electron scattering in tritium and ^3He, 21:1015 (AD-634756)
Measurement of the K/sub e2/$^+$ branching ratio, 21:18888
Measurements of K/sub L/^{0} and neutron total cross sections, 24:30466
NaI(Tl) spectrometer for γ-rays in GeV range, 22:40455
NaI(Tl) total absorption detector for electrons and gamma-rays at GeV energies, 23:29144 (AD-683701)
NaI(Tl) total absorption detectors for strongly interacting particles at GeV energies, 24:4493
Neutron form factors from inelastic electron scattering in tritium and ^3He, 21:2612
Neutron multiplicity monitor observations during 1965, 21:37200
New instrument concept for gamma ray astronomy, 24:39367
Positron momentum spectrum and branching ratio of K/sub e3/$^+$ decay, 22:15666
Prog. rpt. on neutron multiplicity monitor operations at sea level and 3800 meter elevation, final, 6/22/65—6/22/66, 22:308 (N-67-19359)
Properties of a NaI(Tl) total absorption spectrometer for electrons and γ-rays at GeV energies, 24:39338
Total absorption detector (NaI(Tl)) for electrons and γ-rays at GeV energies, 23:9750
HUGHES, E. Daniel Correlation of rod bundle critical heat flux for water in the pressure range 150 to 725 PSIA, 24:43789 (IN-1412)
HUGHES, E. M. Engineering aspects of magnetohydrodynamic power generation, 21:46198
HUGHES, Evan Eugene Jr. Luminosities and spatial distribution of stars, 24:21459
HUGHES, F. Electrolytic grinding of tungsten carbide. II, 22:15162
Evaluation of the electrolytic grinding of tungsten carbide, 22:15163
Pressure sintering of silicon carbide, 25:45108 (AECL-3673)
HUGHES, F. E. Uranium ore deposit at Mary Kathleen, 23:40892
Uranium ore deposit at Mary Kathleen, 24:31517
HUGHES, F. H. Calibration of 1383A ionization chamber for /sup 87m/Sr, 23:2584
Calibration of 1383A ionization chamber for ^{132}I, 23:2621
Decay of /sup 113m/In, 25:20407
Using diamond abrasive wheels, 22:43640
HUGHES, F. R. San Onofre PWR core operations follow, 25:18072
HUGHES, G. Dragon fuel, 24:39688 (DP-Report-274)
Oxidizing radical in radiolysis of aqueous hydrochloric acid, 23:35197
Reactivity of OH and O^- in the radiolysis of aqueous solutions, 23:9435
Studies on coated particle fuel, 24:42190 (DP-Report-139)
HUGHES, G. F. Conjugacy of visual auroras during magnetically quiet periods, 23:10495
HUGHES, Garyth Improvements in carbon articles, 21:13304
HUGHES, George William Gas-cooled nuclear reactor, 24:38567
Nuclear reactor installation, 24:38566
HUGHES, H. Theoretical analysis of cladding stresses and strains produced by expansion of cracked fuel pellets, 24:6201
Theoretical analysis of cladding stresses and strains produced by expansion of cracked fuel pellets, 24:46128
HUGHES, H. A. Review of physics measurements at Calder and Chapelcross, 21:27761
Role of physics measurements in power reactors, with special reference to systems in operation in the United Kingdom, 21:27753
HUGHES, H. E. Handbook of diagnostic cytology, 22:49605
HUGHES, H. G. Differences between pulse trains of elf atmospherics at widely separated locations, 25:40458
Directional dependency of 'slow tail' elf atmospheric waveforms, 22:22014
Stabilization of poliovirus to ^{32}P decay, 25:42741
HUGHES, H. L. Rapid annealing of pulse-radiation-induced space charge in silicon dioxide, 25:36302
HUGHES, I. S. Omega$^-$ production by 6 GeV/c K^- mesons, 22:20140
HUGHES, J. New microporous thermal insulation, 21:26055
HUGHES, J. A. Levels in ^{47}Ca and ^{49}Ca, 25:12491
HUGHES, J. D. H. Effects of Y on structure and post-irradiation tensile properties of an Fe—Cr—Al alloy, 24:29994
High-resolution autoradiography of trace boron in metals and solids, 22:12250
Role of B in irradiation embrittlement of austenitic steel, 24:14857
HUGHES, J. L. New model of symmetric universe, 24:39803 (CPD-167)
HUGHES, J. M. Krypton-81m generator and its uses in cardiopulmonary studies, 24:32091
Use of radioactive Xe in evaluation of pulmonary functions, 25:35170
HUGHES, J. M. B. Lung scanning with radioactive gases, 23:19952
HUGHES, J. W. Insulation design and development for the Oldbury vessels, 23:11146
Metallic foil insulation, 22:7859
HUGHES, J. W. B. Stark states and O(4) symmetry of hydrogenic atoms, 21:43810
HUGHES, John E. Prog. rpt. on primary productivity in Chesapeake Bay during summer 1964, final, 4/67, 21:36479 (NYO-3497-11)
HUGHES, John P. Materials in a nuclear environment, 24:12497
HUGHES, K. C. Separation of the principal components in monazite, 24:22767
HUGHES, L. Studies of pulmonary function using the scintillation camera and ^{133}Xe for evaluation of topical ventilation and blood flow in man, 22:31120
HUGHES, L. B. Estimation of number of degrees of freedom of nuclear reaction widths distributions, 23:15506
Reaction $^{35}Cl(n,\gamma)^{36}Cl$, 24:47622
Study of $^{28}Si(n,\gamma)^{29}Si$ and $^{35}Cl(n,\gamma)^{36}Cl$ reactions, 23:34740 (ANL-7282, pp 319-25)
Study of the gamma radiation following thermal neutron capture by silicon, 21:25498
Study of thermal neutron capture in sulfur, 21:23449
Xenon-135 study of topographic pulmonary function, 22:51791
HUGHES, L. R. Phase perturbation induced during transauroral propagation, 22:52643
HUGHES, L. W. Improved model of the vacuum probe, 23:28662 (SC-RR-68-592)
HUGHES, Leroy R. Cloud-like distribution of electrons in ionosphere, 21:2104
HUGHES, Lewis Control of radiation hazards, 23:18032
HUGHES, M. A. Gamma-ray slant penetration probabilities for finite slabs, 22:31890
Thermal decomposition of uranium(IV) and of uranyl(VI) formates, 22:33364
Thermal decomposition of uranyl(VI) oxalate, 22:45047
HUGHES, M. H. Electron energy distribution functions and transport coefficients in helium and neon, 25:9464
HUGHES, M. N. Kinetic study of the reaction between nitrous acid and sulphamic acid, 21:32186
HUGHES, M. P. Absorption profiles (21 cm) of DR 21 and source near NGC 6857, 24:17489 (AD-696118)
Absorption profiles (21-cm) of DR 21 and source near NGC 6857, 24:17526
Absorption-line study of galactic H at 21 cm, 25:58651
Flux densities of planetary nebulae at 5 GHz, 21:39748
Galactic H absorption at 21-cm wavelength in direction of Virgo A, 24:51361
Galactic hydrogen absorption at 21 cm wavelength in direction of Virgo A, 25:13831 (AD-711300)
HUGHES, M. W. Tritium content measurements on a variety of water samples, 25:13103 (NP-18639)
Tritium content measurements on a variety of water samples. Technical Memorandum 31/1969, 25:13120 (NP-18638)
Tritium content measurements on variety of water samples, 25:37788 (NP-18844)
HUGHES, Michael Paul Study of 21 cm absorption by neutral H in Galaxy, 25:55791
HUGHES, P. T. Static stress analysis for the NAVSAT thermoelectric generator, 24:48221 (GA-8955)
HUGHES, Peter Charles Notch toughness of mild steel submerged arc welds, 23:33949 (NP-17940)
HUGHES, R. C. Geminate recombination of x-ray excited carriers in organic solids, 25:29140
X- and γ-radiation damage to single crystal anthracene, 23:15904
HUGHES, R. E. Structure of β-rhombohedral boron, 24:21394
HUGHES, R. G. Effect of uv irradiation and actinomycin D on polyoma virus replication in mouse, 23:43921
Effect of uv irradiation and actinomycin D on polyoma virus replication, 23:43915
Evidence on the isotropy of faint radio sources, 22:8872
HUGHES, R. H. Electron capture into 4s state of H by fast H^+ impact on gases, 22:5089
Electron capture into states of H by fast H^+ impact on gases, 24:26005
Electron capture into the n = 3 states of H by fast H^+ impact on N_2, 22:41371
Excitation of the $3^{1,3}D$ and $4^{1,3}F$ levels of He by direct electron impact, and $4^1P \rightarrow 4^{1,3}F$ collisional transfer, 23:20704
Excitation of the He/sub II/ lambda4686-A line by electron impact, 21:37109
Excitation transfer in helium, 21:16821
Polarization of $3^1D \rightarrow 2^1P$ radiation from H atoms, 23:25156
Production of H atoms by dissociation of fast H_2^+ and H_3^+ projectiles, 22:15356
Production of H atoms in the 3s state by the impact of fast ground-state H atoms on N_2, 24:10393
Production of n = 3 and n = 4 states of H by electron impact on H_2, 24:26019
Some total electron-capture cross sections for H_2^+ and H_3^+ impact on Ne, and H_3^+ on Ar, 22:50012
Spectroscopy with gas targets, 23:16640
HUGHES, Richard K. Complications from preoperative irradiation therapy for lung cancer, 23:26950
HUGHES, S. Current research on radiation damage processes by low energy heavy particles, 25:6633 (CONF-691106-, pp 46-72)
Low energy heavy ions in radiobiological physics, 22:29271
Range of 5- to 50-keV heavy ions in various gases, 22:999
HUGHES, T. A. Dipole states in ^{88}Sr, 23:15394
E1 transitions from analog states in ^{90}Zr, 25:28360
Energy levels of ^{46}Sc, 22:26974
Midstream evaluation, A = 88, 25:36705
Negative parity states in ^{91}Nb, 24:43414
Nuclear structure of ^{86}Sr and ^{88}Sr, 23:42888
Nuclide ^{50}Sc, 22:44641
Radiative E1 decay of analog states in ^{89}Y, 25:45964
HUGHES, T. C. Separation scheme for determination of alkali metals (K, Rb, Cs), alkaline earths (Sr, Ba), and rare earths (Ce, Nd, Sm, Eu) in silicate materials by isotopic dilution analysis, 23:2213
HUGHES, T. G. Criticality incident: August 24, 1970, Windscale Works, 25:39680
Development, design, and operation of oxide fuel reprocessing plant, 25:51559 (A/CONF.49/P-491)
Reprocessing of oxide fuel at Windscale, 25:4146
Reprocessing of oxide fuel at Windscale, 25:15735
HUGHES, T. H. Coupled neutronic-hydrodynamic fast reactor disassembly analysis, 24:33387

VENUS: a two-dimensional coupled neutronics-hydrodynamics computer program for fast-reactor power excursions, 25:28728 (ANL-7701)
HUGHES, T. P. Intensity dependence of the inverse bremsstrahlung absorption coefficient in hot plasmas, 22:48120
Plasmas produced by focused CO_2 laser radiation, 22:50196
HUGHES, V. A. Detailed survey of the galactic plane, 23:51334
Mechanism for anomalous OH emission from H II regions, 21:41732
Observations of W49 at 2800 MHz, 23:51242
Optical depth and excitation temperature of galactic H in direction of W49, 25:9069
Radio nebula NRAO 591/593, 23:20608
Radio observations of pre-protostars, 23:30246
Radio source W49 and anomalous OH emission, 21:41733
Spectrum of the radio source 4C 50.11/NRAO 150, 22:17298
HUGHES, V. W. Determination of muonium hyperfine structure interval through measurements at low magnetic fields, 23:14641
Elastic scattering of K^+ mesons by polarized protons at 1.54 and 1.71 GeV/c, 24:12953
Experiments on 2^3P state of He. I, 22:26257
Experiments on the 2^3P state of helium. II. Measurements of the Zeeman effect, 24:37204
Further search for S = + 1 baryon states in photoproduction, 23:5565
Magnetic moment and hfs anomaly for ^3He, 22:20448
Magnetic moment and hfs anomaly for ^3He, 24:10908
Muonium chemistry. II, 22:5136
Muonium. II, 25:16796
Parity conservation in strong interactions, 21:21421
Parity conservation in the reaction $T(d,n)^4He$, 22:53089
Photoproduction of Y^* resonances above 1800 MeV, 25:3251
Physics with polarized particles, 21:29776
Precise measurement of 2^3P_0—2^3P_1 fine-structure interval of He, 25:43122
Precision redetermination of fine-structure interval of ground state of positronium, 24:51414
Precision redetermination of the hyperfine structure interval of positronium, 21:27007
Pulsed source of highly polarized electrons, 22:1536 (YALE-2726-501)
Ratio of Λ and Σ^0 photoproduction cross sections; high-mass hyperon resonances, 22:11570
Recent muonium hyperfine structure measurements, 24:51413
Search for S = + 1 baryon states in photoproduction, 21:35250
Search for S = + 1 baryon states in photoproduction, 24:8556
Stopped muon channel for LAMPF, 25:17611 (LA-4474)
HUGHES, Vernon W. Atomic processes involved in matter—antimatter annihilation, 25:1455
Atoms, 23:30357
Muonium, 21:16800
Muonium. I. muonium formation and Larmor precession, 24:21566
Prog. rpt., annual, 1—12/67, 22:36702 (AD-664668)
Quantum electrodynamics, 23:36480
Search for strangeness S = + 1 baryon states, 25:25286
Tests of quantum electrodynamics from rf studies of atoms, 24:24199
HUGHES, W. Muonium, 22:7167
HUGHES, W. F. Combined free and forced convection in MHD, 21:39861
Electromagnetic wave interactions with a moving ionizing shock, 22:5242
Magnetoaerodynamic boundary layer flow with pressure gradient and separation, 24:49063
Magnetohydrodynamic effects in a journal bearing, 22:26285
MHD hydrostatic thrust bearing, 22:52604
HUGHES, W. M. Determination of g-factor ratios for free ^{85}Rb and ^{87}Rb atoms, 23:1165
HUGHES, W. P. Strain-age cracking in welded Rene 41: phase I, 21:39565
HUGHES, Walter L. Prog. rpt. on trace labeling of proteins, 6/19/68, 22:38195 (NYO-3515-3)
Prog. rpt. on transport and catabolism of proteins, techniques and mechanisms, final, 3/65—2/70, 25:60277 (NYO-3515-5)
Radiotoxicity of intranuclear tritium, ^{125}I, and ^{131}I, 25:46698
Uptake of ^{125}I labeled rat gamma globulin by intestinal epithelial cells in the neonatal rat, 25:60278 (NYO-3515-6)
HUGHES, William F. Boundary conditions and emf calculations for magnetohydrodynamic flow in infinite cylindrical configurations, 22:41417
Constant-velocity MHD Hall generator, 22:52569
Magnetohydrodynamic boundary layers, 23:46343
HUGHES, William M. Isotope shift in the ratio of atomic g/sub J/ values of H and deuterium, 24:15139
HUGHES-CALEY, F. Blast-closure valves, 21:10872 (NP-16458)
Cooling water for fallout shelters, 21:19877 (AD-641199)
HUGHES III, Henry Grady Coulomb energy in time-symmetric electrodynamics, 25:30711
HUGHES-JONES, N. C. Automation of blood group determinations using radioactively labelled antibodies, 21:26338
HUGHEY, L. R. Adsorption of water vapor on polycrystalline tungsten, 25:13669
HUGHS, R. W. Infrared reflow soldering, 24:53021 (BDX-613-169)
HUGHSTON, Lane P. Anisotropic, multi-fluid cosmologies with hypersurface orthogonal velocity fields, 24:23722
Homogeneous electromagnetic and massive-vector-meson fields in Bianchi cosmologies, 24:23720
Multifluid cosmologies, 24:8315
HUGILL, J. Comparison of several probe techniques for ionospheric electron concentration measurements, 22:31723
Containment of single particles in stellarators, 22:50136
Fast neutral injection for plasma heating and reactor start-up, 25:38505 (CONF-710607-130)
Plasma containment in the Proto-Cleo stellarator, 25:38373 (CONF-710607-106)
Plasma production in a gas jet by microwave ionization, 22:34713 (CLM-R-80)
Resonance relaxation sounder for the multiple ionospheric probe, 22:4526
Single-particle containment in a high-shear stellarator, 23:32332
HUGLIN, M. B. Electron irradiation stability of polysulphone, 24:11631
Extraction and analysis of monomer in film during radiation grafting, 25:15658
Obtaining semipermeable membranes with remarkable properties by radiochemical grafting of polytetrafluoroethylene films, 22:40146
Role of cations in radiation grafting and homopolymerization, 23:40757
HUGO, J. A. Resolution of (110) atomic planes of W in electron microscope, 24:17311
HUGO, Norman E. Radiation dermatitis and malignancy, 21:26643
Surgery of tumors of the skin, 21:32725
HUGO, P. Correlation between effective diffusion coefficient and porous structure in nuclear graphite, 25:8924 (DP-Report-437)
Corrosion rate of graphites by CO_2 and H_2O-vapor, 24:39679 (DP-Report-391)
HUGON Scattering π^- on ^{12}C in range 100 to 300 MeV, 23:25834
HUGON, J. Fine structural changes and localization of phosphatases in the epithelium of the duodenal crypt of x-irradiated mice, 21:11042
Fine structure of the nuclei of the duodenal crypt cells after x-irradiation, 22:33963
Ultrastructural and cytochemical changes in spermatogonia and sertoli cells of whole-body irradiated mice, 21:14596
Ultrastructural and cytochemical studies on karyolytic bodies in the epithelium of the duodenal crypts of whole-body x-irradiated mice, 21:14726
Ultrastructural modification after radioprotectors, 21:20250
Use of activable tracers for studying the diffusion of atmospheric pollutants: industrial applications, 25:32088
HUGON, Jean Emperipolesis and leukocyte necrosis in cell lines of the duodenal crypt in irradiated mice, 21:24626
HUGON, L. Scattering of negative pions on carbon, 24:15496
Scattering of negative pions on carbon, 24:49337
HUGON, Lionel Scattering of π^- mesons by ^{12}C near the (3/2, 3/2) pion—nucleon resonance, 25:40883 (NP-18889)
HUGON, M. Changes in the intensity of the 5303 A and 6374 A coronal lines in the course of the last two solar cycles (1944-1964), 21:36978
HUGON, Marcel High-resolution spatial cinematography of the photospheric granulation, 22:26163
HUGONY, P. Results of routine on-line analysis in use at UP1, 24:44062 (CEA-N-1292, pp 53-106)
HUGOT, Christian Spectrometer for cosmic and solar protons experiment S 72 aboard satellite ESRO II, 23:17788 (CEA-R-3700)
HUGUE, H. Effect of γ radiation on Corcyra cephalonica, 25:49273
HUGUENIN, G. R. Dynamic spectra of pulsars, 24:3076
Dynamic spectra of pulsars, 23:25064
New pulsating radio source, 22:43679
Observations of rapid fluctuations of intensity and phase in pulsar emissions, 25:40244
Periodic intensity fluctuations in pulsars, 23:44085
Properties of pulsars, 25:52552
Radio emission from pulsar MP 0031—07, 25:7038
Two new pulsating radio sources, 23:18326
HUGUENIN, J. CERN—PS 50 MeV linac progress report, 23:19069 (BNL-50120(Pt.2), pp 694-705)
Higher energy pre-injector for CERN PS, 23:19041 (BNL-50120(Pt.1), pp 269-92)
Initial tests of a high-gradient 550 kV accelerating tube with a duoplasmatron expanded plasma proton source, 21:29788
New 500 keV single-gap pre-injector tube for the CERN proton synchrotron linac, 21:11851 (LA-3609, pp 355-64)
Pre-injectors, 25:50250
HUGUENIN, P. Parity mixing for one nucleon states in light nuclei, 21:27652
HUGUENIN, Pierre Low-energy π—nucleus elastic scattering analysis, 22:20496
HUGUENIN, R. Gyromagnetic effect in V, Cr, Nb, Ta, Pd, and Pt, 25:40816
HUGUET, Claire Radioactive contamination of cultivated plants by irrigation water, 21:14606
HUGUET, M. Pulse-shape discrimination in a coincidence spectrometer using a germanium detector, 24:2484
Tokamak facility of Fontenay-aux-Roses: TFR, 25:7405 (CEA-CONF-1661)
Tokamak facility of Fontenay-aux-Roses, 25:30583 (EUR-4593, pp 403-9)
HUGUET, Michel Decay of ^{56}Co, 21:13836
High-energy γ radiation of ^{106}Rh, 21:42647
Profile of spectral lines furnished by pair spectrometers with Ge n-i-p diode, 21:45378
Study, by sum and coincidence method, of γ transitions in cascade by means of spectrometer using germanium n-i-p diode as detector, 22:19149
HUGUET, Regis Variations, at Toulouse, of concentrations of ^{210}Pb, ^{210}Po, and ^7Be in the air and precipitations, 22:183
HUGUS, Z. Z. Jr. Hydrogen—deuterium isotope effects in NQR spectroscopy, 24:41291
HUH, J. Y. Studies on the effects of radiation from radioisotopes incorporated into plants. I, 22:36408
HUH, Yeon Radiolysis reactions of colloidal silver and silver bromide, 25:8302
HUHN, D. Action of ^{60}Co gamma rays on life time and fine structure of peripheral thrombocytes, 21:26588
Fine structure of the bone marrow after whole-body irradiation, 23:22404
HUHNDORF-RICHTER, B. Improvements in and relating to circulation of core elements in pebble-bed reactor, 25:54057
HUHSE, Peter Pressure-glass cable bushings for reactor safety casings, 21:25652
HUI, B. H. Integral gamma-ray production cross-section measurements with Pu—Be neutron source, 25:5582
HUI, K. Y. Deuterium isotope effect in octahedral substitutions. IV, 23:7510
HUI, S. Automatic computation of importance sampling functions for Monte Carlo transport codes, 24:28389 (AD-699945)
Penetration of photons through a hot electron gas, 25:17165 (AD-713485)
HUI, S. W. Doppler-shifted acoustic cyclotron resonance in tungsten, 25:12022
HUI, Shirley Seung Orbital approximation to spatial eigenfunctions of many-electron Hamiltonian, 23:39339
HUICQ, R. Use of ultrasonics for testing foundry billets and semi-finished extrusions in alloys of Mg—Zr type for canning, 23:9666 (CEA-CONF-1069)
HUIGNARD, J. Study, using the gamma irradiation technique, of the migration and utilization of spermatozoa in the bean weevil, 25:29746
HUIJBREGTS, W. M. M. Oxidation of Nb in steam and steam—air mixtures, 21:11182
HUIJNEN, M. L. H. Resonance excitation of He by electrons, 24:39865
HUISKAMP, W. J. Heat-capacity measurements on rare-earth double oxides $R_2M_2O_7$, 23:51800
Nuclear orientation by rotational cooling and thermal mixing, 23:49001
Resonant destruction of nuclear orientation in a dilute paramagnetic crystal, 22:46222
Spin—lattice and cross relaxation of ^{54}Mn, 23:23276
HUISMAN, R. Non-stoichiometric phases Nb/sub 1 + x/Se_2 and Ta/sub 1 + x/Se_2, 24:32495
HUIZENGA, J. R. Angular distributions and cross sections of fragments from neutron-induced fission of ^{232}Th, 22:50651
Channel analysis of neutron-induced fission of ^{234}U, 24:30786
Dependence of fission-fragment angular distributions on target deformation and spin, 22:3717
Distribution of spacings of nuclear energy levels of mixed spin and parity, 21:27637
Effects of isospin on statistical nuclear decay, 25:45992
Energy levels of ^{243}Am, 25:3669
Fragment angular distributions for monoenergetic neutron-induced fission of ^{239}Pu, 23:5928
Identification of single-particle states in the fission transition nucleus ^{235}U, 21:33994
Level densities from excitation functions of isolated levels, 24:6878
Level width and density of ^{32}S between 17- and 21-MeV excitation energy, 23:7262
Levels of ^{237}Np, 24:24579
Levels of ^{237}U, 24:38267
Neutron-induced fission of ^{242}Pu, 24:38228
Note on interpretation of fission-fragment angular distributions at moderate excitation energies, 23:25944
Nuclear energy levels of ^{52}Cr, ^{55}Mn, and ^{64}Zn,. 21:38285
Nuclear pairing energy of transition nucleus ^{240}Pu, 22:53209
Pairing effects at fission saddle point of ^{210}Po and ^{211}Po, 23:31012
Reaction $^{232}Th(^3He,\alpha)^{231}Th$, 23:25922
Reactions $(^3He,\alpha)$ on actinide elements, 22:35326
Reactions $^{232}Th(d,t)^{231}Th$ and $^{238}U(d,t)^{237}U$, 25:5797
Reactions $^{242}Pu(d,t)^{241}Pu$ and $^{242}Pu(^3He,\alpha)^{241}Pu$, 25:46069
Single-proton transfer reactions on actinide targets, 24:43426
Structure of fission transition nucleus ^{235}U, 22:42029
Study of $^{234}U(^3He,\alpha)^{233}U$ reaction, 23:46994
Transition state in nuclear fission, 22:20642
HUIZENGA, John R. Heavy elements in stars, 23:32076 (CONF-681032-, pp 213-23)
Near-barrier fission induced with photons and neutrons, 25:5850
Prog. rpt. on nuclear fission, nuclear reactions, transuranic nuclei, and geo- and cosmochemistry, 9/67—6/68, 22:39635 (NYO-3938-1)
Prog. rpt. on studies of nuclear fission, low-energy nuclear reactions and transuranic nuclei, 6/69—6/70, 24:40617 (NYO-3938-3)
Prog. rpt. on studies of nuclear fission, low-energy nuclear reactions and transuranic nuclei, annual, 6/70—6/71, 25:41230 (NYO-3938-4)
HUIZENGA, W. Current measurement of an intense ion beam with a collector, 22:37259
Measurements on a plasma formed by injection of energetic ions into a magnetic quadrupole field, 21:35139 (CONF-661041-6)
Microwave diagnostic methods applied to Jutphaas injection experiment, 21:18641 (NP-16588)
Plasma formation, heating and stability in a cusped magnetic field by injection of a 20 keV hydrogen ion beam, 25:47554 (NP-18939)
HUIZING, R. General requirements in the fabrication of stainless and carbon steels and heat treatment for the prevention of intercrystalline corrosion, 24:10022
HUIZINGA, M. Delayed-neutron half-lives for ^{233}U, ^{235}U, and ^{239}Pu, 23:37231
HUIZINGA, Martin Neutron groups from fission fragments of ^{239}Pu in light and heavy water, 24:10997

Short-lived delayed neutron and photoneutron groups from fission fragments of ^{239}Pu in light and heavy water, 25:25728 (TID-25643)
HUJIMOTO, Yukio Lung cancer, 22:6841
HUJINO, Tadashi Ophthalmological studies on infants of atomic bomb survivor mothers in Nagasaki, 22:4655
HUJISAWA, Hideo Ophthalmological studies on infants of atomic bomb survivor mothers in Nagasaki, 22:4655
HUKAI, Y. Determination of (n,γ) reaction Q-values from capture γ-ray spectra, 23:21284
Prompt activation analysis of coal using neutron-capture gamma rays, 21:35869
Prompt gamma rays from thermal-neutron absorption by ^{235}U and ^{239}Pu, 25:41250
Thermal-neutron capture-gamma rays for ^{232}Th, 25:41249
HUKE, K. Electroproduction of neutral pions through N*(1236), 23:10735
Measurement of γpN*(1236)-vertex form factors, 22:52919
HUKE, Kazuo Electron beam extraction from INS AG synchrotron. II, 21:15453
Electron beam extraction from INS AG synchrotron. I, 21:15452
Electron model of axially symmetric isochronous cyclotron, 22:11757
Hamiltonian formulation of non-linear betatron oscillations in beam ejection system of AG synchrotron, 24:1688 (SJC-A-68-2)
One-third resonance extraction from INS AG electron synchrotron, 22:50497
HUKKERI, P. B. Chelate formation of 4-carboxycatechol with some metal ions, 25:48517
HUKKOO, R. K. Dosimetry of the gastrointestinal tract superficially contaminated by alpha and beta emitters, 24:21153 (BARC-408)
Experimental re-evaluation of two-crystal scanning geometry for whole-body counting with log-shape placement of crystals, 24:48259 (BARC-498)
Optimization of crystal positions in multidetector—stretcher whole-body counting assembly, 25:6531 (BARC-505)
Whole body counting of radiation workers, 25:37575 (BARC-548)
Whole-body counting of uranium mine workers, 23:29495 (BARC-389)
HUKKOO, Ramesh Lithium fluoride thermoluminescent dosimetry for β rays, 21:26240 (CONF-650637-, pp 482-9)
Thermoluminescent internal beta-ray dosimetry, 22:31107
HUKUDA, Kenzi ESR studies on gamma-irradiated (KPO$_3$)/sub n/ crystals, 24:25088
ESR study of γ-irradiated K$_2$SeO$_4$, 23:27686
HUKUI, Tosito Effect of uv on Blepharisma undulans japonicus, 24:14577
HULANICKA, E. Photoreactivation of the uv-damaged streptomycin resistance marker in DNA of streptococci and pneumococci, 21:24320
HULBERT, D. MCR primary loop heat exchanger development report, 22:32927 (GMAD-3078-33)
HULBERT, D. I. Reference MCR control drive basis, 22:32931 (TID-21091)
HULBERT, J. A. Observation of Froehlich—Terreaux quasi-superconducting state, 21:13502
HULBERT, M. Radiation protection adjacent to scar tissue, 22:28678
HULD, B. Approximations for calculating radiative corrections, 22:34910
Hard photon radiative correction to wide angle pair production, 21:17088
Radiative corrections to symmetric pair production, 22:26606
HULEK, Z. Experimental devices for duoplasmatron studies, 23:42813
Measurement of discharge characteristics of duoplasmatron, 23:42812
HULET, E. K. Absorption spectra of Bk^{3+} and Bk^{4+} in solution, 21:40825
Alpha decay of ^{255}Md, ^{256}Md, and ^{257}Md, 25:46049
Determination of No(II)—No(III) potential from tracer experiments, 24:2184
Hutch heavy element experiment, 24:22150 (UCRL-50767)
Mendelevium: divalency and other chemical properties, 22:10255
Nuclear decay properties of ^{254}Fm, 22:42046
Radiochemical determination of alpha half-life of ^{241}Am, 22:48549
Recovery and study of heavy nuclides produced in a nuclear explosion: The Hutch Event, 24:41535 (CONF-700101-(Vol.2), pp 1283-94)
Spontaneous-fission half-life of ^{258}Fm and nuclear instability, 25:20443
Symmetric fission observed in thermal-neutron-induced and spontaneous fission of ^{257}Fm, 25:43920
Use of electrodeposition methods to prepare actinide targets for cross section measurements and accelerator bombardments, 25:49384 (UCRL-73121)
HULET, E. Kenneth Nuclear spin of ^{249}Bk from the hyperfine structure in its emission spectrum, 21:19248
Sensitive spark lines of einsteinium, 22:1000
HULETT, L. D. Optical and electron microscopy, 24:13740 (ORNL-4466, pp 99-101)
HULETT, L. D. Jr. Effect of neutron irradiation on copper crystals at high temperatures, 22:41680
HULETT, S. H. Environmental radiation levels and concentrations, first half 1966, 21:1739 (GAT-528)
Environmental radiation levels and concentrations, 21:36145 (GAT-552)
Environmental radiation levels and concentrations: second half and annual summaries, 1967, 22:18966 (GAT-553)
Environmental radiation levels and concentrations, first half 1968, 23:434 (GAT-574)
Environmental radiation levels and concentrations, first half 1969, 24:2596 (GAT-605)
Environmental radiation levels and concentrations, 24:21148 (GAT-606)
Environmental radiation levels and concentrations, first half 1970, 25:6697 (GAT-628)
Environmental radiation levels and concentrations, second half and annual summaries, 1970, 25:32370 (GAT-629)
HULIN, Christiane Compatibility of various magnesium alloys with pressurized carbon dioxide at high temperatures, 23:18183 (CEA-R-3625)
HULKA, Charles J. Experimental investigation of absorption in the 1.056 eV resonance of ^{240}Pu, 24:52574
Neutron absorption in the 1.05-eV ^{240}Pu resonance in undermoderated plutonium assemblies, 24:7216
HULKA, I. Economic aspects of fuel cycles, 24:11124
HULKA, Ivan Economical aspects of fuel cycle in Czechoslovakia, 22:50746 (ZJE-25)
Economically effective atomic power system, 23:26054
Economically effective atomic power system, 24:18546
Trends of important nuclear power plant parameters, 21:27704
HULL, A. Tentative method of analysis for ^{131}I content of atmosphere (particulate filter: charcoal gamma), 24:41451
Tentative method of analysis for gross alpha radioactivity content of the atmosphere, 24:33793
HULL, A. P. Comparison of estimated and measured long-term ^{131}I concentrations from a continuous elevated source, 21:22050
Continuous low level environmental measurement of ^{41}Ar and other radioactive noble gases, 22:18947 (BNL-12154)
Environmental monitoring radiation levels at BNL, 1964, 21:20163 (BNL-50001)
Environmental monitoring radiation levels at Brookhaven National Laboratory, 1965, 22:40258 (BNL-50093)
Environmental monitoring radiation levels at BNL, 25:4503 (BNL-50196)
Evaluation of fission product and activation isotopes in a reactor stack effluent and in the nearby environment, 22:16266 (BNL-12169)
Evaluation of fission product and activation isotopes in a reactor stack effluent and in the nearby environment, 25:16178
Invited comments on a derivation of the 'factor of 700' for ^{131}I, 25:13438
HULL, Andrew P. Comparisons of environmental risks from nuclear and fossil fueled power plants, 24:18470 (BNL-14412)
Nuclides of concern in the environmental aspects of nuclear power operations, 24:26707 (BNL-14641)
Radiation in perspective: some comparisons of the environmental risks from nuclear- and fossil-fueled power plants, 25:28627
Recapitulation of effluent releases and related changes in background radiation levels at Brookhaven National Laboratory, and some comparisons with those associated with nuclear power reactor plants, 25:55200
HULL, Bruce P. Jr. Animal investigation program baseline studies, 23:12073 (SWRHL-54-r)
HULL, D. Brittle fracture of polycrystalline tungsten, 23:18215
Crack propagation in single crystals of molybdenum, 23:48405
Dislocation densities in tungsten, 21:36870
Orientation dependence of yield in body-centered cubic metals, 21:24770
Plastic deformation of Ta single crystals. I, 21:31048
HULL, D. E. High-temperature neutron-diffraction furnace, 21:350
Methods of fluid measurement with radioactive tracers, 21:16055
HULL, Frederick C. Estimating alloy densities, 24:2906
HULL, G. Superconducting behavior of intermetallic compounds with fluorite structure, 23:44362
HULL, G. R. Axial expansion of mixed-oxide fuel during irradiation, 23:37625
Heat transfer coefficients between fuel and cladding in oxide fuel rods, 23:47341 (GEAP-5748)
HULL, G. W. 3d elements in superconducting PdSb, 22:29393
Marcasite type superconductor (CuSe$_2$), 23:1301
Properties of SmB$_6$ doped with Eu and Gd, 24:24152
Superconductivity and antiferromagnetism in boron-rich lattices, 22:13385
Superconductivity at 20°K, 21:27092
Superconductivity in hexagonal tungsten bronzes, 21:27090
HULL, G. W. Jr. Superconductivity in rocksalt-type compounds, 24:49096
Superconductivity of Nb$_3$(Al,Ge) above 20.5°K, 23:1351
Superconductivity of Nb$_3$Al, 23:34354
Superconductivity of niobium thin films deposited by dc-diode sputtering, 22:1078
Superconductors with magnetic impurities, 22:52689
HULL, J. Thermally activated deformation of α—Zr and α—Zircaloy, 22:43571 (TID-24570)
HULL, J. L. Calibration of Bonner ball neutron detectors used at Tower Shielding Facility, 25:42055 (ORNL-TM-3465)
HULL, J. R. Interpretation of small-angle π^-p elastic scattering from 1.71 to 3.01 GeV/c, 25:3281
HULL, L. A. Oxidations of amines. III, 21:15891
HULL, L. J. Materials selected for Fort St. Vrain prestressed concrete reactor vessel, 25:5883
Peach Bottom stress corrosion cracking, 22:32840
HULL, M. H. Jr. Reaction matrix elements and structure calculations with the Yale and Reid potentials for the Ni region, 25:56857
Unitary-model-operator approach to nuclear-structure physics. II, 21:44793
Unitary-model-operator approach to nuclear-structure physics. I, 21:44794
HULL, Norma C. PITFALL I: general purpose data processing program for environmental data, 24:23138 (ORNL-IBP-70-2)
STATPAK [statistical computer programs], 21:34192 (ORNL-TM-1863)
HULL, Patricia Groves Cdd poles in pion—kaon dispersion relations, 25:14696
HULL, R. H. Jr. Some AOQ and AFI values for Dodge and Torry CSP-3 continuous sampling plan, 21:35830 (Y-1585)
HULL, Robert J. Microwave discharge source for atomic and molecular beam production, 22:43877
Spin-exchange cross sections for ^{87}Rb—^{87}Rb and ^{87}Rb—^{133}Cs collisions, 21:11450
HULL, T. Lung cancer following ^{210}Po inhalation in rats, 22:2537
HULL, William E. Separated wave functions for the ground state of two-electron atoms, 24:23759
HULLAND, E. D. Canned foods. An introduction to their microbiology, 25:49334
HULLIGER, F. Conductivity character of rare-earth compounds, 23:1552
Deformation of lattices of two rare-earth phosphides, 23:16876
Ferromagnetic semiconductors Eu$_3$P$_2$ and Eu$_3$As$_2$, 25:47657
Marcasite type superconductor (CuSe$_2$), 23:1301
New ternary thorium and uranium compounds MYX, 22:47118
Preparation of Th and U oxychalcogenides, 23:4617
Superconductivity in rocksalt-type compounds, 24:49096
HULLIGER, Fritz Magnetic behavior of new 2H—NbS$_2$-type derivatives, 24:21887
Synthesis of new thorium compounds, 24:31316
Synthesis of new uranium compounds, 24:29304
HULLIN, R. P. Effect of Li salts on uptake of ^{125}I by rat thyroid gland, 24:36686
HULLO, Raoul Decontamination by fractional distillation of radioactive mixture of perchlorethylene, bitumen, and sludges from chemical coprecipitations, 23:33246 (CEA-R-3778)
Use of a thin-film evaporator for bitumen coating of radioactive concentrates, 23:50090 (CEA-R-3742)
HULLY, Richard JOANIE: a multianalyzer program for pulse height analysis, 25:26495
HULM, J. K. Effect of paramagnetic centers on superconducting transition in oxygen-deficient SrTiO$_3$, 23:32304
Far-infrared absorption in superconducting niobium alloys, 21:33311
High field properties of pure niobium nitride thin films, 23:30486
Low-temperature heat capacities of superconducting degenerate semiconductors, 24:28176 (UCRL-19163)
Preparation and properties of superconducting thin films of β-W structure compounds, 24:23935
Preparation and superconducting properties of thin films of transition metal interstitial compounds, 23:33376
Sputtering techniques for controlling composition of thin films of high-T/sub c/ superconducting compounds, 25:25034
Superconducting devices and applications, 24:10469
Superconducting interactions in tin telluride, 22:29427
Superconducting properties of Nb—Ti nitride thin films, 24:8420
Vacancies and superconductivity in titanium monoxide, 22:29437
HULM, John K. Superconducting magnets, 25:47493
Superconducting solenoid formed from a niobium-base alloy of varying composition, 21:7169
HULME, B. E. Radicals and excited states in the pulse radiolysis of 9,10-anthraquinones, 23:28924
HULME, B. L. Efficient ordering of set expressions for symbolic expansion, 25:51334 (SC-RR-710465)
HULME, Bernie L. New bicubic interpolation over right triangles, 24:50306 (SC-RR-70-607)
HULME, E. C. Isotope-exchange reactions of ox heart phosphofructokinase, 25:34596
HULOVEC, J. Applications of medium-size power reactors for process and space heat, 23:28594 (ZJE-41)
Development of the heavy-water reactor in Czechoslovakia, 23:26021
Prospects of heavy-water reactor development in Czechoslovakia, 22:30231
HULOVEC, Jan Czechoslovak way of development of nuclear power engineering, 23:26001 (ZJE-35)
First Czechoslovak nuclear power plant and perspectives of nuclear power in Czechoslovakia, 22:3850 (ZJE-1-67)
First Czechoslovak nuclear power plant and perspectives of nuclear power in Czechoslovakia, 23:31129 (ZJE-38)
Prospect of heavy water reactor development in Czechoslovakia, 22:50747 (ZJE-26)
HULPKE, E. Velocity distribution of cathode-sputtered potassium, 22:948
Velocity distribution of cathode-sputtered potassium, 24:31202 (SC-T-70-4020)
HULSBOSCH, A. N. Distance determination for high-velocity H I clouds around longitude 125°, 25:55717
HULSE, E. V. Degeneration of cardiac and skeletal muscle in radiation chimeras, 23:35672
Depigmentation of hair after doses of roentgen rays, 25:21886
Incidence and pathogenesis of skin tumours in mice irradiated with single external doses of low energy beta particles, 22:8602
Osteosarcomas, fibrosarcomas, and basal-cell carcinomas in rabbits after irradiation with gamma-rays or fission neutrons, 24:6110
Radiation-conditioned aversion in rats, 22:23605
Radiosensitivities of cells from which radiation-induced skin tumours are derived, 23:20400
RBE of gamma and neutrons in rabbits, 22:582
Skin tumor incidence in exposures to low-energy beta particles, 23:48204
Treatment of radiation sickness, 22:15041
HULSE, N. D. Automatic timing of the neutron-generator counting station, 25:32304 (NIM-967)

- HULSE, William H. Recombination coefficient and coronal contribution to E-layer ionization, 22:5224
- HULSEY, W. J. Rolling and recrystallization of beryllium single crystals, 23:43981 (Y-1679)
- HULSEY, William Jewell Rolling and recrystallization of beryllium single crystals, 24:46750
- HULSIZER, R. I. MIT PEPR system for measurement of bubble chamber film, 24:7679 (CONF-690301-, pp 454-65)
  - Study of $K^-p \rightarrow$ anti KNπ reactions at 1.33 GeV/c, 22:34853
  - Two-body final states of K^-p interactions at 1.33 GeV/c, 22:37083
- HULSTMAN, L. Electronic circuits used in a semiconductor detector alpha spectrometer for coincidence measurements, 21:43251
  - High-stability discriminator using a common diode as discriminating element, 22:14883
- HULSTON, J. R. Isotopic composition of hailstones, 24:4357
  - Revised zero-point energy calculation for $H_2O + D_2O$ reversible 2HDO isotopic equilibrium, 23:17404
- HULTBERG, S. Electron beam technique for intraorbital tumours, 22:51744
  - Numerical calculation of K-shell photoeffect, 23:20668
  - Representation of electron scattering in photoelectric angular distributions, 22:52498
  - Rotational bands in ^{171} ^{173} ^{175}Hf from (particle, xn) reactions, 25:28323 (CERN-70-30(Vol.2), pp 949-55)
- HULTBERG, Soelve Plural and multiple scattering of electrons, 24:19722
- HULTGREN, A. Backwashing, concentration, and decontamination on a silica gel column of plutonium extracted by trilaurylamine, 22:16688
  - Recovery of plutonium and its use in nuclear reactors, 21:19750
  - Silex process, 24:22742
- HULTGREN, Ake Process for recovering plutonium and uranium from reactor fuel elements irradiated at various degrees, 25:13101
  - Recovery of Pu and U from reactor fuel elements, 25:26346
- HULTGREN, Ake V. Amine extraction processes for plutonium separation, 22:40169 (KR-126, pp 201-28)
- HULTGREN, Ake Valdemar Manner of processing plutonium-containing uranium fuel from nuclear reactors, 25:23698
- HULTGREN, F. Thermal depinning of dialocations, 24:32443
- HULTGREN, G. O. Comments on configuration interaction combined with a correlation factor for two-electron atoms, 25:55892
- HULTGREN, Myron K. Experimental amyloidosis in isogeneic x-irradiated recipients of sensitized spleen tissue, 22:8439
- HULTGREN, Ralph Role of calorimetry in the thermodynamics of metals and alloys, 25:12916 (UCRL-19115)
  - Vapor pressure studies of iron—manganese alloys, 21:20491 (UCRL-16350)
- HULTGREN, Ronald O. Response of a thin-walled, short closed cylinder to an arbitrary moving pressure wave of short time duration, 22:48808 (SC-CR-67-2630)
  - SCIT: computer program for state of stress in earth target, 22:23134 (SC-RR-65-179)
- HULTGREN, Valdemar Recovery of substances from dilute solution, 22:10351
- HULTH, P. O. Hardware system for measurements of bubble chamber films on-line, 25:18776 (USIP-70-3)
  - System for on-line control of bubble chamber measurements, 25:13282 (CERN-70-21(Vol.2), pp 825-30)
- HULTIN, S. O. Power demand and nuclear power in Finland, 22:30201
- HULTING, Bengt Clinical evaluation of a new portable unit radiographic technique, 25:21237
- HULTKRANTZ, B. O. Survey of sweden, 24:47705
- HULTQUIST, Arnold E. Production of beryllium alloys, 21:4925
- HULTQVIST, B. Electrostatic waves at MHz frequencies in upper ionosphere, 25:17012
  - Polar magnetic substorms, 24:39929 (ESRO-SP-38, pp 21-39)
- HULTQVIST, Bengt Anisotropy for 1- and 6-keV positive ions in upper ionosphere, 25:27604
  - Auroral particles, 22:47941
  - Auroras and polar substorms, 23:30440
  - Introduction to geocosmic physics, 22:11317
  - Production of magnetic-field-aligned electric field by interaction between magnetospheric plasma and ionosphere, 25:45378
- HULTSCHIG, H. Basic principles of a high-duty-cycle electron-ring accelerator, 23:37047 (UCRL-Trans-1396)
  - Elastic electron—proton scattering at momentum transfers up to 245 F$^-$, 21:3973
  - Elastic electron—proton scattering at momentum transfers up to 110 fermi^{-2}, 21:21131
  - Elastic electron-proton scattering at momentum transfers up to 110 Fermi$^-$, 21:7445 (DESY-66/27)
  - Inelastic electron proton scattering at high momentum transfers, 23:7077
  - Inelastic electron proton scattering at high momentum transfers, 23:7072 (DESY-68/48)
  - Inelastic electron proton scattering at fixed four momentum transfer of 0.773 and 1.935 $(GeV/c)^2$, 23:27734 (DESY-69/7)
  - Inelastic electron—proton scattering at 0.773 and 1.935 $(GeV/c)^2$, 24:1496
  - Quasielastic electron—deuteron scattering between $q^2 =$ 18 fm^{-2} and 100 fm^{-2}, 22:26554
  - Quasielastic electron-deuteron scattering between $q^2 =$ 18 f^{-2} and 100 f^{-2}, 22:29614 (DESY-68/14)
  - Separation of sigma/sub l/ and sigma/sub t/ in region of deep inelastic electron—proton scattering, 24:10652 (DESY-69/46)
  - Some recent measurements of proton form factors, 21:29429
- HULUBEI, H. Analysis of the energy variation of baryon behavior in inelastic π-N scattering, 21:17119
  - Nuclear structure effects in elastic and inelastic scattering of neutrons, 22:27379
  - Proton scattering on ^{22}Ne, 23:13241
  - Proton—gamma angular correlations on ^{11}B and ^{31}P, 24:38134
  - Study of the α—γ correlation for $^{32}S(\alpha,\alpha'\gamma_{2\ 14})$ reaction, 21:44605 (ZFK-122, pp 249-57)
  - Utilization and the role of the research reactor for the nuclear technology development in Rumania, 25:54177 (A/CONF.49/P-344)
- HULUBEI, Horia Angular correlations of π^{-+} mesons in reactions $\pi^{-+}p \rightarrow$ AKmπ and $\pi^{-+}p \rightarrow$ N anti KKmπ with m greater than or equal to 3 for energies of 7.5 and 8 GeV, 24:52088
- HULUBEI, V. Fast transistorized time-to-amplitude converter, 24:5889 (IFA-NR-29)
- HUMA, Nazhat Inelastic meson—baryon scattering with Veneziano model and SU(3) symmetry, 25:41008
  - Reaction $\pi^-p \rightarrow$ etan with Veneziano terms, 25:30884
- HUMASON, Gretchen Histopathologic study of intradermal Pu metal deposits, 23:26931
- HUMBER, J. Y. Serological properties of porcine trypsin, 22:36159
- HUMBERSTON, J. W. Bound states of three identical bosons, 22:39304
  - Calculation of the triton binding energy, 23:25787
  - Deuteron wave functions for Hamada—Johnston potenital, 24:40674
  - Triton binding energy calculations with realistic local potentials, 23:8931
  - Triton binding energy calculations with Hamada—Johnston potential, 24:43482
- HUMBERSTONE, G. H. Prog. rpt. on kinetic studies of heterogeneous water reactors, 7—9/66, 21:13988 (STL-372-47)
  - Prog. rpt. on kinetic studies of heterogeneous water reactors, annual, 1966, 21:40575 (STL-372-50)
- HUMBERT, G. Analysis of experiments performed in Masurca, 24:22454
- HUMBERT, J. Background continuum of some stars of different spectral type, 23:12468
- HUMBERT, Jacques Improvements in apparatus for and methods of opening tubular members, 22:10462
- HUMBERTO FONSECA ARAUJO, Walter Design of electro-optical shutter for high speed photography in plasma studics, 21:37419 (NP-16711)
- HUMBLE, J. E. Anomalous Forbush decrease, 23:34297
  - Directional cosmic-ray cutoffs and the loop-cone phenomenon at midlatitude sites, 25:7196
- HUMBLE, S. Process $\pi^-p \rightarrow \pi^+\pi^-n$ near threshold, 22:44431
  - Relations between coupling constants obtained from chiral SU_3 x SU_3 current algebra, 21:2495
  - Statistical model for high-energy elastic scattering at all angles, 23:15270
  - T = O, J = O pion—pion interaction, 22:50409
  - Unitarization of Veneziano model, 23:51917
- HUMBLE, Stephen Coupled dynamical equations incorporating unitarity and crossing. I, 23:46707
  - High-energy single-particle production on Van Hove plot, 25:30890
  - Low-energy production processes and the pion—pion interaction, 23:13101
  - Unitarity effects in Veneziano model, 24:49462
  - Unitarity, crossing, and two-body effects in a low-energy production model, 24:13095
- HUMBLET, J. Dispersion formula for elastic scattering by a central potential, 21:23550
  - Elastic scattering and the K-matrix. I, 24:49944
  - Perturbation of resonance states and energy shift in mirror nuclei, 21:23547
  - Relation between total and partial widths in nuclear reactions, 21:5591
  - S-matrix theory of nuclear resonance reactions, 22:9942
  - Threshold and penetration factors in the parametrization of resonances, 22:27349
- HUMBLET, L. Determination of nitrous acid in purex process solutions. I, 23:2179 (NP-17554)
  - In-line measurements by colorimetry. I, 23:2182 (NP-17641)
  - Rapid and simple method for the determination of tributyl phosphate in kerosene solutions, 23:24065 (NP-17815)
- HUME, A. RESAP: program for least squares analysis of γ spectra involving intermixed standard samples, 24:19228 (CTC-25)
- HUME, Alfred SADS program: statistical analysis of data subsets, 23:52504 (CTC-19)
  - Three-dimensional plotting package for IBM/7090, 24:22526 (CTC-31)
- HUME, C. J. Energy loss of cosmic ray muons in range 5 to 40 GeV/c, 25:49770
- HUME, David M. Hazard in clinical renal transplantation. III, 24:906
  - Hazard in clinical renal transplantation. II, 24:29719
  - Hazard in clinical renal transplantation. I, 24:29718
  - Inhibition of effector mechanism of transplant immunity, 23:33661
  - Inhibition of the afferent arc of the immune response to renal homografts by local graft radiation, 21:18172
  - Prog. rpt. on transplantation immunity, 7/69—6/70, 24:48438 (TID-25490)
  - Prolongation of renal homograft survival by indwelling beta irradiation, 21:13019
  - Prolongation of renal homograft survival by inhibition of the afferent arc of the immune response, 21:13053
  - Radioinduced transplantation immunity in man and dogs, 21:30909
  - Transplant immunity in animals with lymphocytopenia induced by indwelling beta irradiation, 21:1817
- HUME, David N. Determination of barium and strontium in sea water, 22:4009
  - Polarographic theory, instrumentation, and methodology, 22:25312
  - Reaction of thorium chloranilate with fluoride, 22:18726
- HUME, Roxane Light-absorption characteristics of tumor tissue at ruby and neodymium laser energy wavelengths, 22:4617
- HUMEAU, Claude Description of a multimode gamma spectrometer, 23:22055 (CEA-R-3747)
- HUMEAU, Henri Process for the purification of industrial solutions of hafnium and zirconium salt, 22:37871
  - Process of extraction of hafnium, 22:8204
- HUMENIK, M. Jr. Dispersion strengthened ceramics, 22:2675
  - Dispersion-strengthened aluminum oxide, 21:524
  - Dispersion-strengthened ceramics, 21:31092
  - High strength tungsten carbides, 25:55631
  - Sintering in the presence of a liquid phase, 22:31386
- HUME-ROTHERY, W. Constitution of niobium—cobalt alloys, 21:20528
  - Equilibrium diagram of the iron—molybdenum system, 22:2658
  - Equilibrium diagram of the system niobium—nickel, 21:3520
  - Equilibrium in Ti and Zr alloys, 22:52201
  - Iron—tantalium system, 21:45945
  - Iron—tungsten system, 22:15213
  - Structure of metals and alloys, 23:36138
- HUMES, R. M. Absorbed fractions for small volumes containing photon-emitting radioactivity, 25:26752
  - Energy dependence of (p,p'γ) correlations in ^{48}Ti, 22:9832
  - Fast reactor experiments in PCTR and HTLTR, 22:14255 (BNWL-CC-886)
- HUMHAL, E. Nucleon—nucleon potential for isotopic triplet state, 24:20445
  - Nucleon—nucleon potential with a soft core, 25:7914
- HUMI, Mayer Finite-component wave equations, 24:12967
  - Gauge invariance and generalized Bondi—Metzner algebra, 25:47921
  - Wave equations for unstable particles, 24:40430
- HUMMEL, A. Lifetime of charged species in irradiated dielectric liquids, 23:9434
  - Scavenging of ions in irradiated liquids, 22:27801
  - Slow electrons and negative ions in organic liquids, 25:2260 (IRI-133-70-2)
  - Structure of track of high-energy electron in a liquid, 25:22585
- HUMMEL, Andries Ionization of liquids by radiation. III, 21:17677
- HUMMEL, D. O. Copolymers of vinyl halides with olefins. I, 22:42743
  - Quantitative infrared-spectroscopic investigation of the temperature dependence of the CCl stretching vibrations of polyvinyl chloride; 22:27790
  - Radiation—chemical copolymerization of styrene with vinyl chloride. II, 23:40755
  - Radiation—chemical copolymerization of styrene with vinyl chloride. I, 23:40756
  - Radiation-induced polymerization, 24:7479
  - Radiation-initiated copolymerization, 24:13920
  - Radiation-initiated copolymerization of vinyl chloride. I, 24:31406
  - Radiation-initiated copolymerization of vinyl chloride. II, 24:31407
  - Study for a radiation chemistry research centre, 22:18814
  - Trends in radiation polymerization, 23:9428
- HUMMEL, Dieter Radiation-chemical preparation of polysulfone at various temperatures, 22:4193
- HUMMEL, Dieter O. Half-life measurements in emulsion polymerization, 23:31367
- HUMMEL, F. A. Linear thermal expansion of three tungstates, 22:28930
  - Solid solutions in the system $SrTiO_3$—$(La_2O_3{:}3TiO_2)$, 21:26917
  - Subsolidus equilibria in the system ZrO_2—WO_3—P_2O_5, 24:19517
  - Subsolidus relations in the system ZrO_2—ThO_2—P_2O_5, 25:55638
  - System ThO_2—P_2O_5, 25:40127
- HUMMEL, Frederick S. Nuclear reactor fueling machine, 21:8010
  - Nuclear reactor fueling machine, 21:8009
- HUMMEL, H. H. Comparative physics analysis of fast reactors, 23:47298 (CNM-R-2(Vol.2), pp 612-50)
  - Recent theoretical work in the United States on fast reactor physics, 22:18601
- HUMMEL, Harry H. Reactivity coefficients in large fast power reactors, 24:38496
- HUMMEL, J. P. Photonuclear reactions above the giant resonance, 25:5679
- HUMMEL, John P. Cross sections for the $^{16}O(\gamma,2n)$, $^{19}F(\gamma,2pn)$, $^{27}Al(\gamma,2pn)$, $^{51}V(\gamma,\alpha)$, and $^{51}V(\gamma,\alpha 3n)$ reactions to 300 MeV, 23:8944
  - Reactions $^{51}V\ (\gamma,\alpha)$ and $^{51}V\ (\gamma,\alpha 3n)$ to 300 MeV, 23:23620 (AD-674879)
- HUMMEL, R. E. Effect of neutron irradiation on martensitic transformation in β_1 copper—zinc, 23:7033
  - Influence of neutron irradiation, heat treatment and deformation on transformations in metastable β_1 -brass, 22:34066 (ORO-3395-5)
  - Influence of neutron irradiation, heat treatment, and deformation on martensitic transformations in metastable β-brass, 22:52218
  - Thermal cycling of neutron irradiated β_1 brass, 23:44502
- HUMMEL, R. W. Effects of scavengers on radiolytic formation of buta-1,3-diene from trans-but-2-ene in dilute gaseous mixtures, 23:6150
  - Formation of ethane, ethylene, and acetylene from methane on radiolysis with high-intensity electron pulses, 25:31981
  - Initial yield of ethylene from the radiolysis of methane, 25:23629
  - Ionic processes in the radiolysis of nitrous oxide, 24:223

  - Irradiation of carbon dioxide containing small amounts of methane, 23:28869 (AERE-R-6040)
  - Irradiation of CO_2 containing small amounts of H_2. Formation of CH_4, 21:93 (AERE-R-5286)
  - Methylene formation in radiolysis of methane, 24:29344
  - Promotion by SF_6 of radiolytically induced chain reaction for geometrical isomerisation of cis- or trans-butene-2 in dilute gaseous mixtures, 22:33473
  - Radiolytic oxidation of methane, 21:23981
- HUMMEL, Richard Ultraviolet spectrometry, 22:25299
  - Ultraviolet spectrometry, 24:26958
- HUMMER, D. G. Electron impact excitation of positive ions, 24:26012
  - Formation of spectral lines, 25:47326
  - Ionization structure of planetary nebulae. VI, 22:17305
  - Line formation with non-coherent electron scattering in O and B stars, 22:807
  - Model atmospheres for central stars of planetary nebulae, 24:25841
  - Non-LTE theory of overlapping lines near the series limit, 23:5110
  - Noncoherent scattering. IV, 23:10337
  - Radiative transfer in spherically symmetric systems. II, 25:58510
  - Redshifted line profiles from differentially expanding atmospheres, 22:43841
  - Spectral line formation by noncoherent scattering with a dipole phase function, 24:12525
  - Spectral line formation in variable-property media: Riccati method, 22:4979
- HUMMER, Goerge J. Radiation area safety interlock system for a 3-MeV accelerator, 25:53438
- HUMMON, Irvin F. Hazards of radiation in obstetrics and gynecology, 23:22345
  - Postoperative treatment of carcinoma of the breast with telecesium, 24:34535
- HUMPERT, B. Model for two-pion production in the diffraction approach, 25:30863
  - Nonstrong amplitudes in a Veneziano-type model, 25:3342
  - Off-shell single-current amplitude in the Veneziano approach, 25:9725
- HUMPHERY, Timothy J. Chemical testing of occult blood in faeces, 23:45812
- HUMPHERYS, K. C. Megarad dose response of passive dosimetric materials, 23:14045 (EGG-1183-2166)
  - Nuclear accident dosimetry: depth-dose considerations, 23:16283 (EGG-1183-2165(Rev.))
  - Passive dosimetry methods used in radiation effects studies with fast burst reactors, 23:17804 (EGG-1183-2207)
- HUMPHREY, Beverley A. Strontium as a substituted structural element in cell walls of Rhizobium, 21:6457
- HUMPHREY, C. H. Autoionizing D states in He below the n = 2 level of He^+, 21:31235
- HUMPHREY, D. L. Levels in ^{11}B by the $^{10}B(d,p)^{11}B$ reaction, 25:3561 (CONF-700322-, pp 133-40)
- HUMPHREY, E. W. Effect of preoperative roentgen therapy upon the tensile strength of rectosigmoid anastomoses in dogs, 21:20275
- HUMPHREY, H. W. Field assay experience with the MONAL at National Lead Company of Ohio, 25:51769 (LA-DC-12296)
  - Quantitative alpha spectrometric determination of ^{233}U, 24:20715 (NLCO-1048)
  - Self-correcting inspection monitor for determining the ^{235}U level in reactor fuel cores, 22:30820 (NLCO-1011)
- HUMPHREY, J. H. Localization of antigen in lymph nodes and its relation to specific antibody-producing cells. II, 22:449
- HUMPHREY, J. S. Jr. Acidity of hydrocarbons. XXV. Secondary isotope effects in α-deuterium exchange of ring-deuterated toluenes, 21:35941
  - Environmental effects on track-etching rates in polycarbonate films, 24:41672
  - Hole detection in polymer films and in plastic track detectors, 23:17758
  - Studies of environmental effects upon track etching rates in charged particle-irradiated polycarbonate film, 25:44618
- HUMPHREY, J. W. Decay parameters and magnetic moment of the Ξ^-, 24:40281
- HUMPHREY, John William Weak decay parameters of the Ξ^- hyperon, 24:20081
- HUMPHREY, Joseph Stevenson Jr. Track registration process, 25:55010
- HUMPHREY, K. Reducing the cost of liquid scintillation counting of aqueous samples of tritium, 22:43059
- HUMPHREY, Norman B. Direction determining gamma-ray detector, 25:23841
- HUMPHREY, R. E. Determination of phase from the amplitude of a minimum-phase system, 21:44993 (SCL-DR-67-100)
  - Linear system pole—zero loci plots, 24:18844 (SCL-DR-70-15)
  - Technique for computing discrete Fourier transform of long time series, 23:40518 (SCL-DR-69-73)
- HUMPHREY, R. M. Chromosomal aberrations induced by tritiated thymidine, 22:25824
  - DNA-strand breaks and rejoining following exposure of hamster cells to radiation, 23:20132
  - Progression of mammalian cells through the division cycle following ultraviolet irradiation, 22:30988
  - Proliferation kinetics of mouse L-P59 cells irradiated with ultraviolet light, 24:14593
  - Recovery of Chinese hamster cells from uv irradiation damage, 24:51016
  - Response of mouse L-P59 cells to x-irradiation, 23:35854
  - Time-specific effect of uv-irradiation on cells progressing from G_2 into metaphase, 25:2558
- HUMPHREY, Ronald M. Prog. rpt. on radiation and biophysical studies of viruses and cells, annual, 11/65—11/66, 21:11140 (ORO-2832-48)
  - Radiation-induced chromosome damage, 23:48020
  - Subchromatid organization in marsupial chromosomes. I, 23:48025
- HUMPHREY, Sharon A. Basicities and H—D exchange of pyrazine N-oxides, 25:110
- HUMPHREYS, A. E. Thermal diffusion in some binary mixtures of the hydrogen isotopes, 21:3069
- HUMPHREYS, C. J. Radiation damage of polymers in the million volt electron microscope, 24:38975
- HUMPHREYS, D. L. O. Dosimetry after a radiation accident, 24:48569
- HUMPHREYS, E. Reactivity loss due to water absorbed in graphite reflector of URR, 23:43156
  - Spatially dependent noise measurements in a two zone reactor, 24:52971
  - Transfer function measurements in a two zone reactor, 24:4094
- HUMPHREYS, E. R. Absorption by the rat of alginate labeled with ^{14}C, 22:49262
  - Degradation of Na alginate by γ-irradiation and by oxidative-reductive depolymerization, 25:29159
  - Effect of alginate on the absorption of lead in man, 24:34068
  - Inhibition by alginates of strontium absorption studies in vivo and in vitro, 22:30975
  - Reduction in absorption of strontium by alginate, 23:17928
- HUMPHREYS, J. C. Response of silicon transmission detectors to monoenergetic electrons, 22:40403
  - Silicon detector measurements of energy deposition in aluminum by monoenergetic electrons, 25:22574
  - Tables of response functions for silicon electron detectors, 24:27350 (NBS-TN-489)
- HUMPHREYS, J. E. X-ray examination of some rare-earth-containing binary alloy systems, 21:4973
- HUMPHREYS, J. R. Selected data and discussion of the plugging indicator for sodium loops, 24:46386 (ANL-7658)
- HUMPHREYS, J. Ross Jr. Behavior and calibration of devices for monitoring impurities in sodium, 25:55069 (ANL-7804)
- HUMPHREYS, J. T. Interactions π^+n at 3.29 GeV/c: four- and five-pion events, 22:41749
- HUMPHREYS, J. W. Jr. Protection of astronauts against ionizing radiations, 24:21188
- HUMPHREYS, Kent C. Manual of radiation dosimetry experiments, 21:330 (AD-631318)
- HUMPHREYS, Roberta M. High luminosity G supergiants, 25:40217
  - Near-infrared spectrum of VY Canis Majoris, 25:4908
  - New Ap stars in NGC 3114, 25:11578
  - New composite spectrum of VV Cephei type, 23:48632
  - Recent spectrogram of AG Carinae, 25:4909
  - Space distribution and kinematics of supergiants, 24:34999
  - Streaming motions in Carina—Centaurus region, 25:13928
  - Supergiants in stellar associations and galactic clusters, 24:44854
- HUMPHREYS, Roberta Marie Space distribution and kinematics of supergiant stars, 24:34988
- HUMPHREYS, Roberta W. M supergiants in the perseus arm, 24:35119
- HUMPHREYS, Russ Wide-range multi-input pulse height recording system, 21:34532
- HUMPHREYS, T. E. Effect of uranyl nitrate on sucrose production and storage in corn scutellum slices, 25:4720
- HUMPHREYS, W. G. Amino acid radicals produced chemically in aqueous solutions, 22:2147
- HUMPHRIES, J. O. Digital mass spectrographic plate reader, 22:28205 (GEPP-32)
- HUMPHRIES, J. W. Tests on P.T.F.E. valve seats, 24:39731 (DP-Report-78)
- HUMPHRIES, Jack Thomas Model reference adaptive control of a nuclear rocket engine, 21:16050
- HUMPHRIES, John R. Jr. Control rod and drive mechanism therefor, 23:43212
  - Irradiation apparatus, 22:39888
- HUMPHRIES, P. W. E. Irradiation effects on oxidation of stainless steels, 22:4842
- HUMPHRIES, R. S. Versatile multiple cathode sputtering fixture, 21:6991
- HUMPHRIES, S. Substoichiometric determination of traces of Pd by neutron-activation analysis, 24:36184
  - Substoichiometric determination of traces of palladium by radioactive isotope-dilution analysis, 25:28981
  - Trapping experiments in the Astron, 25:38491 (CONF-710607-10)
- HUMPHRIES, William T. Design considerations of reactor containment spray systems, 23:43134 (ORNL-TM-2412(Pt.2))
  - Distribution of iodine between air and aqueous solutions, 22:32797
- HUMPHRIS, R. R. Momentum transfer to surfaces by N_2 molecules in the 10 to 200 ev range, 21:630
- HUMPREYS, J. C. Response of Si detectors to monoenergetic electrons between 0.15 and 5.0 MeV, 23:21953
- HUMSKI, K. β-deuterium isotope effect in solvolysis of 1,2-dimethyl-exo-2-norbornyl p-nitrobenzoate, 25:18413
  - Secondary deuterium isotope effects in the cope rearrangement, 23:35115
  - Thermodynamic secondary deuterium isotope effect in the thermal rearrangement of biallyl, 23:28848
- HUMSKI, Kresimir γ-deuterium isotope effects in norbornyl systems, 23:37949
  - Thermodynamic and kinetic secondary isotope effects in the Cope rearrangement, 25:2188
- HUNAERTS, J. C_2 Ballik—Ramsay bands in late C stars, 21:37050
- HUNDAL, Mahendra S. Prog. rpt. on mathematical analysis of thermal pollution of lakes and estuaries, 2/71, 25:34391 (NYO-4217-1)
- HUNDEIKER, M. Mycosis fungoides following application of Thorotrast, 23:5040
- HUNDERE, I. New method for the alpha activity specification analysis of uranium final products, 23:24103 (NP-17816)
  - Separation of impurities from plutonium by extraction chromatography, 23:2180 (NP-17617)
- HUNDESHAGEN, H. Comparative pyelographic and nephroscintigraphic examinations of high-pressure patients, 24:14554
  - Comparative studies of collimator performance of two scintigraphical appliances by "line spread function" measurements, 22:33840
  - Determination of central circulation parameters and peripheral blood flow by simultaneous application of ^{133}Xe and ^{131}I-labeled RISA, 25:11123
  - Determination of coronary blood flow with radioactive indicators as measured by external counting, 25:10911
  - Determination of lung circulation with the dynapix rapid scanner in pulmonary restrictions, 25:11131
  - Implications of renal scintigraphy, 25:24242
  - Metabolism of radioactive cyclophosphamide, 21:26343
  - Quantitative distribution of radioisotopes, 25:6722
  - Simultaneous function diagnostics with radionuclides, 22:38393
- HUNDHAUSEN, A. General characteristics and filamentary structure of solar wind, 21:24974 (LA-DC-8497)
- HUNDHAUSEN, A. J. Compilation of Vela 3 solar wind observations, 1965—67, 25:33114 (LA-4536(Vol.1))
  - Composition and dynamics of the solar wind plasma, 25:9107
  - Correlated magnetic field and plasma observations of Earth's bow shock, 22:13335
  - Direct observations of solar-wind particles, 23:25095
  - Discontinuities in the solar wind associated with sudden geomagnetic impulses and storm commencements, 21:31331
  - Effects of solar flare duration on a double shock pair at 1 AU, 24:6321
  - Flare-generated disturbances in solar wind, 23:30264
  - Heat conduction and nonsteady phenomena in the solar wind, 25:27628
  - Helium in the solar wind, 24:17552
  - Interplanetary neutral hydrogen and the radius of the heliosphere, 22:41262
  - Interpretation of positive ion measurements, 23:39196
  - Ionization state of the interplanetary plasma, 22:47745
  - Large-scale characteristics of flare-associated solar-wind disturbances, 24:47143
  - Measurements of interplanetary solar wind during the large geomagnetic storm of April 17—18, 1965, 21:23103
  - Nonthermal heating in quiet solar wind, 24:4959
  - Observation of the Feb. 26, 1969 interplanetary shock wave, 25:27570
  - Observations of solar wind plasma changes across the bow shock, 21:23118
  - Observations of the interplanetary medium: Vela 3 and Imp 3, 1965—1967, 25:55780
  - Plasma flow pattern in Earth's magnetosheath, 23:30422
  - Plasma measurements across the bow shock and in the magnetosheath, 25:27537
  - Satellite observations of interplanetary shock waves, 22:13334
  - Satellite observations of solar wind ions, 21:11522
  - Shock waves in the solar wind, 24:42467
  - Solar flare induced interplanetary shock, 24:10268
  - Solar wind and magnetosheath observations during the January 13—14, 1967, geomagnetic storm, 22:47981
  - Solar wind electrons: Vela 4 measurements, 22:41266
  - Solar wind ion composition, 22:17340
  - Solar wind ions, 25:7256
  - Solar wind properties and the state of the magnetosphere, 25:5024
  - Solar wind properties and the state of the magnetosphere, 25:24963
  - Solar wind thermal anisotropies: Vela 3 and IMP 3, 22:2938
  - Solar-wind disturbances associated with solar activity, 25:27534
  - Solar-wind proton properties, 24:47142
  - State of ionization of oxygen in the solar wind, 22:29126
  - Two-dimensional simulation of flare-associated disturbances in the solar wind, 25:27629
  - Variations of solar-wind plasma properties, 25:47389
  - Vela satellite observations of solar wind ions, 21:23117
- HUNDHAUSEN, E. Chilled collimator for high intensity molecular beams, 21:14976
- HUNDHAUSEN, Joan H. Inequality relationships concerning power sums and elementary symmetric functions, 23:34957 (LA-4051)
- HUNDHAUSEN, Joan R. A generating operator for solutions of certain partial difference and differential equations, 25:37188 (LA-4655)
  - Application of permutation cycles to storage management, 24:20666 (LA-4359)
- HUNDING, Axel Inelastic transition probabilities of collinear collision of particle with Morse oscillator, 24:47023
- HUNDT, D. Fuel-cycle costs for medium-size light-water reactors, 24:28913
  - Further development of light-water reactors in europe, 21:34121
- HUNDT, Dieter Design, civil engineering, and consulting services for nuclear power plants, 21:23635
- HUNDT, Gerhardt Fritz Use of radioisotopes in biological studies, 21:20021 (CMN-Pub-2/66)
- HUNEAU, Rene Shaft furnace for the burning of graphite, 22:27732
- HUNEKE, J. C. Ages, irradiation history, and chemical composition of lunar rocks, 24:21519
  - Correlation between fission tracts and fission-type xenon from an extinct radioactivity, 23:34127
  - Fission type Xe in meteoritic Whitlockite, 23:41768
  - Isotopic composition of xenon and krypton in the lunar soil and in the solar wind, 25:24836
  - Nuclear chronologies for the Galaxy, 23:41884

- HUNERWADEL, Jean L. Radioisotope excited x-ray fluorescence techniques in criminalistics and national security, 24:20951 (ORO-3561-2)
- HUNERWADEL, Jean Luc Design, development, and construction of nonmagnetic sensors for magnetic field-charged particle correlation studies, 23:38295 (AD-681454)
- HUNG, E. K. L. Deviation of observed muon direction from primary direction due to geomagnetic field, 22:9123
  - One-channel N/D calculation of πN partial waves, 24:18218
- HUNG, Kuen-shan Uptake of lipid, protein, inert material, and viruses by suckling mice, 24:25385
- HUNG, Por Tying Chromosomal aberrations following ocular irradiation, 22:40855
- HUNG, R. J. Double scattering of the plasma streams in a bi-thermal ionosphere, 22:43994
  - Drift instabilities in a high-β collisionless plasma, 25:47572
  - Oscillations of electrostatically trapped particles, 24:17840
- HUNG, Ru-Jane Collisionless shock wave in a plasma, 21:33434
  - Dynamics of the outer magnetosphere, 25:17038
- HUNG, Tsu-chang Gamma-radiolysis of aqueous benzene solution, 22:23072
  - Photochemical and radiation-induced reduction of nitrate ion in pure and sea waters, 22:23078
  - Post-oxidation on radiolysis of alcoholic ferrous sulfate solution, 21:10389
  - Radiolysis of methanol and its solutions, 24:38973
- HUNG, Tsu-pei Myelopathy following radiotherapy of nasopharyngeal carcinoma, 23:48173
- HUNGATE, F. P. Evaporative cooling of heated irrigation water by sprinkler applications, 24:14042 (BNWL-1051(Pt.1), pp 78-82)
- HUNGATE, Frank P. Conference on radioecological concentration processes, Stockholm, 4/66, 21:36618
- HUNGER, K. Atmosphere of the H-deficient star sigma Orionis E, 24:15010
  - Collective fraction in plasma microfields, 23:5420
- HUNGER, Kurt Atmosphere of the He—C star BD + 10°2179, 23:44048
  - Carbon content of the He star BD + 10°2179, 22:26140
  - Pure helium model stellar atmosphere, 21:24877
- HUNGER, M. Mechanism of contact elimination. XXI, 23:6096
- HUNGERBUEHLER, V. High resolution wire spark chamber, 25:13301
- HUNGERFORD, David A. Etiology of leukemia, 21:11055
- HUNGERFORD, E. V. Charge-symmetry study with reactions ^{2}H(t,tau)nn and ^{2}H(tau,t)pp, 25:36662
  - Nucleon—nucleon scattering parameters, 24:40552
  - Proton—proton final-state interactions in the reactions^{3}He(d,t)2p, d(^{3}He,t)2p, p(^{3}He,d)2p, and ^{3}He(^{3}He,^{4}He)2p, 22:29901
  - Some considerations on using the comparison procedure to extract two-nucleon scattering parameters from final-state interactions, 25:34193
  - Transverse polarization in the beta decay of ^{170}Tm, 21:10034
- HUNGERFORD, H. E. Attenuation of neutrons by air ducts in shields, 23:30607
  - Design and construction of power reactor shields, 23:15628
  - Neutron spectral measurements in water and behind iron slabs near the PUR-I reactor, 24:31730
  - Numerical treatment of the attenuation of neutrons by air ducts in shields, 22:31910
  - Problems in the design and construction of fast reactor shields, 23:4200
  - Prog. rpt. on government owned property at Purdue University, annual, 6/23/66—6/23/67, 21:47006 (COO-1543-1)
  - Radiation shield system for Enrico Fermi Atomic Power Plant, 21:44818 (APDA-203)
  - Stochastic gamma-ray transport and its application to shielding calculations, 24:6592
  - Three-dimensional stochastic gamma-ray transport method for shielding calculations, 25:56273
- HUNGERFORD III, E. V. Investigation of reaction ^{4}He(^{4}He,^{4}He)^{4}He* at 64 MeV, 23:30925
  - Reaction ^{2}H(p,pn)p, 25:17691
- HUNG LAM THANH Method for preparing molecules labeled with tritium, 25:54693
- HUNGTINGTON, H. B. Anisotropy in electromigration, 25:38577 (RPI-1044-23)
- HUNIN, C. In-core fuel management in PWR plants, 25:53892 (A/CONF.49/P-278)
- HUNKAR, D. E. Digital ratemeter system for rectilinear scanning, 24:50570
- HUNKAR, Denes B. Direct radiation effects on thermocouples, 22:4841
- HUNKELER, Francis Prog. rpt. on dispersion strengthening of metals, 9/65-2/66, 21:13258 (N-66-26662)
- HUNKINS, Kenneth Natural radiocarbon and fission products in Arctic Ocean water, 22:42892 (CU-2663-9, App.B)
- HUNKLINGER, S. Influence of impurities on laser induced breakdown in liquid ^{4}He, 25:36014
- HUNLEY, William H. Underwater remote handling systems, 23:2478
- HUNLICH, W. Pressure-proof completely enclosed reactor containment structure, 22:18643
- HUNN, Bruce D. Radiation and nonequilibrium effects on heat transfer from a plasma in tube flow, 24:7578 (SU-247-15)
- HUNN, J. B. In vivo uptake of radioiodide by rainbow trout, 21:24316
- HUNSPERGER, R. G. Electrical properties of Cd, Zn, and S ion-implanted layers in GaAs, 25:19842
  - Lattice disorder produced in GaAs by 60-keV ions, 25:1290
  - Measurement of lattice damage caused by ion-implantation doping of semiconductors, 25:56287
- HUNSPERGER, Robert G. Anneal behavior of defects in ion-implanted GaAs diodes, 24:21874
- HUNSTEAD, R. W. Optical identification of southern radio sources, 25:55725
  - Radio sources near 2 f.u. at 408 MHz, 24:42388
- HUNSTEIN, W. Histologic bone marrow findings in polycythemia vera before and after ^{32}P therapy, 23:50905
  - Life span and tumor incidence in rats subjected to severe stress before whole body x-irradiation, 25:42669
  - Radiation (^{90}Sr) induced pulmonary carcinoma in rats, 25:26921 (LF-tr-49)
- HUNSUCKER, R. D. Electron number densities in auroral irregularities: comparison of backscatter and satellite data, 21:13444
  - Large traveling ionospheric disturbances observed at midlatitudes utilizing the high-resolution hf backscatter technique, 21:43907
- HUNSUCKER, Robert D. Characteristic signatures of midlatitude ionosphere, 25:35955
- HUNT, A. L. Collisionless damping of unstable waves in a mirror-confined plasma, 24:19919
- HUNT, A. P. Absorption model and U(6,6) for photoproduction, 24:1540
  - Double peripheral model and reaction $k^{-}p \rightarrow K^{*-}\pi^{+}n$ at 6 and 10 GeV/c, 23:42677
  - Nonpolynomial Lagrangians with derivative interactions, 25:25497
  - Superpropagator for gravitons, 25:7738
  - $U_{6,6}$ peripheral absorption model for production processes, 23:34579
- HUNT, Angus L. Cross beam neutralizer for ion beams, 25:55816
  - Hydrogen adsorption and condensation in a helium cryopump, 21:32359 (UCRL-14291)
- HUNT, B. G. Cluster ions and nitric oxide in D region, 25:49814
- HUNT, B. R. Computational considerations in digital image enhancement, 25:54368 (LA-DC-12840)
  - Introduction to restoration and enhancement of radiographic images, 24:33583 (LA-4305)
  - Statistical aspects of deconvolution, 25:10351 (LA-4556)
  - Technique for using fast Fourier transform to solve convolution-type integral equations, 25:2007 (LA-4515)
- HUNT, Barrie G. Experiments with stratospheric general circulation model. II, 23:4753
- HUNT, C. Operational data for charge I, 25:3795 (DP-Report-561)
- HUNT, C. A. Neutron radiography with 5.5-MeV linear accelerator, 24:25234
- HUNT, C. E. L. Continuous cooling transformation behaviour of zirconium—niobium—oxygen alloys, 25:13679
  - Effect of O on equilibrium $\beta/\alpha + \beta$ transformation temperature of Zr—Nb alloys, 24:42141
  - In-reactor creep of cold-worked Zircaloy-2 and Zr-2.5 wt percent Nb pressure tubes, 22:28859
- HUNT, Carolyn R. ISOP: a three-dimensional isometric plotting subroutine, 25:3987 (UCRL-14248(Rev.1))
- HUNT, Coy R. NbZn—A μ-phase, 22:38578
- HUNT, Coy R. Jr. Alloy chemistry of sigma(βU)-related phases. I, 22:49766
- HUNT, D. C. Collision probability calculations of multiplication factors for lattices, 23:19569 (CONF-680909-, pp 28-9)
  - Collision probability criticality calculations, 24:36090
  - Collision probability multiplication factor calculations, 23:37725
  - Criticality analysis of enriched uranium metal spheres undergoing dissolution, 25:39683
  - Criticality calculations and measurements on enriched uranium metal-solution combinations, 25:6100
  - Criticality calculations on uranium metal-solution combinations, 24:31667
  - Criticality measurements on uranium metal solution combinations, 24:31666
  - Enriched uranium metal criticality calculations, 25:54259
  - Plutonium metal criticality measurements, 24:7196
  - Plutonium metal criticality measurements, 25:57718
  - Restricted release of plutonium, 21:8802 (RFP-799)
  - Restricted release of plutonium, 24:7308
  - Restricted release of plutonium. Part 2. Theory, 25:26782
  - Restricted release of plutonium: Part 1. Observational data, 25:26781
- HUNT, D. J. Determination of debye temperatures from x-ray data and their use in calculating thermodynamic properties, 22:7952 (MLM-1396)
- HUNT, D. L. Effect of delayed bubble growth on the depressurisation of vessels containing high temperature water, 25:18153 (AHSB(S)R-189)
- HUNT, Dale E. Biologic activity of daunomycin in microbial systems, 25:27100
- HUNT, Dorothy M. Fertilization and early development after radiocobalt irradiation of rabbit oocytes and sperm, 21:22736
- HUNT, Douglas C. Collision probability calculations of multiplication factors for lattices, 23:13575 (RFP-1186)
  - Collision probability calculations of multiplication factors for lattices, 25:60230
  - Collision probability criticality calculations, 23:28602 (RFP-1134)
  - Effects of energy self-shielding in reflected and moderated uranium metal critical mass calculations, 24:9164 (RFP-1327)
  - Effects of spatial resolution on critical mass calculations, 22:37282 (RFP-1133)
  - Enriched-uranium-metal criticality calculations, 24:7197
  - Plutonium handling safety analysis of Rocky Flats nuclear safety facility, 22:2273 (RFP-977)
  - Possibility of hazardous environmental plutonium releases, 25:37790 (RFP-1543)
- HUNT, E. L. Conditioning through radiation-induced humoral factor, 23:31921
- HUNT, E. R. Nuclear relaxation in solid ^{3}He at low temperatures, 22:1303
  - Spin diffusion in solid ^{3}He, 21:39950
- HUNT, Edward L. Application of Premack's theory of a classically conditioned sucrose aversion induced by x-ray exposure, 22:10858
  - Application of Premack's theory to classically conditioned sucrose aversion induced by x-ray exposure, 21:16431 (USNRDL-TR-67-2)
  - Effects of dose and of partial-body exposure on conditioning through a radiation-induced humoral factor, 22:4665 (USNRDL-TR-67-95)
  - Prompt reactions of the rabbit to x rays, 23:38765 (AD-686649)
- HUNT, F. R. Power station site selection in England and Wales, 24:45907 (CONF-700810-18)
- HUNT, G. C. Changing periodicities in the pulsars, 23:10369
  - Linear increase in periodicity of thirteen pulsars, 24:10254
  - Rate of change of period of the pulsars, 25:47240
- HUNT, G. E. Isotropic scattering of radiation in a finite homogeneous two-dimensional atmosphere, 21:15248
  - Radiative transfer problems in planetary atmospheres, 23:12515
  - Some recent developments in computational radiative transfer, 25:33387 (CONF-710107-, pp 578-91)
- HUNT, G. J. Experimental tests with the time-of-flight method on a neutron detector with flat energy response, 25:51880 (CONF-701002-, pp 401-9)
  - Neutron detector with a flat energy response for use in time-of-flight experiments, 25:13215
  - Preliminary measurements of relative ^{6}Li(n,α) cross section, 25:53593 (CONF-701002-, pp 121-4)
- HUNT, G. P. Comments on evidence of a quark in a high-energy cosmic-ray bubble-chamber picture, 24:42861
- HUNT, J. Forward elastic scattering of electrons by helium, 25:52648
  - Negative ions and shape resonances, 24:45054
- HUNT, J. B. Excitation of isobaric analogue states in (p,n) reactions at 30 and 50 MeV and the isospin dependence of the optical model, 22:46734
  - Kinetics and oxygen isotopic fractionation in reactions of isomeric chloroaquotetraamminechromium(III) ions with chromium(II), 22:37733
  - Measurement of the manganese activation resonance integral using the manganese bath technique, 23:42879
  - Medium energy neutron time-of-flight spectrometer. II, 24:48308
  - Medium energy neutron time-of-flight spectrometer. I, 24:48307
  - Thermal neutron radiative capture cross section of ^{234}U, 24:18432
- HUNT, J. C. R. Electrically driven flows in magnetohydrodynamics. II, 22:50078
  - Electrically driven flows in magnetohydrodynamics. III, 23:51427
  - Magnetohydrodynamic flow in channels of variable cross section with strong transverse magnetic fields, 21:24965
  - Magnetohydrodynamics at high Hartmann number, 25:43197
  - Magnetohydrodynamics at high Hartmann number, 25:55921
  - MHD flow in an annular channel, 25:52710
  - Some electrically driven flows in MHD. I, 22:19847
  - Three-dimensional MHD duct flows with strong transverse magnetic fields. I, 22:50079
  - Three-dimensional MHD duct flows with strong transverse magnetic fields. II, 25:33109
  - Uniqueness theorem for magnetohydrodynamic duct flows, 23:12622
- HUNT, J. G. Fabrication and properties of seamless tungsten tubing, 21:9110
- HUNT, J. H. Simple ionization measuring device for bubble chamber pictures, 25:57825 (RPP/H-81)
- HUNT, J. M. Stable isotope ratios of dissolved inorganic carbon in the Atlantic, 23:26461
- HUNT, J. P. Structure of nickel(II)-EDTA complexes in aqueous solution determined by ^{17}O NMR, 24:48019 (RLO-2221-T-4-2)
- HUNT, J. W. Design and performance of a pulse radiolysis system capable of picosecond time resolution, 24:16926
  - Factors affecting the rate of hydrated electron attach on polynucleotides, 25:55131
  - Photodimerization of pyrimidine nucleic acid derivatives in aqueous solution and the effect of oxygen, 21:30782
  - Picosecond pulse radiolysis studies. I, 25:6374
  - Picosecond pulse radiolysis studies. II, 25:6376
  - Pulse radiolysis studies of reactions of primary species in H_2O, 23:47531
  - Pulse radiolysis studies of uracil and its derivatives, 24:16581
  - Pulse—radiolysis system for the observation of short-lived transients, 23:299
  - Radiation damage to crystalline ribonuclease, 22:25767
  - Radiation damage to crystalline ribonuclease, 22:30990
  - Screening technique for the isolation of bacterial mutants sensitive to ionizing radiation, 22:28428
- HUNT, James G. Fabrication of tungsten and tungsten—25 percent—rhenium tubing, 21:11202
  - Prog. rpt. on optimum parameters of hot extrusions, 5/3/66, 21:3532 (N-66-29910)
- HUNT, John Henry Quark scattering in relation to the boot-strap method, 24:18154
- HUNT, John P. Kinetics of water exchange in aquoamminecobalt(II), 24:31191 (RLO-2040-20)
  - Oxygen-17 nuclear magnetic resonance study of nickel(II)-ethylenediaminetetraacetate complexes in aqueous solution, 25:23466 (RLO-2221-T-4-5)
  - Water exchange between solvent and aquomanganese(II) and aquophenanthrolinemanganese(II) complexes, 24:33601 (RLO-2221-T-4-1)

- Water exchange kinetics in labile aquo and substituted aquo transition metal ions by means of ^{17}O NMR studies, 25:6248 (RLO-2221-T-4-3)
- HUNT, John W. Electron spin resonance spectra of free radicals in irradiated cyclohexanecarboxylic acid, 21:42980
  - Nonadiabatic effects in the internal rotation of CH_2COO^- in irradiated Zn acetate dihydrate, 25:6349
  - Pulse radiolysis studies using nanosecond electron pulses: observation of hydrated electrons, 21:45467
  - Pulse-radiolysis studies of the formation of triplet excited states in cyclohexane solutions of naphthalene and anthracene, 21:28033
- HUNT, L. D. Fast-closing valve to protect an accelerator from radioactive contamination, 25:1690
- HUNT, Lee Philip Neutron activation analysis of trace rare earths in holmium oxide, 21:30346 (IS-T-120)
- HUNT, Nileen Gamma-ray slant penetration probabilities for finite slabs, 22:31890
- HUNT, P. D. High—temperature thermodynamic properties of hypo- and hyper-stoichiometric uranium carbides, 25:40118
  - High-temperature thermodynamic properties of oxygen-deficient urania, 23:7520
  - Total pressure of U-bearing species, 24:14924
- HUNT, P. S. Design criteria for the steam generator of the 330-MW(e) high temperature gas-cooled reactor plant of the Public Service Co. of Colorado, 24:9549 (GA-9342)
- HUNT, Paul S. Acoustical fatigue life study in components of nuclear reactors, 21:38766
- HUNT, R. Magnetic tape store, 22:14844 (AERE-R-5008)
- HUNT, R. H. Pressure-broadened linewidths in electric-field-induced spectrum of H_2, 24:28082
- HUNT, R. M. Prog. rpt. on boron hydride studies, final, 10/66, 21:1332 (UCRL-13240)
- HUNT, R. W. Preshot geologic and engineering properties investigations, 23:43400 (PNE-322)
  - Project PRE-SCHOONER, geologic and engineering properties investigations, 21:36184 (PNE-505-F)
- HUNT, Richard W. Preshot geologic and engineering properties investigation: Project Pre-Schooner II, 22:14601 (PNE-509)
  - Preshot geological engineering investigations for project CABRIOLET, Pahute Mesa, Nevada test site, 22:51125 (PNE-966)
- HUNT, Robert H. Linewidths of HCl broadening by H_2, D_2, and HCN, 25:6333
- HUNT, S. A. Preliminary analyses for FFTF heat transport control systems, 25:18169 (BNWL-1395)
- HUNT, S. E. Absolute determinations of activation cross sections for 14.7- and 14.8-MeV neutrons, 23:10980
  - Cross sections ^{63}Cu(n,2n)^{62}Cu and ^{27}Al(n,p)^{27}Mg, 24:33124
  - Importance of excitation functions in fast neutron flux measurement, 25:46075
- HUNT, T. K. Comment on damping of a heated oscillating cylinder in He II, 25:7329
  - Critical-current behavior in narrow thin-film superconductors, 21:2156
  - Fluctuations in narrow thin-film superconductors, 23:42179
  - Heat torques and circulation in superfluid helium, 22:31755
  - Particle motion and heat-exchange viscosity in superfluid helium, 22:26345
  - Quantum phase correlation in small superconductors, 21:18546
  - Quantum phase correlations and fluctuations in narrow thin-film superconductors, 23:14729
- HUNT, V. R. Distribution of ^{210}Po in mice following inhalation of tagged tobacco smoke, 21:28651
- HUNT, Vilma R. Autoradiographic studies of the distribution of ^{210}Po in mice after a single intravenous injection, 21:20077
  - Concentrations of α emitting isotopes in population, 24:48474
- HUNT, W. E. Atomic and molecular cross sections, 21:13348 (ORNL-4063, pp 71-87)
  - Relative abundances of ions formed as the result of inner-shell vacancies in atoms, 21:2037
  - Scattering of alpha particles by oxygen. I, 21:40383
  - Scattering of alpha particles by oxygen. II, 21:40384
- HUNT, W. L. Liquid scintillation counting and autoradiography for detecting tritium in spermatozoa, 21:32671
- HUNT, W. T. Bibliographic survey of corrosion, 1960, 25:35290
- HUNT, W. W. Jr. Mass discrimination in a time-of flight mass spectrometer. I, 23:4859
  - Secondary electron yield vs primary energy for commercial coated-glass resistance strips, 23:14094
- HUNT, William E. False aneursym of the vertebral artery: a complication of radon seed implantation, 21:16477
- HUNT, William H. Effects of Pauli principle on double Dalitz decay of pseudoscalar mesons, 24:37691
- HUNT, William J. Incorporation of quadratic convergence into open-shell self-consistent field equations, 24:45058
- HUNTEN, D. M. Altitude profile of the infrared atmospheric system of oxygen in the dayglow, 22:29332
  - Emission (N_2^+) in the twilight, 21:5203
  - Optical upper atmospheric investigations at Univ. of Saskatchewan, 21:46233
  - Production and diffusion of nitric oxide, 24:45103
  - Production and escape of H on Mars, 25:7122
- HUNTEN, Donald M. Hydrogen isotopes around the planets, 25:24835
  - Metastable $O_2(^1\Delta)$ as a major source of ions in the D region, 22:22046
  - Ratio of deuterium to H in Venus atmosphere, 23:22866
  - Spectroscopic studies of the twilight airglow, 21:23131
  - Surface albedo and filling-in of Fraunhofer lines in day sky, 24:19661
- HUNTER, A. J. Double-series approximation method in general relativity. I and II, 23:13133
- HUNTER, A. N. Faraday rotation and other measurements on the ionosphere at Nairobi, 21:9412
  - Faraday rotation of 136 MHz transmission from Canary Bird, 23:51469
  - Investigation of total electron content in equatorial anomaly of East Africa, 23:51470
  - Ionospheric research using satellites, 24:51493 (AD-707131)
  - Total electron content studies in equatorial regions, 24:45113
  - Variation of the magnetic horizontal component in eastern Africa, 21:13463
- HUNTER, Arthur N. Prog. rpt. on ionospheric research using satellites, annual, 10/67—10/68, 24:32715 (AD-689399)
- HUNTER, Brook L. Thermoelastic bowing of composite cylindrical fuel rods, 22:48776
- HUNTER, C. Disklike Riemann ellipsoids, 25:930
  - Dynamics of the bending of the galaxy, 23:20643
  - Fragmentation, 21:545 (NYO-3164-2, Lect. 10)
  - Question of interstellar silicate absorption, 24:23704
  - Rotation and angular momentum of galaxies, 25:7100
  - Short-wavelength oscillations of cold-disk galactic models, 23:39272
  - Spectra of small oscillations of thin disk galactic models, 23:44136
  - Stellar hydrodynamic equations for a thin disk galaxy, 24:23711
- HUNTER, C. E. Effect of methane, ammonia, and silicates on the 3.07-micron ice absorption in interstellar grains, 25:40290
- HUNTER, C. W. Defect study: pressure vessel CSE reactor vessel simulator, 25:48283 (BNWL-1554)
  - Fracture and tensile behavior of neutron-irradiated A533-B pressure vessel steel, 25:42901 (HEDL-TME-71-76)
  - Fracture and tensile behavior of neutron-irradiated A533-B pressure vessel steel, 25:55587
- HUNTER, D. B. Metastable beta sheet alloy Ti—8Mo—8V—2Fe—3Al. I, 22:4762 (AD-648244)
  - Screening and selection of candidate sheet alloys. II, 22:4763 (AD-648245)
- HUNTER, D. H. E1cB reactions. Stereochemistry and the counterion, 25:39496
  - Effect of cation on the stereochemistry of hydrogen—deuterium exchange, 23:155
  - Electrophilic substitution at saturated C. XXVIII, 21:8286
- HUNTER, D. O. Effects of cold-working, thermal aging, and reactor irradiation on ultrasonic waves velocity and attenuation in steel tensile-creep specimens, 24:32372 (BNWL-1371)
  - Effects on neutron irradiation, at thermal reactor temperatures, on the propagation velocity of ultrasonic waves in A533-B steel, 25:27268 (WHAN-FR-38)
  - Evaluation of an ultrasonic method for measuring reactor aluminum process tube wall thickness, 24:29078 (BNWL-CC-702)
  - Irradiation damage in steel, 24:10130
  - Ultrasonic nondestructive measurement of irradiation damage in steel, 23:26481 (BNWL-SA-2207)
  - Ultrasonic properties measurements on irradiated materials, 23:24957 (BNWL-SA-2206)
  - Ultrasonic properties measurements on irradiated structural materials, 24:406
  - Ultrasonic velocities and critical-angle-method changes in irradiated 304 stainless steel, 23:24402 (BNWL-1012)
  - Ultrasonic velocities and critical-angle-method changes in irradiated A302-B and A542-B steels, 23:26478 (BNWL-988)
- HUNTER, David Improvements in or relating to supervisory circuit arrangements, 22:53473
- HUNTER, David O. Ultrasonic method for nondestructively detecting radiation induced embrittlement in pressure vessel steels, 22:11005 (BNWL-SA-1467)
- HUNTER, Douglas Kent Study on nuclear polyhedrosis virus on beet armyworm, 23:6562
- HUNTER, Edwin T. Effects of neutron radiation on silicon transistors, 23:17865
- HUNTER, G. Born—Oppenheimer separation for three-particle systems. I, 21:3676
  - Born—Oppenheimer separation for three-particle systems. II, 21:18422
  - Born—Oppenheimer separation for three-particle systems. III, 21:18423
  - Relativistic theory of H_2^+, 23:20669
- HUNTER, G. H. Condensation coefficient of liquid helium II, 24:26133
- HUNTER, G. J. Catalog of 30-MeV gamma activation products. I, 22:6361 (AERE-R-5547)
- HUNTER, H. G. Safety analysis of isotopes alpha handling facility, 24:19187 (ORNL-TM-2845)
- HUNTER, H. H. Portable smoke photometer, 21:30737 (CONF-660904-Vol.1 and 2, pp 928-40)
- HUNTER, H. W. Energy-loss spectrum of extensive air showers recorded by Haverah Park 500 m array, 23:46595
- HUNTER, Henry M. Gas core reactor propulsion system, 23:2093
- HUNTER, I. C. Faraday rotation of F centers in alkaline earth fluorides, 21:42184
  - Faraday rotation studies of F centers in alkaline earth oxides, 22:52886
  - Magneto-optical properties of F centers in alkaline earth fluorides, 23:21006
- HUNTER, J. A. Condenser tube bundle configurations for 50-MGD and larger desalination plants, 22:23198 (TID-24347)
  - Deaerator ejectors and blowers for 50 MGD and larger desalination plants, 22:25224 (TID-24346)
  - Engineering developments in the OSW program, 22:42353
  - Large nuclear-power and water-desalination plants, 23:49617
  - Tests of deaerator at Freeport seawater desalting plant and evaluation of dissolved gas analysis, 22:27524 (TID-24358)
- HUNTER, J. B. Prompt neutrons from spontaneous fission of ^{257}Fm, 25:46031
  - Search for superheavy elements in nature by detection of events with large numbers of neutrons, 25:3652 (UCRL-19957)
- HUNTER, J. H. Hα auroral activity on Jupiter, 23:41904
  - Optical variations in quasars, 23:48659
  - Optical variations of 3C 454.3, 23:18330
  - Reply to Kinman concerning 3C 345, 24:15050
- HUNTER, J. H. Jr. Cosmology of Alfven and Klein, 22:17301
  - Galaxy formation in a steady-state universe, 21:33067
- HUNTER, J. Jr. Quasar 3C 446, 21:20673
- HUNTER, James H. Jr. Collapse of interstellar gas clouds and the formation of stars, 23:22739
  - Dynamical models of planetary nebulae, 22:29024
  - Generalized thermal stability and its application to the interstellar gas, 24:42474
  - Numerical studies relating to star formation, 21:31184
  - Observational studies relating to star formation. II, 24:1140
- HUNTER, Jeffrey J. Urban casualty estimation from multiple nuclear weapons, 22:35968
- HUNTER, Jerry Temperature dependence and effect of glycerol on the radiation sensitivity of bacteriophage—E. coli complexes, 21:34827
- HUNTER, Jerry Don Endocrine activity and structure of the murine ovary following irradiation sterilization, 21:39523
- HUNTER, John A. A. Melanogenesis: uv irradiated human melanocytes, 24:34123
- HUNTER, L. M. W-values in mixtures of gases containing ammonia, 24:48017 (ORO-2001-14)
- HUNTER, L. T. Microcircuit hardening study, 21:6396
- HUNTER, LeRoy Dean Polarized absorption electronic spectra for single crystals of dichloro(ethylenediamine)platinum(II), 25:41696 (IS-T-447)
- HUNTER, Linda M. Chemical effects in thin films of 1-hexene at 77°K due to low-energy electron impact, 24:27154
- HUNTER, Louis George Jr. Nonsimilar MHD boundary layers on insulating walls, 24:32709
- HUNTER, Norman F. Jr. Shock reproduction on shakers, 25:51722
- HUNTER, O. Ceramic and mechanical engineering division, 21:41650 (IS-1600, Paper 1)
  - Ceramic and mechanical engineering division, 23:1020 (IS-1900, Paper 1)
  - Ceramic and Mechanical Engineering Division, 24:17357 (IS-2100, Sect. C and ME)
- HUNTER, O. Jr. Ceramic Engineering Division, 25:16569 (IS-2300, pp 1-5)
  - Elastic properties of polycrystalline TiB_2, ZrB_2, and HfB_2, 23:27172
  - Elastic properties of polycrystalline Y_2O_3, Dy_2O_3, Ho_2O_3, and Er_2O_3, 23:44014
  - Elastic properties of polycrystalline thulium oxide and lutetium oxide, 24:27865
  - Elastic properties of Y_2O_3, HO_2O_3, and Er_2O_3, 23:48532
  - Improved thermal diffusivity method applied to TiB_2, ZrB_2, and HfB_2 from 200 to 1300°C, 25:29956
  - Stabilization of zirconia by erbia, 24:42267
- HUNTER, Orville Jr. Porosity dependence of Young's and shear moduli of polycrystalline yttrium oxide, 22:49837
- HUNTER, Oscar B. Jr. Clinical use of radioisotopes, 21:34700
- HUNTER, Preston E. Effect of gamma radiation upon life expectancy and reproduction in the house cricket, Acheta domesticus (Orthoptera: gryllidae), 25:16288
- HUNTER, R. Systematics of extra-nuclear hadron cascades in shields, 25:43613 (CERN-71-13)
- HUNTER, R. A. Experience with oxygen meters in sodium technology loop, 24:14338 (APDA-245)
  - Sampling and analysis for oxygen in sodium, 24:26921 (APDA-246)
- HUNTER, R. E. Comparison of calculations with integral experiments for plutonium and uranium critical assemblies, 24:6885 (LA-3529)
  - Neutron cross sections for ^{235}U and ^{238}U in energy range 1 keV to 14 MeV, 22:50598 (LA-3527)
  - Neutron cross sections for ^{239}Pu and ^{240}Pu in energy range 1 keV to 14 MeV, 22:50599 (LA-3528)
  - T = 2 pion—pion scattering, 23:18808
- HUNTER, R. H. F. Influence of x irradiation of rabbit spermatozoa on fertilization and early cleavage, 23:20351
- HUNTER, R. L. Kinetics and radiation sensitivity of dendritic macrophages, 23:29392 (ACRH-30, pp 58-64)
  - Studies on the kinetics and radiation sensitivity of dendritic macrophages, 23:768 (ACRH-1000-80)
- HUNTER, Raymond A. Impurity monitoring in a large sodium test loop, 23:45571 (ANL-7520(Pt.1), pp 233-53)
- HUNTER, Robert L. Immunosuppressive effect of the depletion of circulating lymphocytes by chronic irradiation of the rat spleen, 24:34175
- HUNTER, W. M. Measurement of TSH in vitro, 24:29671
  - Radioiodinated hormone preparations, 24:34006
- HUNTER, W. R. Laboratory experiments to study surface contamination and degradation of optical coatings and materials in simulated space environments, 24:44747
- HUNTER, W. W. Jr. Carbon-11 in bone and lung scanning, 23:48115
- HUNTER, Willard L. Separation of Ta and Nb, 23:48370
- HUNTER, William Douglas Some applications of the radiolysis of water in analytical chemistry, 25:51370
- HUNTER-CRAIG, I. D. Autoimmunization with irradiated tumor cells, 24:48450
- HUNTER II, Maxwell W. Conference on space age in fiscal year 2001, Washington, D. C., 3/66, 21:46122
  - Nuclear-propelled passenger vehicles for lunar and planetary exploration, 24:20616

- HUNTER II, Waldo S. Recovery of a photographic ferricyanide bleach, 22:27523 (SC-DC-68-2132)
- HUNTER-JONES, P. Effects of γ radiation on eggs of Schistocerca gregaria (forsk.), 22:31243
- HUNTING, Al Radiation hazard due to solar-particle events, 24:51337 (AD-805442)
- HUNTINGTON, Gordon L. Thorium movements in morainal soils, 24:2308
- HUNTINGTON, H. B. Diffusional properties of the stage-III defect in copper. I, 21:37586
  - Diffusional properties of the stage-III defect in copper. II, 21:37587
  - Electromigration and thermomigration in gamma-uranium, 24:6188
  - Electromigration in metals, 24:10092
  - Prog. rpt. on anisotropic diffusion and electromigration, annual, 8/67, 21:39646 (RPI-1044-13)
  - Prog. rpt. on anisotropic diffusion and electromigration, annual, 7/68, 22:45765 (RPI-1044-18)
  - Prog. rpt. on anisotropic diffusion and electromigration, annual, 8/70, 24:50293 (RPI-1044-24)
  - Thermomigration and electromigration in zirconium, 23:27067
- HUNTINGTON, J. Secondary deuterium isotope effects in radical-forming reactions. V. t-butyl peracetate and substituted t-butyl phenylperacetates, 24:44014
- HUNTINGTON, R. D. Mechanical properties of TiC—VC alloys, 25:35558
  - Slip systems in VC—TiC alloys, 25:29999
- HUNTLEY, D. J. Dielectric constant of UO$_2$ and variation with porosity, 21:2058
- HUNTLEY, H. W. Startup of KRB nuclear power station, Gundremmingen, Germany, 21:35623
- HUNTLEY, Henry C. Public health service views on postattack medical problems, 23:50585 (CONF-671135-, pp 99-102)
- HUNTLEY, W. R. Design and operation of a 1370°C forced-convection lithium corrosion test loop, 24:31575
  - Design and operation of turbine nozzle and blade screening tests in potassium vapor, 22:4738
  - Performance and cavitation characteristics of two helical electromagnetic-induction pumps, 22:8256 (ORNL-TM-1793)
- HUNTLEY C. J. Gamma photoconductivity of Al$_2$O$_3$, 22:13553
- HUNTON, A. E. Properties of irradiated silica fibre reinforced aluminum, 23:16551
- HUNTOON, R. T. Conference on materials for radio-isotope heat sources, Gatlinburg, Tenn., 10/68, 24:22881
  - Effect of alloying additions on anisotropic growth of uranium, 23:14376
  - Temperature/exposure thresholds for cavitational swelling of dilute U alloys, 23:14375
- HUNTRESS, A. M. Evaluation of HWCTR driver tubes for irradiation at SRP, 22:44896 (NMI-4379)
- HUNTSINGER, M. Safety evaluation of PNPF modifications, 23:28363 (NAA-SR-12516)
- HUNTZ, Anne-Marie Intergranular embrittlement of bcc metals, 25:29855
  - Relationship between radioactive iron and chromium diffusion in Fe—Cr alloys containing 0-15 per cent Cr, and α in equilibrium ($\alpha + \gamma$) in equilibrium γ transformations, 25:24592 (CEA-R-4023)
- HUNTZICKER, J. J. Magnetic hyperfine structure in ^{125}Te, 22:26206
- HUNTZICKER, James J. Magnetic transition, heat capacity, and thermodynamic properties of UO$_2$ from 5 to 350°K, 25:26264
- HUNTZICKER, James John Absolute temperature scale for cerium magnesium nitrate below 0.002°K, 23:9362 (UCRL-18476)
- HUNYADI, I. Average neutron total cross-section fluctuation for Al at 14 MeV, 21:31692
  - Correlation between nuclear radii and binding energies for light nuclei, 23:23639
  - Nuclear radii and binding energies for light nuclei, 24:38104
  - Radiative capture cross sections for 3 MeV neutrons, 22:3683
  - Radiative capture cross sections for 3-MeV neutrons, 24:38154
  - Reaction ^{27}Al(d,α)^{25}Mg in range 650 to 540 keV, 25:38940
  - Total neutron cross sections of Be, C, and F near 14 MeV, 23:1804
- HUNYADI, Ilona Variation of the spectrum of 14-MeV neutrons passing through different shieldings, 21:19160
- HUNZIKER, E. Radiation monitor with adjustable alarm, 23:9721
- HUNZIKER, H. E. Gas-phase absorption spectra and decay of triplet benzene, benzene-d$_6$, and toluene, 24:48104
- HUNZIKER, Kaethi Constancy of α_1-acid glycoprotein variants in patients with uterectomy and irradiation, 23:26951
- HUNZIKER, W. Mathematical theory of multi-particle quantum systems, 23:5698
  - Note on L. D. Faddeev's three-particle theory, 21:42219
  - S-matrix in classical mechanics, 22:39496
  - Time-dependent scattering theory for singular potentials, 22:11997
- HUNZINGER, W. Accuracy of dosimetry consistent with variances in biological damage, 22:21528
  - Amounts of radionuclides accidentally inhaled, 23:24648
  - Application of transuranium elements and related safety aspects, 25:37815 (EUR-4612, pp 99-113)
  - Case of ^{239}Pu inhalation, 25:37832 (EUR-4612, pp 259-71)
  - Criticality alarm system employed at EUROCHEMIC reprocessing plant, 24:22988 (NP-18183)
  - Criticality alarm systems used at reprocessing plant, 24:31553
  - Criticality aspects at Eurochemic, 23:9957
  - Estimation of tritium discharges into LLW-streams, 25:34719 (NP-18737)
  - Hazards involved in work with radionuclides, 23:14195
  - Nuclear accident dosimetry system at Eurochemic, 25:11082
  - Population dose as criterion for an environmental monitoring program, 24:7821
  - Radiation exposure of population due to operation of Eurochemic reprocessing plant, 21:12839 (NP-16379)
  - Safety and radiation protection, 25:4140
  - Safety and radiological protection in reprocessing plants, 24:31560
- HUON, Jean-Pierre Hermetic mounting for an α-probe in glovebox, 23:7676
- HUONG, P. V. Molecular motions of hydrogen halides and deuterium halides in liquid sulfur hexafluoride, 25:6312
- HUOT, L. Sensitivity to gamma radiation in Acheta domesticus, 24:23306
- HUOVINEN, Juho A. Paper electrophoretic measurement of radioactivities of labeled sulfur amino acids, 21:17575
- HUPF, H. Indium-111 for imaging: lymph node visualization, 24:17100
- HUPF, H. B. Cyclotron production of carrier-free ^{67}Ga, 24:13956
  - Development of new radionuclide preparations for medical and biological research, 23:2336
  - Generator /sup 83m/Kr, 25:26320
  - Preparation of carrier-free ^{129}Cs, ^{132}Cs, and ^{134}Cs, 25:32010
  - Production of ^{123}I for medical applications, 22:23045
  - Production of /sup 69m/Zn in the Oak Ridge Research Reactor, 23:3994
  - Reactor production of ^{84}Rb from Sr, 21:28018
- HUPF, Homer Cyclotron produced radiopharmaceuticals: preparation, 25:32473
- HUPF, Homer B. Method for separating molybdenum from technetium, 24:41403
  - Retention of ingested ^{86}Rb and ^{137}Cs by four patients with Duchenne muscular dystrophy, 23:41198 (COO-119-239, pp 2-29)
- HUPF, Homer, B. Zinc-69m chloride, a new liver scanning agent, 22:6860
- HUPKA, S. Profile-counting of lesions of skeleton with ^{85}Sr, 22:38344
- HUPKES, Julieke Redetermination of nuclear quadrupole moments from hyperfine interactions in compounds, 24:40579
- HUPP, E. W. Blood changes in female goats following different intensities of gamma radiation, 22:45656
  - Changes in semen and blood of boars following total-body gamma irradiation, 21:8964
  - Continuous and acute irradiation effects on developing animals, 24:23337 (CONF-690501-, pp 589-600)
  - Effects of prenatal gamma radiation on testicular morphology and function in swine, 21:14756
  - Localisation of irradiation damage in rat seminiferous tubules, 24:12296
  - Reproductivity of female goats exposed to gamma-radiation, 23:45901
- HUPPERT, K. L. Dismantling of irradiated fuel elements in the WAK, 22:48910
  - Dismantling of irradiated fuel elements in the WAK, 23:9498 (ANL-Trans-692)
- HUPPERT, Karl-Ludwig Reprocessing installation at Karlsruhe, 22:25473
- HUPPEST, J. Viral RNA synthesis in chicken cells infected with uv irradiated Newcastle disease virus, 23:47960
- HUQ, A. Energy dependence of the deuteron diffuseness parameter, 22:9978
  - Reaction T(d,n)^{4}He at low energies, 21:2609
- HUQ, M. N/D calculation for mass splitting of baryons in broken U$_{6,6}$ symmetry, 22:32193
  - Superconvergent relations for the process πN $\rightarrow$ rhoN, 21:42380
  - Test of a superconvergent relation for meson—baryon scattering, 22:11676
  - Universal theory of primary interactions and nucleon—nucleon scattering, 23:18932
  - Universal theory of primary interactions, scalar mesons, and nucleon—nucleon scattering, 24:10778 (SU-1206-216)
  - Universal theory of primary interactions, scalar mesons, and nucleon—nucleon scattering, 24:37810
  - Vector dominance sum rules for meson—baryon scattering, 22:52981
- HUQ, M. S. End-window type self-quenching GM counters, 23:17780
  - Gamma ray spectrometry for thorium determination in sand, 23:2221
  - Measurement of cosmic-ray neutron dose, 21:37202
- HUQ, S. S. K$\pi\pi$ system produced in reaction K$^+$p $\rightarrow$ K$^+\pi^+\pi^-$p at 10 GeV/c, 25:40901
  - Resonances produced from K$^+$p interactions in bubble chamber, 25:56435
  - Spin parity analysis of (K/sup $\pi\pi$/)$^+$ system, 25:40900
- HUQUE, H. Control of fruit flies Dacus zonatus Saunders by gamma rays, 21:45815
- HUQUE, Heshamul Atomic energy in insect study and control, 21:34846
  - Effect of gamma radiation on the reproductive organs of Dacus zonatus, 25:29617
  - Ovicidal effect of gamma radiation on lepidopterous pests, 24:2839
  - Preliminary results concerning the preservation of fresh tomatoes by gamma radiation, 25:610
  - Studies on control of Dacus ciliatus Loew by sterile male release technique, 24:4706
- HUQUE, M. M. Ionic processes in the luminescence of high-energy excited systems, 22:35872
- HURAULT, J. P. Breakdown of the mean field theory in the superconducting transition region, 25:1116
  - Electrodynamical properties of superconducting contacts, 23:51570
  - Fluctuation effects in zero dimensional superconductors, 24:32763
  - Fluctuations of the order parameter in small superconducting samples, 25:14167
  - Magnetic spheres in a superconductor, 24:5139
  - Nonlinear effects on the conductivity of a superconductor above its transition temperature, 23:27579
  - Screening currents in a normal metal backed by a superconductor, 21:13486
  - Superconductivity in small crystallites, 23:3426
  - Upper critical field of a superconductor backed by a normal metal, 22:1080
- HURAY, P. G. Dependence of Moessbauer isomer shift on degree of spatial order for CuAu alloys, 21:36828 (ORNL-P-3228)
- HURAY, Paul G. Dependence of Moessbauer isomer shift on degree of spatial order for Cu—Au alloys, 22:45785
  - Hyperfine structure coupling to ^{197}Au in Au$_2$Mn as a function of pressure, 21:36829 (ORNL-P-3230)
  - Hyperfine structure coupling to ^{197}Au in Au$_2$Mn as function of pressure, 22:46254
- HURD, C. M. Carcinogen induced immunodepression in mice, 25:10990
- HURD, D. T. Refractory metals in liquid metals handling, 21:30963
- HURD, J. T. Adsorption of N, H, O, and carbon monoxide on a Be film, 23:33372
- HURD, R. A. Plasma—air junction problem in parallel-plate waveguide, 24:51669
- HURD, R. W. Stable isotope sales: Mound Laboratory customers and shipment summaries, FY 1961—FY 1967, 22:25615 (MLM-1466)
- HURDLE, C. V. Diagnosis of a plasma beam extracted from an electron-bombardment ion source, 21:13541 (AGARD-CP-8(Vol.2), pp 385-418)
  - Experimental study of plasma—vehicle interaction, 21:29151
- HURDLOW, William R. Photographic and accelerometer measurements of surface motion on Buggy cratering experiment, 24:14108 (PNE-325)
- HURDUS, M. H. Abundances of long-lived delayed neutron groups (t/sub 1/2/ > 1 min) in fission of ^{235}U, ^{238}U, and ^{239}Pu, 23:34768 (AERE-M-2199)
  - Delayed neutron emission from selenium isotopes, 25:28212 (CERN-70-30(Vol.1), pp 519-20)
  - Delayed neutron precursors. I, 22:44708
  - Delayed neutron precursors. II, 22:48481
  - Delayed neutron precursors. III, 22:48543
  - New antimony delayed neutron precursor, 22:5852
  - Photofission caused by fission-product gamma-rays, 24:30798
  - Rapid radiochemical separation of Se, 24:14032
- HURE, J. Device for ion-exchange separation of Zr and Hf, 24:19056
- HURE, Jacques Improvements in zirconium and hafnium purification methods, 25:44418
- HURET, J. Measurements of losses in type-II superconductors in alternating regime, 21:37384
- HURGHISIU, Ileana Influence of tobacco mosaic virus on absorption and distribution of ^{32}P in tobacco plant, 21:8737
- HURIET, J. Preliminary study of the D-2 experiment, 24:35290
- HURLBURT, Evelyn M. Tracing life processes with radioisotopes, 22:16973 (NYO-3247-4)
- HURLBUT, F. C. Aerospace applications of molecular beams, 22:19770
  - Cesium-ion bombardment of aluminum oxide in a controlled oxygen environment, 22:977
  - Prog. rpt. on kilovolt ion sputtering, 8-10/66, 21:18407 (N-67-13184)
  - Prog. rpt. on kilovolt ion sputtering, 11/66—1/67, 21:43748 (N-67-22064)
- HURLE, I. R. Rate constants for atomic H recombination from 2500 to 7000°K, 23:30328
- HURLEY, A. C. Anharmonic vibration in fluorite structures, 21:25194
- HURLEY, C. A. Astron mechanical engineering effort, 25:36198 (UCRL-73059)
- HURLEY, Charles A. New astron accelerator and main chamber, 23:20948 (UCRL-71539)
- HURLEY, F. I. Nuclear power today, 22:14199
- HURLEY, F. W. Directory to tables and reviews of angular-momentum and angular-correlation coefficients, 21:10122
- HURLEY, Forrest R. Uranium oxide sols, 22:30564
- HURLEY, Frederick Ian Improvements in the control of nuclear reactors, 22:18626
- HURLEY, J. P. Application of non-dispersive x-ray spectroscopy to the elemental analysis of selected Central and South American ore samples, 24:38713 (PRNC-135, pp 451-67)
  - Fabrication and use of high resolution lithium-drifted germanium gamma-ray detectors, 22:2353
  - Measurement of positron annihilation line shapes with Ge(Li) detector, 22:31611
  - Search for a fast decay component in NaI(Tl); an evaluation of the RCA 8575 photomultiplier tube, 21:24214
  - Search for fast decay component in NaI(Tl). Evaluation of RCA 8575 photomultiplier tube, 21:12644 (USNRDL-TR-1099)
- HURLEY, J. V. Delayed response to x-irradiation of the skin, 23:12213
- HURLEY, James One-dimensional three-body problem, 21:33632
  - Self-consistent study of earth's radiation belts, 21:43923
  - Upper bound on plasma containment, 23:36648
  - Upper bound on plasma containment. II, 25:19581
- HURLEY, James L. Design and calibration of a deep ocean nuclear moisture meter, 25:39773
  - Design and calibration of a deep ocean nuclear probe for sediment water content, 25:51919 (AD-721095)
- HURLEY, James P. Discussion of boundary layer between a warm, streaming plasma, and a confined magnetic field, 22:31721

HURLEY, James Patrick Interaction between the solar wind and the geomagnetic field, 21:18538
HURLEY, James R. Evaluation of spleen size during routine liver imaging with /sup 99m/Tc and the scintillation camera, 25:19057
HURLEY, John P. Fabrication and use of high resolution lithium-drifted germanium gamma-ray detectors, 21:34477 (USNRDL-TR-67-55)
  Measurement of positron annihilation interactions with a Ge(Li) detector, 22:33630 (AD-663113)
HURLEY, Kevin Christopher Search for x rays from planet Jupiter, 25:45290
HURLEY, P. J. Pinhole scintillation camera and /sup 99m/Tc-pertechnetate in normal thyroid scanning, 25:29586
HURLEY, P. M. Rubidium—Sr relations in Tranquility Base samples, 24:21523
HURLEY, Patrick M. Absolute abundance and distribution of Rb, K, and Sr in the earth, 22:23146
HURLEY, Peter J. ^{43}KCl: a new radiopharmaceutical for imaging the heart, 25:46919
  Advantages of /sup 99m/Tc pertechnetate for thyroid scanning in patients with decreased radioiodine uptake, 25:24235
  Behavior of Fe-, In-, and I-labeled transferrin in pregnant rat, 24:34042
HURLEY, R. E. Operation of a glow discharge ion gun used for specimen thinning, 25:36639
HURLEY, R. G. Solvent extraction—x-ray spectrometric measurement of microgram quantities of tantalum, 22:22984
  X-ray fluorescence spectrometric determination of Tm in Pu—Tm alloys, 21:1244 (LA-3549)
  X-ray fluorescence spectrometric determination of tantalum and tungsten, 23:12 (LA-4007)
  X-ray fluorescence spectrometric determination of rare earths in plutonium, 23:36
  X-ray spectrometric determination of rhodium and palladium in uranium-base "fissium" alloys, 24:31225 (LA-4438)
HURLEY, R. H. Radiosensitivity of human oxygenated spinal cord, 22:28679
HURLEY, Ronald Determination of the interparticle void volume in packed granular beds from aerosol breakthrough curves, 25:21271 (CONF-700816-(Vol.2), pp 635-52)
HURLEY, Ronald G. Cation exchange separation, 23:19647
HURLEY, Rosalinde Infection with C. albicans in modified hosts, 22:8605
HURLEY, T. J. Jr. PILOT: on line computer supervisory system for reactor control, 25:51221
HURLEY, W. J. Magnetic moment of a particle with arbitrary spin, 24:32983
HURLICH, A. Mechanical properties of titanium alloys at cryogenic temperatures, 22:45778
HURLIMANN, T. Modified rod-drop measurements, 21:8136
HURLOCK, S. C. Energy levels and molecular constants of $^{12}C_2H_2$, $^{12}C_2D_2$, and $^{12}C_2HD$, 25:57433
HURME, M. Observations of fuel pin internal pressure, 23:45024 (HPR-110)
HURNI, W. M. Cytogenetic effects of ^{144}Ce in hamsters, 24:34626 (LF-41, pp 192-202)
HURON, B. Absorption spectra of aluminum hydride, 23:48612
HURPIN, B. Application of sterile-male release to Rhinoceros beetle, 24:32324
  Sterilization of Oryctes rhinoceros, 25:29754
HURR, R. Theodore Records of selected wells and springs in the Rulison Project Area, Garfield and Mesa counties, Colo, 23:47628 (USGS-474-40)
HURRELL, Herbert G. Rankine cycle power systems technology, 24:25199 (NASA-SP-5057, pp 35-89)
  Startup testing of SNAP-8 power conversion system, 24:52976 (N-70-29864)
HURSEN, T. F. Implantable radioisotope-powered cardiac pacemaker, 23:35430
HURSEN, Thomas F. Animal-implanted nuclear powered pace-makers, 25:4238
  Nuclear energy sources, 24:19176
HURSH, J. B. Fate of ^{212}Pb inhaled by human subjects, 23:33606
  Measurement of ^{212}Pb loss rate from human lungs, 24:34064
  Measurement of ^{212}Pb loss rate from human lungs, 24:36696
  Oral ingestion of uranium by man, 23:47947
  Preparation of dry ^{228}Th source of thoron, 21:19710
  Thoron half-life, 21:5557
HURSH, John B. Absorption of ^{212}Pb from gastrointestinal tract of man, 22:38199 (UCRL-18140, pp 217-33)
  Absorption of ^{212}Pb from gastrointestinal tract of man, 22:51322
  Device to measure ^{228}Th at natural levels, 22:2376
  Evaluation of tissue dose for the Thorotrast patient group, 23:14207
  Loss of thorium daughter, 23:26667
  Loss of thorium daughter by thorium dioxide patients, 23:20302
  Radium-226 and ^{210}Pb in human teeth and bones, 22:51627
  Tissue distribution of ^{212}Bi in rats, 23:41213
HURST, C. A. Boson calculus for the orthogonal and symplectic groups, 25:59534
  Charge quantization and non-integrable Lie algebras, 22:39339
  Charge quantization and nonintegrable Lie algebras, 23:7122
  New approach to Ising model. II, 21:44192
  Space—time and origin of internal symmetries, 21:25328
HURST, C. Angas Conference on symmetry principles at high energy, Coral Gables, Fla., 1/68, 22:39440
HURST, C. M. Effect of head versus trunk x-irradiation on avoidance behavior in rhesus monkey, 23:20339 (AD-673351)
HURST, Charles M. Behavioral and physiologic responses of Macaca mulatta monkeys to supralethal doses of radiation, 23:35863 (AD-680746)
HURST, D. G. Coupled reactors, 23:4178
  Government, utilities, industry, and universities: partners for nuclear development in Canada and abroad, 25:54017 (A/CONF.49/P-166)
  Improving the thermal efficiency of CANDU'S, 23:45094 (AECL-3332)
  Outlook for CANDU reactors. I and II, 24:24847 (AECL-3553)
HURST, Elmer C. Method for separating molybdenum from technetium, 24:41403
HURST, F. J. Estimated costs for processing granites for recovery of thorium and uranium, 21:1423 (ORNL-3988)
  Radioactive contamination of copper produced using nuclear explosives, 24:41552 (CONF-700101-(Vol.2), pp 1569-88)
  Recovery of Th (and U) from granitic rocks, 21:1422 (ORNL-3987)
  Solvent extraction of uranium from wet-process phosphoric acid, 23:21780 (ORNL-TM-2522)
HURST, G. S. A sequential neutron and gamma ray monitor, 25:10824
  Apparatus for measurement of electron attachment and electron swarm drift velocities, 22:15328 (ORNL-TM-1444)
  Capture of thermal electrons by oxygen, 22:5117
  Collisions of monoenergetic electrons with NO_2, 23:20689
  Exposure control for x-ray machines, 25:46850
  Nondissociative electron capture in complex molecules and negative-ion lifetimes, 21:3691
  Prog. rpt. on charged particle interactions with noble gases, annual, 4/15/68—4/14/69, 24:3166 (ORO-3650-2)
  Prog. rpt. on charged particle interactions with noble gases, annual, 4/15/69—4/14/70, 24:19744 (ORO-3650-3)
  Proton excitation of 1300-A continuum in Ar, 22:50013
  Proton excitation of continuous emission in the noble gases, 24:46999
  Proton excitation of the argon atom, 23:12537
  Radiation physics, 21:9295 (ORNL-4007, pp 121-69)
  Radiation physics, 22:7132 (ORNL-4168, pp 119-82)
  Time-of-flight investigations of electron transport in some atomic and molecular gases, 22:5105
  Vacuum ultraviolet radiation and Jesse effects in the noble gases, 25:7174
  Vacuum-ultraviolet emission from proton-excited helium gas, 25:30284
HURST, Gail H. Mechanisms of monofunctional and bifunctional catalysis of an ester hydrolysis. The kinetics of methyl 2,6-dicarboxybenzoate hydrolysis, 25:18400
HURST, H. J. Tables of mass absorption coefficients for use in x-ray spectrochemical analysis, 22:30426 (AAEC/TM-454)
  The emission spectrochemical analysis of impurities in plutonium dioxide, 21:32080 (AAEC/TM-376)
HURST, J. N. Electricity from nuclear-fired gas turbines, 21:10163
  Gas turbo-machinery for helium cooled reactors, 25:20772
  HTR: choice of style and performance, 24:24791
  Integrated nuclear gas turbines, 23:28543
  Integration of gas turbines with direct-cycle gas-cooled reactors, 23:37603
HURST, J. S. Radioactivity smear sampling method and apparatus using data processing cards, 21:3413
HURST, James Norman Power plants, 25:60141
HURST, John S. Carbide tools: theory and practice, 21:6858 (Y-DA-1412)
HURST, L. K. Controlling large quantities of plutonium fuel, 24:429
HURST, R. European experimental programs of fast reactors and final realizations, 23:4173 (ORNL-tr-1783)
  European experimental programs of the fast reactors and further realizations, 22:1796
HURST, R. P. Hyperpolarizabilities of H^-, He, and Li^+, 22:15353
  Magnetoelectric susceptibilities of S-state atomic systems, 21:43828
  Refractive index, dynamic polarizability, and Verdet coefficients of He, Be, and Ne, 22:38760
HURST, R. R. Conversion from differential count rate to differential nuclear cross sections for non-parallel target—detector configurations using Monte Carlo techniques, 24:4477
  Decay scheme of ^{152}Gd, 24:22161
  Photonuclear cross sections with monoenergetic neutron-capture gamma rays, 21:46711
HURT, H. D. Effect of dietary selenium on the survival of rats exposed to chronic whole body irradiation, 25:27032
HURT, Harvey David Radioprotective properties of Se, 25:49215
HURT, N. E. Jordan algebras and quantizable dynamical systems, 25:27945
  Remarks on canonical quantization, 22:34813
HURT, W. B. Calculated ion distributions in a helium negative glow, 21:744
  Emitted light and electron density in low-pressure helium afterglow, 22:15528
  Late-time soure of atomic light in the helium afterglow, 23:8609
  Time-dependent behavior of the 10830 A line in a low-pressure He afterglow, 23:32139
HURT, W. D. Fast/thermal neutron ratios determined by Ge(Li) gamma spectrometry, 22:38029
HURTEAU, Gilles D. Injuries related to radiation treatment of carcinoma of the cervix, 21:12993
HURTER, A. Chicago air pollution systems analysis program, 25:28840 (ANL/ES-CC-8)
HURT III, S. S. Bulk shielding facility quarterly report, January—March 1971, 25:37069 (ORNL-TM-3453)
  Experience with neutron damage to Be and Al lattice components at the ORR, 21:35734
  Oak Ridge Research Reactor quarterly report, January—March of 1970, 24:38604 (ORNL-TM-3074)
  Operating manual for 2-MW bulk shielding reactor, 23:52414 (ORNL-TM-2676)
  Prog. rpt. on Bulk Shielding Facility, 1—3/69, 23:31200 (ORNL-TM-2600)
  Prog. rpt. on Bulk Shielding Facility, 4—6/69, 24:2037 (ORNL-TM-2698)
  Prog. rpt. on bulk shielding facility, 10—12/69, 24:24884 (ORNL-TM-2914)
  Prog. rpt. on bulk shielding facility, 1—3/70, 24:36068 (ORNL-TM-3043)
  Prog. rpt. on bulk shielding facility, 4—6/70, 24:50186 (ORNL-TM-3159)
  Prog. rpt. on bulk shielding facility, 7—9/70, 25:8118 (ORNL-TM-3235)
  Prog. rpt. on bulk shielding facility, 10—12/70, 25:26033 (ORNL-TM-3355)
  Prog. rpt. on bulk shielding facility, 4—6/71, 25:54211 (ORNL-TM-3560)
  Prog. rpt. on bulk shielding, 7—9/69, 24:7171 (ORNL-TM-2790)
  Prog. rpt. on Oak Ridge Research Reactor, 1—3/66, 21:5694 (ORNL-TM-1678)
  Prog. rpt. on Oak Ridge Research Reactor, 4—6/66, 21:8046 (ORNL-TM-1679)
  Prog. rpt. on Oak Ridge Research Reactor, 7—9/66, 21:21770 (ORNL-TM-1791)
  Prog. rpt. on Oak Ridge Research Reactor, 10—12/66, 21:27804 (ORNL-TM-1843)
  Prog. rpt. on Oak Ridge Research Reactor, 1—3/67, 21:30260 (ORNL-TM-1881)
  Prog. rpt. on Oak Ridge research reactor, 1—3/68, 22:35608 (ORNL-TM-2237)
  Prog. rpt. on Oak Ridge Research Reactor, 4—6/68, 23:2072 (ORNL-TM-2386)
  Prog. rpt. on Oak Ridge Research Reactor, 10—12/68, 23:21519 (ORNL-TM-2537)
  Prog. rpt. on Oak Ridge Research Reactor, 7—9/69, 24:16241 (ORNL-TM-2875)
  Prog. rpt. on Oak Ridge Research Reactor, 10—12/69, 24:24885 (ORNL-TM-2955)
  Prog. rpt. on Oak Ridge Research Reactor, 4—6/70, 25:1928 (ORNL-TM-3161)
  Prog. rpt. on Oak Ridge Research Reactor, 7—9/70, 25:10270 (ORNL-TM-3256)
  Prog. rpt. on Oak Ridge Research Reactor, 1—3/71, 25:44160 (ORNL-TM-3481)
  Prog. rpt. on Oak Ridge Research Reactor, 4—6/71, 25:54210 (ORNL-TM-3559)
  Prog. rpt. on ORR operation, 1/1/69—3/31/69, 23:45108 (ORNL-TM-2608)
  Prog. rpt. on ORR, 7—9/67, 22:10062 (ORNL-TM-2087)
  Prog. rpt. on research reactor, 10—12/67, 22:20910 (ORNL-TM-2147)
  Prog. rpt. on research reactor, 10—12/70, 25:28762 (ORNL-TM-3369)
  Prog. rpt. on research reactor, 4—6/67, 22:3895 (ORNL-TM-2033)
  Prog. rpt. on research reactor, 4—6/69, 24:4093 (ORNL-TM-2735)
  Prog. rpt. on research reactor, 7—9/68, 23:13545 (ORNL-TM-2458)
HURTT, Faye Simple bolus mould for increasing surface dose with high energy beams, 25:49262
HURUHATA, M. Rocket observation of [0I] 5577 A emission and continuum at 5300 A in night airglow, 22:31696
HURUM, W. H. Tungsten deposition from W mesh heating element in vacuum above 2450 deg K, 21:492
HURWIC, J. Dielectric investigations of tributylphosphate, 22:4133
HURWIC, Jozef Elementary particles, atomic nucleus, and radioactivity, 23:49026
  Nuclear energy in Poland in the years 1961—1963, 22:25232
HURWIC, Maria Biochemical lesions induced in subcellular structures by ionizing radiation. V, 22:6730
HURWITT, Elliott S. Arterial anastomosis with a neodymium laser, 21:12938
HURWITZ, C. E. High power and efficiency in CdS and CdSe electron-beam-pumped lasers, 22:26529
HURWITZ, Camilla X-irradiated HeLa S3 cells. I, 23:43850
  X-irradiated HeLa S3 cells. II, 24:19345
HURWITZ, H. Jr. Landau damping of coupled oscillators, 21:23173 (66-C-155)
  Suppression of del B drift in curved theta pinch, 23:14749
HURWITZ, P. Relaxation spectra of some uranyl and vanadyl complexes in aqueous solutions, 21:12409
HURWITZ, P. A. Pressure-jump study of the kinetics of uranyl ion hydrolysis and dimerization, 22:2056
HURWITZ, S. Calcium depletion and repletion in laying hens. I, 21:28358
  Calcium depletion and repletion in laying hens. II, 21:28366
  Design and fabrication of three (UPu)C pilot experiments for EBR-II, 21:7899 (UNC-5137)
  Irradiation behaviour of solid solution uranium—plutonium monocarbides at high burnups, 21:33011
  Rate of passage of ^{45}Ca and ^{91}Y along the intestine, and Ca absorption in the laying fowl, 21:26342
  Use of labelled reference substances in studies on intestinal absorption and digestibility, 24:11922
HUSA, Donald LeRoy Magnetic properties of dilute liquid ^{3}He—^{4}He solutions, 21:42009
HUSAIN, A. Non-mesonic decay of hypernuclei produced by K-mesons of 3.0 GeV/c momentum, 25:5277

- HUSAIN, Ather Graft copolymerization on wood Pinus Longifolias using ^{60}Co gamma rays, 21:235 (PAEC/CHEM-101)
  - Pulse radiolysis of eosin-human serum albumin complex, 24:38930
  - Radiation polymerization on natural products in Pakistan, 25:51494 (A/CONF.49/P-829)
- HUSAIN, D. Elastic scattering of low-energy electrons by metastable He, 21:39826
  - Elastic scattering of positrons by hydrogen atoms, 23:16661
  - Equivalent local potentials from nonlocal separable ones, 25:12658
  - Low-energy positron—helium scattering, 25:9196
  - Note on the wave functions of non-local separable potentials, 25:36838
  - Photodisintegration of ^{4}He, 24:22066
  - Radial shape of isospin potential, 25:45974
  - Self-consistent treatment of nuclear rotation, 21:44805
  - Separable potentials and Coulomb interactions, 25:25373
  - Two-particle (γ,n) photodisintegration of triton, 25:38869
- HUSAIN, Khadim Quantitative cation exchange separation of zirconium and hafnium in formic acid media, 25:28955
  - Synthesis and ion-exchange characteristics of stannic molybdates: separation of Fe^{3+} from Al^{3+}, Ni^{2+}, and Mn^{2+} and of Ce^{3+} from Pr^{3+} and Nd^{3+}, 25:21085
- HUSAIN, L. ^{12}C(anti p,anti pn)^{11}C, $^{12}C(\pi^-,\pi^-n)^{11}C$, and $^{19}F(\pi^-,\pi^-n)^{18}F$ cross sections at 2.5 GeV/c, 25:33978
  - 14.8-MeV neutron activation cross sections of Ar, 22:20511
  - Antiproton- and pion-induced fission at 2.5 GeV/c, 25:48077
  - Cosmic-ray-produced radioactivity in laboratory chemicals, 22:40107
  - Decay of ^{40}Cl, 22:35271
  - Isomeric cross-section ratios for some reactions induced by 14.8-MeV neutrons in Te isotopes, 22:42058
  - Magnesium-28 in rain: produced by cosmic rays, 21:6084
  - Neutron 14.8-MeV cross sections for (n,^{3}He) and other rare nuclear reactions on ^{103}Rh, 23:7326
  - Neutron activation (14.8-MeV) cross sections for chromium, 22:1616
  - Neutron activation cross sections for rubidium, strontium, zirconium, and niobium, 24:38162
- HUSAIN, L. A. Dragon freezer heat transfer, 24:39132 (DP-Report-126(Pt.II))
  - Dragon heat transfer and gas dynamics group, 24:40951 (DP-Report-183)
  - Film boiling safety margin in Dragon primary heat exchanger, 24:39130 (DP-Report-113)
  - Flowmeter for very small flows, 24:36643 (DP-Report-86)
  - Heat transfer and pressure drop of Dragon channel, 24:43741 (NP-10874)
  - Heat transfer performance of Dragon freezer, 24:39131 (DP-Report-126(Pt.I))
  - Overall concept of ESRO astronomical satellite, 21:36970 (ESRO-SP-6, Paper 15)
  - Tests on P.T.F.E. valve seats, 24:39731 (DP-Report-78)
  - Using coated particle fuel inserts in Dragon, 24:40978 (DP-Report-91)
- HUSAIN, Liaquat 14.8 MeV neutron activation cross sections of Ar, Cr, Rh, and Te, 23:10965
- HUSAIN, Mozammel Neutron total cross section data measured with 3-MeV AECD Van-de-Graaf accelerator, 25:53728 (AECD/EP-18)
- HUSAIN, S. Detector shielding for the measurement of total neutron cross-section at backward angles, 25:6551
- HUSAIN, S. A. Sulfur isotope fractionation and kinetic studies of sulfite reduction in S. heidelberg, 22:40613
  - Sulfur isotope fractionation by Salmonella species, 21:10764
- HUSAIN, S. R. Extension and experimental examination of Greening's theory of vacuum chamber, 22:43061
  - Fluence of low-energy electrons established within and emitted from irradiated conducting materials, 22:43114
  - Low-energy portion of the electron spectrum established within and emitted from irradiated conducting materials, 22:31985
- HUSAIN, W. Separation of metal ions on inorganic ion-exchange papers, 25:41909
- HUSAIN, Waqif Adsorption of cations from formic acid solutions on strong acid cation-exchange resin, 22:45069
  - Separation of metal ions on Ti(IV) tungstate papers, 24:280
  - Synthesis of Th molybdate and its use for quantitative separation of Fe(III) from Zn(III), Co(II), and Cu(II), 24:36381
- HUSAK, V. Absorbed radiation dose in some scintigraphic studies, 23:43773
  - Absorbed radiation dose in some scintigraphic studies, 23:50515
  - Apparatus for measurements of ^{131}I uptake in thyroid, 22:38346
  - Application of low-energy gamma emitters in scintillation scanning, 22:530
  - Assay of /sup 99m/Tc, 23:45359
  - Choice of an optimum detector and an optimum adjustment of the apparatus for the detection of very low gamma activities, 25:55024
  - Comparison of /sup 99m/Tc pertechnetate in /sup 113m/In EDTA with respect to brain scintigraphy, 25:558
  - Concept resolution in scintillation scanning, 21:34487
  - Design of collimators for radioisotope scanning, 23:21974
  - Exposure rate at the surface of syringes containing radioactive material, 25:52081
  - Multichannel focused collimators for scintillation scanning, 23:33430
  - Optimum adjustment of the scintillation counting equipment for radioisotope diagnostic studies with extremely low activities, 23:2620
  - Scintigraphic localization of placenta by /sup 99m/Tc-labeled albumins, 21:22522
- HUSAK, Vaclav Assay of /sup 113m/In in medical applications, 24:48560
  - Radiation exposure of the hands from radionuclides in medicine, 25:49197
  - Review of commercial static systems of cameras used in nuclear medicine, 25:13222
- HUSAKOVA, Brigitta X radiation effects on bone marrow, 23:43882
- HUSCHKA, H. Coating of feed- and breed-particles in a fluidized bed under reduced pressure, 21:32964
  - Fuel elements for the AVR and THTR high temperature reactors, 22:6040
  - Preparation of coated $(Th,U)C_2$-particles, 23:12405
- HUSCHKE, H. Group constants for steam- and Na-cooled fast reactors, 23:9131 (EURFNR-533)
  - Group constants for steam- and sodium-cooled fast reactors in a 26-group representation, 22:53066 (KFK-770)
  - Group cross-section set KFK-SNEAK, 22:35627
  - Group cross-section set KFK-SNEAK: preparation and results, 22:6092 (EURFNR-397)
  - Treatment of space dependence of the energetic resonance self shielding at boundaries of homogeneous zones in reactors, 25:31652 (KFK-1353)
- HUSCHKE, R. E. Simultaneous flammability of wildland fuels in the United States, 21:203 (RM-5073-TAB)
- HUSEBY, Robert A. New developments in high density, high compressibility ferrous powders, 24:4743
- HUSEINI, S. D. Xenon transients, 24:11110
- HUSHFAR, F. Molecular beams, 22:19744
  - New concept in charge exchange molecular beams, 21:29007
- HUSIMI, Kazuo On-line particle identification using the table look-up method, 25:15905
- HUSKA, Paul Anthony Induction-coupled Ar plasmas and use for direct production of Mo, 21:16585
- HUSKOVA, Marie Effect of surface convexity on dosage distribution in cobalt therapy, 23:50524
- HUSMANN, D. Single photoproduction of neutral π-mesons on H at small angles between 4 and 5.8 GeV, 21:44303 (NP-17037)
  - Single photoproduction of neutral π-mesons on hydrogen at small angles between 4 and 5.8 GeV, 22:17847
  - Single photoproduction of neutral π-mesons on hydrogen in extreme forward direction at 4 and 5.8 GeV, 24:26356 (DESY-70/1)
  - Single photoproduction of neutral π-mesons on H at 4 and 5.8 GeV, 24:51900
- HUSMANN, F. Therapy of Cushing syndrome by implantation of ^{90}Y in the hypophysis, 21:26529
  - Yttrium-90 implantation in hypophysis in Cushing's syndrome, 23:22328
- HUSON, F. R. A_1 production in 8 GeV/c π^+D interactions, 23:23380
  - BNL work on Ne/H_2 targets, 25:34961 (CONF-700623-(Vol.1), pp 511-31)
  - Coherent production of $\pi^+\pi^+\pi^-$ in deuterium by 8 GeV/c π^+, 22:41732 (BNL-12677)
  - Coherent production of $\pi^+\pi^+\pi^-$ in deuterium by 8-GeV/c π^+, 23:5540
  - Coherent production of the $p\pi^+\pi^-$ enhancement at 1470 Mev by 28-GeV/c protons on neon, 22:41729 (BNL-12674)
  - Enhancements in 2 and 3 pion mass spectra in reaction of 8 GeV/c π^+ mesons, 22:41731 (BNL-12676)
  - Interaction cross section of Q^- enhancement, 24:51979
  - Interaction cross section of Q^- enhancement, 25:47756
  - Ionization loss, range, straggling, and multiple scattering, 21:28952 (BNL-11368)
- HUSON, R. Camera view of cosmic rays in the 25-foot bubble chamber, 24:50604 (TID-25473(Vol.2), pp 203-6)
  - Coherent production of 5-pion states from nuclei at 16 GeV/c, 23:7096
  - Coherent production of $\pi^-\pi^0\pi^0$ final states from nuclei at 16 GeV/c, 22:44331
  - Experimental results on 8 GeV/c π^--p interactions with two, three and four pions, 21:33613
  - Prog. rpt. on π^+ 2 π^- final states coherently produced on nuclei by 16 GeV/c π^-, final, 8/66, 21:33609 (AD-637734)
  - Reconsideration of a spherical 25-foot bubble chamber in the light of track-sensitive targets, 24:50607 (TID-25473(Vol.2), pp 225-8)
  - Track sensitive targets in the 25-foot bubble chamber, 24:50608 (TID-25473(Vol.2), pp 229-37)
- HUSS, A. Model investigation of the time-dependent distribution of radon, 24:31496
- HUSSAIN, Afzaal Nucleon—nucleon bremsstrahlung, 24:15601
- HUSSAIN, D. Binary equiatomic alloys of Zr with Fe, Co, and Ni, 24:25719
- HUSSAIN, Emdad Automatic liquid air replenisher, 25:53445
- HUSSAIN, F. Application of Veneziano model to p anti p $\rightarrow \pi^+\pi^-\omega^0$ decay at rest, 25:45742
  - Final-state interaction effects on β for the nonleptonic hyperon decays, 21:33670
  - Veneziano-type K/sub l3/ form factors, 24:26415
- HUSSAIN, Faheem Anomalous Ward identities and ω-meson decays, 25:22799
  - K/sub A/, K^*, and phi decay calculations with hard kaons, 22:34962
  - Off-mass-shell effects in $\omega \rightarrow 3\pi$ decay, 25:22800
  - Superconvergent dispersion relations and pion—nucleon sum rules, 22:11678
- HUSSAIN, Fazal Radiation induced polymerization of acrylonitrile, 23:4707
- HUSSAIN, M. ^{10}B slab detector for total neutron cross-section measurements, 25:51863
  - Bremsstrahlung distribution around Van de Graaff accelerators, 23:19102
  - Design and construction of a scattering chamber, 25:53444
  - Detector shielding for the measurement of total neutron cross-section at backward angles, 25:6551
  - Fluctuations in total cross section of Fe for 1- to 2-MeV neutrons, 25:53702
  - Gamma dose rates around a Van de Graaff accelerator, 21:23385
  - Geometry of cosmic radiation neutron intensity monitor of I.G.Y. design, 21:1577
  - Intermediate structures in total neutron cross-section of Gd, 23:19306
  - Total neutron cross section of Gd for 16- to 19-MeV neutrons, 23:25921
- HUSSAIN, Muhtasham Measurement of total neutron cross-section, 21:7720 (AECD/EP-15)
  - Relativistic tables of neutron energies from T(p,n), D(d,n), R(d,n) and Li(p,n) reactions, 23:37096 (AECD/EP-17)
  - Solid state detectors and their fabrication, 23:2574
- HUSSAIN, S. Development of embryo in Triticum durum following irradiation of male or female gamete, 22:52026
  - Killing and mutagenic action in E. coli associated with Auger effect during ^{125}I decay, 25:8654
- HUSSAIN, S. D. Sediment study at Karachi by means of radioactive tracers, 25:51606 (A/CONF.49/P-113)
- HUSSAIN, S. M. Angular distribution of fast photoneutrons for nuclides with N about 56, 21:44642
- HUSSAIN-KHAN, M. Nonlinear analysis of stresses in the structure of the prestressed concrete pressure vessel for a fast reactor, 25:31553 (EUR-4531, pp 797-812)
- HUSSEIN, A. Calculation of neutron pulse shape, transmission function and resolution function in mechanical time-of-flight spectrometer, 25:34919 (UARAEE-61)
  - Effect of the probe tube on the thermal neutrons space-energy distribution, 25:37137 (UARAEE-75)
  - Energy-dependent Milne problem, 25:36650 (UARAEE-60)
  - General review of thermal neutron spectra investigations, 25:37118 (UARAEE-62)
  - One-group considerations of Milne problem, 25:37116 (UARAEE-56)
- HUSSEIN, A. M. Effect of electromagnetic wave-field pressure on the propagation of slow TM waves, 25:56235
  - Electromagnetic surface waves in adjacent plasma flows, 25:36219 (UARAEE-97)
  - High-frequency plasma confinement, 25:52779
  - Preparation of colloidal solution of zirconyl phosphate with ^{32}P for radiotherapeutic purposes. II, 21:45723
  - Preparation of colloidal solution of zirconyl phosphate labeled with ^{32}P for radiotherapeutic purposes. III, 22:6755
- HUSSEIN, H. A. Exploration for radioactive occurrences in Egypt, 24:44138
- HUSSEIN, H. A. M. Decays of /sup 102g/Rh, /sup 102m/Rh, and /sup 102m/Tc, 24:15879
- HUSSEIN, H. M. Optical model analysis for elastic deuteron scattering on light nuclei, 25:5579
  - Optical model parameters calculated from different nucleon—nucleon phase shifts, 25:50826
- HUSSEIN, M. Abdel-Moneim Radioactive method for determination of thyroxine, 22:36191
- HUSSEIN, M. F. Preservation of the sardine Sardinella melanura by low-dose gamma radiation, 21:6744
- HUSSEIN, S. G. Spins and nuclear moments of /sup 60m/Co, ^{140}La, and /sup 142m/Pr, 24:43217
- HUSSEINY, A. A. Scattering probability for fast test particles in a plasma, 25:9467
  - Scattering probability of fast test particles in a plasma, 24:49144 (COO-1726-52)
  - Slowing down of a fast test particle in a plasma, 24:28281
- HUSSEINY, Abdelfattah Ahmed Feasibility of steady-state self-heated controlled thermonuclear power reactors, 25:7421
- HUSSEY, R. G. Corner parameters for oscillating disk, 22:52683
  - Oscillation of two cylinders in liquid helium, 21:13493
- HUSSMANN, E. K. Chemical dosimeter for monitoring gamma-radiation doses of 1 to 100 krad, 25:23877
  - Dose-distribution measurement of high-intensity pulsed radiation by means of holographic interferometry, 25:49186
  - Electron and gamma-ray dose distributions in various media, 24:14321
- HUSSMANN, Eckart After effect in x-irradiated aqueous solutions of lysin and other aliphatic amino acids, 23:273
  - After effects in x-irradiated amino acids, 22:33763
- HUSSON, J. P. Determination of multipolarities of electromagnetic nuclear transitions, 21:31802
  - Main decay characteristics of mercury isotopes and their daughter products (182 less than or equal to A less than or equal to 192), 25:12512 (CERN-70-29)
  - Primary collective levels in even—even platinum, 24:43389
  - Study of the deformation of excited states in ^{133}La, 24:43387
- HUSSON, Jean-Pierre Electromagnetic transitions in ^{198}Pt, 25:56760
- HUSSON, L. Development of variable conductor with characteristic impedance $Z_0 = 100\ \Omega$, 24:35732 (KFK-1010)
- HUSSONNOIS, M. Chemical separation of kurchatovium, 25:51581 (JINR-D12-5845)
  - Experiments on chemical identification of spontaneously fissionable isotope of element 105, 24:29241 (JINR-P12-5120)
- HUSSONNOIS, Michel First hydrolysis constant of Am, Cm, Bk, and Cf, 23:49805
  - Separation of elements actinium, thorium, protactinium, and uranium after irradiation of ^{231}Pa target by protons, 22:16668

HUSSRI, A. Decay of long-lived neutral kaons into two neutral pions, 23:14960
HUST, F. Biophysical studies with the CO_2 laser, 21:34799
HUSTER, E. Bahcall corrections to electron capture and the Hartree—Fock rearrangement, 25:5837
  Beta-spectrum of naturally occuring ^{187}Re, 21:33992
  Investigation of exoelectron emission from electron-irradiated metals, 25:49712
  L/K capture ratio of ^{65}Zn, 23:46971
HUSTER, Erich Investigations of the discharge mechanisms of self-quenching Geiger—Mueller tube counters, 21:12671
  Longitudinal polarization of β-particles of ^{152}Eu, 22:53189
HUSTON, A. E. Improvements in high-speed cameras, 23:16202
HUSTON, D. C. DNA degradation by fast proton bombardment, 23:24551
HUSTON, Douglas Courtland DNA degradation induced by fast proton irradiation, 22:40598
HUSTON, J. E. Cerium-144—^{144}Pr as particulate digesta flow marker in ruminants, 22:45432
  Evaluation of certain properties of radiocerium as an indigestible marker, 22:21443
HUSTON, R. I. Time-dependent release of fission products from small defects in fuel elements, 25:41378
HUSTON, W. D. Rhometer for monitoring impurities in sodium, 24:33960 (APDA-247)
HUSTU, H. Omar Chordoma, 22:21564
  Treatment of Ewing's sarcoma with concurrent radiotherapy and chemotherapy, 23:29673
HUSZAGH, D. W. Radiation facility for use with hazardous chemical systems, 21:40879 (BNL-11550)
  Radiation facility for use with hazardous chemical systems, 22:4396
HUSZAR, M. Nonrelativistic approximation of Dirac current, 21:33571
  Representations of Lorentz group on two-dimensional complex sphere and two-particle states, 24:30536 (JINR-E2-5020)
  Second order infinite component wave equation, 24:3707 (JINR-E2-4716)
  Spherical functions of Lorentz group on the two-dimensional complex sphere of the Zero radius, 25:33783 (JINR-E2-5747)
HUSZAR, Miklos Nucleon form factor, 21:25262
HUTANU, G. Hollow-cathode discharge with concentric spherical electrodes, 25:33245 (RFP-Trans-68)
HUTCH, Gerald C. Development of a germanium avalanche-type semiconductor nuclear particle detector and discussion of avalanche detector arrays, 22:40389
HUTCHENS, R. D. Magnetic and electrical characteristics of $REPd_3$ intermetallic compounds, 25:27870
  Studies of Kondo phenomenon in Ce/sub x/La/sub 1-x/Pd_3 ternary alloys, 25:52945 (CONF-711001-(Vol.2), pp 680-91)
HUTCHEON, D. A. Beta decay of ^{58}Cu, 25:17782
  Coriolis coupling between rotational bands in the nucleus ^{57}Fe, 21:23457
  Levels of ^{27}Mg by the ^{26}Mg(d,pγ)^{27}Mg reaction, 23:52127
  Lifetime of ^{22}Na 3708 keV level, 24:1791
  Lifetimes of excited states of ^{27}Si, 25:50676
  Study of ^{30}P levels below 5 MeV, 22:29966
HUTCHEON, I. Enhanced emission of iron nuclei in solar flares, 25:33001
  Extralunar dust in Apollo cores, 25:13958
HUTCHEON, J. M. AGR materials, 22:20830
  Graphite for AGR power stations, 22:6058
  Specification of materials for use in nuclear reactors, 22:6933
HUTCHEON, John Malcolm Improvements in or relating to graphite moderated nuclear reactors, 25:54074
HUTCHEON, R. M. 185-MeV proton scattering from ^{6}Li, 25:7811
  Electrodisintegration of lithium, 25:1714
  Inelastic electron scattering from ^{6}Li and ^{7}Li, 23:21282
  Inelastic electron scattering from 3.56 MeV excited state of ^{6}Li, 22:9786
  Inelastic electron scattering from the giant resonance in ^{12}C, 22:41963
  Inelastic scattering of electrons from 19.08-MeV level in ^{16}O, 22:3615
  Inelastic scattering of electrons from the 19.4 MeV level in ^{12}C, 22:15959
  Investigation of 5.36-MeV level in ^{6}Li by electron scattering, 24:43126
  Low-lying states in ^{6}Li, 25:25646
HUTCHEON, Ronald M. Interaction of high-energy electrons with ^{6}Li and ^{7}Li, 22:15954 (SAL-8)
HUTCHEON, Ronald Malcolm Interaction of high-energy electrons with ^{6}Li and ^{7}Li, 22:50547
HUTCHESON, C. G. Adsorption of three hydrogen isotopes on charcoal, 21:12407
  Exchange of hydrogen isotopes between methane and erbium tritide, 21:5829 (AWRE-O-93/66)
  X-ray examination of titanium hydride, 21:3011 (AWRE-O-60/66)
HUTCHESON, D. P. Indices of chemical composition in live ovines and their carcasses, 23:22208
HUTCHESON, Edward Thomas Effect of strain on resistance and superconducting transition temperature of thin Pb films, 25:9371
HUTCHESON, K. Comments on the distribution of indices of diversity, 23:37849 (CTC-14)
HUTCHIN, Maxine E. Relation between Ca and Sr transport rates, as determined simultaneously in isolated segments of vetch, barley, and pine roots, 23:20077 (AD-673381)
  Relation between calcium and strontium transport rates as determined simultaneously in isolated segments of primary root of Zea mays, 21:34598
HUTCHIN, W. H. Facility for the determination of low-level tritium in biological and environmental samples, 25:55003 (UCRL-73128)
HUTCHINGS, B. A. Implications of recent fast critical experiments on basic fast reactor design data and calculational methods, 22:30303 (GEAP-5271)
  Significance of neutron data uncertainties to fast reactor economics and power plant design, 22:50733 (GEAP-5635)
HUTCHINGS, Edward Conference on scientific progress and human values, Pasadena, 10/66, 22:18680
HUTCHINGS, Elizabeth Conference on scientific progress and human values, Pasadena, 10/66, 22:18680
HUTCHINGS, J. B. Expanding atmospheres in OB supergiants. I, 23:6803
  Expanding atmospheres in OB supergiants. II, 23:10333
  Expanding atmospheres in OB supergiants. III, 23:41791
  Expanding atmospheres in OB supergiants. IV, 24:23589
  Expanding atmospheres in OB supergiants. V, 24:25843
  Interstellar extinction anomalies and the diffuse interstellar bands, 24:1149
  Occultation studies at the Dominion Astrophysical Observatory, 25:32911
  Rotationally extended stellar envelopes: γ Cas, 24:48929
  Spectrographic analysis of Nova Vulpeculae 1968, No. 1, 24:42354
  Spectroscopic study of Algol, 25:52517
  Synthesis of close-binary light curves. I, 25:833
  Synthesis of close-binary light curves. II, 25:32933
  Synthesis of close-binary light curves. III, 25:40159
HUTCHINGS, M. T. High-degree exchange interaction between rare-earth ions, 22:46227
  Interaction constants in $CeCl_3$, 22:15589
  Magnetic interactions between rare-earth ions in insulators. I, 22:24434
  Magnetic interactions between rare-earth ions in insulators. III, 23:3577
  Magnetic interactions between rare-earth ions in insulators. II, 23:30663
  Spin waves and magnetic interactions in Cr_2O_3, 23:51808
HUTCHINGS, W. Fabrication and burst testing of reaction-bonded silicon carbide tubes, 25:35523 (AECL-3462)
HUTCHINS, B. Physics design of liquid metal fast breeder reactors, 24:33263
HUTCHINS, B. A. ^{239}Pu unresolved resonance data for ENDF/B, Version II, 24:40604 (GEAP-13591)
  Analysis of errors involved in sub-prompt critical transient experiments in SEFOR, 21:35711 (EURFNR-315)
  Analysis of errors involved in sub-prompt critical transient experiments in SEFOR, 21:46946 (KFK-578)
  Analytical procedures and applications of fluence determinations from EBR-II flux wires, 24:4042 (GEAP-5744)
  BICYCL: computer code for two-dimensional analysis of equilibrium fuel cycles, 24:22405 (GEAP-13556)
  BISYN: two-dimensional synthesis program, 24:16276 (GEAP-4922(Suppl.1))
  Calculated nuclear reactor parameters and their uncertainties in a 1000 MW(e) fast ceramic reactor, 21:7876 (GEAP-4471)
  Data processing codes for fast reactors, 23:37473
  Derivation of ^{239}Pu resonance parameters, 23:37237
  Derivation of ^{239}Pu resonance parameters from correlation of experimental data, 24:52577
  ENDRUN-1: a computer code to generate a generalized multigroup data file from ENDF/B, 24:49678 (GEAP-13592)
  Evaluation and compilation of ^{239}Pu cross section data, 21:13783 (GEAP-5272)
  Helium generation in metals irradiated in EBR-II, 24:6229
  Implications of nuclear data uncertainties to reactor design, 25:15345
  Multigroup, two-dimensional synthesis calculations for fast power reactors, 22:6012
  Recent fast critical experiments on basic fast reactor design data and calculational methods, 21:35669 (ANL-7320, pp 66-78)
  Sensitivity of fast reactor economics to uncertainties in nuclear data, 22:22740
  Sensitivity of fast-reactor physics parameters to uncertainties in chi(E) and anti τ(E), 21:7927
  Significance of neutron data to fast reactor power plant design, 23:5779
  User requirements for cross sections in energy range from 100 eV to 100 keV, 21:7629 (GEAP-4472)
HUTCHINS, C. L. Injection of intense, large-diameter ion beams into low-density gases, 21:3653
HUTCHINS, Charles Leroy Charge transients in Al—Si Nitride—Si capacitors, 23:6728
HUTCHINS, John Statistical model of interstellar clouds. II, 22:49948
HUTCHINS, K. Effect of diet upon radiation response in cervical carcinoma, 23:38706
HUTCHINS, P. A. Operating experience with the United Kingdom fuel reprocessing plants at Windscale and Dounreay, 25:51560 (A/CONF.49/P-492)
HUTCHINS, R. Effect of neutron irradiation on acoustic performance of CdS films, 23:6336
HUTCHINS, R. G. Background monitoring in Maryland, 22:2221
HUTCHINS, Robert R. Photoelectron-induced decomposition of ethane, 25:54597
HUTCHINS, W. H. Seismic array data analyzer and event selector, 22:196
HUTCHINSON, A. K. Association of coronal structures with chromospheric structure, 24:37131
HUTCHINSON, B. Metal isotope effect on metal—ligand vibrations. II. Tris complexes of 2,2'-bipyridine and 1,10-phenanthroline, 24:31335
HUTCHINSON, D. Positive muon magnetic moment, 24:51897
HUTCHINSON, D. P. Experimental test of charge independence in $n + p \rightarrow d + \pi^0$, 24:12933 (PURC-2137-17)
  Experimental test of charge independence in $n + p \rightarrow d + \pi^0$, 24:37628
  $K_2^0 \rightarrow 2\pi^0$ decay rate, 22:44317
  Magnetic moment of the positve muon, 24:30430
  $n + p \rightarrow d + \gamma$ and time-reversal invariance, 23:51852
  $n + p \rightarrow d + \gamma$ time reversal invariance, 24:1506 (PPAR-20)
  Polarization of inelastic neutrons produced in the collision of 3-GeV protons with Pt, 24:40257
HUTCHINSON, D. R. Transient behavior of pre-irradiated high-swelling EBR-II driver fuel in TREAT, 24:7177
HUTCHINSON, D. W. Acid-catalyzed exchange of hydrogen in thiamine and related compounds, 25:15619
  Hydrogen isotope exchange in methyl-quinones, 22:12323
HUTCHINSON, F. Assay of ^{45}Ca in biological materials by liquid scintillation counting, 21:12355
  Prog. rpt. on effects of radiation on biological molecules, 7/66—7/67, 22:28290 (NYO-2653-29)
HUTCHINSON, Franklin Breaks in DNA produced by deoxyribonuclease I and γ rays, 25:47062
  ESR-studies of normal and 5-bromouracil-substituted DNA of Bacillus subtilis, 23:45668
  Inactivation of dry ribonuclease by ionizing radiation. II, 22:4574
  Inactivation of dry ribonuclease by ionizing radiation. I, 22:6763
  Mechanism of the sensitization of bacterial transforming DNA to ultraviolet light by the incorporation of 5-bromouracil, 24:34800
  Prog. rpt. on effects of radiation on biological molecules, 7/67—7/68, 22:49185 (YALE-2653-33)
  Prog. rpt. on effects of radiations on biological molecules, 11/60—7/67, 22:21410 (YALE-2653-30)
  Prog. rpt. on effects of radiations on DNA, 8/69—7/70, 24:50711 (YALE-2653-41)
  Prog. rpt., 8/67—7/70, 25:6639 (YALE-2653-42)
  Prog. rpt., annual, 8/68—7/69, 23:50333 (YALE-2653-34)
  Ultraviolet-induced damage to DNA independent of molecular weight, 21:39329
HUTCHINSON, G. W. Celestial γ rays: observational aspects, 21:36967 (ESRO-SP-6, Paper 11)
  OGO-5 spark-chamber telescope for gamma-ray astronomy, 23:2656
HUTCHINSON, H. D. Prog. rpt. on heat-sensitive radioisotopes for temperature measurement, final, 7/65, 21:10687 (N-66-21002)
HUTCHINSON, Harriet D. Micro radiometric method for study of acid-insoluble materials in monolayer cell cultures, 23:29307
  Radioisotope assay for virus-induced enzyme activity, 23:29308
HUTCHINSON, J. Evaluation of temperature and the design of cooling systems for pressure vessels, 23:11222
HUTCHINSON, J. M. R. Alpha—gamma angular correlations in three heavy odd-A nuclides, 21:31812
  Backscattering of alpha particles from thick metal backings as a function of atomic weight, 22:38011
  Energy of the isomeric transition in ^{109}Ag, 21:46740
  Half lives of two excited states in ^{239}Np, 23:42926
  Simple and accurate method of calibration by photopeak efficiencies, 21:10618
  Standardization of ^{57}Co, 21:1053
HUTCHINSON, John Michael Robin Alpha—gamma angular correlations in liquid sources, 21:42671
HUTCHINSON, K. A. Determination of trace quantities of xenon in argon by gas chromatography, 21:3003
HUTCHINSON, P. Asymptotic form of the radial distribution function in a fluid, 22:20096 (TP-210)
  SCAT and SLAB: computer codes for computation of thermal neutron scattering cross sections, 22:9756 (AERE-R-5536)
HUTCHINSON, P. B. Biology and radiation sterilization of sugar cane leafhoppers, 21:20463
  Irradiation facility for agricultural research, 25:46582
HUTCHINSON, S. K. Physico-chemical studies of fused salt system. I, 22:12269 (AWRE-R-6/58)
  Physico-chemical studies of fused salt systems. IV, 22:14473 (AWRE-R-2/61)
  Physico-chemical studies of fused salt systems. III, 22:14475 (AWRE-R-8/58)
  Physico-chemical studies of fused salt systems. II, 22:14474 (AWRE-R-7/58)
HUTCHINSON, T. E. Substrate—condensate chemical interaction and the vapor deposition of epitaxial niobium films, 22:7369
  Substrate—overgrowth interaction during the epitaxial growth of niobium on magnesium oxide, 23:12339
HUTCHINSON, Thos. E. Prog. rpt. on in-situ electron microscope investigation of nucleation and growth of sputtered thin films, annual, 1/29/70, 24:20660 (COO-1790-2)
  Prog. rpt. on In-situ electron microscope investigation of the nucleation and growth of sputtered thin films, annual, 1/71, 25:18297 (COO-1790-3)
HUTCHINSON, W. B. U + N_2 reaction layer growths, 24:44718
HUTCHINSON, W. G. Design of the prototype fast reactor, 22:18519
HUTCHINSON, William George Nuclear reactor, 21:30224
  Power generation from a nuclear reactor plant, 21:46917
  Thermal insulation, 22:10496
HUTCHISON, C. R. Fabrication of fuel pellets from sol—gel powders, 21:17538 (WAPD-TM-581)
  Fabrication of high and low density ThO_2 fuel pellets, 21:11280 (WAPD-TM-576)
  Single-sinter process for manufacturing UO_2—ZrO_2 and UO_2—ThO_2 fuel pellets, 21:11281 (WAPD-TM-607)

- HUTCHISON, Clyde A. Jr. Paramagnetic resonance absorption and triplet state energy transfer of β-methylnaphthalene in naphthalene, 25:15603
  - Prog. rpt. on actinide and lanthanide ions and organic molecules in triplet states by magnetic resonance methods, 12/70, 25:10570 (COO-294-10)
  - Prog. rpt. on paramagnetic resonance absorption, annual, 12/68, 23:8665 (COO-294-8)
  - Prog. rpt. on paramagnetic resonance absorption, 12/4/69, 24:7423 (COO-294-9)
  - Viscosities of solutions of potassium in liquid ammonia and deutero-ammonia, 24:9270 (COO-294-11)
  - Viscosities of solutions of potassium in liquid ammonia and deuteroammonia, 24:36220
- HUTCHISON, George B. Leukemia in patients with cancer of the cervix uteri treated with radiation, 22:33858
- HUTCHISON, Merle Radioactive inhibitor tracer in pipelines, 21:32093
- HUTCHISON, R. E. Pulsed electron beam calorimetry utilizing stress wave measurements in solid absorbers, 21:33123 (SC-DC-67-1791)
  - Sandia thick quartz gage quality testing and application notes, 22:7965 (SC-TM-67-807)
- HUTCHISON, T. S. Color centers and interstitials in x-irradiated NaCl crystals, 23:46549
  - Plastic flow in normal and superconducting indium, 25:1134
- HUTH, F. Radiological, physiological, and anatomical studies on effect of new contrast medium for urography, 25:557
- HUTH, G. C. Avalanche multiplying diode, 23:22030
  - Biomedical applications of avalanche semiconductor detectors, 24:39301
  - High-speed, high sensitivity, ionizing radiation detector, 22:38015
  - High-temperature performance of an avalanche radiation detector, 22:38031
  - In vivo measurement of plutonium and other very low energy emitters, 25:57770
  - Low-energy radioactivity and avalanche semiconductor radiation detectors, 24:11775
- HUTH, Gerald C. Prog. rpt. on applications of avalanche type semiconductor radiation detectors, annual, 7/67—7/68, 22:45280 (NYO-3246-TA-2)
  - Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7/66-1/67, 21:16143 (NYO-3246-9)
  - Prog. rpt. on avalanche type semiconductor radiation detectors, annual, 1—12/67, 22:19097 (NYO-3246-TA-1)
  - Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 1—6/68, 22:45281 (NYO-3246-TA-3)
  - Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7—12/68, 23:19935 (NYO-3246-TA-4)
  - Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 1—6/69, 23:45512 (NYO-3246-TA-5)
  - Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7—12/69, 24:31680 (NYO-3246-TA-6)
  - Radiation detector, 23:33413
- HUTO, H. Polarization and angular distribution of the Λ^0 in associated production, 21:11741
- HUTSON, A. R. Moire patterns of ion implantation by channeling, 25:19849
- HUTSON, Donald G. Current measuring apparatus for use with an ionization chamber, 22:28131
- HUTSON, E. Measuring radioactivity exposure through food, 22:28524
- HUTSON, E. M. Whole body ^{137}Cs and its relation to body composition and diet, 23:31728
- HUTSON, J. Y. Retention of functional coding properties by polyribosomes in the x-irradiated mammalian cell, 24:50744
- HUTSON, R. L. Accurate proton—proton differential cross sections near 10 MeV, 24:12939
  - Nuclear processes T(p,p)T, T(p,^{3}He)n, T(p,d)D, and T(p vector,p)T from 13 to 20 MeV, 25:45900
  - p-^{3}He elastic scattering from 13 to 20 MeV, 25:45903
  - Polarization of ^{3}He elastically scattered by ^{12}C and the ^{3}He spin-orbit optical potential, 22:39596
  - Proton—proton elastic scattering from 9.6 to 13.6 MeV, 25:27957
  - Proton—proton scattering at 9.690, 9.918, and 13.600 MeV, 24:40270
- HUTSON, Richard Lee Polarization of 40-MeV ^{3}He ions elastically scattered from ^{12}C, 22:53133
- HUTT, R. B. Effects of gamma irradiation on longevity and oviposition of the codling moth, 24:32161
- HUTT, Robert B. Releases of unsexed gamma-irradiated codling moths for population suppression, 23:43929
- HUTTAR, D. Engineering details for flat-topping Princeton-Pennsylvania accelerator, 21:994 (PPAD-597-D)
  - Flat topping the PPA synchrotron magnet, 21:38055
- HUTTAR, D. E. On-line processing of data from large scale experiments at PPL, 25:45442 (MATT-856)
  - Rapid cycling flat-topped synchrotron magnet system, 25:50483
- HUTTAR, Daniel E. High power solid state septum magnet system, 21:4168
- HUTTER, E. Characterization of advanced irradiation testing vehicles for EBR-II, 24:18647 (CONF-690910-, pp 103-17)
  - Conceptual system design description of EBR-II in-core instrument test facility, 24:4085 (ANL-EBR-4)
  - Design and analysis of instrumented subassembly system for EBR-II, 23:11271 (ANL-7423)
  - EBR-II fuel handling system, 24:52967
  - EBR-II fuel-unloading machine design and performance, 21:7855 (ANL-7201)
  - FARET control rod drive mechanisms, 21:5680 (ANL-7158)
  - Instrumented subassembly system and in-core instrument test facility for EBR-II, 24:18646 (CONF-690910-, pp 71-102)
  - Instrumented subassembly system in EBR-II, 24:33348
  - Instrumented subassembly system in EBR-II, 25:10171
  - Preliminary system design description of the EBR-II In-Core Instrument Test Facility. EBR-II Project, 24:43802 (ANL-EBR-23)
  - Preliminary system design description of the EBR-II failed-fuel transfer system. EBR-II Project, 24:43803 (ANL-EBR-24).
- HUTTER, E. C. Plasma acceleration by electron cyclotron resonance, 22:13301
- HUTTER, Ernest Electrical connector for use in liquid metal, 23:50010
  - Fuel element assembly, 21:25749
  - Seal for a control rod apparatus, 21:5711
- HUTTER, O. F. Action of cations and anions on chloride permeability of frog muscle, 21:39360
  - Effect of pH on the ^{36}Cl efflux from frog skeletal muscle, 21:41320
- HUTTER, Rudolf G. E. Prog. rpt. on electromagnetics for Project Defender, semiannual, 9/30/66, 21:33393 (AD-642271)
  - Prog. rpt. on electromagnetics for Project Defender, semiannual, 3/31/66, 21:33390 (AD-631859)
- HUTTERER, Ferenc Diagnostic application of metabolic studies with isotopes, 25:13506
- HUTTON, A. Radioactivity induced in tissues by 600-MeV protons, 21:12829 (CERN-66-34)
- HUTTON, F. C. Analysis and automated handling of technical information at the NSIC, 21:15821
- HUTTON, Gary Proton and deuteron magnetic resonance in partly deuterated crystals. III, 23:19729
- HUTTON, Gerald L. Legal considerations on ionizing radiation, 21:6534
- HUTTON, J. L. Deuteron-nucleus effective interaction and DWBA calculations for the ^{90}Zr(d,p)^{91}Zr reaction, 21:38334
  - Form factor calculations in direct reactions, 23:4075
  - Particle hole states in ^{42}Ca excited by the ^{41}K(^{3}He,d)^{42}Ca reaction, 22:48482
  - Proton stripping to particle-hole states in ^{40}Ca and ^{42}Ca, 25:3627
  - Spectroscopic factors derived from ^{16}O(d,n)^{17}F measurements, 23:23630
- HUTTON, Jack E. Magnetic-signaled automatic fuel-surveillance system, 22:4511
- HUTTON, P. H. Acoustic emission detection in the presence of hydraulic noise, 23:13483 (BNWL-933)
  - Detecting acoustic emission in the presence of hydraulic noise, 23:29115
  - Detection of flaw growth in pressure piping by sensing acoustic emission, 21:35566 (BNWL-SA-1076)
  - Detection of incipient failure in nuclear reactor pressure systems using acoustic emission, 23:26479 (BNWL-997)
  - Integrity surveillance of pressure systems, 24:25237
  - Nuclear reactor system noise analysis, 23:4271 (BNWL-867)
  - Prog. rpt. on pressure piping crack monitoring, 3—6/66, 22:21294 (BNWL-CC-763)
- HUTTON, Philip H. Acoustic emission applied to determination of structural integrity, 25:44562 (BNWL-SA-3147)
  - Acoustic emission in metals as a NDT tool, 22:269 (BNWL-SA-1262)
  - Acoustic emission: a new tool for evaluating structural soundness, 24:14210
  - Detecting acoustic emission in the presence of nuclear reactor hydraulic noise, 23:37497
- HUTTON, R. Electromagnetic induction in the Earth by the equatorial electrojet, 23:27487
- HUTTON, R. A. Prog. rpt. on radiation effects on auditory and visual discrimination tasks in monkeys, 3/70, 25:16302 (AD-709971)
- HUTTON, R. S. Electron paramagnetic resonance of CD$_2$ and CHD. Isotope effects, motion, and geometry of methylene, 25:10555
- HUTTON, Rosemary S/sub q/ currents in American equatorial zone during IGY. II, 22:9202
  - S/sub q/ currents in American equatorial zone during IGY. I, 22:9201
- HUTZELMEYER, H. Antisymmetric states of cluster model and their α-particle parentage, 24:45824
  - Carbon-12 as nucleus of symmetry (444), 24:18365
  - Helium-4 trial wave function, 24:49694
- HUTZELMEYER, Hannes R. Carbon-12 as a three-alpha nucleus, 24:10922
- HUTZLER, Lillian Beatrice Radiomimetic effects of Myleran and EMS, 24:7982
- HUUS, T. High resolution system for van de Graaff accelerators, 24:3819
- HUVAR, A. Kinetics of glucoronization under normal and pathological conditions, 25:6603
- HUVOS, Andrew G. Effect of irradiation on the maturation of Wilms' tumor, 25:42592
- HUWE, D. Measurement of $K^- + p \rightarrow K^* + N$; calculation of K^*—N cross section, 21:2376
  - Reaction $\pi^- + p \rightarrow \pi^+ + \pi^- + n$ at 2.36 GeV/c, 21:17058
  - Study of reaction $\pi^- + p \rightarrow \pi^+ + \pi^- + n$ at 2.36 GeV/c, 21:17050
- HUWE, D. O. anti pn elastic scattering from -t = 0.15 to 1.0 $(GeV/c)^2$ at 3.5 GeV/c, 24:30512
  - Antiproton—neutron elastic scattering at 3.5 GeV/c, 25:3267
  - Evidence for a $K\pi\pi$ enhancement in π p interactions at 7 GeV/c, 24:49344
  - $I = 0$ $\pi^-\pi^+$ enhancement in 1.07 GeV mass region, 25:1421
- HUWE, Darrell O. Asymmetry of rho^0 meson, 22:13668
  - Design and construction of 1.2—1.9 BeV/c, separated K^- meson beam, 21:4151 (UCRL-17018)
  - Reaction $K^- + p \rightarrow \Lambda + \pi^+ + \pi^-$ from 1.2 to 1.7 GeV/c, 23:36850
- HUXHAM, G. J. Resolution and efficiency in electronmicroscopic autoradiography using radioactive calcium, 23:38393
- HUXLEY, H. E. Progress in biophysics and molecular biology. XVII, 21:43331
- HUXLEY, L. G. H. Influence of diffusion on Townsend discharge in uniform electric field, 22:7300
  - Properties of a drifting and diffusing pulse of electrons and Townsend's coefficient of ionization α/sub T/, 23:1439
- HUXSOLL, C. C. Microwave dehydration of potatoes and apples, 23:956
- HUXTABLE, J. Recent applications and developments in thermoluminescent dating, 24:29386
- HUYBRECHTS, M. "STAN," geometry program for heavy liquid bubble chambers, 22:49117
- HUYGHE, J. Desalination plants coupled to a nuclear reactor, 23:49633
  - Distillation cycle and the combination of processes which are applicable to large-capacity desalination plants, 25:54240 (A/CONF.49/P-590)
  - Sea-water desalination plants associated with a natural U—gas—graphite reactor, 23:28596
- HUYGHE, Jean Distillation methods for desalination, 22:3864
  - Process and apparatus for improving the transfer of heat from a hot gaseous fluid, 21:8525
- HUYNH, C. T. Isotopic analysis method by numerical integration of peaks, 23:47381
  - Mass spectrometer equipped with a high-frequency ion source and an electronic digital device for information processing: application to isotopic analysis, 22:28257
- HUYNH, Chanh Trung Process for separating isotopic compounds by absorption, 25:8343
- HUYNH, Chanh-trung Enrichment of isotopes of carbon and neon by gas phase chromatography. I, 21:30515
  - Enrichment of isotopes of carbon and neon by gas phase chromatography. II, 21:30516
- HUYNH, V. D. Analysis of parameters of resonances in Co and Mn induced by neutrons of energy up to 120 keV, 21:46692
  - Determination of spin and resonance parameters for ^{107} ^{109}Ag + n, ^{169}Tm + n, Pt + n at 4 eV to 830 eV, 23:40080
  - Intermediate structure in the ^{59}Co neutron total cross section between 0 and 500 keV, 21:7746
  - Spin and the resonance parameters for ^{107} ^{109}Ag + n, ^{169}Tm + n, Pt + n, 24:52639
  - Variation in total radiative width GAMMA/sub γ/ as function of mass number A and value of spin J = I +- $^1/_2$, 24:8861 (UCRL-Trans-10397)
  - Variations of total radiative width GAMMA/sub γ/ as a function of mass number A and the spin value J = I -+ $^1/_2$, 23:37160
- HUYNH, Vinh-Dinh Density functions S$_0$ and S$_1$ of the nucleus of ^{209}Bi, 22:9887
- HUYNH CHANH TRUNG Photoconductivity in solids, 22:7388
- HUYS, D. Ion exchange properties of zirconium and titanium phosphates and their use in the separation of nuclear reaction products, 25:48589
  - Recovery of ^{137}Cs and ^{90}Sr from fission products, 23:11616
  - Recovery of ^{137}Cs and ^{90}Sr from fission products, 23:38067
  - Separation of ^{226}Ra, ^{227}Ac, and ^{228}Th by ion exchange, 21:40944 (BLG-422)
  - Structure and ion-exchange characteristics of polyantimonic acid, 22:18750
- HUYS, J. Detection of hepatic metastases by means of ^{131}I administered rectally, 21:14704
- HUYSER, Earl S. Isotope effects in reaction of α-hydroxyalkyl radicals with t-butyl peroxide, 24:4269
  - Primary isotope effects in hydrogen atom transfer reactions from α-hydroxyalkyl and monohydropyridyl radicals, 25:2180
- HUYSKENS, P. New apparatus for irradiating liquids and gases with accelerated electrons, 22:6319 (UCRL-Trans-10148)
  - Transitions and diagonals in the Mendeleev table, 24:44002
- HUYSKENS, Pierre Description of a technique for irradiation of gases by electrons at 10- to 100-keV, 21:3101
- HUYTON, D. W. Effect of electron scavengers on the γ-radiolysis of gaseous H$_2$S, 24:41328
  - Ionisation measurements and some ionic reactions in gas phase radiolysis, 24:27130
  - Ionization measurements and absolute radiation yields in the γ-radiolysis of gaseous H$_2$S, 24:41366
- HUZIMURA, R. Application of radiothermoluminescence of some phosphors to accident dosimetry, 23:7807 (CONF-680920-, pp 54-9)
- HUZIMURA, Ryoitiro Gamma thermoluminescence in rare-earth-activated Y$_2$O$_3$ phosphors, 23:2677
  - Radiation dosimetry by thermoluminescence, 24:31741
- HUZINAGA, Sigeru Approximate relativistic correction term, 25:38172
  - General SCF formalism, 23:39341
  - Virtual orbitals in Hartree—Fock theory, 24:26025
- HUZITA, Akira Effect of radioactive fallout upon the electrical conductivity of the lower atmosphere, 21:11509
- HUZITA, H. Experimental investigation of the $K^0 \rightarrow \pi^+\pi^-\gamma$ decay, 21:2350
  - Measurement of the magnitude of the mass difference m/sub K^0/sub s//—m/sub K^0/sub L//, 21:2362
- HVATUM, Hein Search for strong lines in range 20 to 25 GHz, 23:48649
  - Search for strong radio spectral lines in the range 12.4 to 15.1 and 15.3 to 17.3 GHz, 25:9058
- HVATUM, M. Inactivation of tissue thromboplastin by ultraviolet irradiation, 22:47588
- HVELPLUND, P Stopping cross section in C of 0.2- to 1.5- MeV atoms, 22:11543

- HVELPLUND, P. Channeling effects in light emission from helium ion beams excited by a gold single crystal, 25:1302
  - Energy-dependence of transient fields on moving ions in ferromagnetic solids, 24:49804
  - Equilibrium charge distributions of ion beams in carbon, 25:16758
  - Stopping cross section in atmospheric air of 0.2 to 0.5 MeV atoms with 6 less than or equal to Z_1 less than or equal to 24, 22:26224
  - Stopping cross section in C of 0.1 to 1.0 MeV atoms with 6 less than or equal to Z_1 less than or equal to 20, 21:16814
  - Stopping cross section in carbon of 0.1 to 1.0-MeV atoms, 22:979
  - Stopping power and energy straggling for swift protons, 25:43432
  - Transient fields in ferromagnetic iron and gadolinium, 25:5189
- HVIDSTEN, E. Nuclear structure studies in Te isotopes, 23:4026
- HVIDT, Aase Effect of hydrogen—deuterium substitution on the association of N-methylacetamide, 25:2174
  - Kinetics of hydrogen—deuterium exchange in poly(N-vinylacetamide) measured by infrared spectroscopy, 24:46234
- HVINDEN, Torleif On the probability of radiation being the cause of leukemia, 23:10102
- HVOSTOV, N. N. Significance of surface contamination by radioactive substances for occupational health, 23:41309
- HWA, Jesse C. H. Conference on new concepts in emulsion polymerization, New York, 9/66, 23:33140
- HWA, R. C. Bootstrap of Pomeranchuk cut, 23:49193
  - Reduced wave equation with infinite components, 22:35047
  - Relativistic spin equation and its generalization, 22:35046
  - Relativistic wave equations for any spin with or without mass spectrum, 22:3295
- HWA, Rudolph C. Baryon annihilation and exotic exchange, 25:43632
  - Bootstrap model for diffractive processes, 24:37740
  - Commutation relations of baryon currents, 21:5401
  - Derivation of the Wu—Yang conjecture in the bootstrap model, 25:9809
  - Determination of the slopes of diffraction peaks for hadronic processes, 25:45729
  - Flat proton spectrum and its implications, 25:59511
  - Homology and Feynman integrals, 21:2536
  - Multiplicity distribution and single-particle spectrum in the diffractive model, 25:33674
  - Partial-wave spinor amplitudes with definite parity, 22:48374
  - Possibility of universality of Regge trajectory slopes, 22:3550
  - Self consistent asymptotic behavior, 23:51915
  - Spinor amplitudes in the invariant space, 23:32851
- HWANG, C. f^0 Production in K^-p interactions at 5.5 GeV/c, 22:1391
  - Measurement of magnetic fields at liquid helium temperatures, 21:708
- HWANG, C. C. Investigation of helium arcs at 10 atm pressure, 24:40054
- HWANG, C. F. Dynamic proton polarization in butanol water below 1 K, 23:44776
  - Proposed 0.4 K polarized proton target cryostat for LAMPF, 25:5456 (LA-4465, pp 33.1-2)
  - Proposed 0.4 K polarized proton target cryostat for LAMPF, 25:53479
  - Use of chemically doped polystyrene as a polarized proton target material, 21:25369
- HWANG, C. L. Compressible laminar MHD flow inside flat duct with heat transfer, 22:9185
  - Heat transfer on magnetohydrodynamic flow in the entrance region of a flat duct, 22:17452
  - Heat transfer to MHD fluid, 24:28156 (AD-693330)
- HWANG, Chester F. Phenomenological model for the new effect in dynamic polarization, 22:1335
- HWANG, F. S. W. New dating technique using thermally stimulated current, 24:36391
  - Supralinearity and sensitization of thermoluminescent phosphor lithium fluoride, 25:35076
  - Supralinearity of thermoluminescent phosphor lithium fluoride, 24:46523
  - Thermoluminescence dating applied to volcanic lava, 24:48176
- HWANG, J. H. Electron spin resonance of x-ray irradiated polycrystalline and single-crystal sodium hexafluoroantimonate, 21:30475
- HWANG, Jenn-lin Charge distribution in nuclei, 21:25576
  - Lattice vibration of graphite, 22:20070
  - Nuclear charge distribution and Born approximation for high-energy electron scattering, 25:5661
- HWANG, L. S. Hydrodynamic effects of nuclear explosions. V, 22:35960 (AD-661453)
  - Hydrodynamic effects of nuclear explosions. I, 22:35958 (AD-661451)
- HWANG, Li-San Amchitka tsunami study. Final report. Tetra Tech report TC-177, 24:41457 (NVO-289-7)
  - Oscillations of harbor of arbitrary shape and variable depth and Amchitka field experiments, 24:9535 (NVO-289-5)
  - Run-up of nonbreaking waves, 22:10417 (NVO-289-1)
- HWANG, R. N. Conditional variances pertinent to Doppler effect studies, 24:52998
  - Crystalline effects on the Doppler-broadened cross section and resonance integrals of U in a UO_2 lattice, 21:38318
  - Doppler effect analysis. I, 23:19555
  - Doppler effect analysis. II, 23:19556
  - Doppler effect studies using multilevel formalism, 24:11295
  - Recent studies of Doppler effect in heterogeneous systems, 22:32790
  - Theoretical Doppler-coefficient results for fast reactors, 21:19344 (ANL-7269)
  - Variance in the Doppler coefficient due to statistical selection of resonance parameters, 23:37700
  - ZPR-6 Doppler measurements and comparisons with theory, 21:35678 (ANL-7320, pp 319-33)
- HWANG, Richard N. MATDIAG: program for computing multilevel S-matrix resonance parameters, 24:8882 (ANL-7590)
- HWANG, S. I. Nuclear interactions at approximately 10^{12}eV, 23:34530
- HWANG, Sheng-nien Kinetic energy and charge distribution of the fission fragments, 21:1093
- HWANG, Sun-Tak Surface diffusion of deuterium and light hydrocarbons in microporous vycor glass, 21:8271
- HWANG, U. K. Eradication of Korean pine caterpillar by radiation, 24:32322
  - Eradication of Korean pine moth by gamma irradiation, 24:32329
- HWANG, U. P. Compressible laminar MHD flow inside flat duct with heat transfer, 22:9185
  - Heat transfer on magnetohydrodynamic flow in the entrance region of a flat duct, 22:17452
- HWANG, Un-pah Compressible laminar magnetohydrodynamic boundary layer flow with heat transfer, 22:13321
- HWANG, Wen-shui Shih Effects of single doses of x ray on the mandibular incisor of rats, 21:32784
- HWANG, Won Guk Gamma-ray radiography by ^{192}Ir, 23:24378 (AERI-21)
- HWANG, Yin-si Radiation-pasteurization of suddenly boiled shrimp, 24:36854
  - Recovery of telluric acid from ^{131}I production liquid waste by modified alcohol precipitating method, 22:37869
- HYAKAWA, Kiyoshi Polymerization of β-(2-furyl)acrolein in solution by ionizing radiation, 22:18821
- HYAKUTAKE, M. Background in associated-particle time-of-flight technique, 25:37630
  - Fast neutron time-of-flight spectrometer with neutron-gamma ray discrimination, 23:29216
  - Stabilizing a time-of-flight neutron spectrometer, 24:4474
- HYAKUTAKE, Mikio Fast neutron time-of-flight spectrometer, 25:46630
  - Fission of ^{241}Am by thermal neutrons, 22:11970
  - Improved fast neutron time-of-flight spectrometer, 24:4462
  - Preparation of uranium targets by the electrospray method, 22:45759
  - Some improvements in neutron time-of-flight spectrometer for D + T neutrons, 25:51883
- HYAM, E. D. Diffusion of Pu in irradiated Mg/0.5 wt. percent Zr fuel element cans, 24:14748
  - Plutonium and fission product distribution in fuel element cans, 24:14863
- HYAMS, B. Determination of g-meson spin, 25:45681
  - Measurement of the A_2^- meson mass spectrum, 25:22691
- HYAMS, B. D. Experimental possibilities with proton intersecting storage rings, 22:3554 (CERN-66-29(Vol.3), pp 153-65)
  - Experimentation with proton storage rings, 21:29710
  - ISR background conditions from measurements at the CERN proton synchrotron, 25:25547 (CERN-71-1)
  - Leptonic decay branching ratio of rho meson, 21:31532
  - Measurement of π π inelastic scattering cross-section in region of 1 GeV invariant mass, 24:42880 (UH-511-74-70)
  - Mu$^-\mu^+$ decay mode of the eta^0 meson, 23:27753
  - Pairs K^+K^- from reaction $\pi^- \rightarrow K^+K^-n$ at 11 GeV/c, 24:30458 (CONF-690521-, pp 529-32)
  - Reaction $\pi^-p \rightarrow K^+K^-n$ between 988 and 1100 MeV invariant KK mass, 25:59301
  - Reactions $\pi^-p \rightarrow$ rho^{0}n and $K^-p \rightarrow K^{*0}(890)n$ at 11.2 GeV/c, 22:48232
  - Upper limit on K/sub s/$^0 \rightarrow \mu^- \mu^+$ decay rate, 23:42538
- HYATT, B. Z. Viscoelastic analysis of in-pile stress relaxation, 25:40080
- HYATT, D. Chemical reaction kinematics. IX, 23:18431
  - Chemical reaction kinematics. VIII, 23:18430
  - Influence of rotational energy on ion—molecule cross sections, 25:54550
  - Kinematic investigations of ion—neutral collision mechanisms at approximately 1eV, 22:36737
  - Multipole potential in investigation of collision cross sections for ions with linear molecules, 24:39871
- HYATT, D. J. Collision mechanisms of ion—molecule reactions at energies of 1 eV, 21:18425
- HYATT, E. C. Evaluation of respirator performance by DOP man test, 25:55243 (CONF-710401-, pp 392-406)
  - Respirator efficiency measurement using quantitative DOP man tests, 25:51303 (LA-DC-11959)
  - Size-selective sampling of plutonium and uranium aerosols, 25:6685
- HYATT, M. MCR system parametric studies, 22:50779 (GMAD-3078-20(Vol.3))
  - MCR system parametric studies, 22:50777 (GMAD-3078-20(Vol.1))
- HYATT, Susan Laser impacts on the skin, 23:12216
- HYATT, Susan R. Fat embolization from pulsed ruby laser impacts of bone, 23:29744
- HYATT, W. D. Helium-temperature annealing of electron-irradiated n-type germanium, 25:45566
  - Low-temperature annealing of electron-irradiated germanium, 25:59132
- HYATT, Wanda Reaction list for charged-particle-induced nuclear reactions. Pt. B, 24:3910
  - Reaction list for charged-particle-induced nuclear reactions. Pt. A, 24:8847
- HYATT, William D. Low temperature annealing of electron irradiated germanium, 24:42162 (COO-1198-735)
- HYATT, William Dennis Low-temperature annealing of electron irradiated germanium, 25:27850
- HYCHE, C. M. Neutron activation analysis of inorganic constituents of airborne particulates, 25:8231
  - Rates of polymerization of monomers in maple and birch using a variable dose rate gamma source, 23:7555
- HYCHE, Carolyn M. Determination of mercury in biological and environmental samples by neutron activation analysis, 25:54508
- HYDE, A. S. Some effects of acute and chronic microwave irradiation of mice, 24:19364
- HYDE, A. T. Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1969—June 30, 1970, 25:355 (GA-10272)
  - Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1970—June 30, 1971, 25:57704 (GULF-RT-A-10826)
  - Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 7—9/70, 25:21281 (GULF-RT-10459)
- HYDE, B. G. Decomposition of V_2O_5, 24:42240
  - Deformation twinning of V_2O_5 during chemical reduction, 24:44812
  - Point, line, and planar defects in some nonstoichiometric compounds, 25:22192
- HYDE, D. A. Experience with a Nuclear Materials Information System, 25:37559 (A/CONF.49/P-101)
- HYDE, E. F. Surface spray from explosively accelerated metal plates as an indicator of melting, 24:2912 (AWRE-O-56/69)
- HYDE, E. K. Alpha decay of neutron-deficient francium isotopes, 21:44726
  - Observation of new isotope ^{17}C using combined time-of-flight particle-identification technique, 22:50542
  - Production and decay properties of thorium and protactinium isotopes of mass 221-225 formed in heavy ion reactions, 25:28304 (CERN-70-30(Vol.1), pp 545-6)
- HYDE, Earl K. Alpha decay of neutron-deficient osmium isotopes, 25:25738
  - Alpha-decay properties of neutron-deficient isotopes of emanation, 21:38364
  - Analytical capabilities of a semiconductor x-ray emission spectrometer, 21:34475 (UCRL-16845)
  - Fragment production in interaction of 5.5-GeV protons with U, 25:28426
  - Levels of ^{208}Po from radioactive decay and nuclear reaction γ-ray spectroscopy, 22:48551
  - New islands of fission isomerism, 25:17924
  - New isotopes of thorium studied with an improved helium-jet recoil transport apparatus, 23:15439
  - New isotopes: ^{11}Li, ^{14}B, and ^{15}B, 21:7793
  - On-line alpha spectroscopy of neutron-deficient radium isotopes, 21:44694
  - On-line alpha spectroscopy of neutron-deficient actinium isotopes, 22:18253
  - Production and decay of protactinium isotopes, 25:12592
  - Production and decay properties of thorium isotopes of mass 221 to 224 formed in heavy-ion reactions, 24:40649
  - Quantitative analysis of U and Th solutions, 21:15837 (UCRL-17166)
  - Search for new islands of fission isomerism, 25:28305 (CERN-70-30(Vol.1), pp 567-74)
  - Semiconductor x-ray emission spectrometer, 23:16141
- HYDE, James S. Frequency-swept electron—electron double resonance: separation of overlapping spectra in irradiated malonic acid, 22:30619
- HYDE, John Edgar Improvements in or relating to fuel handling equipment for nuclear reactors, 25:31582
- HYDE, K. R. Determination of oygen in fluorides and refractories by inert gas fusion, 21:27887 (AERE-R-4850)
  - Investigations on porous UO_2 spheres made by sol-gel process, 24:30023 (CONF-700502-, pp 510-20)
  - Urania aggregate and spheres by a sol—gel route, 23:3130
  - Urania-preparation of sols, aggregate, and spheres, 21:9212 (AERE-R-5241)
- HYDE, Kenneth Robert Manufacture of refractory compounds, 21:45993
- HYDE, Marcia Non linear least squares fit to multi-exponential component curves, 25:16794 (NYO-3661-34)
- HYDE, R. B. Prestressed concrete pressure vessels for nuclear power stations, 21:4386
- HYDE, Richard M. Prog. rpt. on development approach to study of immunologic tolerance, 4—12/70, 25:18302 (ORO-3792-3)
- HYDE, S. M. Oxidation of methyl oleate induced by ^{60}Co γ-radiation. II, 22:16597
  - Oxidation of methyl oleate induced by ^{60}Co γ-radiation. I, 22:16598
- HYDER, A. Surface barrier radiation detectors and channel multiplier structures by sputtering, 25:23790
- HYDER, A. K. Jr. Computer programs for the analysis of gamma-ray angular correlation measurements, 22:39680 (AD-664054)
  - Isobaric analog state with 1f/sub 7/2/ configuration in ^{37}Cl, 21:19209
  - Phosphorus-30 levels from the reaction ^{29}Si(p,γ)^{30}P. II, 24:15846
  - Properties of ^{30}P levels from the ^{29}Si(p,γ)^{30}P reaction. I, 21:31754
  - Reaction ^{36}S(p,γ)^{37}Cl and properties of ^{37}Cl, 22:29963
  - Second O^+, T = 1 level in ^{30}P, 21:42600
  - Study of the ^{36}S(p,γ)^{37}Cl reaction with bombarding energies in the 790-kev to 1820-kev range, 21:1067
- HYDER, Charles I. Strong coronal shocks and thermal solar x-ray bursts, 25:892
- HYDER, Charles L. Concentric ellipse multiple-arch system in the solar corona, 22:52319
  - Hα Doppler brightening and Lyman-α Doppler dimming in moving Hα prominences, 25:900
  - Phenomenological model for disappearing filaments followed by flarelike chromospheric brightenings. I, 22:911
  - Phenomenological model for disparitions brusques followed by flarelike chromospheric brightenings, 22:11175

  Polarization of emission lines in astronomy. VI, 23:8410
  Polarized light, magnetographs, and solar magnetic fields, 22:52315
  Transits of Mercury and the sizes of small solar features, 23:25077
HYDER, H. R. McK Radiation field of the Oxford coupled electrostatic generators, 23:52070
HYDER, M. Uptake of radioiodine by dogfish thyroid tissue, 22:14936
HYDER, M. L. A sol-gel thorium oxide with improved dissolving characteristics, 21:43670
  Curium process development. III-4, 24:5705 (DP-1142)
  Electrochemistry of berkelium in acidic aqueous solution, 24:38821
  Oxidation of Cf^{3+} in aqueous solutions, 23:19711
  Radiolysis of chloroform in the intense radiation pulse from a nuclear explosion, 22:40132
  Radiolytic reduction of uranyl ion, 23:43365
  Thermal neutron cross sections and resonance integrals for ^{244}Cm through ^{248}Cm, 25:48087
HYER, Ronald C. Eyeburn thresholds, 25:37890 (LA-4651)
HYLAND, A. R. 89 Herculis: F2 supergiant with large circumstellar infrared emission, 25:807
  Infrared observations of Nova Serpentis 1970, 24:35024
  Observations of the infrared object, VY Canis Majoris, 24:4884
  Rotation and the He line strengths in B stars, 21:26957
  Unusual infrared object IRC+10216, 24:8259
  Young clusters and peculiar A stars associated with them, 24:1121
HYLAND, G. H. Microscopic derivation of thermodynamic two-fluid of ^4He II, 25:49821
HYLAND, G. J. Determination of equilibrium condensate fraction in superfluid He, 24:26121
  Generation of quantized vortices in liquid ^4He II, 24:1365
  Proposal for measurement of He-II condensate, 25:17065
  Semiconductor reversible metal phase transitions, 25:14470
HYLAND, R. E. Cavity reactor critical experiment, 21:8063
  Cavity reactor critical experiment, 21:14073 (GEMP-473)
  Cavity reactor critical experiments, 23:11313
  Cavity reactor engineering mockup critical experiment, 22:32947
  Cavity reactor engineering mockup critical experiment, 25:28761 (NASA-CR-72409)
  Cavity reactor gas-core critical experiment, 22:6086
  Cavity reactor gas-core critical experiment, 22:44874 (NASA-CR-72329)
  Experimental results from large-cavity reactor critical experiment, 21:38696
  Flow mixing, reactivity effects in the gas core reactor, 25:41585
  Nuclear reactor core for a rocket, 22:35574
HYLAND, Robert E. Criticality study of meltdown configurations for nuclear aircraft reactors, 25:18199 (N-70-36660)
  Evaluation of critical mass for open-cycle, gas-core rocket reactor, 24:33468
  Evaluation of critical mass for open-cycle, gas-core rocket reactors, 24:52977 (N-70-29993)
  Evaluation of critical mass for open-cycle gas-core rocket reactors, 25:51196
  Reactor fuel element for a nuclear rocket motor, 22:42349
HYLLERAAS, Egil A. Bethe—Heitler formula for Bremsstrahlung, 21:33115 (AD-644613)
  Mathematical and theoretical physics. Volume I, 25:12048
  Mathematical and theoretical physics. Volume II, 25:12049
HYLTEN, Gunnar Investigation of $^{12}C(\gamma,n)^{11}C$ reaction for E/sub γ/ up to 1 GeV, 25:12413
HYLTON, D. B. Plutonium content of several internal organs following occupational exposure, 22:38265 (UCRL-18140, pp 103-22)
  Plutonium content of several internal organs, 23:41307
HYMAN, Chester Influence of hormones and tissues on thorium dioxide distribution, 23:26666
HYMAN, D. S. Hartree models of the superfluid helium film, 24:8415
HYMAN, David S. Evaporation from superfluid helium, 24:1351
  Evaporation of ^3He atoms from liquid ^3He—^4He mixtures, 24:47157
HYMAN, David Sheldon Ground state of the inhomogeneous bose liquid, 24:30283 (NYO-3699-42)
HYMAN, E. Comments on Yuta-Okubo eta asymmetry mechanism, 23:10738
  Dalitz-plot distribution of decays eta $\to \pi^+\pi^-\pi^0$ and eta $\to \pi^+\pi^-\gamma$, and the branching ratio eta $\to \pi^+\pi^-\gamma$/eta $\to \pi^+\pi^-\pi^0$, 24:45408
  Eta and eta' production near thresholds and backward charge-exchange differential cross section in π^--p reactions, 22:15689
  eta and eta' productions near thresholds in π^--p reactions, 21:879 (NEVIS-155)
  Experimental test of C invariance in eta $\to \pi^+\pi^-\gamma$, 22:41725
  Experimental test of C invariance in eta $\to \pi^+\pi^-\pi^0$, 22:41724
  Search for intermediate bosons in proton-nucleon collisions, 21:867 (NEVIS-153)
HYMAN, Ellis Minimum variance technique for the analysis of ionospheric data acquired in satellite retarding potential analyzer experiments, 22:36845
HYMAN, Emile Inverse μ capture with GeV neutrinos, 21:37670 (NEVIS-158)
HYMAN, Herbert H. Bibliography of noble gas chemistry, 1962—68, 24:9267 (ANL-7509)
  Hydrazinium(+2) and hydroxylammonium hexafluorouranates(V), 22:4102
  Safeguards training program at Argonne, 24:443
  Solution properties of some hexafluorides in anhydrous hydrogen fluoride, 21:35950
HYMAN, J. T. Use of interpretive software in high energy physics experiments, 25:53425 (RHEL/R-221)
HYMAN, Julius Jr. Characteristics of photoionization plasma source, 21:17232
  Expansion and diffusion of an isolated plasma column, 22:13511
  Free expansion of an isolated plasma column, 22:48081
HYMAN, L. anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:15471
  anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:49317
  Argonne National Laboratory—Carnegie Institute of Technology 25-cm bubble chamber—superconducting magnet system, 21:16127 (CONF-660918-, pp 264-5)
HYMAN, L. G. Conference on hypernuclear physics, Argonne, Ill., 5/69, 24:47365 (CONF-690557-(Vol.1))
  Conference on hypernuclear physics, Argonne, Ill., 5/69, 24:47466 (CONF-690557-(Vol.2))
  Improved cryogenic liquid-level sensor, 21:4724 (ANL-7243)
  Lambdaπ^- production from K^- interactions in He, 24:40273
  Mass measurements using the range—energy relation in a helium bubble chamber, 21:44287
  Measurement of K^- cascade time in liquid He, 24:47363 (CONF-690557-(Vol.2), pp 753-7)
  Meson + hyperon final states in K^-p interactions at 4.1 and 5.5 GeV/c, 21:17054
  New measurement of /sub $\Lambda/^3H$ lifetime, 22:22324
  Properties of /sub $\Lambda/^3H$, 24:24246
  Range—energy relation in helium, 24:37185
  Range—energy relation in hydrogen, 25:9166
  Reactions of stopping K^- in He, 24:32971
  Reactions of stopping K^- in He, 24:47382 (CONF-690557-(Vol.2), pp 862-84)
  Study of structure in antiproton—proton total cross section near 1.3 GeV/c, 22:26560
HYMAN, Milton Dental radiation, 22:49440
  Method of assaying x-ray developer activity, 22:40785
HYMAN, N. Carbon and N transfer in a type-316 stainless-steel, Nb—1 percent Zr, liquid-K system, 21:14792
  MCR liquid metal technology summary report, 22:32926 (GMAD-3078-32(Vol.2))
HYMAN, S. C. Thermal conductivity of hydrogen from 2,000 to 4,700°F, 21:36253
  Thermal properties of W to 5000 deg F, 21:11217 (N-66-19519)
HYMER, W. C. Characteristics of nuclear RNA polymerase from rat anterior pituitary tissue, 25:15439 (NYO-3827-18)
HYMER, Wesley C. Prog. rpt. on biomedical research, annual, 12/69, 24:11378 (NYO-3827-11)
  Prog. rpt. on nucleic acid metabolism in rat anterior pituitary glands, annual, 3/67—2/68, 22:12175 (NYO-3827-3)
HYMMEN, U. Field control pictures with gamma radiation, 25:44871
HYMMEN, Ursula Comparison of high-energy radiation applied through plaster casts, 25:13539
  Depth therapy with a moving beam of fast electrons, 23:38595
  Megavolt therapy of malignant neoplasms of the stomach, 25:13532
HYNDMAN, R. D. Heat flow and surface radioactivity measurements in Precambrian shield of western Australia, 22:25521
HYNDMAN, R. W. Application of a medium-scale digital computer to operational support of EBR-II, 25:51056
  Catalog of rod-drop and transfer-function data from EBR-II runs 25 through 30A. EBR-II Project, 25:10173 (ANL-7542)
  Computer-aided experimental support, 25:51057
  Description of software for the EBR-II digital data acquisition system, 25:23293 (ANL-EBR-33)
  EBR-II feedback function, 23:9130 (ANL-7476)
  EBR-II: Digital Data Acquisition System study, 23:52328 (ANL-EBR-1)
  Effects of over-cooled stainless steel reflector on EBR-II power coefficient, 23:40330 (ANL-7544)
  Functional description of EBR-II digital data acquisition system, 25:23292 (ANL-EBR-29)
  On-line feedback analysis at EBR-II, 25:41551
  On-line method of transfer function analysis in EBR-II, 23:11188
  Performance of the EBR-II reactor, 24:33357
  Prompt feedback reactivity in EBR-II, 24:7093
  Prototype analog reactivity meter for EBR-II, 25:26014 (ANL-7700)
  Recent operating experience with EBR-II, 24:22421
  Transfer function analysis of EBR-II, 22:5973
HYNDS, R. J. Low-energy proton measurements in interplanetary space, 25:27559
  Penetration of low-energy solar protons to low geomagnetic latitudes, 24:47145
  Penetration of solar protons over the polar cap during the February 25, 1969, event, 25:43232
  Recent measurements of inner-belt protons, 24:42600
HYNECEK, J. Interaction of plasma clusters with an axially symmetric magnetic field, 23:25324
HYNEK, J. Space-velocity vectors for 3483 stars, 22:41213
HYNEK, J. A. Stellar multiplicity: an aspect of the observational approach to stellar evolution, 22:43734
HYNEK, S. J. Forced-convection dispersed-flow film boiling, 23:33321 (DSR-70586-63)
HYNES, James T. Quantum corrections to time correlation functions, 22:29242
HYNES, M. A. Pion beam for radiobiological and dosimetric studies, using a proton synchrotron external target, 25:45839 (RPP/R-8)
HYNES, Thomas V. Nuclear magnetic resonance study of β-rhombohedral boron and boron carbide, 25:45611
HYNIE, I. Influence of x radiation and mustard gas on erythrocytes, 23:9848
HYODO, Ohiko Fuels for high-temperature gas-cooled reactors, 25:23290
HYODO, Tomonori Backscattering of gamma rays from polyethylene, aluminum, and lead slabs, 22:17719
  Backscattering of gamma-rays from semi-infinite stratified slabs of alternating tin and aluminum layers, 22:52843
  Estimation of photofractions of very large NaI(Tl) scintillators, 21:34485
  Radial distribution of photons backscattered from the surface of semi-infinite scatterer, 23:29173
  Semiempirical formula for albedo of alternating layers, 23:23983
  Transmission of gamma-rays from ^{60}Co monodirectional source through slabs of polyethylene and iron, 22:48145
HYODO, Toshio Effect of diffraction of annihilation γ rays on their angular correlation in a single crystal specimen, 25:50020
HYODO, Yasuko Effect of x-irradiation on phosphatase activity in the intestine of the goldfish, Carassius auratus, at different temperatures, 21:24338
HYODO-TAGUCHI, Y. Rate of development of intestinal damage in the goldfish after x-irradiation and mucosal cell kinetics at different temperatures, 22:49540
HYODO-TAGUCHI, Yasuko Autoradiographical studies on spermatogenesis in fish, Oryzias latipes, with special reference to radiation effects on fertility of fish, 23:913
  Dose-survival time relationship after x-irradiation, 24:36818
  Effect of x-irradiation on DNA synthesis, 24:19304
  Effects of β-rays on gonad formation in Oryzias Latipes, 25:24379
  Effects of x-irradiation on goldfish, 23:43864
  Hermaphroditic gonads produced in O. latipes by x radiation during embryonic stages, 23:45910
  Intestinal radiation injury and recovery in fish, 24:12291
  Mortality of fish under continuous irradiation conditions, 25:42634
  X ray effects on testis of the goby, 25:46992
HYODO-TAGUCHI, Yosuko Effects of fractionated whole-body x irradiation on cell proliferation in goldfish, 24:32159
HYRE, H. M. Cesium-137 gamma irradiator for breeding and physiological studies, 21:34409
  Effect of γ-irradiated avian semen on reproductive performance, 24:2770
HYRNKIEWICZ, A. Z. Sum-coincidence method for g-factor measurements of short-lived excited nuclear states, 22:9848 (INP-569/PL)
HYSELL, D. K. Skin and carbon dioxide laser radiation, 23:22400
HYUN, Jai Sun Biological effects of gamma ray on silkworm, 23:5014
  Effects of γ-ray irradiation on the pupal mortality and hatchiability of the rice stem borer (Chilo suppressalis Walker), 22:36397
  Present status and potential use of the sterile-male technique for control of rice stem borers, 24:32303
HYUN, Kyung Ho Multi-plate ionization chamber with gamma-compensation and guard-ring electrodes, 22:38021
  New technique for burst cartridge detection, 24:36039
  Nuclear reactors, 23:19963
  Radiation detecting systems, 23:35476
  Radiation detectors, 21:1638

I

IACHELLO, F. Contribution of the spin—exchange effects to the nuclear magnetic moments, 21:4339
  Meson finite size effects in mesonic atoms, 25:55831
IACHELLO, Franco Extension of the theory of intermediate structure, 24:43485
  K_{l3} form factors and the scaling behavior of spin-0 fields, 25:40949
IACHETTA, F. A. Convection heat transfer in a heat-generating fluid, 23:35414
  Thermal development of heat-generating fluid, 23:38168
IACHETTA, Fulvio Antonio Application of Langmuir probe to measurement in flowing collisionless plasma, 22:11426
IACI, G. Conversion $^3S \to {}^1S$ of positronium in the ice—water system, 23:14626
  Fast-slow coincidence system, 23:640
  Hyperfine energy splitting of positronium measured in water, 23:1181
  Transistorized time-to-amplitude converter, 21:10703
IACOB, P. Influence of artificial radiation on mucous membrane of the lip, 23:29848
IACOB, T. Correlation between ^{131}I thyroid uptake and electro-encephalogram in poliomyelitis sequelae, 22:43246
IACOMI, R. Stars (β) and mixed (α, β) multiple stars, 23:8983
IACOVONI, F. Water level regulator for a steam generator in a marine reactor power plant, 24:9157 (RT/ING-(69)4)
IAFRATE, G. J. High-order perturbation theory and Pade approximants for one-electron ion, 24:45061
IAFRATE, Gerald J. Calculation of ionization potential of various atoms, 21:9321
  High-order perturbation theory for a one-electron ion immersed in a plasma, 25:14283 (AD-710950)
  High-order perturbation theory for bound states of an electron in screened Coulomb potential, 23:46292
IAFRATE, Gerald Joseph High-order perturbation theory for a one-electron ion immersed in a plasma, 25:22522

- IAGOLNITZER, D. S matrices, 24:10851
- IAGOLNITZER, Daniel S-matrix and classical description of interactions, 23:39856
- IAKIM, S. M. External ionizing radiation on the biological activity of penicillin. I, 21:26697
- IAKUSHINA, A. I. Effect of structure and test conditions on the mechanical properties of low-alloy molybdenum, 25:45037
- IALONGO, G. Angular distribution of the outgoing electrons in electronic ionization, 22:50025
- IALONGO, Gilbert Penetration of solar wind H to 300 km, 24:8281 (AD-693126)
- IALONGO, Gilberto Thick-target bremsstrahlung from electrons with energy spectrum and angular distribution, 24:40658 (AD-701380)
  - Unified model for nuclei ^{201}Tl, ^{198}Hg, and ^{197}Au, 21:42719
- IAMMARTINO, Albert J. Ultraviolet light-induced changes in ribonuclease conformation, 25:55137
- IANCU, I. Alterations in activity of 1 glutamate NAD oxidoreductase under influence of ionizing radiations and in tumors, 24:27542
  - Radioinduced sarcomas, 25:42705
- IANCULOVICI, B. Dynamic polarization in electron-irradiated polycarbonates, 24:16568
- IANDELLI, A. Binary phase diagrams of Yb with Cu, Ag, and Au, 25:32733
  - Occurrence of MX_2 phases of rare earths with IB, IIB, and IIIB group elements and their crystal structures, 22:36492
  - Ytterbium—gold system, 23:34008
  - Zinc-rich phases of the rare earth—zinc alloys, 21:20530
- IANDELLI, Aldo Structure of intermetallic compounds of rare earths of the formula MSn_2, 21:16623
- IANELLI, J. R. Characteristics of radioresistance of Micrococcus radiodurans, 21:30932 (NYO-3319-12)
- IANLONGO, G. Semi-microscopic description of odd-mass Tl and Au spectra, 21:25563
- IANNA, Philip A. Spectroscopy of stars in galactic cluster NGC 1039 (M34), 24:51280
- IANNA, Philip Anthony Galactic cluster NGC 1039, 24:1117
- IANNELLI, Armando A. Notched properties of high-strength alloys, 21:14815 (AMRA-TR-66-13)
- IANNI, P. W. Effectiveness of core standby cooling systems for general electric boiling water reactors, 22:50701 (APED-5458)
  - Metal—water reactions: effects on core cooling and containment, 23:47220 (APED-5454)
  - Systems approach to design of engineered safeguards for BWR's, 22:32859
- IANNINI, J. Boron-loaded nuclear track plates as detector elements for spherical moderator type neutron monitors, 24:25273
- IANNUCCI, J. Temporal and spatial origin of hot ions in turbulent heating of a plasma, 24:42655
- IANNUZZI, M. Coherent forward scattering of microwaves from density fluctuations in alkali plasmas, 22:41602
  - Electron spin resonance in gaseous plasmas, 24:6540
  - Electrostatic instabilities in charged sheets, 21:29694
  - Experiment on destruction of coherent motion in a quiescent plasma, 21:35157 (CONF-670104-Pt.2, pp 361-9)
- IANO, P. J. Deuteron stripping on deformed nuclei, 21:2791
  - Validity of perturbation approach to two-step stripping, 23:23760
- IANO, Peter Joseph Deuteron stripping on deformed nuclei, 21:19341
- IANOVICH, E. Behavior of radioactive Re atoms in thermal annealing of crystalline Re salts, 25:57497
  - Chemical behavior of radioactive atoms of rhenium in process of thermal annealing of crystals of NH_4ReO_4, irradiated by protons with energy of 660 MeV, 24:244
  - Chemical forms of stabilized atoms of radioactive rhenium formed by irradiation of certain inorganic rhenium compounds by 660-MeV protons, 24:38947
- IANOVICH, M. Geometry of magnetic channels for synchrocyclotrons and cyclotrons, 24:22028 (JINR-E9-4915)
  - Magnetic field of thick finite dc solenoids, 25:18829 (JINR-P9-5441)
  - Magnetic field of uniformly magnetized cylindrical configurations, 22:5467 (JINR-P9-3542)
- IANOVICI, E. Chemical forms of stabilized atoms of radiorhenium formed by irradiation of some Re compounds with protons at 660 MeV, 24:2258
  - Thermal annealing behavior of radiorhenium recoils formed by proton irradiation of sodium hexachloroiridate, 24:20789 (JINR-E6-4916)
- IANOVICI, Eugenia Chemical state of radiorhenium formed in some inorganic Ir compounds irradiated with 660-MeV protons, 25:2300
  - Thermal annealing of crystalline rhenium compounds irradiated with 660 MeV protons, 23:47576
- IANOVICI, M. 8 MeV betatron with improved magnetic circuit, 24:26555
  - Calculation of the geometry of magnetic channels for synchrocyclotrons and cyclotrons, 24:40522
  - Fixed-field, alternating-gradient particle accelerators, 21:23388
  - Magnetic field of dc coils of cylindrical configuration, 24:22049
  - Magnetic field of thick finite dc solenoids, 25:47696
  - Second-order approximation to the magnetic field of magnetized cylinders and annular shims, 22:25707
- IANOVICI, V. Contribution to the identification of metamict minerals, 25:21213
  - Radioactive elements in crystalline formations of the Eastern Carpathians, 22:42860
- IANSITI, E. Inspections of nuclear reactor vessels from point of nuclear safety, 22:30798
  - Nuclear plant siting from the point of view of engineering safety evaluation, 22:18445
  - Performance of nuclear reactor internals, 24:28991
- IANSITI, Enzo Solutions of safety problems encountered in operation of Italian nuclear power plants, 25:53972 (A/CONF.49/P-173)
- IANSON, Galina Contribution to study of binary system Ag_2O—Ta_2O_5, 22:33358
- IANTUONO, A. Evaluation of an LN_2-temperature solid state spectrometer for rocket borne experiments, 25:18654
  - Rocket-borne celestial x-ray proportional counter system, 25:39707 (UCRL-51007)
- IAPTEFF, B. Ionization gauges employing radioactive source, 23:35452
  - Measurements and calibrations at pressures between 10^{-5} and 10^{-12} torr, 25:18878
  - Study of hot cathode magnetron gauges, 24:48256
- IBA, Shozo Gonadal exposure in radiation treatment. II, 25:44803
- IBADINOV, Kh. Matter ejection from the tail of Bennett's comet (1969 i), 25:47272
- IBADOV, S. Plasma electron source from a hollow cathode, 22:52503
- IBANEZ, P. Response of San Onofre Nuclear Generating Station to earthquakes, 25:54002 (UCLA-ENG-7151)
  - San Onofre Nuclear Generating Station vibration tests, 25:44079 (UCLA-ENG-7037)
  - San Onofre Nuclear Generating Station supplementary vibration tests, 25:48137 (UCLA-ENG-7095)
- IBANEZ, Paul Analog simulated earthquake response of the experimental gas-cooled reactor, 24:7145
  - Seismic vibration tests at the San Onofre nuclear generating station, 24:33227
- IBARAKI, Tokuhiko Radiation source container, also serving as an irradiation device, 22:48989
- IBARAKI, Yasuyuki Inspection of γ-ray source purity by absorber method, 21:45437
- IBARRA, H. Iterative approach to a space—time nonlinear problem, 24:11292
- IBARRA, H. Jr. Thermal-neutron spectrum measurements by foil activation, 21:34488
- IBARRA, R. H. Shell-model continuum in nuclear bound states, 24:38181
- IBARRA, Rufino Herrera Form factors for particle transfer reactions, 24:20449
- IBARRA, S. Case of radioinduced cutaneous cancer of both hands, 24:12317
- IBATA, T. Pulse radiolysis of liquid amides, 25:44397
  - Sites of attack of hydroxyl radicals on amides in aqueous solution, 24:36310
- IBATA, Toshikazu Gamma-radiolysis and photolysis of α-diazoacetophenone in various solvents, 22:4176
  - Wolff rearrangement. V, 23:26230
- IBATULLIN, M. S. Cesium-137 concentration in human hair as an indicator of amount of isotope in body, 23:18003 (AEC-tr-7030, pp 149-51)
  - Cesium-137 in lichen-reindeer man in the extreme north of the USSR, 1962—68, 25:11037 (NP-18381)
  - Cesium-137 in the human hair, 21:20191
  - Cesium-137 in the lichen-reindeer-man chain in USSR, 25:39852 (AEC-tr-7232, pp 27-44)
  - Cesium-137 metabolism in man, 23:43664
  - Radiation-hygienic conditions in the Far North, 1959—65, 23:14150 (AEC-tr-7000)
- IBATULLIN, S. S. Statistical parameters of metabolism of ^{137}Cs of global origin among inhabitants of Arctic regions, 23:6337 (A-AC-82/G/L-1183)
- IBBERSON, V. J. MHD plant, combustion techniques, and seeding. VII, 22:5190
  - MHD research, 23:22965
  - Temperature and velocity modulated MHD systems, 21:37232
- IBBETT, R. D. Determination of ^{90}Sr in environmental materials by ion exchange and preferential chelation techniques, 21:34219
- IBBOTT, G. S. Depth dose measurements with lithium fluoride, 22:31086
  - Effects of total dose on energy dependence of TLD-100 LiF dosimeters, 22:28184
  - LiF depth-dose measurements, 22:28533
- IBBOTT, Geoffrey S. Record-keeping in a radiation safety office by timesharing digital computer, 25:54984
  - Uv-induced changes in residual thermoluminescence from γ-irradiated LiF, 23:48975
- IBE, L. D. Core and reflector temperature parametric effects on the criticality of a high-leakage thermal reactor, 22:5745
- IBE, Librado D. Core and reflector temperature parametric effects on criticality of a high-leakage thermal reactor, 22:39885
  - Program of international cooperation between the Phillippine AEC and the Univ. of Virginia, 23:4321
  - PRR-1 and development of atomic energy in the Philippines, 25:54191 (A/CONF.49/P-787)
- IBEL, K. Theory of a velocity focusing instrument for neutron small angle scattering, 25:23918
- IBEN, I. Age and initial helium abundance of globular cluster stars, 23:46235
  - Ratio of horizontal-branch stars to red giant stars in globular clusters, 24:10222
  - Surface He abundance in horizontal branch and halo B stars, 21:33093
- IBEN, I. Jr. On the evolutionary status of stars above the horizontal branch in globular clusters, 25:8992
- IBEN, Icko Jr. Abundances of ^{3}He and ^{4}He in the initial Sun, 25:7041
  - Age and initial He abundance of stars in the globular cluster M15, 23:1079
  - Age and initial helium abundance of extreme population II stars, 22:41245
  - Age-helium content correlations for two low-mass field binary systems, 21:575
  - Central convection and solar neutrinos, 23:12489
  - Central convection and solar neutrinos, 23:14540
  - Comments on the instability strip for halo population variables, 25:58440
  - Conjecture concerning the transition period for variable stars, 25:49607
  - Effect of ^{7}Be K capture on solar neutrino flux, 22:11148
  - Electron conduction in red giants, 23:5101
  - Globular-cluster stars, 24:35057
  - Heavy-element abundances and the interpretation of globular cluster characteristics, 22:29015
  - Helium abundance in envelopes of bluest RR Lyrae stars in globular clusters, 25:808
  - Low-mass red giants, 23:5102
  - Metal-poor stars. III, 24:42323
  - Metal-poor stars. I, 24:15022
  - Solar neutrino experiment and solar helium abundance, 23:46226
  - Solar neutrinos and the solar He abundance, 22:52460
  - Specification of the blue edge of the RR Lyrae instability strip, 25:30096
  - Stellar evolution: comparison of theory with observation, 21:18399
  - Stellar evolution. VI, 21:16772
  - Stellar evolution. VII, 21:16773
  - Time-constant loci and theoretical luminosity functions for metal-deficient clusters, 24:51257
  - Unimportance of bound electrons in influencing nuclear-reaction rates, 24:8247
  - Variation of globular-cluster characteristics with age, 22:52402
- IBERS, James A. Diffraction and spectroscopic studies of cobaltic acid system $HCoO_2$—$DCoO_2$, 23:21683
  - Direct determination of the effect of isotopic substitution on bond lengths in solid oxalic acid dihydrate, 21:80
  - X-ray study of α-oxalic acid dihydrate, $(COOH)_2.2H_2O$, and of its deuterium analogue, $(COOD)_2.2D_2O$, 24:13853
- IBERSON, E. Influence of surface films on the wetting of transition metals by molten sodium, 23:20473
- IBERT, E. R. Tritium production from nitrogen in fission reactors, 24:47885
- IBI, Tamiko Gamma—gamma perturbed angular correlations in ^{154}Gd, 25:31344
- IBLEY, W. A. Hardening of MgO single crystals by electron and neutron irradiation, 23:32567
- IBRAEV, R. A. Interpretation of uranometric anomalies in arid regions by means of $^{234}U/^{238}U$ isotopic ratio, 22:18914 (AWRE-Trans-55)
  - Uranium anomalies in arid regions, 21:36115
- IBRAEV, T. A. Determination of the pre-atmospheric dimensions of meteorites from the effects of nuclear reactions produced by cosmic rays, 25:32874
  - Determinations of the dimensions of meteorites before they reach the atmosphere by means of the effects of cosmic radiation-induced nuclear reactions, 22:11111
  - Distribution with depth of radioactive particles in iron meteorites, 21:12534
  - Effects of nuclear reactions with cosmic rays in cosmic bodies, 22:4940
  - Lunar and meteorite radioactivity, 24:3058
- IBRAGIMOV, A. P. Amino acids and peptides radiation chemical properties by means of EPR method, 22:28364
  - Change in the nucleotide composition of the DNA of cotton seeds under the action of ^{60}Co γ rays, 21:8692
  - Changes in carbohydrates and organic acids in leaves and roots of cotton and maize plants in dependence on the dose of presowing gamma irradiation of seeds, 25:27074
  - Effect of gamma irradiation on the physicochemical properties of cottonseed oil, 22:21127
  - Effect of gamma-radiation on properties of extracted cottonseed oil for preparation of K-5 drying oil, 25:41839
  - Effects of gamma radiation on intensity of photosynthesis in higher plants, 22:588
  - Gamma radiation effects on pyrimidine oligonucleotides in low-polymer fraction of DNA, 25:11307
  - Gamma radiation effects on saccharose, 22:45110
  - Gamma-irradiation after effects on the nucleotide composition of RNA in a cotton plant, 21:34586
  - Influence of various doses of ^{60}Co γ rays on ^{14}C absorption during photosynthesis, 22:23468
  - Physicochemical properties of DNA of cotton seedlings after γ irradiation of seeds, 25:44765
  - Protective effects of aromatic amino acids, 22:2125
  - Quinone formation in irradiated cotton seeds, 22:6733
  - Radiation chemical characteristics of certain peptides, 22:45417
  - Radiation effect on distribution of ^{14}C, 23:22236
  - Radiation effects on amino acyl-tRNA synthetases and tRNA of cotton plant, 25:29715
  - Radio-chemical transformation of solid glucose exposed to ^{60}Co γ radiation, 22:18812
  - Radiochemical studies of some amino acid and peptide solutions, 21:26347
  - Sugar and amino acid ratios in cotton and corn plants, 23:22223
- IBRAGIMOV, Kh. P. Influence of gamma-radiation on the properties of furan cationic exchange resins, 25:51485
- IBRAGIMOV, M. Kh. Calculation of the statistical characteristic of the stochastic temperature field in plates during turbulent heat exchange, 22:21277
  - Device for automatic readout and punching of experimental data, 22:43150 (FEI-112)
  - Distribution of shearing stress and turbulent exchange coefficient in the flow of liquid metals in magnetic fields, 23:8517
  - Influence of magnetic fields on the turbulent characteristics of liquid metal flow, 23:8516
  - Measurement of the velocity and temperature of a liquid metal coolant, 23:4457 (ANL-Trans-690)
  - Method of calculating the coefficients of turbulent heat transfer in channels of a complex form, 25:20844 (AEC-tr-7186)
  - Method of temperature non-uniformity calculation in fuel element bundles cooled with liquid metals, 22:44865
  - Random thermoelastic stresses walls caused by temperature fluctuation, 21:16067
  - Temperature field in a nonisothermal two-phase flow, 25:21244
  - Velocity and temperature of liquid metal coolant, 23:4766

IBRAGIMOV, N. Kh. Group properties of wave equations for zero mass particles, 22:20312
  Invariant variational problems and conservation laws, 24:30567
IBRAGIMOV, S. I. Radiosensitivity of cotton grown from irradiated wet seed, 21:30925
IBRAGIMOV, Sh. I. After-effects of cotton seed treatment with γ rays, 22:40956
  Efficiency of ionizing radiation in cotton breeding, 23:45700
  Valuable mutants obtained as a result of irradiation of cotton plants, 22:51503
IBRAGIMOV, Sh. Sh. Effect of neutron irradiation on certain properties of tungsten, 21:31063
  Effect of neutron radiation on the structure and properties of uranium alloys containing 0.6 to 9 percent molybdenum, 21:43647
  Effect of plastic deformation on behavior of neutron-irradiated metals, 21:20541
  Effect of radiation on the properties of structural materials, 23:51077 (JPRS-48331, pp 495-511)
  Electron-microscopic examination of Ni irradiated with α particles, 25:13728
  Experience gained from operation of BR-5 reactor, 1964-5, 22:18571
  Hematite concrete for shielding from high neutron fluxes, 24:39735
  Influence of neutron irradiation on the grain growth of U, 24:19476
  Post-irradiation study of BR-5 standard fuel elements containing UC, 25:20791
  Radiation resistance of shielding materials, 23:46541
  Radiation stability of serpentine concrete, 25:790
IBRAHIEM, N. Decay of ^{161}Dy, 22:44700
  Nuclear level structure of ^{99}Tc, 23:13292
IBRAHIM, E. F. In-reactor creep of zirconium-alloy tubes, 24:34927
  Stress—rupture properties of heat-treated zirconium—2.5 percent niobium alloy, 23:41599 (AECL-3361)
IBRAHIM, I. A. Polymorphic behavior of thin evaporated films of zirconium and hafnium oxides, 24:27897
IBRAHIM, M. S. Technetium-99m in the study of thyroid disorders, 23:5002
IBRAHIM, M. Salah Iodine metabolism in endemic goitre in countries of the Middle East. I, 22:14918
IBRAHIM, M. Z. M. Delayed radiation effects in brains of monkeys exposed to x and γ rays, 22:51932
  Effects of radiation on the hypothalamus in monkeys, 22:49497
  Synthetic and hydrolytic enzymes of glycogen in the normal and the irradiated rat brain, 24:44438
IBRAIMOV, N. S. Application of Moessbauer effect in the investigation of superconducting alloys, 21:9522
IBRAZIMON, A. P. Radiolysis of peptides in γ-irradiated aqueous solutions, 21:6433
IBRAZIMOV, M. Kh. Influence of transverse magnetic field on the velocity profile in circular pipes, 22:41428
ICE, C. H. Production of transplutonium elements, 21:15915 (DP-MS-66-69)
ICE, Rodney D. Beta radiopharmaceutical identification by quench analysis, 25:52135
  Establishment of a university radiation safety office, 25:42503
ICHIDA, Taizo Alternating copolymerization of CO and ethylenimine by azobisisobutyronitrile or γ irradiation, 21:34293
ICHIHARA, Kooichi Particle-accelerating device, 22:35183
ICHII, Shogo Effect of whole-body x-irradiation on α-glucan phosphorylase activity in livers of intact and adrenalectomized rats, 22:40569
  Effect of whole-body x-irradiation on cortisol-induced glyconeogenesis in livers of adrenalectomized rats, 22:40834
  Effect of whole-body x-irradiation on microsomal system in rat liver, 23:41252
  Effects of ACTH and whole-body x irradiation on concentrations of enzymes, nicotinamide nucleotides, and cytochromes in rat adrenal, 22:14957
  Effects of radiation on RNA in rat tissues, 23:2786
  Effects of whole-body x-irradiation on nuclear RNA polymerase activities, 23:17933
  Effects of x-irradiation on incorporation of ^{3}H-orotic acid into nuclear RNA fractions of rat liver, 23:41250
  Lipid peroxidation in tissues of x-irradiated rats and effects of adrenalectomy, 23:41253
ICHIJIMA, Isamu Determination of oxygen in steel by neutron activation analysis, 24:31277
ICHIKAWA, F. Co-precipitation of carrier-free ^{31}Si with hydroxides, 25:10675
ICHIKAWA, Fujio Behavior of carrier-free radioisotopes. II, 21:17696
  Behavior of carrier-free radioisotopes. III, 23:47451
  Behavior of carrier-free radioisotopes. IV, 24:33751
  Studies on accumulation of radioactive materials on fishing-nets, 25:46806 (JAERI-13710)
ICHIKAWA, Haruko Base-change mutagenesis and prophage induction in strains of Escherichia coli with different DNA repair capacities, 25:13421
  Mutagenicity versus radiosensitivity: target consideration, 25:6668 (CONF-691106-, pp 280-96)
  Phage induction by uv radiation in E. coli, 23:2988
  Phage induction by uv radiation in E. coli, 23:5059
ICHIKAWA, Kenji Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
ICHIKAWA, Kouichi Measurement of the polarization of synchrotron radiation, 23:3868
ICHIKAWA, M. Neutron activation analysis of U in human bone, drinking water, and daily diet, 25:46457
ICHIKAWA, Masaru Activation of molecular H over negative ions of metal-tetraphenylporphin films, 24:29243
  Behavior of hydrogen chemisorbed over the electron donor—acceptor complexes of aromatic hydrocarbons with sodium in the hydrogen exchange and hydrogenation reactions, 22:42679
  Hydrogen absorption and hydrogen exchange reactions in solution by 1:2 electron donor-acceptor complexes of anthracene with various alkali metals, 25:34578
  Reactivity of electron donor-acceptor complexes. VII, 21:27950
ICHIKAWA, Michio Analysis of instrumentation data from IFA-150 irradiated in HBWR, 25:28692 (JAERI-Memo-4248)
  Columnar grain growth in center line heated UO_2 pellet, 25:29976 (JAERI-Memo-4249)
  Irradiation behavior of UO_2 pellet for light water reactor, 25:49571 (JAERI-Memo-4373)
  Irradiation of natural UO_2 pellets, 22:13079
  Microstructure of UO_2 pellets irradiated at high temperature, 21:16661
  Phase study of the system UO_2—Dy_2O_3, 25:29975 (JAERI-1203)
  Report on fuel irradiation testing at HBWR, No. 3, 25:51245 (JAERI-13750)
  Segregation of fission products in natural UO_2 pellets, 22:52297
  Uranium dioxide fuel pin elongation behavior under irradiation, 25:58414
ICHIKAWA, R. Nuclide metabolism in juvenile mammals, 24:23080 (CONF-690501-, pp 217-26)
  Radioactive waste management in Japan, 25:21346
ICHIKAWA, Riei Effect of Fe and Si on age hardening properties of supersaturated solid solutions of Al—Zr alloy by rapid solidification, 24:42129
  Effects of cooling rate and supercooling degree on Al—Mn, Al—Cr, and Al—Zr alloys, 25:55550
  Effects of Cu, Mg, Mn, Si, and Zn on age hardening of chill cast Al—1 percent Zr alloy, 25:16511
  Supercooling in the solidification of Al—Cr, Al—Mn, and Al—Zr binary alloys, 25:2733
ICHIKAWA, Ryushi Accumulation and retention of ingested ^{106}Ru by genuine goby, 23:50321
  Accumulation and retention of ingested ^{106}Ru by genuine goby, 24:31901
  Cesium-134 in young and adult rats, 22:36163
  Comparative study on retention and distribution of ^{137}Cs and ^{86}Rb in rats, 22:25762
  Effect of K, lactose, and thyroxine administration on radiocesium retention, 24:2563
  Effect of prolonged breast-feeding on radiocesium retention, 24:2562
  Fallout ^{137}Cs in beer, 23:41312
  Fallout ^{90}Sr in beer, 25:13434
  Lead-210 content in foodstuff and its dietary intake in Japan, 22:45520
  Problems of marine disposal of radioactive waste, 25:4316
  Protection against radioactive contamination of sea, 23:4755
  Radioactive strontium and alginic acid, 23:43676
  Secretion rate of dietary iodine into human milk, 22:45405
  Strontium-85 and ^{45}Ca uptake by rat from brown seaweeds, 22:45399
  Transfer of ^{137}Cs through placenta and milk in mice, 23:14043
ICHIKAWA, S. A developmental study of diploid oats by means of radiation-induced somatic mutations, 21:30800
  Chromosome number in radiation-induced mutants of Chrysanthemum morifolium, 25:11031
  Morphologically abnormal cells, somatic mutations, and loss of reproductive integrity in irradiated Tradescantia stamen hairs, 23:45953
  Radiation-induced loss of reproductive integrity in Tradescantia blossfeldiana, 21:39529
  Radiation-induced loss of reproductive integrity in the stamen hairs of a polyploid series of Tradescantia species, 22:10742
  Radiation-induced mutants in a Japanese wheat variety, 21:10835
ICHIKAWA, Sadao Cell division rates in γ-irradiated Tradescantia virginiana L, 22:43289
  Chromosomes controlling gamma-ray-induced mutant characters in a Japanese variety of common wheat, 22:480
  Elimination of x-ray induced aberrant chromosomes in the root meristems of two-rowed barley, 22:36231
  Elimination of x-ray-induced aberrant chromosomes in the root meristems of two-rowed barley, 22:10886
  Gamma-ray-induced mutants in Japanese wheat, 22:479
  Radiobiological studies on plants. IV, 21:20148
  Radiobiological study in the stamen hairs, 23:50933
  RBE of fast neutrons and gamma rays in stamen hairs of Tradescantia, 24:50822
  RBE of fast neutrons and gamma rays in presoaked seeds of Triticum boeoticum Boiss, 24:51097
ICHIKAWA, T. Observations of M arc at Moscow, Idaho, USA, 23:27470
  Relationship between monochromatic auroral arc 6300 A and visible aurora, 24:5095
  Trapped positive holes in γ-irradiated 3-methylpentane systems, 23:13794
ICHIKAWA, Takahisa Electron spin resonance of trapped free radicals and the photoinduced radical conversion in γ-irradiated isotactic polypropylene, 21:25887
  ESR of radical pairs in irradiated polymers. The ΔM = 2 transitions, 21:19671
  Pairwise trapping of radicals in irradiated high polymers as studied by electron spin resonance, 23:21752
  Pairwise trapping of radicals in irradiated n-hydrocarbons and related compounds as studied by electron spin resonance, 23:21753
ICHIKAWA, Wataru Method of non-destructive testing, 23:38217
  Transparent radiation-shielding plate, 24:19939
ICHIKAWA, Y. Application of thermoluminescence of natural quartz to accident dosimetry, 23:7863 (CONF-680920-, pp 910-16)
  Conductivity of a plasma with random and coherent fluctuations, 23:46475
  Up-take of tritiated thymidine by ^{60}Co-irradiated mouse bone-marrow cells treated with homologous bone marrow, 21:424
ICHIKAWA, Yasuo Feedback inhibition of the development of macrophage and granulocyte colonies. I, 22:28318
  Production of the inducer for macrophage and granulocyte colonies by leukemic cells, 23:50814
ICHIKAWA, Yoichi Measurement of ^{14}C and ^{3}H with liquid scintillation counter, 21:30365
  New phenomenon of usefulness in the radioimmunoassay of plasma adrenocorticotropic hormone, 25:26675
  Simultaneous determination of ^{14}C and ^{3}H with liquid scintillation counter, 21:30366
ICHIKAWA, Yoneta Accident dosimetry by thermoluminescence of feldspar separated from sands, 23:26598
  Accident dosimetry by thermoluminescence of feldspar, 24:29581
  Properties of $MgSO_4$:Mn thermoluminescence dosimeters, 21:6510
  Synthesis of defects in irradiated quartz, 22:33464
  Thermoluminescence of natural quartz irradiated by gamma rays, 22:17746
ICHIKAWA, Yoshi H. Collective approach to kinetic theory of plasmas, 24:23999
  Effects of collisions on spatial plasma wave echoes, 24:21814
  Effects of collisions on temporal plasma wave echoes, 23:39515
  Effects of ion bursts on ion acoustic waves, 24:49206
  Electric conductivity of weakly turbulent plasmas, 25:19685
  Interaction of test waves and trapped particles in a collisionless electron plasma, 24:30341
  Plasma wave echo in a weakly turbulent plasma, 24:28370
ICHIKAWA, Yoshi-hiko High-frequency conductivity of a plasma with fluctuations, 24:8474
ICHIKI, S. K. Infrared absorption by hydrogen bonds in single crystal KH_2PO_4, KD_2PO_4, and KH_2AsO_4, 22:16532
  Stimulated emission from the upper-hybrid resonance in a magnetoplasma, 21:33420
ICHIKI, Tadaharu Seismological design of BWR plants, 23:13930
ICHIMARU, Michito Chronic lymphocytic leukemia in Hiroshima and Nagasaki, 23:16334
  Epidemiological studies of leukemia in nine towns, 23:43844
  Leukemia in atomic bomb survivors, Hiroshima and Nagasaki, 25:21923
  Leukemia in survivors of atomic bombing. II, 24:32140
  Lymphatic diseases of atomic bomb survivors, 22:4649
ICHIMARU, S. Kinetic-theoretical approach to the fluctuations in weakly turbulent plasmas, 22:31816
  New approach to the theory of a turbulent plasma, 21:37507
  Plasma turbulence as a mechanism of pulsar radiation, 24:35079
ICHIMARU, Setsuo Anomalous contribution of low-frequency, long-wavelength fluctuations to spatial diffusion of plasma in magnetic field, 25:38355 (CONF-710607-73)
  Electromagnetic radiation from anisotropic turbulent plasma, 24:47243
  Kinetic equations for turbulent plasmas. II, 22:48107
  Kinetic equations for turbulent plasmas. I, 22:48109
  Kinetic theory of fluctuations in turbulent plasmas, 23:46474
  Possibility of second sound in turbulent plasma, 22:9355
  Relaxation processes in plasmas with magnetic field, 24:51676
  Theory of a turbulent stationary state of a plasma, 22:9356
  Theory of strong turbulence in plasmas, 24:28322
ICHIMIYA, Torao Characteristics of plasma resonance probe and rf impedance probe in a magnetic field, 21:37426
  Method for determination of the electron densities from data of the resonance probe, 22:17497
  New method for determination of the plasma potential by a twin probe, 21:7195
  Solubility and diffusion coefficient of tritium in single crystals of silicon, 22:44225
ICHIMORI, T. Correlation of integral data and cross sections in intermediate energy cores, 24:22388
  Gamma-ray discrimination in proton-recoil spectrometer, 25:10857
  Measurement of central fission ratios and fission rate distributions in FCA, 25:37066 (JAERI-Memo-4356)
ICHIMORI, Toshihiro Experimental calibration of matching foils for avoiding thermal neutron flux perturbation, 22:53470
ICHIMORI, Toshiro Characteristics of proton recoil proportional counter GD-A for neutron and γ-ray, 25:42106 (JAERI-13580)
  Gamma-ray discriminating system for a proton-recoil counter, 25:42105 (JAERI-13561)
ICHIMURA, H. Wide-screen type measuring projector, 24:27409 (SJC-T-69-3)
ICHIMURA, Hiroshi Cluster expansion for quantum gases. III, 22:39214
  Condensation in the hard-sphere Bose gas, 25:52985
  Spectral weight function and electron momentum distribution in the normal electron—phonon system, 25:7523
  Statistical mechanics of quantum mixtures, 23:46570
ICHIMURA, M. Coupled-channel studies of (d,p) reaction, 22:27356
  Validity of DWBA for (d,p) reactions, 24:3869
  Validity of DWBA for (d,p) reactions, 24:43572
ICHIMURA, Munetake Coupling schemes for light nuclei, 22:27300
  Deuteron stripping reaction by coupled channel theory. I, 23:40144
  Mass systematics of the 2s-1d shell, 24:43550

Note on the commutator method for hindered nuclear matrix elements, 21:7826
Quasi-spin formalism and matrix elements in the shell model, 21:2769
Quasispin formalism, 23:31077
Reviews on the nuclear models in the region of the fp shell, 22:48585 (JAERI-1158, pp 125-32)
Strong coupling theory of a chiral four fermion interaction, 21:7492
The mass systematics of the 2s-1d shell analysed by the average energy method, 23:40137
ICHIMURA, S. Protection by substrate analogues from ultraviolet damage of bovine pancreatic ribonuclease, 21:24446
ICHIMURA, Sachiko Electron spin resonance studies on the damage of ribonuclease exposed to ultra-violet light, 22:45409
ICHIMURA, Tadao Radiation-induced polymerization of isoprene in aqueous solution of silver nitrate, 22:27765
ICHINO, I. Program and the present status of fast breeder reactor development in Japan, 25:54043 (A/CONF.49/P-819)
ICHINO, Ichiro Activities in O-arai engineering center of the power reactor and nuclear fuel development corporation, 24:50193
Aseismic design of reactor enclosure of the Japan Power Demonstration Reactor (JPDR) and its actual behavior for earthquake, 21:14011
Experiments on the pressure-suppression facility for a light-water power reactor, 21:25665
Outline of the experimental fast reactor, 23:9123
Recent studies in nuclear power plant safety. II, 21:10145
ICHINOKAWA, Takeo Effect of electron source to energy resolution in electron velocity analysis, 23:14634
ICHINOSE, Norio Determination of manganese in thorium compounds. V, 23:45207
Extraction and determination of metal salts with methylisobutyl ketone. XV, 25:54420
Photometric determination of chromium and molybdenum in high-purity compounds, 24:43951
Studies on extraction and determination of metal salts with isobutyl methyl ketone. XIII, 25:29195
ICHINOSE, Yukio Effects of ageing on magnetic properties of roll-flattened Mo—Permalloy ribbons, 22:31366
Magnetic and switching properties of fine Mo-permalloy ribbon, 23:12305
Magnetic stress sensitivity of roll-flattened Mo—Permalloy ribbons, 22:31367
ICHIYAMA, Noboru Properties of ultrafine tungsten powder. I, 24:39611 (ORNL-tr-2326)
ICHIYANAGI, Masakazu Anomalous dispersion in second sound of liquid He II, 22:29412
Attenuation of sound in liquid helium, 24:49084
Second sound in superfluid helium, 23:39399
Sound in liquid He II, 22:29426
ICHIYE, T. Background for three-component current measurements, 22:42901 (CU-2663-9, App.K)
Dye tracer experiments and hydrographic observations in the Virgin Islands basin, 22:42899 (CU-2663-9, App.I)
ICHIYE, Takashi Dynamics of meanders of the Kuroshio and the Gulf Stream, 22:42911 (CU-2663-9, App.U)
Note on convection current in the mantle, 22:42912 (CU-2663-9, App.V)
Rotating model experiments of the circulation in the Caribbean Sea, 22:42908 (CU-2663-9, App.R)
Theory on generation of giant bottom undulations, 22:42910 (CU-2663-9, App.T)
ICHTCHENKO, G. Analog calculation study of wave—particle interaction in high-frequency plasma, 23:20912 (CEA-CONF-1128)
Numerical solutions of the full wave equations in an inhomogeneous cold plasma slab near the lower hybrid resonance, 25:1241 (CEA-CONF-1613)
Plasma heating at the lower-hybrid resonance, 25:58960 (CEA-CONF-1831)
Quasiperiodicity properties of particle motion in rf supplemented traps, 25:1158 (CEA-CONF-1599)
Wave—particle interaction in high-frequency structures in plasma, 24:37526
ICHTCHENKO, Georges Movement of electron—ion pair in magnetic bottle in presence of progressive wave in cyclotron electronic resonance, 21:25102 (CEA-R-3115)
ICRE, P. Industrial irradiation of rubber, 24:15734
Irradiation by accelerated electron beams, 25:38825
Irradiation center for sterilization of medical supplies, 22:52073
Radiosterilization, 25:21992
ICRE, Pierre Continuous irradiation cell, 25:44497
High-resistivity liquid resistance, 24:47550
IDA, M. General level structure in the dual-resonance model, 25:36474
IDA, Masakuni Asymptotic behavior of infinitely rising meson trajectories, 23:8804
Asymptotic behavior of infinitely rising baryon trajectories, 23:8813
Baryon resonances in a quark model, 21:7514
Factorization and duality of multiloop diagrams, 25:3443
General theory of Bethe—Salpeter equation, 24:43013
Mandelstam symmetry in S-matrix theory, 22:32227
Multiple poles in off-shell scattering amplitude, 24:40505
Scattering lengths for complex angular momenta, 22:32131
IDA, Takao Method for removing radioactive materials in a radioactive liquid, 22:21175
IDA, Y. Measurement of electron collision frequency by open plasma resonators, 22:41554
IDA, Yasuo Mitsubishi medical linear accelerator. I, 22:29807
IDA, Yoshio Determination of radial variation of plasma electron density by plasma resonator, 21:18645
Landau damping of surface wave along a plasma column, 25:30491
Measurement of electron collision frequency by an open plasma resonator, 22:34596
IDDINGS, C. Optical-model parameters and cross sections for the rho-meson—nucleon interaction according to a modification of the coherent droplet model, 21:19007
IDDINGS, C. K. One-boson-exchange potential model for the ΛN interaction, 25:3416
IDDINGS, F. A. Activation analysis for determination of cement in concrete, 24:155
Beam centering in a neutron generator, 22:15890
Photoactivation with ^{60}Co source, 23:44875
Thermal-neutron radiography with small accelerators, 24:5844
IDDINGS, Frank A. Field activation analysis: problems and some solutions, 25:39461
Liquid and plastic scintillation counting for oxygen by neutron activation analysis, 21:12306
Low voltage accelerator for neutron radiography, 24:14223
Low-voltage-accelerator neutron radiography, 24:11752
Neutron radiography with a Cockroft—Walton accelerator, 24:399
Nuclear methods in air and water pollution analysis, 23:15781
Rapid activation analysis method for sodium in organic materials, 21:12307
IDE, Akira Experimental D_2O critical assembly, 25:18196
Heavy-water critical assembly, 25:18197
Reactor core structure, 25:18195
IDE, Hiroyuki Effects of radiation on DNA of chick embryo, 24:14606
IDE, R. H. Production of tritium and ^{3}He by proton bombardment of metals, 21:25466 (UCRL-14346)
IDE, T. Insulin-like activity by fat pad assay and immunoreactive insulin. I, 24:27493
IDEDA, Kazuhiro Welding of primary shielding materials for the Mutsu nuclear ship, 25:49394
IDEDA, Tetsuyuki Supercooling in the solidification of Al—Cr, Al—Mn, and Al—Zr binary alloys, 25:2733
IDEDA, Toshio Application of color-center phenomena, 24:30388
IDEHARA, T. Excitation of Bernstein mode plasma, 24:30331
Observation of anomalous sound velocity in weakly ionized plasma, 25:52879
Oscillation due to collision-induced instability in mercury plasma, 25:27802
IDEHARA, Toshitaka Collision-induced instabilities near electron cyclotron harmonics in plasma, 22:7283
Higher harmonics of the anomalous cyclotron emission from partially ionized plasma, 21:2246
Instability near electron cyclotron harmonics in beam—plasma system, 22:44181
Instability near electron cyclotron harmonic frequencies in beam—plasma system, 23:34421
Negative absorption near the electron cyclotron harmonics in weakly ionized gases, 24:17984
Nonlinear interaction of Bernstein mode in beam—plasma system, 25:25179
Nonlinear interaction of Bernstein waves in a beam—plasma system, 25:25189
Observation of a turbulence-like spectrum in a beam—plasma system, 22:52819
IDEL'CHIK, I. E. Handbook of hydraulic resistance. coefficients of local resistance and of friction, 21:1515 (AEC-tr-6630)
IDEN, D. J. Internal nitriding of tungsten-base alloys, 24:1012
IDENAWA, Kazuhide Production of ^{125}I by small research reactor, 22:4185
IDENO, Kazumi Determination of boron content in borosilicate glasses by neutron transmission, 21:32123
Nonrandom distributions of neutron resonance levels, 25:28421
Parameters of the 0.099-eV neutron resonance in ^{149}Sm, 23:21338
IDETJAERN, S. O. Thermal-neutron capture gamma rays from $^{27}Al(n,\gamma)^{28}Al$ reaction, 23:19225
IDETJAERN, Sven-Olof Elastic proton scattering on ^{58}Fe, 24:10979
IDIATULIN, V. S. Pade approximants for the partial amplitudes of $\pi\pi$ interaction, 25:22808
IDLIS, G. Effect of favorable orientation of galaxies in their clusters, 21:31177
IDLIS, G. M. Structure and dynamics of typical stellar systems, 24:37148
IDNURM, M. Changes produced in thermoelectric materials by thermal-neutron irradiation, 21:43684
IDO, Tachuo Determination of colored organic compounds by liquid scintillation counter, 21:2955
IDOINE, John D. Jr. FET marginal oscillator circuit, 25:33473
IDOUX, John P. Catalysis of α-hydrogen exchange. VI, 21:35966
Catalysis of α-hydrogen exchange. VII, 22:8069
IDRISS, I. M. Ground motions during earthquakes and nuclear blasts, 24:16722
IDRISS, K. M. Extraction of zirconium with mixed solvents from nitric acid solutions, 23:19813 (AECD/CH-12)
IDRISSI, Rachid New intermediate phases of uranium oxide UO_2, 24:30043
IDSCHOK, U. Photoproduction of rho$^-$ mesons on deuterons between 1 and 5 GeV, 25:1381
Study of 6-pronged π^+p interactions at 5 GeV/c, 21:44282
IDZENGA, S. Decay scheme of $_{73}{}^{174}Ta_{101}$, 23:49416
Directional correlation measurements on decay of ^{174}Ta, 25:25790
IDZIAK, Edmund S. Radiation treatment of foods. I, 22:40984
Radiation treatment of foods. II, 24:17180
IDZUMI, Shotaro New range measurement of swift electrons without bremsstrahlung effect, 24:32614
IEDA, Masayuki Effects of temperature, γ irradiation, and crystallinity on decay of electric charges across polyethylene, 24:37005
IELLIN, Dzh Model for $\pi\pi$ scattering, 24:24358
IERCAN, E. Protection in acute radiation syndrome. I, 23:31822
IERLEY, W. H. 16-GHz observations of eclipse, 24:37135
IEVLEV, V. M. Formation of gold nuclei on ionic crystals, 25:29910
IEVLEV, Yu. P. Inelastic scattering of protons by ^{26}Mg, 23:46951
Levels of ^{37}Cl nucleus at excitation energies of 10.4 to 10.6 MeV in $^{36}S(p,\gamma)^{37}Cl$ reaction, 22:39618
Low levels of ^{37}Cl nuclei, 22:9807
Resonances in the reaction $^{36}S(p\gamma)^{37}Cl$, 21:33919
IFEDILI, S. O. Equatorial electrojet and the world-wide S/sub q/ currents, 21:23126
Latitude and altitude dependence of the cosmic-ray albedo neutron flux, 24:45068
IFEROV, G. A. Increase in the yield of nuclear reaction products when a single crystal target is used, 21:34050
IFFLAENDER, G. Assignment of damages from handling radioactive materials and from operation of nuclear installations with regard to insurance protection, 24:31031 (SZS-18/69, pp 25-34)
Radiation protection and its legal regulation in the DDR, 23:29553 (SZS-11/67, pp 23-39)
Responsibility for radiation protection and the liability for radiation injuries, 23:31808 (SZS-2/69)
IFFT, E. Movement of charges in solid ^{3}He and ^{4}He, 24:26854 (ANL-Trans-827)
IFFT, E. M. Heat capacity and freezing curves of fluid ^{3}He and ^{3}He—^{4}He mixtures, 22:1074
Solubility curve and molar density of dilute ^{3}He—^{4}He mixtures, 21:43952
IFFT, Edward Milton Phase separation curve and molar density of dilute ^{3}He—^{4}He mixtures, 22:46044
IFTODE, I. Automatic control system for the Rumanian VVR-S reactor, 21:12245
IFZAL, S. M. Genetic variation and its influence on protection by L-cysteine against gamma radiation, 21:34713
IGALI, A. Characteristics of gamma-ray-irradiated human immunoglobulin G, 24:34098
Gamma-ray-irradiated human immunoglobulin G, 22:52095
IGALI, S. Decreasing effect of deoxyribonucleic acid on the back-mutation frequency in x-irradiated E. coli populations, 21:22399
Sterility study of ^{131}I-labeled preparations, 22:52075
Survival of bacteria irradiated in pharmaceutical powders, 22:52077
IGALI, Sandor Effect of homologous deoxyribonucleic acid on the mutation frequency in irradiated E. coli population, 21:18032
IGAMBERDIEV, K. High energy ^{6}Li fragments produced at spallation of nuclei ^{12}C and ^{27}Al by protons with energy 660 MeV, 24:22092
IGAMBERDIEV, K. R. Correlated production of proton pairs in pion—carbon interaction at momentum = 4 GeV/c, 25:53031
IGARASHI, Akira Simultaneous Wiener—Hopf equations and their application to diffraction problems in electromagnetic theory. III, 22:44295
IGARASHI, Kazui Lesions in macromolecular components of E. coli gamma irradiated in the presence of chloride ions, 25:24476
LET effects in Micrococcus radiodurans irradiated with α—particles, 25:24473
IGARASHI, M. Elastic and inelastic scattering of protons by ^{14}N, 22:26904
Large-angle scattering of ^{3}He particles by ^{58}Ni, 23:13244
Optical-model analysis of elastic scattering of ^{3}He particles from ^{58}Ni, 23:42885
IGARASHI, Masamichi Shell-model calculation of form factors for one-nucleon transfer reactions, 24:5443
IGARASHI, Masataka High energy neutrino reactions and weak bosons, 23:5581
Interpretation of eta $\to 3\pi$ and K $\to 2\pi$ by meso-strong interactions, 21:35282
IGARASHI, Shunji Measurements and analyses of radioactive airborne debris, 24:5756
Radioactive dusts in air at high altitude, 23:15977
IGARASHI, Tadashi Flow stress and dislocation structures in polycrystalline molybdenum, 24:32389
Transmission electron microscopy of Mo deformed in the temperature range 20 to 940°C, 24:48858
IGARASHI, Yasuo Effects of gamma irradiation on apples, 25:22001
IGARASI, S. Analysis of neutron inelastic scattering by ^{238}U, 25:15135
Fast-neutron capture cross-sections of Cr, Fe, Ni, and Mo, 25:14970
IGARASI, Sin-iti ELIESE-2: program for calculation of nuclear cross sections, 23:15493 (JAERI-1169)
GRAPH: computer program for plotting experimental data in NEUDADA system, 25:20230 (JAERI-Memo-4116)
Japanese list of requests for measurement. II, 25:20231 (JAERI-Memo-4167)
Manual for JUPITOR-1 (Supplement), 25:20479 (JAERI-Memo-4138)
IGARI, Sadanori Radiotherapy of breast cancer, 24:23293
IGATA, N. Electron bombardment of niobium containing interstitial impurities, 25:35517
Frictional force coefficient of a moving dislocation in uranium dioxide with excess oxygen, 24:48897
Irradiation embrittlement of iron and steel, 23:34042
Micro-plasticity of uranium dioxide at room temperature, 21:14845
Neutron irradiation effects on iron containing aluminum and nitrogen, 25:42908
Relaxation peaks in sintered UO_2—U_4O_9 pellets, 23:51114
IGATA, Naohiro Behaviors of N atoms in irradiated Fe and Fe alloy, 24:25753
Neutron irradiation sensitivity of ferritic steels, 23:22600
Radiation effect on iron and steel, 24:17336

- IGAWA, Kin-ichi Radiation therapy of prostatic cancer, 22:15030
- IGEL, Howard Rescue of defective murine sarcoma virus genome by radiation-induced leukemia virus from C57Bl mice, 22:31299
- IGELMAN, Jon M. Impact of the laser on nevi and melanomas, 21:18132
- IGENBERGS, P. Dynamics of a collisionless theta-pinch plasma with respect to anomalous energy dissipation, 21:35146 (IPP-1/61)
  - Numerical and experimental investigations on collision free compression of a plasma with anomalous friction, 21:46303 (CONF-661041-14)
- IGETA, Hiroshi Studies of H exchange. VIII, 22:37727
- IGI, K. Crossing symmetric Regge behaved amplitude for πN scattering, 23:15126
  - Determination of the coupling strength from duality and unitarity, 25:56478
  - Finite-energy sum rule as a test of the Pomeranchuk theorem, 25:20011
  - K^+p backward scattering from Veneziano model, 23:49164
  - Total $\pi\pi$ cross section and the width of the forward diffraction peak at high energy, 21:4044
  - Veneziano model and unitarity sum rules, 25:59462
  - Veneziano model for KN scattering, 23:44664
- IGI, Keiji Dynamical theory of pion—nucleon scattering, 21:25310
  - Generalized superconvergence relations as a guide to high energy scattering of hadrons, 22:39358 (CERN-68-7(Vol.1), pp 441-59)
  - Ghost-eliminating zeros in Regge-pole model, 21:44446
  - New sum rules and singularities in complex J plane, 21:21247
  - Note on superconvergence relations in presence of Regge cuts, 22:5576
  - Possible zero at a wrong-signature sense point in backward π^-p elastic scattering, 22:44447
  - Reggeized bootstrap based on finite-energy sum rules and unitarity, 22:39378
  - Some consequences from superconvergence for πN scattering, 22:5582
  - Sum rules for partial-wave amplitudes, 21:40232
- IGIAT'EV, P. P. Origin and properties of additional radiation recorded by satellites at low elevations, 24:3247
- IGITKHANISHVILI, D. D. Radiation effects on conductivity of KCl and LiF crystals, 21:42200
  - Vacancies in irradiated lithium fluoride crystals, 22:46243
- IGITKHANOV, Yu. L. Drift-temperature instabilities in a weakly ionized plasma, 25:47565
  - Energy relaxation of an electron cathode beam in a weakly ionized plasma, 22:5353
  - Finite amplitude helicons, 24:40133
  - Hall effect in plasma oscillations, 25:30544 (IAE-1950)
  - Pinch-effect instability at low density, 25:1233
- IGIUNI, A. Counter for measurement of leakage flux of secondary cosmic-ray neutrons, 23:11816
- IGLAR, Albert F. Hospital solid waste management, 25:34856
- IGLESIAS, F. C. Nuclear spectroscopy of iodine isotopes with a greater than or equal to 134, 25:28336 (CERN-70-30(Vol.2), pp 1057-68)
  - On line separation of short-lived iodine isotopes, 25:44512 (BMBW-FBK-70-28, pp 108-17)
  - On-line spectroscopy of /sup 134m g/I, 25:46071
- IGLESIAS, J. Separation of the stable isotopes of nitrogen by ion exchange. II, 24:29381
  - Separation of the stable isotopes of nitrogen by ion exchange. I, 24:29380
  - Supplementary dielectric-constant and loss measurements on high-temperature materials, 21:24834 (NP-16700)
- IGLESIAS, T. Calculation of fabrication costs of fuel elements, 24:22511
- IGLITSYN, M. I. Effect of neutron and alpha-particle irradiation upon physical properties of α-SiC, 25:59154
- IGNAT, D. W. Electromagnetic energy absorption at the upper hybrid resonance, 25:30616
  - Experimental test of a kinetic theory of Tonks—Dattner resonances, 24:35507
  - Radiation from the two-stream instability, 24:23982
  - Resonant absorption in zero-temperature nonuniform plasma, 23:23197
- IGNAT, David Walter Resonant behavior of bounded plasma, 24:10521
- IGNAT, F. Changes in growth and multiplication of some bacteria grown in irradiated culture media, 23:2990
- IGNAT, M. Contributions to solving linearized equations of magnetofluiddynamics by Fourier transform method, 25:22520
  - Contributions to theory of magnetohydrodynamic wave propagation through compressible electroductive fluid. I, 25:22561
  - Generalized Green's formulas of magnetofluiddynamics in case of slow motion for compressible fluid, 23:18497
- IGNAT, Margareta Magnetodynamic non-stationary slow motion of an electrically conducting viscous liquid in a spherical envelope, 21:9387
  - Magnetodynamic wave in a cylindrical fluid mass, 22:17457
  - Some intrinsic motions important in magnetohydrodynamics. I, 25:14093
  - Some intrinsic motions important in magnetohydrodynamics. II, 25:14094
- IGNAT. M. Use of the moving frame method for finding the stationary solutions of the system of equations of magnetofluiddynamics, 23:8524
- IGNATCHENKO, V. A. Possibility of obtaining constant superstrong magnetic fields, 22:37924
- IGNATENKO, A. E. Processes in heavy μ-mesic atoms, 21:41820
- IGNATENKO, G. F. Production of ferroniobium, 22:28767
- IGNATENKO, M. M. Efficiency of a three-dimensional MHD-channel, 25:27490
  - Electrical field in a rectangular MHD channel with semi-infinite electrodes, 22:41407
- IGNAT'EV, B. G. Large dimensional fabrications from high-melting carbides, 21:34950
- IGNAT'EV, K. G. Measurement of alpha values for ^{235}U and ^{239}Pu, 25:15074
  - Measurement of ratio of ^{235}U and ^{239}Pu capture and fission cross sections, 25:34080 (NP-18769)
  - Scintillation spectrometer with protective coating for measurement of spectra of neutron-capture gamma rays, 22:6626
- IGNATEV, O. M. Kondo conductance of Al alloys at U approximately 0, 25:25252
  - Tunneling conductance anomaly and switching effect for normal MIM structures, 25:42219
- IGNAT'EV, P. P. Correlation between geomagnetic activity and the intensity of the interplanetary magnetic field, 25:56007
  - Cosmic-ray research with aid of Kosmos-53 satellite, 22:21966
  - Interaction of galactic cosmic rays with interplanetary magnetic field, 25:55904
  - Measurements of fast-charged particles on Cosmos-137, 25:9354
  - Radiation studies by Cosmos-53 satellite, 21:31261
- IGNAT'EV, U. V. Calculation of depth doses in tissue by statistical tests in irradiation with wide beam of neutrons, 23:33725
  - Methods of statistical and linear programming for optimal dose fields in heterogeneous media, 23:31790
  - Selection of optimum dose field for irradiation, 22:45534
- IGNAT'EV, V. G. Absorbency and emissivity of xenon plasma in pulsed discharges, 24:35404
- IGNAT'EV, Yu. A. Contribution to the theory of the sporadic-E layer, 22:48009
  - Formation of a sporadic-E layer during eddy motions of a gas, 24:39975
  - Magnetic field variations during vortical gas motions forming E/sub s/ layer, 25:33141
  - Redistribution of charged particles in the ionosphere, 24:21669
  - Stability of the sporadic E layer, 22:38940
  - Time of formation of sporadic-E region, 23:3366
- IGNATEVA, I. V. Investigation of the interaction of the electron beam with alkaline earth oxides, 21:31226
- IGNAT'EVA, N. I. Determination of calcium in presence of europium, 21:27920
  - Stabilities of solid solutions of system EuO—CaO when heated in air, 25:42964
  - Thermal behavior of europium oxides, 24:17377
- IGNATEVA, T. A. Effect of impurities on the superconducting transition temperature in thallium, 22:46067
- IGNATIUK, A. V. Angular anisotropy and structure of the fission barrier, 24:49860 (LA-4369-TR)
  - Double-humped barrier in the quasi-classical approximation, 25:23058 (LA-4386-TR)
  - Even—odd differences and structure of fission barriers, 24:35861 (LA-tr-69-33)
- IGNATOV, A. A. Method for calculating relaxation lengths of asymptotic spectra, 21:21780
  - Method of subgroups for accounting of resonance structure of cross-sections in neutron calculations. I, 24:46112
  - Subgroup method and its realization in a diffusion approximation, 21:21735
- IGNATOV, A. B. Two-frequency single-exposure plasma holograph, 25:49878
- IGNATOV, D. V. Carbonization of thin films of W annealed in vacuum at high temperatures, 23:8229
  - Examination of welded joints of Mo alloy TZM-2A, 25:42874
  - Gas evolution from Mo, 23:46048
  - Heat resistance of nickel-base alloys, 25:58224
  - Hot brittleness of molybdenum alloys, 24:27759
  - Nonmetallic inclusions in molybdenum as function of means of melting, 23:3087
  - Origin of carbide inclusions in molybdenum and its carbon alloys, 24:42260
  - Oxidation of Mo at 500 to 1000°C and pressures of 10^{-3} to -1 torr, 25:19169
  - Phase transformations in thin films of ZrO_2—SiO_2 and HfO_2—SiO_2, 25:38030
  - X-ray diffraction study of phase composition of alundum-surfaced alloys VR-20 and VA-3 after vacuum annealing at high temperatures, 25:55465
- IGNATOVA, R. Determination of geological age of some Bulgarian mica by method of the U fission fragment tracks, 24:46351
- IGNATOVA, T. S. Questions on the vaporization of the components of zirconium ceramics, 22:34111
  - Vaporization of MgO- and ZrO_2-based refractory materials, 24:42237
- IGNATOVICH, V. K. Amplification of the electron electric dipole moment in atoms, 23:39308
  - Decays ($\Delta S = 1, \Delta Q = 0$) of hadrons in the quark model, 21:9758
  - Delta S = 1, Δ Q = 0 decay of hadrons in the Quark model, 21:4013 (JINR-P2-2954)
- IGNATOVSKII, O. M. Dependence of inverse scattering coefficient for β rays on target atomic number, 23:44161
- IGNATOWICZ, Anita Oxide carbides of Cr, Mo, W, and V, 22:34104
- IGNATOWICZ, S. Free energy of formation of NbO and Ta_2O_5, 22:31447
- IGNATOWITZ, Waldemar High-voltage installation of the Gundremmingen power plant, 21:12197
- IGNATYUK, A. V. Angular anisotropy and the structure of the fission barrier, 24:30787
  - Density of excited states of atomic nuclei, 25:15208
  - Density of levels in near-magic nuclei, 24:38341
  - Density of the excited states of atomic nuclei, 25:56835 (UCRL-Trans-10540)
  - Double-humped barrier in the quasi-classical approximation, 24:30908
  - Double-humped fission barrier and neutron-induced nuclear fission, 24:22192 (BNL-tr-311)
  - Effect of discrete structure of one-particle spectrum on thermodynamical functions of nuclei, 23:13325
  - Effect of spin-dependence parameter on evaporation spectrum, 25:25827
  - Even—odd differences and structure of the fission barriers, 23:37348
  - Fission product yields, 23:25947
  - Influence of the shell structure of fragments on fission process, 22:39725
  - Spin dependence of density of excited nuclear states, 25:3765
  - Statistical description of fission product yields, 24:26674 (FEI-134)
  - Two-bump barrier and the neutron-induced nuclear fission, 24:8939
  - Two-hump fission barrier in quasiclassical approximation, 23:37302
- IGNE, E. G. Environmental testing of engineered safety features related equipment, 25:57097 (WCAP-7744)
- IGNESTI, C. Urine of patients irradiated over pelvis, 23:8074
- IGO, G. Effect of multipole pairing and particle-hole fields in particle-vibration coupling of ^{209}Pb. II, 25:43923
  - High resolution nuclear structure studies using 1 GeV protons, 21:39260
  - Mass and energy levels of ^{30}Al, 24:18397
  - Proton total reaction cross sections of ^{40}Ca and ^{12}C, 25:12497
  - Reaction ^{182}W(t,d)^{183}W at 20 MeV triton energy, 25:12611
  - Reaction ^{210}Pb(p,d)^{209}Pb at 20.6 MeV, 25:34146
  - The anomalous dip in total reaction cross sections in the nickel region, 21:7745
  - Triton induced reactions in ^{37}Cl and ^{44}Ca, 24:28743
  - Two-particle, one-hole states in ^{209}Pb, 23:11034
- IGO, G. J. Conceptual design of two-stage, two-gap cyclotron, 25:31140
  - High resolution spectrometer for 1 GeV protons, 21:39229
  - Inelastic 1 GeV proton scattering from carbon and oxygen, 22:3630
  - Inelastic scattering of tritons and protons from ^{210}Pb, 25:17905
  - Levels excited in ^{206}Pb with both two-neutron stripping and pickup reactions, 21:44715
  - Measurements of 1 GeV proton total scattering cross section on H, He, ^{6}Li, C, O, and Pb targets, 21:46477
  - Mixing of two-particle, two-hole states in ^{206}Pb, 24:20395
  - New technique for obtaining (p,n) angular distributions, 25:37593
  - Production of high-momentum deuterons from nuclei bombarded by 1 GeV protons, 21:44259 (BNL-11715)
  - Proton decay of the isobaric analog of the ground state of ^{208}Pb, 23:21352
  - Proton total reaction cross sections for 22 isotopes of Ti, Fe, Ni, Cu, Zn, Zr, and Sn at 14.5 MeV, 21:31761
  - Proton—deuteron scattering at 1 GeV, 21:37834
  - Reaction ^{208}Pb(p,n)^{208}Bi, 24:43452
  - Reaction ^{208}Pd(t,d)^{209}Pb with 20-MeV tritons, 23:25907
  - Reactions ^{208}Pb(t,α)^{207}Tl, and ^{207}Pb(t,α)^{206}Tl at 20 MeV, 24:24571
  - Search for a ^{4}Li state at 10.6 MeV in the elastic scattering of protons by ^{3}He, 21:19168
  - Single-particle proton states in ^{209}Bi excited in (^{3}He,d) reaction, 21:38322
  - Single-particle proton states in ^{209}Bi excited in the (^{3}He,d) reaction, 22:27157
  - Total proton decay width of an isobaric analog state, 25:53766
  - Two-stage, two-gap, light- and heavy-ion cyclotron study, 25:50343
- IGO, George Emittance measurements of 1-GeV beam from Brookhaven Cosmotron, 22:24745 (BNL-10630)
- IGO, Robert P. Acid proteinase from porcine thyroid tissue: purification and comparison with porcine pepsin, 24:41132 (RLO-2225-T-4-3)
  - Prog. rpt. on metabolism of iodine by thyroid tissue, annual, 1969—70, 24:41130 (RLO-2225-T-4-1)
  - Prog. rpt. on metabolism of iodine by thyroid tissue, comprehensive, 10/67—4/70, 24:41131 (RLO-2225-T-4-2)
- IGO-KEMENES, P. Evidence for giant resonance excitation in muon capture, 25:23003
  - Experimental test of the analogy between muon and radiative pion capture, 22:26572
  - Muon capture in B and O, 22:9785
  - Muon partial capture rate measurements in ^{6}Li, ^{11}B, and ^{16}O, 23:30962
- IGOLKIN, V. V. ^{14}N(d,p)^{15}N, ^{28}Si(d,p)^{29}Si, and ^{32}S(d,p)^{33}S reactions with polarized deuterons, 25:56724
- IGONIN, G. S. Ordering processes in MgCd and mechanical properties, 24:10105
- IGONINA, I. V. Application of plan B for study of extraction process for separation of Zr and Hf, 23:28971
- IGRA, O. Supersonic expansion flow of an ionized gas, 24:51653 (AD-708126)
- IGRAS, E. Drift of Li ions along radiation defects in Si, 24:5203
- IGUCHI, Akira Design of facilities for production of ^{131}I, 24:31573
  - Production techniques for ^{82}Br, 24:31365
- IGUCHI, Ienari Ions and rotons in superfluid helium, 25:56057
  - Low-temperature mobility of trapped ions in rotating He II, 25:9358
- IGUCHI, Isoo Energy analysis of charged particles from a rf ion source. II, 24:18330
- IGUCHI, Masatoshi Graft-polymerization of styrene on polyethylene single crystals, 22:27752
- IGUCHI, T. Performance of Enrico Fermi modified steam generators, 25:51025

- Studies of material wastage resulting from reactions of water in sodium, 24:42049 (APDA-254)
- IGUCHI, Yae Liquid Na technology development. I, 21:32824 (JAERI-1129)
  - Liquid sodium technology development: test loops, purification methods, and corrosion tests, 21:22845
- IGUCHI, Yasuo Cl^- L_{23} absorption spectra of alkali metal chlorides obtained with synchrotron radiation, 22:46228
- IGUMNOV, L. A. Use of delayed neutrons for determination of uranium in core samples of boreholes, 25:29202 (CEA-tr-R-1978)
- IGUMNOVA, M. A. Radiation polymerization of 3-vinyl-9-isopropylcarbazole and electrophysical behavior of the polymer, 23:225
- IGUSHKIN, L. P. Motion of symmetric current-carrying plasmoids along the axis of a semi-infinite circular waveguide, 21:29271
- IHARA, S. Criterion for the stability of composite superconductors, 24:17865
  - Mutual solubility and preparation of uranium—cerium carbo-nitride, 25:30003
  - Prog. rpt. on magnetic flux flow and superconductor stabilization, final 10—12/69, 24:28174 (ORNL-TM-2980)
- IHARA, Sadatoshi Flow of conducting fluids in circular pipes under uniform transverse magnetic fields, 21:20824
  - Fluid flow in a uniform magnetic field in the inductive pipe, 21:5125
- IHARA, Seiichi Diffusion of carbon in niobium, 22:7013
  - Diffusion of carbon in tantalum, 21:13265
  - Diffusion of carbon in vanadium, 23:20513
- IHARA, Seijiro Calculation of hysteresis loss in a type-II superconductor, 22:13407
  - Current oscillation in the composite superconducting cable model, 21:33323
  - Maximum completely stabilized current density in composite superconductor, 22:41527
  - Stabilized current density in composite superconductors, 23:39418
- IHAS, G. G. Exotic negative carriers in liquid helium, 25:49818
  - Injecton and mobility of potassium ions in liquid helium, 24:28209
- IHASZ, M. Effect of laser beam on micromotility, 24:51049
- IHASZ, Mihaly Effect of short-wave irradiation of liver, 23:29893
- IHCIMURA, Munetake Deuteron stripping reaction by coupled channel theory. II, 24:43488
- IHLE, H. Isotope effects in ion exchange separation of rare earths, 21:5993 (JUL-402-PC)
  - Liquid scintillation counting of thorium, protactinium, and neptunium, 23:625
  - Separation of ^{227}Ac from its daughter products, 23:9534
  - Separations of low abundant rare earth isotopes, 25:44516 (BMBW-FBK-70-28, pp 203-8)
- IHLE, H. R. Determination of the specific α-activity of ^{233}U with the help of a liquid scintillation counter method, 22:1653 (JUL-491-PC)
  - Standardization of alpha-emitters by liquid—scintillation counting, 21:6199 (JUL-411-PC)
- IHLE, P. Fuel rods with internal fins, 25:10223
  - Fuel rods with internal fins, 25:18141
  - Fuel rods with internal ribs: a possibility for lowering the fission product inventory, 25:48359
- IHNO, Yu 50 percent surviving days (SD_{50}) as an indicator of radiation effects, 23:50851
  - Cesium-137 tube, 23:9758
  - Dosimetry in case of sealed small source for cancer therapy, 23:22291
- IHOCHI, H. New isomer: /sup 68m/Cu, 24:18399
  - New isomer: 5.3-hr ^{103}Mo, 21:2713
  - New isotope ^{173}Er, 22:16019
  - New isotope ^{204}Au and decay of ^{202}Au, 22:11969
  - Radioactive nuclides ^{79}Ge and ^{82}As, 24:30735
  - Yields of Mo isotopes in fission of ^{232}Th and ^{238}U by 14.8-MeV neutrons, 21:5556
- IHOCHI, Haruhiko Lead and Th isotopes in Mare Tranquillitatis surface material, 24:21526
  - New isotope ^{173}Er, 25:17921
- IHRENBERGER, Albin On the metallography of oxide-metal materials, 22:28926
- IHSIHARA, M. Anisotropy of conversion electrons in (p,2n) reactions, 22:20645
- IIDA, Hiromasa Nuclear calculation method of the JMTR core, 25:15391 (JAERI-Memo-4180)
- IIDA, Hiroyoshi Bremsstrahlung of RaD—Be neutron source, 24:20303
  - Exposure from ^{147}Pm-activated self-luminous paints, 25:11065
  - Radiation detection with non-silver halide film, 23:7880
  - Radiation detection with non-silver halide film, 23:22101
- IIDA, K. Explosion tests of arc welded steel tubes, 23:27048 (EUR-4101, pp 305-23)
  - Microfractographic and x-ray analyses of piping failure in fatigue, 24:25238
- IIDA, Keiki Spectrophotometric determination of trace Mo in Ta, 24:38723
- IIDA, Koyo Effect of high pressure O on experimental tumors in rats to radiotherapy, 21:24457
  - Radiotherapy of lymph node metastasis, 24:25537
- IIDA, Kunihiro Effects of fabrication thermal history on the properties of nuclear vessel steels, 23:989
  - Fatigue strength of in-pile tube of OWL-1 in JMTR, 24:36069
- IIDA, Masahiro Method for producing foamed bodies of polymers of ethylene homologues, 21:5968
- IIDA, Masaru γ-induced addition of trialkyltin hydrides to unsaturated esters, 25:31960
- IIDA, Mihoko Veneziano amplitudes consistent with PCAC conditions. I, 25:40984
- IIDA, S. Charge ratio of high-energy cosmic-ray muons at large zenith angles, 23:39596
- IIDA, Seiichi Development of a mechanical sodium pump for liquid metal cooled fast breeder reactors, 25:15825
- IIDA, Shoji Electrolysis and ion transport mechanism in uranium dioxide, 21:9227
- IIDA, Shuichi Improvement of time mode Moessbauer spectrometer, 25:48979
  - Methane formation in the radiolysis of neopentane and isooctane, 25:6367
- IIDA, Yoshihiro Exponential experiments with UO_2-light water lattice, 23:37744
  - Movements of generating vapour bubble in saturated pool boiling. II, 25:15831
  - Movements of generating vapour bubble in saturated pool boiling. I, 25:18582
  - Study on the measurement of void fraction by probe method, 21:24162
- IIDA, Yoshio Anodic oxidation of Ti—Zr alloys, 23:32018
  - Anodic oxidation of Ti—Zr alloys in region below oxygen evolution potential, 25:6829 (AEC-tr-7201)
- IIDE, Senjiro Vacuum system performance of space environment simulator, 24:39205
- IIJIMA, H. Status of isotope applications in Japanese industry, 24:31283
- IIJIMA, Hiroshi Fuel cell, 22:11298
  - Fuel cell, 23:29103
- IIJIMA, M. Studies on structural anomalies in patients with congenital metal deficiency, 24:32261
- IIJIMA, S. Benchmark test by various cross section sets for fast reactor analysis in Japan, 25:60210 (JAERI-Memo-4406)
  - Neutron scattering by polycrystals, 21:17264 (JAERI-1113, pp 27-31)
- IIJIMA, Shungo Coherent scattering of slow neutrons from heavy water, 22:20431
- IIJIMA, Soichi Age factor in radiation carcinogenesis of the human thyroid, 25:37855 (ABCC-TR-7-69)
  - Functional structure of lymph node, 23:29835
  - Papillary carcinoma of the thyroid gland. Sizes of 525 tumors found at autopsy in Hiroshima and Nagasaki, 24:34381
  - Radiation carcinogenesis of human thyroid, 24:23381 (CONF-690501-, pp 675-80)
  - Smallest forms of papillary carcinoma of thyroid. A study of 141 microcarcinomas less than 0.1 cm in greatest dimension, 25:26898
  - Thyroid carcinoma in Hiroshima and Nagasaki. I, 23:35838
- IIJIMA, Sumio Electronmicroscopic observations of the effect of electron irradiation and print-out effect on AgBr crystal, 21:9653
- IIJIMA, T. Basic studies on Rossi-alpha experiment, 24:47946 (CONF-680980-, pp 35-50)
  - Dose rate effect of radiation on spermatogonia of the silkworm, 21:18153
  - JAERI fast critical facility, 21:35700 (ANL-7320, pp 776-84)
- IIJIMA, Takao Zero-point average structure of acetone, 24:33674
- IIJIMA, Takesi Constitution of magnetospheric storms, 25:30400
  - Constitution of polar magnetic disturbances, 23:3372
  - Magnetic field variation on ground and space, 23:25201
  - Microstructure of auroral-zone electrojet, 24:12704
  - Worldwide geomagnetic change preceding the onset of auroral electrojet, 23:18517
- IIJIMA, Teiji High frequency transduction of galactose markers by phase phi170, 22:8499
  - Recombination between bacteriophage and other phages, 22:43288
- IIJIMA, Toshinori External exposure to ^{41}Ar released from multiple sources, 21:22438
  - Gamma-exposure due to radioactive cloud, 24:20900
  - Graphic aid in the assessment of gamma-exposure due to a radioactive cloud released from a point source, 24:41432 (JAERI-1189)
  - Studies on accumulation of radioactive materials on fishing-nets, 25:46806 (JAERI-13710)
- IIJIMA, Tsutomu Background counts in Rossi-α experiment, 22:42562
  - Basic studies on the Rossi-alpha experiment, 23:9233
  - Doppler coefficient measurements in FCA, 24:33411
  - Measurement of fast neutron spectrum with ^{3}He proportional counter, 25:34409
  - Measurements of k-infinity on zero-leakage zoned system (FCA IV), 25:48350 (JAERI-Memo-4339)
  - Rossi-α experiment, 21:40357
  - Space-dependent effects in Rossi-alpha experiments, 23:1770
- IINUMA, T. Relationship between body burden and urinary excretion of ^{137}Cs in man following fallout ^{137}Cs ingestion, 23:31771
- IINUMA, T. A. Accumulation of fallout ^{137}Cs in newborn infants, 23:50538
  - Application of digital technique to radioisotope imaging, 24:31703
  - Body burden of ^{137}Cs in Japan, 21:20211
  - Computer-focusing for area scans, 23:50685
  - Digital data processing and display in radioisotope imaging, 23:33424
  - Elimination of ^{137}Cs from human body, 25:21738
  - Image restoration in radioisotope imaging systems, 22:4538
  - Internal dose due to fallout ^{137}Cs, 24:23193 (CONF-690501-, pp 105-16)
  - Optimal data processing radioisotope imaging, 25:4359
  - Optimum isotope ratio in double tracer studies, 21:39342
  - Protection of thyroid gland and total body from radiation, 23:24694
  - Radiocontamination of the environment and its effects on the mother and fetus. III. Pt. II, 25:511
  - Repetitive correction for a finite resolving power of the collimator in scintiscanning, 21:26527
  - Uptake and retention of ^{106}Ru in man. I, 23:20100
- IINUMA, Takamasa Extremely long period fuel cycle. II, 25:3881
  - Ultra-long range nuclear fuel cycle, 24:52784
- IINUMA, Takeshi Comparative studies of ^{137}Cs and ^{86}Rb turn-over in man using a double-tracer method, 22:36164
- IINUMA, Takeshi A. Comparative study on retention and distribution of ^{137}Cs and ^{86}Rb in rats, 22:25762
  - Metabolism of cesium in human blood, 21:14597
  - Operational count rate meters and their application to nuclear medicine, 24:31701
  - Plutonium lung monitor using a thin NaI(Tl) crystal of large area, 24:2464
- IINUMA, Y. Missile protection in nuclear power station, 25:23317
- IIO, Hiromoto State of development of ATR and construction of prototype, 24:24803
- IIO, M. Multistage image intensifier gamma camera, 23:33468
  - Performance of focused collimators, 23:33437
  - Visceral perfusion scintigraphy with ^{131}I-labeled albumin macroaggregates, 23:48141
- IIO, Masaaki Affinity of ^{15}O and ^{14}O to hemoglobin, 21:10757
  - Scintigraphy of lung cancer using ^{203}Hg, 25:26842
- IIO, Masahiro Application of CASRAD to pulmonary function studies, 25:51862
  - Catheter semiconductor radiation detector, 24:12193
  - Catheter-type semiconductor radiation detector and its medical application, 22:33645
  - Detection of hepatic shunts by use of ^{131}I-macroaggregated albumin, 22:4641
  - Measurement of trace elements in liver by neutron activation analysis, 24:31274
  - Preparation of ^{131}I-macroaggregated albumin, 21:12940
- IIO, Naoko Moessbauer effect in (Zr/sub x/Nb/sub 1—x/)Fe_2, 23:7047
- IIRKOVSKII, R. Use of naturally occurring radioisotopes for checking dams in the Beskid Range, 22:14693
- IISAKA, Youichi Absorption of gamma radiation by skull, 24:12135
  - Compartmental redistribution of /sup 99m/Tc-pertechnetate in presence of perchlorate ion, 24:17083
  - Isotope content of scalp and skull, 24:12169
- IIYOSHI, A. Confinement of energetic plasma in magnetic mirrors in C stellarator, 21:27127
  - Destruction of sharp transition in collisionless shock waves due to high β effects, 22:9302 (CLM-R-74)
  - Limitation on ion cyclotron heating in local mirrors of C stellarator, 21:27126
  - Measurement of electron temperatures produced by collisionless shock waves in a magnetised plasma, 22:3013
- IIYOSHI, Atsuo Effects of turbulence on MHD power generator, 24:12672
  - Plasma confinement experiment on Heliotron D machine, 25:38375 (CONF-710607-108)
- IIZAWA, Katsuyuki Gamma-ray spectroscopy of ^{42}K, 24:40584
  - Gamma-ray spectroscopy of ^{76}As, 25:28278
- IIZIMA, Hiroshi Economy of radioactive gauges, 23:14067
- IIZIMA, Tokuji Fuel element with a means of preventing the flooding, 23:40371
- IIZUKA, H. Effect of storage on microorganisms of gamma-irradiated rice, 25:47081
  - Radiation sterilization of laboratory animal diets, 25:47073
- IIZUKA, Hiroshi Effect of gamma irradiation on strawberries and the lethal dose for Botrytis cinerea, 22:8667
  - Effect of gamma irradiation on the microflora of rice, 23:29930
  - Fermentation processes, 24:20832
  - Gamma irradiation of cane molasses, 23:41509
  - Gamma-irradiation effect on microflora of rice, 22:43505
  - Studies on microorganisms of cereal grain. XI, 25:47072
  - Studies on the microorganisms of cereal grain. IX, 22:49666
- IIZUKA, Jugoro Lepton—hadron collisions, 25:40944
  - Systematics and phenomenology of meson family, 21:13708
- IIZUKA, Tokio Effect of γ-irradiation on acidic property of nickel sulfate, 23:13704
- IIZUKA, Tomio Constructing nuclear fuel elements, 22:14348
  - Method for constructing a nuclear fuel rod, 22:14325
  - Method for producing a nuclear fuel rod, 22:19506
  - Self-limiting power excursion characteristics of light water reactor. III, 24:5551
- IIZUMI, M. Effect of broadening of incident neutron energy in measuring scattering law, 23:44808
- IIZUMI, Masashi Total cross section of glassy carbon from 0.001 to 0.1 eV, 23:8920
- IJAZ, M. A. Distribution of transverse and longitudinal momentum in π^-p interactions at 7.0 GeV/c, 23:27757
  - Elastic scattering (p—p) at 2 GeV, 21:37677
  - Momentum spectra of secondary particles in π—p interactions at 7.0 GeV/c, 23:5545
  - Neutral pion production in p—p interactions at 2.8 GeV/c, 21:37836
  - New isotopes: ^{151}Er, ^{156}Yb, and ^{157}Yb, 25:1741
  - Single pion production in π^-p collisions at 7.0 GeV/c, 23:34537
  - Six-pronged π^-p interactions at 7.0 GeV/c, 23:49055
  - Some characteristic features of six prong π^-p interactions at 7.0 GeV/c, 22:52942
  - Transverse momentum distribution of pions in two and six prong events from π^--p collisions at 7.0 GeV/c, 23:5538
- IJAZ, Mujaddid A. Elementary particles and resonances, 21:2391
- IJIRI, H. Stabilizing a time-of-flight neutron spectrometer, 24:4474
- IJUIN, M. Radioactive waste (sea water) treatment by coagulation methods, 24:31456
- IJUIN, Muneaki Determination of ^{90}Sr in biological materials, 23:35010

IKADA, Yoshito Chemical structure of poly(vinyl alcohol)-styrene graft copolymer, 23:31375
  Chemical structure of poly(vinyl alcohol)-methyl methacrylate graft copolymer, 23:31378
  Mutual irradiation grafting of styrene onto poly(vinyl alcohol) and characterization of graft copolymer, 25:37413
  Radiation-induced graft copolymerization of methyl methacrylate onto poly (vinyl alcohol) film, 21:22002
  Radiation-induced graft copolymerization of styrene onto poly(vinyl alcohol) in the presence of carbon tetrachloride, 22:33465
  Radiation-induced polymerization of vinyl acetate, 24:27176
  Radiation-induced vapor-phase grafting of methyl methacrylate onto poly(vinyl alcohol), 25:37414
IKAWA, Hiroshi Omega phase in Ti—Mo alloys, 24:17313
  Transmission electron microscopic observation of the transition phase omega in Ti—Mo and Ti—Mn alloys, 24:46753
IKAWA, Katsuichi Detection of methyl iodide upon heating irradiated fuels, 23:86
  Release of xenon from sintered UO_2 at low temperatures, 22:17169
  Room temperature oxidation of UN powder, 24:48869
  Xe release from UO_2 upon oxidation, 23:37548
IKAWA, Koji Kinetics parameter calculation code: (ARGO), 25:36992 (JAERI-Memo-4331)
IKAWA, Shun-ichi Infrared intensities of stretching and librational bands of H_2O, D_2O, and HDO in solids, 22:27700
IKEBE, Teruo Eigenfunction expansion connected with the exterior problem, 23:22917
IKEBE, Yukimasa Interaction between radioactive ions and condensation nuclei, 24:48184
  Ionization of air due to beta- and gamma-radiations. I, 24:27241
  Ionization of air due to beta- and gamma-radiations near ground. II, 24:27242
  Measurement of radon concentration, 24:26997
  Some properties of ionizing radiations and radioactive ions in the natural environment, 24:36416
  Variation of radon and thoron concentrations in relation to the wind speed, 25:29225
IKEBUCHI, Hideharu Chemical and hygienic studies on natural radioactive spa. IV, 25:4711
  Chemical and hygienic studies on natural radioactive spa. III, 25:13470
  Chemical and hygienic studies on natural radioactive spa, 25:26743
  Concentrations (^{90}Sr and ^{137}Cs) in imported foods. II, 22:25846
  Strontium-90 and ^{137}Cs concentration in imported foods. I, 22:6827
  Strontium-90 and ^{137}Cs concentrations in imported foods. III, 23:9956
  Strontium-90 and ^{137}Cs concentrations in imported foods. IV, 24:50871
  Strontium-90 and ^{137}Cs in rain water during 1962—64, 23:848
  Strontium-90 in stock rainwater for drinking sampled at some lighthouses during 1963, 21:8462
IKEDA, Akitsu Role of Coulomb potential in $\Delta T = +-1$ Fermi transitions, 22:9953
  Rotation, surface vibration, and pairing vibration of nuclei, 25:15189
IKEDA, H. Pneumatic expansion system of the 75 cm hydrogen bubble chamber, 25:44686 (SJC-T-71-2)
IKEDA, Hajime Thermal and hydraulic characteristic calculation in the JPDR core, 25:50888 (JAERI-13667)
IKEDA, Hiroshi Activation analysis of impurities in semiconductor Si, 24:43980
  Beam focus in conformation radiotherapy, 25:46940
  Exposure meter employing ionization chambers, 21:28283
  Sex ratio in progeny from irradiated males in Drosophila melanogaster, 22:15102
  Sex-ratio in progeny from irradiated male Drosophila, 21:24395
  Three-year experience of betatron therapy. III, 23:29859
IKEDA, K. Alpha-particle chain-like solution of Hartree—Fock equation, 24:45744
  Giant dipole states and excited giant dipole states in ^{12}C, 21:13816
  Giant dipole states and excited giant dipole states in ^{12}C, 22:20473
  Giant dipole states and excited giant dipole states in ^{12}C, ^{28}Si, and ^{32}S, 22:27073
IKEDA, Kazuo Brittle fracture strength of thick steel plates for reactor pressure vessels, 22:27448
  Cooling system of ML-300 electron linac, 22:22507
  Design feature of high power rf system of ML-300 electron linac. II, 23:32873
  High-power pulsers of ML-300 electron linac, 22:22508
IKEDA, Kiyomi Anharmonic vibrations in spherical even-even nuclei, 22:48520 (JAERI-1158, pp 90-5)
  Anharmonic vibrations in spherical even—even nuclei, 23:5953
  Anharmonic vibrations in spherical nuclei, 22:27320
  Hindrance factors for allowed beta transitions, 22:27387
  Hindrance factors for beta decays of heavy nuclei, 23:15501
  Molecular aspect in atomic nuclei, 22:48579 (JAERI-1158, pp 99-105)
  Molecule-like structure in atomic nuclei of ^{16}O and ^{20}Ne, 22:53235
  Study of ^{8}Be in molecular orbit model, 24:8934
  Systematic structure-change into the molecule-like structures in the self-conjugate 4n nuclei, 23:28323
  Theory of hindered Gamow—Teller matrix elements, 21:46829
  Theory of hindered nuclear matrix elements, 21:2770
  Theory of isobaric states and hindered Fermi nuclear matrix elements, 21:4332
IKEDA, M. Contact resistance of stabilised superconducting wires, 23:6956
  Delayed neutrons from ^{12}B, 23:7230
  Nuclide metabolism in juvenile mammals, 24:23080 (CONF-690501-, pp 217-26)
IKEDA, Masahiko Observation of cosmic gamma rays, 25:33090
IKEDA, Masaki Radioimmunoassay of protein hormones, 24:31776
IKEDA, Masaomi Color centers in irradiated NaCl, KCl, and KBr crystals, 24:26301
  F centers in gamma- and reactor-irradiated NaCl crystals, 22:7386
IKEDA, Miyo Phenomenological analysis of pion nucleon scattering at high energies, 22:17962
  Quark model with factorizability assumption, 23:5591
IKEDA, Miyoshi Calcium-45 uptake and tissue Ca of guinea pig Taenia coli, 23:20086
  Effects of external calcium and some metabolic inhibitors on barium-induced tension changes in guinea pig tenia coli, 22:51383
  Increase in ^{45}Ca uptake during barium-induced contracture in guinea pig taenia coli, 22:49207
  Thyroidal uptake of radioactive I in chickens, 24:34053
  Transfer of ^{85}Sr through placenta and mother's milk. I, 21:22320
  Transfer of ^{85}Sr through placenta and mother's milk. II, 22:450
  Transfer of ^{85}Sr through placenta and mother's milk. I, 22:36193
IKEDA, Motoki Application of anthracene flow cell counter to the study of amino acid metabolism, 24:31707
IKEDA, N. Crowbar gap switch with two triggering pulses, 25:30576 (EUR-4593, pp 347-53)
IKEDA, Nagamori Radiation breeding in genus Mentha. VII, 25:21959
  Radiation breeding in the genus Mentha. V. Mutations of Mentha induced by x-rays, 25:24461
  Radiation breeding in the genus Mentha. VIII, 25:47039
IKEDA, Nagao Activation analysis of uranium, 23:47417
  Components of retention in the pulverized solid recoil system, 25:23637
  Determination of hexamminecobalt(III)-, monochloropentamminecobalt(III)-, and Co(II)- ions in their mixture by the isotope dilution method, 21:5812
  Extraction behavior of Eu with TTA, 24:14019
  Improved methods of radiometric analysis based on the isotopic exchange reaction, 21:38918
  New method for radiochemical analysis of iodide and iodate in environmental water, 25:54442
  Non-equilibrium isotopic exchange method, 23:35005
  Radiochemical determination of ^{95}Zr—^{95}Nb in sea water, 23:11436
  Recoil chemistry of ^{51}Cr in hexamminecobalt(III) complex and chromate system, 24:33743
  Separation of carrier-free As(III) from As(V) by the thin-layer chromatographic method, 22:18885
IKEDA, Nagayasu Laser diagnostics of theta-pinch plasmas, 22:39053
  One hundred-kJ fast theta-pinch device, 24:17980
  Statics of the power fast breeder reactor with the central blanket, 23:33043
IKEDA, Norito H function of turbulence, 22:5390
IKEDA, Sachiko Spectrophotometric determination of microamount of boron in Zr and Zircaloy, 23:4527
IKEDA, Sachio Decontamination facility for heavy equipment, 21:30673
IKEDA, Sadao Bronchogenic carcinoma with radiation pneumonitis and diabetes-insipidus-like symptoms, 23:50777
IKEDA, Sakuji Application of isotopes in petrochemistry, 21:3059
  Studies on nitrogen-coordinated complexes. Preparations and reactions of hydrido—phosphine complexes of ruthenium and rhodium, 24:29268
IKEDA, Seiichi Effect of Zr addition on the oxidation resistance and mechanical properties of Fe—Al—Cr alloys, 25:13680
  Oxidation by CO_2 gas of high tension steels for gas-cooled power reactors, 23:969
IKEDA, Shigero Extraction of Mo(VI) by propylene carbonate, 24:14012
  Photochemical analysis. I, 23:49714
  Pyridinium ternary molybdophosphate complexes, 24:48030
  Spectrophotometric determination of Ti(IV), Zr(IV), and Th(IV), 24:2115
IKEDA, Shigeru Experiments on MHD generator ETL Mark II. I, 22:52560
  Experiments on the MHD generator ETL Mark II. I, 22:47878
IKEDA, Shigeyuki Accelerating structure of ML-300 electron linac, 22:22502
  Cooling device of accelerating structure of ML-300 electron linac, 22:22503
IKEDA, T. Failed fuel element detection and location in power reactors in Japan, 24:4016
IKEDA, Tadashi Compressive fracture phenomena of WC—Co cemented carbide, 24:23523
IKEDA, Takayoshi Congenital malformations found in autopsies of human fetuses, 23:43843
  Effects of fast-neutrons on fetus, 24:23321 (CONF-690501-, pp 325-40)
  Electron microscopic histochemical study of the lysosomes in the abnormally developing embryonic heart and dermal cells in the rat, 25:16358
  Preparing metaphase plates from 8-day rat embryos, 23:43871
IKEDA, Takuro Phase equilibrium in the system $PbO—TiO_2—ZrO_2$, 21:22929
  Studies on $Pb(Zr—Ti)O_3$ ceramics with addition of Cr_2O_3, 22:760
IKEDA, Tetsuo Chemical modification of fibers by the graft copolymerization of reactive monomers. II, 21:22000
  Chemical modification of fibers by the graft copolymerization of reactive monomers. I, 21:21999
  Gamma-radiation facility for textile and polymer studies, 24:29423
  Graft copolymerization of acrylamide onto preirradiated cotton fabrics, 24:16562
  Modification of synthetic fiber by the graft copolymerization of reactive monomer. I, 22:21094
  Modification of synthetic fiber by the graft copolymerization of reactive monomer. II, 22:21104
IKEDA, Tetsuyuki Effects of cooling rate and supercooling degree on Al—Mn, Al—Cr, and Al—Zr alloys, 25:55550
IKEDA, Toshio Deamination of aqueous glycine-Cu. II, 22:14522
  Effect of divalent cation impurities on the formation and bleaching of colloids in NaCl, 21:15232
IKEDA, Yoko Study on detection methods of ^{14}C-labelled compounds, 25:57752
IKEDA, Yonosuke Inactivation of transforming DNA by ultraviolet irradiation, 23:26696
  Mutant of B. subtillis producing uv-sensitive, 23:7990
IKEDA, Yoshiharu Mortality from continuous x irradiation in mice. III, 22:40947
  Radiation death of continuous x-ray irradiation in mice. II, 23:14264
  Radiation death on continuous x-ray irradiation in mice. III, 23:14252
  Radiation death on continuous x-ray irradiation in mice. I, 23:14267
IKEGAMI, H. Anomalous states in ^{85}Rb ($Z = 37$) nucleus, 22:27001
  Control of ion-energy distribution in a back-diffusion type plasma, 24:42673
  E0, M1, and E2 ($2_2^+ \rightarrow 2_1^+$) transitions in ^{192}Pt, ^{194}Pt, ^{196}Pt, and ^{198}Hg nuclei, 22:27189
  Excitation of low-frequency oscillations at upper hybrid resonance microwaves, 22:34636 (AD-665527)
  Excitation of lower hybrid oscillations at upper hybrid resonance by microwaves, 22:7303
  Hot electron confinement in a cusped magnetic field by ECRH wrapping, 25:27677
  Ion—acoustic waves in streaming-ion plasma, 24:26266
  Levels of ^{186}Os populated by ^{186}Re and ^{186}Ir, 21:2709 (UCRL-16996)
  Levels of ^{190}Os populated by ^{190}Ir, 23:34797
  Magnetic dipole and electric quadrupole moments of anomalous coupling $^7/_2{}^+$ state in ^{83}Kr, 22:27000
  Microinstabilities in a hot electron plasma, 23:32454
  Microwave burst at triggered instability in a hot electron plasma, 22:26387
  New sector type double focusing beta-ray spectrometer, 23:2641
  Nonlinear effect of large-amplitude ion acoustic waves, 25:3151 (IPPJ-94)
  Nonlinear effect of large-amplitude ion acoustic waves, 25:40713
  Physical boson mixing 2^+ states, 22:27322
  Shell-structured electron-cyclotron plasma in a mirror machine, 23:18622 (CONF-680113-(Vol.1), pp 429-55)
  Stimulated cyclotron echo radiation from plasmas, 22:6704
  Structure of Pt nuclei. II, 24:38298
IKEGAMI, Hideo Burst of hot electron in a microinstability, 23:8636
  Scattering of microwaves from a plasma column in rectangular waveguide, 22:34604
  Shell structure of a hot-electron plasma, 21:44027
IKEGAMI, Hidetsugu Beam transport system of Kyoto Univ. Cyclotron, 23:42819
IKEGAMI, K. New biaxial tensile tester for flat specimens, 25:31735 (SCL-T-69-258)
IKELAAR, P. Data collector for a coinidence experiment, 25:18872
IKELAAR, P. G. Atomic beam source for the energy range of 0.2 to 45-eV, 22:43900
  Experimental study of a slit monoplasmatron ion source, 23:30884
IKEMATSU, Masamori New metal industry in Japan in 1968: nuclear fuel, 23:11673
IKEMOTO, S. Catheter-type semiconductor radiation detector, 24:31699
  Diagnosis of malignant tumors with a p.i.n type semiconductor detector, 24:39525 (NP-tr-1903)
IKEMOTO, Sinichi Activation analysis of cancerous tissue. I, 22:47
  Consideration on the diagnosis of malignant tumor with P-I-N type semiconductor detector, 22:45288
  Diagnosis of malignant tumor with ^{67}Ga-citrate. I, 24:34458
IKEMURA, Kiyoshi Outline of the harbor for the first nuclear-powered ship, 22:42954
IKEMURA, Kyoichi Corrosion by polluted sea water and its prevention, 24:2878 (ORNL-tr-2237)
IKENAGA, M. Killing and mutagenic efficiencies of heavy ionizing particles in Arabidopsis thaliana, 21:11127
IKENAGA, Mituo Comparative analysis of lethal lesions produced by ^{32}P decay and gamma rays in phage T1 and in its host strains of E. coli with normal and reduced repair abilities, 22:52041
IKESHOJI, T. Dispersion studies of C. pipiens fatigans tagged with ^{32}P in Rangoon, Burma, 22:17003
IKEUCHI, Satoru Equation of state of neutron star matter and neutron star models, 25:55715
IKEUYE, D. T. Design and fabrication of Mark IV superheat fuel, 21:27675 (GEAP-5097)
  Fabrication of centermelt assemblies, 23:48507 (GEAP-10032)
  Fabrication of non-fuel core components for SEFOR, 25:5943 (GEAP-13595)
IKEYA, M. Optical absorption spectra of H center in CsBr, 25:38568
IKEYA, Motoji Growth of optical absorption bands in Ca-doped KBr by x irradiation, 21:37602
  Manganese centers with various valency in alkali halides, 25:1281

  - Manganese paramagnetic center irradiated NaCl:Mn^{++} crystals, 23:21009
  - Properties of CaSO$_4$(Mn) powder for thermoluminescence dosimeter, 23:20024
  - Response of CaSO$_4$(Mn) and Li$_2$SO$_4$ to thermal neutron and γ-ray fields, 25:51906
- IKEZAWA, Yoshio Survey of the literature on the characteristics of air sampling filter paper, 23:7661 (JAERI-4046)
- IKEZI, H. Electron heating effects and universal instability in cesium plasma, 21:16954
  - Electron plasma waves and free-streaming electron bursts, 25:47595
  - Formation and interaction of ion-acoustic solitons, 24:37518
  - Ion-burst excited by a grid in a plasma, 24:15365
  - Microinstabilities in a hot electron plasma, 23:32454
  - Microwave burst at triggered instability in a hot electron plasma, 22:26387
  - Observation of collisionless electrostatic shocks, 24:15357
  - Observation of first-order ion energy distribution in ion-acoustic waves, 23:25312
  - Observation of spatial ion-wave echoes, 22:11454
  - Observations of nonlinear Landau damping of ion-acoustic waves, 25:56234
  - Perturbed ion distributions in ion waves and echoes, 24:42733
  - Plasma electron heating by absorption of cold electrons, 25:40594
  - Propagation and damping of large-amplitude ion-acoustic waves in a plasma, 22:22179
  - Propagation of density perturbations in a plasma, 22:34662
  - Propagation of ion cyclotron harmonic wave, 24:51746
  - Propagation of longitudial ion waves near and above ion plasma frequency in a plasma, 22:17643
  - Quiescent neutralized beam plasma with variable T/sub i//T/sub e/, 24:26186
  - Reduction of shot noise by collisions, 22:44096
  - Shell-structured electron-cyclotron plasma in a mirror machine, 23:18622 (CONF-680113-(Vol.1), pp 429-55)
  - Spatial ion-wave echoes, 23:23214
- IKEZI, Hiroyuki Burst of hot electron in a microinstability, 23:8636
  - Large-amplitude ion—acoustic waves in a plasma, 23:34482
  - Observation of amplitude oscillations of large-amplitude ion acoustic waves in a plasma, 22:24327
  - Probe noise in quiescent plasmas, 23:1376 (IPPJ-71)
  - Probe noise in quiescent plasmas, 23:6984
  - Propagation and damping of large-amplitude ion acoustic waves in a plasma, 22:34637 (AD-665529)
  - Resonances of radio-frequency probe in a plasma, 21:2208
  - Shell structure of a hot-electron plasma, 21:44027
- IKEZOE, Yasumasa Chemical dosimeters for mixed radiations in a nuclear reactor, 25:46645
  - Chemical reactions by reactor radiation, 25:41851 (JAERI-13780)
- IKHSANOV, R. N. Determination of radial velocities by means of a magnetograph, 21:16702
  - Magnetic field and gas velocity in sunspots. I, 21:37027
  - Observation and interpretation of some regularities of sunspot development, 22:29084
  - Time dependence of the magnetic-field strength of sunspots, 22:36582
- IKOMA, H. Evidence for absence of electrons from conduction band in N—InSb at low temperatures, 21:25073
- IKONNIKOV, V. P. Nuclear gamma-resonance spectrometer of constant speed, 25:48964
- IKONNIKOV, Yu. A. Definition of nondimensional groups for similarity of MHD phenomena, 22:31688
- IKONNIKOVA, G. I. Thermoelectric generator for superconducting solenoids, 23:18475
- IKONNIKOVA, T. B. Effect of dose rate during x-irradiation of Ameba proteus, 23:14244
- IKONOPISOV, R. L. Autoimmunization with irradiated tumor cells, 24:48450
- IKONOPISOV, S. High-resistance anodic films on Cd, 24:8096
- IKOV, N. L. Slope parameter and ratio of the real to the imaginary part of the forward amplitude of the elastic proton—proton scattering at 30, 50, and 70 GeV, 25:50064
  - Slope parameter of elastic p—p differential cross-section at 50 GeV, 25:53022
- IKRAMOV, G. Certain characteristics of radiative centers in synthetic germanium-doped quartz, 22:24414 (AD-663345)
  - Some features of radiative centers in synthetic quartz activated with germanium, 21:3559
- IKRAMOV, M. Kh. Automatic stabilization of a device for measuring life times in the picosecond range, 25:29365
- IKRENYI, Karoly Quantitative spectral analysis of rare earths. I, 24:29190
- IKUI, Takefumi Kinetic-theoretical studies of the shock wave structure, 24:8469
  - Shock-wave structure in the weakly ionized plasma, 22:26397
  - Shock-wave structure in weakly ionized plasma, 23:16846
- IKUSHIMA, A. Frequency effect in the ultrasonic attenuation in niobium in the mixed state, 21:37394
  - Superconductivity in niobium and niobium-rich niobium—tantalum alloys, 22:29429
- IKUSHIMA, Akira Frequency dependence of the ultrasonic attenuation in superconducting niobium in the mixed state, 25:45400
  - Superconductivity in niobium and niobium—tantalum alloys, 23:25270
- IKUSHIMA, T. A developmental study of diploid oats by means of radiation-induced somatic mutations, 21:30800
- IKUSHIMA, Takaji Elimination of x-ray induced aberrant chromosomes in the root meristems of two-rowed barley, 22:36231
  - Elimination of x-ray-induced aberrant chromosomes in the root meristems of two-rowed barley, 22:10886
- IKUSHIMA, Takeshi Friction and wear of ball bearings in liquid sodium, 25:16409
- IKUSHIMA, Tsuyoshi Comparative study in use of carbide fuel and oxide fuel in 1000 MW(e) Na cooled FBR, 25:51096 (JAERI-13661)
  - Vibration of reactor structure, part 2-1, 25:51067 (JAERI-13727)
- IKUTA, A. Experimental approach to the optimization of solvent extraction processes, 25:41916
- IKUTA, Kazunari Adiabatic compression of plasma in trapped-particle-free stellarator, 25:58964
  - Equilibrium of finite-β toroidal helices, 25:36171
  - High-β quadrupole configuration with plasma current, 24:40128
  - Negative V" system with deep magnetic well, 23:30524
  - Stability of relativistic plasma, 25:59064
  - Stabilization of rotating plasma, 24:15334
  - Toroidal confinement of plasmas, 23:8578
- IKUTA, Shiro MeV 6 electron linear accelerator. II, 22:24773
  - Pulsed x-ray radiography with electron linear accelerator. I, 22:11758
- IKUTA, Takashi Calculation of x-ray production in alloy targets using Monte Carlo method, 25:27836
- IL, Kim Won Iron wire containing manganese as flux monitors in activation analysis using short-lived radio nuclides, 24:4246
- ILAKOVAC, K. Deexcitation of the 662-keV state in ^{137}Ba by the internal Compton effect, 25:28422
  - Directional correlation studies in decay of /sup 177g/Lu, 25:3684
  - Directional gamma—gamma angular correlation in ^{177}Hf, 23:23737
  - Double electron ejection in decay of ^{137}Ba, 25:31359
  - Energy-distribution measurement in the double decay of ^{137}Ba, 24:15918
  - Ge(Li)—NaI(Tl) system for gamma—gamma angular correlation measurements, 23:24444
  - Incoherent scattering of 662-keV gamma rays by K-shell electrons in gold, 23:30351
  - Internal Compton effect, 23:44910
- ILAMED, Y. Fast breeder Doppler effect investigations in Israel, 22:18514
  - Sodium void and doppler effects in large fast power reactors, 23:19477 (IA-1177)
  - Theory of a one-dimensional bare reactor, treated by the Lie series method, 23:37689 (IA-1187)
  - Theory of one-dimensional bare reactor, 23:43197
- ILAMED, Yehiel Lehrer Identities in universal enveloping algebra of SU$_3$, 23:18940
- ILAMED-LEHRER, Y. Theory of a real isotope enriching cascade. II, 22:12549
  - Theory of a real isotope enriching cascade. I, 22:12548
- ILARDI, Joseph Michael Szilard—Chalmers reaction in a series of praseodymium β—diketone chelates, 21:24046
- ILARDI, S. Standard chemical flowsheet for use of U(IV) in the Purex 1st cycle by means of complementary studies in mixer—settlers, 23:11604 (NP-17741)
  - Study of standard chemical (flow)-diagram for use of U(IV) in first purex cycle, 23:28942 (BNWL-tr-28)
  - Uranium nitrate as reducing agent for plutonium. V, 23:40796 (BNWL-tr-36)
  - Use of U(IV) in second U cycle of the Eurochemic plant, 23:11603 (NP-17740)
  - Use of U(IV) in second uranium cycle of Eurochemic plant, 23:40795 (BNWL-tr-35)
- ILARI, O. Contamination of air resulting from the resuspension of surface contamination, 25:32413
  - Control of contaminated air in a reactor fuel element fabrication plant, 25:8695
  - Measurement of β-active gases in the air, 25:26488
  - Radiation protection experience in Italian nuclear power plants, 25:53973 (A/CONF.49/P-191)
  - Risk evaluation of a high-activity installation, 24:31544
  - Studies on natural background radiation in Italy, 25:29205
- ILBERG, Ch. v. Diffusion and absorption of ThO$_2$ in cochlea of guinea pig. III. 23:20099
- ILBERG, Christoph v. Diffusion and resorption of ThO$_2$ in cochlea of guinea pig. II, 23:26674
  - Diffusion and resorption of ThO$_2$ in cochlea of guinea pig. I, 23:38433
- ILBERG, D. Measurement of the thermal neutron flux with foils, 22:23289
  - Self shielding and self absorption in gold foils, 22:6597
- ILBERY, P. L. T. Assessment of radiation damage in lymphocytes following radiophosphorus treatment in vivo, 25:49304 (CONF-710324-1)
  - Chromosome aberration following radiophosphorus treatment of polycythaemia, 25:42713
  - Cytogenetic techniques in radiobiological procedures, 23:12054
  - Lymphocyte as radiation dosimeter, 25:21720
  - Medical experience of the atomic bombings, 25:11238
  - Metastases from anaplastic thyroid carcinoma responding to radioiodine, 25:49267
  - Modification of an incompatible graft-versus-host relationship, 25:16050
  - Prevention of radioleukemia by lymph node shielding, 21:39501
  - Radioinduced mouse leukemia, 23:31701
- ILBERY, Peter Feasibility of cytogenetic assay in radiophosphorus dose assessment, 25:42399
- ILCEWICZ, F. H. Analysis of Pb and Te in biological materials, 25:20907 (ANL-7760(Pt.2), pp 53-62)
  - Palladium-210 and ^{210}Po in wood, 24:27501 (ANL-7615, pp 38-43)
- IL'CHENKO, A. M. Formation of dense plasma by injecting high-energy electron beam into magnetic trap mirror, 23:48917
  - Investigation of dense plasma formation using electron beam injection into magnetic trap, 25:3113
- ILCHEV, A. S. Relativistic quasipotential equations in the case of electromagnetic interaction, 25:1444 (JINR-E2-5225)
- ILCZUK, Z. Genetics of citric acid producing strains of Aspergillus niger. II, 24:44459
- ILCZUK, Zdzislaw Genetics of A. niger. I, 23:26752
- IL'ENKO, A. I. Accumulation of ^{137}Cs in populations of terrestrial vertebrates, 25:21581
  - Seasonal and age variation in skeletal radioactivity of Microtus agrestis L. following incorporation of ^{90}Sr under natural conditions, 21:36598
  - Species differences in accumulation of ^{90}Sr in small mammals, 25:21649
  - Strontium-90 and ^{137}Cs migration in food chains, 25:24081
- ILENKO, B. P. Investigation of plasmoids moving in a toroidal magnetic field, 21:3874
  - Investigation of the caputre of plasma in a closed trap, 21:44023
  - Measurement of plasma polarization in a closed magnetic system, 21:29272
- ILENKO, E. I. Mechanism of sorption of nitrosoruthenium nitrate complexes on ion exchange resins, 21:8249
- ILES, P. Impurity effects on annealing of radiation defects in silicon, 23:20987
  - Impurity effects on annealing of radiation defects in p-type silicon, 25:9549
- IL'EVSKII, L. E. Luminescence of silicon carbide on bombarding with charged particles of medium energy, 23:44525
- IL'EVSKII, S. A. Parameters of linear accelerator I-100, during acceleration of beams of high intensity, 23:44750 (IFVE-INZH-68-63)
- IL'EVSKII, S. I. Method for defining regime of acceleration in injector of accelerator, 23:21183 (IFVE-INZH-68-49-K)
  - Method of determination of acceleration regime of IFVE proton synchrotron injector, 23:32862 (CERN-Trans-69-9)
- ILFELD, David N. Synchronous shielding and field shaping for megavolt irradiation of advanced cervical carcinoma, 25:49260
- ILGACH, S. F. Anisotropy of 10^{10}- to 10^{13}-eV cosmic rays in galactic space, 22:11264
  - HL index of solar activity and yearly variations of cosmic rays, 25:30308
  - Sidereal diurnal variation of cosmic rays, 22:21948
- ILGEN, Karl Branching ratios and conversion coefficients of excited states of ^{208}Tl, 21:4290
- ILIAS, D. Early morning effect on F-region from ground station observations, 21:33281
- ILIASHENKO, B. N. Sensitivity of phage and complementary strands of phi X 174 DNA to uv light, 21:1711
- ILIC, D. Surface waves on inhomogeneous plasma columns, 23:3511
- ILIC, D. B. Surface waves on fluctuating plasmas, 24:30369
  - Surface-wave experiment on inhomogeneous plasma, 24:15309
- ILIC, Dragan Measurement of electron density by surface waves, 22:44107
- ILIC, V. Serum protein fractions in chronically x-irradiated rats, 21:8927
- ILICA, D. D. Determination of Au by precipitation with ^{51}Cr-labeled Reinecke salt, 25:48458
- IL'ICHEV, B. I. Optimum transition processes during power changeover in KS-1 type reactors, 23:15623
- IL'ICHEV, B. V. Dose distribution by method of reciprocal deduction, 25:525
  - Dosimeter with controlled energy, 23:50188
  - Effect of detectors' size on accuracy of dose field determination, 24:23205
- IL'ICHEV, N. A. Phenomenological lagrangians in quantum field theory, 25:30969
- IL'ICHEV, V. A. Reaction of hydroxylamine with uranyl ions, 21:42930
- IL'ICHEVA, Z. F. Electron spectra of rubber, subjected to effects of γ irradiation at 77°K, 22:33420
  - Spectroscopic analysis of radiation processes in rubber at low temperatures, 22:21098
- ILIC-POPOVIC, J. Anthracene gelatine films for luminescence degradation dosimetry, 23:33539
  - Applicability of a solid-state Bragg—Gray cavity chamber for luminescence degradation dosimetry, 25:55056
- ILIC-POPOVIC, Jovanka Use of polyvinyl-chloride film for electron beam dosimetry, 21:16207 (RISO-141)
- ILIE, V. Use of di-2-ethyl-hexyl-phosphoric acid salts as stationary phases in gas chromatography, 25:31771
- ILIES, C. Assimilation of ^{99}Mo and ^{86}Rb by the common reed, 23:22197
  - Water assimilation and ^{32}P distribution in various parts of cane, 23:12026
- ILIESCU, C. 8 MeV betatron with improved magnetic circuit, 24:26555
  - Fine structure of ^{12}C(γ,n)^{11}C cross section, 24:10916 (IFA-M-42)
  - Influence of dipole—quadrupole coupling upon ^{12}C(γ,n)^{11}C cross section, 24:1751
  - Photoneutron cross section for ^{59}Co and its fine structure, 24:43184 (IFA-M-45)
  - Photoneutron cross section for ^{75}As and its fine structure, 24:38137 (IFA-M-44)
  - Structure in giant resonance of ^{59}Co, 25:38932
- ILIESCU, E. Polarization of elastically scattered protons on Al, Mg, Cu, Zn at 6.6 and 7.4 MeV, 21:29940
  - Reaction ^{7}Li(p,α)^{4}He in 0.5- to 7-MeV energy range, 22:3619
- ILIESCU, N. Angular and energy distributions of slow neutrons in pentanol, 23:5795
  - Proton motions in some hydrogenous liquids by neutron scattering cross-section measurements, 22:24811
- ILIESCU, V. Paper chromatography of inorganic substances. VI, 22:16675

Paper chromatography of inorganic substances. VIII, 22:30570
ILIEU, F. Comparative radiometric investigations of the humidity of the soil, 22:30880
ILIEVA, Krasimira Diffusion neutron cooling in water medium with hollow cylindrical channels, 24:18351
ILIEVSKII, S. A. Beam regulation in a 100-MeV linear accelerator, 25:9914 (NP-tr-1926)
ILIFFE, C. E. Assessing the economics of nuclear power stations in an electricity generating system, 25:12724 (TRG-Report-2090)
  Computerised model of the nuclear sector of an electricity generating system, 25:50936 (TRG-Report-2097)
  Computerized model of the nuclear sector of an electricity generating system, 25:5898
  Economics of nuclear power, 22:14201
  Economics of plutonium utilization, 24:11137
  Economics of plutonium utilization in program of nuclear power, 21:2846
  Integration of different types of reactor within a generating system, 24:16209
  Place of fast reactor in U. K. nuclear program, 21:15721
  Sensitivity of uranium and separative work requirements to variations in reactor programs, 25:44127 (CONF-700903-17)
  Technical problems and economic prospects arising from the alternative methods of using plutonium in thermal and fast breeder reactor programmes, 25:54285 (A/CONF.49/P-496)
ILIN, B. I. Skin injuries caused by ionizing radiations, 23:8040
IL'IN, B. N. Role of a biological filter with sedimentation tanks in the decontamination of sewage from radioactive isotopes, 24:44468
ILIN, G. G. Plasma diagnostics by self-reversed contours of spectral lines, 22:5315
ILIN, L. A. Absorbed doses in thyroid gland in multiple introduction of radioiodine, 24:5981
  Basic results of the work on development of the radiation safety system in the USSR, 25:52062 (A/CONF.49/P-429)
  Behavior of radioactive zinc in the organism and the acceleration of its elimination, 23:22182 (AEC-tr-6944, pp 657-69)
  Binding of radioactive isotopes by skin, 24:50692
  Comparative behavior of ^{85}Sr and ^{140}Ba in skin, 25:57917
  Interaction of ^{99}Mo with biocomponents of skin, 24:23097
  Measures to protect population in accidental release of radioactivity, 24:7887
  Results of investigations of nuclear fall-out over the territory of USSR, 23:49954
IL'IN, M. I. Protein synthesis in early development of gurnard after radiation inactivation of nucleus, 22:51353
IL'IN, N. G. Effects of a cement ring on the resistance of casings against collapse, 22:12209 (UCRL-Trans-10163)
IL'IN, N. I. Radiotracer methods in the investigation of underground water flow, 21:30539
IL'IN, N. P. Physicochemical model for element separation during mantle differentiation, 25:13115
  X-ray spectra analysis, 22:4029
  X-ray-spectrographic fluorescent determination of zirconium and hafnium, 23:15786
IL'IN, R. N. Electron attachment to protons in alkali metal vapors with the formation of highly excited hydrogen atoms, 21:7010
  Electron binding energy in negative ion He$^-$, 25:9169
  Formation and Lorentz ionization of highly excited atoms, 25:58691
  Formation of highly excited atoms in the charge-exchange process, 24:17660
  Formation of highly excited He atoms during charge exchange, 24:45034
  Production of highly excited hydrogen molecules and atoms by fast H_2^+ and H_3^+ ions passing through H_2, Ne, and Mg and Na vapor, 22:13239
IL'IN, S. D. Uhf diagnostics of plasma jets, 21:20927
IL'IN, V. Veterinary treatment how is it done, 24:48599
IL'IN, V. D. Forces acting on charged current-carrying ring moving within a conducting cylindrical pipe, 21:16932
  High frequency discharge within a ring electrode, 21:15186
  Nonadiabatic losses of trapped protons in the dipole trap of the Earth, 24:12740
  Role of nonadiabatic particle losses in the inner radiation belt, 23:10542
  Scatter of charged particles on cyclotron-instability waves of radiation-belt plasma. I, 25:22454
  Variation of the first adiabatic invariant of a particle in a dipole magnetic field, 22:38931
IL'IN, V. E. Influence of heat treatment and irradiation on the luminescence of natural diamond, 22:37023
IL'IN, V. G. Electron paramagnetic resonance spectra of γ-irradiated decationized zeolites, 25:46512
  Protection of animals against injury by nuclear weapons, 25:58026
  Toxicology of nuclear explosion products, 25:23997 (JPRS-52583, pp 7-11)
IL'IN, V. N. Angular and energy distribution of fast neutrons in water, Li, and W hydrides, and boron carbide, 23:46535
IL'IN, V. S. Negative absorption of synchrotron radiation, 23:13015
IL'IN, Yu. I. Equipment for measuring fission parameters of nuclei, 24:27390
  Time-to-amplitude converter for measurements with NaI(Tl) scintillation detectors on linear accelerator, 22:38002
IL'INA, D. S. Analysis of kinetics and dynamics of ion exchange processes in strong diluted solutions, 22:20940 (ZFK-RN-31, pp 155-98)
IL'INA, E. V. Investigation of a supersonic rarefied argon plasma jet, 21:33376
  Investigation of the supersonic jet of rarefied argon plasma, 22:5319
  Plasma parameters and the population of excited atomic states in a low-current helium arc, 25:59017
  Population of hydrogen levels in the argon—hydrogen plasma jet, 21:6988
  Spectroscopic investigation of supersonic plasma jets, 24:23964
IL'INA, G. G. Ion source for mass spectra study of the energy characteristics of molecules, 21:22212
IL'INA, G. V. Radioprotective effects of certain antibiotics on wheat, 24:27418
  Uptake of ^{90}Sr by plants in relation to some other nutrient elements, 22:51359
IL'INA, M. A. Apparatus for studying superconductivity at pressures up to 50 kbar, 24:10459
  Apparatus for the investigation of superconductivity under pressure up to 50 kbar, 23:32287
  New superconducting modifications of bismuth, 24:35365
  Superconductivity of barium at high pressures, 24:28190
  Superconductivity of Te at high pressure, 25:33186
  Superconductivity of thallium at high pressures, 25:1108
IL'INA, N. P. Problem of angular distribution of μ mesons, 22:2848
IL'INA, V. A. Metals and alloys irradiated by neutrons, 24:8163
  Ordering processes in martensite irradiated with neutrons, 23:46097
  State of carbon in martensite as influenced by electron bombardment, 25:2764
ILINCEV, Georgi Liquid metal sampling apparatus, 24:19267
ILINCHEV, G. Effect of certain factors on the corrosion of structural materials in liquid sodium, 22:12966
  Effect of oxygen content in sodium on the corrosion and mass transfer of the ferrite and some stainless steels, 23:50983 (JPRS-48330, pp 462-77)
IL'INOV, A. S. Calculation of subsequent particle emission from highly excited nuclei with high angular momentum, 23:19371
  Calculation of successive particle emission by highly excited nucleus, 22:37376 (JINR-P4-3814)
  Cascade model of photonuclear reactions, 24:5441 (JINR-P2-4661)
  Classification of inelastic interactions of high-energy protons with nuclei. II, 25:17515 (JINR-P2-5549)
  Classification of inelastic interactions of high-energy protons and nuclei. II, 25:56522 (ORNL-tr-2520)
  Double differential distribution of particles produced in the proton-nucleus collisions, 25:20018 (JINR-P2-5507)
  Double differential distributions of particles produced in proton—nucleus collisions, 25:41254 (ORNL-tr-2477)
  Effect of the resonance production on the nuclear reaction mechanism, 25:25452 (JINR-P2-5546)
  Energy dependence of interaction cross sections of π-mesons with atomic nuclei at energies more than 50 MeV, 23:42558 (JINR-P2-4520)
  Energy dependence of interaction cross sections of π-mesons with atomic nuclei at energies higher than 50 MeV, 24:8831 (ORNL-tr-2236)
  High-energy interactions of γ-quanta with nuclei, 24:15791 (JINR-P2-4808)
  High-energy interactions of γ-quanta with nuclei, 24:20097 (ORNL-tr-2280)
  Inelastic interactions of particles and nuclei at high and superhigh energies, 25:1552 (JINR-E2-5282)
  Inelastic interactions of pions and nucleons with nuclei at high and superhigh energies, 24:52020
  Interaction mechanism of high and superhigh energy particles with atomic actions, 23:51951 (JINR-P2-4662)
  Interaction of relativistic deuterium and tritium nuclei with the photoemulsion ones, 25:25454 (JINR-P3-5548)
  Interaction of relativistic deuterium and tritium nuclei with the photoemulsion, 25:47892 (ORNL-tr-2503)
  Intranuclear cascade model, 25:38688
  Mechanism of interaction of high and ultra-high energy particles with nuclei, 24:15599 (ORNL-tr-2258)
  Systematics of inelastic interactions of high-energy pions and nucleons with atomic nuclei, 24:42982 (JINR-P2-5118)
  Systematization of the inelastic interactions of high-energy pions and nucleons with atomic nuclei, 25:15148 (ORNL-tr-2399)
IL'INSKAYA, T. A. Absorption spectra of uranium oxides. II, 24:9313
IL'INSKII, V. N. Cosmic gamma-ray measurements in range 0.3 to 3.7 MeV, 25:58831
ILIOPOULOS, J. C-violation in photoproduction of pions and in proton Compton scattering, 21:7485
  Can current algebra determine low-energy π-π scattering amplitude, 22:15774
  Current algebra and K/sub l3/ form factors, 21:37763
  Current algebra calculation of π—π scattering lengths, 22:3387
  Divergences of massive Yang—Mills theories, 25:19969
  Divergences of massive Yang—Mills theories: higher groups, 25:56542 (CNRS-CPT-71/P-378)
  Divergences of weak nonleptonic amplitudes and breaking of SU_3 x SU_3, 22:46488
  Leading divergences to all orders of weak interactions, 23:34570
  Phenomenology of CP violation in K^0 decays, 22:48342 (CERN-68-23(Vol.2), pp 497-521)
  Weak interactions with lepton—hadron symmetry, 24:49410
ILIYA, Fawzi A. Radioautographic studies in neoplasia of the uterine cervix, 22:40943
ILJINOV, A. S. Cascade model of photonuclear reactions, 24:28827 (ORNL-tr-2267)
  Further development of the intranuclear cascade model, 25:53227 (ORNL-tr-2502)
  Inelastic interactions of pions and nucleons with nuclei at high and superhigh energies, 24:1616 (JINR-E2-4607)
IL'KHAMDZHANOV, I. Properties of excited states of ^{151}Sm, 25:10035
IL'KHAMDZHANOV, N. Properties of the excited states of ^{147}Sm and ^{149}Pm, 25:12557
IL'KHAMDZHANOV, N. A. External magnetic field (Fe + Gd) and magnetic moments of some excited states (^{155}Gd,^{156}Gd), 25:53801
IL'KOV, L. V. Investigations of barium NKπ resonance with strangeness S = + I in the reaction $\pi^-p \rightarrow$ NKantiKπ with momentum of bombarding π^- mesons 3.25 GeV/c, 22:37079 (ITEF-584)
  Search for baryon NKπ resonance with strangeness S = +1 in reaction $\pi^-p \rightarrow$ NKantiKπ at incident pion momentum 3.25 GeV/c, 22:48240
ILKOVA, S. B. Determination of Eu and Yb in rare earth elements, 22:45017
  Polarographic determination of Bi, Cu, Pb, Cd, Zn as impurities in rare earth preparations, 25:57311
ILLARIONOV, A. F. Thomson scattering as a cooling mechanism for the solar corona, 25:27401
ILLASZEWICZ, A. Redox methods with neutron-activated silver metal (sup 110m/Ag) as a radioreagent, 22:40021
ILLES, F. Higher shells at 364-keV transition in the decay of ^{131}I, 23:44905
  Internal conversion ratios at 364-keV transition in decay of ^{131}I, 24:38222
ILLGEN, Joachim Production of multiply charged ions with the duoplasmatron ion source, 24:45693
ILLGEN, Lothar Evaluation of microhardness of highly elastic materials. II, 23:6727
  Metallographic investigations with the emission electron microscope, 22:27964
ILLINESI, P. Reflective coverings for scintillation counters, 24:27374
ILLING, R. G. Prog. rpt. on aerospace nuclear safety, 4—6/68, 22:42977 (SC-PR-68-451)
  Prog. rpt. on aerospace nuclear safety, 4—6/69, 23:40948 (SC-PR-69-434)
  Prog. rpt. on aerospace nuclear safety program, 7—9/69, 24:7592 (SC-PR-69-672)
  Prog. rpt. on aerospace nuclear safety, 10/1—12/31/69, 24:14172 (SC-PR-69-881)
  Prog. rpt. on aerospace nuclear safety, 4—6/70, 24:41616 (SC-PR-70-435)
  Prog. rpt. on aerospace nuclear safety, 7—9/70, 25:4216 (SC-PR-70-682)
ILLINGWORTH, G. I. /sup 87m/Sr in prognosis of fractures fof tibia, 25:46908
ILLINGWORTH, R. Laser action and plasma properties of argon Z-pinch discharge, 24:28268
ILLMAN, Barry Leeds Generally covariant nondivergent equations of motion of a charged particle, 25:7502
ILLNER, E. Spectrophotometric measurements on La(III)-alizarin-S complex, 21:40774
ILLUMINATI, G. Kinetic hydrogen isotope effects in the piperidino dehalogenation of heteroaromatic substrates, 23:2267
ILLUMINATI, Gabriello Kinetic hydrogen isotope effects in the bromination of some polyalkylbenzene systems, 21:12394
ILLY, H. Isotopic effects on vapor pressure. II, 21:17643
  Isotopic effects on vapor pressure. III, 22:42665
  Vapor pressures of some deuterated alcohols and amines, 22:10249
ILMAIER, B. Extraction of U(VI) with N-benzylaniline and N-butylaniline, 23:13831
IL'MAS, E. R. Multiplication of electron excitations and generation of radiation defects in ionic crystals, 21:21059
  Photon multiplication in crystals and radioluminescence, 21:25211
  Role of electronic excitations in radiation coloration of ionic crystals, 21:25186
IL'MAS, M. E. Spectrum of AG Pegasi in 1965, 23:3193
IL'NITSKII, A. P. Stability of cancerogenic substances in water and the efficacy of methods of its decontamination, 25:46511
ILOVAISKY, S. A. Distances to x-ray sources, 25:22284
  Radio identification of GX 5-1, 25:45218
ILOVAISKY, Sergio A. Investigation into the mode of excitation of the symbiotic variables, 23:6789
ILOZHEVA, L. V. Kinetics of extraction of Am(III) from perchloric acid solutions by bis(2-ethylhexyl) phosphate in decane, 25:15741
ILSCHNER, B. Creep behavior of Fe—Mo alloys, 24:4799
  Creep behaviour of Fe—Mo solid solutions, 23:24925
ILSCHNER, Bernhard Comparison of high-temperature creep of some homogeneous iron and nickel alloys, 25:16452
  Precipitation of phase in Fe—Mo alloy, 23:12336
IL'VES, E. Noise-level power equivalents of some photoelectron multipliers, 21:41296
IL'YASHENKO, B. N. Photoreactivation and uv reactivation of photochemical damages to bacteriophage PHI X174, 24:51107
  Uv-sensitivity of phages l/sub phi/-7 and T7 and their infectious nucleic acids, 22:21420
IL'YASHENKO, V. S. Phase diagrams of systems Li_2SO_4—$R_2(SO_4)_3$ (R = Eu^{3+}, Gd^{3+}, and Tb^{3+}), 23:7529
IL'YASOV, A. Z. Coulomb excitation of ^{105}Pd, 23:17117
  Coulomb excitation of nuclear levels ^{53}Cr, ^{19}F, ^{59}Co, ^{61}Ni, ^{91}Zr, ^{92}Zr, ^{94}Zr, ^{111}Cd, ^{121}Sb, ^{123}Sb, and ^{123}Te, 23:25857
  Magnitude of reduced magnetic dipole transition probabilities in ^{165}Ho, 22:9866
  Studies of ^{149}Sm levels by Coulomb excitation, 22:39665
ILYASOV, V. M. Stability and creep of irradiated Al, 24:14842
ILYASOVA, G. A. PF-4 experimental equipment for studying neutron energy spectra, 22:20423 (JPRS-43682, pp 199-222)
ILYASOVA, N. V. Spectrographic determination of small amounts of thorium in silicate rocks, 22:22951
ILYIN, Yu. M. Introduction of resonances into chiral U(3) x U(3) dynamics, 23:42708 (ITF-69-41)

- ILYINA, G. V. Radioprotective properties of some antibiotics applicable to plants, 23:35938
- IL'YUCHENOK, T. Yu. Pharmacology of the indol and benzofuran derivatives, 25:44833
- ILYUKHIN, A. S. Corrosion and electrochemical behavior of zirconium alloy, 25:42814
- ILYUKHIN, A. V. Admissible radiation doses for long space flights, 25:24338 (JPRS-52402, pp 9-16)
  - DNA synthesis and marrow cell differentiation of dogs exposed to simulated radiation of space flights, 25:32577
  - Effect of polyglucine on course of radiation sickness, 21:1779
  - Erythropoiesis in dogs exposed to gamma irradiation simulating space flights, 25:39927
  - Experimental verification of permissible radiation doses upon extended space missions (chronic experiments on dogs), 23:29755
- ILYUKOVICH, A. M. High-precision electrometric integrating amplifier for measuring ionization currents and electric charges, 22:2366
- ILYUSHCHENKO, N. G. Diffusional silicification of Mo, W, and Nb in molten salts, 24:42074
  - Hydrolysis of thorium fluoride in fused salts, 22:37719 (UCRL-Trans-10235)
  - Interaction of beryllium with metals in fused salts, 24:51136
  - Nonelectrolytic siliciding of VN-2 alloy in molten salts, 25:49399
  - Thermodynamics of Cu—Zr systems, 24:51177
- ILYUSHCHENKO, V. I. Electron beam multicharged ion source, 23:23575 (ANL-Trans-721)
  - New isotope ^{242}Cf, 22:14060
  - Production of highly stripped ions in ultrahigh-vacuum electron-beam source, 23:33552 (JINR-P7-4469)
  - Synthesis of 102 isotopes with mass numbers 254, 253, and 252, 21:1074 (JINR-P-2839)
  - Synthesis of einsteinium isotopes in reactions with nitrogen ions, 21:17364
  - Synthesis of element 102 isotopes with mass numbers 256 and 255 in reactions induced by O ions, 21:10001 (JINR-P7-3059)
  - Synthesis of Fm isotopes with mass numbers 247 and 246, 21:10000 (JINR-P7-3022)
  - Synthesis of Fm isotopes with mass numbers 247 and 246, 21:38353
  - Synthesis of isotopes of element 102 with mass numbers 254, 253, and 252, 21:30017
  - Synthesis of the isotopes of the element 102 in reactions with mass numbers with oxygen ions, 21:34003
  - Ultrahigh vacuum electron beam source of highly stripped ions, 24:45698
- ILYUSHENKO, L. F. Electrodeposition of Fe—Ni—Mo ternary alloys, 24:44685
- IL'YUSHINA, E. A. Calculation of Cherenkov losses by extended charge systems, 22:39216
- IM, Ho Bin Photoelectronic evaluation of electron radiation damage in CdS crystals, 22:29573
- IM, K. H. Induction of mutation by radiation and chemicals. III, 24:6027
  - Induction of mutations by radiations and chemicals. I, 23:4910
- IM, S. J. Prog. rpt. on construction and installation of equipment for the study of urania gels, 6/67, 21:35921 (TID-23921)
  - Pyrolysis and chromatographic analysis of urania gels and beads, 22:33296 (TID-24524)
  - Shrinkage measurements of thoria compact-DT containing added impurities, 21:32975 (TID-23882)
- IM, Suck Joong Sintering and grain growth of thoria gels containing calcium oxide, 21:32955 (TID-23883)
- IM, Suk Joong Grain growth of thoria gel, 21:32993 (TID-23884)
  - Sintering and grain growth of thoria gels. I and II, 22:13054
- IMACHI, Masahiro Backward peak in pion—nucleon scattering and composite structure of the pion, 21:13710
  - Degeneracy of Regge trajectories, 23:46848
  - Dip-bump structure of cross section and urbaryon rearrangement, 24:49495
  - Dip-bump structure of cross section and urbaryon rearrangement. II, 25:12219
  - Exotic resonances, urbaryon rearrangement and hadron structure, 25:12183
  - Finite-energy sum rules and duality of sakaton rearrangement diagrams, 24:49459
  - Hadron reactions and urbaryon rearrangement. I, 25:53149
  - High energy inelastic scattering by rearrangement of sakatons, 22:15752
  - High-energy forward scattering and the urbaryon model, 21:35300
  - Quarks as quasi-particle and the cluster model of hadrons, 22:13739
  - Rearrangement of sakatons and high energy two-body scattering, 22:52971
  - Rearrangement of urbaryon lines and forces between composite hadrons, 24:49434
  - Regge pole exchange and oscillatory behavior in $K^{+}p$ scattering, 24:42990
- IMADA, H. X-ray protection equipment for infants, 22:8534
- IMADA, Kiyohisa Viscoelastic properties of single-crystal polymers obtained by radiation-induced solid-state polymerization, 21:30448
- IMAE, J. Reliable, inexpensive, transistorized liquid N level controller, 21:4736
- IMAEDA, K. Azimuth angle distribution of particles of cosmic-ray jets, 23:39597
  - Elastic scattering of target protons in nucleon—nucleus collisions, 25:33545
  - Inelasticity of cosmic-ray jets of 10^{13} eV, 22:29622
  - Multiplicity and angular distribution of secondaries in high-energy jets, 22:32060
  - Statistical thermodynamics of hadron gas and liquid drops, 25:22846
  - Transverse-momentum distribution of secondaries from high-energy nuclear interactions and interpretation by means of a statistical model, 21:21204
- IMAEDA, Takeyoshi Renal scanning with /sup 113m/In, 23:50707
- IMAEV, E. G. ADC of pulse height analyzer having 8192 channels, 22:43026 (JINR-P13-3911)
  - Recording device for fission fragments in an internal beam of 310 cm cyclotron, 21:6232
  - Synthesis and determination of radioactive properties of some fermium isotopes, 21:5531 (JINR-P-2904)
  - Synthesis and determination of radioactive properties of some isotopes of fermium, 21:19278
  - Using transistorize accurate amplitude generator as source of reference pulses in stabilization systems of spectrometer channel, 21:24247 (JINR-P13-3246)
- IMAGAWA, H. Measurement of the fast neutron fluxes in an experimental critical assembly. I, 25:48905 (JAERI-Memo-4337)
- IMAGAWA, Hiroshi Radiophotoluminescent centers in silver-activated phosphate glass, 22:7360
- IMAGAWA, Koji Reduction of niobium pentoxide with magnesium, 23:35121
  - Utilization of pegmatitic ores, 25:54752
- IMAHASHI, Masayuki Titanium and Zr in hydrothermally altered rocks, 25:2098
  - Uranium and Th in hydrothermally altered rocks under acid conditions, 24:44113
- IMAHASHI, Tsuyoshi Determination of Sc, Cr, Fe, Co, Zn, and Sb in deposits and airborne particulate by neutron activation analysis, 25:12975
  - Determination of Sc, Cr, Fe, Co, Zn, and Sb in deposits and airborne particulates by neutron activation analysis, 25:29032
  - Determination of V in deposit and airborne particulate, 24:11483
- IMAHORI, Akira Study of combination of whole-body counting and partial-body counting, 22:2365
- IMAI, H. Heats of hydrolysis of thorium carbides, 25:29966
- IMAI, Hikaru Gamma irradiation units, 24:355
- IMAI, Hisaichi Device for securely hooking the lid of a radiation shielded container, 22:49058
- IMAI, Hisao Cobalt-60 irradiation facility, 24:31571
- IMAI, Hisashi Preparation of thorium carbides, 21:32966
- IMAI, Isao Thin airfoil theory in magnetoaerodynamics, 25:11772
- IMAI, Itaru Charged particle activation analysis for C, N, and O in semiconductor in Si, 24:47
- IMAI, James Susumu Ultrasonic attenuation in liquid helium at 1 GHz, 24:10471
- IMAI, Kazuhiko External exposure to ^{41}Ar released from multiple sources, 21:22438
  - Gamma-exposure due to radioactive cloud, 24:20900
  - Graphic aid in the assessment of gamma-exposure due to a radioactive cloud released from a point source, 24:41432 (JAERI-1189)
- IMAI, Ken Device for conveying a radiation source, 22:47308
  - Device for irradiating with radiations, 22:49004
- IMAI, Kiyoko Adsorption of radiostrontium on calcium phosphate—anion exchange resin, 22:51052
  - Isolation of ^{137}Cs with Cu ferrocyanide-anion exchange resin, 21:28073
  - Multi-loaded metal salt—ion exchange resins. I, 23:47619
  - Radiochemical application of iron ferrocyanide-anion exchange resin, 22:40201
- IMAI, Munemaro Pulsed reactor experiment and analysis for reactivity accident evaluation, 25:23349
  - Self-limiting power excursion characteristics of light water reactor. I, 23:17258
  - Self-limiting power excursion characteristics of light water reactor. II, 23:26100
  - Self-limiting power excursion characteristics of light water reactor. III, 24:5551
- IMAI, Munemaru Self-limiting power excursion test on light-water reactor, 23:13547
- IMAI, R. Computerized materials accounting system at Tokai Power Station, 25:21320
  - Dynamic safeguards system for multiple action levels, 25:21311
  - Measurements to confirm the Tsuruga BWR power distribution, 25:50951
- IMAI, Ryukichi Direction of development on a nuclear fuel cycle, 25:19189
  - Nuclear fuel cycle in Japan, 24:24731
  - Nuclear power as source of energy in Japan, 25:59904
  - Peaceful uses of nuclear explosion, 23:11683
  - Review on the national safeguards system in Japan and its system study, 25:51760 (A/CONF.49/P-828)
  - Start up of Tsuruga Nuclear Power Station, 25:23137
  - Uranium enrichment within the fuel cycle in Japan, 24:24730
- IMAI, Sakingo Radioactivation analysis of trace elements in rice, 22:50
- IMAI, T. NMR and electron microscopy studies on irradiated lithium hydride, 24:42838
  - Observation of bubbles in gamma-irradiated lithium hydride, 24:14816
  - Thyroid crisis following ^{131}I therapy, 25:26881
- IMAI, Takashi Circuit for transmitting a signal voltage in an electron gun, 23:21200
  - Pitch-angle distribution of fast electrons, 25:58904
  - Power sources for a bombarder-type electron gun, 22:11849
- IMAI, Takayoshi Fuel cycles of nuclear reactors in Japan, 22:32849
- IMAI, Takeshi Device for ascertaining the position of radiation source, 22:8427
  - Gamma-irradiation equipment for biological study, 23:19884
  - Gamma-ray irradiation facility for biochemical research, 21:12556
  - Large gamma irradiation equipment, 23:33307
  - Protective device with forced cooling for a radiation source, 23:40978
- IMAI, Tetsu Analysis of post-meltdown accident phenomenon in reactor vessel, 24:33367
- IMAI, Toru High temperature internal friction of Fe and Fe—Cr and Fe—Mo alloys, 24:29969
- IMAI, Toshikazu Irradiation device with bremsstrahlung, 23:26411
- IMAI, Y. Main failures in primary circuit at Tokai Power Station, 24:28866
- IMAI, Yoshio Operation of Tokai Power Station of JAPC, 24:24733
- IMAI, Yunoshin Effects of alloying element on supercooled A_3 transformation, 24:29981
- IMAISHI, Hisae Structure of trans ethyl methyl ether and the W form of diethyl ether, 25:29072
- IMAIZUMI, M. Elastic scattering of 55-MeV protons from heavy nuclei, 21:15598
  - Polarization of neutrons from the reaction $^{12}C(d,n_0)^{13}N$ below 1.8-MeV deuteron energies, 22:26897
  - Spin—spin interaction of 1.19-MeV polarized neutrons with polarized ^{59}Co nuclei, 22:27024
- IMAIZUMI, Minoru Low-energy (p,n) reaction on ^{55}Mn and the low-lying excited states of ^{55}Fe, 21:7751
  - Nuclear spin—spin effect in total cross section for 1-MeV polarized neutrons on polarized ^{59}Co nuclei, 23:49354 (ISSP-A-371)
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:13863
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:17383
  - Spin—spin interaction of 7.90-MeV polarized neutrons with polarized ^{59}Co nuclei, 23:25888
- IMAKUBO, Keiichi Luminescence of nucleosides, nucleotides, and DNA at 77°K, 22:49199
- IMAM, M. Theoretical determination of fast neutron spectra for a nuclear reactor in combined layers of water and aluminum, 21:29855
- IMAMOTO, K. Medical aspect of chronic hypoxia in radiation exposed glomerulus in hamsters treated with injected ozone gas, 25:42636
- IMAMOTO, S. S. Boundary of energetic electrons during January 13—14, 1967, magnetic storm, 22:47979
  - Observations of energetic electrons at synchronous altitude. I, 22:41479
  - Prog. rpt. on ATS-1 omnidirectional spectrometer, 5/15—8/15/67, 22:34357 (AD-663234)
- IMAMOTO, Sam S. Boundary of energetic electrons during January 13—14, 1967 magnetic storm, 22:36797 (AD-665422)
- IMAM-RAHAJOE, R. Soesanto Collisional transfer contributions in the quantum theory of transport phenomena, 22:29522
- IMAMURA, Gen Parallel-electrode type charged particle accelerator, 22:13890
- IMAMURA, Hiroshi Application of energy transfer phenomenon to gas analysis, 21:17591
  - X-ray spectrochemical analysis of cement, 21:2996
- IMAMURA, Kazuhide Experimental studies on the effects of ^{60}Co gamma irradiation on the brain of cats, 21:8946
- IMAMURA, Kunio Activation analysis (γ,n) of Zn, Ni, and Cu metals contained in rubber vulcanizates, 22:12260
  - Deterioration of polymers by ionizing radiation. V, 22:8139
  - Deterioration of polymers by ionizing radiation. IV, 22:8138
  - Deterioration of polymers by ionizing radiation. VI, 22:45113
  - Deterioration of polymers through ionizing radiation. I, 22:6325
  - Deterioration of polymers through ionizing radiation. III, 22:6326
  - Deterioration of polymers through ionizing radiation. II, 22:6322
- IMAMURA, M. Neutron activation for ^{53}Mn in meteoritic iron, 23:37927
  - Radiolysis of methanol by $^{10}B(n, \alpha)^{7}Li$ recoils, 21:45149 (NP-tr-1577)
  - Studies of radiation chemistry and biology with the IPCR 160 cm cyclotron, 25:16042
- IMAMURA, Masakatsu Electron microscopic study on acute thymic involution induced by polyoma virus infection, 25:58114
- IMAMURA, Masashi Effect of nitrous oxide on radiolysis of liquid methanol with recoils from $^{10}B(n,\alpha)^{7}Li$ reaction, 21:28000
  - Gamma-radiolysis of a binary mixture of methanol and water, 23:15900
  - Isotopic compositions of the H produced from liquid methanol-d_1 by irradiation of ^{60}Co γ rays and of $^{10}B(n,\alpha)^{7}Li$ recoil particles, 22:21130
  - Pulse radiolysis of alkali halides, 24:27172
  - Pulse radiolysis studies of acetone solutions of biphenyl and anthracene, 25:48560
  - Pyrene dimer cation as studies by pulse radiolysis, 25:51532
  - Radiation chemical studies with cyclotron beams. I, 24:20801
  - Radiation chemical studies with cyclotron beams. II, 25:6366
  - Radiolysis and photolysis of methanolic solutions of eosin. II, 24:36331
  - Radiolysis and photolysis of methanolic solutions of eosin. I, 24:36330
  - Radiolysis of tetrahydrofuran, 24:11588
  - Yields from γ-irradiated methanol containing N_2O, 21:15944
- IMAMURA, Mineo Determination of cosmic-ray-produced potassium and calcium in iron meteorites, 23:11430
  - Determination of cosmic-ray-produced titanium and vanadium in iron meteorites, 23:11429
- IMAMURA, Nobutaka Effect of partial marrow shielding on hematopoietic recovery, 23:43861
  - Effect of partial marrow shielding on hematopoietic recovery in heavily irradiated mice, 25:58124
  - Synergistic action of radiation and virus in induction of leukemia, 24:34681

- IMAMURA, Rikizo Manufacture of DP pulps by irradiation. I, 25:41873
- IMAMURA, Tadashi Self-energy in quantum field theory, 24:18269
- IMAMURA, Tsutomu Asymptotic method for the Vlasov equation. I, 24:12866
- IMAMURA, Yoshio Hardness method for detecting the transition of brittleness of steels and its application, 25:49426
- IMAMVERDIEVA, F. B. Extraction-photometric determination of rare-earth metals with xylenol orange in the presence of diphenylguanidine, 24:38725
- IMANGALIEVA, N. T. Content of protein SH-group in tumors of different radiosensitivity in norm and after irradiation, 25:42618
  - Investigation of acquired radioresistance of sarcoma 45 in rats, 24:34703
- IMANI, K. Pulsed ionization chamber output voltage characteristics, 24:5899
  - Wide-range measurements of neutron flux and reactor power by pulsed ionization chamber technique, 25:39731
- IMANI, Kazutake Nonequilibrium MHD power generation by a shock tube, 22:47866
  - Nonequilibrium MHD power generation, 23:20742
  - Properties of combustion gas and its plasma, 23:12608
  - Shock heated Ar—K and N$_2$—K plasmas in transverse magnetic field, 22:5359
- IMANISHI, A. Photoproduction of K$^+$ mesons and polarization of Λ^0 hyperons in 1-GeV range, 24:45406
- IMANISHI, Akira Energy indicator of the electron synchrotron, 25:38836
  - On-line data taking program for PDP-8 computer and DEC tape, 24:39388 (INSJ-118)
- IMANISHI, Atsuo Device for a nuclear reactor, 22:22783
- IMANISHI, B. Coupled-channel studies of (d,p) reaction, 22:27356
  - Finite size effects of the transferred system in the two-nucleon transfer reactions, 22:27359
  - Quasimolecular states in interaction between ^{12}C and ^{12}C nuclei, 23:15371
  - Resonance energies and partial widths of quasimolecular states formed by the two carbon nuclei, 22:46723
  - Validity of DWBA for (d,p) reactions, 24:3869
  - Validity of DWBA for (d,p) reactions, 24:43572
- IMANISHI, Bunryu Deuteron stripping reaction by coupled channel theory. I, 23:40144
  - Deuteron stripping reaction by coupled channel theory. II, 24:43488
  - Finite size effects in the two-nucleon transfer reactions, 22:18340
- IMANISHI, N. Coriolis-coupling calculation of low-lying states in As isotopes, 23:17100
  - Coulomb excitation of ^{45}Sc, ^{75}As, ^{127}I, and ^{133}Cs, 21:42588
  - Decay of /sup 77m/Ge, 23:39987
  - Decay of /sup 77m/Ge, 25:7824
- IMANISHI, Nobutsugu Problems in heavy ion discrimination, 23:35461 (KURRI-TR-10, pp 24-34)
  - Subharmonic acceleration of heavy ions by cyclotron of Kyoto Univ, 22:35191
- IMAOKA, M. Concentration to high levels of heavy oxygen (^{18}O) by thermal diffusion method, 23:24387 (MLM-1634(tr))
- IMAOKA, Masohiro Enrichment of ^{18}O of high concentration by thermal diffusion method, 22:47300
- IMARISIO, G. Behaviour of zirconium alloys in terphenyls at high temperature, 24:48800
- IMARISIO, G. C. Selection of new zirconium alloys for high temperature terphenyls, 25:6837
  - Thermosiphon loops for corrosion measurements in high temperature terphenyls, 25:24534 (EUR-4620)
- IMARISIO, Giancarlo Method of producing alloys of Zr with Fe, V, and Cr for use in nuclear reactors cooled with an organic coolant, 23:16474
  - Process for purification of terphenyl and/or analogous organic materials, 22:30653
- IMASAKI, Masahide Approach to the stability criterion for a nuclear reactor, 25:10316
  - Modal analysis of neutron-flux spatial oscillation, 22:35546
- IMATAKE, Akiko Piezoabsorption of graphite in ultraviolet region, 24:12902
- IMAZU, S. Effect of helical instability on the radial density and potential distribution, 25:27738
- IMAZU, Shingo Characteristics of magnetized plasma in the m = 1 mode domain, 24:17955
  - Hysteresis in the helical instability of the positive column in a magnetic field, 23:18681
  - Quasi-neutral screw instability of a positive column, 23:10688
  - Radial density distribution in positive column in magnetic field, 24:30322
- IMBACH, A. Metabolic studies with seleniated compounds. II, 22:30979
  - Metabolic studies with seleniated compounds. I, 22:33723
- IMBERT, F. Isothermal heating of cathodes by a heat pipe, 24:26244
- IMBERT, M. Orbital elements and dimensions of eclipsing system MM Her, 25:32936
- IMBERT, P. Dispersion phenomena associated with the Moessbauer absorption lines of ^{57}Fe, 21:4368
  - Moessbauer study of Fe^{2+} ions in spinel-type compounds, 22:24423
- IMBERT, Pierre Dispersion phenomena connected with absorption by recoilless nuclear resonance fluorescence, 21:2654 (CEA-R-2925)
- IMBIMBO, E. S. Atomic absorption analyses for Ca, Li, Mg, K, Rb, and Sr, 22:27563
- IMBIMBO, Eugene S. Concentration changes of ions in Hudson River, N. Y, 23:2414
- IMBO, G. Radioactivity of volcanic samples, 24:22783
- IMBORNONE, Carol J. ^{111}In-labeled transferrin for the detection of tumors, 25:44851
- IMBRECHTS, C. CAD helps in choosing devices for circuit optimization, 24:4540
- IMBRIALE, William A. Two-dimensional inverse scattering problem, 24:51754
- IMBUSCH, A. Energy-loss spectrum of fast electrons in Al and Pb foils, 24:44983
  - Influence of surfaces on energy losses of fast electrons traversing thin Al-films, 22:52499
  - Method for preparing thin self-supporting Pb films, 21:31674
- IMELIK, B. EPR study of paramagnetic center from γ irradiation of silica—alumina, 24:24136
- IMELIK, Boris Atomic hydrogen trapping in irradiated zeolites NH$_4$Y and HY, 25:31985
  - Irradiated silica—alumina. I, 23:9462
  - Irradiated silica-Al. II, 23:17486
  - Study of the thermal decomposition of irradiated gibbsite, 21:4568
  - Study, by infrared spectrography, of hydrates of uranyl nitrate, 22:12292
- IMENITOV, A. V. Gas evolution from Mo, 23:46048
- IMESON, T. C. Scattering of low-velocity neutral particles: Cs—He, Cs—Kr, and Cs—Xe interactions, 24:39879
- IMHAUSEN, Karl-Heinz Process for production of polyethylene, 22:10314
- IMHOF, H. Renal computer scintigraphy, 24:36788
  - Scintigraphic evaluation of activity of Paget's disease, 25:55294
  - Spleen scintigraphy with /sup 113m/In-labeled erythrocytes, 25:19036
- IMHOF, J. P. Satellite-borne instrument for the measurement of soft solar x rays, 25:8499
- IMHOF, R. E. Electron—photon coincidence method for measurement of lifetimes in atoms and molecules, 25:40365
  - Lifetime measurements by an electron—photon coincidence method, 25:16775
  - Measuring atomic and molecular lifetimes, 23:48719
- IMHOF, W. L. Electron precipitation in the radiation belts, 22:36838
  - Electrons trapped on low L shells, 21:25039
  - High-resolution studies of electrons 25 keV to 2.7 MeV precipitating at high latitudes, 24:17759
  - High-sensitivity particle spectrometer for the measurement of polar-cap-absorption events, 24:39326
  - Low altitude measurements of trapped electrons, 21:9428
  - Performance of large germanium detectors at elevated temperatures for satellite applications, 25:57791
  - Prog. rpt. on analysis of radiation data from Gemini 4 and Gemini 7 proton—electron spectrometer experiments, final, 6/13/67—12/30/68, 23:27444 (N-69-14773)
  - Prog. rpt. on high-resolution gamma-ray spectroscopy study, annual, 12/31/69, 24:33914 (AD-698558)
  - Prog. rpt. on high-resolution gamma-ray spectroscopy study, 1970, 24:39094 (AD-703320)
  - Prog. rpt. on proton—electron spectrometer experiments on Gemini-4 and Gemini-7, final, 5/27/63—9/30/66, 21:43894 (N-67-23326)
  - Solar particle cutoffs as observed at low altitudes, 25:43234
  - Source of high-energy protons trapped on low L shells, 23:48837
- IMIELINSKI, Leslaw B. Parasitic tumor of the IV ventricle, 24:17093
- IMIG, J. K. HNPF steady-state moderator cooling, 21:27687 (NAA-SR-Memo-4815)
- IMIG, Leland A. Effect of temperature on fatigue, 21:13144 (N-66-26752)
- IMINOV, I. Calculations of current and voltage pulses produced by ionizing particles in thin semiconductor counters, 23:6288
- IMLAY, R. Branching ratio for decay of phi mesons into lepton pairs, 25:59310
  - Decay into muon pairs of photoproduced phi mesons, 24:40235
  - Photoproduction of muon pairs at 7 to 9 GeV, 23:30695
  - Photoproduction of muon pairs, 24:51898
  - Search for new vector bosons and a test of quantum electrodynamics, 24:32959
- IMLAY, R. L. Energy dependence of the form factor in K/sub e3/$^+$ decay, 21:42251
  - Measurement of the K/sub e2/$^+$ branching ratio, 21:18888
  - Positron momentum spectrum and branching ratio of K/sub e3/$^+$ decay, 22:15666
- IMLAY, Richard L. Energy dependence of form factor in K/sub e3/$^+$ decay, 21:35255 (PPAD-621-F)
- IMLAY, Richard Larry Energy dependence of the form factor in K$^+$/sub e3/ decay, 22:34835
- IMM, R. Self-diffusion and isotope effect in γ-iron, 23:9377
- IMMEDIATO, H. Representations and extensions of Jordan algebra, 24:26458
- IMMIRZI, G. Identity for the crossing angles and the amplitudes for boson—fermion scattering, 23:7148
- IMMIRZI, Giorgio Some general properties of the crossing relations, 24:52214
- IMOTO, Michiko Regge pole representation for the exchanged rho resonance, 21:4042
  - Reggeized short range potential and resonance width, 22:52980
- IMOTO, Mitsuo Nonleptonic decays, 22:1422
  - Phenomenological approach to nonleptonic decays. II, 22:41781
  - Phenomenological approach to nonleptonic decays. I, 22:41785
  - Universal interaction for hyperon nonleptonic decay and interpretation of P-wave problem, 25:40952
- IMOTO, Monoru Studies on polymer blends. II, 22:27747
- IMOTO, S. PMR of uranium(IV)—cupferrate, 24:5661
  - Solid solubility in NaCl-type uranium compounds, 22:31469
- IMOTO, Shosuke Energy band structure of uranium compounds, 23:42481
  - Hydrolysis of uranium carbonitrides, 24:16519
  - Hydrolysis of uranium nitrides, 23:28832
  - Magnetic properties of uranium compounds with NaCl type structure, 24:37561
  - Magnetic susceptibility and electrical resistivity of uranium phosphides, 23:49005
  - Preparation and properties of thorium phosphides, 23:22705
  - Preparation of anhydrous uranium tetrachloride and measurements on its magnetic susceptibility, 25:57419
  - Preparation of uranium and thorium phosphides, 21:40868
  - Study of UC/sub 1-x/O/sub x/. III, 21:26903
  - Thermochemical study of uranium oxycarbide, 22:42657
  - Thermodynamic calculations on quinary system U—Pu—C—O—N, 25:42998
- IMPENS, R. Ecological study of two aphid vectors of the sugar-beet virus, 24:31898
- IMPERATO, G. Method for calculating Pu-enriched cores, 22:24955 (EUR-3891)
- IMPINK, A. J. Reactor fouling experiment, 21:13992 (WCAP-3269-58)
  - Saxton Core I nuclear operations summary, 23:52283 (WCAP-2928)
  - Saxton Core II nuclear operations summary, 25:20705 (WCAP-3385-55)
- IMPINK, Albert J. Jr. Comparison of predicted and measured nuclear design parameters at beginning of life of cycle 1 in the San Onofre Reactor, 23:15559 (WCAP-3269-66)
- IMPRESCIA, R. J. Estimation of optimum binder concentration for molded carbons, 22:49784 (LA-3901)
- IMPROTA, S. Efficiency of copper-walled, CO$_2$-filled proportional counters, 24:46479
- IMRE, J. Air permeability of soils by radium emanation method, 24:22781
- IMRE, Kaya Correlationless plasma with time-dependent background state, 22:1209
  - Electromagnetic properties of a half-space relativistic plasma, 25:19740
  - Mode coupling at the boundary of a relativistic collisionless plasma, 24:21835
  - Wigner method in quantum statistical mechanics, 21:40294
- IMRE, L. Corrosion kinetic studies by radioactive method. I, 22:2575
- IMRE, Lajos Nuclear chemical significance of absolute radioactive measurements. II, 21:15971
  - Thermodynamic problems involved in the concentration by coprecipitation and separation of microamounts of radioactive atomic species. I, 25:37492
- IMRIE, D. Angular distributions for π^+ electroproduction and pion factor, 22:34830
  - Differential cross sections for neutral-pion electroproduction near the first pion—nucleon resonance, 22:26552
  - Phenomenological analysis of neutral pion electroproduction and γNN^* form factor, 22:26609
- IMRIE, D. C. Elastic electron—proton scattering cross sections measured by a coincidence technique, 24:37607
  - Experimental test of quantum electrodynamics by muon bremsstrahlung, 23:21154
  - High-energy muon inelastic scattering, 23:21055
  - Measurement of the differential cross section in p—p scattering at 49.41 MeV, 21:27519
  - Search for electroproduction of N' (1470) resonance from deuterium, 23:14942
  - Single-pion electroproduction, 24:3494
- IMRISOVA, D. Radiation-induced graft polymerization of vinyl monomers to cellulose by infrared spectroscopy. II, 22:45136
  - Study of radiation-induced graft polymerization of vinyl monomers to cellulose by infrared spectroscopy. I, 21:28023
- IMRY, Y. Anisotropy and phase transition effects in neutron scattering from KH$_2$PO$_4$, 21:16986
  - Do long-range quantum phase fluctuations inhibit superfluidity in thin systems, 23:25260
  - Effective long range order and phase transitions in finite, macroscopic one and two dimensional systems, 23:13006
  - Flux quantization without ODLRO in thin hollow cylinder, 24:3264
  - New interpretation of the quasielastic scattering of slow neutrons in water, 21:23397 (IA-1063)
  - Pairing theory of Bose superfluid, 23:46446
- IMSHENETSKII, A. A. Changes in mutants of Aspergillus niger, 22:51550
  - Variability in Aspergillus niger induced by ethylenimine and uv-radiation, 21:45602
- IMSHENNIK, V. S. Experimental and theoretical investigation of a gas discharge of plasma focus type, 25:38498 (CONF-710607-41)
  - Influence of line absorption on the internal structure of massive stars, 22:832
  - Interaction of a high-frequency electromagnetic field with a plasma, 24:12823
  - Kinetic equilibrium of β processes in stellar interiors, 21:28904
  - MHD theory of pinch effect in high-temperature plasma, 24:37445
  - Motion of the interstellar medium under the action of a nova or supernova envelope, 24:15106
  - Neutrino energy radiation in β interaction of electrons and positrons with nuclei, 22:13106
  - Plasma focus and the neutron emission mechanism in a z-pinch, 23:32503
  - Relativistically covariant equations for the coupling of radiation with matter, 24:15031
  - Rotation and pulsations of a gravitating gas cloud, 24:46853
  - Similarity theory for stellar models, 22:45885
  - Structure of the viscous isoelectron-temperature discontinuity in plasma, 22:44157
  - Tensor of pulsed energy of radiation in a moving medium under conditions close to equilibrium, 25:40725 (LA-tr-71-42)

Theory of non-linear oscillations of electron plasma, 21:29261
Theory of the light curves of supernovae, 25:24690
Thermodynamics under conditions of hot matter neutronization and the hydrodynamic stability of stars at late stages of evolution, 25:27335
Two-dimensional flow of an ideal conducting gas in the vicinity of the zero line of a magnetic field, 21:24970
IMURA, Hiroo Analytical methods based upon principle of competitive protein binding of labeled and unlabeled substances, 24:48367
Radioimmunoassay of protein hormones, 24:31776
IMURA, Toru Fermi surfaces of copper—aluminum alloys by positron annihilation, 22:15581
Growth of IVa-diboride single crystals in molten Fe, 25:32789
INABA, Eiji Fukushima Nuclear Power Station Unit No. II, Tokyo Electric Power Co, 23:15581
Nuclear reactor, 23:43214
INABA, Gohzoh SN ratio in Rossi-α experiment, 22:22843
Time-dependent probability of the number of neutrons and their counts in a multiplying medium, 22:44590
INABA, J. Cesium-137 retention in mice, 21:22308
Nuclide metabolism in juvenile mammals, 24:23080 (CONF-690501-, pp 217-26)
INABA, Jiro Cesium-134 in young and adult rats, 22:36163
Comparative study on retention and distribution of ^{137}Cs and ^{86}Rb in rats, 22:25762
Effect of K, lactose, and thyroxine administration on radiocesium retention, 24:2563
Effect of prolonged breast-feeding on radiocesium retention, 24:2562
Transfer of ^{137}Cs through placenta and milk in mice, 23:14043
Whole-body retention of ^{137}Cs in mice, 21:32568
Whole-body retention of ^{86}Rb in mice, 21:20046
INABE, Katsuyuki Effect of contact potential difference in ionization chambers, 24:27381
INADA, T. Energy flux of 100-300 kVp x rays, 21:14501 (UCRL-Trans-10081)
Paired ionization chambers for measurement of neutrons and gamma rays, 25:26538
Scattering and energy loss of 5- to 30-keV electrons in thin films, 25:25199
INADA, Taroh Doping of silicon by ion implantation, 22:24450
INADA, Tetsuo Calorimetric determination of absorbed dose rate of epoxy resin irradiated in JRR-4, 24:44334 (SJC-A-70-4)
Detection of fast neutrons with NaI(Tl) crystal, 22:40382
Experimental determination of energy spectrum of megavoltage x-rays, 22:8373
Neutrons from thick target Be (d,n) reactions at 1.0 MeV to 3.0 MeV, 22:18128
Pathology of early death in atomic bomb casualties in Hiroshima, 23:38745
INAGAKI, Eiichi X-ray mutagenesis in silkworm, 24:31941
INAGAKI, H. Thermal depinning of dislocations, 24:32443
INAGAKI, Hidetomo Radiorectitis and rectostenosis, 24:2825
INAGAKI, Hirokazu Antituberculous activity of γ-iodopropargyl-o-tolyl-ether and analysis of its in vivo metabolism by double labelling, 23:33584 (NSJ-tr-121)
INAGAKI, Koji Electro-discharge machining of prototype micronotch. I, 22:12493
Machining of the micro standard notch of the reactor fuel sheath tubing by the impression method, 23:978
INAGAKI, Michio Heat treatment of carbon under high pressure, 24:13691 (ORNL-tr-2262)
Rupture properties of large welded specimens of HT 70 steel. III, 22:43589
Rupture properties of large welded specimens of HT70 steel, 23:998
Studies of stainless steel cladding, 25:35315
X-ray diffraction of neutron-irradiated graphite annealing, 24:30055
INAGAKI, S. Design of high-gradient accelerating column, 25:31048 (SJC-A-71-2)
INAGAKI, Shinji Induced-γ-ray polymerization of some vinyl-substituted silanes, 22:12379
INAGAKI, T. Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
INAKOSHI, Hideki Conformation radiotherapy for nasopharyngeal tumor, 25:35194
INAKURA, Masataka Studies on the thyroid function test by means of whole body linear scanning, 23:4974 (NSJ-tr-120)
INAL, O. T. Field ion microscopy of graphite fibers, 25:45143
INAL, Osman Tugay Radiation hardening and defects in irradiated Pt, 25:16553
INAMI, Kuniaki Loss of coolant accident in water cooled nuclear power reactors. II, 23:33060 (AEC-tr-7047)
Loss-of-coolant accident in water-cooled nuclear power reactors. III, 25:10246
Loss-of-coolant accident. II, 23:15665
Studies on loss-of-coolant accident in water-cooled nuclear power reactors. III, 25:54168
INAMI, T. Dual structure of anti KN scattering in intermediate energy region, 25:59504
KN scattering in Veneziano model, 24:1592
INAMI, Takeo Interpretation of eta $\rightarrow$ 3π and K $\rightarrow$ 2π by meso-strong interactions, 21:35282
Possible duality constraints on P-wave nonleptonic decays, 25:9744
Veneziano duality in SU(3)-symmetric meson—baryon scattering, 25:53207
INAMOTO, Kinya Economy of radioactive gauges, 23:14067
Use of post-activation technique to trace the origin of aluminate inclusion in steel, 24:32355
INAMURA, K. N-1365 dose distribution display computer, 23:41158
INAMURA, Kiyonari Real time dose distribution display by digital computer, 25:58078
INAMURA, Minoru Welding fabrication of resonant cavities of proton linear accelerators, 21:9894
INAMURA, T. Anisotropy of conversion electrons in (p,2n) reactions, 22:20645
Conversion electrons from (α,xn) reactions on Sm isotopes and nuclear structures of Gd nuclei, 22:27162
Core polarization effect on the magnetic moment of the 8^+ state of ^{210}Po, 24:20390
Excited states of even cadmium nuclei studied by (α,xnγ) reactions, 24:43381
J-forbidden El transitions in ^{125}Te, 22:27174
Magnetic core polarization in the (h/sub 9/2/^{2})8^+ state of ^{210}Po, 24:43392
INAMURA, Takashi Beta and gamma spectroscopic studies of ^{125}Sb, 22:14006
Conversion electrons from (p,2n) and (α,3n) reactions on vibrational nuclei, 21:1089
Lifetime of the 321-keV level in ^{125}Te, 21:7778
Some comments on the nuclear structure of medium odd-mass nuclei, 22:48516 (JAERI-1158, pp 31-8)
INAM-UR-RAHMAN Nuclear energy for underdevelopmed countries with special reference to Pakistan, 24:5533 (NP-18081)
INANC, Oe. System U—Zr—C, 23:1056
INANC, Oezel Contribution to the zirconium—carbon system, 23:8332
Report on system UC—ZrC—C, 22:41114 (JUL-516-RW)
System UC—ZrC—C, 24:34958 (LA-4157-TR)
INANO, Hiroshi In vitro biosynthesis of androgens by x-irradiated testes, 23:29780
Steroid 7α-hydroxylase of rat testes, 25:42621
INAOKA, Kozo CP-violation in eta, K^0 decays, and $\Delta I = 2$ selection rule, 22:32191
INARIDA, M. Neutron activation analysis of U in human bone, drinking water, and daily diet, 25:46457
Separation of carrier-free ^{48}V from deuteron-bombarded titanium, 24:31345
Separation of carrier-free ^{74}As from the ^{76}Se target, 23:49906
INARIDA, Mariko Carrier-free separation of ^{210}Po from neutron-irradiated bismuth, 23:4722
Separation of carrier-free ^{206}Bi from ^{206}Pb target, 24:2234
Separation of carrier-free ^{85}Sr from deuteron-bombarded Rb target, 25:23634
Separation of carrier-free ^{89}Zr from Y target, 25:184
INBAR, A. Force cycle of vacuum gasket seals, 21:10596 (IA-1089)
INBAR, Michael Interaction of the carbohydrate-binding protein ConA, 24:12001
INCE, George Mechanical coupling devices and nuclear reactor fuel elements incorporating the same, 21:27837
Nuclear fuel element clusters, 24:47979
INCESU, Tuncay Precision measurement of the electronic g factors of the alkali metals, 22:9056
INCH, W. R. Effect of a single large dose local x-rays on allogeneic skin graft rejection in the mouse, 24:41783
Factors influencing radiosensitivity of animal tumours, 23:2890
Multi-component radiation survival curve model, 25:11293
INCH, W. Rodger Cure of C3H mammary tumor, 24:29823
Effect of x-rays on allogeneic skin graft rejection in mouse, 24:17009
INCHIN, A. S. Measurement of momentum of pions with energy 60 GeV in nuclear photoemulsions, 25:53030
INCHLEY, C. J. Activity of mouse Kupffer cells following intravenous injection of T4 bacteriophage, 24:2585
Immunogenicity of phagocytosed T4 bacteriophage, 24:2586
INCLAN-SUAREZ, Manuel Critical review of the assumptions involved in establishing the MPD and MPC's in air and water, 25:55254
INCROPERA, F. P. Asymptotic region of a laminar arc constrictor, 24:17924
Electron—ion recombination: critical review of theories and experimental results for an argon plasma, 25:56182
Laminar flow heat transfer from an argon plasma in a circular tube, 22:12524
Nonequilibrium effects in an atmospheric argon arc plasma, 25:25107
Temperature measurement and internal flow heat transfer analysis for partially ionized argon, 21:2204 (SU-247-11)
INCROPERA, Frank P. Investigation of arc jet temperature-measurement techniques, 21:20931
INCROPERA, Frank Paul Temperature measurement and internal flow heat transfer analysis for partially ionized argon, 22:3033
INCZE, Kalman Radiation treatment of foods. I, 22:40984
Spices sterilized by ionizing radiation in meat industry, 23:43933
INCZEDY, Janos Polarographic determination of rare earth ions in solutions containing ammonium lactate, 21:19576
INDELICATO, S. Potassium-40 in the human body in relation to absorbed doses, 24:48530
IN DER SCHMITTEN, W. Behavior of coated particle fuel, 24:50115 (CONF-700401-, pp 598-609)
Irradiation experiment for testing spherical fuel elements for high-temperature reactors, 25:37018 (JUL-701-RW)
IN DER SCHMITTEN, Wilhelm Process for the fusion of metal oxides, 22:36530
INDGIN, Sidney N. Eccrine poroma, 25:27055
INDIK, V. M. Radioprotective effects of nucleic acid hydrolysates on fast neutron-irradiated yeast cultures, 23:38621
INDIKOV, E. M. Theoretical extraction stages in joint extraction of several macrocomponents into TBP, 25:39595
Uranyl oxalate complex with NN-dimethylformamide, 22:47143
INDINDOLI, Laura Rapid procedure for liquid scintillation counting of animal tissues using a nitric acid digestion procedure and a dioxane-based scintillator, 25:15529
INDIRA, B. Emission ^{6}Li fragments in interactions of 5-GeV/c antiprotons, 21:9989
Production frequency of hyperfragments in 5 GeV/c antiproton interactions, 21:29443
INDIRA, K. S. Electropolishing of metals, 24:10024
INDO, Masakazu Zirconium compounds used for refractory material and bricks, 25:735
INDOVINA, P. L. EPR in PMM irradiated by ^{60}Co γ radiation, 24:27104 (ISS-69/12)
Magnetic field modulation of microwave impedance of Pb superconducting films, 25:7331
Modulation spectroscopy of surface superconductivity of Pb films, 25:25020 (ISS-70/6)
Phase-sensitivity micro wave spectrometer for superconductive transitions, 25:23913 (ISS-70/5)
INDOVINA, Pietro L. Electron paramagnetic resonance in poly(methyl methacrylate) irradiated by ^{60}Co, 25:31986
INDRA, J. Development of pressure vessel steels for Czechoslovak Nuclear Stations, 25:58216 (ZJE-106)
Material for pressure vessel of first Czechoslovak nuclear power plant, 24:26699
Operational safety of pressure vessels at Czechoslovak nuclear power stations, 22:30804
Steels for reactor pressure vessels, 24:36900 (ZJE-74)
INDRA, Jaroslav Fabrication of pressure vessel of first Czechoslovak nuclear power plant, 21:22853 (AEC-tr-6856)
Solution of some technological aspects for production of pressure vessels for the first Czechoslovakian nuclear power plant, 22:7811 (NUCLEX-66, Paper 3)
INDRA, R. N. Production of tritium targets and sources, 24:50517 (CONF-690916-(Vol.2), pp 121-8)
INDREAS, Gr. Multiple frequency acceleration of ^{4}He^{+} ions in the U-120 cyclotron, 21:27487
INDRUCH, I. Changes of Festuca rubra L. induced by gamma-radiation, 24:48489
INDURKAR, V. S. Application of ADC technique to ratio-circuits for yield—mass distribution measurements, 22:28235
Mass distribution spectrum of ^{235}U employing a ratio-circuit, 22:32664
INDYK, F. Vertebral malformations in chicks caused by x-radiation, 24:2781
INDYKUL, V. P. Theory of parametric instabilities during interaction of phased-in oscillators with plasma, 24:40145
Theory of relativistic plasma heating by stochastic fields, 22:17629
Transverse particle diffusion in stochastic fields, 25:27719
INDYUKOV, N. N. FIAN electron circular synchrocyclotron. III, 22:32412
INDZHGIA, R. G. Evaluation of structure of solar corona, 24:30095
INEL, Y. Cadmium ratio of neutron capture rates in ^{238}U, 23:23725
INFANTE, Grabriel Radiolysis of peptides, 23:13745 (TID-24935)
INFANTE, R. Lipoproteins biosynthesis in rat following x irradiation, 25:16041
INFANTONE, E. Study of cardiac dynamics in hyperthyroid subjects after treatment with ^{131}I. II, 22:49593
INFELD, E. Convective and absolute two stream instabilities for hot plasmas, 24:3384 (INR-P-1056)
Convective and absolute two-stream instabilities for hot plasma, 23:27648
Degeneration and stability of MHD modes, 23:27418
Degeneration of magnetohydrodynamic modes in a coaxial channel with a helical field, 22:2898
Ignoring waves, 22:47885
Influence of a collisional plasma background on the two-stream instability, 24:45263 (INR-P-1188)
Influence of a collisional plasma background on classification of the two-stream instability, 25:22543
Leopold Infeld bibliography, 25:41107
Partially thermalized model of a stellar system, 25:47305
Two stream instability and its classification into absolute and convective for hot plasmas, 24:19905 (INR-P-1132)
Two-stream instability and classification into absolute and convective, 25:19710
Two-stream instability for arbitrary stream temperatures and densities, 25:14340
Two-stream instability in the resonance model, 24:42713
INFELD, Eryk Magnetohydrodynamic waves in a helical field, 21:11620 (INR-760/VII/PH)
New class of equilibrium configurations of a plasma, 25:47541
Solutions of the linearized equations of magnetohydrodynamics in nonhomogeneous magnetic fields, 23:44228
Two stream instability, 25:40662 (INR-1261)
INFELD, L. Mechanics of radiation, 21:18863
Radiation from systems in nearly periodic motion, 24:20020
Simple formula for energy radiation, 21:33563
Two-body problem and gravitational radiation, 24:6762
INFELTA, Pierre P. Addition of trifluoromethyl radicals to ethylene in hydrocarbon solution, 24:36280
Kinetics of electron scavenging and ion recombination in the radiolysis of hydrocarbon solutions, 24:33721
Rate constant for scavenging of electrons produced in the radiolysis of hydrocarbons and the time scale for the ion-recombination processes, 23:33224

- INFERRERA, C. Hystoenzymatic and ultrastructural modifications of colloidal ^{198}Au on hepatic cells of rats, 22:33957
- INFIELD, E. Motion of charged particles in super-imposed magnetic electric fields, 24:40079
- INFUEHR, E. DYN: dynamics program for pebble-bed reactors, 23:40334 (EUR-4278)
  - Model for calculation of fast power excursions in reactors, 23:11258
  - Special problems in the dynamics of gas cooled and graphite moderated high temperature reactors, 22:20845
- ING, H. Decay of ^{43}K, 23:39986
  - Decay of 22-min ^{44}K, 23:19220
  - Radiative capture of neutrons by 5.2 eV resonance in ^{109}Ag, 23:34800
  - Radiative capture of neutrons by the 6.24, 15.5, and 29.7 eV resonances in ^{121}Sb and the 21.6 eV resonance in ^{123}Sb, 24:6899
  - Radiative neutron capture facility at Univ. of Toronto, 24:52339
- INGALLS, R. Isomer shift of ^{57}Fe in Fe, 21:25474
  - Isomer shift of ^{57}Fe in transition metals under pressure, 21:25174
  - Moessbauer study of low-temperature anharmonicity in ThO$_2$:^{57}Co, 24:42837
- INGALLS, R. B. Electron spin resonance investigation of the reactions of hydrogen and deuterium atoms in alkylstyrene polymers, 21:40845
  - Pyrolysis and high-temperature radiolysis of o-terphenyl, 21:14252
- INGALLS, Richard P. Fourth test of general relativity, 25:33836
  - Fourth test of general relativity: preliminary results, 22:32211
- INGALLS, Robert L. Role of Moessbauer effect in solid state studies at high pressure, 24:49273 (RLO-2225-T-12-1)
- INGALLS, W. P. Polyethylene bottles as containers for Pu nitrate, 22:45212 (ARH-SA-18)
- INGAMELLS, C. O. Barium and Sr in silicates, 25:18335
  - Barium and Sr in silicates, 25:23502
  - Effect of sample inhomogeneity in K—Ar dating, 25:265
  - Solution technique for analysis of silicates, 22:22960
  - Use of LiBO$_2$ flux for K—Ar dating, 24:44106
- INGARD, K. Uno In honor of philip m. morse, 24:8552
- INGARD, Uno Acoustic kink instability in an argon discharge, 21:29297
  - Acoustic wave mode in a weakly ionized gas, 21:33454
  - Acoustic wave propagation in a gas discharge, 23:32534
  - Generation of vorticity by waves in a plasma, 21:27184
  - Perturbations caused by acoustic-wave pulse in weakly ionized gas, 22:20001
- INGBAR, Sidney H. Effect of a malignant tumor on thyroxine metabolism and thyroid function in the rat, 21:12780
  - Metabolism of /sup 99m/Tc-pertechnetate in rat thyroid gland, 21:17956
- INGBER, J. F. Reactor requirements for first generation thermionic nuclear electric propulsion, 23:11309 (GA-9046)
  - Reactor requirements for first generation thermionic nuclear electric propulsion, 23:45111 (GA-9046(Rev.))
- INGBER, Jacob Frank Performance optimization of a thermionic nuclear electric propulsion system for planetary missions, 24:20938
- INGBER, Lester Nuclear forces and nuclear energetics, 24:24617
  - Nuclear forces, 22:27282
  - Nuclear forces, 22:53245
  - One-meson-exchange potentials and properties of nucleon—nucleon scattering and of nuclear matter, 22:11694
- INGEBRETSEN, F. Calculation of double escape peak angular correlation attenuation coefficients for square Ge(Li) gamma detectors, 22:19109
  - Evidence for vibrational excited states in ^{32}S, 25:20326
  - Level structure of ^{33}Cl, 24:38199
  - Lifetime measurements of six lowest lying levels in ^{33}Cl, 23:39998
  - Properties of 3942 keV level in ^{33}Cl and evidence for ground state rotational band, 24:30745
  - Properties of low-lying states in ^{43}Sc, 25:20320
  - Reaction ^{26}Mg(p,t)^{24}Mg, 24:43289
  - Reaction ^{37}Cl(p,t)^{35}Cl, 24:43287
  - Rotational structure in ^{43}Sc, 25:3626
- INGEBRETSEN, R. B. Phenomenology of muon showers underground, 25:59247
- INGELS, Frank M. Mortar location by short baseline acoustical detection, 22:20991 (LA-DC-9286)
- INGELS, S. E. Beryllium structures: Lockheed Agena spacecraft, 25:47099 (NMAB-272, pp 217-48)
- INGEMANN-HILBERG, Claus 1s 2s states of negative hydrogen, 24:17588
- INGEMANSON, James William Successive step formation constants of lanthanide 2-picolinates and α-hydroxy-α-methylbutyrates, 22:44951 (IS-T-242)
- INGEMARSSON, A. Deuteron vector polarization in (p,d) reactions at 185 MeV, 22:50548
  - Excited levels of ^{28}Si investigated by inelastic scattering of 185-MeV protons, 21:42583
  - Inelastic scattering of 185-MeV protons from Mg and Al, 21:4261
  - Polarization in octupole transitions induced by 185 MeV protons, 25:53647
  - Polarization of 3$^-$ level in ^{40}Ca, 25:28256
  - Proton polarization in scattering at 185 MeV from individual states of ^{24}Mg, 23:1838
  - Vector polarization of deuterons from (p,d) reactions at 185 MeV, 24:24510
- INGERSOLL, Andrew P. Temperature variation and the solar oblateness, 25:9113
- INGERSOLL, Everett H. Behavioral and structural changes following x-irradiation of the forebrain in the rat, 22:38464
- INGERSOLL, R. G. Tensile fracture of polycrystalline beryllium, 24:2949
- INGERSON, E. Oxygen isotope fractionation in the system: quartz—water, 21:8446
- INGERSON, Thomas Edgar Gravitational radiation in a static steady-state cosmology, 21:6969
- INGESSON, L. Gas mixing in rod bundles, 24:25203
- INGE-VECHTOMOV, S. G. Comparison of the specific effects of ultraviolet and x rays on mutability of yeast, 22:31020
  - Influence of genotype on interallelic complementation and super-suppression in yeasts, 23:6409 (ORNL-tr-1959)
  - Ontogenetic and mutational variability of Pullularia sp, 23:7986
- INGHAM, D. Proton hole states in 1f/sub 7/2/ nuclei, 25:3616
- INGHAM, D. B. Dual solutions of the magnetogasdynamic boundary-layer equations, 21:33245
  - Magnetogasdynamic boundary layer for a thermally conducting plate, 22:11306
  - Magnetohydrodynamic flow in a container, 23:18488
  - Mangler's transformation in magnetogasdynamics, 22:52608
- INGHAM, G. K. Studies of pulmonary function using the scintillation camera and ^{133}Xe for evaluation of topical ventilation and blood flow in man, 22:31120
  - Xenon-135 study of topographic pulmonary function, 22:51791
- INGHAM, Kenneth C. Hindered rotation in the ground and excited electronic states of o-xylene, 25:6314
- INGHAM, M. F. Background brightness of Milky Way, 24:28055
  - Observations of the night sky Hα emission line, 22:44013
  - Pre-dawn enhancement of O 6300-A line in nightglow, 24:12724
  - Sources of Lyman-α emission in night sky, 24:17847
- INGHAM, Robert Vincent Control rod driving systems for nuclear reactors, 22:48783
- INGHAM, T. The use of critical crack opening displacement techniques for the selection of fracture resistant materials, 24:17284
  - Use of critical crack opening displacement techniques for the selection of fracture resistant materials, 25:40014 (IAEA-117, Paper 4)
- INGHAM, William De-occultation x-ray events of Dec. 2, 1967, 24:3093
- INGHRAM, Mark G. Threshold behavior for photo double ionization, 24:35168
  - Vibration—rotation interaction effects in calculated Franck—Condon factors. II, 23:20672
- INGLE, John I. The management of teeth related to the treatment of oral cancer, 23:48239
- INGLE, N. A. Automatic data logging system for meteorological studies in reactor environments, 24:14339 (BARC-444)
  - Design concepts of a centralized automatic air monitoring system for a large radioisotope complex, 23:47778
- INGLE, R. W. Fast fission chamber amplifier—discriminator system, 25:4333
  - Instrumentation to measure ratio of neutron capture to fission cross sections at keV neutron energies, 22:6601
  - Measurement of capture cross section of ^{238}U, 25:5771
  - Measurement of neutron fission and absorption cross sections of ^{239}Pu, 23:37234
  - Measurement of the neutron capture and fission cross sections and of their ratio alpha for ^{233}U, ^{235}U, and ^{239}Pu, 22:18298
  - Measurements of neutron fission and absorption cross sections of ^{239}Pu over energy region 0.02 eV to 30 keV, 24:3924 (ORNL-TM-2598)
  - Measurements of the neutron fission and absorption cross sections of ^{239}Pu over the energy region 0.02 eV to 30 keV, Part II, 25:56746 (ORNL-4707)
  - Neutron fission and absorption cross sections of ^{239}Pu, 24:35868
  - Neutron fission and capture cross sections for ^{233}U energy region 0.4 to 1000 eV, 21:25515 (ORNL-TM-1751)
  - Neutron fission and capture cross sections of ^{235}U for energies up to 100 keV, 25:41242
  - Neutron fission and capture cross-section measurements for ^{233}U in energy region 0.02 to 1 eV, 23:23675 (ORNL-TM-2353)
  - Neutron fission and capture cross-section measurements for ^{233}U, 23:37242
  - Simultaneous measurements of ^{233}U fission and capture cross sections, 21:38305
  - Simultaneous measurements of the neutron fission and capture cross sections for ^{235}U for incident neutron energies from 0.4 eV to 3 keV, 22:3699 (ORNL-TM-1804)
- INGLEBY, B. E. Coating of uranium monocarbide with silicon carbide in a fluidized bed, 23:22634
- INGLEBY, Bryan Nuclear reactor fuel elements, 22:27507
- INGLEBY, Bryan Edward Nuclear reactor fuel elements, 22:27506
  - Nuclear reactor fuel elements, 21:18318
- INGLEBY, Byran Edward Nuclear fuel body containing uranium carbide spheroids coated with silicon carbide, 21:6871
- INGLEBY, M. Some criticisms of quantum logic, 25:50043
- INGLESAKIS, Georges Electric conductivity of Ar plasma in supersonic flow subjected to electric discharge, 25:9451
  - Measurement by infrared laser interferometry of the electron density in plasmas produced in shock tubes, 22:15515
  - Potential distribution between electrodes of Faraday MHD tube, 25:9263
- INGLESFIELD, J. E. Electrochemical effect in alloys of cadmium, magnesium, and mercury, 24:1039
- INGLEY, John S. Nuclear explosion experiments to determine nuclear properties of heavy isotopes, 23:13302
- INGLIS, David R. Inelastic alpha scattering and associated gamma radiation. III, 21:31873
- INGLIS, G. H. Fuel design, manufacture, and management experience of HTRs, 23:37518
- INGLIS, J. M. Radiation effects in the Soricidae, Cricetidae, and Muridae, 21:41476 (ORNL-P-3212)
- INGLIS, Stuart J. Planets, stars, and galaxies, 22:24022
- INGLIS, Warren Isotopic propellant level indicator for small arms loaded rounds, 22:38133
- INGLISH, D. Effects of cortisol and epinephrine on glial cells in culture, 24:16400 (UCLA-12-762)
- INGOLD, J. H. Decay of resonance radiation in a planar afterglow with reflecting walls, 23:7011
  - Diffusion theory for spherical Langmuir probe, 23:30527
  - Diffusion theory of positive column with two-stage ionization, 24:17935
- INGOLD, K. U. Rate constants for the self-reactions of n- and sec-butylperoxy radicals and cyclohexylperoxy radicals, 22:21076
- INGOLD, W. C. Nuclear radiation shielding in the design of hardened structures, 23:31506 (AD-843583)
- INGOLFSSON, Ketill Formulation of the mathematical theory for natural line width, 21:27437
  - Variation of exponential decay of excited states, 23:8765
- INGRAHAM, A. Characteristic temperatures and entropies of some refractory thorium compounds, 22:63
- INGRAHAM, C. N. Radiation-resistant power circuits, 22:12735
- INGRAHAM, Hollis S. Evaluation and reduction of risks, 22:51601
- INGRAHAM, J. C. Low-frequency oscillations in an electron-cyclotron resonance discharge, 21:2229 (TID-23318, pp 123-6)
  - Nonlinear coupling of low-frequency oscillations in an electron-cyclotron resonance discharge, 22:34650 (TID-24491, pp 71-4)
- INGRAHAM, J. Charles Plasma diagnostics, 21:11605 (MIT-1842-36)
- INGRAHAM, John C. Anomalous microwave absorption near the plasma frequency, 25:40718
- INGRAHAM, R. L. Canonical commutation relations for renormalized fields, 24:1640
  - Consistency of canonical commutation relations for theories involving currents, 23:34647
  - $\Delta T = {}^1/_2$ rule and the Cabibbo angle, 23:34571
  - Frame-dependence of cross sections, 22:26591 (JINR-P2-3590, pp 81-5)
  - Gauge fields and the algebra of polarizations, 23:30724
  - High-energy behavior of total cross sections, 25:1490
  - Relativistic transformation law of quantum fields, 24:8718
  - Renormalization theory of quantum field theory with a cut-off, 22:5652
  - Shrinking of the p-p scattering diffraction peak for large momentum transfers, 21:9809
  - Unitary representations of SU(2,2) in a free particle basis, 21:19026
- INGRAHAM, Thomas R. Conference on continuous processing and process control, Philadelphia, 12/66, 24:42067
- INGRAHAM, W. J. Oceanography and marine ecology in vicinity of Amchitka Island, 23:13598 (BMI-171-112)
- INGRAHAM II, Samuel C. Radioisotope facilities in the general hospital, 21:10892
  - Radioisotope facilities in the general hospital, 21:12868
- INGRAM, A. G. Microdimensional instability of metals, 23:33968
- INGRAM, C. H. Q. Pion production and bound nuclei, 25:53239
  - Structure in spectrum of pions produced by Fermi motion, 24:52451
- INGRAM, D. Method for reducing the effect of nuclear reactions in stopping detectors, 24:29521
- INGRAM, F. D. Beryllium-8 states and final-state Coulomb interactions, 24:15811
  - Interference of ^{8}Be levels and final-state Coulomb interactions, 25:45927
- INGRAM, F. Duane Distortion of nuclear spectra by final-state Coulomb interactions, 22:32500
  - Final state Coulomb interaction studies with ^{6}Li(^{6}Li,α)^{8}Be reaction, 23:13218
- INGRAM, G. Measurements of k-infinity, reaction rates, and spectra in Zebra Pu lattices, 24:22453
  - Methods for estimating the sodium temperature coefficient of a fast reactor, 22:35560
  - Use of tetracyanoplatinate(II) for luminescent detection of metal ions, 24:22584
  - Zebra 6: dilute Pu-fueled assembly, 21:35547 (ANL-7320, pp 216-30)
- INGRAM, G. E. Quartz gauge technique for impact experiments, 24:53059 (SC-DC-70-4932)
  - Shock-wave stress gauge utilizing the capacitance change of a solid dielectric disc, 21:35810 (SC-DC-67-1910)
  - Thumpatron: instrument for determining direction of polarization of fragile piezoelectric samples, 21:32065 (SC-DR-67-494)
- INGRAM, H. Vernon Laser ophthalmoscope coagulator, 21:22678
  - Laser ophthalmoscope, 22:25986
  - Retinal phototherapy, 21:8866
- INGRAM, J. C. Exchange effects in low-energy electron scattering, 24:23807
- INGRAM, John Charles Theory of electron diffraction in crystals, 21:44979 (ORO-3108-30)
- INGRAM, K. W. Stationary and moving field dosage distribution, 24:50907
  - Stationary and moving field dosage distributions, 24:50906
- INGRAM, M. Cellular damage following iodination procedure, 23:22351
  - Haematological basis for the evaluation of radiation exposure, 25:44807
  - New bacteriological problems in new semi-preserved foods, 21:1853
  - Occurrence and growth of staphylococci on packed bacon, with special reference to Staphylococcus aureus, 21:22806

  Progress in food irradiation, 21:24702
  Recent developments in food preservation, 24:25622
  Survival of Clostridium botulinum spores in foods treated by heat, ionizing radiation, or related procedures, 24:12342
INGRAM, M. F. Zodiacal light, 21:46074
INGRAM, Marylou Bibliography on biological effects of ionizing radiations, 21:4843 (TID-3097)
INGRAM, P. Phase changes in polyethylene single crystals, 23:7575
  Radiation grafting of vinyl monomers to wool. III, 22:35859
INGRAM, Roland H. Jr. Chronic lymphocytic leukemia in Hiroshima and Nagasaki, 23:16334
INGRAND, J. Automated Hamolsky test in thyroid function examination, 24:29648
  Kinetics of the disappearance of gelatin protected radiogold colloids from the blood stream, 22:51346
  Scintigraphy of the joints, 23:48131
  Study of maintenance of hepatic functions of preserved livers with the labeled rose bengal test, 24:25518
  Synoviorthesis with radioisotopes, 22:49407
  Synoviothesis (synoviotherapy by radioisotopes) studies of more than 400 cases and future prospects, 25:26873
  Technetium fixation on plasmatic proteins, 25:21154
  Use of /sup 99m/Tc for functional exploration of thyroid, 24:25514
INGRAND, Jacques Spectrophotometric determination of the particle size of radioactive colloidal gold, 22:33347
INGRI, N. Precipitation and hydrolysis of Th in aqueous solution. V, 22:27559
INGVAR, D. H. Variations in regional cerebral blood volume during mental activity, 25:11151
INGVAR, David H. Prog. rpt. on regional blood flow in subcortical structures in man, 3/71, 25:31710 (NYO-3618-10)
  Regional cerebral blood flow in organic dementia with early onset, 25:4681
INGWERSEN, H. g-factor of the isomeric 9/2$^+$ state of ^{81}Br, 25:53668
  Lifetime and g-factor of 181 keV level in ^{78}Br, 25:48054
INIKHOV, G. N. Standard sources of ionizing radiations, 21:27928
INKIN, V. D. Development of track chamber picture processing systems at JINR, 25:13279 (CERN-70-21(Vol.2), pp 753-60)
INKLEY, Scott R. Spatial recording of disappearance constants of ^{133}Xe washout from the lung, 25:6632
INMAN, Cullen Langdon Applications of elementary particle physics to astrophysics, 21:6968
INMAN, D. Electrochemical technology in molten salts, 21:23883
INMAN, Guy M. Reactor fuel burnup calculations, 24:2069 (WASH-1142)
  Research and development for safeguards, 23:19924 (WASH-1122)
  Safeguards and nuclear materials management, 23:50095 (WASH-1141)
INMAN, M. C. Oxide particle statistics in TD Ni alloy, 23:30157
  Recrystallization in thoria-dispersed nickel sheet, 23:36256
INN, Edward C. Y. Charge transfer between He$^+$ and N$_2$, 21:24923
INNANEN, K. A. Galactic orbits of old moving stellar groups: some initial numerical results, 22:38693
  Iterative procedure for evaluating Z-velocity dispersions from a galactic mass model, 22:36619
  Numerical investigation of possible origins of moving groups, 24:39798
  Numerical study of two families of globular cluster orbits, 24:25925
  Stars with motions more than 100 km/sec perpendicular to galactic plane, 24:42478
  Third integral for a family of high-velocity stars, 24:32539
  Velocity dispersions in a mass model of the galactic system, 21:28922
INNANEN, Kimmo A. Orbits of globular clusters and high-velocity stars in a mass model of the galactic system, 21:3576
INNANEN, William G. Solar particle observations from 1/24—2/24/67, 23:16593 (N-68-31506)
INNERMAN, S. E. Rolling of tubes of Zr or Zr alloys, 23:22509
INNES, F. R. Correlation energies of the lithium sequence, 22:15361
  Reduced matrix elements and representation of wave functions, 25:58789
  Selective enhancement in hydrogenlike molecules with the rare gases. II, 21:37142
INNES, Frederick R. Quasi-spin methods and pairs of one-particle CFP in seniority scheme, 21:35528
INNES, G. S. Electron accelerators, 23:52073
INNES, K. K. Analysis of the 1400 A electronic transition of ethane molecule, 23:26243
  Rotational analysis of 3200-A absorption bands of pyrazine-^{15}N vapor, 21:35969
  $X^1A_1 \longrightarrow a$ and $X^1A_1 \longrightarrow A^1B_1$ electronic transitions of pyridazine-d$_0$, -d$_2$, and -d$_4$ vapors, 25:92
INNES, W. F. Effective lifetime of O(^{1}S) in pulsating aurora, 25:40486
INNIS, Robert E. Ocular effects produced by experimental lasers. III, 23:26890
INNOCENTI, P. G. Experimental test of quantum electrodynamics by muon bremsstrahlung, 23:21154
  High-energy muon inelastic scattering, 23:21055
  Momentum measurement at 100 MHz of particles in a high-energy beam with large angular divergence and spatial extent, 23:1744
  Muon pair production by 12-GeV/c negative π and K mesons on C and Fe, 23:23386
  Muon-pair decay modes of the vector mesons, 21:27294
  Observation of muon pairs produced by high-energy negative π mesons, 21:2378
  Some rare decays in interactions of π and K mesons with carbon and iron, 22:22322
INNVAER, R. Water chemistry research at the Halden Boiling Heavy Water Reactor (HBWR), 22:1765 (HPR-55)
INO, E. Cold incubation method in ^{131}I—T3 resin sponge uptake test, 24:29650
INO, Hiromitsu Moessbauer effect in iron—carbon martensite structure, 22:15645
INO, Shiro Chlorination of Ningyotoge uranium ore, 22:33509
  Chlorination of Ningyotoge uranium ore by moving bed test plant, 22:33513
  Fractional condensation of the chloride vapor from the uranium ore chlorinated, 22:33510
INO, T. Charge and magnetization distributions of the proton, 24:24292
  Shrinking nature of diffraction amplitudes due to peripheral inelastic processes, 21:40222
INO, Taketoshi Long range interaction in low energy K—N scattering, 21:27373
INOENUE, E. Case eigenfunctions and the theory of orthogonal polynomials, 24:8807 (ORO-3858-1, pp 178-205)
  Effective source strength for arbitrarily anisotropic neutron scattering in infinite medium, 22:48438
INOENUE, Erdal Polynomials encountered in neutron-transport and radiative-transfer theories, 24:30682
INOGAMOV, Sh. V. Analysis of $\pi^-p \longrightarrow n\pi^+\pi^-m\pi^0$ (m = 1,2,3) and $\pi^-p \longrightarrow n2\pi^+2\pi^-m\pi^0$ (m = 1,2) reactions, 25:12204 (JINR-P1-5431)
  Application of phenomenological quasi-two-body model to π^-p-interactions with strange particle production at p = 4 GeV/c, 25:30869 (JINR-P1-5706)
  Thermodynamical description of momentum distributions of pions in π^-p interactions at p = 4 GeV/c, 25:43639 (JINR-P1-5849)
INOKUCHI, H. Hydrogen exchange between deuterium and charge-transfer complexes, 22:10246
INOKUCHI, Hachiro Lambda phage mutants insensitive to temperature-sensitive repressor. I, 23:31705
INOKUCHI, Hiroo Catalytic activity of aromatic nitrile and alkali metal ion radical salt. I, 25:13001
  Hydrogen exchange on Ba-naphthacene ion salts, 24:9331
INOKUTI, M. Production of Lyman-α radiation in collisions of electrons on molecular hydrogen (0.05 to 3 keV), 22:13222
INOKUTI, Mitio Atomic form factor and incoherent-scattering function of the helium atom, 22:9065
  Cross sections for inelastic scattering of charged particles by atoms and molecules. III, 24:1283
  Excitation of the H atom by fast electrons in the Ochkur approximation, 21:24939
  Generalized oscillator strengths of helium atom. I, 22:50035
  Generalized oscillator strengths of the He atom. II, 23:20705
  Generalized oscillator strengths of the He atom. III, 23:41937
  Hydrogen formation and superexcited states in the radiolysis of liquid olefins, 22:25377
  Inelastic collisions of fast charged particles with atoms and molecules, 25:52646
  Inelastic-scattering cross sections of fast charged particles by Li$^+$, 24:28089 (ANL-7615, pp 207-9)
  Minima of generalized oscillator strengths, 22:52539
  Number of bound states in ion—atom systems, 24:28090 (ANL-7615, pp 213-14)
  Properties of generalized oscillator strength and relation to inelastic scattering of charged particles. II, 21:26965 (ANL-7220, pp 1-10)
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. I, 22:5076
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. IV, 24:23798
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. V, 25:14022
INOMATA, A. Breaking of scale invariance and effective cut-off in quantum electrodynamics, 25:41069
  Breaking of scale invariance, Regge trajectories, and dyons, 25:59430
  Gravitational coupling of negative matter, 23:46822
  Is the de Sitter universe responsible for Mach's principle, 21:13670
INOMATA, Akira de Sitter Universe and Mach's principle, 22:38688
  Interpretation of a unified theory of gravitation and symmetry breaking, 24:13177
  Path integrals in polar coordinates: charged particles in a uniform magnetic field, 21:29391 (WVT-6718)
  SO(4,1) model for hadrons, 23:46783
INOMATA, Hiroshi Integral dose measurement in routine intra-oral radiographic procedures, 21:12869
INOMATA, Toshio Tokai reactor commissioning test. II, 21:10143
INOMATA, Tsuyako Dosimetry of electron beams, 24:21168
INOMO, Yoshimitsu Period measuring device, 22:27509
  Period measuring device, 22:27508
INONU, E. Second order correction to the average extrapolation length, 21:15766 (N-66-19220)
INOPIN, E. V. Account of higher approximations with respect to the nonsphericity parameter in the theory of inelastic diffraction scattering, 21:10094
  Diffraction particle scattering by atomic nuclei, 21:27633
  Diffraction scattering of charged particles and Fresnel diffraction, 24:30886
  Diffraction theory of stripping reactions, 23:13324
  Inelastic scattering and superfluid nucleus model, 23:39983
  Method of approximate separation of variables in the problem of diffraction scattering of particles by nuclei, 21:44782
  Mixture parameters of rotational states from high energy electron scattering, 23:25856
  Specific properties of diffraction scattering cross section, 22:39499
  Theory of the deuteron—nucleus interaction, 22:14115
  Total neutron cross sections of oriented nuclei, 21:31886
INOSE, Fumiyuki Magnetic amplifier for low-level input signals, 23:735
INOSHITA, Makoto Economical characteristics of fuel reprocessing plants and reprocessing charges, 21:12504
INOUE, Akira Effects of fast neutron irradiation on developing rat embryo, 23:50868
  Studies on the pressure drops of the two-phase flow in the vertical pipes, 22:14299
INOUE, Aoi Mean multiplicity in NM64 neutron monitor, 25:40401
  Relation between the ^{14}C production rate and the geomagnetic moment, 21:20851
  Stability of Nishina-type ionization chamber and its application to the determination of primary cosmic-ray spectrum, 22:4442
  Stratospheric sudden warmings and cosmic rays in the antarctic, 23:5258
INOUE, C. Saturation magnetic moment and crystalline anisotropy of light rare earth—cobalt compounds RCo$_5$, 25:47643
INOUE, Chikara Advanced thermal reactor in Japan, 24:24801
INOUE, Fumie Fabrications and properties of silicon detectors, 24:16833 (OU-LNS-69-5)
INOUE, H. Influence of fibrous aluminium nitride on strength of sintered AlN—Y$_2$O$_3$, 25:42959
INOUE, Hidetoshi High energy π^-p backward scattering in Regge pole model, 23:8744
  Solitons and elementary particles, 25:25350
INOUE, Hikaru Beta- and gamma-spectroscopy of /sup 80m/Br, 23:37182
  Decay of ^{124}I, 21:38304
INOUE, K. Electrical discharge sintering and graphitization of carbon powders, 22:13051
  Measurement of the plasma current distribution in a tokamak device with alpha-particles injected transverse or parallel to the toroidal axis, 25:58980 (JAERI-Memo-4531)
  Post-incident device for nuclear reactors, 23:49673
INOUE, Kazuhiko Bragg cut-off effects on neutron wave propagation in graphite, 22:41928
  Fast-reactor neutron spectra by scattering process technique, 23:4404 (KURRI-TR-35)
  Neutron spectra in the intermediate energy region, 23:5747 (KURRI-TR-20)
  Scattering process approach to neutron spectrum in fast reactor, 22:42285
  Slowing down of neutrons to very low temperature by cold solid hydrogenous moderators, 25:12351
  Spectral indices of an intermediate energy neutron system, 21:9919
  Spectral indices of an intermediate energy neutron system, 24:1723
INOUE, Kazuo Present and future of the Fukushima atomic power station, 23:28374
INOUE, Kenji Blocking of plasma stream by transverse magnetic field, 25:22511
INOUE, Kenjiro Digestion of ^{131}I-labeled thyroid tissue, 22:466
INOUE, Kiyosh New high-field superconductor, V$_3$Hf/sub x/Zr/sub 1-x/, 25:38300
INOUE, Kiyoshi Burnup determination of nuclear fuel, 24:26968
  Device for measuring the output of an accelerator, 22:11857
  Evaporation of UO$_2$ containing Pu nuclides, 23:36272
  Fission-gas release from fissioning UO$_2$, 22:41136
  Fission-gas release from nuclear fuels with in-pile gas-loop, 25:28821
  High-field characteristics of superconducting wires measured in a pulsed magnet, 24:32804
  Identification of methyl iodide formed in iodine, 23:47379
  In-pile fission gas release from UC, 25:40121
  Mass spectrometric determination of burnup, 21:27839
  Mass spectrometric determination of isotopic ratios of U and fission products in neutron irradiated UO$_2$, 22:4033
  Mass spectrometric isotope analysis of plutonium in neutron irradiated uranium dioxide, 22:45004
  Recoil release of fission-gas from UO$_2$, 21:44950
  Self-limiting power excursion characteristics of light water reactor. III, 24:5551
  Swelling in oxide fuels, 24:10195 (WAPD-Trans-124)
  Techniques for in-pile measurements of fission-gas release, 24:47983
  UO$_2$ thermal diffusivity measurements with a modulated electron beam technique, 21:22918
INOUE, Kotaro Control system for fast reactors, 24:33278
  Fast-reactor-core design optimization, 24:18784
  Liquid-metal cooled reactor, 22:53331
INOUE, M. Dilution refrigerator for nuclear boiling designed to minimize eddy-current heating, 25:45434
  Effect of inner current-carrying rings on equilibrium of toroidal plasma, 25:33313
  Electron spin resonance of γ-irradiated tetrafluoroethylene—hexafluoropropylene copolymers, 21:36016
  Isotopic exchange in CH$_4$—D$_2$ and CD$_4$—H$_2$ mixtures, 23:49796
INOUE, Makoto Elastic and inelastic scattering of 34.4-MeV alpha particles by ^{58}Ni and ^{60}Ni, 23:1841
  Energy spectra of inelastic scattering of 28.4-MeV alpha particles, 21:33985
  Scattering of 34.4-MeV alpha particles by the tin isotopes, 22:39649
  Scattering of alpha particles by medium-weight nuclei, 21:21482 (NSJ-tr-64)
INOUE, Mamoru Development of a device for measuring circumferential mechanical properties of cladding tubes, 25:8883
INOUE, Masaharu Dynamical Jahn-Teller effect in alkali halide phosphors containing heavy metal ions, 21:2325
INOUE, Masao Hydrogen produced by the hot-atom-process in the radiolysis of ethane, 22:47178

- INOUE, Masashi Forced convective boiling heat transfer to diphenyl in concentric annuli, 23:29088
- INOUE, Masasi Superconducting wired-wall cavity for V-band ENDOR experiment, 25:11850
- INOUE, Masasuke Earthquake response analysis of nuclear power plant, 25:57598
- INOUE, Masayasu Application of radioisotope to prospecting for Matsuiwa, 23:436 (NSJ-tr-123)
- INOUE, Michiko Interaction between localized moments in metals, 21:46420
  - Raman scattering by magnons in rare earth metals, 24:37558
  - Studies on free radicals produced by irradiation. VI, 22:21099
- INOUE, Minoru Container for a radioactive material, 23:6280
  - Device for generating neutrons, 23:42810
  - Tritium target, 23:49311
- INOUE, Miyako Influence of some additives on the radiochemical polymerization of solid acrylonitrile, 21:19652
  - Rectification on the apparent effect of an electric field on the radiopolymerization of solid acrylonitrile, 21:8387
- INOUE, N. Deformation of Be single crystals, 23:24892
  - Effects of hydrostatic pressure on polycrystalline beryllium, 23:3059
  - Expansion of a laser-produced plasma into a vacuum, 25:19703
  - Expansion of a laser-produced plasma into a vacuum, 25:25130
  - Grain-size refinement of ingot beryllium, 23:8236
  - Multigrid energy and mass analyzer for plasma diagnoses, 23:32352
  - New type of high speed valve, 22:47438
  - Plasma emission from titanium rail-type gun, 25:19726
  - Plasma flow on BSG-II device, 24:6529
  - Thermalization of kinetic energy of a plasma flow, 23:14779
- INOUE, Nobuko Adsorption of uranium in artificial seawater with titanic acid, 25:26350
  - Separation and determination of uranium in sea water, 24:29202
- INOUE, Nobuyuki Dependence of plasma confinement on the properties of magnetic configuration and plasmas in JIPP stellarator, 25:38374 (CONF-710607-107)
  - Experiments of plasma confinement in JIPP stellarator. I, 25:30457 (IPPJ-102)
  - Gas purifier for plasma generator and mass spectrometric analysis of trace impurities, 21:17582
- INOUE, R. Analysis of light elements using primary x-ray by proton excitation, 24:31231
- INOUE, S. Inhibition of intestinal absorption of radioactive Sr. IX, 25:10939
  - Missile protection in nuclear power station, 25:23317
- INOUE, Shuji Analysis of control rod effectiveness by Nordheim—Scalettar method. II, 25:51246 (JAERI-Memo-4351)
  - Intermediate treatment of resonance absorption, 23:40453
- INOUE, T. Fundamental processes in nonequilibrium cesium plasma, 24:1379
  - Measurement of circulation, retention times, and flow patterns in an electrolytic refinery by using radioactive tracers, 22:14712
  - Multicharged heavy ion source for the IPCR cyclotron, 23:13155
  - Operating characteristics of 300 keV, 30 mA electron accelerator, 24:33077
  - Structure of s-d shell nuclei, 22:27301
  - Structure of sd-shell nuclei, 22:20745
  - Structure of the sd-shell nuclei. III, 21:27628
  - Visible light emission from nonequilibrium cesium plasma, 24:1381
- INOUE, Tadashi Radioimmunoassay for human thyrotropin, 24:31896
- INOUE, Takashi Application of electron accelerator, 23:15313
  - Neutron generator, 21:11960
  - Operating characteristics study of the high frequency Cockcroft—Walton type high power electron accelerator hypertron, 22:22500
- INOUE, Takeichiro Activation analysis of trace elements in human nails. I, 23:2191
- INOUE, Takeshi On G-parity doublet bosons, 21:17060
  - Regge pole hypothesis and an extended particle model, 22:5668
- INOUE, Tamon Analysis for gamma radiation spectrum by computer, 23:11835
- INOUE, Tatsunosuke Control-rod driving sealed pressure tube, 23:21564
  - Development of control rod drive mechanism at Hitachi, 21:5636
  - Synchronized control-rod position indicator, 21:2888
- INOUE, Toru Electric facilities of Mihama nuclear power station Kansai Electric Power Co, 25:59930
- INOUE, Toshiharu Paramagnetic centers in γ-irradiated anthracene single crystals, 22:52890
- INOUE, Toshihiko Acceleration of multicharged heavy ions in 160-cm cyclotron, 24:35768
  - Control system of IPCR 160 cm cyclotron, 25:31068
- INOUE, Toshio On the surface state of platinum anode for electroyltic persulfate manufacture by x-ray examination, 22:7971 (BNL-tr-168)
- INOUE, Toshizo Sliding friction and wear of polytetrafluoroethylene ball bearing. I, 23:39070
- INOUE, Y. Prediction of radionuclide migration in ground water at Japan Atomic Energy Research Institute, 22:16803
- INOUE, Yajiro Calibrations of the thermal neutron flux density standards under the international intercomparison program, 22:18083
- INOUE, Yasunobu Pressure jump and isotope replacement studies of acetylene hydrogenation on palladium surface, 25:29062
- INOUE, Yasuo Studies on carbon in cyanamide, 25:2028 (ORNL-tr-2378)
- INOUE, Yasushi Chemistry of Pa. VIII, 24:5709
  - Chemistry of protactinium. VII, 23:40659
  - State of Pa(V) in perchloric acid solution, 24:31455
- INOUE, Yoichiro Irradiation-type gamma-ray level gage, 23:2686
- INOUE, Yoriteru Disposal of radioactive waste into ground, 25:4315
  - Dynamic concentration process of radioactive substances to aquatic organisms, 25:10998
  - Elution of radionuclides from solidified wastes, 24:34981
  - Movement through soil of radioactive nuclides contained in chemical processing waste, 22:51208
  - Removal of radioactive iodine vapor with ion-exchanger, 21:32356
  - Removal of radioactive iodine vapor with ion-exchanger, 23:350 (NSJ-tr-117)
  - Safety evaluation of solidified radioactive wastes into the ground, 24:48251
  - Solidification of high radioactive liquid waste with cement, 22:43018 (NSJ-tr-113)
  - Study on the solidification of high-level radioactive liquid waste with cement, 22:4419
- INOUE, Yoshikazu Determination of plutonium in soil samples, 25:47
- INOUE, Yoshinori Relativistic effects on nonlinear waves in a cold collisionless plasma, 24:42744
  - Solitary waves propagating at an angle to a magnetic field in a collisionless warm plasma, 22:52810
  - Wave trains propagating at an angle to a magnetic field in a collisionless plasma, 23:18707
- INOUE, Yuji Full wave solution for transmission of ulf and elf waves through the ionosphere, 25:47380 (AD-715301)
  - Geomagnetic pulsations during a magnetic storm in the southern auroral zone, 23:18525
- INOUYE, G. T. Auroral rocket experiment 2, 25:24955 (N-70-32498)
  - Correlated magnetic field and plasma observations of Earth's bow shock, 22:13335
  - Dual satellite observations of Earth's bow shock. I, 25:1068
  - Dual satellite observations of Earth's bow shock. III, 25:16895
  - Dual satellite observations of Earth's bow shock. II, 25:16894
  - Measurements of precipitated 1 to 20 keV protons and electrons during a breakup aurora, 24:17748 (N-69-41121)
  - Oblique shock of proton flare of 7 Jul 1966, 24:30102
  - Precipitated protons 1 to 20-keV and electrons during a breakup aurora, 23:39376
  - Vela 3 magnetograms at 18 R/sub E/, 21:37290
- INOUYE, H. Elastic scattering of K^+ ions with Ar, 23:44176
  - Equilibrium N pressures and thermodynamic properties of UN, 22:21764
  - High-temperature sorption of nitrogen by Nb—1 percent Zr in ultrahigh vacuum, 23:30017 (ORNL-4403)
  - Influence of various ordered states on the mechanical properties of vanadium—cobalt—nickel ternary alloys, 25:35385
  - Interactions of refractory metals with active gases, 23:967 (ORNL-4312)
  - Interactions of refractory metals with active gases, 23:18247
  - Low-temperature ductility and hydrogen embrittlement of uranium, 23:35993 (ORNL-TM-2563)
  - Method of measuring ion beam profiles, 22:26214
  - New platinum-base capsule alloys for space isotopic heat sources, 24:32416
  - Niobium—1 percent Zr alloy, 23:27095
  - Physical and mechanical metallurgy of refractory alloys, 24:2918 (ORNL-4470, pp 58-62)
  - Simple method of determination of the distribution and solubility limit of interstitials in substitutional solid solutions, 25:55568
  - Total collision cross sections of particles with argon electron configurations with argon, 22:19775
- INOUYE, Kenji Some investigations on inviscid boundary layer of magnetohydrodynamics, 22:5208 (NAL-TR-110)
  - Some investigations on inviscid boundary layer of magnetohydrodynamics, 22:15406
- INOUYE, S. Arc melting, working, and properties of W—0.6Nb alloy, 23:48421
- INOUYE, T. Application of Fourier transforms to analysis of spectra data, 22:33166
  - Application of Fourier transforms to analysis of spectral data, 23:7786
  - Computer method for the analysis of complex gamma-ray spectra, 21:36213
  - Cost evaluation of nuclear power stations in Japan, 24:16094
  - Data reduction in activation analysis, 23:31314
  - GAMANL: computer program applying Fourier transforms to the analysis of gamma spectral data, 25:53747 (MIT-3944-2)
  - Image analysis of thermal neutron radiographs, 23:7712 (NP-tr-1716)
  - Investigation of a rapid and non-destructive fast-neutron activation analysis for many elements by using a semiconductor detector, 23:19681
  - Method of determination of thermal neutron beam collimation, 21:4188
  - Problems in siting nuclear power plants in Japan and efforts to solve them, 22:18427
  - Square root transform for the analysis of quantum fluctuations in spectrum data, 25:18739
- INOUYE, Takeichiro Determination of Pu in urine, 23:35022
  - Evaluation of radioactive aerosols. I, 21:6497 (AEC-tr-6828)
  - Selection of respirators for radioactive contaminants, 24:31756
- INOUYE, Tamon Analysis of complex gamma-ray spectra, 23:41044 (EUR-4289, pp 375-8)
  - Neutron radiography in Toshiba, 23:33353
  - Total-body N and protein, 24:9736
- INOZEMTSEV, V. F. Experimental verification of radiation method for production of tetrachloroalkanes, 25:21015
- INOZEMTSEVA, O. I. Anisotropy of 10^{10}- to 10^{12}-eV cosmic rays in galactic space, 22:11264
  - Cosmic-ray anisotropy in the periods following proton outbursts, 25:14075
  - Interplanetary space conditions by three-dimensional anisotropy of cosmic rays, 25:30320
  - Possiblity of determining cosmic-ray variation intensity from stellar time, 21:46190
  - Sidereal diurnal variation of cosmic rays, 22:21948
- INSCH, G. Progress in the exploitation of the gas-cooled reactor, 22:46906 (NP-17599, pp 1-6)
- INSCH, G. M. HTR: choice of style and performance, 24:24791
  - Objectives and realisation of the helium-cooled high temperature reactor, 25:54029 (A/CONF.49/P-480)
- INSINGER, F. G. Axially-fed 100kG pulsed field coil, 22:10457
  - Time resolved beam distribution functions, 23:32363
- INSLEY, H. Equilibrium phase diagram of the lithium fluoride—beryllium fluoride—zirconium fluoride system, 22:37746
- INSLEY, Herbert Phase relations in fluoroborate systems. II, 25:48500
  - Phase relations in system KF—CeF_3, 25:48501
- INSTON, H. H. Prog. rpt. on electromagnetic pulse research, final, 9/64—8/65, 21:692 (NP-16306)
- INSTONE, C. S. Design and performance of a superconducting dipole magnet, 23:6250
- INTEMANN, G. W. Model for K/sub e5/ decay, 22:3252
- INTEMANN, Gerald W. Axial-vector-meson dominance and a new estimate for decay $K^+ \rightarrow \pi^+\gamma\gamma$, 25:9745
  - Cabibbo theory, pole dominance, and sum rules for radiative decays of pseudoscalar mesons, 23:36897
  - Current algebra and eta $\rightarrow \pi^+\pi^-\pi^0\gamma$ decay mode, 22:15728
  - Current algebra, vector dominance, and decay K/sub L/^{0} $\rightarrow \pi^+\pi^-\pi^0\gamma$, 25:14640
  - Current-algebra calculation of K/sub e5/ vector form factors, 22:37123
- INTEMANN, Gerald William Current algebra and the K/sub e5/ decay mode, 23:10794
- INTEMANN, R. L. Angular distribution of internal bremsstrahlung in orbital-electron capture from polarized nuclei, 25:25802
  - K-electron ejection accompanying nuclear K capture, 21:30052
  - Relativistic corrections in theory of K-electron ejection during K capture, 23:31067
  - Relativistic effects in K-electron ejection during K capture, 24:35905
- INTENBERG, L. Color center generation in LiF crystals, 23:51789
- INTENBERG, L. E. Radioluminescence of LiF—U, 22:9434
  - Temperature dependence of lithium fluoride radioluminescence yield and emission spectra, 22:4170
- INTONTI, R. Atomic absorption determination of strontium, 22:35752
- INTRILIGATOR, D. S. Evidence for a geomagnetic wake at 500 Earth radii, 24:51531
  - Pioneer 8 electric field measurements in the distant geomagnetic tail, 24:32738
  - Preliminary power spectra of the interplanetary plasma, 25:9102
- INTRILIGATOR, Devrie S. Albedo neutron source for high-energy protons trapped in the geomagnetic field, 22:26316
  - Solar wind interaction with the geomagnetic field, 24:21699
  - Solar wind plasma in geomagnetospheric wake at 1000 and 500 Earth radii, 23:27478
- INUI, Toshiyuki Calculations of electron temperature across a shock wave of a partially ionized gas, 23:51668
- INUISHI, Y. Annealing behavior of bulk n-GaAs irradiated by electrons, 25:59156
  - Effect of impurities on radiation defects of p-type silicon, 22:36993
- INUISHI, Yoshio Amplification of neutral acoustic waves in gaseous plasmas, 24:12870
  - Annealing of P-doped Ge irradiated by electrons at 77°K, 24:18028
  - Effects of electron irradiation on photoluminescence of n-GaAs, 25:36274
  - Effects of neutron irradiation in p-type silicon, 23:42461
  - Enhanced microwave scattering by plasma instability in a magnetic field, 23:6985
  - Helical instability and nonlinear effects of short magnetized positive columns, 21:37506
  - High-field conduction in polyethylene, 24:4314
  - Interaction between radiation defects and impurities in p-type Si, 23:23257
  - Moving striations and helical oscillation in a longitudinally magnetized positive column, 21:9588
  - Moving striations in a longitudinally magnetized plasma column, 21:733
  - Nonlinear effects of helical instability in short magnetized positive columns, 21:16957
  - Photoconduction of high-density polyethylene, 22:4178
  - Photoconductivity in γ-irradiated anthracene crystals, 24:42775
  - Recombination centers in γ-ray irradiated boron doped P-type Si, 22:41672
  - Studies of recombination centers in gamma-irradiated p-type silicon, 25:9567
  - Ultrasonic wave amplification in gaseous plasmas, 22:44120
  - X-ray induced photoconductivity in anthracene, 22:41690
- INUKAI, Kagami Method for producing polyfluorocyclobutenes with a dialkylphosphono group, 23:6166
  - Producing fluorochloroethers by ionizing radiation, 22:8163

- INUKAI, Kan Radiation-induced addition reaction of thiols to chlorofluoroolefins, 21:1384
  - Radiation-induced addition reaction of thiols to chlorofluoroethylenes, 21:30457
  - Radiation-induced addition reactions of ethers and alcohols to perfluoropropene, 21:23942
  - Radioinduced addition reactions of ethers and alcohols to perfluoropropene, 22:21095
- INUZUKA, Tadao Nucleation density and epitaxy of gold deposited onto color-centered cleavage surface of rocksalt, 22:39212
- INVERNIZZI, C. G. Ionic conditioning of air, 25:15842 (ORNL-tr-2427)
- INVERNIZZI, G. Effect of low x-ray doses on CNS and radioprotective tests on drugs, 24:6115
- INYUTIN, E. I. Change in reactivity of BR-5 reactor, 25:23339 (JPRS-52290, pp 125-41)
  - Physical characteristics of Sever Mobile Nuclear Power Plant, 25:23384
  - Physical characteristics of the Sever mobile nuclear power plant, 24:47927
  - Physical characteristics of water-moderated water-cooled reactor, 22:20812 (FEI-88)
  - Physical characteristics of water-moderated water-cooled reactor with burnable poisons, 22:42355 (ANL-Trans-637)
- INZAGHI, A. Modified electron spin resonance spectrum simulation program, 23:9277 (EUR-4064)
- INZANI, P. Counter for measurement of leakage flux of secondary cosmic-ray neutrons, 23:11816
- INZELT, Gy Dependence of the light output of liquid scintillation systems on spectral properties of components, 25:26462
- INZELT, Gyoergy Dependence of the light output of liquid scintillation systems on the spectral properties of the components, 25:44594
- INZELTNE, Gerber Edit Beta backscattering of some organic solvents, 22:124
- INZINNA, J. F. Radioactive lung scanning in diagnosis of pulmonary disease, 24:36783
- IOANNESYANTS, L. M. Use of an x-ray analyzer with a semiconductor detector for elemental analysis, 25:42217
  - Use of sequential statistical analysis in measurement of nuclear radiation, 22:45286
- IOANNIDIS, G. Plasma densities in the Jovian magnetosphere, 25:49696
- IOANNIDIS, George A. Magnetospheres of Jupiter and Earth, 25:16747
- IOANNILLI, E. Experience on the materials used in nuclear power plants, 24:49976
- IOANNOU, J. M. Radiosensitivity of oocytes in postnatal guinea pigs, 23:31924
- IOANNOU, John T. Spectral response system for processing photocathodes, 21:4735
- IOANNOU, Tom Kyriacou Prediction of equilibrium data for solvent extraction system $SmCl_3$—$NdCl_3$—HCl—H_2O, 23:17515 (IS-T-285)
  - Prediction of equilibrium data for solvent extraction system $SmCl_3$—$NdCl_3$—$CeCl_3$—HCl—H_2O with extractant D2EHPA-Amsco, 25:2311 (IS-T-412)
  - Prediction of equilibrium data for the solvent extraction system $SmCl_3$—$NdCl_3$—$CeCl_3$—HCl—H_2O with the extractant Di-(2-ethylhexyl) phosphoric acid in amsco, 25:32068
- IOANNU, P. D. Elastic and inelastic proton scattering on ^{33}S, ^{34}S, and ^{35}Cl, 25:31291
- IOANOVICIU, D. Effect of pole piece parallelism errors on image of mass spectrometers, 23:41166
  - Multimodulated cyclotron mass spectrometer with alternating pulses, 21:10692 (IFA-IS-38)
  - Multimodulated cyclotron mass spectrometer with alternating pulses, 23:11916
  - Perfect angular focussing in transverse magnetic fields, 23:44785
  - Performance of 1/r axially symmetric field prism electromagnetic separator, 23:50228
- IOANOVICIU, Damaschin Decomposition of H^+_3 ions in the analyzer tube of mass spectrometer, 22:19222
- IOFA, B. Z. Extraction of complex acids by oxygen-containing solvents. X, 24:19068
  - Extraction of complex acids by oxygen-containing solvents. XII, 24:19069
  - Extraction of complex acids by oxygen-containing solvents. XIII, 24:39022
  - Extraction of complex oxygen-containing acids by organic solvents. XI, 24:19074
  - Investigation of synthetic inorganic ion exchangers, 22:12291
  - Isolation of radioactive ^{48}V and ^{49}V from Ti target irradiated in cyclotron, 25:37446
  - Isomer chemical shifts of Moessbauer γ line in isoelectronic antimony compounds, 22:11510
  - Isomer shifts of Moessbauer γ line in trivalent antimony halides, 22:44244
  - Kinetics of Sb(III and V) extraction, 25:12999
  - Role of hydrodynamics in kinetics of isotopic exchange in Sb(V)—HCl—$(C_4H_9)_2O$—H_2O systems, 23:47439
  - Study of iodine extraction kinetics by means of the isotope exchange method, 25:15595
  - Study of kinetics of benzoic acid extraction with toluene by isotopic exchange method, 25:34584
- IOFA, E. L. Radiosensitivity of human chromosomes in leucocyte culture, 22:484
- IOFA, M. Z. Asymptotic states is nonlocal field theory, 23:39787 (ITF-69-26)
  - Bounds on the elastic amplitude in nonlocalizable field theories, 25:59565
  - Nonlocalizable theories. II, 24:30564
  - Wightman formulation for nonlocalizable field theory. I, 23:39785 (ITF-69-23)
  - Wightman formulation for nonlocalizable field theory. II, 23:39786 (ITF-69-25)
  - Wightman formulation for nonlocalized field theory. I, 23:32815
- IOFFE, A. I. Acoustic flow in a superfluid liquid, 25:14130
  - Certain magnetohydrodynamic flow problems related to wave propagation, 25:19566
- IOFFE, B. L. Absence of form factor in e^2 corrections to amplitudes of neutrino and electron scattering on nucleons, 25:30819
  - Absence of form factor in e^2 corrections to neutrino—electron and neutrino-proton scattering amplitude, 25:53113
  - Contribution of terms of order e^2G to anomalous magnetic moment of muon, 24:35626
  - Current algebra, 22:20155 (INP-555/PH, pp 5-42)
  - Current algebra and hypothesis on a partial conservation of axial current, 22:9565
  - Current algebra and weak interactions, 22:17912
  - Divergences of amplitudes of weak nonleptonic processes in the theory with an intermediate boson, 24:3608
  - Divergences of amplitudes of weak nonleptonic processes with photon emission, 25:30805 (NP-18777)
  - Divergences of the amplitudes of weak nonleptonic processes involving photon emission, 25:14655
  - Electromagnetic interactions of W bosons, 23:51911
  - Isovector current conservation and relations for electromagnetic amplitudes, 21:17079
  - Longitudinal distances in gamma quantum scattering, 23:51893
  - Neutral currents and the limit of applicability of the weak interaction theory, 22:5555
  - Neutral currents in weak interaction theory, 22:20203
  - Production of W bosons by superhigh-energy γ quanta, 23:51890
  - Schwinger terms and annihilation $e^+ + e^- \rightarrow$ hadrons due to vector meson current, 25:33617
  - Space—time picture of γ-quantum scattering by nucleons at high energies, 23:32671
  - Space—time picture of photon and neutrino scattering and electroproduction cross section asymptotics, 23:49093
  - Test of Bjorken's asymptotic formula in perturbation theory, 22:17923
  - Total annihilation cross section of electron—positron pairs into hadrons at high energies, 21:29486
  - Total annihilation cross section of electron—positron pairs into hadrons at high energies, 22:1408
  - Total annihilation cross section of electron—positron pairs into hadrons at high energies, 22:7466 (ITEF-493)
  - Use of current algebra to calculate radiative corrections to the β-decay constant in the theory with intermediate boson, 21:9757
- IOFFE, I. V. Instability of a plasma with two ion species in a magnetic field with an applied ac electric field, 25:49913
  - Instability of a weakly-inhomogeneous plasma with two species of ions, 24:28313
- IOFFE, M. S. Confinement of plasma in a trap with a combined magnetic field, 21:39978 (AD-651089)
  - Investigation of plasma decay in the PR-6 adiabatic trap, 25:38365 (CONF-710607-94)
  - Ion—cyclotron instability of a plasma in adiabatic trap with "Minimum-B", 22:13516 (NP-tr-1604)
  - Ion-cyclotron instability of a plasma in an adiabatic trap with a minimum B, 21:44136
  - Ion-cyclotron instability of plasma in an adiabatic trap with a "B minimum", 22:20026 (IAE-1331)
  - Plasma containment experiments, 23:32326
  - Stabilizing plasma in adiabatic traps, 24:30354
- IOFFE, M. V. Form factors for leptonic decays of baryons, 23:44637
- IOFFE, R. B. Electric and magnetic properties of zirconium hydride, 22:4099
- IOFFE, V. A. Behavior of rare earth impurities in CeO_2 and HfO_2 monocrystals during crystallization in melts, 22:41091
  - Electrical conductivity and O diffusion coefficient of CeO_2, 23:44545
  - Electrical properties of cerium dioxide single crystals, 22:37030
  - Thermoluminescence and electron paramagnetic resonance of irradiated aluminum silicates, 22:9463
- IOFFE, V. G. Equations correlating the inflammability characteristics of metal powders, 25:55473
  - Inflammability of zirconium powders and its alloys in suspension, 22:28808
- IOFFE, Z. M. Comets in solar wind. III, 22:13100
  - Comets in the solar wind. II, 21:5191
  - Magnetohydrodynamic effects in comets, 22:36580
  - Mechanism for generating Alfven waves in comets, 24:30096
- IOFFREDO, M. L. 3π mass spectrum in the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 13 and 20 GeV/c, 22:52948
  - Coherence of isoscalar and isovector exchange amplitudes in $\pi^{+-}p \rightarrow A_1^{+-}p$, 25:9650 (COO-1195-202)
  - Double Regge pole model for reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 13 and 20 GeV/c, 24:49522
  - Failure of s-channel helicity conservation in A_1 production, 25:7552 (COO-1195-201)
  - Partial wave analysis of 3π decay of A_2, 24:45422 (COO-1195-193)
  - Partial-wave analysis of the 3π decay of the A_2, 24:49472
  - Reaction $\pi^-p \rightarrow p\pi^-\omega^0$ at 5.0 and 7.5 GeV/c, 24:40259 (COO-1195-188)
  - Reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 13 and 20 GeV/c, 24:49346
- IOGANSEN, A. V. Isotopic exchange between nonvolatile compounds and heavy water in inert solvent, 23:28820
- IOKHEL'SON, S. V. Potassium, Ra, and Th contents in Caucasian soils, 21:12525
- IOLIN, E. M. Inhomogeneous dynamical nuclear orientation in the phonon thermal conductivity of the paramagnetic crystals, 22:5423
- IOLTUKHOVSKII, A. G. Behavior of stainless steel in Na temperature range of 600 to 900°C, 21:40703
  - Problems of developing fuel elements for fast neutron reactors, 23:52350 (JPRS-48331, pp 462-80)
- ION, D. B. Cerenkov mechanism and resonance production, 25:56498 (IFA-HE-76)
  - Cherenkov mechanism for single-pion production in hadron—hadron interactions, 25:41016
  - Mesonic Cherenkov radiation in nuclear media, 24:28510
- ION, I. X. Process to increase the efficiency of argon-filled spark chambers, 22:49122
- IONAITIS, G. Nuclear magnetic resonance spectrometer, 23:45592
- IONAITIS, R. R. Electrohydraulic control rod safety system for SM-2 reactor, 21:44875
  - Experiments on initial travel of safety rod, 21:17540
- IONESCO, Helene Chromosomal localization of certain asporogenic mutants of B. subtilis marburg, 22:51520
  - Classification of sporulation mutants of Bacillus subtilis, 22:28409
- IONESCO-PALLAS, Nicholas J. Relativistic Schroedinger equation for a particle with arbitrary spin. II, 24:10648 (IFA-FT-75)
- IONESCO-PALLAS, Nicolas J. Relativistic Schroedinger equation for a particle with arbitrary spin, 22:11613
- IONESCU, Al. New contributions to the study of sunflower treatment, 23:9922
- IONESCU, Constantza Valuation of total absolute efficiencies for NaI(Tl) cylindrical and well-type crystals, 23:24425 (IFA-MR-30)
- IONESCU, D. Correlation between hemorrhagic cystitis in cattle and natural radioactivity, 21:11101
- IONESCU, D. R. Magnetic mirror thermal neutron polarizer, 21:21396
  - Upper limit of the electric dipole moment of the neutron, 24:12920 (IFA-NR-30)
  - Upper limit of the electric dipole moment of the neutron, 24:45414
- IONESCU, E. Activation phenomena in cooling-water of VVR-S reactor, 22:30306 (IFA-FR-59)
  - Detection of cladding failure in a reactor by measuring the cooling water activity, 21:23758
  - Determination of ^{56}Mn in coolant fluid of VVR—S Reactor, 25:23358
  - Determination of the concentration of ^{59}Fe in the coolant water of VVR-S reactor, 25:57346 (IFA-FR-82)
- IONESCU, Ecaterina Correlation of the activity of the reactor coolant with apparent absence of a fuel element can by the use of gamma spectroscopy, 24:11266 (IFA-FR-78)
  - Quantitative determination of ^{60}Co in cooling water of VVR—S reactor of Inst. of Atomic Physics, 25:20941
  - Some considerations concerning the detection of cladding defects in nuclear reactors, 21:35779
- IONESCU, G. Determination of ^{56}Mn in coolant fluid of VVR—S Reactor, 25:23358
  - Determination of the concentration of ^{59}Fe in the coolant water of VVR-S reactor, 25:57346 (IFA-FR-82)
  - Electronic devices and circuits in installations provided with radioactive isotopes, 21:30758
  - Use of radiation effects in chemistry, 23:43344
- IONESCU, I. V. Studies in the field of polyethylene. IV, 24:36324
- IONESCU, J. Contribution to the identification of metamict minerals, 25:21213
- IONESCU, Lavinel Liquid scintillators. XIV, 23:2600
- IONESCU, M. Alterations in activity of 1 glutamate NAD oxidoreductase under influence of ionizing radiations and in tumors, 24:27542
  - Blood changes in calcium and magnesium ion concentrations after whole-body x-irradiation, 24:31853
  - Effect of gamma-rays on some pea species, 25:27089
  - Method of individual photodosimetry for ionizing radiations, 24:34325
  - Relationship between PRPP synthesis and NAD synthesis in rabbit erythrocytes after x-ray irradiation, 25:32544
- IONESCU, Maria Determination of ^{32}P in water and urine, 23:49738
- IONESCU, P. Curarizing substances on the conditions of radiation sickness, 21:4848
  - Evolution of renal lesions in radiation sickness, 21:4871
  - Humoral and functional changes in the syndrome caused from combined action of burns and whole body irradiation, 21:4874
  - Pharmacodynamic action of some autonomic substances in the irradiated body, 21:4851
- IONESCU, S. Radiation induced oxidation of sulfur dioxide in the presence of water saturated vapour, 23:35198
- IONESCU, Silvia Synthesis and decomposition induced by ionizing radiation, 24:7478
- IONESCU, T. D. Synthetic inorganic ion-exchangers. I, 22:33552
- IONESCU, Theodor V. Correlations between ionospheric phenomena and those observed in laboratory, 22:31726
- IONESCU, Theodore V. Ion oscillations in hollow cathodes in a magnetic field, 24:37446
  - Some aspects of the discharge in continuous current due to cathode electrons, 21:31452
- IONESCU, V. State Committee for Nuclear Energy of Socialist Republic of Romania and its activities in field of international cooperation, 25:54324 (A/CONF.49/P-341)
- IONESCU, V. A. Conversion coefficient of 756.5-keV transition in /sup 141m/Nd decay, 24:45783
  - Decay of ^{154}Tb isomers with half lives of 8 and 24 hours, 23:42941
  - Disintegration of ^{104}Rh (43 sec) and of /sup 104m/Rh (4.4 min), 23:46982 (CONF-690518-1)
  - Existence of isomer of ^{172}Lu with T/sub $^1/_2$/ = 4HR, 22:20586
- IONESCU-BUJOR, M. Upper limit of the electric dipole moment of the neutron, 24:12920 (IFA-NR-30)
  - Upper limit of the electric dipole moment of the neutron, 24:45414

- IONESCU-BUJOR, T. Determining the temperatures of atomic and ionic emission spectra, 25:22485
- IONESCU-MUSCEL, C. Electronic devices and circuits in installations provided with radioactive isotopes, 21:30758
- IONESCU-PALLAS, N. J. Effects due to isotopic change of mass, 25:39479
  - Electrodynamics of moving media and the theory of relativity, 23:27848 (IFA-FT-72)
  - From classical to quantum mechanics. III, 23:39587
  - Generalizing the Dirac equation, 24:45452
  - Isotope shifts and intrinsic deformations in Ba, 21:19318
  - Quantum mechanics: the concept of energy, 23:46585
  - Redshift and epochs in generalized Friedmann and Lemaitre cosmology, 24:30120
  - Relativistic wave equation for spin-$^1/_2$ particle, 22:44408
  - Search for a fundamental wave equation, 23:18775
  - Theory of nuclear compressibility and application to isotope shift problem, 25:56846
- IONESCU-PALLAS, Nicolae Introduction to modern theoretical mechanics, 25:36361
- IONESKU, S. Radiochemical study of products of fission of uranium irradiated by accelerated argon ions, 25:23047
- IONICE, G. Double charge exchange of 50- to 176-MeV π^- mesons in photoemulsion, 21:17053
- IONIKH, Yu. E. Transfer of excitation from ^{1}p to ^{1}D level of helium, 23:6881
- IONIKH, Yu. Z. Cross sections for excitation of helium, 23:41980
  - Decay of metastable 2 ^{1}S state of He, 23:22883
- IONIN, B. I. Device for observing nuclear magnetic double resonance ^{1}H—^{31}P and ^{19}F—^{31}P by means of spectrometers with frequency of 40 MHz, 22:24473
- IONITA, G. Double charge exchange of π-mesons in photoemulsion in 50 to 176 MeV energy range, 22:50307
  - Meson production by interaction of π^+ mesons with photoemulsion kernels at 185 to 295 MeV energies, 25:19919
- IONITA-TEODORASCO, Lidia Kidney irradiation in scanning with Neohydrin ^{197}Hg, 23:35741
- IONITSE, G. Meson generation by mesons and double-recharge of π mesons in photoemulsion nuclei at energies from 210 to 375 MeV, 22:48228 (JINR-P1-3947)
  - Meson production of mesons and double charge exchange of π^- mesons on emulsion nuclei from 210 up to 375 MeV, 23:25527
- IONKINA, E. M. Properties of cast nickel—chromium alloys alloyed with niobium and molybdenum, 25:29839
  - Properties of the chromium—nickel alloys containing niobium and molybdenum, 25:4782
- IONOV, N. I. Desorption of ions from the surface of a copper layer by slow electrons, 21:46152
  - Desorption of ytterbium and neodymium from tungsten by an electric field, 25:58230
  - Heats of desorption of K and Cs on surface of W, Mo, and Ta, 24:51158
  - Interaction between oxygen and tungsten, 23:51002
  - Interaction of water vapor with the surface of tungsten, 25:2722
  - Isothermal heat of evaporation of ytterbium and neodymium ions on a tungsten surface, 25:55533
  - Oxidation kinetics of tungsten, 24:29916
  - Surface ionization coefficient of barium atoms on tungsten surface, 22:29245
- IONOV, S. P. Problem of calibration of isomeric shifts in gamma-resonance spectroscopy, 25:56370
- IONOV, V. A. Airplane measurement of global fission fragment contamination of a territory by determining the gamma-ray spectrum, 22:18971
  - Gamma-spectrometric measurements of ^{137}Cs by an aircraft during global radioactive contamination, 23:846
  - Use of gamma-ray spectra in airborne measurements of global fallout contamination of territories, 21:19769
- IONOV, V. I. Investigation of the interaction of thorium chloride with the chlorides of Mg, Ca, Ce, Al, Fe, Nb, Ta, and the oxychloride of Nb in melts, 21:36929 (IS-Trans-56)
- IONOV, V. P. Salting out during extraction of thorium nitrate. III, 22:10330
  - Salting out during extraction of thorium nitrate. I, 22:10334
  - Salting out during extraction of thorium nitrate. II, 22:10329
- IONOV, V. S. Three-dimensional fuel burn-up calculations in WWER reactors, 22:22739
- IORDACHE, S. Gh. Gold—silver mineralizations investigated by bore-hole geophysical methods, 23:2216
- IORDACHESCU, A. New nuclear isomers in the microsecond region, 23:45012
  - Nuclear isomers with half lives in 2- to 3-μsec range, 23:23707
  - Nuclear isomers with half lives in 20-μsec to 15-msec range, 23:23706
- IORDANO, A. Pulsed light of G—M counter discharge, 23:38259
- IORDANSKII, S. V. Stability of a plane stationary shock wave, 25:20867 (LA-tr-71-10)
- IORGULESCU, A. Active γ fission products in sea plankton, 21:39419
  - Measurement of the contamination of radiogenic argon with atmospheric argon by scintillation spectrometry, 24:38767 (IFA-MR-33)
- IORGULESCU, Adriana Study of ^{37}Ar disintegration with various types of organic scintillators, 25:55030
- IORI, I. Direct-reaction mechanism (p,α) in light nuclei, 24:30697
  - Fission fragment angular distribution in proton-induced fission of ^{209}Bi, 24:26648
  - Fission of ^{210}Po, 25:15010
  - Nuclear-level densities from cross-section fluctuations, 21:46808
  - Reactions (p,α) on light nuclei at 38 MeV proton energy, 22:26893
  - Shell effects on level density in near doubly magic nuclei, 24:8949
  - Study of (p,α) reactions in light nuclei at 38 MeV, 23:19195
  - Theoretical calculations of statistical heavy-ion reactions, 22:53114
- IORISH, Yu. I. Inertial plasma effect in glow discharges, 23:10655
  - Reaction of contracted glow discharge to uniform rotation, 22:22169
- IOSEL'SON, G. L. Feasibility of using the super-high-frequency radiation of a plasma for an accurate measurement of its temperature, 25:11877
  - Microwave radiation from a reflex discharge in an inhomogeneous magnetic field. II, 24:49138
- IOSHPA, B. A. Magnetic field decay in the group 21034 during the proton flare period of July 1966, 23:22806
  - Magnetic-field structure around filaments, 23:36396
  - Structure of magnetic field of sunspots, 23:36388
- IOSIF, V. Fast and resonance neutron spectrum in water and graphite, 24:10894 (IFA-FR-77)
- IOSIFESCU, M. Hartree—Fock calculation for ^{4}He in nonorthogonal basis, 25:38871
  - Hartree—Fock calculations for light nuclei, 24:30923
  - Hartree—Fock calculations in light nuclei, 24:38302 (IFA-FT-78)
  - SU$_3$ Wigner coefficients in angular momentum space, 21:27395
  - SU$_3$ Wigner coefficients in angular momentum space. II, 24:26688
- IOSILEVSKII, Ya. A. Energy distribution of slow neutrons inelastically scattered in crystals, 23:3584
  - Moessbauer effect in complex multicomponent systems, 22:9471
- IOTH, Akio Some experiments on evaporation synthesis: formation of TiN and ZrN, 25:32786
- IOTKOVSKII, B. G. Effect of boundary layer on electrical characteristics of MHD generators, 22:52579
  - Emergency operating modes of MHD generator, 25:33096
  - Flow of plasma with variable physical properties over insulating walls of an MHD channel, 25:38209
  - Method of successive approximations for boundary layer calculations in MHD flow in channels, 23:51441
- IOTTI, R. C. Scattering of fallout radiation from ceilings of protective structures, 21:28181
  - Solution of the ceiling-shine problem in structure shielding design and analysis, 21:7310
- IOTTI, Robert Charles Cluster-model evaluation of neutron cross sections for light-weight nuclei, 25:28167
- IOUP, George Elias Low-energy atomic and molecular collisions, 23:39328
- IOVA, Iancu Broadening and shift of Ar I and Ar II spectral lines in a spark plasma, 23:3460
- IOVANOVIC, S. Use of a critical assembly in obtaining data for installing a flux trap in a research reactor, 22:12111
- IOVCHEV, K. I. Slope parameter of differential cross section of elastic p—p scattering in energy range 12 to 70 GeV, 24:1513
- IOVDAL'SKAYA, V. D. Microdetermination of Cl in rare-earth-metal chlorides and Zr and Hf in oxychlorides, 22:48845
- IOVLEV, B. V. Alteration of the bioelectric activity of the brain in patients with arachnoiditis under the influence of radiation treatment, 25:42678
- IOVNOVICH, M. L. Acceleration of multiple charged ions by the collective method, 23:37046 (UCRL-Trans-1395)
  - Acceleration of multiply-charged ions by collective method, 23:52101
  - Calculation of the phase volume of the electron—ion bunches in the collective accelerator and the problems of separation, 25:12302 (JINR-P9-5405)
  - Diagnostics of electron—ion clusters by means of bremsstrahlung, 25:33915
  - Electron—ion bunch diagnostics by bremsstrahlung, 25:9908 (KFK-tr-337)
  - Electron-ion bunch diagnostics by means of bremstrahlung, 25:36616 (UCRL-Trans-1440)
  - Motion of particles in the "adgeza,,, 23:21189 (UCRL-Trans-1390)
  - Problems of electron-ion ring stability, 23:13147 (JINR-P9-4138)
  - Problems of particle motion in adgesator, 23:8865 (JINR-P9-4132)
  - Stability of an electron-ion ring, 23:21190 (UCRL-Trans-1392)
  - Storage of multicharged ions in relativistic electron beam, 25:20210
- IOVTCHEV, M. Activation analysis as a fast method for non-destructive determination of lanthanum in phosphates, 25:37325
- IOZENAS, V. A. Vertical ozone distribution in the upper layers of the atmosphere, 23:10548
- IOZON, Doina Effect of gamma irradiations on development of chick embryos. II, 24:51037
  - Influence of gamma irradiations on development of chick embryos. I, 24:46661
- IP, A. Kwok-chun Nuclear fuel assembly, 24:38638
- IPATOV, V. A. Investigation of plasma compression using microwave reflection, 24:37440
  - Methods of plasma investigation by microwave reflection, 25:58995
  - Research on ultra-high-frequency heating and adiabatic compression of a plasma in the Tuman-2 facility, 25:38389 (CONF-710607-141)
  - Studies of plasma pinch by reflection of ultrahigh frequency waves, 22:44089 (NP-17570)
  - Study of plasma compression by means of reflection of superhigh-frequency waves, 22:39032 (MATT-Trans-59)
- IPAVICH, Fred M. Cosmic x rays and γ rays, 24:39898
- IPOHORSKI, M. Electron radiation damage in a high voltage electron microscope, 24:6633
  - Interaction between radiation damage and coherent precipitates, 25:59163
  - Study of neutron damage in Be-doped Cu, 25:8902
  - Vacancy tetrahedra in copper due to electron irradiation in the high-voltage microscope, 25:13731
- IPPEN, H. Effect of light on skin, 23:50341
- IPPOLITOV, E. G. Condensed state diagram of BaF$_2$—LaF$_3$ system, 24:4851
  - Phase diagram of condensed state of BaF$_2$—YF$_3$ system, 24:17387
- IPPOLITOV, V. I. Polarization of protons in stripping reactions on heavy nuclei, 21:44770
- IPPOLITOV, V. T. Fission of ^{226}Ra by neutrons in threshold region, 24:1852
  - Proton polarization in Coulomb stripping, 22:20704
- IPPOLITOVA, E. A. Determination of the U—O ratio in U oxide by coulometric analysis with controlled potential, 21:28
  - Investigation of U(IV) complexing with acetate and formate ions, 25:54581
  - New compound: Th$_2$U$_2$O$_9$, 23:6138
  - Oxidation of U$_4$O$_9$ at temperatures below 300°C, 22:30569
  - Reaction of uranoso-uranic oxide with sodium carbonate, 23:28812
  - Reaction of uranyl chloride with ammonium hydroxide, 23:13700
  - Studies of certain uranium oxides, 21:1952 (CEA-tr-R-1702)
- IPPONMATSU, Tamaki Role of nuclear power in Japan, 24:45864 (CONF-700810-19)
- IPSER, James R. Electromagnetic test fields around a Kerr-metric black hole, 25:47317
  - Gravitational radiation from slowly rotating, fully relativistic stars, 25:30092
  - Relativistic star clusters, 24:32605
  - Relativistic, spherically symmetric star clusters. I, 22:52404
  - Relativistic, spherically symmetric star clusters. II, 23:27316
  - Relativistic, spherically symmetric star clusters. III, 24:1125
  - Stability of relativistic star clusters, 24:48926
  - Stability of ultrarelativistic stars, 24:39745
  - White-dwarf and neutron-star interpretations of pulsating radio sources, 22:29128
- IPSER, James Reid Stability of relativistic spherically symmetric star clusters, 24:17458
- IPSON, S. S. Fission ratios in zero power reactors, 24:31684
  - Progress in the application of solid-state track recorders to reactor physics experiments, 23:29146 (AEEW-M-881)
- IQBAL, J. Radiation induced growth abnormalities in vegetative shoot apices of Capsicum annuum L, 24:12330
- IQBAL, Javed Recovery from cellular damage in vegetative shoot apices of Capsicum annuum L. after acute gamma irradiation, 24:48747
- IQBAL, M. ac conductivity of thoria—yttria solid solutions, 25:30685
  - Combined free and forced convection in a horizontal tube with uniform internal heat generation, 22:28002
- IQBAL, M. Zafar Polarization in pion—nucleon scattering with a Ball—Zachariasen trajectory, 25:47877
- IQBAL, Quazi M. Measurement of plasma volume using /sup 99m/Tc, and /sup 113m/In labelled proteins, 23:50258
- IQBAL, S. M. Curve crossing in single electron-capture collisions, 25:38145
- IQLEEM, Javed Transient and steady state heat transfer through spiral fins, 22:21268 (ENGG/HT-1)
- IRAC-ASTAUD, M. Perturbative solutions of renormalization groups, 25:36565
- IRANI, C. H. Defect clusters in silicon p—n junctions, 23:41182 (COO-1624-17)
  - Electric field strength dependence of surface damage in oxide passivated silicon planar transistors, 25:21488
  - Optimum initial design criteria for the impurity profiles and geometries of radiation hardened diffused silicon p—n junction devices, 25:51951 (COO-1624-36)
- IRANI, G. B. Optical reflectance and electronic structure of dilute alloys, 25:2053 (UCRL-50904)
- IRANZO, E. Determining risk to which a population can be subjected as a result of a nuclear accident, 24:7879
  - Disposal of low- and intermediate-level solid radioactive wastes, 22:16796
  - Effect of time and action of Cd on total accumulation of ^{65}Zn administered orally to guinea pig, 23:24502 (CONF-670649-11)
  - Evaluation of the risks in the process for the production of uranium tetrafluoride, 21:41420
  - Metabolic studies with ^{65}Zn. VIII, 24:4550
  - Metabolic studies with ^{65}Zn. IX, 23:38442
  - Variation as function of time of relation between ^{65}Zn distributed and organic burden, 23:26662 (CONF-670649-23)
- IRANZO, Emikio Soils and plants as indicators of the effectiveness of a gross decontamination procedure, 23:20201 (CONF-680507-, pp 456-9)
- IRANZO, Emilio Program of action following Palomares accident, 23:20200 (CONF-680507-, pp 446-55)
- IRAVANI, J. Localization of mercuric chloride accumulation in rat kidney, 21:10804
- IRBY, H. H. Sr. Waste Solidification Demonstration Program. Experimental techniques for characterization of high-level radioactive solidified waste, 25:354 (BNWL-1425)
- IREDALE, P. Acceptor compensation by Li ion drift, 21:32410
  - Observation of Cherenkov ring images with an image intensifier system of high gain, 22:4541
  - Some ways of recording optical spectra using image intensifiers, 22:8406 (AERE-R-5112)
  - Two possible uses of an electron-optical structure for processing optical signals modulated at frequencies up to 10^{12} cycles/sec, 21:18405 (AERE-M-1813)

IRELAND, D. R. Age embrittlement of multipass welded superalloy joints, 22:6989
  Influence of neutron irradiation on properties of steels and welds typical of ERR, 22:30159 (SwRI-1228-P-9-15)
  Inspection of boron carbide regulating and control rods in Elk River Reactor, 21:44858 (SwRI-1228-P-9-14)
  Inspection of Elk River Reactor pressure vessel after operation, 21:44857 (SwRI-1228-P-9-13)
  Practical technique for obtaining and using plastic anisotropy information, 21:26791 (BNWL-SA-902)
  Radiation effects on the metallurgical fracture parameters and fracture toughness of pressure vessel steels, 25:42905
  Simulation of radiation-induced mechanical property changes, 24:32428
IRELAND, J. G. Defects in interstellar grains, 23:41871
  Evolution of a rotating gas cloud, 22:38689
  Galactic discontinuity near l/sup II/ = 140°, 22:31572
  Motion of an interstellar grain, 24:17589
  Origin of the diffuse interstellar bands, 22:13126
  Ratio of total to selective absorption in the Galaxy, 24:10345
  Role of impurities in interstellar graphite grains, 21:33036
IRELAND, Rosalee Relative susceptibilities of caffeine-sensitive and caffeine-resistant strains of Candida albicans to inactivation and mutation by ultraviolet radiation, 25:27073
IRELAND, W. Mid-latitude radio-satellite scintillation: morphology near sunspot minimum, 23:42088
IREMASHVILI, D. V. High-intensity, resonator-type electron accelerator, 21:40324
  Pulsed electron accelerator, 22:41914
  Resonant high-frequency discharge in high-current resonators for electron accelerators, 24:40524
IRESH, M. Channels of reaction $\pi^-p \rightarrow n\pi^+\pi^-m\pi^0$ at pc = 4 GeV, 24:21937 (NP-tr-1877)
  Channels of the reaction $\pi^-p \rightarrow n\pi^+\pi^-m\pi^0$ at pc = 4 GeV, 24:15489
  Investigation of channels of reaction $\pi^- + p \rightarrow n + \pi^+ + \pi^- + m\,\pi^0$ at pc = 4 GeV, 23:34533 (JINR-P1-4412)
IREY, R. K. Depth effect on film-boiling heat transfer in liquid He II, 25:1154
  Heat transfer to saturated bath of liquid He, 24:5120
  High-speed motion-picture studies of film boiling in liquid helium II, 25:56061
  Investigation of direct energy conversion utilizing a superconducting flux barrier, 22:21983 (CONF-661204-(Vol.2), pp 69.1-12)
IRFAN, M. Relative photopeak efficiencies and photofractions of a 2" x 2" CsI(TL) crystal, 25:8502
  Trypanosoma congolense: infectivity for white mice, 23:38821
IRGOLIC, Kurt Tris(n-octyl)arsine oxide (TOCASO) as a reagent for liquid—liquid extraction. II, 23:401
IRGOLIC, Kurt J. Prog. rpt. on chemistry of the metalloids of Group VA and Group VIA, annual, 1—12/68, 23:17307 (ORO-2733-18)
IRIARTE, B. Charts for Hyades stars, 23:8381
IRIARTE, Modesto Jr. Decommissioning BONUS, 24:30986
  In-reactor inspection and repair procedures for BONUS nuclear power plant, 25:36857
IRIE, F. Concept of pinning force in type II superconductors, 21:43957
  Critical current density in type-II superconductors with oriented pins, 22:34521
  Flux jumps and current degradations in superconducting Nb—50 percent Ti solenoids, 25:45408
  Flux jumps in superconducting Nb—50 percent Ti rods, 22:44047
  Stress dependence of free energy in type-II superconductors, 22:19903
  Theory of hysteresis losses in non-ideal superconductors, 21:13501
IRIE, Fujio Flux jumps in nonideal type-II superconductors. I, 23:18553
  Fluxoid pinning in nonideal type-II superconductors. I, 23:44361
  Losses in superconducting magnet, 22:41521
  Losses in superconducting magnets, 24:17863
  Theory of flux motion in nonideal type-II superconductors, 21:33334
IRIE, Goro Effect of dimethyl sulfoxide on radiation dermatitis, 21:22630
  Superhigh voltage irradiation of bladder tumor, 25:26876
IRIE, Hideo Yearly changes of radiation exposure doses received by workers in radiological occupations at Kyushu Univ. Hospital, 22:36263
IRIE, Hiroyuki Effect of EDTA on rejoining chromosome breaks induced by x rays, 23:38549
IRIE, Keichi Nondestructive testing with electron Linac, 24:33075
IRIE, Koichi 300 MeV electron linear accelerator, 23:32875
  5 MeV electron linear accelerator for CEA in France, 23:32871
  Generation of high-intensity beams of nanosecond pulse duration by electron linacs, 25:14858
  Measurements of phase bunching in electron linacs by rf deflector, 24:15730
  Measuring and controlling systems of ML-300 electron linac, 22:22504
  ML-5 electron linear accelerator for Commissariat a l'Energie Atomique in France, 23:5741
  ML-5A electron linear accelerator, 22:22499
  Radiographic inspection for nuclear pressure vessels, 23:45487
IRIE, Masahiro Behavior of trapped electrons in irradiated 3-methylpentane glass at 77°K, 22:16617
  Decay of electrons trapped in irradiated 3-methylhexane glass, 23:43374
  Dissociative electron capture process of methyl vinyl ether in organic glasses, 25:18456
  ESR spectra of positive holes in irradiated alkane glasses, 24:37536
  Ionic processes of vinyl ethers in irradiated 3-methylpentane glass, 23:35209
IRIE, Minoru Effect of heparin administration on plasma growth-hormone concentrations, 24:23060
  Radioimmunoassay for canine growth hormone, 25:57909
  Radioisotope study of antigen—antibody reaction, 24:622
  Treatment of hyperthyroidism with ^{131}I, 22:31196
IRIFUNE, Toraji Calculation of dose distributions in radiation therapy by a digital computer. III, 25:46843
  Considerations on methods of constructing isodose curves from minimum experimental data. II, 23:20311
  Method for translating scintiphotos into color by the application of the Sabattier effect, 22:45303
IRIGARAY, J. L. Characteristics of a 120 cm^3 Ge(Li) detector, 24:29512
  Energies and intensities of γ rays from thermal neutron capture by Sr, 22:32546
  Excited levels in ^{139}Ba, ^{140}La, and ^{141}Ce, 24:47592
  Gamma-ray spectra following capture of 14 MeV neutrons by ^{59}Co, ^{93}Nb, and ^{103}Rh, 25:56729
  Radiative capture of fast neutrons in Si, Rb, Sr, and Y, 25:17834
  Radiative neutron capture on Si, Rb, Sr, and Y, 25:7829
  Reactions ^{89}Y(p,γ)^{90}Zr, ^{88}Sr(p,γ)^{89}Y, and ^{86}Sr(p,γ)^{87}Y with 4-MeV protons, 24:3941
IRIGARAY, Jean-Leon Intensities and energies of γ rays in reaction ^{89}Y(n,γ)^{90}Y, 22:9910
  Intensities and energies of γ rays in reaction Rb(n,γ)Rb, 23:21309
  Reaction ^{39}K(p,γ)^{40}Ca, 25:34061
IRIKO, Teruo Electric facilities of Mihama nuclear power station Kansai Electric Power Co, 25:59930
IRINO, Shozo Role of virus in radiation leukemogenesis, 21:16463
IRISAWA, J. Observation of enhanced plasma waves by laser scattering, 25:52878
  Penetration of high-speed plasma into a cusped field, 23:8576
IRISAWA, Juichi High-β reflected wave in a cusped magnetic field, 22:48123
  Impulsive plasma produced by a coaxial plasma gun, 23:7023
IRISBAEV, K. N. Calculations of double-focusing particles by quadrupole lens doublet in Y-152-2 cyclotron, 23:39872
  Characteristics of ion beam of U-150-2 cyclotron, 24:26548
  Introduction of controlled energy-mode in U-150-2 cyclotron of Inst. of Nuclear Physics of UzbSSR Academy of Sciences, 25:20216
  Transverse expansion of ion beam dimensions during passage through a pair of quadrupole lenses of the ML-5 type, 24:18324
IRISH, D. E. Equilibria and proton transfer in the bisulfate—sulfate system, 25:2173
  Raman spectral study of bisulfate—sulfate systems. II. Constitution, equilibria, and ultrafast proton transfer in sulfuric acid, 25:54564
IRISH, J. D. Facility for the study of photoproton angular distributions and correlated photoneutron—photoproton pairs, 25:48985
IRISH, R. T. Cylindrical capacitor and its application to measurements on cylindrical gas discharges, 23:14759
IRIZARRY, H. Effect of gamma radiation dosages on rooting of pineapple crown sections, shoot emergence, and growth, 25:4719
IRIZARRY, S. Effects of unilateral renal irradiation on Hippuran—^{131}I renogram in rabbits, 22:15076
IRKAEV, S. M. Determination of magnetic moment stimulated by ^{121}Sb state, 25:5720
  Magnetic properties of USb$_2$—ThSb$_2$ solid solutions, 23:42500
  Nuclear gamma resonance, 25:36343
IRKHIN, Yu. P. Exchange interactions in rare earth metals and alloys, 21:20736
  Hall effects in rare-earth metals, 23:8675
  Importance of measuring the magnetic anisotropy in thulium, 24:47326
  Spin Hamiltonian for exchange interaction in the rare earth metals, 21:9311
IRKOV, V. I. Determination of diffusion coefficients in liquid metals by isotope exchange through the gas phase, 25:54556
IRLIN, I. S. Effect of irradiation and neonatal thymectomy on growth of polyoma tumors in rabbits, 23:22414
IRMER, J. Composition of nitrogen plasma from 1000 to 12,000 deg K at 1 to 50 atm, 21:31400
  Composition of thermal mercury plasma in temperature region between 1,000 and 15,000°K at pressures between 10 Torr and 50 atm, 23:6979
IRMER, K. Design of radiation relays used for three-position controllers in non-compensated control loops with dead time, 21:3330
  Optimal integration time constants in transmission technique of materials testing, 22:10526
IRMER, W. Welding of CoCrW alloy, 23:43959
IRMLER, R. Spectrometric analysis of ^{15}N in presence of borate, 25:48440
IRMSCHER, J. Anaplastic carcinoma of the kidney in renal thorotrastosis, 23:24755
IRNGARTINGER, Hermann Proton resonance investigations in aromatic heterocycles. III, 21:3030
IRODOV, I. E. Calculations of magnetic pole profiles, 21:28313 (AD-645794, pp 59-63)
IRONS, F. E. Experimental and theoretical studies of a high-beta toroidal pinch, 25:38457 (CONF-710607-16)
IRONS, H. R. Fast response magnetometer using ferromagnetic resonance in thin films, 22:12698
IRONS, H. W. Compatibility of nimonic alloys with mixed (U,Pu) carbides, 23:38924 (TRG-Report-1835)
  High temperature reactions between Ta and oxides of U and Pu, 23:12435
IRONSIDE, Alexander Mepher Nuclear reactor fuel elements, 22:10460
IROSHNIKOV, G. S. Coherent dissociation $\pi \rightarrow 2\pi$ in nuclear field and the possibility of observing the $\gamma\pi \rightarrow 2\pi$ reaction, 22:32084
  Electromagnetic form factor for the pion in the dual resonant model, 25:43593
  Gamma$\pi \rightarrow \pi\pi$ in the veneziano model and reactions $\pi \rightarrow 2\pi$ in the coulomb field of nuclei, 23:51892
  Possibility to observe rho" daughter resonance in $\pi \rightarrow 2\pi$ reaction in nuclear field, 25:9786
  Production of pseudoscalar mesons in coulomb field of nucleus and possibility of observing photoproduction of mesons from mesons, 22:41823
IROSHNIKOV, R. S. Nature of the Sun's differential rotation, 23:41844
  Quasi-axisymmetric models of a magnetic dynamo and the nature of solar-activity cycles. i, 25:19422
  Quasiaxisymmetric models for a magnetic dynamo and the nature of the solar activity cycles. II, 25:40274
IROSHNIKOVA, E. S. Pain threshold of oral mucosa after x-ray therapy, 24:19368
IRSA, A. P. Mass spectrograph ion source, 21:39316
  Variations in the isotopic composition of carbon in urban atmospheric carbon dioxide, 22:185
IRSHAD, M. Deuteron stripping reactions on ^{207}Pb and ^{208}Pb, 24:52581
  Elastic scattering of 12 MeV deuterons, 24:38188
  Interaction between closely-spaced indium foils in light water, 23:670
  Polarization effects in the ^{207}Pb(d,p)^{208}Pb reaction, 24:43432
  Polarization effects in the ^{88}Sr(d,p)^{89}Sr reaction, 24:43279
  Polarization in the elastic scattering of 12.3 MeV deuterons, 24:43248
  Reaction ^{13}C(d,t)^{12}C, 24:43159
  Stripping reactions and elastic scattering of 12 MeV vector polarized deuterons on ^{9}Be and ^{12}C, 25:38890
  Vector analysing power of the pick-up reaction ^{13}C(d,t)^{12}C, 25:17724
  Vector analyzing power of (d,p) reaction on ^{28}Si, ^{52}Cr, and ^{88}Sr at 12 MeV, 25:34058
IRVIN, J. E. Effect of fast-reactor irradiation on the tensile properties of Type-304 stainless steel, 22:4833
  Effects of irradiation on the creep and tensile properties of annealed AISI 304 stainless steel, 21:6849
  Evaluation of Inconel 718 for application in the Fast Test Reactor, 23:33948 (BNWL-930)
  Nature of radiation damage to engineering properties of various stainless steel alloys, 22:19601
  Postirradiation tensile properties of annealed and cold-worked AISI-304 stainless steel, 22:4834
  Radiation-enhanced oxidation of Zy—2, 21:39656 (BNWL-463)
IRVINE, A. R. Application of aqueous reprocessing to LMFBR fuel, 23:38060
  Design and performance of continuous process equipment for preparation of urania sol, 21:36908
  Development of LMFBR fuel shipping casks, 25:51840
  Engineering evaluation of LMFBR fuel shipment, 25:54972 (ORNL-TM-2723)
  LMFBR fuel shipping cask concept and observations pertaining to hazard survival potential, 25:48871 (CONF-710801-(Vol.2), pp 1007-14)
  Prog. rpt. on aqueous processing of LMFBR fuels, 3/69, 23:21781 (ORNL-TM-2552)
  Shipping of future LMFBR fuels, 25:39691
  Shipping-cask design for FBR, 24:472
  Study of the reprocessing of spent Fast Test Reactor fuel in the Nuclear Fuel Services Plant, 25:46541 (ORNL-TM-2906)
  Thorium—uranium recycle facility, 23:16069 (ORNL-4275, pp 4-14)
IRVINE, Georgia Convulsive responses in prenatally irradiated rats, 21:8955
IRVINE, J. M. Brueckner—Hartree—Fock studies in light nuclei, 24:43111
  Configuration mixing and mysterious second zero states, 25:53816
  Nuclear structure theory, 24:35916
  Self-consistent structure of light nuclei, 21:30044
  Self-consistent structure of light nuclei. II, 23:4076
  Shell-model data from a realistic N—N interaction. III, 25:59723
  Shell-model data from realistic N—N interaction, 25:12686
  Theory of nuclear energy levels, 22:50663
IRVINE, R. M. Remote reencapsulation of irradiated mixed-oxide fuel pins in NaK, 24:5857
IRVINE, Thomas F. Jr. Advances in heat transfer. IV, 22:237
IRVINE, W. H. An engineering approach to fracture mechanics, 24:17290
  Periodic inspection of primary circuit pressure components of nuclear reactors, 22:30803
IRVINE, W. J. Application of /sup 99m/Tc in assessment of gastric function, 22:36306
  Use of /sup 99m/Tc for thyroid function testing, 22:25935
  Vitamin B$_{12}$ absorption correlated with gastric secretion, 25:6733
IRVINE, W. T. Colonic irradiation in hyperchloraemic acidosis following urinary diversion in dogs, 21:14676
IRVINE, William M. Formation of irregularities in Friedman universe, 21:31156
  Multiple scattering in a plane-parallel atmosphere. II, 24:37174
IRVING, A. C. Hypercharge exchange line-reversed reactions and asymptotic models, 25:50143
IRVING, D. C. ACTIVT: 05R Monte Carlo analysis routine for calculation of activation, 21:7636 (ORNL-TM-1674)
  Adjoint Boltzmann equation and its simulation by Monte Carlo, 24:28674 (ORNL-TM-2879)

- Adjoint Boltzmann equation and its simulation by Monte Carlo, 25:48003
- Adjoint Monte Carlo calculations for enriched-U-metal assemblies, 21:8106
- Amplification of selected portions of 05R Monte Carlo code user's manual, 23:43192 (ORNL-TM-2601)
- Energy deposited by nucleons in spherical phantom, 24:24106
- Evaluation of cross sections of iron, 24:52476 (ORNL-TM-2891)
- Evaluation of the total cross section of iron, 24:6863
- LEGCK, a subroutine to analyze Legendre coefficients for negativity in the angular distribution, 25:5476 (ORNL-TM-2903)
- Modification and further development of Nucleon Transport Code, 23:25941 (ORNL-TM-1866)
- MORSE code: a multigroup neutron and gamma-ray Monte Carlo transport code, 24:49228 (ORNL-4585)
- Neutron cross sections for ^{10}B, 22:3607 (ORNL-TM-1872)
- PICTURE: aid in debugging GEOM input data, 24:29131 (ORNL-TM-2892)
- PLOTTER: general-purpose plotting routine, 24:29130 (ORNL-TM-2873)
- Prompt neutron decay constants calculated in highly enriched uranium metal assemblies, 21:31939 (K-DP-2251)
- Prompt-neutron decay constants calculated in highly enriched uranium metal assemblies, 21:38188
- Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 Mev, 21:6513
- Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 MeV, 21:20215
- Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 MeV, 21:32631 (ANS-SD-4, pp 47-8)
- Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 MeV, 21:39402 (ORNL-4032)
- UKE: computer program for translating neutron cross section data, 24:24497 (ORNL-TM-2880)
- Validity of straightahead approximation in space-vehicle shielding studies. II, 22:22198

- IRVING, H. M. N. H. Formation of Eu(III)—salicylate complexes and their extraction, 24:16671
  - Synergic extraction of Eu(III)-bis-phenanthroline-tris-salicylate complex, 25:233
  - Synergic extraction of ternary complexes of Eu(III), 24:41402
  - Synergism in the solvent extraction of metal chelates, 22:6393
- IRVING, J. Calculation of PCPV prestressing forces, 23:21571
  - Correlation of measured and calculated strains in top-half of Oldbury prestressed concrete pressure vessel R1, 1965—1970, 25:28528 (RD/B/N-1784)
  - Creep behavior of prestressed concrete slabs with reinforced holes, 25:30024 (EUR-4531, pp 373-84)
  - Electron-density profiles of a theta-pinched plasma by holographic interferometry, 24:47204
  - Operational stresses in nuclear prestressed concrete pressure vessels. I, 22:40335
  - Strains in Oldbury concrete pressure vessels, 23:17658
- IRVING, R. J. Oxidation of TiB_2 and ZrB_2 at high temperatures, 22:49781
- IRVING, R. R. Nuclear quality: wave of the future, 23:26435
- IRVING, Stephen M. Crystal damage in ion-implanted silicon, 24:19946
- IRWIN, A. F. Final report on ARTRIX, 22:6199 (COO-1469-0067)
- IRWIN, C. K. Conversion of a therapy x-ray unit for insect irradiations, 23:35558
- IRWIN, Carl W. Radiation control design for a converted 400 kVp x-ray therapy machine, 24:25171
- IRWIN, D. S. Corrosion of boron—stainless steel by nitric acid, 21:26754 (RFP-781)
  - Neutron poisoned ion exchange equipment, 21:5998 (RFP-782)
- IRWIN, David Joseph Garnet Spectrum of Nd IV, 24:17651
- IRWIN, Elizabeth Hydrogen rearrangements in the mass spectra of alkylbenzenes, 25:29068
- IRWIN, G. A. L. Use of oral Ba in bone scanning, 22:40744
- IRWIN, G. R. Basic aspects of crack growth and fracture, 22:39892 (AD-663882)
- IRWIN, Gerald A. L. Supervoltage roentgenography with linear accelerator, 21:22506
- IRWIN, Gerald J. Metallographic techniques applied to molybdenum single crystals. IV, 22:45776
  - Metallographic techniques applied to molybdenum single crystals. III, 23:6674
- IRWIN, John Charles Nathaniel Relative population densities and transition probabilities in a neon glow discharge, 21:7036
- IRWIN, John Foster Effects of x-irradiation upon metabolism of fibrinogen, 25:46733
  - Effects of x-irradiation upon the metabolism of fibrinogen and other plasma proteins in rats, 24:4562 (UR-49-1185)
- IRWIN, John L. Holographic inspection of the deformation patterns of carbon—carbon cylinders under load, 24:29141 (SC-DR-69-281)
- IRWIN-WILLIAMS, Cynthia Dilemma posed by U-series dates, 23:49939
- ISAAC, Peter Nuclear reactor installation, 25:44213
  - Nuclear reactor installation, 25:44212
  - Nuclear reactor installation, 25:44216
  - Nuclear reactor installation, 25:54294
- ISAAC, R. Scintigraphic detection of malignant tumors with $^{197}HgCl_2$, 23:2862
- ISAAC, R. J. Stability of a self-gravitating plasma layer including Hall effect, 25:22323
  - Stability of cold plasma traversed by two electron beams, 23:12852
- ISAAC, R. Jayakaran Effect of Kelvin—Helmholtz instability and gravitational instability on self-gravitating fluid layer, 23:6910
- ISAAC-GEORGES, Jacques Industrialization of nuclear energy in the European Community, 21:15690
- ISAACKS, R. E. Nutritional evaluation of milk processed for removal of radionuclides. Feeding studies, 21:34663
  - Nutritional evaluation of milk processed for removal of radionuclides. Chemical analysis, 21:34664
- ISAACS, E. Whole body ^{137}Cs and its relation to body composition and diet, 23:31728
- ISAACS, G. G. Arc initiation at metal surfaces in H Penning discharge, 21:9604
- ISAACS, H. S. Corrosion and mass transfer of pure Fe, Ni, Cr, and Co in 660° to 760°C Na, 24:9994 (BNL-14230)
  - Corrosion and mass transfer of pure iron, nickel, chromium, and cobalt in 660° to 760°C sodium, 25:2631
  - Determination of oxygen concentration and mass-transfer coefficients in sodium using uranium, 23:45180 (ANL-7520(Pt.1), pp 465-70)
  - Determination of oxygen concentration and mass transfer coefficients in sodium using uranium, 25:2694
  - Ionic range of ThO_2—15 wt. percent Y_2O_3 at high oxygen activities, 25:26262
  - Measurements of the solubility of iron and chromium in sodium, 24:9993 (BNL-14225)
  - Measurements of the solubility of iron and chromium in sodium, 25:2712
  - Oxygen concentration and mass transfer coefficients in sodium using uranium, 23:6053 (BNL-13078)
  - Segregation of impurities and the formation of particles in sodium systems, 25:2713
  - Study of reactions between oxygen and impurities in sodium, 23:9345 (BNL-13114)
  - Technique for chemically polishing sodium, 24:14683
- ISAACS, J. W. Experiments on preparation and fabrication of UC and (UPu)C, 21:32958
- ISAACS, John D. Deep circulation and deep fish populations in Pacific Ocean, 24:31518 (UCSD-34-P-127-7)
  - Near-bottom animal population and related deep circulation in the ocean, 25:51354 (UCSD-34-P-127-12)
  - Prog. rpt. on deep circulation and deep fish populations in the Pacific Ocean, annual, 5/66—5/67, 21:30554 (UCSD-34-P-127)
- ISAACS, L. L. Anisotropy of the upper critical field of superconducting technetium, 25:47469
  - Magnetic and nuclear-resonance properties of single-crystal scandium, 23:44569
  - Magnetic properties of dilute alloys of scandium, 25:27878
  - Magnetic susceptibilities of hexagonal Tc—Ru, Tc—Rh, and Ru—Rh alloys, 25:19874
  - Magnetization and NMR study of Sc—Gd alloys, 23:8689
- ISAACS, N. W. Structural changes of barium methacrylate dihydrate under x-radiation, 22:12371
- ISAACS, S. R. Determination of ^{65}Zn in Lucas Heights effluent, 25:31829 (AAEC/TM-569)
  - Grind-leach process for H.T.G.C.R. fuel cycle. II, 21:8324 (AAEC/E-154)
- ISAACSON, Allen Quinine and caffeine effects on ^{45}Ca movements in frog muscle, 22:14970
- ISAACSON, M. Secondary electron detection in a field emission scanning microscope, 24:11789
  - Simple scanning electron microscope, 23:2691 (COO-1721-6)
  - Simple scanning electron microscope, 23:14099
- ISAACSON, R. A. Preparation of homogeneous n-type InSb by thermal-neutron irradiation, 21:27247
  - Temperature dependence of hyperfine coupling of $(^{155}Gd)^{3+}$ in ThO_2, 22:52530
- ISAACSON, R. E. Hanford exploratory deep well, 23:40855 (ARH-SA-47)
- ISAACSON, Richard Shear-free gravitational radiation, 24:8731
- ISAACSON, Richard A. Gravitational radiation in limit of high frequency. II, 22:20333
  - Gravitational radiation in limit of high frequency. I, 22:20334
  - Harmonic and null descriptions of gravitational radiation, 22:26713
  - Harmonic and null descriptions of gravitational radiation, 22:35108 (AD-666049)
- ISAACSON, Richard Allen Gravitational radiation in the limit of high frequency, 22:26720
- ISAAK, G. R. Chemically bound neutrons in LiF at 4°K, 24:21860
  - Isotope effects in Moessbauer spectroscopy. II, 24:35583
  - Moessbauer effect: application to relativity, 24:35579
- ISAAK, S. Reduction of unknowns in Einstein—Maxwell field equations, 23:37007
  - Reduction of unknowns in Einstein—Maxwell field equations, 23:37005
  - Special solution of the field equations in the case of the characteristic [(211)], 25:36555
- ISAAKYAN, A. R. Excitation state density in thin superconducting films located in a magnetic field, 25:17107
- ISABAEV, A. A. Pulsed method for determining electron migration in argon, 23:45515
- ISABAEV, E. A. Determination of the uranium and thorium content in rock and ore samples on the basis of fission fragments, 22:18915
  - Isotopic composition of U and Ac content in minerals, 23:29001
  - Isotopic composition of uranium and actinium in minerals and natural waters, 23:93
  - Multisection fission chamber, 22:38006
- ISABAEVA, M. K. Sensitivity of E. coli strains of group B with different ability to repair radiation damage to radiomimetics and chemical mutagens, 22:36413
  - Sensitivity to radiomimetics and chemical mutagens of group K12 E. coli strains with different ability to repair radiation damage, 22:36414
- ISABELLA, L. Electronic instruments for radiation detectors and control systems, 21:1671 (EUR-3063.e)
  - Low-noise pulse amplifier for Ge(Li) detectors, 22:14747 (EUR-3659)
  - Versatile all-Ge(Li) anti-Compton spectrometer, 25:48981
- ISABELLE, D. Calculation of the Coulomb correction in the phenomenon of pair production by γ rays of energy between 2 and 20 MeV, 22:48601
  - Conference on nuclear track registration in insulating solids and applications, Clermont-Ferrand, France, 5/69. I, 25:44603
  - Conference on nuclear track registration in insulating solids and applications, Clermont-Ferrand, France, 5/69. II, 25:44637
  - Experimental study of the importance of the Coulomb correction in the phenomenon of pair production by photons at 2 to 20 MeV, 22:48598
- ISABELLE, D. B. Activation experiments with pions, 23:9041 (TID-24667, pp 637-9)
  - Background problems in the 180° set-up, 23:8879 (TID-24667, pp 210-11)
  - Backward electron deuteron scattering below 280 MeV, 25:43528 (LAL-1250)
  - Beam monitoring at Orsay, 22:46672
  - Detection of hyperfixing zones by means of a positron camera type positron. III, 25:42565
  - Electron scattering on nuclei, 25:38888 (LNF-70/57)
  - Electron scattering: elastic and inelastic, 22:18312
  - Equipment for measurement of electron scattering at 180°, 22:16945
  - Experimentalist comments on electron scattering, 24:52677
  - High-energy photodisintegration in C, O, and Ca, 21:27537
  - Inelastic electron scattering at 180° on ^{12}C, 22:18143
  - Quasi-elastic scattering of high energy electrons on ^{12}C, 25:17742
  - Quasi-elastic scattering of high-energy electrons by carbon, 24:43134
  - Studies for high-power Faraday cup, 22:46680
  - Study of apparatus for measurement of electron scattering at 180°, 22:6642 (LAL-1182)
  - Trends in electron scattering, 23:9007 (TID-24667, pp 93-112)
- ISABELLE, Didier B. Solid track detectors and their applications to biology, 25:10823
- ISACESCU, D. A. Studies in the field of polyethylene. IV, 24:36324
- ISACOFF, Eric G. Ion exchange resins for uranium hydrometallurgy, 23:35281
- ISACSSON, Ulf Ion-pair reactivity in isotopic exchange reactions. II, 24:27047
- ISAENKO, E. I. Activity of alkaline phosphatase of neutrophils in telegammatherapy of cancer of the uterine cervix, 24:23125
- ISAENKO, L. F. Penetration of neutral atoms into a cylindrical plasma pinch, 25:7389
- ISAENKO, V. I. Different doses of uv-irradiation on some blood indices, 23:26689
  - Effects of x rays on the protein and mineral composition of blood serum in dogs, 25:46731
  - Neodymium glass laser with high radiation intensity for producing a high-temperature plasma, 25:11906
  - Production of a high-temperature dense plasma by gas breakdown with the aid of a laser, 22:41555
  - X radiation effects on animals, 25:13574
- ISAEV, A. Possible properties of weak six-fermion interaction, 25:5344
- ISAEV, B. M. Calorimeter for measuring γ-radiation absorption dose, 21:39275
  - Determination of mean energy of ion formation in ethylene and acetylene irradiated by ^{137}Cs gamma radiation, 22:6331
  - Distribution of the absorbed dose of fast neutrons in a heterogeneous phantom, 21:4804
  - Energy of ion formation by charged particles in gases, 21:41815
  - Limitation of the applicability of ionization methods for dosimetry of fast neutrons, 21:30733
  - Neutrons in radiobiological experiments, 21:38869
  - Neutrons in radiobiological experiments, 24:31975 (AD-691153)
  - Units "ber" and "equivalent rad", 22:47537
- ISAEV, F. M. Balance of negative ions in plasma source of great intensity, 24:35442
- ISAEV, I. F. Diagnostics of dense plasma with the resonant scattering of gamma rays, 23:51609
- ISAEV, L. L. Experimental preparation of information for the decentralized input into the international nuclear information system, 24:38650 (CONF-700206-6)
- ISAEV, M. S. Chemical agents for protecting skin during radium therapy, 22:28549
  - Results of radiation and combined treatment of pulmonary cancer, 23:50752
- ISAEV, N. V. Method of subgroups for accounting of resonance structure of cross-sections in neutron calculations. I, 24:46112
- ISAEV, P. S. Bootstrap method, 22:9582
  - Bootstrap method, 24:5287
  - Dispersion relations and the form factors of elementary particles, 23:15031
  - Kπ interaction at low energies, 23:46698 (JINR-P2-4375)
  - Method of construction of the elastic scattering approximate amplitude, 22:48301 (JINR-E2-3989)
  - Relation between cross sections of processes $e^- + e^+ \rightarrow e^- + e^+ + A^- + A^+$ and $\gamma + \gamma \rightarrow A^- + A^+$, 25:19938 (JINR-P2-5505)
  - Resonance states of the πK system and low-energy πK scattering, 25:7648
- ISAEV, R. N. Effect of previous irradiation on the thermal decomposition of ammonium perchlorate, 24:13907

ISAEV, S. I. Auroral studies at conjugate points, 25:9284 (JPRS-52023)
  High latitude studies in geomagnetism and aeronomy, 21:25057
  Phenomenology and morphology of aurorae, 23:46401
ISAEVA, G. G. Isotope exchange in nitrophenylcyclopropane, 25:23573
ISAEVA, L. K. Complex compounds of Ti(IV), Sn(IV), and Th in aromatic and heterocyclic azomethines, 22:8076
ISAEVA, O. G. Spectrographic analysis of binary alloys. I, 24:26983
ISAEVA, R. N. Separation of the fast and slow components in scintillation counters using composite phosphors, 22:45291
ISAGAWA, Kakuzo Syntheses of isocinchomeronic acid monoesters, 25:51352 (UCRL-Trans-1452)
ISAGULYANTS, G. V. Dehydrogenation and deuteroexchange of cyclohexane on chromic oxide, 25:39514
ISAIA, Annick Magnetic equivalence in analysis of high-resolution NMR spectra, 24:18041
ISAICHEV, V. I. Structure of anomalously coarse grains in secondary recrystallization of tungsten foils, 25:58279
ISAILA, M. Heavy ion source with pulsed magnetic field, 25:50284
  Heavy ions and higher proton currents for the PPA, 24:30658
  Improvement in the rf capture by using nonsinusoidal accelerating voltages, 23:28057
  Production and acceleration of deuterium and helium ions, 23:27964
  Small source for multiply charged heavy ions, 25:20188
ISAILA, M. V. Accelerator beam degeneration from amplified shot noise, 21:13764 (PPAD-609-D)
ISAKAEV, E. Kh. Discharge ignition in Penning cell with different gases, 23:48896
ISAKOV, A. I. Absorption of gamma quanta by Mn nuclei, 24:18379
  Absorption of γ quanta by Fe nuclei near the giant resonance, 23:37150
  Concerning a gas of ultracold neutrons in a trap, 24:18352
  Gamma-ray absorption cross section for sulphur nuclei in giant dipole resonance region, 23:13237
  Photoabsorption cross section by ^{9}Be nuclei in the region of giant dipole resonance, 23:39949
  Search for elementary particles bearing a magnetic charge, 25:36379 (CERN-Trans-71-10)
ISAKOV, B. Electric quadrupole transitions between rotational single-particle states in deformed odd nuclei, 22:39706
  Electric quadrupole transitions in deformed odd nuclei, 23:44982
  Excited states of deformed odd—odd atomic nuclei, 21:31796
  Excited states of deformed odd-parity nuclei with small nonaxiality, 25:39101
  Excited states of slightly deformed odd nuclei, 22:16041
  Half-life times of ^{75}As excited levels, 23:46968
  Theory of excited states of deformed odd nuclei, 24:8865
ISAKOV, B. I. Probabilities of electric quadrupole transitions in odd deformed nuclei, 24:16003
ISAKOV, I. M. Characteristics of a toroidal discharge at low plasma density, 21:18648
ISAKOV, I. V. Improving the quality of martensitic steel by treating it with rare earth metal alloys, 21:11234
ISAKOV, Lev Mikhailovich Method and apparatus for determining the content of chemical elements or compounds in specimens, 22:6287
ISAKOV, Lev Mikhailovish Determining the content of chemical elements or isotopes thereof in a specimen by utilizing the effect of recoilless resonance absorption or scattering of gamma rays, 25:57354
ISAKOV, V. I. Centrifugal terms in residual interaction of particles in nucleus, 25:15168
  E2 transitions between 0^+, 2^+, and 2_1^+ states in even—even nuclei, 24:1893
  Interaction of one-particle and collective excitations in odd nuclei near Pb, 25:36753
  L-forbidden magnetic dipole transitions and magnetic moments of odd spherical nuclei, 23:10989
  Probabilities of l-forbidden M1 transitions and magnetic moments of odd spherical nuclei, 22:39708
ISAKOV, V. V. Investigation of a particle beam with energy up to 70 GeV with a spark spectrometer, 25:10868 (IFVE-SEF/OP-70-13)
ISAKOV, Yu. A. Natural fractionation of lithium isotopes, 23:40564
ISAKOVA, L. Ya. Effective boundary conditions at the surface of a black absorbing rod, 23:13187
ISAKSON, J. S. Effect of Milrow nuclear test on marine organisms, 25:49142
  Fish communities and food chains in the Amchitka area, 25:49141
ISAKSON, John S. Prog. rpt. on radiometric and elemental analyses on marine organisms from Amchitka, Alaska, annual, 7/1/67—6/1/68, 25:16073 (BMI-171-113)
  Total phosphorus and ^{32}P in seawater, invertebrates, and algae from North Head, 9/65—9/66, 24:690 (RLO-2047-5, App. A)
ISAKSON, Robert A. Computer application of cyclic reactivity carryover effects in fuel management, 24:33193
ISAKSSON, S.-E. Hot isostatic pressing, 25:58197
ISAMUKHAMEDOVA, D. K. Effect of γ radiation on the volt—ampere characteristics of diodes, 25:3192
ISAO, A. Formation of superconducting Nb_3Al and Nb_3Al—Ge films, 25:38313
ISAO, Kuniyoshi Measurement and classification of the renoscintigram using ^{203}Hg-neohydrin, 23:14237
ISAVTSEVA, L. N. Diffusion of antimony in silicon that was subjected to ion bombardment, 24:35535
ISAWA, Masahiro Deposition of radioactive fallout of 4th communist Chinese nuclear test, 23:2422 (NSJ-tr-132)
ISAWA, T. Radioaerosol inhalation scanning, 25:4678
  Scintiscanning and roentgenographic procedures in managing major pulmonary disorders, 23:2856 (UCLA-12-687)
ISAWA, Toyoharu Comparison of radioaerosol versus radioxenon inhalation procedures in obstructive lung disease and pulmonary embolism, 25:58040 (UCLA-12-834)
  Radioaerosol inhalation lung scanning: its role in suspected pulmonary embolism, 25:49242
  Unilateral pulmonary artery agenesis, stenosis and hypoplasia, 24:39529 (UCLA-12-777)
ISBASESCU, A. Absolute measurement of ^{239}Pu fission cross-section for 2200 m/sec neutrons, 25:59777 (IFA-NR-33)
ISBASESCU, Alina R-matrix calculation of ^{239}Pu fission cross section, 24:18414
ISBASESCU, M. Magnetic contractor mechanism in betatrons and synchrotrons, 23:30882
ISBASESCU, Mihai Calculating thermal neutron distribution in reactor cell, 24:47939
  Intensive temperature coefficients of reactivity caused by thermal neutrons, 23:49659
ISBASESCU, Mircea Experimental comparison among different types of bremsstrahlung targets for electrons accelerated in the betatron, 23:15312
ISBELL, Kathryn H. Contact photodermatitis due to bithionol and related compounds, 22:8612
ISBERG, P. Safety features in ASEA—ATOM nuclear power plant designs, 24:24866
ISBERG, Pelle Containment and safety in Swedish nuclear power plants, 25:53977 (A/CONF.49/P-305)
ISBERG, Per Gustaf Nuclear plant, 25:54045
ISBIN, H. S. Analytical method for determining rate constants using a periodical irradiation technique, 24:25069
  Prolate ellipsoidal nuclear reactor with a finite reflector, 21:25666
  Sodium bubble collapse and pressure generation, 24:7105
  The rate of bubble growth in superheated liquid sodium, 23:3151
ISCH, H. W. Pulsed dc power supply 16 kA, 60 V Schneider—Westinghouse, 21:5429 (CERN-66-31)
ISCHENKO, G. Bunched nsec beam pulses of heavy ions up to mass 32 with a HVEC tandem accelerator, 22:7593
  Elastic scattering of ^{16}O on ^{9}Be, ^{10}B, and ^{12}C, 23:10950
  Internal magnetic field at Os after Coulomb recoil implantation, 23:30631
  Modified McIntyre model analysis of heavy ion elastic scattering at medium energies, 24:49732
  Modified-McIntyre-model analysis of heavy-ion elastic scattering at medium energies, 23:39953
  Moessbauer experiments with Coulomb-excited ^{73}Ge after Coulomb recoil implantation, 22:34796
  Nanosecond-pulsing system for heavy ions with HVEC tandem accelerator, 23:30886
  Transfer reaction by the bombardment of ^{10}B with ^{16}O and ^{14}N, 23:13213
ISCHENKO, Gg. Search for structure in excitation functions of reactions $^{12}C + ^{12}C$ and $^{14}N + ^{10}B$, 24:49733
ISE, Norio Ionic polymerization under electric fields. II, 21:8342
ISE, Takeji Calculation code for thermal neutron multi-group reactor constants: THERMOS-MUG, 25:60225 (JAERI-Memo-4394)
ISE, Yukimasa RI laboratory, 23:16022
ISEBECK, K. Reaction kinetics of stage III recovery in Al after neutron irradiation, 21:2297
  Recovery of electric resistivity of pure metals after neutron irradiation with low doses at 4.6°K in a reactor, 21:24807
ISEDA, Kozo Structure and reactivity of organic ions in gas-phase radiolysis. II. The reactions of an isopropyl ion with benzene and toluene, 25:39539
ISEKI, Takayoshi Solid-state reactions between SrO or BaO and single-crystal Al_2O_3, 24:42266
ISEKI, Tetsuya Cytogenetic investigation of survivors of the atomic bombings of Hiroshima and Nagasaki, 21:8764
  Cytogenetics studies in atomic bomb survivors, 22:28558
  Leukocyte chromosome studies of adult and in-utero survivors, 22:28575
ISELER, G. W. Interactions between lattice defects in electron irradiated copper, 22:17822
  Low temperature recovery studies in electron irradiated aluminum, 22:17823
  MIS electroluminescent diodes in ZnTe, 24:35543
ISELER, Gerald William Emil Production and recovery of point defects introduced into Cu and Al with electron irradiation at 6°K, 21:33547
ISELIN, C. Analytical methods for winding configurations of ironless beam transport magnets and lenses, 22:11773
ISENBERG, J. Interaction between soil and nuclear reactor foundations during earthquakes, 25:10245 (ORO-3822-5)
  Spherical waves in inelastic materials, 24:33807 (AD-703295)
ISENHOUR, T. L. Analog computer controlled gamma spectrometer, 24:62
  Analog computer controlled gamma-ray spectrometer for comparative activation analysis, 24:46505
  Analytical function for describing gamma-ray pulse-height distributions in NaI(Tl) scintillators, 22:38073
  Determination of Sm and Gd in rare earth ores, 23:35026
  Lifetimes associated with low-energy gamma transitions in ^{128}I and ^{134}Cs, 24:8905
  Neutron capture gamma-ray activation analysis, 23:66
  Neutron-capture gamma-ray activation analysis, 22:12262
  Semiquantitative analysis of mixed gamma-ray spectra by computerized learning machines, 24:29227
  Statistics applied to minimizing activation analysis counting errors, 21:45046
  Ultra-trace mass spectrometric metal analysis, 23:34975
  X-ray emission analysis of high atomic number elements, 23:11417
ISENOR, N. R. Energies and quantities of ions in laser-produced metal plasmas, 22:36904
ISHAM, C. Applications of embedding of nonlinear meson transformations in Euclidean space, 24:49468
ISHAM, C. J. Broken chiral and conformal symmetry in effective-Lagrangian formalism, 24:45557
  Chiral metric meson Lagrangians, 24:18161
  Chiral metric meson Lagrangians, 24:49471
  Embedding of non-linear meson transformations, 24:18165
  Embedding of nonlinear meson transformations in a Euclidean space, 23:34586
  f-dominance of gravity, 25:20053
  Gauge-invariant infinity suppression in gravity-modified quantum electrodynamics, 25:33803 (IC-71/13)
  Gauge-invariant infinity suppression in gravity-modified quantum electrodynamics, 25:45805
  Group-theoretic approach to chiral transformations, 23:15190
  Infinity suppression in gravity-modified quantum electrodynamics, 25:30994
  Meson-Meson scattering lengths from chiral $SU_3 \times SU_3$, 23:21095
  Metric structures and chiral symmetries, 23:27845
  Nonlinear realizations of space—time symmetries. Scalar and tensor gravity, 25:17582
  Schwinger terms and symmetry breaking, 24:49555
  Spontaneous breakdown of conformal symmetry, 24:21997
ISHANOV, M. M. Radiation grafting of cellulose with acrolein in vapor phase and properties of derivative products, 24:16598
  Radiation-induced crosslinking of cellulose with acrolein, 25:51501
ISHAQ, A. F. M. Efficiency calibration of a Ge(Li) detector, 23:33396
  Low-lying energy levels in ^{72}Ge, 23:15386 (PINSTECH/PHY-14)
ISHAQ, Abul Faiz Mohammed Ge(Li) detector used in a pair spectrometer configuration, 23:11819 (PINSTECH/PHY-13)
ISHCHENKO, E. D. Isotopic effect in light scattering by concentration fluctuations, 22:16506
ISHCHENKO, S. S. Electron-nuclear double resonance of F centers in KCl, 21:3929
  Second-order effects in the ENDOR spectrum, 23:8693
ISHCHUK, V. A. Mechanism of electron-stimulated desorption of oxygen from the surface of tungsten, 22:34773
  Mechanism of the sorption of O on the (100) face of a W single crystal, 21:16565
  Sorption of O on W single crystal, 21:37557
ISHIBASHI, E. Saturated boiling heat transfer in narrow spaces, 24:19153
ISHIBASHI, Eiichi Development of long-duration MHD generator, 25:24940
  Electrode materials for MHD power generators, 24:27773
ISHIBASHI, M. Coprecipitation of U(VI) with Fe(III)-hydroxide, 22:25244 (KFK-tr-247)
  Decay of /sup 77m/Ge, 23:39987
ISHIBASHI, Masayoshi Contents of Sr and ^{90}Sr in shallow-water deposits, 24:11697
  Coprecipitation of U(VI) with Fe(III) hydroxide precipitate, 21:12357
ISHIBASHI, Mitsuo Response of $CaSO_4$(Mn) and Li_2SO_4 to thermal neutron and γ-ray fields, 25:51906
ISHIBASHI, N. Increase in male adults by gamma-ray irradiation in the root-knot nematode, Meloidogyne incognita Chitwood, 21:24622
ISHIBASHI, Nobuhiko Spectrophotometric determination of molybdenum(VI) by extraction of molybdenum(VI)-Alizarin Red S complex with quaternary ammonium chloride, 22:18717
  Spectrophotometric determination of Zr(IV), 23:9317
  Spectrophotometric determination of Mo(VI), 24:16435
ISHIBASHI, Nobuyoshi Hatching of M. incognita chitwood, 21:22666
ISHIBASHI, Tatsuto Occupational chronic radiation injury, 25:24443
  Tumor-specific localizing agent for radioisotope image, 24:5988
ISHIDA, Akira Stereoregularity and reaction of polyacrylates and polyacrylonitriles, 22:4190
  Stereoregularity of poly(methacrylic acid esters), 22:4191
ISHIDA, F. Critical current of superconducting Nb(Cb)—Zr—Ti alloys in high magnetic field, 22:49729
  Peak effect in superconducting Nb—15 at. percent Zr—45 at. percent Ti alloys, 21:43983
ISHIDA, Fumihiko Critical current of superconducting Nb—Zr—Ti ternary alloys in magnetic field, 23:27539
  Effect of precipitation on critical current density of Nb—40 at. percent Zr—10 at. percent Ti alloy in magnetic field, 23:8189
  Effect of precipitation on the critical current density of Nb—5 at. percent Zr—60 at. percent Ti alloy in magnetic field, 23:1299
  Effect of precipitation on the critical current density of Nb—40 at. percent Zr—10 at. percent Ti alloy in magnetic field, 23:1298
  Effect of precipitation on the critical current density of Nb—5 at. percent Zr—60 at. percent Ti alloy in magnetic field, 23:8190
  Phase diagram of Nb—Zr—Ti ternary system at 570°C, 23:995
ISHIDA, H. Computer controlled dynamic cineradiography, 25:26557
ISHIDA, Hideki Classification of the leading lines and their nature in the engineering of construction of an atomic power plant, 21:30213
  Leading lines planning in the engineering of construction of an atomic power plant, 21:30214

ISHIDA, K. Effect of x irradiation of rabbit spermatozoa in vitro in different gases, 21:22709
  Isotope separation by liquid-gas chemical exchange, 21:12498 (JAERI-1115)
  Neutron activation analysis for mercury, 24:27020
  Small-scale distribution of interstellar absorption, 22:13124
  U, B, V observations of IC 1805, 23:39093
ISHIDA, Kazuko Study on detection methods of ^{14}C-labelled compounds, 25:57752
ISHIDA, Kenji Partition function ratios of isotopic alkali halides, 21:1349
ISHIDA, Kenzo Gastric carcinoma in a fixed population, 25:49311
ISHIDA, Kin-ichi Current commutation relation and pion—nucleon scattering, 21:40231
  Derivative coupling meson theory and PCAC, 21:40230
  Pion—nucleon scattering at low energies and partially conserved axial-vector current hypothesis, 22:9592
ISHIDA, Kohtaro Inelastic scattering of fast electrons by crystals, 24:12631
ISHIDA, Koji Adsorption behavior of a number of metals in hydrochloric acid on a weakly basic anion exchange resin, 22:40192
  Thin-layer chromatographic separation of scandium, rare earths, thorium, and uranium, 22:51069
  Thin-layer chromatography of metal ions, 24:16661
  Thin-layer chromatography of rare earth elements using cellulose ion exchanger, 25:250
ISHIDA, M. Cause of death as recorded on death certificates in Hiroshima and Nagasaki, Japan, 21:12912
ISHIDA, Masahiro Biological shielding test of KUR, 23:47273
ISHIDA, Masayoshi New approximation in the calculation of collision probabilities in cluster-type fuel lattices, 25:60231
ISHIDA, Morihiro Carcinogenesis in Hiroshima and Nagasaki, 22:8560 (ABCC-TR-16-63)
ISHIDA, Nakao Biophysical properties of poliovirus irradiated with uv, 21:45848
ISHIDA, Ryoei Spectrophotometric determination of Sc(III) with chromazurol S, 21:27904
  Spectrophotometric determination of La(III), 23:40543
ISHIDA, Ryuichi Influence of C content on the Co phase contained in WC base cemented carbides, 21:530
  Manufacture of fuel for second charge of Kyoto University Reactor, 22:14272
  Structure of a nuclear fuel element, 23:11358
ISHIDA, S. Electromagnetic form factors of baryons and quark model, 21:4019
  Electromagnetic mass differences of baryons and quark model, 21:4020
ISHIDA, Sadamu Lung cancer, 22:6841
  Medical examinations of atomic bomb survivors in the Ryuku Islands, 23:43845
  Results of examination of bomb victims at Human Dock, 23:14222 (UCRL-Trans-1371)
ISHIDA, Shin Bose quarks and non-leptonic weak interactions, 24:40348
  Electromagnetic properties of baryons and the quark model, 21:17074
  Electromagnetic properties of mesons in the quark model, 21:33649
  Low-energy pion—nucleon scattering, 24:1602
  Low-energy theorem from pair suppression and some applications, 23:18884
  Nonleptonic hyperon decays and static SU(6), 24:13016
  Quark model and quadratic mass formulas for mesons, 21:37777
  Static SU(6) and fundamental substitution, 22:46491
ISHIDA, Shinichi Method for producing improved polyoxymethylene copolymer, 22:47190
  Method for producing nitrogen-containing trioxane copolymer, 22:37810
  Method for producing polyoxymethylene copolymer, 22:35845
  Method for producing polyoxymethylene, 23:40777
  Polymerization of itaconic acid derivatives, 21:23926
ISHIDA, Shusuke Automatic control systems for medical electron linear accelerators, 25:1684
ISHIDA, T. Cryostat for thermal measurements between 2 to 300°K, 22:19910
  Dose distribution of betatron electron beam by pendulous technique, 22:51691
ISHIDA, Tadasi Pathological studies of radioactivity effects in body disturbances. II, 22:10837
ISHIDA, Tadeshi Spindle-cell sarcoma in the syrian hamster produced by Thorotrast, 21:11049
ISHIDA, Takanobu Application of finite orthogonal polynomials to the thermal functions of harmonic oscillators. I, 22:18762
  Chemical and isotopic equilibria involving liquid and gaseous nitrogen oxides, 24:27213
  Correlation of isotope effects with molecular forces. I, 24:48089
  Theoretical analysis of chemical isotope fractionation by orthogonal polynomial methods, 25:8335
  Vapor pressure of the isotopic ethylenes. IV, 23:7535
ISHIDA, Tatsuo Plasma confinement experiment on Heliotron D machine, 25:38375 (CONF-710607-108)
ISHIDA, Tetsuya In vivo dosimetry, 25:21706
ISHIDA, Tetuya Clinical observation of tongue cancer treated with high energy electrons, 22:51737
ISHIDA, Tsunemi Operation manual for JRR-2, 25:48309 (JAERI-13762)
ISHIDA, Y. Excitation of Bernstein mode plasma, 24:30331
  Observation of anomalous sound velocity in weakly ionized plasma, 25:52879
  Oscillation due to collision-induced instability in mercury plasma, 25:27802
  Polyoxymethylene prepared by γ-ray-induced polymerization of tetraoxymethylene single crystal, 25:51496
ISHIDA, Y. G. Determination of debye temperatures from x-ray data and their use in calculating thermodynamic properties, 22:7952 (MLM-1396)
ISHIDA, Yasukazu Supersonic flaw-detection method for Zircaloy cladding tubes, 23:3058
ISHIDA, Yoichi Dielectric absorption in polyoxymethylene obtained from tetraoxymethylene crystal by radiation induced polymerization, 24:46267
ISHIDA, Yoshio Cosmic-ray neutron observation in 8th Japanese antarctic research expedition 1967-68, 25:16864
  Multiplicity measurements of cosmic ray neutron monitors in low latitude, 21:41839
ISHIDZU, T. Low-energy excited levels of ^{54}Fe and ^{54}Cr, 24:10969
  SU$_3$ algebra in mixed shell space (op,od,ls), 22:27297
ISHIDZU, Takehiko Analytical solution for S-states with the Woods—Saxon potentials, 23:9057
  SU$_3$ algebra in the mixed-shell spare (0p, 0d, 1s). I, 23:32967
ISHIGA, T. Reactions ^{54}Fe(p,p) and ^{54}Fe(p,p'), 22:27053
ISHIGAKI, A. Moessbauer study of $FeCl_2 . 4H_2O$ in the temperature range 4.2° to 0.025°K, 22:17767
ISHIGAKI, Atsushi Demagnetization cryostat for Moessbauer effect experiments, 21:33298
  Improved demagnetization cryostat for Moessbauer effect experiments, 22:11496
ISHIGAKI, I. Active species in the radiation-induced postpolymerization of trioxane, 23:7573
  Polymerization of trioxane, 22:51033
  Radiation-induced postpolymerization of trioxane in solid state, 21:43005
ISHIGAKI, Isao Radiation-induced postpolymerization of trioxane in the solid state. II, 25:10611
  Radioinduced polymerization of trioxane, 24:31388
ISHIGAKI, M. X-ray protection equipment for infants, 22:8534
ISHIGAME, Mareo Infrared properties of yttrium oxide, 25:17312
  Uranium dioxide crystals grown by a solar furnace, 23:14389
ISHIGURE, Kenkichi Irradiated solid phase polymerization at liquid helium temperature, 24:11623
  Nuclear magnetic resonance of tetrafluoroethylene—isobutylene copolymers obtained by γ-ray irradiation, 25:4102
  Solid state polymerization at liquid helium temperature, 23:33227
ISHIGURO, Masakazu Life time of excited state of F centers in KCl:Ag, 21:15234
  Luminescence in CsI:Tl, 23:3570
ISHIGURO, T. Ultrasonic attenuation in the mixed state of superconducting vanadium, 23:8558
ISHIGURO, Y. Benchmark test by various cross section sets for fast reactor analysis in Japan, 25:60210 (JAERI-Memo-4406)
ISHIGURO, Yuji Thermal neutron energy spectrum of JRR-3, 23:40400
ISHIGURO, Yukio Accuracy of analytical treatments for resonance absorption in Doppler resonance regions, 25:10038
  Concept of group constants in resonance energy region. I, 23:46907
  Effect of resonance scattering of sodium on resonance absorption of ^{238}U, 22:18247
  Exact treatment of the resonance absorption of neutrons of intermediate energy, 22:30357
  Improvements to the intermediate treatment of resonance absorption in nuclear reactor theory, 25:51233 (JAERI-13700)
  Intermediate neutron resonance absorption in heterogeneous systems, 22:18607
  Intermediate neutron resonance absorption with interference scattering in heterogeneous systems, 23:46898
  Intermediate treatment of resonance absorption, 23:40453
  JAERI fast reactor group constants systems. II-1, 25:17862 (JAERI-1199)
  Neutron cross sections in unresolved resonance region, 24:22205
  Number of resonances to be adopted for obtaining practically reliable cross section curves, 25:20395
  Permissible range for parameter used in intermediate-resonance treatment, 22:35330
ISHIHARA, Fusao Effect of ultraviolet rays in the refrigerator, 21:18200
ISHIHARA, Hiroshi Shimadzu high intensity 20-MeV medical betatron, 25:41155
ISHIHARA, Junichi Problems associated with radiological medication, 23:38658
ISHIHARA, Katsumi Experimental studies of new superconducting Ti—Nb—Ta alloy wires, 22:7230
ISHIHARA, Keizo Resistance of Staphylococcus aureus to uv, 24:23404
ISHIHARA, M. Conversion electrons from (α,xn) reactions on Sm isotopes and nuclear structures of Gd nuclei, 22:27162
  Determination of oxygen in aluminum electrolytic baths by a fast-neutron activation method, 25:48489
  E2 core polarization by h/sub $^9/_2$/ proton, 23:8978
  E2 effective charges of the f/sub 7/2/ proton and neutron, 25:5646
  Lifetime measurements on E2 isomers in N = 48 nuclei, 25:43847
  Study of some neutron-deficient doubly even nuclei of Hg and Pb by (p,4nγ) and (p,6nγ) reactions, 22:27165
ISHIHARA, Masayasu Control system of goniometer for in-beam spectroscopy, 25:49038 (INS-TL-111)
  Conversion electrons from (p,2n) and (α,3n) reactions on vibrational nuclei, 21:1089
  Decay of ^{134}La, 21:33984
  In-beam spectroscopy in INS, 22:48513 (JAERI-1158, pp 10-13)
ISHIHARA, N. Measurement of γpΔ(1236), 24:30432
  Operation characteristics of 75 cm hydrogen bubble chamber and the refrigerator. I, 25:29372 (SJC-T-71-1)
  Pneumatic expansion system of the 75 cm hydrogen bubble chamber, 25:44686 (SJC-T-71-2)
ISHIHARA, Nobumitsu Arginase activity in epidermis following ultraviolet exposure, 21:28397
ISHIHARA, Sangyo Recovery of tantalum from tin slag, 24:11687
ISHIHARA, Shigeru Fibred spaces and projectable tensor fields, 21:7442
ISHIHARA, Shinji Measurement of fast neutron spectrum with ^{6}Li and ^{3}He sandwich counters, 24:25295 (KURRI-TR-67)
ISHIHARA, Shunso Chemical characteristics of river water in the eastern part of Shimane Prefecture, 24:44134
  Source rocks of uraniferous deposits in Northern Miyoshi district, 23:49957
ISHIHARA, T. Accumulation of fallout ^{137}Cs in newborn infants, 23:50538
  Body burden of ^{137}Cs in Japan, 21:20211
  Internal dose due to fallout ^{137}Cs, 24:23193 (CONF-690501-, pp 105-16)
  Many-body theory for time-dependent perturbations in atomic systems, 23:8475
  Monitoring of the working environment, 23:48068
ISHIHARA, Takaaki Chromosome studies on Japanese exposed to radiation, 22:28574
  Fishermen exposed to fallout in 1954, 24:34564
  Leukemia chromosomes in subjects exposed to ionizing radiation, 22:15087
  Polyploid cells in human leukocytes following in vivo and in vitro irradiation, 21:22733
ISHIHARA, Takehiko Aqueous reprocessing test with irradiated fuels, 25:51551 (A/CONF.49/P-239)
  Changes to Pu extraction behavior of TBP and alkylamines through irradiation, 21:6008
  Chlorination-distillation processing of irradiated uranium dioxide, 23:38053
  Decomposition of cyclohexyl amines through irradiation, 21:36051
  Directly recovering Pu from spent U fuel, 22:45162
  Effect of temperature on the extraction of nitric acid, U, and fission products with tri-n-octyl amine, 22:21166
  Method for producing a dispersed-in-graphite nuclear fuel, 22:8815
  Method for separating uranium and fission products by the use of barium chloride, 22:33524
  Process for preparing nuclear fuel elements of dispersed-in-graphite type, 22:23884
  Recent trend in radioactive waste management in Japan, 25:4317
  Recovery of useful radioisotopes from spent fuels, 24:31457
  Recovery of useful radioisotopes from reprocessing wastes and their application, 25:44420
  Reprocessing of spent uranium fuel by means of chlorination and fractional absorption by barium chloride, 22:30673
  Studies on radiation effects at JAERI, 25:54193 (A/CONF.49/P-823)
  Treatment of low- and intermediate-level radioactive wastes at JAERI, 21:260
ISHIHARA, Takeshi Note on nuclear statistical model, 23:25973
ISHIHARA, Tomio Plutonium lung monitor using a thin NaI(Tl) crystal of large area, 24:2464
ISHIHARA, Toyohide Construction and operation of radiological monitoring post, 21:26411 (JAERI-1119)
  Environmental radiation monitoring system, 25:42094
  Environmental radiological monitoring system, 21:28467
ISHIHARA, Toyokuki Shielding effect of paraffin, water, soil, concrete, Fe, and Pb for high-energy neutrons, 23:51748
ISHII, B. Deformation and bonding mechanisms of UO_2 during pneumatic impaction, 21:34944 (BNWL-SA-1155)
ISHII, Bumpei Effect of irradiation on microstructure of swaged UO_2, 22:41135
  Microstructure of irradiated uranium dioxide, 21:26928
  Uranium monosulphide crystallized from sulphurated uranium melt, 21:8262
ISHII, Bunpei High-temperature oxidation mechanism in 2.5 percent tin—zirconium alloy, 22:625
ISHII, C. Cascade synchrotrons for energies up to 100 GeV, 21:29709
ISHII, Chikara Josephson currents through junctions with normal metal barriers, 25:22464
ISHII, Daido Activation analysis for B, 25:26198
  Activation analysis for Li, 25:26196
  Activation analysis of Cl, Br, and I in biological materials, 24:27015
  Activation analysis of N, 23:31320
  Activation analysis of phosphorus, 24:5644
  Chronopotentiometry of U(VI) in phosphoric acid, 24:36229
  Determination of oxygen in ferrosilicon by 14 MeV neutron activation, 22:8010
  Gamma spectrometry in activation analysis with Be—D neutrons, 24:48057
  Non-destructive determination of fluorine with activation analysis, 25:31868
  Non-destructive determination of hydrogen in organic solvents in neutron slow-down process, 21:8219
  Non-destructive determination of hydrogen in organic solvents by thermal neutron scattering, 21:38905
ISHII, Hajime Emission spectra of pyrazine and deuterated pyrazines, 25:46482
ISHII, Hiroshi Cryosorption properties of molecular sieves in ultrahigh vacuum region, 22:300
  Design and performance of cryopump, 22:301
ISHII, Jun Treatment of hyperthyroidism with ^{131}I, 22:31196
ISHII, K. E2 core polarization by h/sub $^9/_2$/ proton, 23:8978
  Lifetime measurements on E2 isomers in N = 48 nuclei, 25:43847

Propagation characteristics of drift waves in an inhomogeneous magnetoplasma, 23:42359
Propagation of electrostatic ion waves in the vicinity of ion cyclotron frequency in a plasma, 23:1452
Suppression of drift instability by rf electric field, 25:27787
Suppression of drift wave instability by rf electric field, 24:37481 (IPPJ-91)
Suppression of drift-wave instability by rf electric field, 24:35458
ISHII, Kameo Control system of goniometer for in-beam spectroscopy, 25:49038 (INS-TL-111)
Lifetime of 341 keV level in ^{127}Te, 23:4021
Quasi-gamma bands in ^{152}Gd and possible presence of quasi-K quantum number, 25:12518 (INSJ-123)
Quasi-K quantum number in ^{152}Gd, 25:43939
ISHII, Keishi Contraction of plasma in a linear Z-pinch tube, 21:9526
Spectroscopic studies of a He plasma in linear Z-pinch tube, 23:14760
ISHII, M. Anomalous states in ^{85}Rb (Z = 37) nucleus, 22:27001
Beta- and Compton-suppression for the internal conversion study, 25:34933
Temperature and energy dependences of axial channeling of protons in silicon crystals, 25:52909
Temperature dependence of dechanneling coefficient in protons in silicon crystals, 25:11969
Testing of feasibility of ball bearings in liquid sodium environments, 23:46036 (ANL-7520(Pt.2), pp 121-9)
ISHII, Mitsuhiko Fabrication of thick germanium detectors, 21:28207 (JAERI-1131)
ISHII, Mitsuru Mechanical properties of Nb—Zr solid-solution alloys, 21:41584
Strain rate dependence of tensile flow stress of Nb—Zr solid solution alloy, 22:31369
ISHII, Sakae Growth of Pt crystals on W surface, 25:29850
ISHII, Shigeyuki Electron beam collector with ionization cavity, 24:10559
Low-frequency instabilities of a highly ionized magnetoplasma, 22:41634
Low-frequency oscillations in a magnetized carbon arc, 22:15539
ISHII, Shozo High-speed photographing of fast theta-pinch plasma, 25:52789
ISHII, Sueji Irradiation device, 23:13920
ISHII, T. Phase transition and phase diagram in U_4O_9 phase, 24:27875
Preparation of U_4O_9 single crystal, 24:19490
Summary of in-pile loops at JAERI, 22:12120
X-ray study on a phase transition of U_4O_9, 21:28844
ISHII, T. Koryu Electromagnetic radiation from heterogeneous plasma, 25:11890
Equivalent-circuit parameters of a cylindrical-cavity resonator, 21:10702
ISHII, Tadahiko New method of temperature control in capsule irradiation vacuum control method, 22:22850
ISHII, Tadao Amplification of neutral acoustic waves in gaseous plasmas, 24:12870
ISHII, Taka Thermal neutron activation cross sections of ^{132}Ba(n,γ)/sup 133m/Ba and ^{134}Ba(n,γ)/sup 135m/Ba reactions, 25:20439
ISHII, Takahiroo Observations for proton flare project, 1969. IV, 24:35116
Observations for proton flare project, 1969. V, 24:35320
ISHII, Takehiko Measurement of the polarization of synchrotron radiation, 23:3868
Photochemically produced V bands in KBr and KCl, 21:7344
ISHII, Tamotsu Electrical conductivity and defect structures in non-stoichiometric UO/sub 2 + x/, 25:3210
Electrical conductivity study on phase transitions in U_3O_8, 24:46809
Properties and structures of uranium oxides with emphasis on nonstoichiometry, 22:41098 (JAERI-4045)
X-ray and neutron diffraction study on phase transition in U_4O_9 phase, 25:24656
ISHII, Teruo Effects of Mn, Si, Cr, and Ni on reaction of solution and precipitation of Nb nitride in Fe austenite, 25:58268
ISHII, Tokuhiko Method for measuring continuously the cement-clinker volume by means of penetrating radiation, 23:4852
ISHII, Toshio Capsules for samples to be irradiated in nuclear reactors, 24:5783
Conceptual design of the reactant flow loop for fissiochemical studies, 25:57613 (JAERI-Memo-4446)
Operation manual for JRR-3: reactor, 25:51164 (JAERI-13689)
ISHII, Yasushi Spatial recording of disappearance constants of ^{133}Xe washout from the lung, 25:6632
ISHII, Yoshimi Shock absorber for use in the control-rod drive, 21:23771
ISHII, Yugoro Layer-radiography with a betatron, 23:33359
ISHII, Yukifumi Chronic granulocytic leukemia with special reference to A-bomb survivors, 25:18963
Chronic granulocytic leukemia with special reference to A-bomb survivors, 25:24437
ISHII, Yutaka Mutagenicity versus radiosensitivity: target consideration, 25:6668 (CONF-691106-, pp 280-96)
ISHIIE, Shunji Kojic acid production by uv-irradiated strains of A. oryzae, 21:16549
ISHIJIMA, Itaru Aqueous bicarbonate—oxalate as leaching reagent for U ores, 22:4238
Extraction of U from bicarbonate—oxalate leach solution, 23:40839
Extraction of U(VI) from aqueous oxalate solution with high-molecular-weight amine, 22:33531
Preparation of U tetrafluoride by hydrazine reduction of U, 25:37353
ISHIKAWA, D. Diagnostic values of camera and scanner scintigrams, 23:33433
ISHIKAWA, Daiji Comparison of thyroid scintigrams between by scanner and by camera, 22:45304
ISHIKAWA, Daizi Effects of γ irradiation on ^{51}Cr-labeled red blood cells, 25:58136
ISHIKAWA, F. Spark chamber pictures of air showers, 21:5093 (INSJ-100)
ISHIKAWA, H. Behavior of acid mucopolysaccharide in sclerosis of skin following betatron irradiation, 23:41268
Fast reactor research and development program in Japan, 22:35538
ISHIKAWA, Hajime Effects of whole-body irradiation on NAD nucleosidase in rat tissues, 24:587
Effects of x irradiation on nicotinamide adenine dinucleotide levels in rat tissues, 23:4895
ISHIKAWA, Hiroaki Determination of ^{14}N(n,2n)^{13}N reaction cross section for 14.7 MeV neutrons, 25:3576
Determination of activation cross section, 24:5613
Quantitative analysis of nitrogen using gamma ray spectrometry, 22:33226
ISHIKAWA, Hiroshi Activation analysis of oxygen in phosphorus with fast neutron, 25:29024
Prog. rpt. on nuclear safety experimental program, 4—10/70, 25:20763 (JAERI-Memo-4229)
ISHIKAWA, I. $4\pi\beta$—γ coincidence absolute measurement of nuclides emitting soft conversion electrons in appreciable proportions, 25:26464
Absolute measurement of beta-disintegrating nuclides, 25:20421
ISHIKAWA, Isao Liquid helium cooled stage for an electron microscope, 21:8647
ISHIKAWA, K. Reprocessing project in Japan, 24:9628
Uranium and other trace elements in Devonian and Mississippian black shales in the central midcontinent area, 21:13292
ISHIKAWA, Kiyoshi Fuel element for a nuclear reactor, 23:11363
Nuclear fuel element, 23:15741
Reactor fuel rod, 22:53482
ISHIKAWA, Koich A-bomb human casualties in a building located less than 200 m from the hypocenter, 21:39159 (AEC-tr-6858, pp 11-13)
ISHIKAWA, Kosuke Radionecrosis of the ribs in a patient with mammary carcinoma, 22:28568
ISHIKAWA, M. Effects of ultraviolet light and x rays on aqueous solutions of poly-L-glutamic acid, 25:13054
Electronic specific heats and superconductivity in the group-V transition metals, 25:22457
Low-temperature heat capacities of superconducting NbC and TaC, 22:44038
Recent waste management program in Japan and the studies on behavior of radionuclides in marine environment for hazard evaluation of sea waste disposal, 25:51651 (A/CONF.49/P-850)
Superconducting electron—phonon interaction parameter in transition metals, 25:40540
Temperature-dependent kinetic behavior of the SPERT-III E-core, 22:5957
ISHIKAWA, Masashi Construction and operation of (ATR) component test loop, 25:4192
ISHIKAWA, Michio Destructive energy released at fast breeder reactor maximum hypothetical accident, 24:43790 (JAERI-1188)
Device for delaying the loss of reactor coolant water, 23:28494
Effect of reactivity feedback on reactivity accidents in light water power reactor, 25:46284
Effects of space dependency on reactor kinetic analysis, 25:54264 (JAERI-Memo-4352)
EUREKA: a digital program for U-oxide fuel, water cooled, reactor kinetic analysis, 25:51138 (JAERI-13592)
Fast transient analysis for light water power reactor by EUREKA, 25:23311 (JAERI-1201)
Feedback behavior of the prompt moderator heating effect, 25:60179
MULTI-TRABLL: a multi-channel computing model for thermo-hydrodynamical analysis in liquid metal cooled fast reactor, 25:51065 (JAERI-13611)
Nuclear safety experimental program with pulse reactor, 25:44162
Nuclear, thermal-hydraulic performance analysis of JPDR, 21:15655 (JAERI-1114)
Prog. rpt. on nuclear safety experimental program, 4—10/70, 25:20763 (JAERI-Memo-4229)
Safety research for nuclear reactivity accidents, 24:33366
Survey list of accident, hazard, and abnormality in nuclear facilities, 25:19013 (JAERI-Memo-4240)
ISHIKAWA, N. Flow of a liquid metal coolant past a heat generating cylinder, 25:26422
ISHIKAWA, Niro Air-oxidation of UO_2 pellets, 24:42183
Oxidation of UO_2 pellets in air, 23:8318
Oxidative pulverization of UO_2 pellets, 23:24990 (JAERI-1174)
ISHIKAWA, Nobuo Chemical study on unsaturated fatty acids obtained from phospholipids of a x-rays irradiated rabbits' organs, 22:16992
ISHIKAWA, Nobuyuki Radiosensitivity of the radiation induced aminopterin resistant yeast cells, 25:57927
ISHIKAWA, Shigeru International control of disposal of radioactive waste, 25:6525
ISHIKAWA, T. Novel dry plate for recording energetic particle beams, 25:6545
Nuclease mutants in Neurospora, 24:7804
Radiation sensitivity of nuclease mutants in N. crassa, 24:2639
ISHIKAWA, Taro Change of carrier lifetime in radiation-damaged silicon solar cells, 23:50234
ISHIKAWA, Tatsuo Mutagenic specificity at the AD-8 locus in Neurospora crassa, 22:17018
Mutagenic specificity in Neurospora, 21:24397
ISHIKAWA, Yoshiaki Rotating type of neutron beam modulating device, 23:2632 (KURRI-TR-38)
ISHIKAWA, Yoshiko Causality and Lorentz invariance in relativistic quantum mechanics, 24:28587 (UCSD-10-P-10-69)
Causality and Lorentz invariance in relativistic quantum mechanics, 25:14508
ISHIKAWA, Yoshimitsu Implantation of Al and Sb into Si targets, 24:28429
Penetration of energetic ions in monocrystalline targets and channeling diodes, 22:39171
Penetration range of energetic ions in irradiated amorphous targets, 22:24042
ISHIKETA, Tadashi Energy spectroscopy of gamma rays using organic scintillator, 25:23795
Estimation of coefficient of luminescence in organic scintillator by using digital computer, 25:57753
ISHIKURA, Reiko Reversed phase thin-layer chromatographic behavior of rare earths, Th, U, and Zr with a high molecular weight amine in sulfuric acid and ammonium sulfate systems, 25:29187
ISHIKURA, Takeshi Waste disposal systems, 23:13973
ISHIMARA, T. Radiocontamination of the environment and its effects on the mother and fetus. III. Pt. II, 25:511
ISHIMARU, Akira Similarity principle for multipacting discharges, 22:7297
ISHIMARU, Hajime Angular distributions of fast photoneutrons from Pb, Bi, and Ta, 23:15457
Energy-mass analysis for highly ionized steady-state plasma, 25:3063
Mass-energy analysis for highly ionized steady state plasma, 25:38400 (IPPJ-DT-22)
ISHIMARU, Michito Multiple myeloma in atomic bomb survivors, 22:4643
ISHIMARU, Mitsito Clinical observations of 67 cases of leukemia, 22:2526
ISHIMARU, T. RBE of neutrons in Japanese survivors, 25:6760 (CONF-691106-, pp 547-79)
ISHIMARU, Toranosuke Leukemia in atomic bomb survivors, Hiroshima and Nagasaki, 25:21923
ISHIMATSU, Kenji Container for a neutron moisture meter, 21:22084
Radioisotopic generator, 24:31605
ISHIMATSU, T. Helium-3 induced reactions at INS cyclotron, 22:39628 (CONF-670970-, pp 117-38)
Inelastic scattering of protons from ^{64}Zn, 24:43247
Level structure of ^{116}Sn and ^{117}Sn from (p,d), (p,t), and (p,p') reactions, 22:30009
Level structure of ^{64}Zn by (p,d), (p,t), and (p,p') reactions, 22:26986
Level structure of Sn isotopes by (p,d), (p,t), and (p,p') reactions with 55-MeV protons, 22:27144
Magnetic analyzer system for the INS Tokyo synchrocyclotron, 21:27492
Neutron single-hole states in ^{149}Sm, ^{157}Gd, and ^{196}Au investigated by (p,d) reactions, 24:6927
Neutron single-hole states in ^{149}Sm, ^{157}Gd, and ^{196}Au, 24:43435
Proton widths of excited states in ^{29}P by the ^{28}Si(^{3}He,d)^{29}P reaction, 21:7753
Reaction (^{3}He,d) on ^{116}Sn, ^{118}Sn, and ^{120}Sn, 22:3734
Reactions (p,t) on ^{150} ^{152} ^{154}Sm, 22:27147
Single-hole states in 50 < N less than or equal to 126 shell with (p,d) reactions, 23:5879
Single-hole states in the 50 < N less than or equal to 126 shell by (p,d) reactions, 22:27146
Transitions l = 3 and 4 in inelastic scattering of protons from ^{64}Zn, 23:40006
ISHIMATSU, Toshiyuki Levels of ^{117}In from the ^{116}Cd(^{3}He,d)^{117}In reaction, 25:39027
Nuclear structure of ^{44}Ti by reaction ^{43}Sc(^{3}He,d), 23:3978
Nuclear structure study of ^{141}Pr and ^{143}Pm, 24:20403
Structures of ^{141}Pr, ^{143}Pm and ^{117}In by (^{3}He,d) reactions, 24:20383 (JAERI-1184, pp 88-91)
ISHIMOCHI, Ryoji Removal of radioactive Sr deposited in the bone by means of parathyroid hormone and a chelating agent, 21:24363
ISHIMORI, T. Ranges of fission products formed in reaction ^{239}Pu(n/sub th/,f), 23:7283
Spontaneous fission of ^{238}U, 21:38329
ISHIMORI, Tatsujiro Cation-exchange separation of nitrosylruthenium(III) from Ru(III and IV), 24:29356
Infrared spectra of pentacyanonitrosylmanganese (^{14}NO and ^{15}NO) complexes, 25:41796
ISHIMORI, Tomitaro Collected papers on disintegration studies of short-lived nuclides, 23:46985 (JAERI-1178)
Determination of ^{137}Cs in irradiated U, 25:46
Determination of small amounts of TBP and DBP in uranyl nitrate solutions, 23:28726
Fractional extraction of Zr, Nb, and Np with tri-n-butyl phosphate, 25:41901
Fractionation separation for irradiated U by a concentration technique, 22:6431
Gamma-spectroscopic determination of the isotopic ratios ^{235}U to ^{238}U, 23:6084
Isolation of ^{233}U from irradiated ThO_2, 22:23112
Isolation of radioniobium from γ-irradiated molybdenum oxide, 23:24293
Preparation of ^{236}Pu, 23:47487
Process for recovering uranium as uranium dioxide, 25:15750
Uranium amalgam from aqueous solution, 23:17412
Uranium dioxide from uranyl nitrate—tri-n-butyl phosphate solution, 22:21754
ISHIMOTO, Yoshikazu Studies on polymers from cyclic dienes. VI, 22:8115
ISHIMURA, Tsutomu Device for measurement of time-resolved profiles of a line spectrum emitted from a plasma, 25:58989
Motion of an ionized gas in electric and magnetic fields, 21:3865
Stark broadening of Lyman alpha line. I, 22:43886
ISHINISHI, Noboru Distribution of ^{95}Zr—^{95}Nb administered subcutaneously to rats, 24:36685
ISHINO, S. Resistometric study of the solution and precipitation of hydrides in unalloyed zirconium, 22:49833

- ISHINO, Shiori Relation between texture and hardness anisotropy in some beryllium- and zirconium-alloy products, 23:30029
  - Swelling and helium damage in reactor materials, 23:22612
- ISHITANI, Tohru Backscattering of light ions of keV energies, 25:40727
- ISHIWARA, Akira Extraction of recoil products from ion exchanger loaded with target ion during neutron irradiation, 22:40141
- ISHIWARI, Ryutaro Average energy loss per ion pair for heavy ions at low energies, 21:28968
  - Comparison of energy losses of protons and deuterons of exactly the same velocity, 22:35277
- ISHIWARI, Syuiti Coulometric determination of microamounts of hydrogen in metal, 24:26932
- ISHIWATA, Hiroshi Present status of multi-purpose high-temperature gas-cooled reactor, 25:37092
- ISHIWATARI, Junsuke Electron-beam curing of paint coating, 25:51498
- ISHIWATARI, Nasumi Chemical analysis procedures, 21:25770 (JAERI-1125)
  - JPDR irradiation experiment of artificially pin-holed nuclear fuel rods, 25:57047 (JAERI-Memo-4157, pp 2-22)
  - Water chemistry of JPDR, 21:46855 (JAERI-1135)
- ISHIYAMA, M. Electrical discharge sintering and graphitization of carbon powders, 22:13051
- ISHIYAMA, T. Detection of radiotungsten in rainwater, 25:15794
- ISHIYAMA, Toshio Adsorption of radioactive materials by coal humic acid, 22:12426
  - Adsorption property of nitrosylruthenium complex on activated carbon, 24:39036
  - Decontamination of radioactive Ru by cellulose derivative-bentonite flocculation. I, 21:6005
  - Detection of radiotungsten in rainwater, 24:38756
  - Measurement on adsorption of sodium by HAP with a Ge(Li) detector, 24:39010
  - Ruthenium(VIII) chelate of 2,2'-bipyridine, 22:42641
- ISHIZAKA, Kyoichi U—Th—Pb ages of zircon from Ryoke metamorphic terrain, Kinki district, 24:14065
  - Uranium—Th—Pb ages of sphene and zircon, 23:40888
- ISHIZAKA, Masatsuna Examination of blood counts on radiological technicians in Japan, 25:58134
  - Investigation of radiation hazard in x-ray workers, 25:42486
- ISHIZAKA, S. Desalination in Japan, 23:49613
- ISHIZAKA, Shozo Relationship between mutation and x-ray doses in Drosophila, 21:36541
- ISHIZAKI, Goro Evaluation of fetal lamb thyroid function, 24:29786 (UCD-472-116, pp 125-6)
- ISHIZAKI, Y. Elastic scattering of 36.0- and 46.3-MeV neutrons from deuterium, 25:7804
  - Excited 0^+ states in ^{52}Fe, ^{54}Fe, ^{56}Ni, and ^{58}Ni from (p,t) reaction, 25:20321
  - Inelastic scattering of protons from ^{64}Zn, 24:43247
  - Level structure of ^{116}Sn and ^{117}Sn from (p,d), (p,t), and (p,p') reactions, 22:30009
  - Level structure of ^{64}Zn by (p,d), (p,t), and (p,p') reactions, 22:26986
  - Level structure of Sn isotopes by (p,d), (p,t), and (p,p') reactions with 55-MeV protons, 22:27144
  - Magnetic analyzer system for the INS Tokyo synchrocyclotron, 21:27492
  - Neutron single-hole states in ^{149}Sm, ^{157}Gd, and ^{196}Au investigated by (p,d) reactions, 24:6927
  - Neutron single-hole states in ^{149}Sm, ^{157}Gd, and ^{196}Au, 24:43435
  - Nuclear structure study of even Sm isotopes from (p,t) reaction, 22:48518 (JAERI-1158, pp 47-55)
  - Numerical differential cross sections of reaction ^{58}Ni(p,t)^{56}Ni with 51.9 MeV protons, 25:12431 (INSJ-124)
  - Reactions (p,t) on ^{150} ^{152} ^{154}Sm, 22:27147
  - Single-hole states in 50 < N less than or equal to 126 shell with (p,d) reactions, 23:5879
  - Single-hole states in the 50 < N less than or equal to 126 shell by (p,d) reactions, 22:27146
  - Transitions l = 3 and 4 in inelastic scattering of protons from ^{64}Zn, 23:40006
- ISHIZAKI, Yoshihide Elastic and inelastic scattering of 55 MeV protons from ^{58}Ni, 21:7752
- ISHIZAWA, R. Final-state interaction between the Λ^0 hyperon and ^{3}H in $K^- + {}^4He \rightarrow \Lambda + {}^3H + \pi^0$ reaction, 24:52124
- ISHIZAWA, Y. De Haas—van Alphen effect of Yb, 22:3183
- ISHIZONE, T. Measurement of the phase constant along a conducting wire in a magnetoplasma, 25:11935
- ISHIZUKA, H. Plasma acceleration at harmonics of the electron cyclotron frequency, 23:18628 (CONF-680113-(Vol.2), pp 775-807)
- ISHIZUKA, Hiroshi Process for the separation of hafnium contained in zirconium, 25:18499 (LIB/Trans-330)
- ISHIZUKA, Kazuhiko Field emission microscopic observation of adsorption of O, N, H, carbon monoxide, and Xe on Re, 22:41046
- ISHIZUKA, Naotaka Radioimmunoassay of urinary HCG, 24:5975
- ISHIZUKA, T. Photoprotons from Na, P, S, Ca, Mn, and Fe, 22:27076
- ISHIZUKA, Takao Thermal and hydrodynamic transfer functions of BWR core, 25:60038
- ISHIZUKA, Takeo Photoprotons from ^{23}Na, ^{31}P, ^{32}S, ^{40}Ca, ^{55}Mn, and ^{56}Fe, 22:53158
- ISHIZUKA, Yasuhiro Construction of a germanium p-i-n detector, 23:14016
  - Decay of 32.2 min ^{138}Cs to ^{138}Ba, 24:20402
  - Fabrication of a large volume Ge(Li) detector, 24:11779
  - Making of Ge(Li) detector and its application, 25:2437
- ISHKANOV, B. S. Cross section of the reaction ^{28}Si(γ,n), 21:9964
- ISHKANOV, I. M. Multichannel system for measuring the photofission yield, 25:21394
- ISHKHANOV, B. S. (γ,n) cross sections of Al and P, 25:31242
  - Cross section of reaction ^{40}Ca(γ,p), 22:39609
  - Fine structure of cross section of ^{40}Ca(γ,n) reaction, 21:40402
  - Fine structure of the giant dipole resonance in ^{16}O nucleus, 25:31231
  - Giant dipole resonance for nucleus ^{181}Ta, 24:1857
  - Giant dipole resonance on Ni isotopes, 24:33131
  - Highly efficient neutron detector, 24:27363
  - Phosphor photoprotons, 21:44624
  - Photoneutron cross section for silver isotopes, 24:28804
  - Photoneutron cross sections on nickel isotopes, 23:1852
  - Photoneutron reactions on copper, 25:28260
  - Photoproton cross sections for nuclei with (1f—2p) shell, 24:38192
  - Photoprotons from magnesium, 21:2670
  - Photoprotons from sulfur, 21:2680
  - Rapid fluctuations of intensity in the gamma radiation of a betatron, 25:9936
  - Reactions ^{32}S(γ,pγ') and ^{32}S(γ,nγ'), 25:14946
  - Structure of cross section of photoneutron reaction on ^{208}Pb nucleus in the region of a giant dipole resonance, 25:20437
  - Structure of cross section of reaction ^{40}Ca(γ,n) in region of giant resonance, 25:53684
  - Structure of cross sections of (γ,n) reactions on nuclei ^{28}Si, ^{32}S, and ^{40}Ca, 22:44634
  - Structure of photoneutron cross sections of ^{51}V, ^{52}Cr, and ^{59}Co, 25:31243
  - Structure of the cross section of the reaction ^{40}Ca(γ,p), 21:31764
- ISHKHANOV, V. S. Structure of cross section of reaction ^{208}Pb(γ,Tn), 22:32623
- ISHKHANOVA, M. A. Biosynthesis of histones in irradiated animals, 25:44768
- ISHKOV, A. P. Autoresonant acceleration of relativistic electrons, 25:50589
  - Experimental studies of the autoresonance electron acceleration, 25:20224
  - Investigation of auto-resonant particle acceleration by electromagnetic waves, 21:19109
- ISHMAEV, S. N. Anisotropy of a neutron spectrum in water near an absorber, 22:29876
  - Anisotropy of neutron spectra in water near an absorber, 22:20415 (JPRS-43682, pp 63-80)
  - Experimental study of the neutron thermalisation process in time in hydrogenous moderators, 22:48412 (AERE-Trans-1088)
  - Neutron spectrum anisotropy in water close to an absorber, 22:20411 (IAE-1216)
  - Neutron spectrum anisotropy in water close to an absorber, 22:44573 (ANL-Trans-648)
  - Neutron thermalization in H_2O at 318°K and 77°K, 25:31170 (KAPL-Trans-4)
  - Neutron thermalization process in time in graphite and beryllium, 22:26765 (AERE-Trans-1084)
  - Study of neutron thermalization in water at different times, 22:20421 (JPRS-43682, pp 165-78)
  - Time-dependent neutron thermalization in water, 22:29888
- ISHMUKHAMEDOVA, M. S. Formation of lipid, 23:26960
- ISHMUKHAMETOV, A. I. Treatment of information for determining functioning tissue in scanning, 22:38371
- ISHMUKHAMETOV, B. Kh. Energy band structure of binary alloys of V, 25:50003
- ISHMUKHAMETOVA, D. N. Blood clot retraction in acute radiation sickness, 22:45713
- ISHUTINOVA, L. N. Energies of mixing in systems containing germanium and silicon with elements of groups III and V, 25:42970
- ISIDORE, Gabriel System for breaking a moving mass, 23:11367
- ISIHARA, A. Correlation functions in ring-diagram approximation, 22:39217
  - Diagram method for the density matrices, 23:5500
  - Distribution functions of hard-sphere Fermi gas, 21:37387
  - Effects of Coulomb interactions on the Landau diamagnetism, 24:20047
  - Long-distance correlations of charged particles, 25:17337
  - Quantum-statistical distribution functions of a hard-sphere system, 21:17012
  - Statistical mechanics of an electron gas in a magnetic field, 25:59223
  - Theory of the distribution functions for many-particle systems, 23:46569
- ISIHARA, Akira Spatial correlation of particles in many-body systems, 24:20197
- ISINO, Masahiro Pressure dependence of superconducting transition temperature of CuS, 24:15205
- ISIPKOV, L. P. Luminosity functions of galaxies and nuclei of galaxies, 24:25927
- ISIPOV, V. P. Generator of nanosecond rectangular pulses with amplitudes of 500 kV, 23:33558
- ISKANDARYAN, A. G. Possibility of obtaining high-energy polarized electrons and positrons, 25:33641
- ISKANDEROVA, A. D. Comparison of radiochemical and colorimetric methods for U and Th determination, 22:25288
  - Isotopic composition of lead from carbonate rocks of different age, 21:24111
- ISKENDERIAN, H. P. Capture-to-fission ratio measurements of ^{239}Pu, 23:37755
  - Capture-to-fission ratio of ^{239}Pu and ^{241}Pu, 25:41243
  - Effectiveness of control-rod materials, 21:38761
  - Effectiveness of control-rod materials, 21:44931 (ANL-7303)
  - Study on conversion of TREAT facility for testing of fast reactor subassemblies, 23:4351
  - Summary of preliminary studies on a fast-neutron converter for TREAT, 25:41502 (ANL-7816)
- ISKHAKOV, G. I. Investigation of decay of ^{151}Tb, 25:50726
- ISKHAKOV, I. F. Polarization of photons during scattering in gravitational field of spherical symmetry, 25:12159
- ISKOL'DSKII, A. M. Electron-optical method of recording Thomson scattering of light of a ruby laser by a plasma, 21:46317 (LA-tr-67-77)
  - Primary and secondary processes during formation of discharge over short, gaseous path length at nanosecond intervals of time, 22:50194
- ISKRA, A. A. Behaviour of natural radioactive elements in non-running freshwater basin, 23:43412
  - Migration and translocation of natural radioactive elements in water, 25:2547
- ISKRENKOV, A. P. Heat transfer in discharge chamber of a plasma generator, 22:11474
- ISKRZHITSKAYA, A. I. Effect of ultraviolet irradiation on blood serum, 25:8782
- ISKUDARYAN, S. G. Nuclei of Sc galaxies, 24:46951
  - Supernova in NGC 2276, 23:30213
- ISLAM, A. Measurement of deuterium in water, 24:9231
- ISLAM, A. B. M. Nurul Determination of diffusion coefficient of thermal neutrons by neutron wave technique, 21:15472
- ISLAM, A. H. M. Habibul Application of isotopes and radiation in rice cultivation, 21:26370
- ISLAM, A. K. M. A. Non-mesonic decay of hypernuclei produced by K-mesons of 3.0 GeV/c momentum, 25:5277
- ISLAM, E. Detector shielding for the measurement of total neutron cross-section at backward angles, 25:6551
  - Fluctuations in total cross section of Fe for 1- to 2-MeV neutrons, 25:53702
  - Intermediate structures in total neutron cross-section of Gd, 23:19306
  - Total neutron cross section of Gd for 16- to 19-MeV neutrons, 23:25921
- ISLAM, Fakhrul Genetic variation and its influence on protection by L-cysteine against gamma radiation, 21:34713
  - Mutagenic effect of irradiated media on E. coli, 25:42755
- ISLAM, G. S. K^{*-}(890) production in reaction anti Kd $\rightarrow$ π^-p K^0/sub n/, 25:40899
  - Partial wave analysis of reaction $K^-n \rightarrow \pi^-\Lambda$, 24:51965
  - Theory of partial waves and its application, 25:41023
- ISLAM, H. Thickness gauge using β-source, 23:2683
- ISLAM, Habilbul Radioisotope measurements of ground water velocities, 24:9518
- ISLAM, J. N. Field equation in neighborhood of particle in conformal theory of gravitation, 24:3766
  - Field equations in the neighbourhood of a particle in a conformal theory of gravitation, 22:53029
  - Green function formulation of Dirac field in curved space, 21:2067
- ISLAM, Jamal N. Conformal frames and field equations in a conformal theory of gravitation, 24:26502
  - Conformal theory of gravitation, 21:44242
  - General relativistic inequalities for star in hydrostatic equilibrium. II, 24:25844
  - Neutral stability against convection in general relativity, 25:6971
  - Relativistic inequalities for star in hydrostatic equilibrium, 24:6301
- ISLAM, M. M. Bethe's formula for Coulomb-nuclear interference, 22:3464
  - Eikonal approximation and Mandelstam diagram, 25:59629
  - Energy dependence of the deuteron diffuseness parameter, 22:9978
  - Hadronic and electromagnetic structure of the proton, 23:23503
  - High-energy hadron—hadron scattering in optical-model and S-matrix descriptions, 24:45552
  - High-energy pp scattering and hadronic structure of the proton, 23:23502
  - High-energy pp scattering and proton substructure, 23:16969
  - High-energy pp scattering and proton substructure. IV, 24:8671
  - Impact parameter description of high-energy scattering, 22:9700 (NYO-2262-TA-165)
  - Impact parameter description of high energy scattering, 23:15014
  - Isobaric analogue states in ^{90}Zr, 21:25530
  - Isobaric analogues of states in ^{90}Zr, 21:7795
  - Optical model for the S-matrix approach to high-energy pp scattering, 23:23504
  - Optical-model, high-energy p—p scattering and structure of the nucleon, 21:21258
  - p—p scattering at 90° and hadronic structure of the proton, 21:33717
  - Phase shifts π—N from particle exchanges and elastic unitarity, 21:5389 (NYO-2262-103)
  - Regge cut as optical potential in high-energy large-angle pp scattering, 24:21995
  - Relativistic eikonal amplitude and radiative corrections, 25:59453
  - Shrinking, nonshrinking, and expanding diffraction peaks, 21:19009
- ISLAM, M. S. Genetics and biochemical characterization of sterility mutants in Neurospora crassa, 25:46780
  - Geometry of cosmic radiation neutron intensity monitor of I.G.Y. design, 21:1577
- ISLAM, Mazharul Bound state eigenvalue programme for real potentials, 21:19164 (AECD/TP-16)
- ISLAM, Md. Mozaharul Pion—nucleon coupling constant from spin-flip dispersion relation, 22:32166
- ISLAM, Mizanul Nuclear structure, 22:16092
  - Prog. rpt., annual, 7/68—6/69, 24:36639 (AECD/MISC-2)
- ISLAM, Mozaharul Bound-state eigenvalue calculation, 21:38218
  - Phase shift calculations for real and realistic potentials, 21:17134 (AECD/TP-15)
  - Phase-shift calculations for real and realistic potentials, 21:37835
- ISLAM, N. Measurements of the total neutron cross section of praseodymium between 1 and 18 MeV, 25:59811

- ISLAM, Nurul Gamma rays following neutron inelastic scattering from ^{51}V, 22:26941
- ISLAMBEKOV, R. K. Autoantibodies in patients treated with ^{131}I, 24:46675
- ISLAMOV, A. A. Half-life of high-excitation states of ^{62}Ni, ^{114}Cd, and ^{208}Pb, 22:7726
  - Nuclear resonance fluorescence of ^{152}Sm: nature of the 963 keV (1$^-$) level, 21:17365
  - Nuclear resonance fluorescence of highly excited states of ^{62}Ni, ^{114}Cd, and ^{208}Pb, 21:46698
  - Resonance scattering of γ quanta by ^{28}Si, ^{60}Ni, and ^{64}Zn, 21:21506
- ISLAMOV, B. I. Reaction (^{3}He,α) on Ni isotopes, 24:10981
  - Reaction (^{3}He,α) on nuclei with 1d—2s shell, 25:14944
- ISLAMOV, M. F. Regularizing set off equations for process $\pi + N \to 2\pi + N$, 21:35514
- ISLAMOV, Sh. U. Effect of the structure of mono- and bifunctional azo compounds on the analytical properties of yttrium and rare earth complex compounds, 25:34528
- ISLAMOV, T. Neutron-activation determination of Re in Mo concentrates, 22:37680
  - Preparation of radioactive carrier-free rhenium from proton-irradiated tungsten, 23:2360
  - Quantitative determination of two-component mixture of radionuclides, 23:26192
  - Radioactivation determination of rhenium by using ampoule neutron sources, 23:2196
  - Rhenium determination by neutron-activation methods, 22:21038
  - Rhenium determination by radioactivation analysis using ampule neutron sources, 22:4031
- ISLAMOV, T. A. Conversion electrons of ^{164}Ho and levels of ^{164}Dy, 23:47004
  - Excited states of deformed nuclei with 93, 95, and 97 neutrons. II, 24:49857 (JINR-P6-5132)
  - Gamma-spectra for chain ^{134}Ce $\to$ ^{134}La $\to$ ^{134}Ba, 25:25765
- ISLAND, Donald P. ACTH radioimmunoassay, 23:11954 (CONF-671111-, pp 251-72)
- ISLANDER, S. Specific heat of liquid ^{3}He/^{4}He mixtures, 23:30510
- ISLANKINA, N. F. High compression of beryllium crystals, 24:14772
- ISLAS, C. Nuclear techniques in the Mexican textile industry, 24:39148 (PRNC-135, pp 383-6)
- ISLER, R. C. Excitation of Ar I and He I in low-energy He$^+$ + Ar collisions, 24:37228
  - Polarization of H/sub α/ line produced in He$^+$ + H$_2$ collisions, 25:35862
  - Rocket studies of far-ultraviolet radiation in an aurora, 22:31703
- ISLER, Robert Investigation committee report of nitrate resin bed accident at Brookhaven HFBR, 22:32962 (BNL-12460)
- ISLER, W. Remarks on the panel discussion "the acute radiation syndrome, its medicomilitary and public health statistical significance", 21:8941
- ISLEY, William C. Design and demonstration of a radioisojet, 22:33612
- ISLITZER, Norman F. Diffusion and transport experiments, 22:45194 (TID-24190, pp 117-88)
- ISLOOR, J. D. High resolution studies of the Sun at a frequency of 612 Mc/s, 21:3570
  - Radio observations of the quiet sun at 49 cm, 21:11356
  - Slowly varying component and bursts at 612 Mc/s, 23:36435
- ISMACHIN, M. Laboratory activities on food irradiation in Indonesia, 25:52276 (A/CONF.49/P-115)
- ISMAGILOV, Z. R. Kinetic isotopic effect of the oxidation of hydrogen on ferric oxide, 25:18386
- ISMAIL, A. Z. M. Loading of nuclear research emulsions with diamond crystals, 21:6208
- ISMAIL, F. T. Prog. rpt. on exchange of interlayer cations in micaceous minerals, annual, 9/30/69—9/30/70, 25:3943 (COO-1680-10)
- ISMAIL, H. Sputtering yield and secondary emission for metallic targets bombarded with Hg$^+$ ions, 25:13971
- ISMAIL, I. A. Determination of Ti and Zr, 23:28702
- ISMAIL, M. Equilibrium distribution of Y ions, 24:31465
  - Preparation and properties of lanthanide complexes of some β-diketones, 23:35068
  - Study of low-lying levels of ^{27}Mg by angular-correlation measurements in reaction ^{26}Mg(d,pγ)^{27}Mg, 24:10954
- ISMAIL, Y. M. Three-nucleon stripping processes, 21:38392
- ISMAILOV, B. I. Comparative radiosensitivity of ascites ovarian tumors and ascites lymphosarcoma of rats, 25:42637
  - Content of protein SH-group in tumors of different radiosensitivity in norm and after irradiation, 25:42618
  - Contents of sulfhydryl groups in two ascites tumors of different radiosensitivity, 24:34127
  - Cytological analysis of radiosensitivity of ascites tumors ovary and Pliss lymphosarcoma rats, 24:34701
  - Histochemical peculiarities of radioresistant and radiosensitive tumors, 24:32234
  - Radiosensitivity analysis of two ascites tumors by the criterion of post-radiation inoculability, 24:34699
  - Radiosensitivity of tumors in connection with their morphological and chemical heterogeneity and proliferation speed, 24:34700
  - Relationship between level of endogenous sulfhydryl groups and radiosensitivity of tumors, 25:29610
- ISMAILOV, E. Sh. Effect of microwaves on Opalina ranarum, 21:11148
  - Influence of pulsed microwaves on Opalina ranarum, 23:50827
- ISMAILOV, F. I. Effect of repeated gamma radiation on yield [of cotton], 21:36753
- ISMAILOV, S. A. Microwave-frequency dielectric properties of divalent europium oxides, 22:44257
- ISMAILOV, Sh. I. Thermal destruction of F centers and dielectric losses in NaCl and KCl crystals, 23:5455
- ISMAILZADE, I. G. Study of the effect of accelerated electrons on the structure of polycrystalline barium titanate, 22:29588
- ISMATOV, E. Deuteron scattering in nuclear matter, 22:39705
  - Diffraction interaction of light nuclei, 21:21465
  - Diffraction interaction of light nuclei with nuclei, 22:53130
  - Excitation of-collective nuclear levels in inelastic deuteron scattering, 22:13956
  - Influence of semitransparency and diffuseness of the nuclear boundary on angular distributions in particle scattering, 21:2767
  - Polarization phenomena in diffraction interaction of ^{6}Li with nuclei, 21:27646
- ISMATOV, E. I. Break-up of lithium nuclei, 23:37119
  - Inelastic scattering of fast electrons by light nuclei, 25:50836
- ISNAENI, M. Laboratory activities on food irradiation in Indonesia, 25:52276 (A/CONF.49/P-115)
- ISO, Akio Velocity distribution function for electrons in the ionosphere. I, 24:30233
- ISO, C. Dual model for diffractive two-pion electroproduction, 25:12137 (DESY-70/56)
  - Pion electroproduction and choice of frame in the vector meson dominance model, 24:28502 (DESY-70/11)
  - Pion electroproduction and choice of frame in the vector meson-dominance model, 25:1464
- ISO, Chikashi General relations between photoproduction of pions and vector meson production by πN collision based on the photon—vector-meson analogy model, 22:39323
  - Photon—vector-meson analogy model and pion electroproduction, 23:42598
  - Photon-vector-meson analogy model, 23:25557
  - Relation between charge-exchange and quasi-elastic scattering and dynamics of multiple meson production in high energy region, 21:13699
  - Relations between photoproduction of hadrons and vector-meson production by meson—nucleon collisions, 22:46366
- ISO, Shuichi Temperature dependence of gases released from UO$_2$ pellets with polyvinyl alcohol binder, 24:46232
- ISO, Y. Containment design and study for the fast critical assembly of JAERI, 22:18561
- ISO, Yasuhiko Optimum planning for radiation facilities, 25:2390
  - Properties of heat resisting concrete for neutron shielding, 25:19295
- ISOARDI, A. First experimental evaluations of radiosensitizing effect of a new group of cytostatic drugs: methylhydrazine derivatives, 21:22521
- ISOI, Koichiro Study on detection methods of ^{14}C-labelled compounds, 25:57752
- ISOJIMA, Shinzo Radioimmunoassay using an immunoadsorbent of polymerized anti-HCG, 24:4546
- ISOLA, Aulis Exposure of radiological employees in Finland, 1965—67, 23:29504 (SFL-A-11)
  - Portable survey meter for low-level radiation measurements, 21:34474 (SFL-A-10)
  - Radiation protection regulations, 24:41903
  - X-ray examinations in Finland, 23:14189
- ISOME, S. Clinical experience with a water-soluble adrenochrome derivative (AC-17) in the prevention of radiation injury, 21:34723
- ISON, A. E. Photosensitive dermatitis from soaps, 22:43426
- ISON, Arnold E. Delayed reactions in positive photopatch tests to halogenated salicylanilides, 22:15035
- ISON, H. C. K. Corrosion and its prevention in waters, 23:14303
- ISONO, Eiji History of the acoustic emission method: a new tool for NDT, 25:48770 (RFP-Trans-79)
- ISONO, Hideo Neutron activation analysis of industrial products. II, 25:31869
- ISONO, K. Physical study of solid precipitation from convective clouds over the sea. I, 21:16019
- ISONO, M. Kinetics of the addition of substituted benzenesulfinic acids to p-benzoquinone, 24:18976
- ISOPESCU, I. Gamma-radiation activity on immunizing, protective, or significant values in biological products, 22:8669
- ISOUM, M. Lack of photoreactivation in human cells grown in vitro, 25:13377
  - Photosensitizing effect of trisoralen on DNA synthesis, 25:26808
- ISOUN, M. Sunlight-induced dimers in human cells in vitro, 25:16044
- ISOYA, A. Beam injection system for the terminal ion source of the electrostatic generator, 25:20204
  - Chain and inductive charging system of electrostatic generator, 25:7787
- ISOYA, Akira PIG ion source of (^{3}He)$^{++}$ for the van de Graaff accelerator, 22:41910
- ISOYA, Toshiro G values of methyl radical in the radiolysis of paraffin, 21:19705
  - G values of methyl radical in the radiolysis of paraffine, 22:8108 (AEC-tr-6908, pp 198-200)
- ISOZAKI, Osamu Field construction-assembly works for DCA, 25:23351
  - Heavy-water critical assembly, 25:18197
- ISOZAKI, Susumu Intensity decrease of vlf hiss associated with sc of 9/3/66, 22:24143
- ISOZUMI, Y. Observation of nuclear Raman scattering by ^{181}Ta, 21:38350
- ISOZUMI, Yasuhito K-shell internal ionization accompanying beta decay, 25:50770
- ISPAS, M. Instrumental neutron activation analysis of some new standard rocks, 25:54464
- ISPAS, Maria Instrumental neutron activation analysis of some German and Czechoslovakian rock standards, 25:51408 (IFA-NR-34)
- ISPENKOV, E. A. Ring focusing collimators for scanning, 21:30859
- ISPIRIAN, K. A. High energy particle identification by x-ray transition radiation (XTR) detectors, 25:10877
- ISPIRYAN, K. A. Concerning the transformation of photon pairs into hadrons at high energies, 22:34918
  - Density effect in bremsstrahlung of 600-MeV electrons, 21:43793
  - Detection of high energy particles using transitional radiation, 24:2495
  - Experimental investigation of transition radiation and the possibility of exploiting it to measure the energy of fast particles, 23:39653
  - Measuring the energy of relativistic particles by means of transition radiation, 23:27759
  - Polarization phenomena in $\gamma\gamma \to e^+e^-$ reaction and its possible experimental study, 24:42865
  - Possible way of measuring the energy of relativistic particles by means of transition radiation, 23:7791 (NP-tr-1717)
  - Radiation of relativistic electrons in lamellar media, 21:26986
  - Resonance radiation of electrons of energy up to 600 MeV in a layered medium, 21:3854
  - Spectral distribution of transition radiation of relativistic electrons, 24:20041
  - Ultrahigh-energy particle detector using transition x radiation, 24:48321
- ISRAEEL, G. W. New method of continuous measurements of Rn (^{222}Rn) and thoron (^{220}Rn) in the atmosphere, 21:6070
  - Results of continuous measurements of radon and its decay products in the lower atmosphere, 21:6076
- ISRAEEL, Gerhard W. Meteorological influences on the ^{220}Rn content of the atmosphere, 21:6075
- ISRAEEL, H. New method of continuous measurements of Rn (^{222}Rn) and thoron (^{220}Rn) in the atmosphere, 21:6070
  - Results of continuous measurements of radon and its decay products in the lower atmosphere, 21:6076
- ISRAEL, H. Atmospheric electricity. I, 25:9286 (TT-67-51394/1)
  - Atmospheric radioactivity and exchange, 21:41029
  - Climatological aspects of natural radioactivity, 21:45252
  - Radon ^{222}Rn and thoron ^{220}Rn in soil air over faults, 21:36118
  - Sunrise effect in the long wavelength range, 21:15037
  - Tracing atmospheric eddy mass transfer, 24:25137
- ISRAEL, H. I. Comparison of detectors used in measurement of 10 to 300 keV x-ray spectra, 25:15900
  - DTF shielding calculations at 800 MeV, 24:45636 (CONF-691101-, pp 341-8)
- ISRAEL, Hans Absorption of natural fallout in soil, 21:45240
  - Trace gases and suspended matter in the air, 22:16711
- ISRAEL, Harvey I. Bremsstrahlung emission measurement from thick tungsten targets in energy range 12 to 300 kV, 25:36249 (LA-4624)
  - Photon cross sections from 0.001 to 100 MeV for elements 1 through 100, 22:5869 (LA-3753)
  - Photon cross sections from 1 keV to 100 MeV for elements $Z = 1$ to $Z = 100$, 25:14409
  - X-ray spectral distributions from thick W targets in energy range 12 to 300 kV, 25:45521 (LA-DC-12468)
- ISRAEL, Lucien Thyroidectomy by ^{131}I in patients with respiratory insufficiency, 21:11106
- ISRAEL, M. Reprocessing fuel elements, 24:294
- ISRAEL, M. H. Large-area pulse ionization chamber for measurement of extremely heavy cosmic rays, 25:49003
  - Propagation of very heavy primary cosmic ray particles, 24:23829 (CONF-690814-9)
- ISRAEL, Martin H. Albedo electrons between 12 and 1000 MeV, 23:27446 (N-69-15723)
  - Cosmic-ray electrons in 1967, 23:44209
  - Electron flux near the polar cap, 23:44329
  - Flux of cosmic-ray electrons between 17 and 63 MeV, 22:26269
  - Primary cosmic-ray electrons between 17 MeV and 1 GeV in 1967, 23:27394 (N-69-15815)
- ISRAEL, Martin Henry Primary cosmic-ray electrons and albedo electrons in 1967 at energies between 12 and 1000 MeV, 24:6400
- ISRAEL, Mathieu Studies of physical characteristics and utilization of fuel used in EDF graphite gas natural uranium reactors, 22:24982
- ISRAEL, S. Critical bubble size in sodium-bonded ceramic fuels, 22:4910
  - Heat flux measurements in BWR fuel assembly, 23:52345
  - Reprocessing fuel elements, 24:294
- ISRAEL, S. L. Performance evaluation of heat exchangers for Na-cooled reactors, 23:40920 (UNC-5236)
  - Prog. rpt. on evaluation of heat exchangers for sodium-cooled reactors, 4—6/68, 22:44840 (UNC-5221)
  - Prog. rpt. on heat exchangers for Na-cooled reactors, 4—6/67, 21:35590 (UNC-5182)
  - Prog. rpt. on heat exchangers for Na-cooled heat exchangers, 7—9/67, 22:10441 (UNC-5189)
  - Prog. rpt. on heat exchangers for sodium-cooled reactors, 1—3/68, 22:32788 (UNC-5213)
  - Prog. rpt. on performance evaluation of heat exchangers for Na-cooled reactors, 1—3/67, 21:25637 (UNC-5174)
  - Prog. rpt. on performance evaluation of heat exchangers for sodium-cooled reactors, 10—12/67, 22:20823 (UNC-5200)
  - Thermal conductivity of hydrogen from 2,000 to 4,700°F, 21:36253
  - Thermal properties of W to 5000 deg F, 21:11217 (N-66-19519)
- ISRAEL, W. Event horizons and gravitational collapse, 25:55803
  - Gravitational bounce, 21:46446
  - Gravitational collapse and causality, 21:14936
  - Gravitational collapse of a radiating star, 21:13343
  - Gravitational collapse with asymmetries, 24:15048
  - Maximum efficiency of energy release in spherical collapse, 24:37568
  - Model for pulsed radio sources, 22:34191

Possible instability in the self-closure phenomenon in gravitational collapse, 22:900
Pulsar condition in white dwarf stars, 22:41145
Singular hypersurfaces and thin shells in general relativity, 21:3956
Transport coefficients of a relativistic quantum gas, 25:2873
ISRAEL, Werner Event horizons in static electrovac space—times, 22:34216
Event horizons in static vacuum space—times, 22:11732
Source of Kerr metric, 24:45597
Spinning shell as a source of Kerr matric, 22:37194
ISRAEL, Yecheskel Conductometric end-point detection in the titration of fluoride and fluosilicic acid with thorium nitrate, 21:2942
ISRAELI, J. /sup 133m/In scanning for visualizing and evaluating giant intracranial aneurysm postoperatively, 25:21756
ISRAELSON, H. Ground motion and atmospheric pressure waves from nuclear explosions, 25:48688
ISRAELSSON, M. Transition temperature in V_1-/sub x/W/sub x/O_2, 24:6279
ISRAELSSON, Mats Crystal structure of monoclinic wolfram vanadium oxide, $W_3V_5O_{20}$, an OD structure related to R-Nb_2O_5, 24:32507
Phase relations in the VO_2—WO_2 system, 24:12481
Structure of W—V oxide, $(W_{0.35}V_{0.65})_2O_5$, 23:22569
ISRAELYAN, A. A. Variability of western equine encephalomyelitis virus. I, 21:45601
ISRAILEV, I. M. Cross sections for the absorption of x rays by uranium and thorium, 22:29208
ISRAILI, A. H. Adsorption of cations from formic acid solutions on strong acid cation-exchange resin, 22:45069
Separation of metal ions on tin(IV) tungstate and selenite papers, 23:24279
ISRAYLEVA, N. I. Interaction of pulsed radio waves in the ionosphere. ii, 25:22436
ISSA, M. A. A. Anomalous nuclear resonance behavior of ^{59}Co in $GdCo_2$, 25:33471
ISSABAYAEV, E. A. Isotopic composition of uranium and the content of actinium in minerals and natural waters, 25:34738
ISSAR, S. C. Acquired radiation resistance in Sesamum, 21:30923
ISSEL, W. Nuclear characteristics of equipment of Karlsruhe reprocessing plant, 21:32231
ISSEL, Wolfgang Engineering technology principles in the reprocessing of nuclear fuels, 24:31574
Germany's first reprocessing plant in Karlsruhe, 24:9567
ISSEROW, S. Newer techniques in the fabrication of refractory and reactive metal tubing, 24:44679
Specification and procurement of CP-5 fuel tubes, 25:18167 (ANL-7708)
Structures of uranium extruded high in the alpha phase, 21:16615
ISSEROW, Saul Casting of Zircaloy—U cores for HWCTR driver tubes, 21:24736
Fabrication of tungsten and tungsten—25 percent—rhenium tubing, 21:11202
ISSERSTEDT, J. Optical spiral tracers and galactic structure, 25:13920
P Cygni and stellar ring 274, 25:9036
Photoelectric studies of nearby stellar ring in Aquila, 23:51327
Photometric investigation of the stellar ring 373, 24:46863
ISSHIKI, Naotsugu Performance and critical heat flux in water-cooled marine reactors, 21:10195
ISSHIKI, Sadabumi Radiographic testing in Japan in 1968, 24:31634
ISSINSKII, I. B. Acceleration and ejection of deutrons of Dubna Synchrophasotron, 25:50544
Acceleration and extraction of deuterons from the JINR proton synchrotron, 25:12303 (JINR-P9-5442)
Measurement of topography of synchrophasotron magnetic field of JINR, 21:985 (JINR-P-2818)
Removal of nonlinear effects in deflecting magnets, 21:11893
Resonant extraction of the proton beam from Dubna synchrophasotron, 22:32287 (CEAL-2000, pp 336-42)
ISTATKOV, S. Assimilation and distribution of radioactive phosphorus in plants of inbred maize lines and in their hybrids, 22:45453
ISTATKOV, Ts. G. On the $\mu^+ \rightarrow e^+\tau$/sub e/anti τ/sub μ/ e^+e^- decay, 25:50108 (JINR-P2-5904)
ISTOMIN, I. N. Collisionless heat wave, 25:14317
ISTOMIN, L. F. TV system used for observations of faint variable stars, 25:35639
ISTOMIN, Ya. N. Collisionless heat waves in plasma, 25:45518
ISTOMINA, A. G. Biological effect of tritium oxide in organism, 23:43860
Biological effect of tritium oxide, 23:22362 (AEC-tr-6944, pp 235-41)
Control of contamination of surfaces with tritium oxides, 21:45633
Problem of relative biological efficacy of tritium oxide, 25:13551
Transfer of tritium oxide from mother to fetus of rats, 23:18039
ISTRATOIU, Rodica Electron paramagnetic resonance investigations of some irradiated unsaturated compounds, 22:16609
EPR spectra of some gamma-irradiated N-substituted maleamic acids and maleimides, 23:223
ESR-studies of the mechanism of radiosensitization. Action of N-ethylmaleimide on irradiated sulfhydryl compounds, irradiated DNA, and irradiated nucleotides, 25:44789
ISTVAN, Peter Engineering facilities for the irradiation in the VVR-SZ reactor in Budapest, 22:12119
ISUPOV, V. K. Formation of XeO_3 during β decay of ^{131}I in some periodite solutions, 22:21119
Internal ionization in β decay of ^{131}I, 25:31316
Use of xenon difluoride for the synthesis of labeled periodates, 22:4227 (ANL-Trans-538)
Utilization of thin-layer chromatography for separation of xenon trioxide from the oxygen-containing compounds of iodine, 25:15693
ISUPOVA, E. N. Investigation of system HfO_2—Sm_2O_3 in solid phase in region rich in hafnium dioxide, 22:28946
Reactions in the systems Al_2O_3—Nb_2O_5 and Al_2O_3—Ta_2O_5, 25:40124
Study of system Gd_2O_3—HfO_2 in region rich in hafnium dioxide, 23:8331
Study of Y_2O_3—HfO_2 system in hafnium dioxide-rich region, 24:14937
ISUPOVA, L. S. Radioprotective effects of β-mercaptoethylamine hydrotartrate, 24:17066
ISUPOVA, M. I. Separation of V, Mo, W, and Nb from fluoride solutions, 23:49698
ISVORANU-PANAIT, C. Spectrophotometric study of the reaction between U(VI) and 8-hydroxy-7-iodoquinoline-5-sulfonic acid: determination of U, 21:35
ITABASHI, K. Fixed-pole effects on exchange-degenerate Regge residues and cross-over phenomena, 25:30878
Modified interference model for πN scattering, 23:18907
Partial-wave analysis of the Regge amplitudes for πN scattering, 23:18908
ITABASHI, Kiyomi Lorentz covariant chiral U(6) X U(6) scheme of baryon—meson interactions, 21:13720
Non-zero mass gauge condition and Veneziano model, 24:42948
Nonleptonic hyperon decays in covariant Chiral U(6) x U(6) scheme, 23:39671
Pseudoscalar—vector scattering and the nonet scheme, 24:13063
SU(6)-representation mixing in covariant chiral U(6) x U(6) scheme of baryon—meson interactions, 22:32192
ITAGAKI, Gentaro Effect of x-rays on male germ cells in the mouse, 25:11276
Sensitivity of male germ cells in mice to x irradiation, 22:15088
ITAGAKI, Kimio Measurements of heats of mixing in liquid gold binary alloys, 25:35432
Mesaurements of heats of mixing in liquid copper binary alloys, 25:35433
ITAGAKI, Shinjiro Decay of ^{130}Cs, 24:20405
Decay of ^{86}Rb and ^{142}Sm, 24:20364
Decay of 14-min ^{112}In, 25:28406
Decay of relatively-short lived nuclides, 24:49868
Level structure of ^{120}Sn, 24:20396
ITAGAKI, Takehiko Some properties of tungsten—rhenium alloys, 25:13682
ITAHASHI, T. Elastic and inelastic scattering of alpha particles from ^{40}Ar, 22:27020
ITAHASHI, Takahisa Excited states in ^{40}Ar from inelastic alpha-particle scattering, 24:35858
High excited levels of ^{27}Al, 25:3600
Lifetime measurements of excited states in ^{19}Ne and ^{23}Mg, 25:59719
Reactions (d,α) on ^{40}Ca and ^{40}Ar, 25:38953
ITAKURA, Akiyoshi Spectral width of plasma oscillations, 24:30318
ITAKURA, Hideko Effect of ultraviolet irradiation on the sulfhydryl content of mouse melanoma, 22:36182
Enzyme inactivation by ultraviolet irradiation and protective effect of melanin in vitro, 21:30787
ITAKURA, K. Radiation from a magnetic line source in a moving isotropic plasma, 24:21805
ITAKURA, Kiyoyasu Analysis of radiation in moving plasma, 24:1412
Focusing lens for electromagnetic waves, 21:20937
Scattering of electromagnetic waves by a moving cylinder with coating plasma, 23:51739
ITAKURA, T. Management of effluents from JAPC's nuclear power stations, 25:28624
ITAKURA, Tadashi Radiochemical studies on some micro-components of mineral spring water and sinter deposit in Ishikawa Prefecture, 22:50941
ITAKURA, Tetsuro Conditions for selection of the site of atomic power plants, 22:14157
Conditions of location of nuclear power stations, 23:33017
Requirements for nuclear power reactor siting, 22:14151
ITAMI, Hiroharu Compatibility of tantalum with uranium monocarbide at high temperatures, 24:42130
ITAMI, Yasundo Treatment of malignant osteoncus with radiotherapy, 23:50797
ITANI, Salim Mohammed Chromatographic separation and spectrophotometric determination of uranium, 24:38710 (IS-T-385)
ITARD, J. Gamma-irradiation test on Glossina morsitans morsitans, 24:34811
Sterilization of Glossina tachinoides males by irradiation, 24:32309
Techniques for labelling tsetse flies with radioisotopes, 25:29417
ITATANI, Hiroshi Radiation-induced cis and trans isomerization of polyisoprenes and temperature dependence of the equilibria, 22:10293
ITATANI, Norio New range measurement of swift electrons without bremsstrahlung effect, 24:32614
ITATANI, R. Drift waves in a cesium plasma, 25:33349
Suppression of a two-stream interaction in a beam—plasma system by external ac electric fields, 22:11432
Suppression of drift wave in a Cs plasma, 23:32519
ITATANI, Ryohei Average minimum-B field produced by spherical-coordinate scalar potential, 23:32488
Behaviour of ohmically heated plasma, 23:32399
Dependence of plasma confinement on the properties of magnetic configuration and plasmas in JIPP stellarator, 25:38374 (CONF-710607-107)
ITAYA, Mitsuo Even-parity states of ^{16}O, 25:28191
Shell model studies of 1f,2p-shell nuclei. II, 21:4358
ITENBERG, L. E. Luminescence of LiF crystals by excitation from reactor radiation, 24:18017 (ANL-Trans-810)
ITIER, Joseph Continuous purification of sublimable substances, 24:9280
ITIKAWA, Y. Slow-electron scattering by strongly polar molecules, 21:24941
ITIKAWA, Yukikazu Differential cross section for vibrational excitation of CO by slow-electron collision, 24:23784
Elementary processes involving electrons in the ionosphere, 25:11810
Nonresonant vibrational excitation of CO_2 by electron collision, 25:14028
Resonance in elastic scattering of slow electrons by He, 24:15154
Rotational excitation of interstellar CN molecule, 23:41827
Rotational excitation of molecules by slow electrons, 25:11730
Scattering of slow electrons by polar molecules, 22:15367
Vibrational excitation of CO by slow-electron collisions, 24:3181
ITKIN, I. Effect of new cross-section data on calculated neutron captures in hafnium control rods, 22:33147
Evaluated cross sections for the hafnium isotopes, 22:16012 (KAPL-3327)
Evaluation of resonance integral correction factor, 21:9908
ITKINA, M. A. Determination of electron density profile in the D-region using frequency dependence of absorption, 25:1081
Electron concentration profile in the D layer of the ionosphere, 23:10569
Frequency dependence of abnormal ionospheric absorption in auroral zone, 23:3384
Frequency dependence of anomalous cosmic noise absorption in the ionosphere in the auroral zone, 24:12746
Relationship between electron density profile in D region and radio-wave absorption in ionosphere, 25:33142
ITO, A. Atomic energy center and industrial complex, 24:24898
Comparison of elastic positron—proton and electron—proton scattering cross sections, 22:3240
Evaporation characteristics of iron—nickel alloys, 24:31216 (UCRL-Trans-10465)
Leukemogenic effects of ^{90}Sr and x-rays, 23:33871
Moessbauer study of $FeCl_3 \cdot 4H_2O$ in the temperature range 4.2° to 0.025°K, 22:17767
Photoproduction of π^0 mesons from H at 180°, 22:48210
Polymerization of trioxane, 22:51033
π^{+-} photoproduction in forward direction, 24:21911
Radiation-induced postpolymerization of trioxane in solid state, 21:43005
Radiation-induced solid-state polymerization of trioxane, 24:13926
Resistivity and penetration depth in superconducting thin films, 23:20871
ITO, A. S. Positron—proton elastic scattering at 800 and 1200 MeV, 22:20115
ITO, Akihide Effects of introducing nuclear energy into the aluminum industry, 25:19184
ITO, Akihiko Acetylation of polyoxymethylene prepared by radioinduced polymerization of trioxane, 24:31390
Method for the stabilizing of polyoxymethylene using high energy radiation and acetic anhydride, 25:21024
Physical properties of polyoxymethylene prepared by postpolymerization of trioxane, 24:31322
Radiation-induced polycondensation of furfural in the presence of alkyl halide, 25:18430
Radiation-induced polymerization of tetraoxane in the solid state, 25:23601
Radiation-induced postpolymerization of trioxane in the solid state. II, 25:10611
Radiation-induced solid-state polymerization of trioxane under high pressure, 25:23603
Radioinduced polymerization of trioxane, 24:31388
Radioinduced polymerization of trioxane, 24:31389
ITO, Akihiro Decay widths of resonances and composite model, 25:3405
Effect of partial marrow shielding on hematopoietic recovery, 23:43861
Effect of partial marrow shielding on hematopoietic recovery in heavily irradiated mice, 25:58124
Effect of thymectomy in modifying the immunological reactivity of xenogeneic radiation chimeras, 23:22237
Induction of tumors with combined treatment of head x irradiation and ^{131}I in rats, 22:43452
Role of the mouse lymphoma virus of Moloney in induction of myeloid leukemia by x-irradiation, 21:34781
Universality of quark interactions, 25:40962
ITO, Albert Shunji Photoproduction of eta mesons in the forward direction, 25:14522
ITO, D. Example of dynamical systems with linear trajectory, 22:3296
ITO, Daisuke Composite system with linear trajectory, 22:5521
ITO, Eigen Experimental data accumulated to date on the electric polarizability of neutrons, 23:40031 (KURRI-TR-12, pp 3-17)
ITO, F. Influence of synthetic detergent on treatment of radioactive waste according to precipitation method, 22:40159 (KFK-tr-229)
ITO, Fumio Radioactive waste disposal at the Laboratory for Radiation Medicine, 23:16067 (KURRI-TR-9, pp 11-24)
ITO, Goro Effect of Zr addition on the oxidation resistance and mechanical properties of Fe—Al—Cr alloys, 25:13680
Oxidation by CO_2 gas of high tension steels for gas-cooled power reactors, 23:969
Studies on the corrosion of boron stainless steel in high temperature water, 21:30965
ITO, H. Design and construction of PIACE, 25:30587 (EUR-4593, pp 431-41)

  Effect of storage on microorganisms of gamma-irradiated rice, 25:47081
  Present status of postirradiation examination facility, 25:4298
  Present status of postirradiation examination facility of JAERI, 25:51780
  Production of high-energy polarized gamma-rays from an electron synchrotron with amorphous radiator, 22:29202
ITO, Haruo Vibration due to a gas flow in gas-cooled reactor, 25:23230
ITO, Hideaki Spectrophotometric determination of Te in Fe and steel, 24:38728
ITO, Hideo Effects of γ irradiation upon milk and milk proteins. I, 21:28356
ITO, Hideyuki Superconducting critical current of Nb—Zr alloy wires, 24:29971
ITO, Hiroshi Behavior of a charged particle in a cusp field, 21:2201
  Behavior of a charged particle in a cusp field. II, 21:16901
  Gas chromatography of uranium hexafluoride at low temperatures, 22:21034
  Impedance of an antenna in anisotropic plasma, 23:18637
  Low-temperature sintered tungsten and its application, 25:45027
  Properties of oxidation resisting W. I, 23:46014
  Properties of oxidation-resisting tungsten sintered compact. II, 24:42104
  Sintering process for Ni—P alloy coated W, 25:35354
  Sintering process of Ni—P alloy coated W, 25:29793
  Study of a conical electrode plasma gun, 21:2267
ITO, Hiroyuki Turbine generators for nuclear power stations, 25:46583
ITO, Hisaaki Autopsy cases of uterine cancer with reference to effects of irradiation, 21:45792
ITO, Hisanori Changes of physical and mechanical properties of graphite in the Tokai Nuclear Power Station, 25:32861
  Heat treatment temperature of graphite, 24:10162
ITO, Hitoshi Effect of gamma irradiation on the microflora of rice, 23:29930
  Fermentation processes, 24:20832
  Gamma-irradiation effect on microflora of rice, 22:43505
  Method for solving the Nambu—Salpeter—Bethe equation, 21:27384
  O(4) symmetry and relativistic composite model, 24:43006
  Studies on microorganisms of cereal grain. X, 24:27726
  Studies on microorganisms of cereal grain. XI, 25:47072
  Studies on the microorganisms of cereal grain. IX, 22:49666
  Zero-energy bound states of two Dirac particles, 24:49548
ITO, Hitosi Effect of gamma irradiation on strawberries and the lethal dose for Botrytis cinerea, 22:8667
ITO, I. Characteristics of an UHV chamber, 22:16853
ITO, Iwao Catheter semiconductor radiation detector, 24:12193
ITO, K. Cold incubation method in ^{131}I—T3 resin sponge uptake test, 24:29650
  High temperature type solid electrolyte fuel cells, 21:27033 (NP-tr-1526)
ITO, Katsukiyo Gamma induced polymerization of 1,1,2-trichlorodienes, 23:33239
  Gamma-induced polymerization of fluorine-containing pentadiene, 25:41848
  Gamma-ray-induced polymerization of fluorine-containing pentadiene, 25:34633
  Radiation-induced polymerization of 1,1,2-trichlorobutadiene, 24:2246
ITO, Kazuro Hematological effects of 14.1-Mev neutrons in mice, 21:8967
  Mechanism of radiation protection and recovery using spleen shielding, 22:31228
ITO, Keiemon Changes in reticuloendothelial activity during preoperative irradiation of gastric cancer, 23:48243
ITO, Keizo Technique of obtaining isodose curve from film dosimetry, 25:24170
ITO, Kensai Fissionability of heavy nuclei, 25:31417
  High-energy radiation accompanying the solar flare, 25:24787
ITO, Kohei Nuclear reactions with electron beams by stacked foil method, 24:20325
  Reaction ^{27}Al(γ,π^+)^{27}Mg by means of activation method, 24:20351
ITO, Kosuke Seismic prospecting in environs of uranium ore deposits at northern part of Toki city, 23:7650
ITO, Masahiko Radiometric determination of perchlorate, 24:22602
ITO, Masako Tyzzer's disease in laboratory animals, 22:47586
ITO, Masataka Enhanced damping of large-amplitude plasma waves, 25:17233
ITO, Masatosi Bootstrap conditions in S-matrix theory, 22:32218
ITO, Masayuki Radiation induced terpolymerization of sulfur dioxide, acrylonitriles, and octene-1, 23:2310 (NSJ-tr-133)
  Radiation-induced copolymerization of allylalcohol and sulfur dioxide, 21:17681
  Radiation-induced copolymerization of propylene and sulfur dioxide, 21:17682
  Radiation-induced copolymerization of cyclohexene and sulfur dioxide, 21:17683
  Radiation-induced terpolymerization of sulfur dioxide, acrylonitriles, and octene-1, 21:42987
  Radioinduced copolymerization of isobutene and sulfur dioxide, 22:4171
  Radioinduced copolymerization of styrene and sulfur dioxide, 21:30461
  Radioinduced copolymerization of vinyl chloride and sulfur dioxide, 22:42739
ITO, Mitsuo Raman spectra of hydrogen and deuterium halide crystals, 23:24149
ITO, Miwako Thorotrast and carcinogenesis, 22:2552
ITO, Mutsumi Design of safety valves and the like for BWR-type power stations, 25:57637
ITO, N. Kolar Gold Field neutrino experiment, 24:15454 (CERN-69-28, pp 81-93)
  Muon intensities and angular distributions deep underground, 21:18473
  Small-scale horizontal diffusion near the coast, 21:16031
ITO, Naoji Role of environmental monitors at the time of a reactor accident, 23:49538
ITO, Naotsugu Effects and protection of radiation from atomic facilities. III, 23:43508
ITO, Noboru Corrosion of Zircaloy-2 and 4 in high temperature and high pressure boiling water and steam, 21:13106 (JAERI-1116)
  Irradiation tests of domestic Zircaloy-2 cladding materials in JPDR, 25:12862 (JAERI-Memo-4192)
ITO, Nobuo Norikura EAS array and its accessories, 24:32688
  Radiation sterilization of medical devices and supplies. I, 22:23701
  Radiation sterilization of medical devices and supplies. IV, 23:3001
  Radiation sterilization of medical devices and supplies. III, 23:16455
  Radiation sterilization of medical devices and supplies. II, 23:16456
  Transition of extensive air showers in the atmosphere, 21:14997
ITO, Norio Clinker-level meter, 22:51270
  Method for producing high boron-content shielding concrete, 22:52305
ITO, R. Empirical equation for the backscattering coefficient of electrons, 25:45296
ITO, Rinsuke Analytical integration of the Moliere's distribution function for the multiple scattering of charged particles, 24:45387
  Angular distribution of transmitted electrons with incident energies 3.2 to 14.1 MeV. I, 22:44744
  Charge distribution produced by 4- to 24-MeV electrons in elemental materials, 25:13964
  Contribution of obliquely scattered electrons to the irradiation under the scanner window, 24:15739
  Electron backscattering and secondary electron emission from semi-infinite solid targets, 22:13969
  Maximum range of monenergetic electrons, 23:18437
  Range distribution of 4- to 24-MeV electrons, 24:39813
  Range distribution of monoenergetic electrons in Be and Al, 23:36470
ITO, S. Cancer of cervix with changes due to radiation, 23:33809
  Drift during simple toroidal theta-pinch collapse, 24:17877
  Fast neutron study, 25:9995
ITO, Saburo Ultraviolet spectrophotometric determination of Te(IV), 25:15498
ITO, Shigemitsu Determination of a labeled tritium compound in blood by a 2π gas flow counter, 21:12335
ITO, Shin Influence of irradiation on cell organelles, 24:9959
ITO, Shoichi Determination of Sn, Fe, Ni, and Cr in Zircaloy-2, 22:7024
ITO, Susumu Multi-hole-collimator for α-ray detection, 24:20989
ITO, Syoji Post-crosslinking of formed polymers by irradiation. II, 25:44387
  Post-crosslinking of formed polymers by irradiation. I, 25:44386
  Radiation after-bridging of molded polystyrene, 24:13983
ITO, T. Characteristics of an ultrahigh vacuum chamber, 22:23252
  Chromosome aberrations and neutrophil alkaline phosphatase in atomic bomb survivors, 23:10006
  Deterioration of polyethylene film by ion irradiation, 21:36023
  Leukemogenic effects of ^{90}Sr and x-rays, 23:33871
  Radiation clearance of bone, 21:24343
ITO, Tadaei Pion form factor and the second rho meson, 23:8783
ITO, Tadashi Electron gun for use in betatron, 24:6800
  Shimadzu high intensity 20-MeV medical betatron, 25:41155
ITO, Tairo Temperature dependencies of corona resistance of polyethylene films and magnitude distributions of corona discharges of point-planem ethode, 21:5916
ITO, Takaaki Effect of partial marrow shielding on hematopoietic recovery, 23:43861
  Effect of partial marrow shielding on hematopoietic recovery in heavily irradiated mice, 25:58124
  Effect of thymectomy in modifying the immunological reactivity of xenogeneic radiation chimeras, 23:22237
  Induction of leukemia by radiation and virus, 23:29787
  Synergistic action of radiation and virus in induction of leukemia, 24:34681
ITO, Takahiko Design of the high tension circuit in an atomic power station using a computer, 23:31463
ITO, Takao Cation exchange behavior of metal ions in ammonium sulfate media, 23:11619
  Thin-layer chromatographic separation of scandium, rare earths, thorium, and uranium, 22:51069
ITO, Takashi Absence of apparent dark recovery from the photodynamically-induced mutational damages in yeast cells, 22:28412
  Bearing of fractional-body mutations on the mutational load, 22:36225
  Co-mutagenesis: effect of post-irradiation treatment with base analogues in the silkworm, 24:666
  Enhancement of uv sensitivity of yeast in frozen state, 23:6611
  Histochemical study on alkaline and acid phosphatase of uterine cervix cancer, especially in the telecobalt therapy, 21:8694
  Relationship between mutation and x-ray doses in Drosophila, 21:36541
  Studies on nitrogen-coordinated complexes. Preparations and reactions of hydrido—phosphine complexes of ruthenium and rhodium, 24:29268
  The bearing of fractional-body mutations on the mutational load, 22:36243
  Ultraviolet-induced photoreversible and non-photoreversible mutations in yeasts, 21:1839
  Uv-induced damage in Saccharomyces cerevisiae, 23:20166
ITO, Takeyasu Nonisothermal electromotive force of galvanic cells with zirconia-lime or thoria-lime electrolyte, 23:41693
ITO, Taro Design of facilities for production of ^{131}I, 24:31573
  Design of facilities for production of ^{32}P, 24:31572
  Production techniques for ^{82}Br, 24:31365
ITO, Toshio Nonequilibrium ionization heated by dc electric field or metastable nitrogen molecules, 22:34680
ITO, Toyaki Solar slit camera, 24:31697
ITO, U. Acute radiation injury of bone marrow and the early phase of its regeneration, 22:43399
ITO, Ushio Study on the lingual mucosa absorption with radioisotope technique, 23:17924
ITO, W. Radioinduced copolymerization of ethylene with tetrafluoroethylene, 24:31385
ITO, Wataru Radioinduced copolymerization of tetrafluoroethylene with ethylene in gas phase, 25:29130
ITO, Y. ^{67}Ga tumor scanning and its mechanisms studied in rabbits, 25:46928
  Development of mechanical sodium pump, 24:52894
  Magnetic properties of Tb—Ho single-crystal alloys. II. Neutron-diffraction studies, 24:49261
  Magnetic properties of Tb—Ho single crystal alloys. III, 25:22646
  Positron annihilation in irradiated organic crystals, 24:27120
  Radiation-induced solid-state polymerization, 24:13927
ITO, Yasuhiko Effects of x-irradiation on ribotide [ribonucleotide] metabolism in guinea pigs, 21:6447
  Postoperative irradiation in bronchogenic carcinoma, 24:23288
  Pulmonary reactions to radiation, 24:23391
  Radioprotection by bee venom, 25:16232
ITO, Yasuyoshi Program for computing external dose rate from a radioactive cloud and numerical examples for nuclear ships, 22:37890
ITO, Yoshiharu Device for transporting a radioactive material, 21:22086
  Device for transporting a spent fuel, 22:50859
  Fuel transport device, 22:14337
ITO, Yoshinori Engineering developments in QP experiments, 24:30356 (IPPJ-T-1)
ITO, Yoshio Mechanical sodium pump for liquid metal cooled fast breeder reactor, 25:4201
ITO, Yoshitaka Uranium processing and UF$_6$ conversion to UO$_2$, 23:15950
ITO, Yuji Irradiation therapy for esophageal cancer, 24:27642
ITO, Yukio Phenomenological analysis of neutral K-meson decay, 24:52162
ITO, Yutaka Forced convective boiling heat transfer to diphenyl in concentric annuli, 23:29088
ITOGA, Takashi Chronic lymphocytic leukemia in Hiroshima and Nagasaki, 23:16334
ITOGA, Takasi Statistical observations on lymphosarcoma and leukosarcoma and the PAS reaction in abnormal lymphatic cells in Nagasaki, 21:11104
ITOH, Akio Determination of the compositions of thin film compounds by using the electron-probe x-ray microanalyzer. I, 25:28966
ITOH, C. Individual U$_3$ symmetries of strong, electromagnetic, and weak interactions, 23:15172
  Possible existence of Q/sub K/ not equal to 0 particles and the weak interactions, 21:2445
ITOH, Chiaki Canonical quantization of the proper time formalism in the dual resonance model, 25:56480
  Multiplet meson decays (405), 21:40264
  Proper time formulation with general vertices, 25:41112
  Relations between spectra of 2$^+$ and 2$^-$ mesons, 22:35062
  SU(6), RP invariance, and nonmesonic decay of hypernuclei, 21:9827
ITOH, H. Self-triggering streamer chamber, 24:29561
ITOH, Hidehiko Elastic scattering of 14.2-MeV deuterons by deuterons and ^{4}He nuclei, 22:20441
  Phenomenological potential for d—d elastic scattering, 22:41944
ITOH, Hikaru Uranium monosulphide crystallized from sulphurated uranium melt, 21:8262
ITOH, Horiaki Radiolysis in naphthalene single crystal, 24:31371
ITOH, J. NMR study of ferromagnetic rare earth metals and alloys, 22:26522
ITOH, Jiroh Determination of nitrogen in uranium nitrides, 23:47376
ITOH, Junichi Fluorescent x-ray analysis of tin and zirconium in aluminum alloys, 25:10441
ITOH, Junkichi NMR and relaxation of ^{163}Dy in Dy metal at low temperature, 25:43498
  NMR studies of ferromagnetic Co—Pd alloys, 22:7363
ITOH, K. A scintillation type gamma-ray dosimeter with low neutron sensitivity, 23:43610
  Electroexcitation of the 10.8-MeV level of ^{12}C and the 7.12-MeV level of ^{16}O, 23:19182
  Electroexcitation of the giant resonance in ^{12}C, 24:30706
  Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
  Study of nuclear states in ^{40}Ca by inelastic electron scattering, 25:7842

- Study of nuclear states in ^{60}Ni by inelastic electron scattering, 24:10961
- ITOH, Kohei Gamma-ray scattering experiment, 24:45761
  - Recent improvement in electron scattering by nuclei, 25:38984 (JAERI-1205, pp 63-70)
- ITOH, Koichi Electron spin resonance of irradiated single crystals of sodium and potassium 1-oximinopropionates, 21:15958
  - ESR study of an irradiated crystal of L-alanine: two new proton—deuteron exchange reactions, 24:27161
- ITOH, Michiya Self-exchange reaction of deuterium in monodeuteriotoluene catalyzed by nickel and platinum, 22:33340
- ITOH, Mitsuomi Gamma-ray-induced addition of formamide and aniline to crotonic acid and its ester, 24:11589
- ITOH, Mutsumi Unit No. 3 of Fukushima Nuclear Power Station, Tokyo Electric Power Co, 25:23109
- ITOH, N. Backscattering of protons from Ge, 24:24114
  - Degradation of low-energy electrons in alkali halides, 23:3609
  - Effects of radiation damage on channeling of MeV protons in KBr, 25:3201
  - Ion mass effect in dechanneling rate, 25:36289
  - Optical absorption spectra of H center in CaBr, 25:38568
  - Radiation-induced interstitial centers in alkali metal halides, 23:42421
- ITOH, Naoki Hydrostatic equilibrium of hypothetical quark stars, 25:798
  - Hydrostatic instability in very high temperature stars, 23:46158
  - Superconducting state of neutron stars, 24:15049
- ITOH, Noriak Radiation damage studies using the low temperature irradiation facility. I, 25:21242
- ITOH, Noriakai Response of $CaSO_4$(Mn) and Li_2SO_4 to thermal neutron and γ-ray fields, 25:51906
- ITOH, Noriaki Dechanneling of MeV protons from Ge, 25:36271
  - Growth of optical absorption bands in Ca-doped KBr by x irradiation, 21:37602
  - Interactions of interstitial centers with monovalent impurities in KBr crystals, 24:37538
  - Location of impurities in alkali halide crystals by channeling studies, 25:56337
  - Manganese centers with various valency in alkali halides, 25:1281
  - Manganese paramagnetic center irradiated NaCl:Mn^{++} crystals, 23:21009
  - Properties of $CaSO_4$(Mn) powder for thermoluminescence dosimeter, 23:20024
  - Radiolysis in naphthalene single crystals, 24:25082
  - Vibronic transitions in radicals in irradiated naphthalene single crystals, 25:13047
- ITOH, S. Highly ionized plasma column of low-pressure discharge in a longitudinal magnetic field, 25:25122
  - Low-level beta-spectroscopy of solid samples by means of a coincidence-type scintillation spectrometer combined with a logarithmic amplifier, 21:16162
  - Post crosslinking of polystyrene-formed materials by irradiation, 24:31374
- ITOH, Satoshi Joule heating in JFT-2, 25:14233 (JAERI-Memo-4186)
  - Joule heating in JFT-2, 25:47499
  - Microwave interferometric measurements in medium-beta torus (JFT-2), 25:58979 (JAERI-Memo-4530)
  - Modes of the screw instability in a positive column for several gases, 22:5388
  - Radial density profile in a positive column with a longitudinal magnetic field, 21:9549
  - Review of USSR Tokamak experiments, 25:30596 (JAERI-Memo-4286)
  - Strongly ionized plasma column of low pressure discharge in a longitudinal magnetic field, 25:1178
  - Toroidal theta pinch collapse by the snowplow model, 23:14747
- ITOH, Tadahiro Nuclear, thermal-hydraulic performance analysis of JPDR, 21:15655 (JAERI-1114)
- ITOH, Tadatsugu Analysis of radiation-enhanced diffusion of aluminum in silicon, 24:10605
  - Anneal behavior of aluminum-implanted germanium, 25:45575
  - Doping of silicon by ion implantation, 22:24450
  - Epitaxial growth of silicon assisted by ion implantation, 25:56347
- ITOH, Takashi Static model calculation of the nucleon ground state, 21:2469
- ITOH, Tomizo Laboratory experiment on the solar wind interaction with planetary bodies, 25:40491
- ITOH, Toshinobu New well logging method using the neutron tube, 22:30886
  - New well logging method using the neutron tube, 23:47867 (NSJ-tr-146)
  - Nuclear logging, 24:314
  - Pulsed neutron logging, 24:31481
- ITOIZ, M. E. Effect on oral tissues and tooth germs of irradiation with deuteron beam, 22:568
  - Histochemical study of healing wounds, 24:27544
  - Histoenzymic reactions in rat epidermis subjected to deuterons, 25:24398
  - Vascular response in irradiated wounds, 24:34548
- ITOKA, Takasi Lymphatic diseases of atomic bomb survivors, 22:4649
- ITOKAWA, Hideji Thin layer chromatography: application to organic compounds, 25:31705 (LA-tr-71-33)
- ITONAGA, Kazunori Contraction of deuteron cluster in ^{6}Li, 25:31207
- ITSCHNER, D. Electrical resistance and magnetization of type-II superconductors, 21:20883
- ITSCHNER, Emerson C. Nuclear energy developments in Pacific Northwest, 25:23117
- ITSKEVICH, E. S. Apparatus for studying superconductivity at pressures up to 50 kbar, 24:10459
  - Apparatus for the investigation of superconductivity under pressure up to 50 kbar, 23:32287
  - Effect of pressure on lattice oscillations and electron—phonon interaction in superconductors, 25:45395
  - New superconducting modifications of bismuth, 24:35365
  - Superconductivity of barium at high pressures, 24:28190
  - Superconductivity of Te at high pressure, 25:33186
  - Superconductivity of thallium at high pressures, 25:1108
  - Tunnel effect in lead under pressure, 22:38979
- ITSKOVICH, O. Yu. Effect of concentration nonuniformity on the properties of superconductors with paramagnetic impurities, 22:44052
- ITSUMI, Fumihiko Spent fuel-rod cask, 22:36021
- ITSYNA, N. A. Effects of ionizing radiation on chromosomes of plants and mammals, 22:23490
- ITTNER, Ernst Measurement methods and some results of measurement of natural radioactivity of the air, 23:15976
- ITU, Pietro Bronzini Attenuation due to auroral absorption, 23:36607
- ITURBE HERMANN, Fernando Use of γ-excited x-ray beams for measurement of thickness of electrolytic deposits, 22:28188 (NP-17351)
- ITURZAETA, Nenita F. Measurement of plasma cortisol in children and adults, 24:19283
- ITUTA, Shiro Method for measuring pulsed x-ray with low intensity, 25:44696
- ITZCHAK, Y. Double contrast examination of small intestine, 25:4686
- ITZHAKI, Ruth F. Structure and properties of rat thymus deoxyribonucleoprotein, 24:591
- ITZKOWITZ, M. S. Computer based laboratory-wide data acquisition, analysis, and retrieval system, 25:8193 (UCRL-20132)
- ITZKOWITZ, Martin S. On-line data reduction from Cary 14, 15 and 60 spectrometers, 23:14084 (UCRL-18568)
- ITZYKSON, C. Algebraic approach to relativistic two-body problem, 23:46850
  - High-energy two-body reactions in the quark model, 21:23328
  - Hyperon nonleptonic decay, 22:7487
  - Integral representations of analytic functions and Jost—Lehmann—Dyson formula, 21:15406
  - Massless particles and fields, 23:32811
  - Nonleptonic hyperon decays, 21:21193
  - Nonleptonic K decays, 22:17915
  - Pair production in vacuum by an alternating field, 24:49376
  - Polarization phenomena in vacuum nonlinear electrodynamics, 25:14793
  - Relativistic Balmer formula including recoil effects, 24:37194
  - Remarks on boson commutation rules, 21:17011
  - Three-dimensional formulation of the relativistic two-body problem and infinite-component wave equations, 24:37962
- ITZYKSON, Claude Relativistic eikonal expansion, 23:34675
- IUCCI, N. Attenuation coefficients for cosmic-ray neutron monitors of IGY network from 1957 to 1965, 22:5153
  - Cosmic rays and large-distance features of the interplanetary space, 21:23033
- IUCHI, Iwao Hemoglobin Hiroshima (β^{143} histidine → aspartic acid), 23:50804
- IUDICE, N. Lo Number conserving calculation of low energy spectra of odd-odd T1 isotopes, 23:32932 (NP-17886)
- IURASCOVA, V. Protective affect of cystamine on hemopoiesis in irradiated rats, 21:4832
- IURASOG, G. Correlation between ^{131}I thyroid uptake and electro-encephalogram in poliomyelitis sequelae, 22:43246
- IUZZOLINO, C. V. Floating point package for mini-computers, 25:26124 (SC-RR-710125)
- IVAKHNENKO, P. S. Conversion of x-ray energy in europium-activated alkali metal halide crystals, 22:9441
  - Effect of ionizing radiation on impurity centers in europium-activated alkali metal halide phosphors, 22:9442
  - Recombination luminescence of alkali halides doped by Eu^{2+}, 25:7459
  - Roentgenoluminescence, absorption, and emission spectra of NaCl:Eu single crystals, 21:29371
- IVAKIN, A. A. Effect of 1,3-diaminopropanol-2-tetraacetic acid on excretion of some radioisotopes of metals, 23:47948
  - Magnetic properties of EuO at low temperatures, 21:13263
- IVAKIN, V. P. Orientational dependence of fast protons energy losses in KBr single crystal, 23:12986
- IVALDI, Carlo Mussa Rheological measurements on irradiated polyethylene, 25:787
- IVANCEVIC, D. External measurements in ^{198}Au clearance technique, 25:6729
  - Nuclear indicators of short physical half life in cardiac hemodynamics, 23:35806
- IVANCHENKO, A. F. Szilard—Chalmers reaction in the divalent cobalt phthalcocyanine, 22:2102
- IVANCHENKO, A. I. Production of pulsed megagauss fields by compression of metallic cylinder in Z-pinch configuration, 22:31782
- IVANCHENKO, I. M. Phase shift analysis of 310 MeV π—N scattering using recoil neutron polarization data, 21:40217 (JINR-P1-3416)
  - Phase-shift analysis of elastic pion-nucleon scattering at 310 Mev, 21:877 (JINR-P-2898)
  - Reproduction of particle kinematic parameters, 21:16175
  - Space coordinate reconstruction of track points by two stereoprojections, 21:275 (JINR-P-2889)
- IVANCHENKO, V. G. Calculating cross-sections of ^{16}O(γ,n)^{15}O reactions, 25:28186
  - Change in solubility of Ce, Pr, and Nd in Cr as a function of temperature, 25:27238
  - Determination of photonuclear cross section by the methods of mathematical statistics, 21:44776
  - Diagram of states of the system chromium—cerium, 23:36139
  - Phase diagram of the chromium—terbium system, 25:8889
  - Phase diagram of the system chromium—praseodymium, 24:1038
  - Variation in solubility of Ce, Pr, and Nd in Cr with temperature, 25:58237
- IVANCHENKO, Yu. M. Destruction of Josephson current by fluctuations, 23:6950
  - Effect of delay on the form of the tunnel characteristics of superconductors, 21:9482
  - Effect of external fluctuations on the properties of superconducting micro-junctions near critical temperature, 25:56090
  - Effect of low frequency fluctuations on superconducting tunnelling, 25:27649
  - Fluctuations in Josephson contact, 24:26101
  - Influence of quantum fluctuations on frequency band width in superconducting tunnel structure, 22:17586
  - Josephson coupling energy in the presence of thermal fluctuations, 25:14184
  - Josephson effect on small-size tunnel contacts, 23:8565
  - Role of low-frequency fluctuations in the Josephson effect, 25:33183
  - Some features of the Josephson radiation, 21:27075
  - Sound excitation in a Josephson junction, 25:56089
  - Tunneling in superconductors, 21:2149
- IVANCHEV, N. Proton motions in complex hydrogenous liquids. II, 21:2029
- IVANCHIK, I. I. Theory of the many-particle systems, 22:32026
- IVANCHINOV-MARINSKII, N. N. Influence of refraction and absorption on coupling between antennas in plasma diagnostics, 22:3025
- IVANENKO, A. I. Spin dependence of interaction of slow neutrons with deuterium, nitrogen, and lanthanum nuclei, 23:28231 (BNL-tr-263)
  - Spin dependence of the interaction of slow neutrons with nuclei of deuterium, N, and La, 23:46900
  - System of current correlation of 2-meter JINR isochronous cyclotron, 24:37985 (JINR-P9-5047)
- IVANENKO, D. Cosmology and elementary particles, 21:42281
  - Remarks on possible connection between cosmology and atomic physics, 21:46091
  - Remarks on quark stars, 23:41896
  - Remarks on quark stars, 24:51296
- IVANENKO, D. D. Hypothesis concerning quark stars, 22:43766
  - Joint description of the isotopic and space—time properties of elementary particles, 22:26587
  - New solution of Einstein equations and possible interpretation of Dirac's hypothesis of the diminishing gravitational constant, 21:23294
  - Quark stars, 25:12188
  - Unitary symmetry classification of leptons, 22:17993
- IVANENKO, I. P. Angular distribution of electrons at various depths in cascade showers, 22:21918
  - Angular distribution of excess of electrons in cascade showers, 24:21960
  - Electron and photon equilibrium spectra with medium polarization and multiple scattering taken into account, 21:2412
  - Energy spectra of cascade electrons in Pb, 21:20801
  - Energy spectra of shower electrons in various materials taking into account polarization of media and multiple scattering, 22:2849
  - Equilibrium functions of angular distribution of cascade electrons in iron and lead, 22:21917
  - Extensive air showers (theory), 25:4986
  - Inverse problem in the theory of nuclear cascades, 22:2850
  - Negative excess of electrons in electromagnetic cascade showers, 22:21919
  - New method for solving the cascade theory equations, 21:5366
  - Spatial distribution of particles of cascade shower in the atmosphere, 24:21959
- IVANENKO, V. M. Homogeneity of light-collection from large-area plastic scintillator, 23:41010
  - Large-area scintillation detector, 22:43042
  - Study of large-area, flat scintillation detectors, 25:57828
- IVANENKO, V. V. Cross sections of (n,p) reactions on Se isotopes at 14.7 MeV, 23:25854
  - Cross sections of reactions ^{76}Se(n,p), ^{77}Se(n,d), ^{77}Se(n,np), and ^{80}Se(n,α) with 14.7-MeV neutrons, 21:40405
  - Reactions (n,p) on the isotopes ^{74} ^{76} ^{78}Se at the neutron energy E/sub n/ = 14.7 MeV, 21:12008
- IVANFY, A. B. Spectrophotometric determination of niobium in zirconium with 4-(2-pyridylazo)resorcinol, 22:16440
- IVANII, G. M. Electroroentgenoluminescence of a ZnS:Cu phosphor, 21:29378
  - Properties of CaF_2:Nd during x irradiation, 24:19973
  - Roentgenoluminescence of $CaSO_4$—Mn phosphor and its stored energy, 23:36787 (AEC-tr-6869/7, pp 1181-3)
  - X-ray luminescence dependence of NaCl phosphors on radiation time, 22:23271
- IVANIK, B. P. Influence of ionizing radiation on macromolecular organization of DNA and DNP, 22:14955
- IVANILOV, Yu. P. Stationary convection in the presence of external magnetic field, 21:15014
- IVANISEVIC, O. K. Effect on onset of puberty of whole body irradiation of infant female rats, 22:49634
  - Effects of x-irradiation on the reproductive system of female rats, 24:27680
- IVANITSKAYA, A. F. VI-antigen S. typhi colibacterine (E. coli M_{17}), 23:14233
- IVANITSKAYA, E. A. High radiosensitivity of the allosteric center of enzymes, 22:14946
- IVANITSKAYA, L. P. Radioprotective effect of marinamycin-like antibiotic on tumor cells, 21:22526
- IVANITSKAYA, L. V. Radiation chemical transformation of thiols and thiocyanates, 21:23975

Radiation-chemical oxidation of aqueous thiocarbamide solutions, 24:9380
Radiolysis of potassium and ammonium thiocyanates in ethyl alcohol, 22:37805
Radiolysis of S compounds. I, 22:12394
IVANITSKAYA, O. S. Comparison of two methods of differentiation of reference frames and coordinate systems in Einstein gravitational theory, 23:49207
General theory of relativity, 24:1657
Lorentz transformation in Schwarzschild gravitational field, 24:40452
Properties of infinitesimal Lorentz transformations in a gravitational field, 23:34653
IVANITSKAYA, V. I. Indexes of remote sequelae of radiotherapy of breast cancer, 25:42270
Organs and systems following radiotherapy of thyroid cancer, 25:29707
Radiotherapy of cancer of thyroid gland, 25:24275
The results of complex treatment of patients with the thyroid cancer, 21:41459
IVANITSKII, P. G. Inelastic scattering of slow neutrons by polyethylene, 24:3833
IVANITY, G. M. Roentgenoluminescence of $CaSO_4$—Mn—Phosphor and its accumulation capacity, 22:4076
IVANIYA, S. P. Radiation spectrum of hydrogen plasma of finite thickness, 22:52804
Radiative escape of energy from a dense hydrogen plasma, 22:34678
Spectra and total radiation of hydrogen plasma, 22:24269
IVANKIN, W. P. State and perspectives of development of neutron pulse technique of well investigation, 25:51610 (A/CONF.49/P-436)
IVANKINA, M. S. Influence of gamma bombardment on linear expansion of solid solutions in system KCl—KBr, 25:40770
IVANKIV, L. I. Influence of electron bombardment on electrical properties of thin Te films, 22:45797
Temperature dependence of electron bombardment effects on semiconducting thin films, 23:30621
IVAN'KO, A. A. Microhardness of carbides of certain transitional metals, 24:14731
Microhardness of some oxides, 21:28830
IVANKOVIC, S. Neurotropic carcinogenic effect of phenyl—dimethyl triazene on rats, 25:10362 (ORNL-tr-2418)
IVANNIK, B. P. Action of x rays on condensed DNP systems, 21:34605
Analysis of defects in the macromolecular organization of DNA induced by ionizing radiation, 24:39429
Physicochemical changes in DNA isolated from organs of irradiated rats, 23:24514
Primary local damage to DNA isolated from liver and thymus of irradiated rats, 22:23435
Radiosensitivity of DNA in vivo and in vitro, 25:10966
IVANNIK, V. P. Irradiation-induced degradation of DNA macromolecules in solution, 21:36509
IVANNIKOV, A. T. Antidote therapy of uranium and polonium poisoning, 23:22275 (AEC-tr-6944, pp 670-7)
Effect of 2-acetylamino-1,3,4-thiadiazole-5-sulfonamide on the elimination of uranium from the organism and on the course of acute uranium poisoning, 23:22276 (AEC-tr-6944, pp 678-87)
IVANNIKOV, R. I. Multicharged Ca and Zn ion source, 24:20290
IVANNIKOV, S. G. Variability in peas caused by the effects of radioactive cobalt and chemical mutagens, 24:678
IVANNIKOV, V. L. Magnetic uniaxial anisotropy constants of Ho, 24:19979
IVANNIKOVA, N. V. Production of O compounds of Xe by β decay of I isotopes and study of their properties, 21:4497
Use of xenon difluoride for the synthesis of labeled periodates, 22:4227 (ANL-Trans-538)
IVANOFF, Michele Extracorporeal irradiation of calves blood, 24:2773 (CEA-R-3864)
IVANOFF, N. Gamma radiolysis of some N-heterocyclic compounds, 21:23978
IVANOFF, R. G. Power systems related to operations of a landed planetary capsule, 21:22103 (N-67-14931)
IVANOFF, V. Glandless pumps in nuclear power reactors, 24:28870
IVANOFF, Victor Improvements in power supply arrangements for coolant circulators of nuclear reactor, 25:46161
IVANOV, A. A. Application of integrated circuit P2113 for control of HPD measuring table, 24:27411
Broadening of a high-amplitude monochromatic cyclotron wave in a plasma, 25:52871
Class of solutions of quasi-linear equations, 25:19694
Collisionless heat wave, 25:14317
Collisionless heat waves in plasma, 25:45518
Consumption of complement in irradiated animals, 25:10985
Diffusion of a collisionless potassium plasma across a magnetic field during drift instability, 21:25169
Digitizer for coding center of HPD track signal, 25:44681 (IFVE-SPK/OPI-70-56)
Dynamics of appearance of incomplete antibodies detected by the Combs test, 23:29407
Dynamics of quasilinear relaxation in an unstable inhomogeneous plasma, 21:15200
Effect of a high-frequency magnetic field on plasma instabilities, 22:39141
Effect of helicon on plasma instabilities, 24:45268
Electron shock waves in a collisionless plasma, 24:47197
Evaluation of the possibilities of using a powerful beam of relativistic electrons for thermonuclear fusion, 25:38447 (CONF-710607-45)
High-frequency stabilization of potential perturbations in plasma, 23:36707 (IAE-1657)
Influence of a hf magnetic field on plasma instabilities, 23:34447 (CONF-680113-(Vol.4), pp 1077-88)
Influence of a high-frequency magnetic field on an unstable plasma, 25:40680
Influence of high frequency field upon plasma instabilities, 22:11481
Influence of high-frequency field on plasma instabilities, 25:27781
Influence of single and double irradiation of animals on the response of complement fixation and the complementary function of blood serum, 23:29408
Influence of the helicon wave upon some electrostatic instabilities of plasmas, 25:36183
Intense relativistic electron beam in a plasma, 24:28295
Low-frequency instability of an electron-cyclotron wave in a plasma, 25:14343
Magnetic susceptibility of Pu—Pd alloys, 23:7054
Multichannel analyzer in nuclear physics, 21:28331
Propagation of heat in plasma along magnetic field, 23:23201
Quasi-linear relaxations dynamics of a collisionless plasma, 21:5300
Resonant particles in electron cyclotron heating of plasma, 24:42645
Shaping devices for grating and track signals, 25:44680 (IFVE-SPK-70-59)
Stabilisation of the screw-type instability by an hf field, 22:50202
Stabilization of potential oscillations of plasma in a Q machine, 23:36712
Stabilization of some dissipative instabilities by means of hf electromagnetic fields, 25:22544
Stabilization of the drift instability of an isothermal plasma in a trap, 21:29309
Use of tunnel diodes in instruments for nuclear physics, 23:31588
Use of tunnel diodes in nuclear physics instrumentation, 22:10668
IVANOV, A. B. Thermal conductivity of yttrium oxide from 600 to 2100 K, 24:39708
IVANOV, A. E. Radiometric studies of lungs in process of development of cancer induced by intratracheal administration of ^{144}Ce fluoride, 23:22161 (AEC-tr-6944, pp 91-8)
IVANOV, A. G. EMF produced in compression of lanthanides, 25:52961
Problem of double layer in shock-compressed dielectrics, 24:20677 (SC-T-70-4013)
IVANOV, A. I. Influence of cystamine on posttraumatic regeneration of irradiated muscles, 22:47567
IVANOV, A. N. Changes in variable potential of Langmuir probe, 21:46325
Determination of diffusion parameters in Mo—Ta and W—Ta systems, 24:32493
Effects of reactor irradiation on thermocouple materials, 23:8248
Methods of testing structural materials in the MR reactor, 25:39292 (LB/G-3004)
Production of lepton pairs by high energy neutrinos in the field of a strong electromagnetic wave, 23:15056
Radiation damage in Mo and W, 24:14833
Roentgenographic study of interaction in the NbO—VO system, 24:12421
Use of molybdenum and tungsten for determining fast neutron fluxes in a reactor, 24:50195
X-ray studies of the tendency of niobium toward formation of stacking faults, 25:35493
IVANOV, A. P. Basic principles for selecting regulating organs for fast power reactors, 23:52330 (JPRS-48331, pp 301-42)
Electrochemically machining Nb alloy parts, 24:17240
Milling of high-temperature Nb alloy, 25:58198
Selecting control elements for fast power reactors, 23:43119
IVANOV, A. S. Mixing of hydrogen atom levels due to hyperfine interaction, 24:10370
IVANOV, A. T. Elasticity of quartz irradiated with fast neutrons, 21:42162
Expansion of quartz by irradiation with neutrons, 21:5326
IVANOV, A. V. Heating of plasma electrons at electron cyclotron frequency, 23:25286
IVANOV, A. Yu. Optimization by the mathematical design method of the radiochemical synthesis of dibutyltin dibromide, 25:48504
Radiation-chemical synthesis of dialkyltin dibromide. I, 23:40698
IVANOV, Anatolii Alekseevich Multichannel analyzers in nuclear physics, 22:30922
IVANOV, B. Chromosome aberrations in bone marrow cells of mice treated with ^{131}I or ^{32}P during their embryonal development, 24:48490
Growth peculiarities of x-irradiated HeLa cells, 21:34770
Multiplication of common Herpes virus in gamma irradiated cultures of human cells, 25:44983
Use of chromosome analysis for biological dosimetry in connection with an accident involving ^{226}Ra, 25:58016
IVANOV, B. A. Measurement of plasma parameters in strong hf discharges, 25:45456 (NP-18946)
Turbulent heating of ions in a skin high frequency discharge, 24:23947
Turbulent heating of ions in skinned high-frequency discharge, 24:23944 (NP-18187)
IVANOV, B. I. Accuracy of the resonator method of determining electron density, 24:49125
Application to plasma diagnostics of the Doppler effect at the cyclotron frequency, 25:58997
Experimental investigation of Doppler effect at electron cyclotron frequency, 22:43874
Experimental investigation of induced scattering of plasma oscillations in a strong magnetic field, 25:1248
Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
High intensity electromagnetic waves propagation in plasma waveguides, 22:44138
Nonlinear effects in a plasma waveguide, 21:7253
Nonlinear effects in plasma waveguide, 21:15145
Possibility of investigation of charge particle velocity distribution function, 23:34415
IVANOV, B. M. Acid-alkaline equilibrium in brain of irradiated animals, 24:750
Electrolyte composition of the blood plasma and spinal fluid in rabbits irradiated after prophylactic administration of cystamine, 22:51903
IVANOV, B. N. Application of Monte Carlo method to calculation of thermoconductivity of dielectrics with isotopic defects, 22:41696
IVANOV, D. Destruction of foam by α particles, 25:2223
IVANOV, D. N. Uranium in granite in the Gul'shad Region, Central Kazakhstan, 25:57583
IVANOV, D. P. Design of Tokamak TM-3 device, 23:42347 (MATT-Trans-88)
Designing of installation Tokamak TM-3, 22:24251 (AD-666156)
Experiments on laser and microwave plasma probing and measurements of diamagnetic effect with Tokamak T-3a device, 25:52786
Investigation of the nonstationary current in a betatron without an iron core, 23:10882
Investigations of plasma confinement and heating in Tokamak T-4 device, 25:38337 (CONF-710607-31)
Ion heating in the Tokamak-3 setup, 23:51592
Resonance buildup of radial oscillations of electrons in a betatron, 22:29817
Toroidal discharge in variable longitudinal magnetic field, 22:19937 (NP-tr-1622)
IVANOV, E. Beam modulating system for the cyclotron, 21:37972
Level structure of ^{116}In, 24:47591
IVANOV, E. A. Half life of the 619-keV isomeric level of ^{115}Sn, 21:30002
New nuclear isomers in the microsecond region, 23:45012
Nuclear isomers with half lives in 2- to 3-μsec range, 23:23707
Nuclear isomers with half-lives in 30 to 3000 μs range, excited in 24-MeV alpha-particle bombardments on natural targets, 22:32610
Plane electromagnetic wave diffraction on two parallel radial non-uniform circular plasma cylinders, 22:36889
Short-lived isomers excited by 10-MeV-proton irradiations, 22:24874
Tree graphs in Yang—Mills theory, 25:25486 (JINR-P2-5616)
IVANOV, E. F. Argon heating dc plasmatron with potassium as additional agent, 23:10674
Heat fluxes to electrodes with laminar flow of Ar—K plasma, 25:33288
IVANOV, E. G. Behaviour of Zr alloys in water and steam—water mixtures in MR reactor loops, 25:39294 (LB/G-3006)
Investigation of the solubility of nitrogen in melts of nickel with cerium, 22:19533
Oxidation resistance of Kh20N80 alloy, alloyed with La and Ce, 22:2585
Results of loop tests on Zr-clad experimental fuel rods in the Mr reactor, 25:43010
Tests of experimental assembly of nuclear fuel with sintered UO_2 cores in Zr alloy jackets, 21:10193 (IAE-1181)
IVANOV, E. I. Tests of rod type fuel element, 22:22830
IVANOV, G. A. Anomalous variations of the nuclear charge radii for Ba isotopes, 23:40043
Charge radii of the nuclei of $^{124\ 126\ 128\ 130}$Te, 25:3551
Electron-optical method for the measurement of the pulse current of ionizing radiation, 22:36067
Isotopic effect of hyperfine broadening of x-ray lines, 25:968
Variations in the nuclear charge radii of $^{124\ 126\ 128\ 130}$Te, 24:43378
IVANOV, G. F. Technological studies of the extraction of uranium and other valuable components from uranium-containing bituminous shales, 25:23689
IVANOV, G. I. Current loading and dispersion in an iris-loaded linear electron accelerator, 25:36644
IVANOV, G. K. Excitation of Moessbauer levels when heavy ions are decelerated, 22:32529
Interaction of neutrons with molecules, 21:25411
One-electron transitions in atomic collisions, 25:45301
Role of diffusion processes in the scattering of slow neutrons in liquids, 21:4189
Theory of direct atomic—molecular reactions. I, 21:43792
IVANOV, G. M. Charge phase distribution in travelling-wave linear accelerator, 24:1715
Possibility of compensating a beam energy spread due to current loading, 25:25577 (SLAC-Trans-129)
Traveling-wave linear accelerator (360 MeV), 21:29732
IVANOV, G. N. Alpha particle scattering on Pb isotopes, 23:37216
Diffraction scattering of 40-MeV α particles by complex nuclei, 21:33943
Elastic scattering of 40-MeV α particles on ^{58}Ni, ^{64}Ni, ^{64}Zn, ^{68}Zn, 24:43306
Excitation of multipole collective states of Ni and Zn isotopes, 23:8958
Instrument for measuring and monitoring the energies of particles accelerated in a cyclotron, 25:43743
IVANOV, G. R. Normal color indices of Cepheids. III, 25:27340
IVANOV, G. V. Determination of traces of Pt, Ir, Ag, and Cu in Pd by neutron activation methods, 23:13686
Method for the determination of optical spectra of scintillations, 23:2587
Neutron-activation determination of Au, Ag, Pt, Pd, and Ir in rhodium powder, 23:13687
Problem of the origin of the irradiation effects on the rate of thermal decomposition of ammonium perchlorate, 21:3093
IVANOV, I. Comparative radiometric investigations of the humidity of the soil, 22:30880
IVANOV, I. A. Electromigration of ^{22}Na, ^{42}K, ^{86}Rb, and ^{134}Cs in melted K, Na, and Li nitrates, 21:8254

IVANOV, I. D. Effect of ultraviolet radiation on the catalytic activity of proteinase, 21:22281
Investigation of geoactive corpuscles and photoelectrons on Kosmos-261 satellite. II, 25:17024
Investigation of geoactive corpuscles and photoelectrons on Kosmos-261 satellite. III, 25:17025
IVANOV, I. I. Effect of ionizing radiation on DNA content in cell nuclei of radiosensitive and radioresistant tissues, 22:21433
Effect of total γ-irradiation on tissular proteins synthesis, 23:16227
Effect of x-rays on the synthesis of specific tissue proteins and protein secretions, 22:25765
Influence of ionizing radiation on DNA of white rat liver tissue in ontogenesis, 21:34793
Influence of local irradiation of the heart region with hard bremsstrahlung with maximum energy 4.3-MeV on the enzyme activity of proteins of rabbit cardiac muscle and blood serum, 24:9761
Probable cause of high radiosensitivity of cells (radiosensitivity of DNA synthesis) during S interphase period, 23:7968
Stability of a ring current in a cylindrical resonator, 22:5036 (JINR-P9-3474-2)
IVANOV, I. M. Coextraction of arsenic with molybdenum, 25:21133
Ionization defect in argon—acetylene mixture, 21:10614
IVANOV, I. N. Effect of shielding on the negative mass effect, 24:38038
Focusing of a charged electron ring in the collective ion linear accelerator, 24:8779 (KFK-tr-297)
Focusing of charged electron ring in the collective ion linear accelerator, 23:7202 (JINR-P9-4135)
Focusing of electron ring in collective linear ion accelerator, 24:5360 (JINR-P9-4737)
Focusing of rings of charged electrons in the collective linear accelerator, 23:30851 (CERN-Trans-69-8)
Industrial nuclear methods and equipment for elemental analysis, 25:51405 (A/CONF.49/P-464)
Influence of shielding on the negative-mass effect, 22:46642 (UCRL-Trans-1370)
Influence of shielding on the negative-mass effect, 22:46638 (UCRL-18103, pp 467-83)
Ion acceleration by electron ring in decreasing magnetic field, 25:20131 (JINR-P9-5535)
Motion of particles in the "adgeza,, 23:21189 (UCRL-Trans-1390)
Problems of electron-ion ring stability, 23:13147 (JINR-P9-4138)
Problems of particle motion in adgesator, 23:8865 (JINR-P9-4132)
Screening influence on negative mass effect, 22:5038 (JINR-P9-3476-2)
Squirrel-cage system of focusing an electron ring in a collective linear ion accelerator, 24:26547 (UCRL-Trans-1408)
Stability of a cylindrical electron layer in a uniform magnetic field surrounded by a metal shield, 24:38046
Stability of a cylindrical layer of electrons, surrounded by a metal shield, in a uniform magnetic field, 22:46640 (UCRL-18103, pp 501-22)
Stability of a ring current in a cylindrical cavity, 22:46639 (UCRL-18103, pp 484-500)
Stability of an electron-ion ring, 23:21190 (UCRL-Trans-1392)
Stability of cylindrical layer of electrons surrounded by a metal screen in a homogeneous magnetic field, 22:5037 (JINR-P9-3475-2)
IVANOV, Ivan Effect of ionizing radiation on the immunity of sheep inoculated against anthrax, 22:43251
IVANOV, K. Application of impulse approximation in the theory of multiple scattering of neutrons by hydrogen molecule, 21:21431
IVANOV, K. G. Conditions of conservation of velocity circulation in the solar wind, 24:12587
Debye radius, critical field, and electric conductivity of the magnetosphere, 25:47417
Deformation velocity of the solar wind, 25:16923
Differential equation for nonstationary dynamo effect in ionosphere, 21:25035
Distribution of disturbance field in second phase of geomagnetic effect of high-altitude explosion, 21:29116
Duration of sudden commencements of magnetic storms observed on Elektron 2, 21:46248
Effect of tunguska fall on upper atmosphere, geomagnetic field, and airglow, 22:38958
Electric field of solar wind and magnetic disturbances at Earth's surface, 25:22447
Energy flux in the solar wind, 22:34220
Equation for an electrostatic field generated in the dynamo region of the ionosphere, 22:38950
Fast shock wave in solar wind and geomagnetic disturbance on Oct. 7, 1962, 25:47429
Field of sudden starts' main impulses near local absorption region of cosmic radio-noise in ionosphere, 24:37313 (N-69-32617)
Geomagnetic phenomena observed during transit of earth through tail of Halley's comet, 21:29125
Geomagnetic storm of April 1—2, 1964, 22:38959
Interaction of a solar plasma with the geomagnetic field, 22:34484
Interplanetary magnetic field flux and the K/sub p/ index of magnetic activity, 25:2981
Interplanetary plasma responsible for magnetospheric storm of April 17—19, 1965, 24:30262
Magnetic effect of interaction of magnetosphere with filament-like inhomogeneity of the solar wind, 25:17021
Magnetic field of the neutral sheet in the tail of the magnetosphere, 25:2982
Magnetic field variations in interplanetary plasma flows, 23:32097
Magnetic storm of September 14, 1966, 24:6446
Micropulsations (Pc1) during sudden deformation of magnetosphere, 23:20808
Oblique incidence of streams on the magnetosphere, 22:48003
Plasma injection into magnetosphere, 23:51497
Properties of an interplanetary plasma flow, 24:12586
S/sub q/ variation and the system of S/sub q/ currents in the ionosphere, 23:12671
Solar plasma flows observed on Mariner 2 as free rotating streams, 21:5035
Solar wind parameter variation, magnetic activity, and electrons of the tail of magnetosphere and radiation zone, 25:58852 (LA-tr-71-69)
Tangential discontinuity in the solar wind and a ground magnetic disturbance, 24:6455
Velocities of small-scale inhomogeneities in the interplanetary medium, 22:47754
Velocity and width of interplanetary plasma flows, 23:20636
IVANOV, K. I. Bound states of a relativistic two-particle system, 25:20083
IVANOV, K. K. Influence of specific polysaccharides of thyphoid bacteria and proteins on radioresistance of mice, 21:4828
Nucleotide composition of DNA in bacteria and sensitivity to gamma-rays, 21:41375
Radioprotective action of bacteritic nucleic acids and their derivatives by γ irradiation of experimental animals, 21:10932
Sterilization of preparations from typhoid bacilli by ionizing radiation, 25:44981
IVANOV, K. M. Influence of alloying metal on brittleness, 23:36107
Thermal embrittlement of chromium—nickel austenite-ferrite weld metal, 24:4779
IVANOV, K. V. Change of mitotic activity of epithelial cells of the cornea in animals exposed to small doses of γ radiation, 22:49513
Mathematical model of radiation injury in man, 25:32461
IVANOV, L. D. Angular distribution of neutrons in a slab reactor, 21:21737
Constructing a general solution to a system of multi-group transport equations, 21:4179
Critical size of slab reactor, 21:21736
IVANOV, L. I. Effect of vacuum on the creep of beta zirconium at high temperature, 21:6818
Effect of vacuum on the diffusion mobility of nickel in molybdenum, 25:55505
Evaporation of Ti under vacuum, 23:24903
Influence of crystal lattice defects on high-energy proton shadow effect, 25:58275
Influence of electronic radiation on the mechanical properties of highly resistant steel, 22:8790
Nonsteady-state radiation diffusion in metals, 23:42399
Physical nature of high temperature creep of niobium, 24:14771
Quantitative analysis of complex γ-ray spectra of radioactive metals and alloys, 21:2959
Radiation effects in metallic materials, 22:23848
Track autoradiography for the study of the microdistribution of certain elements in metals, 25:8235
IVANOV, L. N. Calculation of first- and second-order Feynman diagrams for lower excitation levels of He, 22:9076
Distribution of the electron temperature in the envelopes of the close binary stars, 24:25834
Feynman one- and two-order diagrams for light atom states. II, 22:37065
IVANOV, M. Classification and mass formulas for mesons in ladder U(6,6) symmetry, 25:59546
IVANOV, M. I. Effect of rosmaricine on mice with acute radiation sickness, 21:45700
IVANOV, M. P. Confirmation of the existence of long-lived spontaneously fissioning natural emitter, 23:42911 (JINR-D6-4554)
Neutron detector in search for superheavy elements in nature, 25:10814 (JINR-P13-5391)
IVANOV, M. T. Deoxyribonucleoprotein structure of spleen and lungs in mice following irradiation, 22:25768
IVANOV, M. V. Fractionation of stable isotopes by microorganisms, 22:428
IVANOV, N. A. Effect of total solar eclipse of Sep. 22, 1968, on geomagnetic field, 25:32996
Extraction of niobium and tantalum from hydrochloric acid solutions by amines, 24:14006
Separation of Nb(V) and Ti(IV) by extraction with amines from hydrochloric acid solutions, 24:2280
IVANOV, N. F. Characteristics of the ion beam produced by the injector of a linear accelerator, 22:15901
Linear proton accelerator I-2. X, 22:32398
IVANOV, N. I. Histologic changes in the inner ear of animals exposed to x-irradiation, 22:23600 (N-67-18922)
IVANOV, N. P. Some new applications of high frequency excitation tubes in atomic absorption spectrophotometry, 22:30494
IVANOV, N. R. Gamma-radiation effects on electro-optic properties of seignettoelectrics, 22:5449
H isotope effect in K hydroselenite single crystals, 22:40085
Isotopic non-isomorphism of Rb(H/sub 1-x/D/sub x/)$_3$(SeO$_3$)$_2$ crystals, 25:12989
IVANOV, N. S. Gas discharge ion source for an electromagnetic separator operating on-line with a heavy ion cyclotron, 23:30857 (NP-tr-1781)
Gas discharging ion source for the electromagnetic mass-separator on-line with the heavy ion cyclotron, 23:529 (JINR-P13-4061)
Modification of the electromagnetic mass-separator on line with a heavy ion cyclotron, 25:44506 (BMBW-FBK-70-28, pp 59-67)
IVANOV, N. V. Titanium-hydride injector, 25:47557
IVANOV, O. I. Angular anisotropy of gamma quanta and kinetic energy of fission fragments, 22:18269
Angular measurement of fission fragments in ionization chambers, 23:11852
Angular measurements of fragments of fission in an ionization chamber, 22:48589 (SRARI-P-3)
Angular spectra of neutrons in ternary fission of ^{235}U, 21:25536
Multiparameter investigation of anisotropy of γ quanta emission at ^{235}U fission, 22:48555
IVANOV, O. S. Composition of the carbide phase in alloys of uranium with zirconium and niobium, 25:55547
Constitution diagram of Zr—Ta—V system, 22:17144
Corrosion resistance in water of some alloys of uranium with zirconium, niobium, and molybdenum, 24:29914 (UCRL-Trans-10455)
Critical magnetic fields of alloy of Ni—Ti—Zr system, 22:17128
Determination of elasticity and shear in vacuum and inert gas, 22:52175
Improvements in the niobium—zirconium phase diagram, 23:30059
Interdiffusion between tantalum and tungsten, 23:3066
Investigation of W—Ta—Re by the diffusion-layer method, 22:4809
Kinetics of the isothermal transformation of gamma solid solutions of some uranium alloys, 24:29974 (UCRL-Trans-10452)
Linear expansion at up to 1100°C and density of some alloys and compounds of U, 23:41732
Output characteristics of cesium diodes with zirconium diboride cathodes, 23:51414
Phase diagram of the niobium—titanium—zirconium system and superconducting properties of its alloys, 21:25076
Phase diagram of the tantalum—vanadium—zirconium system, 23:30058
Phase structure and the superconducting properties of alloys of hafnium—niobium—titanium—zirconium, 24:10093
Physical chemistry of alloys and refractory compounds of Th and U, 23:51061
Physical chemistry of zirconium alloys, 24:23468
Property of zirconium alloy system Zr—Ta—V, 22:52186
Radio intensity of Virgo A in 10 to 30-cm range, 25:58525
Reciprocal diffusion of tantalum and tungsten, 22:43582
Short-range order in uranium—niobium solid solution, 24:14797
Solubility of Zr, Mo, and Nb in α-U, 24:48839
Superconducting properties of niobium—titanium—zirconium—hafnium alloys, 25:56104
Superconductive properties of niobium—zirconium—hafnium alloys, 25:56105
Temperature dependence of strength, plasticity, and elastic properties of alloys of uranium with zirconium, niobium, and moybdenum, 24:29913 (UCRL-Trans-10454)
Thermoelectric properties and thermal conductivity of USi$_2$, VSi$_2$, MoCrSi, and UC, 25:16571
Thermoelectric properties of palladium—uranium alloys, 24:1007
IVANOV, O. V. Extraction of thorium from nitrate solutions by 1,3,4,5-tetrasubstituted pyrazoles, 25:37481
IVANOV, P. P. Stabilization time of nonequilibrium state at input of an MHD generator channel, 22:5332
IVANOV, R. B. Alpha decay of ^{211}Rn and ^{212}Rn, 24:28773 (JINR-P6-4972)
Alpha decay of ^{225}Ac, ^{221}Fr, and ^{217}At, 22:9865
α decay of neutron-deficient radon isotopes, 25:43887 (JINR-P6-5791)
Decay of ^{225}Ac, 25:31325
Decay of ^{242}Am, 23:49431
Energy measurements of main ^{225}Ac α-groups, 22:18222
Gamma spectra of ^{205}Bi, ^{206}Bi, ^{203}Bi, and ^{204}Bi, 24:18441
Investigation of the α spectrum of ^{225}Ac, 21:27584
New levels of ^{204}Bi from the α-decay of ^{208}At, 24:1821 (JINR-P6-4615)
IVANOV, R. N. Measurement of total neutron cross sections of the isotope ^{230}Th in the 0.02 to 50 eV energy range, 21:7815
Protactinium and U thermal neutron irradiation of ^{230}Th and ^{232}Th, 24:31599
Total neutron cross section of ^{230}Th at thermal energy region, 22:37342 (ITEF-546)
Total neutron cross section of ^{230}Th in energy region up to 600 eV, 23:44922
IVANOV, S. Influence of gamma rays on some parameters of transistors and diodes, 23:17858
Studies of axial current of charged particles in Penning system with aluminum electrode, 24:12814
IVANOV, S. I. Excitation functions for first negative system N_2^+ on excitation of N by fast electrons, 25:13998
IVANOV, S. N. Certain data concerning ^{90}Sr content in peat-swampy soils, 25:21184
Effect of biological properties of plant on ^{90}Sr contents in yield, 25:18897
Effects of soil on uptake of ^{90}Sr by cereal crops, 25:32353
Ratio of ^{90}Sr and calcium in certain minerals and peat-swampy soils, 23:35329
Strontium-90 content of soils, 25:32374
IVANOV, S. S. Generating operator for Green's functions equations, 24:42841 (ITF-70-27)
Radioisotope neutralization of electrostatical charges in industrial conditions, 25:51704 (A/CONF.49/P-699)
IVANOV, U. I. Apparatus for study of motion of conducting emulsions in electric and magnetic fields, 25:27501
Transport coefficients of inhomogeneous systems in electromagnetic fields, 25:19562
IVANOV, V. Problem of events identification in propane bubble chambers, 22:8383 (JINR-P1-3595)
IVANOV, V. A. Angular dependence of the brightness of streamer tracks, 22:8385

Azimuthal telescope for cosmic-ray registration, 23:41001
Cerebral circulation in man following sustained acute radiation injury, 25:32462
Cesium-134 and ^{137}Cs effects on cerebral circulation, 23:43900
Clinical picture of acute radiation sickness induced by radioactive thulium, 22:31216
First aid of acute injuries by radioactive substances, 24:2726
Investigation of ^{150}Sm levels excited in the (n,γ) reaction by the e γ-coincidence method, 22:11955
Ionization measurement in a streamer chamber, 22:8386
Plastic deformation of high-purity Be monocrystals at 4.2 to 300°K, 23:8173
Studies of ^{156}Gd levels excited during thermal neutron capture by e-γ coincidence method, 23:17118
Surveying oil wells with Ge(Li)-gamma detector and Po—Be neutron source, 25:32138
Track brightness in streamer chamber, 24:9691
Use of germanium detector for neutron radiation analysis of elements and isotopes content, 24:29229
IVANOV, V. B. Action of chloramphenicol on growth of roots exposed to x radiation, 22:31278
Constant base line restorer and overlapping rejecting circuit for high-precision amplitude spectrometers with RC-CR formation, 25:371 (SRARI-P-67)
Effect of chloramphenicol on root growth of seedlings irradiated with high x-ray doses, 22:31283
Growth of corn seeding root cells irradiated with x-ray doses. II, 23:2981
Growth of maize seedling root cells following irradiation with high doses of x-rays. I, 21:45844
Improvement of characteristics of a double-diode restorer of base level, 25:8540
Kinetic energy of fragments of symmetric fission of ^{235}U nuclei by slow neutrons, 24:13386
Separating out distorted signals in amplitude spectrometry, 24:27389
Shaper with double shaping based on delay lines having a modified noise spectrum, 25:29366
IVANOV, V. D. Charging of α-active aerosols as result of secondary electron emission, 23:7642
Detecting the polarization of solar-flare x-ray emission, 25:55771
Fast-acting strip electrodynamic valve for peripheral gas admission, 21:33410 (NP-tr-1536)
Measurements of absorbed doses by a trachea model placed in radon-containing atmosphere of a polymetal mine, 24:23204
Passive diagnostics of a plasma focus using charged products of the dd-reaction, 25:30475 (LA-tr-71-6)
Polarization of the emission of x-ray solar flares, 25:891
Research on studying and increasing the plasma parameters on "non-cylindrical Z-pinch" equipment, 25:5116 (SC-T-70-4046)
Spontaneous unipolar charge acquisition by β-active hot aerosol particles, 24:5757
Unipolar charge acquisition by β-active hot particles in electric field, 24:19098
IVANOV, V. E. Behavior of $MoSi_2$, WSi_2, and $TaSi_2$ in vacuum at high temperatures, 24:6276
Beryllium base cermets. I, 22:47699
Beryllium base cermets. II, 22:52277
Coalescence of Al_2O_3 particles in Mo, 25:32812
Effects of silicide coatings on mechanical properties of molybdenum, 22:19543
Heat-resistant coatings, 21:6781
Influence of condition of impurities on strain orientation in low-alloyed alpha uranium, 22:36490 (JPRS-45470)
Influence of silicide coatings on molybdenum on its mechanical properties, 23:8183
Internal friction in beryllium cermet, 22:26086
Protection of tungsten against high-temperature oxidation, 22:43537
Radiation-induced growth of quenched uranium, 23:27138
Thermal tensity in chromium coatings in molybdenum, 21:18271
IVANOV, V. F. UNG-2 accelerating tubes in borehole neutron generators, 24:6808
IVANOV, V. G. Effects of camera characteristics on the accurate reproduction of pictures of space recorded events, 21:16167
Electron reflection at interface between plasma and an electrode, 24:49170
IVANOV, V. I. Accumulation of ^{54}Mn, ^{60}Co, and ^{185}W in the roe of the Black Sea flounder, 24:16965
Characteristics of ceramic fuel elements, 23:47813
Dosimetry of ionizing radiations, 22:21359 (AD-663930)
Effect of γ-irradiation, 22:47637
Effect of heat treatment and gamma-irradiation of seeds of Arabidopsis thaliana (L.) heynh. on mutation rate in M_2, 23:16260
Experimental and theoretical investigation of a gas discharge of plasma focus type, 25:38498 (CONF-710607-41)
Generation of cosmic rays during small chromospheric burst as a function of solar activity, 22:17429
Genetic and somatic effects of x rays and fast neutrons, 25:39818
Highly sensitive counting system for the nanosecond range, 25:48908
Ionization chambers with a liquid dielectric, 25:57778
Ionospheric measurements by incoherent radio wave scattering, 23:51503
Joint action of γ irradiation and thermal shocks on Arabidopsis thaliana (L.) heynh. seeds, 22:52030
Measurement of scattering angle of particles by Vavilov—Cherenkov radiation, 25:10869 (JINR-E13-5459)
Measurement of total cross sections of π^-—p interaction, 25:14561 (JINR-P1-5460)
Microdosimetry (physical aspects and fundamental problems), 25:18993
Particle generation on the Sun during brightening and flares at various periods of solar activity, 22:21807
Physical characteristics of direct-charge detectors, 25:57777
Protection against and repair of radiation injuries, 21:10999
Protection against and repair of radiation injuries, 22:25930
Quantitative characteristics of the radioprotective effect of mexamine, 24:27614
Radiation biophysical investigations of Arabidopsis thaliana. III, 25:26736
Radiation genetics of Arabidopsis thalian A (L.) heynh. II, 21:32627
Some new developments in dosimetric detectors, 25:57846
Stellar—diurnal variations in cosmic-ray intensity, 21:29060
Tetrahydrate acetates of the rare earth elements, 21:35925 (LA-tr-67-50)
Use of hit theory in radiobiology, 23:5008
IVANOV, V. K. Behavior of carbon in systems of the metal-molten lithium—carbon type, 22:6936
Ductility of welds in Nb alloys, 23:51062
Porosity in weld metal during fusion welding niobium alloys, 21:41545
IVANOV, V. M. Complexation of U by 2-(2-thiazolylazo)-4-methoxyphenol and 2-(2-thiazolylazo)-5-methoxyphenol, 23:60
Global contamination of the atmosphere by ^{85}Kr from worldwide nuclear power plants and the radiation danger, 25:54781 (JPRS-53174)
Photometric determination of U in ores by 4-(2-thiazolylazo)-resorcinol, 23:19632
Reaction of uranyl ions with 4-(2-pyridylazo)resorcinol, 21:15848
Ruthenium and osmium separate spectrophotometric determination by use of 4-(2-pyridylazo)-resorcinol, 25:54412
Seed irradiation and fertility of cotton, 21:30924
Spectrophotometric study of the reaction of the uranyl ion with 4-(2-thiazolylazo) resorcinol, 21:12350
IVANOV, V. N. Calculation of absorbed doses in radium treatment, 24:50915
Calculation of depth doses in tissue by statistical tests in irradiation with wide beam of neutrons, 23:33725
Change in physical chemical state of radionuclides in sea water, 24:7719
Distribution of ^{6}Li in rats, 25:32346
Effect of radioactive substances on the embryonic development of fish, 23:9825 (AEC-tr-6940, pp 47-51)
Effects of chemical protectors under conditions of fractionated irradiation. V, 24:752
Experimental investigation of voltage fluctuations in plasmatron arcs, 22:9388
Influence of mexamine on the distribution of ^{35}S-cystaphos in organism and analysis of the protective effect of a complex of these protectors, 24:9878
Influence of radioactive substances on the embryonic fish development, 23:26891
Lithium-6 incorporation into tissues, organs, and transplantable tumors, 25:13350
Local irregularity of doses in neutron-capture therapy, 25:55212
New radiotelescope of the Crimean Astrophysical Observatory with the 22-m parabolic reflector, 23:6828
Protective effects of biogenic amines in the radiation intestinal syndrome, 25:11102
Radio emission of nearby galaxies at 3.5 cm, 24:25936
Study of spectra and doses generated by a monoenergetic neutron source in Fe—H_2O shielding, 21:11685
Study of the absorbing surface of the suspensions in sea water by means of radioisotopes, 25:54811
IVANOV, V. P. Determination of absorption coefficient of plasma with use of gaseous OKG, 22:41567
Measurement of ionospheric electron concentration by means of a high-frequency impedance probe, 25:17050
IVANOV, V. S. Investigation in the field of radiation polymerization. XII, 24:38926
Limits of human tolerance to local infrared irradiation, 23:6602
Polymerization of N-p-tolylmaleimide caused with γ-irradiation of ^{60}Co, 22:27812
Radiation polymerization, 22:18856
Radiation polymerization in binary system maleimide monomer—fluorene, 23:6184
Radiation polymerization of N-2,4-dimethylphenylmaleimide, 23:40745
Radiation polymerization of N-hydroxymaleimide, 21:25881
Radiation polymerization. XI, 23:316
Radiation-induced polymerization of n-phenylmaleimide purified by zone melting, 25:31959
Studies in radiation polymerization. XV, 25:44381
Superconducting solenoids from niobium and zirconium alloys, 21:9479
IVANOV, V. V. Calculations of non-linear thermal conductivity in fuel elements heated by electric current whose electroconductivity is a function of temperature, 21:44864
Criterion of weak perturbing systems based on elastic scattering measurements, 22:13865
H-functions in resonance-radiation transfer theory, 22:5216 (CLM-Trans-9)
Ionic—molecular reaction involved in formation of D_2H^+, 24:17661
Milne's problem in the theory of spectral line formation, 24:23567
Propagation of electromagnetic perturbation over a plane surface, 25:36367
Propagation of electromagnetic signals along the earth—ionosphere wave guide, 25:47423
Transfer of radiation in a spectral line, 22:945 (CLM-Trans-10)
Transfer of resonance radiation in an infinite medium. I, 23:1577
Transfer of resonance radiation in an infinite medium. II, 23:3187
IVANOV, Yu. B. Surface waves in a current-carrying plasma enclosed by conducting walls, 22:39115
IVANOV, Yu. D. Linear proton accelerator I-2. IV, 22:32402
IVANOV, Yu. F. Calibration of ^{65}Zn and ^{54}Mn gamma-spectrometric sources, 21:41152
Production of carrier-free ^{18}F, 21:10388
IVANOV, Yu. K. Identification of uranium minerals in uraniferous bitumens, 23:37896
IVANOV, Yu. M. Diffusion of nitrogen in titanium and zirconium, 24:1001
Mass spectrometric method for determining the ratio of the effective ionization cross section to the formation of ion pairs in an ionization chamber, 22:43075
IVANOV, Yu. N. Investigation of the radiating ability of argon at high temperatures and pressures, 21:20952
IVANOV, Yu. P. Attenuation effects on polarization properties of recoil electrons in anti τ e-scattering, 22:15742
Neutrino scattering of electrons in W-meson theory, 21:9753
IVANOV, Yu. S. Excitation of radial betatron oscillations by longitudinal accelerating field, 25:25586
Observation system of the 70-GeV proton synchrotron, 24:13216 (CERN-Trans-69-23)
Orbit monitoring system for 70-GeV proton synchrotron, 24:37984 (CERN-Trans-70-6)
Radio—electronic system of 70-GeV proton synchrotron, 22:32345 (CEAL-2000, pp A120-4)
Rf control system for beam of 70-GeV proton synchrotron, 24:28641 (CERN-Trans-69-24)
Wilson chamber for investigating photomeson processes, 23:11862
IVANOV, Yu. V. Damage to the endothelium of the blood vessels by ionizing radiation, 23:29770
Influence of ionizing radiation on the reproductive ability of the endothelium of the blood vessels, 24:27694
Vulnerability of endothelium of large vessels in radiosensitive and radioresistant animals, 25:11269
IVANOV, Z. G. Method of determining radon content in the air exhaled by men, 22:33761
IVANOVA, A. N. Calculation of first- and second-order Feynman diagrams for lower excitation levels of He, 22:9076
Correlation energy of atomic systems. 24:23818
Energy of the excited states of helium, 22:50046
Feynman one- and two-order diagrams for light atom states. II, 22:37065
Oscillator strengths for the excited states of helium-like systems, 24:42537
IVANOVA, A. V. Cross section for the photoionization of lithium, 22:41378
Interactions of slow positrons with H^- ions in alkali metal hydrides, 21:44305
IVANOVA, D. Comparative study on the natural beta radioactivity of atmospheric aerosols in Plovdiv, 21:26002
Lasting radioactivity of atmospheric aerosols in Plovdiv, 23:17584
Natural beta activity of atmospheric aerosols in Plovdiv during 1962 and 1963, 21:26001
Natural beta radioactivity of atmospheric aerosols in Plovdiv, 23:35732
Physico-chemical properties of globulin from radiation effects on sunflower seed, 23:29376
IVANOVA, E. I. Radiologic study of the granites of the Ortau Massif, 23:29000
IVANOVA, E. M. Electrical sensitivity of the eye before and after enucleation, 23:2966 (UCRL-Trans-10174)
IVANOVA, E. V. Compact source for negative oxygen ions, 22:44564
IVANOVA, F. A. Combined action of carbon monoxide and ionizing radiation under prolonged conditions, 25:35233
IVANOVA, G. D. Magnetic UMB-type beta spectrometers, 23:14031
Model UMB magnetic beta spectrometers, 22:16896
IVANOVA, G. S. Copper angle of Cu—Ni—Zr phase diagram, 23:10224
IVANOVA, I. A. Thermographic investigation of binary systems on the base of alkali earth and rare earth fluorides, 22:45081
IVANOVA, I. I. Effect of diffusion processes on sintering of metal powders. I, 24:23472
Some regularities of interdiffusion in powder mixtures Fe—Co, 23:36091
IVANOVA, K. N. Mechanism underlying the dispersion hardening of niobium alloys, 25:55443
Niobium-base alloys and their properties, 22:17118
Niobium-based alloys and their properties, 22:6985 (JPRS-43171)
IVANOVA, L. A. Behavior of Pa(V) and its chemical analogues in strong alkaline tartartic solutions, 23:35287
Determination of some radionuclides at level below APC in liquid wastes, environmental and biological samples, 25:51383 (A/CONF.49/P-451)
Extraction of protactinium and its analogs from solutions of oxalic and tartaric acids with tributylamine, 25:57546
Separation of Pa from Nb, Ta, and Zr, 22:37849
Separation of Pa(V) from Si and other elements, 24:31463
IVANOVA, L. E. Characteristics of plasma beyond nozzle of pulsed electromagnetic accelerator, 25:33237
Composition and temperature distribution of electrons and ions across plasma jets of accelerators, 22:52756
IVANOVA, L. I. X-ray spectral fluorescence analysis of solutions of rare earth elements of the cerium group, 22:27581
X-ray spectral fluorescence determination of niobium and titanium in the products from the treatment of loparite raw materials, 23:49710

IVANOVA, L. M. Concentration of ^{90}Sr and ^{137}Cs in waters of Atlantic Ocean and seas, 3—6/64, 22:18994 (A-AC-82/G/L-1168)
  Determination of ^{90}Sr content in Black Sea, 21:8477 (AEC-tr-6641, pp 59-63)
  Simultaneous determination of ^{90}Sr, ^{137}Cs, and ^{144}Ce in seawater, 22:10185
  Strontium-90 and ^{137}Cs in Atlantic Ocean and its seas in 4—7/64, 25:15799 (AEC-tr-7214, pp 187-219)
  Strontium-90 and ^{137}Cs in Atlantic Ocean and its seas in 8—11/63, 25:15800 (AEC-tr-7214, pp 227-48)
IVANOVA, L. V. DNA content in liver mitochondria during regeneration and whole body x-irradiation, 23:22235
  Effects of ionizing radiation on DNA biosynthesis in regenerating rat liver, 25:44771
  Experience in the clinical employment of linear accelerator, 23:29694
IVANOVA, M. Radiosensitivity of malignant melanoma in man, 21:32682
IVANOVA, M. I. Behavior of impurities in niobium during vacuum melting, 25:55403
IVANOVA, M. M. Diagram of state of the system La_2O_3—WO_3, 24:42271
IVANOVA, N. A. Carbon-14 metabolism in Chlorella, 24:46574
IVANOVA, N. I. Choosing and calculating focusing system of 30 MeV linear induction accelerator, 25:31039 (JINR-P9-5714)
  Cross section of ^{241}Am(n,γ)^{242}Am reaction, 25:50738
  Focusing of high-current electron beams in linear induction accelerators, 25:56608
IVANOVA, N. L. Spectrophotometric study of V 444 Cyg, 22:43799
  Spectroscopic investigation of epsilon Aurigae, 23:30219
IVANOVA, N. S. Charge distribution of heavy cosmic-ray nuclei in region Z greater than or equal to 26, 25:30305
  Fragmentation parameters of multicharged component of primary cosmic rays, 22:21976
  Interaction of relativistic heavy nuclei from cosmic rays with nuclear emulsion, 24:42875
  Upper limit of the content of antinuclei in cosmic radiation, 22:29314
IVANOVA, O. I. Contrasting of thoracic duct, 24:17088
IVANOVA, O. M. Compounds of thorium tetranitrate with the nitrates of aliphatic amines, 25:44356
  Infrared absorption spectra of complex thorium formates, 21:35929
  Infrared absorption spectra of complex formates of thorium, 24:25026 (RFP-Trans-63)
  Infrared absorption spectra of thorium sulfate compounds, 21:19620
  Interaction of certain compounds of thorium with dimethyl sulfoxide, 25:34565
  Interaction of thorium tetrabromide hydrate with dimethyl sulfoxide, 22:33321
  Investigation of the carbamidosulfate and carbamidooxalate compounds of thorium by the method of infrared spectroscopy, 23:33174
  Investigation of the complex formate compounds of thorium by the method of infrared spectroscopy, 22:37764
  Isomorphism of thorium and uranium(IV) tetraacetates, 22:16543
  Magnetic susceptibility of some thorium compounds, 22:27669
  Reaction of thorium halides, nitrates, formates, and isothiocyanates with carbamides, 21:42931
  Spectra tetrahalide and nitrate complex compounds of Th, 23:24166
  Synthesis and some properties of complex formate compounds of thorium, 22:33322
  Synthesis of certain urea-containing thorium compounds in the absence of solvent, 23:4632
  Thermogravimetric analysis of thorium sulfate complex compounds, 21:5853
  Thorium acetates, 21:21945
  Thorium coordination chemistry, 21:25852
IVANOVA, R. P. Interchangeability of processes of respiration and fermentation in the postirradiation recovery of yeast organisms, 22:25871
IVANOVA, R. S. Carbonization of thin films of W annealed in vacuum at high temperatures, 23:8229
  Phase transformations in thin films of ZrO_2—SiO_2 and HfO_2—SiO_2, 25:38030
  X-ray diffraction study of phase composition of alundum-surfaced alloys VR-20 and VA-3 after vacuum annealing at high temperatures, 25:55465
IVANOVA, S. I. Single-particle states of the mean field of deformed nuclei, 22:5907
IVANOVA, S. P. Accuracy of calculation of one-particle states of deformed nuclei, 22:30050
  Application of Sturm—Liouville functions for solution of Schroedinger equation with anisotropic Saxon—Woods potential, 25:7498 (JINR-P4-5351)
  Calculations of single-particle states of deformed nuclei, 21:40465 (JINR-P4-3326)
  Calculations of single-particle states of deformed rare earth nucleic in approximation of finite potential with diffuse edge, 23:17114
  Effect of the hexadecapole deformation on the properties of one-quasi-particle states of the rare-earth nuclei, 23:19251 (JINR-P4-4259)
  Elambda transitions and allowed β decay in odd deformed nuclei, 23:25909
  Equilibrium deformations of rare-earth and transuranium nuclei, 25:5860
  Influence of the hexadecapole deformation on the properties of quasi- particle states of nuclei in the region of the rare earths, 23:44886 (KFK-tr-294)
  One particle levels of average field in deformed nuclei, 21:12076 (JINR-P4-2976)
  One-particle states of deformed nuclei of rare-earth region, 21:40424 (JINR-P4-3451)
  Probabilities of Elambda transitions and β-decay in odd-mass nuclei, 22:42100 (JINR-P4-3935)
  Probabilities of Elambda transitions and allowed β decay in odd-mass deformed nuclei, 23:49440 (BNL-tr-285)
  Single-particle energies and wave functions for Saxon—Woods potential and levels of odd-A nuclei in actinide region, 25:50754
  Single-particle energies, and Saxon—Woods potential for wave functions, and levels of odd parity nuclei of actinides, 25:23023 (JINR-P4-5470)
  Single-particle state of deformed nuclei in transuranium region of Saxon—Woods potential, 25:5684 (JINR-P4-5221)
  Single-particle states of deformed transuranium nuclei in Saxon—Woods potential, 25:31392 (BNL-tr-416)
  Spin-orbital interaction in heavy deformed nuclei, 21:34026 (JINR-P4-3325)
  Sturm—Liouville functions applied to solving the Schroedinger equation in anisotropic Saxon—Woods potential, 25:53376
  Table of wave functions of single-particle states of transuranium region deformed nuclei in Saxon—Woods potential, 25:20481 (JINR-P4-5457)
  Tables of wave functions of one-particle states of deformed nuclei of rare-earth region, 22:9852 (JINR-P4-3607)
IVANOVA, S. R. Kinetics of Cs ion desorption from Cs form of vermiculite, 24:9416 (A-AC-82/G/L-1287)
IVANOVA, T. A. Injection of energetic electrons into magnetosphere during magnetic storm, 25:30352
IVANOVA, T. F. Effects of combined chemical, radiation, and hormonal therapy on hematopoiesis in mammary cancer patients, 23:20290
  Peculiarities of injury to the blood in rats at an early age as a result of total x ray irradiation, 21:6666
  Spectral-isotopic method for the determination of gases in metals by means of a direct current arc, 23:2244
IVANOVA, T. I. Calculation of potential in Penning cell in presence of spatial charge, 22:7315
  Calculation of the ion trajectories in a Penning discharge, 25:36133
  Estimate of usability of austenitic steels for nuclear power units with sodium heat transfer medium, 25:34335 (JPRS-53069, pp 197-203)
  Evaluation of the suitability of austenitic steels for use in sodium-cooled nuclear power plants, 25:47090
  Influence of magnetic field on trajectory of ions in Penning discharge gap, 25:33247
IVANOVA, T. M. Extraction of La, Pr, and Nd with oxygen-containing organic solvents, 23:7607
  Extractive separation of La, Pr, and Nd with cyclohexanone, 23:7606
  Objective analysis of ^{90}Sr concentration field in Atlantic Ocean, 23:49968
IVANOVA, V. N. Precipitation of Nb and Ta with salicylfluorone from acid solutions, 23:372
IVANOVA, V. S. Fatigue and brittleness of metallic materials, 23:51060
  Fatigue strength of Cu/W composition, 23:36084
  Mechanical properties and deformation characteristics of nickel and titanium reinforced with tungsten wire, 25:670
  Radiation polymerization. IX, 23:266
IVANOVA, Z. I. Use of cupferron for the potentiometric determination of thorium and cerium when present together, 25:28958
IVANOVA, Z. M. Gamma-spectrometer with an anticoincidence scintillation shield, 21:32377 (AEC-tr-6719, pp 59-63)
IVANOVA, Zh. M. Extraction-complexometric determination of lanthanum in the presence of aluminum, 23:28704
IVANOVA-CHEMISHANSKA, L. Early changes in absorbability of ^{131}I by thyroid in acute experimental intoxication with dithane M-45, 23:29325
IVANOVIC, Svetlana Ventilation of nuclear power plant premises, 24:20572
IVANOVIC, Zora Effect of irradiation on erythropoiesis of rats, 24:866
IVANOVICH, M. Deuteron tensor polarization in p-d elastic scattering, 21:2615
  Deuteron tensor polarization in the ^{9}Be(p,d)^{8}Be reaction, 21:25444
  Elastic scattering of several hydrogen and helium isotopes from tritium, 22:20435
  Final-state interactions in ^{6}Li(d,^{6}Lip)n reaction, 25:50645
  Proton—neutron final-state interactions in the D(d,dp)n reaction, 25:7803
  Reaction ^{2}H(p,pn)p, 25:17691
  Tensor polarization of deuterons from ^{12}C-d elastic scattering, 22:32495
  Tensor polarization of deuterons from ^{12}C-d elastic scattering, 22:37290 (ANU-P-406)
  Tensor polarization of deuterons in alpha-deuteron elastic scattering, 21:1021
IVANOV-KHOLODNI, G. S. Ionization of e region by precipitating electrons, 25:27527
IVANOV-KHOLODNYI, G. S. Additional ionization source in E region. II, 25:24959
  Aeronomy of the ionospheric E and D regions, 25:16901
  Anomaly in the composition of generated ions and certain phenomena in the lower ionosphere, 21:20871
  Concerning an additional ionization source in the E region of the ionosphere. I, 25:16915
  Determination of ionization rate in F2 layer, 22:24116
  Diurnal variations of electron concentration and the change in ionospheric temperature at heights of 160 to 200 km, 22:34412
  Energy spectra of electron fluxes in upper atmosphere, 24:30223
  Estimate of negative ion concentration in the D region of ionosphere, 22:29345
  Ion composition and variations of the effective recombination coefficient in the ionosphere, 21:46255
  Ion formation intensity at heights of 100 to 300 km, 21:5170
  One of the possible mechanisms of formation of thin sporadic ionospheric layers, 21:5186
  Quasi-equilibrium ion concentrations in the ionospheric E-region, 24:12744
  Relation of electron concentration at heights of 100 and 110 km to geomagnetic field disturbance, 21:39924
  Sun and ionosphere, 24:19656
  Upper atmospheric ionization due to photoionization and collision of charged particles, 25:5015
IVANOV-KHOLODYNYI, G. S. Variation of electron concentration in the E region at large Z/sub sun mass/, 23:20798
IVANOV-MUROMSKII, K. A. Protective effect of electronarcosis in extreme cases of radiation sickness, 22:49484 (JPRS-39515, pp 1-13)
IVANOVSKAJA, I. A. Neutral bosons decaying into π^0 mesons and γ quanta, 21:17043 (JINR-E1-3100)
IVANOVSKAYA, G. F. Electrophysical properties of niobium films produced and annealed in a very high vacuum, 25:55507
  Production of Nb films in very high vacuum, 24:17238
IVANOVSKAYA, I. A. Accuracy of γ-quanta energy determination in Xe bubble chamber, 21:30695 (JINR-P1-3317)
  Effective mass spectra of the $\gamma\gamma$, $\pi^0\gamma$, $\pi^0\gamma\gamma$, $\pi^0\pi^0$, π^0eta^0, $\pi^0\pi^0\gamma$, $\pi^0\pi^0\pi^0$ systems in mass value region M (γ.......γ) less than or equal to 1.3 GeV, 25:14560 (JINR-E1-5349)
  M($\pi^0\pi^0$) effective mass spectrum, 23:42564
  Neutral decay modes of the eta^0 particle, 25:17353 (JINR-E1-5256)
  Neutral decays $\omega^0 \rightarrow$ etaγ and $\omega^0 \rightarrow \pi^0\pi^0\ \gamma$, 23:42563
  Precision of the determination of the energy of gamma quanta in xenon bubble chambers, 22:38084
IVANOVSKII, G. F. Electron fusion of molybdenum in controlled gas medium, 22:36444
  Molybdenum gas separation at elevated temperatures, 22:17096
  Nonmetallic inclusions in molybdenum as function of means of melting, 23:3087
IVANOVSKII, L. E. Cathodic processes during deposition of zirconium and hafnium on liquid zinc in chloride—fluoride melts, 24:42075
  Niobium precipitation on liquid zinc cathode, 25:13642
  Reactions of Hf and Zr in halide melts, 24:51142
  Refractory metal separation by fused salt electrolysis, 25:16426
IVANOVSKII, M. A. Compensation of resonance perturbations in stellarator magnetic field, 24:51729 (NP-18477)
  Compensation of resonance perturbations of a stellarator magnetic field, 25:17219 (CTO-741)
  Confinement of a plasma in a two-turn stellarator at resonance values of the rotational transform angle, 25:38372 (CONF-710607-105)
  Injection of a plasma into a closed magnetic trap with a two-phase helical field, 21:18737
  Injection of plasma into closed magnetic trap, 23:12750
  Magnetic field structure of Tor-2 stellarator, 24:17977 (NP-18162)
  Motion of a plasma jet in toroidal plasma waveguide with rotation angle 10°, 23:51643
  Study of magnetic field structure of TOR-2 stellarator, 24:15351 (MATT-Trans-97)
  Tor-2 stellarator, 23:51710 (NP-tr-1847)
IVANOVSKII, M. D. Extraction of U and Th by monocarboxylic acids, 22:42839
  Extraction of U, Th, and associated elements by monocarboxylic acids, 21:17722
IVANOVSKII, M. N. Conductometric impurity indicator in liquid-metal coolants, 22:34049
  Dependence of dropwise condensation heat transfer coefficient on temperature, 22:42967
  Electrical resistance of molten lithium, 24:36904
  Heat conduction of a Laminar layer of liquid metal, 21:43137
  Heat conductivity of the boundary layer of liquid-metal coolant currents, 21:41112
  Heat transfer in film and dropwise condensation of liquid metal vapors, 23:11715
  Hydrogen impurity control in sodium systems, 24:33854
  Indication of oxide and hydride content in melted sodium by measuring electrical resistivity, 21:12332
  Investigation of heat and mass transfer in a heat pipe with a sodium coolant, 25:6459
  Investigation of the possibility of monitoring impurities in liquid—metal coolants by measurement of the electrical resistance, 21:24139 (ORNL-tr-1609)
  Physico-chemical analysis of handling liquid metal coolants, 25:11342
  Purification of liquid-metal coolants by impurity crystallization out of solution, 23:45383
  Some problems of boiling and outgassing in sodium, 23:52337 (JPRS-48330, pp 396-425)
  State and distribution, monitoring, and elimination of impurities in circulating alkali metal coolants, 21:26030 (ORNL-tr-1608)
  State of admixtures in cesium used in a thermionic converter, 21:46201
  Study of sodium purification carried out by means of high-efficiency diffusion-type cold traps, 21:30527
  Turbulent flow of liquid—metal coolant, 21:25640 (ANL-Trans-425)
IVANOVSKII, N. N. Contamination of Na heat carrier, 23:50985 (JPRS-48330, pp 486-517)
  Continuously-active indicator for the diffusion of hydrogen in sodium, 25:11400
  Determination of O and H in Na, 21:30356 (ORNL-tr-1612)
  Purification problems of a sodium heat carrier, 23:50021 (JPRS-48330, pp 518-52)
IVANSHIN, Yu. I. Electron energy measurement by the shower spectrometer, 25:18779
  Time properties of a spark chamber filled with helium and helium—hydrogen mixture, 25:42136 (JINR-P13-5828)

IVANTER, I. G. Electrodisintegration of deuteron with production of resonances, 22:13710
  Four-fermion interactions and the electromagnetic mass differences of baryons, 21:2417
  Investigation of periodic structures in superconductors of the second kind by means of μ mesons, 22:48048
  Isobar electroexcitation, 22:1412
  Muonium in magnetic field, 23:36499
  Muonium mechanism of μ^+ meson depolarization in media with tensor relaxation of muonium electron spin, 23:30318
  On the magnetic moments of baryons, 21:17161
  Theory of chemical reactions involving muonium, 23:2363
  Theory of muonium mechanism of depolarization of μ^+-mesons in media, 22:22375
  Theory of μ^+-meson depolarization in which charge exchange and formation of unstable chemical compounds are taken into account, 25:53120
  Two-frequency precession of muonium in magnetic field, 25:27446
IVANTSOV, A. I. Theoretical extraction stages in joint extraction of several macrocomponents into TBP, 25:39595
  Thermodynamic constants for U^{4+} complexing with OH^- ions and Zr^{4+} with OH^- and NO_3^- ions, 21:19622
IVANTSOV, V. G. Dielectric penetration of liquid solutions ^3He—^4He, 24:21708
  Linear flow velocity of a film in helium isotope solutions, 21:15055
IVANYUKOVICH, G. A. Absolute determination of the density of rocks and ores in diamond-drill holes from gamma—gamma logging data, 25:21185
  Gamma-radiation filters for sondes of gamma—gamma density method, 24:2507
  Scintillation spectra of scattered gamma-radiation from point sources, 23:42382
  Ways of approximately modeling gamma fields in mediums of different density and mineralogic composition on the basis of the similarity principle, 25:21181
IVANYURA, I. O. Effect of x-rays and radial accelerations on water-soluble proteins, 24:4572
IVASCU, M. (α,p) reactions on ^{26}Mg and ^{27}Al in 12 to 16 MeV energy range, 21:21511
  (Reaction α,p) on the odd nuclei ^{63}Cu, ^{65}Cu, and ^{59}Co, 25:1729
  $^{66}Zn(\alpha,\alpha_1\gamma)^{66}Zn$ angular correlation, 25:50675
  Alpha-particle scattering from ^{20}Ne and ^{40}Ar at 13 and 17 MeV, 25:25675
  Excited levels of the ^{84}Rb and ^{86}Rb nuclei, 24:45772
  Proton scattering on ^{22}Ne, 23:13241
  Reaction $^{88}Sr(tau,\alpha)^{87}Sr$ at E/sub tau/ = 17.5 MeV, 25:28277
  Reactions (α,p) on nickel isotopes at 19.3 and 20.1 MeV bombarding energies, 22:37318
  Scattering of alpha particles by ^{27}Al, 23:46975
  Scattering of α particles between 12 and 16 MeV on even—even nuclei, 21:38276
  Scattering of α-particles by ^{63}Cu, ^{64}Ni, ^{65}Cu, and ^{66}Zn, 25:17793
  Scattering of low-energy alpha particles by medium-weight even—even nuclei (^{54}Fe, ^{60}Ni, and ^{66}Zn), 22:20551
  Spectroscopy of ^{37}Ar, 25:34049
  Study of $^{88}Sr(tau,\alpha)^{87}Sr$ reaction, 25:45969
  Study of the (α,p) reactions on ^{10}B and ^{12}C in the energy range from 12 to 16 MeV, 21:29899
  Study of the α—γ correlation for $^{32}S(\alpha,\alpha'\gamma_{1,24})$ reaction, 21:44605 (ZFK-122, pp 249-57)
IVASH, E. V. Effects of (p,n) and (n,p) knockout reactions, 24:20374
IVASHCHENKO, A. P. Angiographic investigations of the lungs after local x-ray irradiation, 21:20333
IVASHCHENKO, G. A. Moisture measurements in various materials by proton recoil method, 23:47400
IVASHCHENKO, N. I. Effect of 2,4-dinitrophenol on frequency of recessive lethal mutations induced by radiation in Drosophila, 25:39908
IVASHCHENKO, R. K. Change of mechanical properties and dislocation structures of deformed molybdenum alloys during annealing, 24:8145
  Effect of structure and test conditions on the mechanical properties of low-alloy molybdenum, 25:45037
  Effect of the deformation temperature on the structure and mechanical properties of low-alloyed molybdenum, 25:58231
  Influence of structure and testing conditions on the mechanical properties of low-alloyed molybdenum, 25:27221
IVASHCHENKO, Yu. N. Mass-spectrometric investigation of ionic emission from bombardment of metals by argon ions, 25:38136
IVASHENTSEV, Ya. I. Chlorination of samarium oxide by vapors of carbon tetrachloride, 22:6274
IVASHIN, V. V. Improvements of the 1.5 GeV electron synchrotron, 24:30628
  Production of high electromagnetic energies by combined work of pulse excited oscillator and condenser battery, 25:33319
IVASHKEVICH, A. A. Explanation of experimental data by the critical heat flux in fluid flow in tubes, 22:19041
IVASHKEVICH, S. A. Remote control nuclear magnetometers, 22:23361
IVASHKIN, A. B. Effect of anisotropy of conductivity on distribution of current and thermal flux in high-current plasma accelerators, 25:22503
  Electrode erosion in quasi-stationary plasma accelerators, 24:26182
  Erosion characteristics of a quasi-stationary plasma accelerator, 25:33289
IVASHKIN, V. I. High-efficient dynamic quadrupole mass spectrometer, 22:43191
IVCHENKO, N. G. Cherenkov counter, 24:16861
IVCHENKO, V. E. Digitizer for coding center of HPD track signal, 25:44681 (IFVE-SPK/OPI-70-56)
  Leveling out system of a multi-channel analyzer with memory of the combination type, 22:36144
  Shaping devices for grating and track signals, 25:44680 (IFVE-SPK-70-59)
IVEL'SKAYA, M. K. Ionization function at minimum solar activity, 25:16983
IVENS, G. Operational experience with AVR reactor, 23:37554
IVENS, G. P. Operating experience with the AVR, 24:50140 (CONF-700401-, pp 34-59)
IVENSEN, V. A. Structure of WC—Co alloys at plastic deformation, 23:36258
IVERSEN, I. B. Observation of vlf-radio noise in the ionosphere during an auroral absorption event, 22:34399
IVERSEN, James D. Data-reduction technique for the analysis of nonlinear motion, 21:19524 (SC-RR-66-553)
IVERSEN, K. High temperature brazing of reactor components, 25:35327
IVERSEN, Kay Determination of uranyl and thorium(IV) by gas chromatography of volatile mixed-ligand complexes, 25:41725
IVERSEN, R. J. Simple method of preparing magnesium oxide secondary emission surfaces, 23:4858
IVERSON, G. J. E2-parametrization of SL(2,C), 24:30538
  Group-theoretical interpretation of complex angular momentum, 21:44454
  Representations of O(3,1) and Regge daughter-poles, 22:17998
  Theory of weak interactions with continuous-spin neutrinos, 25:7617
  Theory of weak interactions with continuous spin neutrinos, 25:47812
IVERSON, Garn K. Combination personnel dosimeter and security credential holder, 23:697 (NVO-162-27)
  Identification badge dosimeter, 22:38106
  Identification badge dosimeter, 22:43117
IVERSON, Geoffrey J. Conference on fundamental interactions at high energy, Coral Gables, Fla., 1/70. II, 25:47769
  Quantum fields and interactions of massless particles: the continuous spin case, 25:38783
IVERSON, H. F. Evaluation of electrowon W sheet, 25:24551
IVERSON, H. G. Characteristics of electrowon and of hydrogen-reduced molybdenum powder and sheet, 25:4740 (BM-RI-7455)
  Evaluation of electrowon tungsten sheet, 24:27755 (BM-RI-7385)
  Strain-aging effects in electrorefined V, 23:36062 (BM-RI-7222)
IVERSON, Peter Michael Reactions of thorium carbide in a fused salt—liquid metal system, 23:28950 (IS-T-300)
IVERSON, R. M. Osmotic concentration of contractile vacuole of Amoeba proteus following uv-light irradiation, 21:18151
IVERSON, Stuart L. Occurrence and distribution of small mammals in WNRE controlled area, Pinawa, Manitoba, 23:17962 (AECL-3184)
IVES, B. F. Development of radioactive pebble bed chemical reactor system, 25:21233 (NYO-3864-2)
IVES, Jack D. Radiocarbon isochrones on the disintegration of the Laurentide Ice Sheet, 24:309
IVES, K. D. High-temperature strain gages and deformation transducers for use in sodium environments, 22:12674 (ANL-7380, pp 91-101)
IVES, M. B. Dissolution spirals on gamma-irradiated lithium fluoride, 21:27250
IVES, Margaret Toxicity studies on radiation-pasteurized foods, 24:9977 (TID-25230)
IVEY, H. J. Relationships between bubble frequecy, departure diameter, and rise velocity in nucleate boiling, 21:43135
IVINS, R. Capsules and sodium loops used in TREAT Reactor, 24:18700 (CONF-690910-, pp 38-51)
IVINS, R. O. Calculation of the extent of metal-water reaction and core heating during a loss-of-coolant accident (CHEMLOC Program), 22:5979
  Effect of the chemical reaction between steam and cladding on the analysis of a power reactor accident, 21:21666
  Heat transfer from small hot spheres moving through water, 22:32873
  Pressure generation by molten fuel-coolant interactions under LMFBR accident conditions, 25:57073 (CONF-710302-(Vol.1), pp 25-49)
  Reaction of molten sodium spray with air. II, 24:207
  Reactor safety, 24:2004 (ANL-7575, pp 130-5)
  United States liquid metal fast breeder reactor safety program, 22:53356
  Use of the thermal TREAT Reactor for fast reactor safety studies, 24:18701 (CONF-690910-, pp 52-8)
IVINS, Richard O. Behavior of Zircaloy-clad UO_2 fuel during nuclear transients in TREAT, 24:7190
  CHEMLOC-II: Program describing core heating and cladding—steam reaction for reactor following loss of coolant, 23:4269 (ANL-7361)
  Fuel failure behavior during in-pile meltdown tests, 24:18708 (CONF-690910-, pp 378-400)
  Heat removal and containment following meltdown of an LMFBR core, 24:7154
  Laboratory simulations of cladding-steam reactions following loss-of-coolant accidents in water-cooled power reactors, 24:36043 (ANL-7609)
IVKIN, M. V. Distribution of hot electrons in a plasma heated by an electron beam in a magnetic mirror machine, 24:8432
IVKOVIC, Magdalena Determination of reactor parameters, 24:24916
  Material buckling in Helena natural U—graphite subcritical assembly, 22:48745
IVLEV, A. A. Equilibrium isotope effects of complex compounds, 25:37361
  Isotope exchange reactions. VIII, 25:34585
  Isotopic exchange laws. VII, 25:4072
  Mass-spectrometric analysis of isotopic composition of some transition elements, 25:31799
  Mass-spectrometric analysis of the isotopic composition of iron in the gas phase, 25:54404
  Partition function ratios of isotopically substituted molecules, 21:34326
  Possibility of isotope separation of intermediate and heavy elements through chemical exchange, 23:17520 (ORNL-tr-2100)
  Regularities in isotopic exchange thermodynamics. V, 22:4261
  Regularities in thermodynamics of isotopic exchange. III, 21:40972
  Rules of thermodynamics of isotopic exchange. VI, 23:37966
  Separating isotopes of elements of medium and high mass by chemical exchange, 23:409
  Some laws in the thermodynamics of isotope exchange, 21:32169
  Thermodynamic isotope effects of hydrides, 23:24156
IVLEV, B. I. Influence of nonequilibrium excitations on the properties of superconducting films in a high-frequency field, 25:40552
  Simulated superconductivity in thin films, 25:3031
IVLIEV, D. Ya. Development of an elementary magnetic disturbance, 25:2978
  Diurnal energy pattern of auroral electrons, 23:51507
IWABUCHI, Masaki Factors affecting rejoining of chromosome breaks produced by x rays. I, 21:10840
  Factors affecting the rejoining of chromosome breaks produced by x rays. II, 21:10839
  Production of two different types of chromosome breaks by x-rays, 21:10842
IWADATE, S. High-sensitivity continuous plutonium air monitor, 22:28157
IWAHARA, H. High temperature type solid electrolyte fuel cells, 21:27033 (NP-tr-1526)
IWAHARA, Shigeo Dissociation of E. coli ribosome by uv-irradiation, 24:2837
IWAHARA, Shigetoshi Determination of ^{14}C and simultaneous determination of ^3H and ^{14}C in biological materials by liquid scintillation counter, 23:16233
IWAHASHI, Katsutoshi Specific heat study of La/sub 3-x/Gd/sub x/Al system, 25:52738
IWAI, Akira Dispersion of waves in the lower exosphere with multiple ionic species, 24:30232
  Rocket observation of VLF radio waves in the ionosphere, 24:37327
IWAI, Koichi Histones of rice embryos, 22:6240 (LA-tr-67-87)
IWAI, Makoto Effect of added scatterers on nuclear criticality, 24:36083
IWAI, Masaru Device for indicating the degree of exhaustion of an exhausting wall, 22:10621
  Radiation monitoring system of Tohoku University Electron LINAC, 22:32420
  Radiation monitoring system, 24:488
IWAI, S. An analytical approach for sudden injection process in organ circulation, 24:32067
  Measurement of plasma flow rate and glomerular filtration rate, 23:29647
  Radiocardiogram analysis by analog computer simulation, 23:29648
  Testing of feasibility of ball bearings in liquid sodium environments, 23:46036 (ANL-7520(Pt.2), pp 121-9)
IWAI, Shigehisa Decontamination characteristics of evaporation facilities, 23:45498
  Decontamination characteristics of low-level radioactive liquid-waste treatment plant, 23:45499
  Dynamic concentration process of radioactive substances to aquatic organisms, 25:10998
  Elution of radionuclides from solidified wastes, 22:51079
  Elution of radionuclides from solidified wastes, 24:34981
  Movement through soil of radioactive nuclides contained in chemical processing waste, 22:51208
  Radioactive waste disposal, 23:16065 (KURRI-TR-9, pp 3-5)
  Solidification of high radioactive liquid waste with cement, 22:43018 (NSJ-tr-113)
  Study on the solidification of high-level radioactive liquid waste with cement, 22:4419
  Treatment and disposal of radioactive wastes, 23:45500
IWAI, Shozo Device for releasing a reactor safety-rod, 21:15802
  Device for supporting fuel elements in the fuel assembly, 22:48756
IWAI, Sigehisa Removal of radioactive iodine vapor with ion-exchanger, 21:32356
  Removal of radioactive iodine vapor with ion-exchanger, 23:350 (NSJ-tr-117)
IWAI, Syozo Device for joining fuel-rod clusters, 23:21565
IWAI, T. Active species in the radiation-induced postpolymerization of trioxane, 23:7573
  Radiation-induced postpolymerization of trioxane in solid state, 21:43005
IWAI, Tadashi Acetylation of polyoxymethylene prepared by radioinduced polymerization of trioxane, 24:31390
  Method for the stabilizing of polyoxymethylene using high energy radiation and acetic anhydride, 25:21024
  Physical properties of polyoxymethylene prepared by postpolymerization of trioxane, 24:31322
  Production of polyacetal resin by radiation polymerization, 25:4098
  Radiation-induced postpolymerization of trioxane in the solid state. II, 25:10611
  Radiation-induced solid-state polymerization of trioxane under high pressure, 25:23603
  Radioinduced polymerization of trioxane, 24:31389
  Radioinduced polymerization of trioxane, 24:31388
IWAI, Yoshiaki Activation analysis (γ,n) of human blood, 22:42642
IWAI, Yuko Study of adrenal medullary cells of rats following whole body x-irradiation, 23:41462
  Study on the relationship between blood pressure and chromaffine cells of the adrenal medulla after x-ray irradiation, 22:45666

IWAKI, Atsuko Analysis of $\pi^+p \to \pi^0N^{*++}$ reaction by Regge pole model, 22:29714
  Antinucleon—nucleon inelastic processes, 22:17860
  One-particle-exchange contribution and two-body reaction at high energy, 23:39732
  Reaction $\pi^+p \to \pi^0N^{*++}$ at high energy and correction to rho-exchange contribution, 25:12223
IWAKI, I. Optimum planning for radiation facilities, 25:54852
IWAKI, Masaya Concentration profiles of room-temperature ion-implanted indium in silicon, 25:36282
IWAKI, T. Parametric studies leading to nuclear characteristics of JAERI design studies, 23:47182 (ANL-7520(Pt.2), pp 99-109)
  Plant system parametric study on sodium-cooled prototype fast breeder reactor, 23:47156 (ANL-7520(Pt.2), pp 110-20)
  Reasons for choice of major mechanical designs in the JAERI design studies, 23:47155 (ANL-7520(Pt.2), pp 90-8)
  Reference concepts of the JAERI large fast reactor design studies, 23:47153 (ANL-7520(Pt.2), pp 77-85)
  Safety consideration in setting the design criteria on the JAERI design studies, 23:47218 (ANL-7520(Pt.2), pp 67-76)
  Special engineering problems involved in the JAERI design studies, 23:47154 (ANL-7520(Pt.2), pp 86-9)
IWAKISHI, A. Catheter-type semiconductor radiation detector, 24:31699
IWAKISHI, Akira Leakage-proof neutron diffractometer, 25:25621
  Measuring technique of low level radioactivity, 24:487
  Nuclear instrumentation system for PWR, 22:42480
IWAKOSHI, Yonesuke Operating experience of Tsuruga power station, 25:60191
  Operation experiences of JAPC Tsuruga Power Station, 25:23138
  Operation experiences of Tokai power station, and planning for Tsuruga power station, 22:14170
  Regular inspection in fiscal 1967 of the JAPC Tokai power station, 22:53296
IWAKURA, Tetsuo Matching photomultipliers to solutes in liquid scintillation counting, 22:8343
  Measurement of beta activities in aqueous solution, 24:2142
  Recent radiocarbon in plants, 22:40710
  Use of commercially available nonionic surfactants in liquid scintillation counting for tritium, 24:2141
IWAKURA, Tomikazu Lactate dehydrogenase activity in cervical cancer, 25:57937
IWAMA, Naofumi Electromagnetic-wave scattering from a plasma, 24:26250
  Measurement of electron-density correlations in reverse-brush-cathode plasma, 24:47202 (IPPJ-DT-16)
IWAMA, Toshio Newly constructed hot caves, 24:31570
IWAMASA, R. T. Oxidation of 2-methoxyethanol to methoxyacetic acid by nitric acid solutions, 25:26223
IWAMOTO, Fumiaki Improved number conserving treatment for a nuclear pairing model, 21:35529
  Theory of solid helium, 21:13495
IWAMOTO, Iwao Density and temperature of laser-produced plasma in a space chamber, 21:33471
IWAMOTO, J. Correlation between ingestion, accumulation, and excretion of fallout ^{90}Sr in man on a long-term scale, 23:38563
  Intake and excretion of ^{137}Cs in man, 23:20090
  Variation of Sr—Ca observed ratio (urine/diet) in man, 23:50474
IWAMOTO, Junko Removal of deposited Pu from body by chelating agents, 24:2647 (JAERI-4048)
  Retention, excretion, and blood concentration of ^{137}Cs by rat, 23:43665
IWAMOTO, K. Crack propagation in overlaid nozzles of a nuclear reactor, 24:26700
  Escape behavior of non-gaseous fission products recoiled into graphite, 23:16550
IWAMOTO, Kazumi Analysis of fission gas escape from reactor fuel during isothermal irradiation, 22:49863
  Analysis of the escape behavior of Xe captured in graphite by nuclear recoil. II, 21:43678
  Behavior of iodine in adsorption and desorption by graphite, 22:50957
  Desorption of barium from graphite, 23:24170
  Evaporation—concentration of synthetic highly-radioactive waste solution, 23:2393
  Evaporation—concentration of synthetic highly radioactive waste solution by submerged combustion, 23:6215
  Formation of organic I by I released from irradiated fuel, 25:75
  Glassification of Purex-type waste solution. I, 23:4738
  Glassification of Purex-type waste solution. II, 23:4739
IWAMOTO, M. Internal phenomena in a superconducting coil, 21:31365
IWAMOTO, Masatami Superconducting coil, 22:22085
IWAMOTO, Nobuya Application of activation analysis to inclusions containing chromium, 22:22954
IWAMOTO, Satoshi Observations of wind profile at Research Reactor Inst., Kyoto Univ, 25:21206
IWAMOTO, Takeo ESR study on irradiated monomer and polymer of 3,3-bis(chloromethyl)oxetane, 21:19686
  ESR study on irradiated monomer and polymer of 3,3-bis(chloromethyl)oxetane, 21:19701
  ESR study on irradiated monomer and polymer of 3,3-bis (chloromethyl) oxetane, 22:8104 (AEC-tr-6908, pp 145-53)
  Ion radical formation from α-methylstyrene in irradiated organic glasses, 23:31373
  Ion radicals of styrene in irradiated organic glasses, 23:17394 (JAERI-5018, pp 70)
  Ion radicals of styrene in irradiated organic glasses studied by electron spin resonance, 23:19760
IWAMURA, Y. Final-state interaction between the Λ^0 hyperon and ^{3}H in $K^- + {}^4He \to \Lambda + {}^3H + \pi^0$ reaction, 24:52124
IWANAGA, Hikaru Effect of preceding mer units on stereospecific polymerization found in oligomers of isopropyl acrylate, 22:10220
IWANAGA, M. Image analysis of thermal neutron radiographs, 23:7712 (NP-tr-1716)
IWANAGA, Yoshihiro Lubrication oil for atomic power generation. II, 25:789
  Lubrication oils for atomic power generation. I, 24:42304
IWANAMI, Tomio Electron gun for an electron accelerator, 23:30872
IWANAMI, Yozo Physiological researches of pollen. XVII, 24:44632
IWANOV, D. Growth of Zn and Cd whiskers from vapor phase, 22:3192
IWANOVSKI, G. F. Sorption of hydrogen on condensed titanium layers at low pressures, 21:34448
IWANOVSKII, G. F. Getter-ion pumps with directly heated titanium evaporators, 21:34457
  Sorption of inert gas ions by titanium, 21:34458
IWANOWSKA, W. Statistical population indices of class M long period variables, 22:24014
  Statistics of late-type stars, 22:24009
IWANOWSKA, Wilhelmina Characteristics and statistical population indices of Mira type variables, 22:47762
IWANSKI, J. R. Association of coronal structures with chromospheric structure, 24:37131
IWANYSHYN, O. Evaporated superconducting weak-link junctions, 24:19834
IWAO, Hiroyuki Influence of ^{60}Co γ-ray on potato, 25:19160
IWAO, S. Axial-vector, coupling-constant renormalization and weak interactions, 21:9765
  Consistency of the approach in current algebra, 21:2441
  Photonic decay of hyperons and Suzuki—Sugawara Hamiltonian, 21:27352
  Soft-pion production and algebra of currents, 21:9778
  Spectral-function sum rules for currents carrying spin 2, 22:37095
  Sum rules for axial-vector coupling-constant renormalization, 21:25277
  Three-body photonic decay of hyperons and algebra of currents, 21:37765
IWAO, Syurei Chew—Frautschi plot for nucleon—nucleus scattering, 23:39967
  Chiral dynamics for photo-hadron and weak interactions, 22:29678
  Current-algebra calculation of the Λ to Σ ratio in the isospin-1 s-wave anti KN reaction, 22:7504 (NP-17150)
  Current-algebra calculation of the Λ to Σ ratio in isospin-1 s-wave anti KN reaction, 22:9604
  Four-body semileptonic decay of hyperons and algebra of currents, 22:9570
  Implications of duality for anti KK resonances and A2 splitting, 25:53169
  Leptonic decay of the pion and the spectral function sum rules, 22:32098
  Masses of bosons with higher spins and the spectral function sum rules, 22:34967
  Masses of bosons with spin one unit and the algebra of fields, 22:29688
  Model of elementary particles based on infinite component fields, 22:7531 (NP-17151)
  Model of elementary particles based on the infinite component fields, 22:9579
  N/sub α/ and N/sub γ/ trajectories in the backward $K^-n \to \Lambda\pi^-$ reaction, 25:22821
  Nuclear Chew—Frautschi trajectory for nuclides with Z = 1—20, 24:22215
  Regge pole model and anomalous magnetic moments of neutral hyperons, 24:42900
  Regge trajectory for nucleon—nucleus scattering, 23:13330
  SU(3) crossing relation for meson—baryon scattering and Regge pole theory, 23:3746
  Test of Regge pole model, 23:39725
  Theory of neutral weak current, 25:12170
  Two-photon associated decays of K meson, 24:42926
IWASA, Tatsuya Scattering chamber for three-body nuclear reactions, 23:42821
IWASA, Y. Concerning the reduction of liquid helium consumption in superconducting magnetic operation, 22:48069
  Current capacities of superconducting V_3Ga tapes, 24:21733
  Energy released by flux jumps in superconductors, 24:30298
  Formation of the macrovortex structure in hard superconductors, 21:35129
  Macrovortex structure in hard superconductors, 22:29449
  Macrovortices and transient stability in hard superconductors, 21:39943 (MIT-3700-5)
  Magnetization of superconducting composite wires, 23:25276
  New high-field superconductor, V_2Hf/sub x/Zr/sub 1-x/, 25:38300
  Persistent current loops in hard superconducting wire, 21:5211
  Superconducting properties of V_3Ga tapes and solenoids, 25:45411
  Threshold currents of large cross-section superconductors, 25:19624
  Transient response and stability limits of superconducting composite wire, 24:5115
  Transient stability limits for composite superconductors, 23:30506
IWASA, Yukikazu Stability and spatially periodic magnetization of hard superconductors, 21:37344 (MIT-3700-6)
IWASAKI, Bunji Thermodynamic properties of nonstoichiometric ceric oxide, 25:47173
IWASAKI, Hiroshi Congruent melting composition of lithium metatantalate, 25:55639
IWASAKI, Iwaji Distribution of Ra in hot springs, 24:19088
  Mechanisms of formation of strongly radioactive springs. III, 24:316
  Photometric determination of I in silicate rocks, 25:20917
  Radium (^{226}Ra) distribution in hot springs and formation mechanism of radioactive springs. II, 23:26360
  Radium-226 distribution in hot springs and origin of highly radioactive springs. V, 25:34736
IWASAKI, Koji Development of nuclear fuels in Japan, 23:20487
IWASAKI, M. Electron spin resonance of γ-irradiated tetrafluoroethylene—hexafluoropropylene copolymers, 21:36016
  Electron spin resonance of γ-ray produced ion radical pairs in a single crystal of maleic anhydride, 22:47159
  ESR of irradiated single crystal of difluoromalonamide, 24:19020
  Kinetics of the fluorination of uranium dioxide pellets by fluorine, 22:14568
IWASAKI, Machio Behavior of peroxy radicals trapped in γ-irradiated polypropylene, 23:26304
  Change with temperature of ESR spectra of peroxy radicals trapped in irradiated polytetrafluoroethylene, 22:23071
  Change with temperature of ESR spectra of CF_2CF_2, 23:45342
  Electron spin resonance evidence for positive holes produced in irradiated single crystals of carboxylic acids, 25:41841
  Electron spin resonance of trapped free radicals and the photoinduced radical conversion in γ-irradiated isotactic polypropylene, 21:25887
  Electron spin resonance studies on graft copolymerization of gaseous styrene onto preirradiated polypropylene. I. Preirradiation in the presence of oxygen, 24:38904
  ESR of peroxy radicals trapped in γ-irradiated trifluoroacetamide, 23:40751
  ESR of radical pairs in irradiated polymers. The ΔM = 2 transitions, 21:19671
  ESR study on the photoinduced isomerization of the tert- to isobutyl radical in γ-irradiated isobutyl bromide, 21:19672
  New type of radical in irradiated single crystals of carboxylic acids, 24:29317
  Pairwise trapping of radicals in irradiated n-hydrocarbons and related compounds as studied by electron spin resonance, 23:21753
  Pairwise trapping of radicals in irradiated high polymers as studied by electron spin resonance, 23:21752
  Radiation high-polymer chemistry, 22:51016
  Radical conversions in γ-irradiated copolymers of tetrafluoroethylene and hexafluoropropylene, 21:36018
  Radical pair from primary ionic species produced by ionizing radiation, 25:54665
  Radioinduced solid-state polymerization of methacrylic acid. I, 24:4341
  Studies on free radicals produced by irradiation. III, 21:30458
  Studies on free radicals produced by irradiation. VI, 22:21099
  Studies on free radicals produced by irradiation. V, 22:21100
  Studies on free radicals produced by irradiation. VII, 23:6181
  Trapped electrons in γ-irradiated polycrystalline n-hydrocarbons, 23:2340
  Trapping of dissimilar radical species and radical conversion in monofluoroacetamide γ-irradiated at 77°K, 21:36026
IWASAKI, Masao Neutron-irradiation of lubricant additives and their application as a tracer, 22:10512
IWASAKI, Matae Air-oxidation of UO_2 pellets, 24:42183
  Kinetics and mechanism of the reaction between bromine trifluoride vapor and uranium tetrafluoride, 22:27647
  Oxidation of UO_2 pellets in air, 23:8318
  Oxidative pulverization of UO_2 pellets, 23:24990 (JAERI-1174)
IWASAKI, Matsunosuke Electrical conductivity of plasmas produced by combustion-driven shock tube, 24:17903
IWASAKI, N. Ionospheric current system produced by an external electric field in the polar cap, 21:41912
IWASAKI, Noboru Origin of fluctuations in the equatorial electrojet, 21:15040
IWASAKI, S. Coulomb stripping in reaction $^{89}Y(d,p)^{90}Y$ at 4 MeV bombarding energy, 23:19226
  Reaction $^{89}Y(d,p)^{90}Y$ at energy below the Coulomb barrier, 22:27050
IWASAKI, Shin Reaction (^{3}He,α) on ^{7}Li from 5.0 to 8.0 MeV, 25:5571
IWASAKI, T. Tracer technique for behavior of dusts in animal lungs, 25:2523
  Ultraviolet rays as one of the possible factors responsible for the loss of virulence of tubercle bacilli, 21:11153
IWASAKI, Tamiko Effects of fast neutrons and ^{60}Co γ-rays on Artemia, 25:26917
  Sensitivity of Artemia eggs to γ irradiation. IX, 25:55262
  Sensitivity of Artemia eggs to γ-irradiation. VIII, 21:20038
  Sensitivity of artemia eggs to the γ irradiation. VI, 21:24604
IWASAKI, Tsutomu Local stresses in support-skirt of reactor pressure vessel. I, 23:9623
  Local stresses in support-skirt of reactor pressure vessel. II, 23:11259
IWASAKI, Y. Fourth-order gravitational potential based on quantum field theory, 25:33799
  High temperature characteristics of a coilayer vessel, 24:25240
  Reactions ^{90} $^{92}Zr(d,p)^{91}$ ^{93}Zr below the Coulomb barrier, 22:27199
IWASAKI, Yoichi Consistency condition for propagators, 25:7576
  Electromagnetic mass difference and the structure of baryon and boson, 21:13691
  Fermion Regge trajectory, 25:9790

Helicity coupling constant, 22:1436
O(4) symmetry in Feynman amplitudes, 22:50426
Propagators of high-spin particles with self-energy parts, 25:17568
Superconvergence relations for the πN scattering amplitudes at fixed u, 22:9606
IWASAKI, Yoseo Reactions (^{3}He,p) on light nuclei and the isospin pairing collective excitations, 24:20423 (JAERI-1184, pp 83-7)
IWASAWA, Yoshio Resistance of Staphylococcus aureus to uv, 24:23404
IWASE, Tohru Measurement of trace elements in liver by neutron activation analysis, 24:31274
IWASE, Toru Determination of copper and manganese in the human liver by neutron-activation analysis, 23:33164
IWASHIMA, K. Terrestrial background radiation in Japan, 21:45244
Uptake and retention of ^{106}Ru in man. I, 23:20100
IWASHIMA, Kiyoshi Cesium-137 levels in human body. Dec. 1962—June 1965, 21:24445
Collection of ^{51}Cr in seawater, 21:40796
Comparative studies of ^{132}Cs and ^{86}Rb turn-over in man using a double-tracer method, 22:36164
Cumulative ground deposit of ^{137}Ce in Japan, 22:40707
Environmental contamination with radioruthenium 1961—1965, 21:12805
Metabolism of cesium in human blood, 21:14597
Rapid radiochemical determination of ^{106}Ru in marine organisms, 24:20720
Scavenging radionuclides in sea water by use of MnO_2 and others, 21:22025
IWASHIMA, Kiyoski Radioactive contamination in the harbors of Sasebo and Yokosuka, 21:10483
IWASHITA, Fumio Apparatus for activation analysis, 21:3009
Apparatus for producing a high-temperature plasma, 21:3893
Betatron and similar accelerators, 21:2577
Device for producing a high-temperature plasma, 21:3894
IWASHITA, Kiyoshi Environmental contamination with radioruthenium 1961 to 1965, 21:36615
IWASHITA, Sadao Enzyme inactivation by ultraviolet light and protective effect of melanin, 21:26339
IWASHITA, Takeki Energy levels of ^{127}Te, 21:33983
Energy levels of ^{129}Te, 21:7779
Gamma—gamma perturbed angular correlations in ^{154}Gd, 25:31344
Lifetime of the 321-keV level in ^{125}Te, 21:7778
Nuclear structure of ^{124}Te, 25:31346
IWASHITA, Yuji Rhodium complex with carbon dioxide, 23:28798
IWATA, Giiti Electron model of axially symmetric isochronous cyclotron, 22:11757
IWATA, Katsuhiko Secondary ion emission from metal surface in collisions of 30-keV Ar^+ ions, 25:55818
IWATA, Kenzo Decay widths of resonances and composite model, 25:3405
Universality of quark interactions, 25:40962
IWATA, Minoru Comparison of β-ray measurement and γ-ray measurement for low-level samples, 24:31722
Human counter for mass monitoring, 25:44592
Low-background β ray spectrometer for solid samples, 23:6309
Low-background β-ray spectrometer, 24:31721
IWATA, N. Effect of hydrostatic pressure on magnetic properties of Tb and Dy, 22:15620
IWATA, Nobuo Progenies of rice plants exposed to radiation in Nagasaki, 25:24465
IWATA, S. ^{3}He cryostat for nuclear orientation by adiabatic demagnetization with a superconducting solenoid, 25:45440
Determination of fluorine in urine by photonuclear-activation analysis, 24:20740
Measurements of reactor neutron flux by fission track method, 24:31692
Photoproduction of K^+ mesons and polarization of Λ^0 hyperons in 1-GeV range, 24:45406
Production of high-energy polarized gamma-rays from an electron synchrotron with amorphous radiator, 22:29202
IWATA, Seigi Off-line processing program for multiparameter spectra data stored in DEC tape, 24:39389 (INSJ-119)
On-line data taking program for PDP-8 computer and DEC tape, 24:39388 (INSJ-118)
Photoproduction of K^+-mesons from hydrogen below 1.2 GeV, 24:26357 (INSJ-115)
IWATA, Shiro Activation analysis of Cl, 23:45227
Activation analysis of various materials related to the Yusho, 24:31278
Application of activation analysis to biological samples, 23:28743 (KURRI-TR-37)
Cooperative research efforts at KURRI, 1—6/65, 23:34491 (KURRI-TR-22)
Cooperative research efforts at KURRI, 7—12/65, 23:34492 (KURRI-TR-25)
Detection of radionuclides on electromigrated paper, 23:24106
Determination of uranium contents in some rocks based on fission track method, 25:10474
Low temperature irradiation facility, 23:43452
Low temperature irradiation facility of KUR, 24:27286 (KURRI-TR-69)
Neutron activation analysis of I in Te compounds, 24:27028
Phosphorus-32 retention of DNA irradiated in a reactor, 24:2581
Preparation of nuclear-spectrometry sources, 23:35416 (KURRI-TR-10, pp 150-9)
Production of carrier free ^{32}P by photonuclear reaction of chlorine, 25:185
Radiochemical studies on surface contamination of "KUR" fuel, 23:15812 (KURRI-TR-3)
Radionuclides and hydrogen peroxide in cooling water, 23:49595
Rapid separation of natural radionuclides by paper electromigration, 24:5611
Safety handling facilities and equipments, 23:45501
IWATA, Siro Conference on nuclei with short life, Kumatori, Osaka, Japan, 6/30—7/1/69, 25:59834 (KURRI-TR-76)
IWATA, T. Atomic displacement in pyrolytic graphite by electron bombardment, 21:5330
Radiation damage studies of graphite in Japan, 25:52465 (A/CONF.49/P-245)
Recovery of electrical resistivity below 80°K in electron-irradiated pyrolytic graphite, 23:3160
Recovery of the basal plane electrical resistivity in electron-irradiated pyrolytic graphite, 23:8364
IWATA, Tadao Optical absorption of neutron-irradiated graphite, 22:11515
IWATA, Takashi Forward production cross sections for baryons and baryon resonances by neutrino, 24:42929
Neutrino production of baryons with any spin, 24:3609
IWATA, Yukio Earthquake response analysis of nuclear power plant, 25:57598
IWATA, Yutaka Neutron crystal monochromator, 23:47274
IWATANI, Kazuo Protons from ^{64}Zn and ^{66}Zn bombarded with 14.1-MeV neutrons, 23:3979
IWATSUKI, Tsunenobu Portable alarm meter, 24:31690
Portable radiation-exposure alarm and meter, 24:48271
IWAUCHI, Shigeki Effect of radiation in reactively sputtered Al_2O_3—Si structures, 25:10905
IWAYA, Shinkichi Decontamination of ^{239}Pu from Pt plates, 22:14574
IWAZUMI, Tetsuo Consideration of eigenvalue sensitivity for a reactor system, 25:54258
Optimal control of steady state neutron flux distribution in slab reactors, 25:39336
IWEINS, P. Asymptotic behavior of linear oscillations of a compressible homogeneous model, 22:43761
IWIG, J. Problems in scintigraphic detection of abdominal tumors with ^{75}Se-labeled selenite, 25:560
Some practical considerations on pancreatic scanning, 25:58061
IWO, Kazuhiro Activation of a cytostatic (cyclophosphamid-Endoxan) by ionizing radiation. II, 23:9862
Activation of Endoxan by irradiation, 22:49279
Base-change mutagenesis and prophage induction in strains of Escherichia coli with different DNA repair capacities, 25:13421
Microscopic observation of induced and viable progeny of a uv-irradiated lysogenic cell, 22:51525
Phage induction by uv radiation in E. coli, 23:2988
Phage induction by uv radiation in E. coli, 23:5059
Photoreactivation spectra for prophage-inducing uv damage in E. coli, 22:52057
Photoreactivation spectra for prophage-inducing uv damage and delayed appearance of induced prophage E. coli, 23:20444
IXARU, L. Gr. Accuracy of the JWKB method in alpha-decay, 24:20454
Theoretical absolute alpha decay rates, 25:41262
IXARU, Liviu Highest penetrability of Coulomb barrier in alpha decay, 22:3763
IXARU, Liviu Gr. Penetrabilities in quantum mechanics, 23:10727 (JINR-E4-4111)
IYA, V. K. Applications of radioisotopes and radiation sources in industry, radiation processing, and hydrology, 25:51612 (A/CONF.49/P-539)
Colloidal gold: study of progress of colloid formation by spectrophotometry, iodometry, and radiometry, 21:19709
Operating experience in the shipment of radioactive materials, 25:48832 (CONF-710801-(Vol.1), pp 447-61)
Quality control of radiopharmaceuticals, 22:23586
Quality control of radiopharmaceuticals and its organizational aspects, 25:6267
Radioisotope program in India, 24:29459
Radiotracer study on flow path of seepage in the coffer dams at Srisailam, 21:28084
IYENGAR, K. N. Fragment mass-distributions in photofission and neutron induced fission of ^{238}U, 24:15887
Mass distribution studies in nuclear fission using Lexan detector, 22:44697
Range measurements of fission fragments in thermal fission of ^{235}U, 22:32625
IYENGAR, K. V. K. Detector for neutron time-of-flight experiments, 24:29532
Efficiencies of cylindrical Ge(Li) detectors, 23:4827
Electromagnetic properties of ^{45}Ti excited states, 25:50666 (UAE-NPL-1024)
Electromagnetic properties of ^{45}Ti excited states, 25:50690
Electromagnetic properties of ^{51}Cr excited states, 25:41205 (UAE-NPL-1026)
Energy levels of ^{45}Sc(p,n)^{45}Ti reaction, 25:45951 (UAE-NPL-1019)
Energy levels of ^{45}Ti, 25:10003
Fluctuations in integrated cross section of reaction ^{45}Sc(p,n)^{45}Ti, 22:32531
Fluctuations in the integrated cross section of the reaction ^{45}Sc(p,n)^{45}Ti, 21:23445
Gamma ray response characteristics of Ge(Li) detectors, 24:20997
Gamma rays from ^{55}Mn(p,nγ)^{55}Fe reaction, 22:32553
Gamma rays from the reaction ^{55}Mn(p,nγ)^{55}Fe, 22:1637
Gamma-ray response characteristics of cylindrical Ge(Li) detectors, 24:14257
Mechanism of the ^{51}V(p,n)^{51}Cr reaction, 21:15511 (CONF-660221-, pp 84-8)
Photo- and double-escape peak efficiencies of cylindrical Ge(Li) detectors, 24:9632 (BARC-403)
Reaction ^{51}V(p,n)^{51}Cr, 21:23459
Reactions ^{19}F(p,α_0)^{16}O and ^{19}F(p,α/sub 1+2/)^{16}O, 23:19166
Search for the level at 803 keV in ^{51}Cr, 21:9981
IYENGAR, M. R. S. Mutation in Colletotrichum falcatum Went, the causal organism of red rot of sugarcane. I, 21:34638
IYENGAR, P. K. Lattice vibrations of vanadium, 23:14898
Model for neutron scattering from short-range ordered paramagnets, 23:42450
Neutron cavity amplifier, 24:16311
Neutron scattering from paramagnetic chromium halides, 22:13604
Neutron scattering from short-range-ordered paramagnets, 23:17055
Prog. rpt. on nuclear physics, annual, 1969—70, 25:10017 (BARC-501)
Simple new device for Moessbauer spectrometer, 22:30852
IYENGAR, R. D. Slow neutron scattering, 22:50955
IYENGAR, R. S. Lower-ionospheric drift motions, 24:35278
Plasma acoustic propagation in the ionosphere, 24:10441
IYENGAR, S. B. D. Calculation of K/sub eff/ for a bare Pu sphere by collision probability method, 25:12849
Neutron thermalization in graphite, 22:44579
Perturbation of slowing-down density due to a local absorber in a pulsed finite medium, 22:29845
IYENGAR, T. S. Application of gas-phase counting technique for detection of tritium and radiocarbon for health physics assay, 22:6574
IYENGAR, V. Homogeneous nonstatic solutions of Einstein—Maxwell field-equations for isotropic space—time, 25:36559
IYENGAR, V. S. Balloon borne instrument for the study of cosmic x-rays, 25:49006
Intensity of high-energy x rays from Sco X-1, 24:1159
Low-energy gamma-ray measurements over Hyderabad, India, 25:40404
Orientation system for balloon-borne payloads, 25:18677
Rapid variations in high-energy x-ray flux from Cyg X-1, 25:45226
IYENGAR, Vanaja Geometrodynamics of the null field, 23:25701
IYER, C. S. Padmanabha Studies on some metal—hydrazine complexes, 21:21925
IYER, H. Parasurama Spectrophotometric study of UO_2^{2+}—SCN^- system in aqueous and water—methanol media, 25:2215
IYER, J. S. Prog. rpt. on analog simulation of Na-heated steam generator, annual, 1966, 21:19790 (BAW-1280-42)
IYER, Jay S. ECCSA-I: program for thermal and hydraulic analysis of core channels, 22:22656 (BMI-1832)
IYER, M. R. Beta decay of ^{239}Pu fission products, 25:10036
Nuclear charge distribution in fission fragments, 25:28508
IYER, M. Ramakrishna Compilation and computation of data on the nuclear properties of ^{235}U fission products, 22:7706
Data on nuclear properties of ^{233}U fission products, 24:52547 (AEET/HP/TH-16)
Gamma energy release rates from fission products at short times after fission, 24:52548 (AEET/HP/TH-17)
Maximum permissible concentrations of fission product mixtures in air and water for occupational exposure, 22:6812
Maximum permissible concentrations of fission product mixtures in air and water for occupational exposure, 24:46620 (AEET/HP/TH-15(Rev.))
IYER, P. N. Double oxides containing Nb, Ta, or Pa. III, 22:4895
Structure of double oxides of Pa, 21:8315
IYER, P. S. Glucose-induced resistance to gamma-rays in E. coli, 25:8812
IYER, P. Seshadrinatha Modifying radiation-induced damage in E. coli, 23:26968
IYER, R. H. Fission of ^{238}U induced by He ions, 22:44741
In-line analysis of fuel reprocessing streams: a review, 24:11413 (BARC-433)
In-line analytical methods for fuel reprocessing streams. I, 25:8197 (BARC-510)
Total fission cross section measurements using solid state track detectors, 25:50790
IYER, R. Krishamoorthy Simple method for the resolution of complex decay curves in radiochemical analysis, 22:7746
IYER, R. Krishnamoorthy Activity measurements in genetically related pairs of radionuclides, 22:7745
Trace element distribution in potsherds by activation analysis, 23:19
IYER, R. Krishnnamoorthy Hydrodynamic model of simple isotopic exchange, 23:2256 (AEET-218)
IYER, R. M. /sup 80m/Br/I.T./^{80}Br reactions in inorganic bromide—hydrocarbon systems. I, 25:57494
Chemical yields of nuclear reactions of bromine as an indication of aggregation and complexing of bromine in organic matrices at 77 deg K, 21:133
Electron release from gamma-irradiated silica gel, 25:139
Inability of bromine to scavenge radicals in γ-irradiated solid hydrocarbons, 21:40909
Irradiation (γ) 3-methylpentane—carbon tetrachloride glasses at 20 and 77°K, 22:117
Nuclear reactions of Br in CBr_4—C_2H_5OH system, 21:42996
Production and annealing of Br_2 in radiolysis of polycrystalline C_2Br_6, 21:30449
IYER, R. S. Isomeric cross-section ratios in (n,γ) reactions of ^{76}Ge and ^{82}Se, 21:15534
Oxidation of ferrous sulphamate in nitric acid solutions, 23:380
Ranges of fission fragments from neutron-induced fission of ^{241}Am, 23:1891
Separation of $BiPO_4$ carried actinides by BiOCl precipitation, 24:50446 (CONF-690916-(Vol.2), pp 169-73)
IYER, R. Subramonia Bond energy effects in substitution reactions of ^{18}F with methyl halides, 25:32028

- IYER, Ramaswamy Harihara Ternary fission of ^{238}U, 22:7736
- IYER, S. S. Stable explicit finite-difference technique for spatial kinetics, 23:37731
- IYER, Shrinivas S. Core management plan for MH-1A, 24:22472 (AD-699316)
  - SM-1A core IV design analysis, 25:46324 (AD-717561)
  - Theoretical nuclear analysis of MH-1A: Cores 2 and 3, 25:60203 (AD-721019)
- IYER, Shrinivas Shankar Numerical solution of space—time reactor kinetics equations, 24:18778
- IYERUSALIMSKAYA, A. N. Structural changes in a substance under the action of light laser pulses, 23:51052
- IYUDIN, A. F. Search for heavy particles at sea level, 23:51835
  - Spark chamber power supply circuit with semiconductor trigger, 25:29374
- IZAK, G. Radiation-induced changes in hemopoietic tissue, 24:36803
  - Radiation-induced changes in some biochemical parameters of the haemopoietic tissue of rabbits, 24:11953
- IZAKI, Takashi Analysis of heavy water moderated power reactor. III, 24:35998
- IZAKOV, M. N. Structure of the neutral upper atmosphere, 22:17462
- IZATT, J. A. Characteristics of the UTR-100 reactor, 22:6131
- IZATT, R. M. Log K/sub i/, ΔH/sub i/°, and ΔS/sub i/° values for the interaction of glycinate ion with Mn^{2+}, Fe^{2+}, Co^{2+}, Ni^{2+}, Cu^{2+}, Zn^{2+}, and Cd^{2+} at 10, 25, and 40°, 24:33575 (COO-1782-5)
  - Thermodynamics of metal cyanide coordination. IX, 24:31160 (COO-1782-2)
- IZATT, Reed M. Calorimetric determination of log K/sub i/, ΔH/sub i/°, and ΔS/sub i/° values for interaction of thiourea with Hg(CN)$_2$ in water—formamide solvents at 25°, 24:31161 (COO-1782-4)
  - Calorimetric study of Prussian blue and Turnbull's blue formation, 24:36113 (COO-1782-3)
  - Determination of β/sub i/°, Δ H/sub i/° and Δ S/sub i/° values for silver(I) pyridine system, 21:40721 (COO-299-2)
  - Prog. rpt. on thermodynamics of metal—ligand interaction in aqueous solution, final, 5/59—2/70, 24:33574 (COO-1782-1)
- IZAWA, Kimie Determination of H fluoride and U(VI) in crude U hexafluoride hydrolysis and potentiometric titration, 22:32
- IZAWA, Koichi Radiochemical determination of ^{95}Zr—^{95}Nb in sea water, 23:11436
- IZAWA, M. Cobalt-60 to cobalt ratios in Hiroshima and Nagasaki, 21:32673
  - Elimination of ^{137}Cs from human body, 25:21738
  - Estimation of air dose from atomic bombs in Hiroshima and Nagasaki, 21:14668
  - Neutron activation analysis for mercury, 24:27020
- IZAWA, Masami Adsorption of radiostrontium on calcium phosphate—anion exchange resin, 22:51052
  - Isolation of ^{137}Cs with Cu ferrocyanide-anion exchange resin, 21:28073
  - Metal salt—ion exchange resins and their application to radiochemical analyses, 23:11629
  - Multi-loaded metal salt—ion exchange resins. I, 23:47619
  - Radiochemical application of iron ferrocyanide-anion exchange resin, 22:40201
  - Safe handling of radioisotopes and radiation, 23:16303
- IZAWA, S. Airborne I monitoring at radioisotope test production plant, JAERI, 23:14180
  - Role of chloride ion in photosynthesis, 22:53493 (BNL-12532)
- IZAWA, Y. Collisionless shock waves in plasmas, 23:39463
  - Experiments on collisionless shock waves in plasmas, 23:32392
  - Scattering diagnostics of plasma by CO$_2$ laser, 25:52792
- IZAWA, Yasukazu Collective scattering of laser light from laser-produced LiH plasma, 23:42244
  - Density measurements of laser-produced plasma, 22:41558
  - Diagnostics of plasma by CO$_2$ laser, 25:40606
  - Diagnostics of TP—D plasma by CO$_2$ laser. III, 25:33243
  - Diagnostics of TP-D plasma by CO$_2$ laser. II, 25:1177
  - Laser application for plasma research, 22:13441
  - Profile of shock wave plasma measured by laser light scattering, 22:7263
  - Thomson scattering of ruby laser light by shock wave plasma, 21:20936
- IZBASAROV, M. Analysis of multi-prong events in pion—nucleon interactions at an energy of 17 GeV, 22:34863
  - Inelastic pion—nucleon interaction at energy of 17 GeV, 22:44324
- IZEN, E. H. Magnetic circular dichroism of bands associated with the F^+ center in SrO, 25:36291
- IZENSTARK, J. L. Brain imaging with the Spintharicon, 23:33462
  - Pyramidal lobe in thyroid imaging, 24:12165
- IZENSTARK, Joseph L. Medical radiological practice in New Orleans, 22:28534
- IZERGIN, A. G. Composite and elementary particles with identical quantum numbers in quantum field theory, 25:53302
  - Particles with identical quantum numbers and conditions Z = 0 in scalar field theory, 24:8706
- IZERGINA, A. G. Efficiency of skin decontamination from ^{210}Po, 22:43333
- IZHVANOV, L. A. Beryllium: new construction metal, 23:43973
  - Y—YH$_2$ phase diagram at room temperature, 25:35582
- IZMAILOV, A. N. Experimental investigation of induced scattering of plasma oscillations in a strong magnetic field, 25:1248
  - Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
  - Plasma drift instability in external high-frequency field, 22:50206
- IZMAILOV, S. V. Calculation of Λ-Σ^* and ω-rho mass differences, 24:24386
  - Formation of H' center, 21:25181
  - Semiclassical theory of π meson scattering on nucleons in case of tight coupling, 22:26661
  - Theory of meson photoproduction on nucleons, 23:15046
- IZMAILOVA, G. M. State of the neurosecretory system of the hypothalamus during radiation sickness in dogs, 24:9927
  - The state of the acid of mucopolysaccharide in the cerebral casing during acute radiation sickness, 23:50879
- IZMEST'EV, A. A. Propagation of electromagnetic waves in Riemann space, 25:14499
- IZMIROV, I. Changes in serum proteins in experimental Masugi nephritis of rabbits after x-ray irradiation. I, 22:6751
- IZMODENOV, Yu. A. Melt diagrams of magnesium and uranium chlorides, 23:41747
- IZOTOV, G. T. Effect of nuclear radiation on the physicomechanical properties of lacquer coatings, 25:2822
- IZOTOV, N. I. Recording of beta activity with low background, 24:11782
- IZOTOV, V. M. Deformability of certain refractory metals, 24:2932
  - Effect of heat on structure of Zr, 23:41674
  - Heat-treatment of V, Nb, and Ta by electron beam, 23:41595
  - Problems involved in the preparation of welded niobium alloy pipes, 24:34866
  - Structural changes in V and Nb, 23:14367
- IZQUIERDO, Miguel Corrections to observed beta-ray atmospheric densitometer values as caused by cosmic rays, 25:13314
  - Direct measurement of air density in the 30 to 60 km region by beta-ray forward scattering, 23:29023
  - Parachute-borne beta-ray densitometer, 23:11892
- IZRAEL, U. A. Radioactive contamination of environment by underground nuclear explosions, 24:19093 (AEC-tr-7122)
- IZRAEL, Yu. A. Distribution of radioactivity in rocks and petroleum from contained nuclear explosions, 25:54826 (UCRL-Trans-10543, pp 99-116)
  - Gamma emission of radioactive fallout, 22:45519
  - Gamma emission of radioactive fallout, 25:295 (AEC-tr-7100)
  - Hydrological uses of isotopes produced in underground nuclear explosions for peaceful purposes, 24:36449 (UCRL-Trans-10458)
  - Prospects of wide peaceful use of atomic energy with radiation safety of population, 25:52043 (A/CONF.49/P-684)
  - Radioactive fallout fractioning in underground nuclear burst, 21:10495 (JPRS-38744)
  - Radioactivity in contained underground nuclear explosions, 24:48202 (UCRL-Trans-10475)
  - Radionuclide fractionation in weapon debris long distances from bursts, 23:17591
  - Simulation of radioactive fallout particles, 22:47244
  - Tungsten isotopes in fresh radioactive fallout in Dec. 1968, 25:51635
- IZRAEL'SON, Z. I. Toxicology of the rare metals, 22:10160 (AEC-tr-6710)
- IZRAILEV, F. M. Numerical experiments with a nonlinear chain, 25:6234 (LA-4440-TR)
- IZRAILEVA, N. I. Interaction of pulsed radio waves in ionosphere. I, 25:16974
- IZRAL, Yu. A. Conditions for the formation of radioactive fallout particles and fractionation of isotopes during an underground cratering nuclear explosion, 21:30566
- IZSAK, F. C. Prevention of radiation damage to the small bowel by use of a magnetic device, 25:574
- IZU, Masatsugu Radiation-induced bulk polymerization of maleimide, 21:32207
  - Radioinduced solid-state polymerization of 3,3-bis-chloromethyloxetane, 21:45166
- IZUI, K. Effect of high temperature electron irradiation in gold, 25:33412
- IZUI, Kazuhiko Energy distributions of high energy primary knock-ons produced by fission fragments, 21:25206
  - Secondary defects in Ge by fission-fragment irradiation and annealing, 24:19972
- IZUMI, A. Analysis of neutron correlation with shift registers, 25:3931
- IZUMI, Akira Analysis of Rossi-α experiment, 23:31227
  - Third moment of the number of neutrons detected in short time intervals, 22:19121
- IZUMI, Hiroya Effects of glutide on radiation sickness, 24:800
- IZUMI, Kunihidi Effects of irradiation of 100-keV electrons on alkali halide crystals, 23:44497
- IZUMI, M. Thyroid crisis following ^{131}I therapy, 25:26881
- IZUMI, Masahiro Development of poly(vinylchloride)-insulated electric wires using electron-beam irradiation, 21:25905
- IZUMI, Masayuki Application of fast Fourier transform algorithm to on-line digital reactor noise analysis, 25:34431
  - Implicit method for solving the lumped parameter reactor-kinetics equations by repeated extrapolation, 24:47961
- IZUMI, Naganari Mechanical construction and performance of 6-MeV medical linear accelerator, 23:37060
  - Radiotherapy of malignant tumors, 24:6088
- IZUMI, O. Decomposition of a highly supersaturated Al—Zr solid solution, 23:48471
- IZUMI, Osamu Precipitation in an Al alloy containing Zr, 24:2960
- IZUMI, S. Pulse risetime analysis of a ^{3}He proportional counter, 25:37596
- IZUMI, Shigeru Interaction of adjacent thermal neutron detectors in water, 21:27514
- IZUMI, Sigeru Proposal on data treatment in the Feynman-α experiment, 21:29848
- IZUMI, T. Uranium requirements in Japan, 24:11123
- IZUMI, Tamotsu Fuel requirements for the nuclear power generation program, 21:21668
- IZUMI, Y. Airborne I monitoring at radioisotope test production plant, JAERI, 23:14180
- IZUMI, Yukio Effects of the relative humidity on track fading and prevention of fading of the personal neutron monitoring film, 25:44695
- IZUMIYAMA, Masao Effects of alloying element on supercooled A$_3$ transformation, 24:29981
- IZUMO, Ko Intermediate resonances in the ^{58}Ni + p reactions, 22:27065
- IZUMO, Mishiroku Design of facilities for production of ^{131}I, 24:31573
- IZUMO, Yoshiro Bioassay method for the evaluation of river water pollution, 24:31783
  - Measurement of digestibility in fish using radio-chromic oxide, 24:31782
  - Tritium labeling and metabolism of (2-(2-furyl)-3-(5-nitro-2-furyl)-acrylamide), 24:31781
- IZUMOTO, T. Spectroscopic study of (p,t) reactions from neutron-magic nuclei, 25:36794
- IZUTSU, K. Separation of radioactive elements by the electrolytic chromatography, 24:31454
- IZUTSU, Kosuke Rapid separation of radioactive nuclides by the electrolytic chromatography, 22:51074
  - Theoretical consideration of tensammetric titration curves, 22:4037
- IZUTSU, Norihiko Heavy particle identification with TOF method in nuclear reactions, 25:42066
- IZUYAMA, Takeo Superconductivity in a molecular field. I, 23:39438
- IZVEKOV, A. V. Optimization of basic parameters of thermal desalting plants, 24:22471
- IZVEKOVA, A. V. Effect of protective agents attenuating radiation sequelae and of the bone marrow introduction on the state of irradiated animals, 23:8031
- IZVORANU, M. Changes in the concentration of free amino acids in the liver of irradiated and partially hepatectomized rats, 25:27022
  - DNA variation in liver of irradiated and partly hepatectomized rats, 24:16990
  - Regeneration of body after irradiation. I, 23:50349
- IZVORSKA, N. Cytological changes upon applying ionizing irradiations on root tips of peas, 21:30931
- IZYUMOV, Yu. A. Incoherent scattering of neutrons and the problem of reconstructing the magnon spectrum, 21:5327
  - Neutron scattering in a ferromagnetic crystal containing impurities with negative exchange coupling, 21:21080
- IZYUMOV, Yurii A. Magnetic neutron diffraction, 24:37555
- IZYUROV, A. V. Problems involved in regulation of the accelerating potential of a high-resolution electron microscope, 21:3351

J

- JAAKKOLA, S. Measurement of specific volumes of NH$_4$Br and ND$_4$Br, 23:17433
- JAAKKOLA, T. Environmental γ-radiation dose rate in Finnish Lapland and Southern Finland, 25:18986 (NYO-3446-14, Paper 28)
  - Stable lead and radiolead (^{210}Pb) in the "arctic" food chain, 23:41305 (NYO-3446-13, Paper 24)
- JAAKKOLA, Timo Analysis of ^{55}Fe produced by nuclear tests and its enrichment in Finnish Lapps, 23:41301 (NYO-3446-13, Paper 20)
  - Analysis of ^{55}Fe produced by nuclear tests, 24:25434
  - Cesium-137 and ^{90}Sr in blood and urine of Lapps and southern Finns compared with total body burden of ^{137}Cs and estimated dietary intake of ^{90}Sr, 23:6446 (NYO-3446-11, pp 35-41)
  - Cesium-137 and ^{90}Sr in blood and urine, 23:35717
  - Iron-55 in Lapps and southern Finns and their diet, 23:6443 (NYO-3446-11, pp 1-15)
  - Iron-55 in organs of reindeer, elk, fish, and vegetation, 1967—68, 23:6444 (NYO-3446-11, pp 16-22)
  - Occurrence of ^{55}Fe in biosphere and its enrichment in humans, 22:43306 (NYO-3446-11(App.))
- JAAKKOLA, Toivo Mean spectrum and absolute magnitude of quasi-stellar objects, 22:903
- JAARMA, M. Chemical enzymatical and physiological changes in plant material caused by gamma-irradiation, 22:43262
  - Wholesomeness of γ-irradiated potatoes. III, 21:16556
- JAARMA, Maire Comparison of chemical changes in potato tubers induced by γ-irradiation and by chemical treatment, 24:25074
  - Influence of ionizing radiation on the oxidative phosphorylation, adenosine triphosphatase, and apyrase in potato tubers, 22:19253
  - Wholesomeness of γ-irradiated potatoes. II, 21:6742
  - Wholesomeness of γ-irradiated potatoes, 21:16557
- JAARSMA, R. Reactivity calculations for a periodically pulsed fast reactor, 23:47241 (CNM-R-2(Vol.1), pp 488-508)
  - Stress wave production encountered in study of pulsed fast reactor dynamics, 22:12093 (EUR-3654)
- JAARSMA, R. J. Geometry routines for use in the TIMOC code, 25:15404 (EUR-4536)
- JABBUR, R. J. Interference effects in rho-meson decay, 21:33707
  - Properties of reactions with photon production by mesons, 21:15344

  - Regge-pole model and absorption model for production of spin-$^3/_2{}^+$ particles in meson—nucleon collisions, 23:32739
- JABIOL, M. A. Correlation of $\pi\ \pi$-scattering angle and dipion mass in the vicinity of the rho meson, 21:2380
- JABIOL, Marie-Antoinette Single pion and several pions production in π^+p interactions at 1.6 GeV/c, 21:15266 (CEA-R-3036)
- JABLON, C. Particle trajectories in stationary trapped-particle modes, 23:30518 (MATT-679)
  - Radial dependence of trapped-particle instabilities, 25:43391
- JABLON, C. J. Effect of detrapping on trapped-particle instabilities in tokamaks, 25:47571
- JABLON, S. Cause of death as recorded on death certificates in Hiroshima and Nagasaki, Japan, 21:12912
  - RBE of neutrons in Japanese survivors, 25:6760 (CONF-691106-, pp 547-79)
- JABLON, Seymour Cancer in Japanese exposed as children to atomic bombs, 25:39897
  - Carcinogenesis in Hiroshima and Nagasaki, 22:8560 (ABCC-TR-16-63)
  - Childhood cancer in relation to prenatal exposure to atomic-bomb radiation, 25:27043
  - Search for late radiation effects among men who served as x-ray technologists in the US Army during World War II, 24:42011
  - Sex ratio of offspring of survivors in Hiroshima and Nagasaki, 25:47018
- JABLONOWSKI, Edward J. New world of composites: what we can expect in the 1970's, 23:27139
- JABLONSKA, J. Methods of measurements of the activity and radiation purity of radioisotopes, 22:4421
- JABLONSKI, E. Engineering study of thermal problems in ferrites of AGS accelerating cavities, 23:28058
- JABLONSKI, K. Relation between stable reactor period and prompt neutron time constant in "Anna" reactor, 22:10058 (INR-P-815/IX/R)
- JABLONSKI, Konrad Relation between stable reactor period and prompt neutron time constant in ANNA reactor, 22:30328
- JABLONSKI, Z. Effective mass spectra of the $\gamma\gamma$, $\pi^0\gamma$, $\pi^0\gamma\gamma$, $\pi^0\pi^0$, π^0eta^0, $\pi^0\pi^0\gamma$, $\pi^0\pi^0\pi^0$ systems in mass value region M (γ.......γ) less than or equal to 1.3 GeV, 25:14560 (JINR-E1-5349)
  - M($\pi^0\pi^0$) effective mass spectrum, 23:42564
  - Neutral bosons decaying into π^0 mesons and γ quanta, 21:17043 (JINR-E1-3100)
  - Neutral decay modes of the eta^0 particle, 25:17353 (JINR-E1-5256)
  - Neutral decays $\omega^0 \rightarrow$ etaγ and $\omega^0 \rightarrow \pi^0\pi^0\ \gamma$, 23:42563
- JABS, Arthur Absolute calculation of secondary cosmic gamma rays at the top of the atmosphere, 24:49070
  - Discrepancy between measured and calculated cosmic-ray spectra in the atmosphere, 22:34308
  - Lorentz-invariant and non-invariant momentum space and thermodynamics, 25:59432
  - Semi-statistical model of high-energy collisions, 23:23395
- JABSEN, Felix S. Nuclear reactor rod controller, 23:43223
- JABSEN, Felix Stanley Improvements in and relating to nuclear reactors, 25:20839
- JACCARD, S. Angular dependence of neutron polarization in n—d elastic scattering at 2.6 MeV, 25:53537
  - Polarization of neutrons from reaction ^{12}C(d,n)^{13}N at 2.75 and 3.0 MeV, 25:53626
- JACCARINI, A. Experimental conditions for $\gamma\gamma$ collisions with almost real photons, 25:36451
  - Gammaγ collisions with almost real photons, 25:7607
  - Photon—photon collisions, new area of experimental investigation in high-energy physics, 25:30798
- JACCARINI, Antoine Contribution of various Feynman diagrams relating to process ee $\rightarrow$ eeAantiA, 24:24291
- JACCARINO, V. New value for the ^{55}Mn nuclear magnetic moment, 21:23444
  - Nuclear gyromagnetic ratio γ of ^{59}Co, 21:44625
  - Nuclear relaxation rates in single-domain cobalt, 22:17761
  - Precision thermometer for the region 10 to 40K, 23:9801
- JACCARINO V. Field dependence of the magnetization and spin-wave correlations in ferromagnetic CrBr$_3$, 25:17311
- JACCHARINI, Antoine Physical theory: process of production of particles of type ee $\rightarrow$ ee A anti A, 24:3566
- JACCHIA, E. Legal problems connected with a nuclear accident, 21:10918 (CONF-660412-6)
  - Safeguards system of the Commission of the Euorpean Communities, 25:51754 (A/CONF.49/P-725)
- JACCHIA, L. G. Geomagnetic perturbations and upper-atmosphere heating, 21:18526
  - Semiannual variation in the heterosphere: a reappraisal, 25:43258
- JACCHIA, Luigi G. Diurnal and seasonal latitudinal variations in the upper atmosphere, 22:29339
  - Solar wind dependence of the diurnal temperature variation in the thermosphere, 24:45111
  - Solar-wind dependence of the diurnal temperature variation in the thermosphere, 24:51502 (N-70-25555)
- JACH, J. Clustering and giant moments in Cu—Ni alloys, 25:4000 (UCRL-72587(Rev.1))
- JACH, Joseph Annealing behavior following the ^{191}Ir(n,γ)^{192}Ir reaction in K$_2$IrCl$_6$, 24:38940
  - Thermal decomposition and Szilard—Chalmers annealing in solid state, 23:15885
  - Thermal decomposition of irradiated materials, 22:15231
- JACH, Krzysztof Evaluation of the methods of conventional roentgenotherapy in treatment of nasopharyngeal cavity neoplasms, 22:31146
- JACH, T. anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:15471
  - anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:49317
- JACHERTS, D. Antibody synthesis in vitro. VI, 21:39349
  - Antibody synthesis in vitro. VII, 22:28391
- JACHYMCZYK, W. X-irradiation effects on protein synthesis and synthesis of messenger ribonucleic acid from peanut cotyledons, 22:31014
- JACHYMCZYK, Witold Protein synthesis in germinating seeds, 25:44250 (COO-1313-28)
- JACHYMEK, A. Portable transistorized tritium contamination monitor, 24:39216 (CLOR-79/D)
- JACIMOVIC, Lj. Adsorption of phosphates on irradiated alumina, 23:41754
- JACK, A. G. Sheath growth in a low-pressure plasma, 25:30531
- JACK, G. C. Appraisal of AAEC tilting chair geometry for measuring localized and distributed burdens of radioisotopes in human body, 22:37969 (AAEC/TM-450)
- JACK, H. A. Project Pre-Gondola: site selection, 21:14344 (PNE-1101)
- JACK, H. Jr. Channeling studies through characteristic radiations, 22:22201 (NYO-2962-6, pp 36-53)
  - Channeling studies through characteristic radiations, 22:26474
- JACK, Harold J. Geologic investigations and engineering properties of craters. project pre-gondola i, 23:35356 (PNE-1103)
- JACK, J. High temperature Szilard—Chalmers annealing in KBrO$_3$, 24:11591
- JACK, R. Cecil M. Autoradiography of radioactive thin-layer chromatograms, 21:14152
- JACKA, F. Mid-latitude atmospheric emission of N$_2^+$ first negative bands, 25:17039
  - Optical auroral morphology, 22:47939
  - Simultaneous geomagnetic and cosmic noise absorption pulsations near geomagnetic noon, 23:30411
  - Stable auroral red arcs observed from Adelaide during 1967-69, 25:27525
  - Studies on auroral hydrogen emission using an image intensifier, 23:22988
- JACKEL, D. Graphic display terminal for nuclear experiments with on-line computer. I, 25:4390 (HMI-B-100)
- JACKEL, George Stewart ESR of free radicals trapped in rare gas, 23:33236
- JACKISCH, N. Radiation protection problems caused by defects in sealed sources, 21:26467
- JACKIW, R. Anomalies of the axial-vector current, 23:42622
  - Anomalous commutators and the box diagram, 24:13155
  - Arguments against anomalous dimensions, 25:30921
  - Canonical light-cone commutators, 25:53293
  - Consistency conditions for chiral symmetry and scale invariance. I, 25:25478
  - Consistency conditions for chiral symmetry and scale invariance. II, 25:25477
  - Construction of covariant and gauge invariant T* products, 25:5317
  - Currents as coordinates and finite electromagnetic corrections, 22:48260
  - Derivation of Weinberg's second sum rule, 22:34886
  - Dimensions of currents and current commutators, 25:1474
  - Electromagnetic current and anomalous commutators, 23:25560
  - Electromagnetic decays of pseudoscalar mesons, 24:12998
  - Failure of the eikonal approximation for the vertex function in a boson field theory, 25:53289
  - Finite charge renormalization in spinor electrodynamics, 22:24721
  - High-energy inelastic scattering of electrons in perturbation theory, 24:8587
  - Low-energy theorems for massless bosons: photons and gravitons, 22:26715
  - Low-energy-theorem approach to single-particle singularities in the presence of massless bosons, 22:50316
  - Overlap function in many-body theory, 22:41879
  - PCAC puzzle: $\pi^0 \rightarrow \gamma\gamma$ in the sigma-model, 23:18846
  - Planetary precession in gravitation theory, 22:22456
  - Stress-tensor—current commutators, electromagnetic and weak corrections to current commutators, and sum rules, 23:7163
  - T products at high energy and commutators, 24:8709
- JACKIW, Roman Anomalies in Ward identities for three-point functions, 23:36989
  - Chiral loops, 25:33722
  - Derivation of SU(3) X SU(3) space-time local current commutators, 22:5613
  - Dynamics at high momentum and the vertex function of spinor electrodynamics, 22:46507
  - Fermion avatars of Sugawara model, 23:32641
  - Low-energy theorem for graviton scattering, 22:20326
  - Measuring light-cone singularities, 25:7603
  - New improved energy—momentum tensor, 24:45591
- JACKIW, Roman Wladimir Nonperturbative solutions of the Bethe—Salpeter equation for the vertex function, 21:9730
- JACKLIN, S. W. Substerilizing doses of gamma irradiation to produce population suppression in plum curculio, 24:44651
- JACKLIN, Stanley W. Effect of irradiation on mating and reproduction of D. melanogaster, 23:43930
- JACKLYN, R. M. Cosmic ray astronomy at Hobart, 24:1169
  - Sidereal anisotropy in charged primary cosmic radiation, 24:19788
  - Solar diurnal anisotropy of cosmic rays, 23:41996
  - Studies of sidereal daily variation of cosmic ray intensity with particular reference to observations at 40 MWE underground, 25:49766 (NP-18960)
- JACKMAN, Kenneth Experimentally oriented science exhibits, 23:2162 (TID-24123)
- JACKMAN, Laurence Arthur Low temperature transient creep of selected body-centered cubic metals and binary solid solution alloys, 22:41055
- JACKS, Bruce R. Origin of hydromagnetic emissions, 21:5153
- JACKS, E. Evaluation of reliability: h.r.c. fuse-links, 25:41268 (EUR-4517, pp 153-78)
- JACKSON, A. Channels ratio colour quenching correction in Cherenkov counting, 22:8361
  - Use of kernel techniques for calculating the distribution of heating rates in moderators, 23:13458 (AERE-R-5773(Vol.2), pp 370-93)
- JACKSON, A. D. ^{3}H and ^{3}He form factors with the Reid potential, 25:53520
  - Explanation for the 0$^+$ excited pairing state in actinide nuclei, 25:59809
  - First-order binding energies and spectra with a potential matrix deduced from phase shifts, 23:49462
  - Matrix elements of lambda—nucleon potential, 24:1773
  - Matrix elements of nucleon—nucleon potential for nuclear-structure calculations, 23:5971
  - Model space calculation of the quasi-particle interaction for nuclear matter, 25:28453 (NYO-4032-37)
  - Model space calculation of the quasiparticle interaction for nuclear matter, 25:36832
  - Nucleon—nucleon potential and minimal relativity, 23:45000
  - Nucleon—nucleon potential and minimal relativity, 24:43534
  - Some deuteron properties with a potential matrix deduced from phase shifts, 23:5807
  - Test of pairing-vibration model in ^{40}Ar, 24:13318
  - Triton and alpha particle calculations with a potential matrix deduced from phase shifts, 23:19149
  - Triton binding energy calculations, 25:20259
  - Triton calculations in a harmonic oscillator basis with realistic potentials, 25:43792
  - Triton calculations with realistic potentials in a harmonic oscillator basis, 25:30896 (NYO-4032-36)
- JACKSON, A. D. Jr. Decay of ^{103}Ag, 21:2712
  - Decay scheme, spin, and magnetic moment of 20-min ^{43}K, 21:44631
  - Measurement of a spin 2 state in ^{102}Ag and decay of ^{102}Ag, 22:7729
  - Nuclear magnetic moments of ^{60}Cu and ^{62}Cu: hfs experiment and configuration-mixing calculation, 22:29959
  - Spins and nuclear moments of ^{115}Sb, ^{117}Sb, ^{118}Sb, ^{119}Sb, and ^{120}Sb, 22:50618
- JACKSON, A. G. Adsorption on Nb(110), Ta(110), and V(110) surfaces, 21:28726
  - LEED study of CO and CO$_2$ adsorption on Mo(110), 22:2082
  - LEED study of growth of aluminum films on Ta(110) surface, 22:7368
  - Oxygen-2 and CO interaction with Al films grown on Ta(110), 22:28744
- JACKSON, A. J. Relation between various methods used in calculating nuclear reaction matrix elements, 23:13345
- JACKSON, A. L. Anticoincidence-shielded Ge(Li) γ-ray spectrometer, 22:45318 (BNWL-SA-2009)
  - Efficiency calibration of a large-volume Ge(Li) gamma-ray spectrometer, 23:50162 (BNWL-1051(Pt.2), pp 118-21)
- JACKSON, Alan Improvements in nuclear reactors, 24:50098
- JACKSON, Andrew D. Jr. Spins and moments of ^{117}Sb and /sup 118m/Sb, 21:25516 (PUC-937-250)
- JACKSON, Andrew Dumont Jr. Spins and moments of ^{117}Sb and /sup 118m/Sb, 22:30340
- JACKSON, B. S. Effects of gamma radiation on mastic sealants, 21:14277
- JACKSON, B. V. Rotational temperature of a TiO band in the spectrum of R Hydrae, 24:19601
- JACKSON, Bernard Vernon Cool star spectrum synthesis, 25:19319
- JACKSON, Betty S. Bibliography on interactions of nucleons with deuterons, tritons, ^{3}He, or ^{4}He, 23:27821 (LA-4143)
  - Experiments with mesons at energies below 1 GeV: a bibliography, 22:37080 (LA-3946)
- JACKSON, C. Electronic structure of Tb using relativistic augmented-plane-wave method, 23:23290
  - Stability of the ferromagnetic state in terbium metal, 24:5211
- JACKSON, C. K. Examination of sol-gel UO$_2$ surfaces, 23:30188
- JACKSON, C. M. Development of melting and casting procedures for nitinol nickel-base alloys, 24:8129 (SC-CR-69-3070)
- JACKSON, C. N. Instruction manual for model 66-1 compact single channel gamma spectrometer, 22:21334 (BNWL-MA-41)
- JACKSON, C. N. Jr. Boron-11 beta current thermal flux detector, 21:28202 (BNWL-395)
  - FFTF state-of-the-art report for low-level neutron flux instrumentation, 24:20980 (BNWL-946)
  - High temperature and gamma effects on counting-type neutron flux detectors, 24:39266
  - In-core detector cables: signals or noise, 24:46022
  - In-core regenerative thermal neutron detectors for nuclear reactors, 25:20711 (WHAN-FR-37)
  - In-vessel detector cables: signals or noise, 25:15983 (WHAN-SA-18)
  - Neutron densitometer for measuring void fraction in steam—water flow, 22:30875
  - Nuclear techniques in nondestructive testing, 22:43002
  - Reactor in-core regenerative neutron detectors, 22:304 (BNWL-430)
  - X-ray fluorescence tester for detecting uranium contamination, 21:3327 (BNWL-SA-264)
- JACKSON, Charles N. Jr. High-level gamma tolerance of fission chamber and boron-lined neutron counters, 23:35486
  - Method and apparatus for measuring void fraction of hydrogenous fluids, 23:38338
  - Nuclear techniques in nondestructive testing, 21:32446
  - Recent advances in regenerative in-core neutron flux monitors, 22:30837
  - Recent advances in regenerative in-core neutron flux monitors, 22:36025 (BNWL-SA-1621(Rev.))

Regenerative in-core thermal-neutron detector, 21:36363
JACKSON, D. D. Autoradiographic detection of ^{131}I using polaroid film, 23:49740
Low energy secondary electron distribution studies of some light actinides, 25:11999
JACKSON, D. F. Diffraction effects in high energy (p,2p) reaction, 25:36679
Effective nucleon number in high-energy reactions, 23:46745
Investigation of two-hole states in light nuclei, 21:44773
Nuclear reactions, 23:23763
Nuclear reactions, 25:5842
Observations on the attachment of ^{51}Cr to the human red cell, 21:39354
JACKSON, D. P. Equilibrium constants for GS process reactions involving tritium compounds, 24:5702 (AECL-3382)
JACKSON, Daphne F. Cross sections for summed quasi-elastic and inelastic scattering, 25:56849
Di-proton model for the (p,2p) reaction, 21:1129
Effective interaction for —particle scattering, 24:43301
Form factors for inelastic scattering of α particles and electrons from ^{89}Y, 21:1064
Information obtainable from the noncoplanar (p,2p) reaction, 21:23570
Investigation of the nuclear surface, 23:19335 (RHEL/R-166, pp 33-9)
Localization of nuclear reactions and the investigation of the nuclear surface, 23:11072
Microscopic predictions for the isotopic dependence of strong absorption radii, 25:1768
Nuclear models, 22:32722
Nuclear structure studies at medium energies, 22:48614
Optical potential for high energy pion—nucleus and nucleon—nucleus scattering, 24:52141
Proton hole states in light nuclei, 22:26864
Quasi-elastic scattering near zero recoil momentum, 21:23571
Scattering of medium-energy alpha particles. I, 23:7337
Scattering of medium-energy alpha particles. II, 23:30971
Scattering of medium-energy alpha particles. III, 24:38161
Spectroscopic factors for (p,2p) reaction, 21:31712
Spectroscopic factors from (p,2p) reactions on light nuclei, 23:25824
Study of the (p,2p) reaction in energy region 160 MeV to 1 GeV, 22:42128
Two-nucleon density functions and correlation functions, 25:3733
JACKSON, Darryl D. Electrolytic oxidation of carrier-free ^{131}I, 22:37630 (LA-3928)
JACKSON, Donald E. Effects of ionized air on stress behavior, 22:15104
JACKSON, E. Atlee Effect of a boundary on the beam plasma instability, 23:48899 (AD-690128)
Equilibrium statistical mechanics, 22:15657
Instabilities in finite beam—plasma systems, 24:35430
Parametric effects of radiation on a plasma, 21:11655
JACKSON, E. C. Control of the dynamic environment produced by underground nuclear explosives, 24:14132 (UCRL-72122)
Control of the dynamic environment produced by underground nuclear explosives, 24:41518 (CONF-700101-(Vol.2), pp 979-93)
JACKSON, E. L. Jr. Main coolant pump motor failure in the NS Savannah and subsequent motor repair, 22:6068
JACKSON, E. S. Determination of mass of Pluto, 25:35822
JACKSON, E. W. Clearance of nuclear reactor sites, 21:43441
Herald research reactor water treatment and corrosion, 22:28743
Leakage from a ruptured containment after accidental depressurisation of a gas cooled reactor, 25:57106
JACKSON, Earl W. Training of replacement operators at Yankee Rowe, 25:41306
JACKSON, Fred Nuclear reactors, 22:20892
JACKSON, Frederick A. Radioisotope thruster technology, 25:48746
JACKSON, G. B. Selection of power reactors in England and Wales, 23:13430
JACKSON, G. E. Secondary kinetic isotope effects in bimolecular nucleophilic substitutions. III, 23:26255
JACKSON, G. L. Radioiodine therapy of thyrotoxicosis, 25:49256
Spatial statistics of a gamma camera, 25:51865
JACKSON, G. O. Control and instrumentation of the PFR, 22:18507
Design and development of fuel and fuel elements for a prototype fast reactor, 22:18512
P.F.R. irradiation facilities, 24:40901 (TRG-Report-1911, pp 531-44)
PFR core support, 24:52755
Recent developments in European fast reactor program, 22:18497
JACKSON, George L. Cellular localization of ^{203}Hg chlormerodrin in astrocytomas, 22:6855
Isotopic cisternography in Sturge—Weber syndrome, 24:48615
Measuring cerebral hemispheric blood flow using a gamma camera, 24:12144
Nuclear engineering applications in medical science, 25:39891
Splenic rupture: application of radioisotopic techniques in diagnosis, 22:38357
JACKSON, George Oliver Improvements in or relating to nuclear reactor fuel elements, 25:60250
Improvements relating to nuclear reactors, 22:25187
Locating structure, 22:48771
Nuclear reactor core support structure, 22:37611
Testing for fuel element sheathing failures in nuclear reactors, 22:42276
Testing for fuel element sheathing failures, 23:40458
JACKSON, Glen L. Preparation of planar lithium-drifted germanium detectors, 23:26511 (IS-T-296)
JACKSON, H. Distributions of resonance intervals and values of correlation coefficients in different parameters, 21:42612 (NP-16816)
Strength function S_0 and the scattering radius R' as a function of mass number and fluctuation of S_0 as a function of energy between 0 and 300 keV, 22:18285
Use of stabilized steels in P.F.R. circuit, 25:24561 (TRG-Report-2071)
Use of stabilized steels in the PFR circuit, 24:52757
JACKSON, H. E. Analysis of parameters of resonances in Co and Mn induced by neutrons of energy up to 120 keV, 21:46692
Delbrueck scattering of 10.8-MeV γ rays, 23:28308
Distribution of the partial radiative widths of ^{195}Pt using a Ge(Li) detector, 22:18284
Electromagnetic transition strengths in ^{206}Pb, ^{207}Pb, and ^{208}Pb from threshold photoneutron cross-section measurements, 23:31007
Intermediate structure in the ^{59}Co neutron total cross section between 0 and 500 keV, 21:7746
Low-energy levels of ^{196}Pt, 21:10027
Partial radiative widths at and between neutron resonances, 23:5901
Radiative capture of resonance neutrons in platinum, 23:5880
Resonance neutron capture with lithium-drifted germanium detectors, 22:14834
JACKSON, H. G. Computer-controlled fast-logic circuits, 21:3343 (UCRL-17112)
JACKSON, H. J. Jr. Theoretical photodetachment cross section for the negative atomic oxygen ion, 21:35008 (N-67-17774)
JACKSON, H. L. Laminographic scans with focused collimators, 23:33448
Visual function responses of patients receiving x- or ^{60}Co gamma-radiation therapy in region of head and neck, 25:47014
JACKSON, H. T. Jr. Electron photodetachment from O^- and elastic scattering from atomic oxygen, 21:11448
JACKSON, H. W. Quantum theory of ^{4}He monolayers, 23:16763
JACKSON, Harold Density functions S_0 and S_1 of the nucleus of ^{209}Bi, 22:9887
JACKSON, Harold E. Jr. Boron-loaded liquid scintillator, 22:21330
JACKSON, Harry C. Isostatic pressing of powdered materials, 21:41565
JACKSON, Herbert L. Abnormal decay of ^{60}Co teletherapy source, 25:32130
Gonadal exposure of boys and young men treated with inverted Y fields: its reduction and genetic significance, 24:34364
Mathematics of radiology and nuclear medicine, 25:42433
Reproductive factors associated with radiotherapy of malignant lymphomas, 25:19147
JACKSON, J. Heat transfer to liquid helium from bare and enamelled wires, 22:11365
Transient heat transfer and stability of superconducting composites, 23:27540
JACKSON, J. A. Polarized proton target, 24:38026
JACKSON, J. B. Crosslinking of polypropylene, 21:5918
JACKSON, J. C. Dynamics of clusters of galaxies in universes with nonzero cosmological constant, 24:35137
Infilling for NUT space, 24:20238
Infinite cylinder with multipole moments in general relativity, 22:29759
JACKSON, J. D. Charged pion photoproduction and finite energy sum rules, 23:30738
Decays of neutral pseudoscalar mesons into lepton pairs, 23:7107 (UCRL-18487)
Evidence on duality and exchange degeneracy from finite-energy sum rules, 25:59501
Factorization, kinematic singularities, and conspiracies, 23:15259
Glossary for Regge pole theory, 23:51983 (UCRL-19351)
Kinematic singularities and threshold relations for helicity amplitudes, 22:35145
Models for high energy processes, 23:46681 (UCRL-19205)
Models for high-energy processes, 24:20141
Peripheral collisions at intermediate energies, 21:31579
Polarized targets: why, 21:42503
Remarks on pion photoproduction, 25:59362
JACKSON, J. E. Behavior of ionosphere above Wallops Island during eclipse of March 7, 1970, 25:24956 (N-70-42397)
Electron and phonon effects in superconducting fcc lead-based alloys, 21:20891
Superconducting T/sub c/ and susceptibility of La—Ce alloys, 25:47625
Superconducting tunneling in single-crystal and polycrystal films of aluminum, 24:32801
Superconducting tunneling in the low-temperature phases of gallium, 22:34543
JACKSON, J. F. Analysis of SNAPTRAN-1 and -2 reactor kinetics experiments, 21:35648 (NAA-SR-11850)
Evaluation of generation-time and temperature-coefficient data from the SNAPTRAN-1 experiments, 21:8027
Numerical stability problems in the VENUS disassembly code, 25:57079 (CONF-710302-(Vol.1), pp 152-66)
Polyploidy in human leucocyte cultures treated with cysteamine and irradiation, 21:32606
Sensitivity study for fast reactor disassembly calculations, 25:41492
JACKSON, J. H. Annealing effects and optical absorption of thermoluminescent LiF, 25:9574
Heating rate controller for thermoluminescence studies, 23:4844
Low temperature annealing of TLD—LiF, 24:14326
Low-temperature annealing behavior of TLD lithium fluoride, 24:7660
Pre-irradiation annealing of TLD lithium fluoride, 23:701
Rapid scanning spectrometer for the region 200 to 850 nm, 24:27471
The emission spectrum of thermoluminescent-dosimetry-grade lithium fluoride, 24:23033
JACKSON, J. J. Comparison of defects injected into platinum by quenching and by radiation doping, 22:46202
Defect production and recovery in Pt, 22:31949
Dislocation density and resistivity increment during irradiation of fcc metals, 23:43996
Effect of pre-irradiation treatments on point defects in fcc metals by deuteron irradiation, 22:31928 (BNL-50083, pp 291-302)
Effects of doping on damage and recovery of deuteron-irradiated Al, 21:32945
Radiation annealing in deuteron-irradiated Au, Al, and Pt, 21:13221
Recovery of deuteron-irradiated Au, Al, and Pt, 21:13642
Stage-III annealing in Al after deuteron irradiation at different temperatures, 23:16872
JACKSON, J. K. Factors affecting the sensitivity and spectral response of thermoelectric (radiometric) detectors, 21:2960
JACKSON, J. L. EBR-II dosimetry test data analysis (reactor runs 31E and 31F), 24:36001 (BNWL-1402)
Liquid scintillation spectrometer data processing, 24:36611
Measurement of neutron flux in fast reactor experiments, 21:35567 (BNWL-SA-1102)
Neutron dosimetry in EBR-II, 22:48746
Neutron dosimetry studies in EBR-II, 24:7088
Neutron dosimetry studies in the EBR-II for irradiation damage experiments, 22:4438
JACKSON, J. M. Variations in ^{234}U concentration of natural uranium, 23:33275 (KY-581)
JACKSON, J. N. Photoproduction of eta-mesons between 950 MeV and 2.2 GeV, 23:39594
JACKSON, J. S. Diurnal variation of the geomagnetic field. I, 25:56036
Diurnal variation of the geomagnetic field. II, 25:56037
JACKSON, J. W. AGS lattice corrections and tuning using backleg windings, 25:50538
Economical beam transport for utilization of post conversion AGS, 25:12296 (BNL-15464)
Economical cryogenic pulsed synchrotrons for very high energies, 25:50441
High field iron magnets for operation at cryogenic temperatures, 23:28107
High-field iron core magnets, 25:50498
Large cost reductions made possible by reevaluation of beam transport parameters, 25:50471
Magnet design for a very high energy synchrotron employing a separated function magnet lattice, 21:38047
Quadrupole magnet with reduced field distortion, 22:38170
Quadrupole magnet with reduced lateral dimension, 21:218
Separated function magnet lattice for a very high energy synchrotron, 21:27461 (BNL-11346)
Separated function synchrotrons, 22:32244 (CEAL-2000, pp 49-53)
Synchrotron magnets with cryogenic exciting coils, 23:13144 (BNL-13120)
Theory, design, and measurement of the Brookhaven narrow quadrupoles, 21:38044
Three dimensional properties of magnetic beam transport elements, 21:19085 (BNL-11142)
JACKSON, James F. Space—time dynamics studies in large LMFBR's with feedback, 24:7324
Space—time effects in fast reactor dynamics, 25:10180
JACKSON, James Fredrick Space—time effects in fast reactor dynamics, 24:50234
JACKSON, James J. Recovery of deuteron-irradiated platinum, 22:8795
JACKSON, James L. Fast determination of resonance states in atomic collisions, 24:17686
JACKSON, James William Testing the regularity of edges, 23:24410
JACKSON, Jane C. Pi^-p charge-exchange differential cross section and polarization in a Regge-pole model, 24:13107
Regge-pole-cut analysis of total cross sections with SU(3) and exchange degeneracy, 25:14660
Single-parameter fit to meson—nucleon forward reactions, 23:3730
JACKSON, Jane Chapman Regge-phenomenological studies of SU(3), exchange degeneracy, and conspiracy, 25:12217
JACKSON, Jasper A. Design of a solenoid for a Lamb-shift polarized-ion source, 23:22116 (LA-4082)
Whole-body NMR spectrometer, 22:23380
Whole-body NMR spectrometer, 22:45279 (LA-3966)
JACKSON, Jerome Edward Study of lead—indium alloy system by tunneling, 25:17099
JACKSON, John E. Comparisons between topside and ground-based soundings, 23:30402 (N-69-19936)
JACKSON, John P. Classification of critical characteristics in nuclear plant design, 25:6091
JACKSON, Judy A. Scanning of the lung, 24:34465
JACKSON, Julius L. Equilibrium theory of a partially ionized plasma, 23:8611
Statistical mechanics of a partially ionized plasma, 22:46178
JACKSON, K. C. Radioisotope production and materials, 24:31420
JACKSON, K. L. Nucleic acid metabolism in rat thymocytes x-irradiated in vitro, 25:44773
JACKSON, K. P. ^{49}Fe: a new T/sub Z/ = $-^3/_2$ delayed-proton emitter, 24:28744
Electromagnetic transitions in ^{19}Ne, 25:3575
Ge(Li) counter investigation of the gamma-ray decay of ^{28}Si produced in the reaction ^{27}Al(p,γ)^{28}Si, 21:5516

Heavy-ion reactions as a technique for direct mass measurements of unknown Z > N nuclei, 25:3610
High spin states in ^{19}F, 24:3868
Lifetime of ^{22}Na 3708 keV level, 24:1791
Lifetime of the ^{19}Ne 275-keV level, 24:52458
Nuclear lifetimes from bombardment of ^{2} ^{3}H by ^{20} ^{22}Ne, 24:3907
Properties of 9.699 MeV level in ^{28}Si, 23:39991
JACKSON, Kenneth L. Adenine uptake by rat thymocytes x-irradated in vitro, 22:47616
Contribution of bile to radiation-induced sodium loss, 22:51998
Effect of high-pressure oxygen on acute radiation mortality in mice, 23:20369
Irreparable damage following x-irradiation of the fetal mouse, 21:36704
Irreparable injury produced by x-irradiation of thymocytes, 24:9915
Thymus cell death following irradiation, 22:49618
JACKSON, Kenneth Peter Measurements of the lifetimes of the 1740, 2154, and 3585 keV states of ^{10}B, 23:39944
JACKSON, L. F. Design and development of SNAP-23A isotope-powered terrestrial power generation system, 22:30785
JACKSON, L. T. New bevatron pole-face windings power system, 25:31056 (UCRL-20191)
JACKSON, Leslie T. Target positioner for accelerator external beam, 23:17036
JACKSON, Lynn E. Polynomial curve fit by least squares, 21:35803 (RFP-968)
JACKSON, M. James wave function for the ground state of H_2^+, 25:55829
Second-order perturbation treatment of ground state of H_2^+, 24:19737
JACKSON, M. M. Precipitation in Cu—Be alloys, 23:41666
JACKSON, M. R. Scavenging by snow and ice crystals, 25:26367 (CONF-700601-, pp 121-36)
JACKSON, M. W. Pre- and postshot structural survey: project Dribble, Salmon Event, 22:37899 (VUF-1029)
JACKSON, Melvin W. Ground motion triggering of landslides, 21:30530 (HN-20-1024)
Salt cavity engineering at Tatum, 23:17635 (HN-20-1020)
Ten years of Plowshare, 22:45211
Thresholds of damage due to ground motion, 21:36309 (HN-20-1021)
Thresholds of damage due to ground motion, 23:9590
JACKSON, Meryl R. Prog. rpt. on scavenging study of snow and ice crystals, 2—4/70, 24:34979 (IITRI-C-6105-11)
Prog. rpt. on scavenging study of snow and ice crystals, 11/69—1/70, 24:48180 (IITRI-C-6105-10)
Scavenging study of snow and ice crystals, final, 4/67—7/68, 23:458 (IITRI-578-P-32-5)
JACKSON, N. E. Gamma irradiation and the microbial population of soils at two water contents, 21:45854
JACKSON, P. D. Detection of radio recombination-line emission associated with distributed ionized hydrogen, 25:45221
Positions and motions of solar bursts at decameter wavelengths, 25:7082
JACKSON, P. M. Annular inlet FFTF hydraulic feature model, 23:19521 (BNWL-952)
ATR high-temperature helium loop model, 21:32030 (BNWL-419)
Hydraulic balance concept and tubesheet leakage fftf hydraulic feature model, 23:7395 (BNWL-883)
JACKSON, P. O. Determination of ratio of ^{241}Am to ^{239} ^{240}Pu in soft tissues, 23:49726 (BNWL-1051(Pt.2), pp 10-13)
Determination of trace levels of U, ^{230}Th, ^{210}Pb, and ^{210}Po in soft tissues, 23:49725 (BNWL-1051(Pt.2), pp 1-6)
JACKSON, Philip L. Prog. rpt. on seismic wave propagation, 8/66, 21:12543 (AD-640212)
JACKSON, R. A. Diffusion of oxygen in near-stoichiometric α—Nb_2O_5, 21:41667
JACKSON, R. F. 14.2 and 14.5 MeV levels of ^{15}O, 25:14915
Requirements for research and development engineers, 24:9217
JACKSON, R. J. Advances in FTR fuel subassembly design, 22:32986
Ceramic fuels for fast reactors, 22:30123 (BNWL-SA-1550)
Comparison of measured and predicted diameter increase of two stainless-steel-clad mixed-oxide fuel pins in a fast reactor, 25:32849
Comparison of measured and predicted diameter increase of two stainless steel clad mixed oxide fuel pins in a fast reactor, 25:40133 (WHAN-SA-74)
Conference on advances in metallography, Denver, Colorado, 5/66, 21:8554 (RFP-658)
Core clamping system design for fast reactors, 24:45995 (BNWL-SA-2691)
Correlation of predictions and observations in mixed-oxide fuel, 25:6001
Design bases for fast test reactor driver fuel pin, 22:32987
FFTF fuel pin and subassembly conceptual design methods and data, 24:43805 (BNWL-1064)
Metal swelling and irradiation creep effects upon the Fast Test Reactor core component performance, 24:52958 (BNWL-1430)
Metal swelling effects on FTR core components, 24:24875 (BNWL-1286)
Swelling and creep effects upon fast reactor core structural design, 24:33236
Transformations and structures in the U—Re system. II, 21:24792
Transformations and structures in the U—Re system. III, 21:24791
Transformations and structures in the U—Re system. I, 21:24793
JACKSON, Ray D. Field measurement of soil-water content by gamma-ray transmission compensated for temperature fluctuations, 25:51630
JACKSON, Richard T. Effects of methyl prednisolone on ^{35}S levels in ocular and nasal tissue, 22:25903
JACKSON, Ross J. Electrocleaning of uranium alloys, 25:24545 (RFP-1596)
Explosive nature of uranium-base niobium alloys after immersion in nitric acid, 25:8840 (RFP-1575)
Homogenization of uranium-base niobium alloys, 25:2732 (RFP-1582)
Isothermal transformations of uranium—13 atomic percent niobium, 25:32724 (RFP-1609)
Measuring percentage of alpha in delta-stabilized plutonium alloys, 23:27118
Mechanical properties of uranium-base niobium alloys, 25:42851 (RFP-1703)
Metallographic preparation of beryllium, 23:27022
Metallographic techniques for vacuum-cast rolled ingot beryllium sheet, 21:36804 (RFP-962)
Metallographic techniques for vacuum-cast rolled ingot beryllium sheet, 23:29997
Pseudo-plastic behavior of uranium—niobium alloys, 25:37942
Reversible martensitic transformations between transition phases of uranium-base niobium alloys, 25:16517 (RFP-1535)
Simplified metallographic techniques for uranium alloys and other metals, 21:11238 (RFP-862)
Simplified metallographic techniques for uranium alloys and other metals, 24:8125 (CONF-670533-, pp 98-105)
Temperature-induced shape memory in polycrystalline uranium-base niobium alloys: characterization, 25:16441 (RFP-996)
Tensile properties of gamma quenched and aged uranium-rich niobium alloys, 21:31003 (RFP-933)
Tensile properties of gamma quenched and aged uranium-base niobium alloys, 22:34053
JACKSON, S. A. Real part of the vector-meson—nucleon scattering amplitude, 24:20162
JACKSON, S. M. Long term follow-up of patients with menorrhagia treated by irradiation, 25:42702
JACKSON, Sara Jean Radiochemoprophylaxis in acute whole-body radiation, 21:34699
Radiochemoprophylaxis in acute whole-body radiation, 22:51801
JACKSON, Stephen Rapidly rotating stars. V, 24:42322
Stellar rotation: comparison of recent results, 25:24741
Structure of close binary members, 24:27944
JACKSON, Thelma A. Fine structure of alveolar areas in the lung following inhalation of $^{239}PuO_2$ particles, 25:32539
JACKSON, W. Compensating the effect of surface irregularities in high-energy radiotherapy, 25:19066
Effects of x rays at oblique incidence, 25:40759
Formula for the effect on x ray depth dose, 23:48053
Formula for the variation in x-ray depth dose with focal distance, 23:31759
Regge effects in reaction $\pi^+p \rightarrow \pi^0\Delta^{++}$, 24:1518
Resonance production in π^+p interactions between 3 and 4 GeV/c, 22:13655 (UCRL-17984)
JACKSON, W. A. Cesium uptake from dilute solutions by young wheat seedlings as affected by selected cations, 21:24303
Omega transformation in Hf—Nb alloys, 24:36930
Prog. rpt. on transformation characteristics of Zr—Nb alloys, 7/67, 21:43619 (COO-588-13)
Transformation characteristics of zirconium—niobium and other alloys, 22:49752 (COO-588-14)
JACKSON, W. B. Roof rat (Rattus rattus) in the El Verde forest, 25:21842 (TID-24270, pp E.169-81)
JACKSON, W. D. Chemical protection against x-irradiation by new reducing agent 1,4-dithiothreitol in marsupial leucocytes in culture, 22:21566
Containment box experience at ANL, 24:463
Effects of heliotrine on cell division and chromosome breakage, 24:2644
Tenth symposium on engineering aspects of magnetohydrodynamics, Cambridge, Massachusetts, March 26—28, 1969, 25:2945
JACKSON, W. H. Seismicity of the Central Nevada Test Area, 26 September 1969—1 October 1970, 25:44462 (USGS-474-109)
JACKSON, W. M. Radiation processing of poultry wastes, 25:16393
Use of radioisotopes in preparation of poultry wastes for further use, 24:7546 (NP-18048)
JACKSON, W. Morrison Distribution studies between thenoyltrifluoroacetone (TTA) in methyl isobutyl ketone (MIBK) and aqueous solutions using radiotracers of group II and group III elements, 24:44088
JACKSON, W. R. Attempt to detect x-ray pulses from the Crab Nebula, 23:25054
Development of a stainless steel—Al transition joint for high-temperature service, 22:627 (AI-CE-72)
Fabrication of SAP-clad UC fuel assemblies, 21:44816 (AI-CE-78)
Final-state interactions in $^{9}Be + p \rightarrow d + 2\alpha$ reaction, 25:45929
Final-state interactions in d(p,pn)p reaction, 22:20446
Hydrogen-2(p,pn)p reaction at 9.0 MeV, 25:36670
Low-energy gamma rays from NP 0532, 25:9062
Method for neutron detection efficiency measurements and neutron—charged particle coincidence detection, 21:45415
Reaction (^{2}H(p,2p)n) at 9.0 and 10.5 MeV, 21:44546
Reaction ^{11}B(p,2α)^{4}He at keV resonance, 22:7650
Study of some effects in reactions with three outgoing particles; $d + {}^{7}Li \rightarrow n + \alpha + \alpha$ and $p + {}^{6}Li \rightarrow p + d + \alpha$, 22:20477
Three-body breakup in ^{7}Li(d,nα)^{4}He and ^{7}Li(d,$\alpha\alpha$)n reactions, 21:23427
Time-of-flight particle identification technique, 22:19092
JACKSON, Warren Evidence for the kinematic origin of the H enhancement, 22:37088
π^+p four-prong interactions from 2.95 to 4.08 GeV/c, 24:40278
Quasi-two-body final states produced in π^+p interactions between 3 and 4 GeV/c, 22:17954
Quasi-two-body final states produced in π^+p interactions between 3 and 4 GeV/c, 22:20143
JACKSON, Warren Carver Resonance studies in π^+p interactions between 3 and 4 GeV/c, 24:45433
JACKSON, William A. Prog. rpt. on influence of nitrogen nutrition on accumulation of Cs and Sr by plants, annual, 5/67—4/68, 22:25718 (ORO-2410-9)
Prog. rpt. on influence of nitrogen nutrition on accumulation of Cs and Sr by plants, 5/65—4/68, 22:25719 (ORO-2410-10)
Prog. rpt. on nitrate and ammonium uptake and assimilation, summary, 5/68—4/71, 25:15447 (ORO-2410-19)
Prog. rpt. on nitrate and ammonium uptake and assimilation, annual, 5/70—4/71, 25:15446 (ORO-2410-18)
Prog. rpt. on nitrate, ammonium, and strontium uptake in higher plants, annual, 5/69—4/70, 24:13695 (ORO-2410-16)
JACKSON, William B. Bikini—Eniwetok studies, 1964, 23:9909 (UWFL-93(Pt.1))
Bikini—Eniwetok studies, 1964, 23:9944 (UWFL-93(Pt.2))
Bird populations at Eniwetok Atoll, 24:25429
Engebi rats: another chapter, 21:43445 (COO-1485-12)
Feeding patterns of Rattus rattus and Rattus exulans on Eniwetok Atoll, 25:46771
Radioisotope cycling in terrestrial communities at Eniwetok Atoll, 21:43318 (COO-1485-13)
Rats, bombs, and paradise: the story at Eniwetok, 21:24543 (COO-1485-10)
Survival of rats at Eniwetok Atoll, 24:9806
JACKSON, William D. Channel-wall limitations in MHD induction generator, 21:2075 (ANL-7148)
Critique of MHD power generation, 24:39912
MHD induction machine, 23:32205 (AD-482170)
Recent developments in closed-cycle plasma MHD systems, 22:9138
JACKSON, William Roy Jr. Final-state interactions in the reaction ^{2}H(p,pn)p, 22:11903
JACKWERTH, E. Precipitation reactions for the enrichment of trace elements. IV, 24:4224
Precipitation reactions for the enrichment of trace elements. V, 25:228
JACLEVIC, J. Time analysis of reaction γ rays and electromagnetic properties of ^{210}Po levels, 22:27166
JACMART, J. C. Direct reactions induced by ^{14}N on ^{12}C, 24:30703
Heavy-ion reaction leading to members of an isospin multiplet: $^{14}N + {}^{12}C \rightarrow {}^{13}N + {}^{13}C$, 23:17077
Identification and energy measurement by magnetic spectrometer, 23:47792
Identification of heavy ions by magnetic analysis and measurement of energy, 21:45361 (LYCEN-6738, pp 150-4)
One-nucleon transfer reactions between complex nuclei at incident energies between 3 MeV/nucleon and 8 MeV/nucleon, 25:34008
Reactions (p,2p) at 156 MeV. I, 21:15527
Reactions (p,2p) at 156 MeV. II, 21:15495
Residual nuclei from $^{12}C + {}^{12}C$ reactions at 87 MeV, 22:26878
Search and identification of nuclei in the mass region 280 to 310, 24:49887
Study of medium-mass nuclei by inelastic scattering of 155-MeV protons. II, 21:7739
Three-, four-, and five-nucleon transfer reactions induced by heavy ions, 25:17756
Transfer reactions investigated at Orsay, 24:49736
JACOB, A. Television measuring projector for bubble chamber photographs, 22:10598
JACOB, E. H. Summary of results of general analytical evaluation program, 1—12/69, 25:34503 (NBL-256)
JACOB, Francois Prophage induction in a mutant strain of E. coli, 22:31298
JACOB, G. Charge commutator for any momentum, 23:25628
Lagrangian of quantum electrodynamics, 22:15722
Many-body problems and other selected topics in theoretical physics, 21:29415
New formulation of quantum electrodynamics, 22:35079
Radioactive iodocompounds in neuraxis, 24:36693
Two ways of spontaneous symmetry breaking, 22:3480
JACOB, Gerhard Commutators and Lorentz covariance, 25:3298
Remark on nuclear hole states in quasi-free scattering, 22:16071
Renormalization and gauge invariance in quantum electrodynamics, 24:52187
Spontaneously broken symmetries and current conservation, 21:9823
JACOB, H. Relativistic corrections to the three-body problem, 24:37677
JACOB, H.-E. Cultivation of bacteria with 8-azaadenine and the influence on the uv-sensitivity, 25:37904
JACOB, Horace Existence of the trineutron, 22:53090
JACOB, J. H. Free-streaming and spatial Landau damping, 22:17680
Interpretation of spatially decaying ion-acoustic waves, 25:19741
Symmetry considerations for grid-launched ion—acoustic waves, 24:26272
Symmetry considerations for grid-launched ion-acoustic waves, 25:19742
JACOB, Janine Study of molecular motion in liquid medium by means of the width of infrared vibration bands. I, 23:40638
JACOB, Jens Moessbauer-spectrometer MS 10, 21:34490
JACOB, Jonah Hye Excitation and spatial response of ion—acoustic waves, 25:17225
JACOB, Klaus Microearthquake activity before and after the nuclear explosion Benham, 24:20911

- JACOB, L. Fission of virus under electron bombardment, 21:11155
- JACOB, M. Absorptive corrections and Regge singularities, 22:41871
  - C, CP, and T discrete symmetries, 24:10791
  - Connection between inelastic proton—proton reactions and deep inelastic electron scattering, 25:9805
  - Current commutation relations and pionic reactions, 21:21207
  - Definition and determination of spin amplitudes. Some applications of polarized targets in high energy physics, 21:42371
  - Duality and inclusive phenomenology, 25:33678
  - Duality and unnatural-parity trajectories, 24:28544
  - Duality in strong interaction physics, 24:15547
  - Elastic scattering and isobar production at high energies, 23:27799
  - Energy poles from infinite daughter series, 23:46842
  - eta-decay: theoretical questions, 23:23423
  - Generalized unitarity and low-energy theorems, 22:34930
  - High-energy two-body reactions in the quark model, 21:23328
  - In search of exotic states, 24:49526
  - $K \to 3\pi$ spectrum and pole dominance, 23:49113
  - Meson scattering as a probe for deformed nuclei, 24:52585
  - Nonleptonic hyperon decays, 21:21193
  - Nonleptonic K decays, 22:17915
  - Perspective in high energy physics, 22:3235
  - Photoproduction and Regge behavior, 22:22365
  - Polarization effects in pp and anti pp scattering at high energies, 24:20178
  - Possible C violation in electromagnetic processes, 21:29475
  - Regge-pole model for photoproduction of pions and K mesons, 22:17904
  - Theory of hadronic interactions, 25:7622 (CONF-690608-, pp 127-40)
  - Triple Regge behavior in inclusive reactions, 25:45763
  - X^0 width, 23:34590
- JACOB, M. C. Study of differential cross section for reaction π^-p at 11.5 GeV/c, 22:46342
- JACOB, M. E. Computerized book circulation system, 22:6228 (SCL-DR-67-90)
- JACOB, Maurice Polarized targets in particle physics, 22:9715 (CERN-67-24(Vol.4), Paper 3)
  - Proceedings of 1967 CERN school of Physics, Raettvik, 5/21—6/3/67, 22:3469 (CERN-67-24(Vol.1))
  - Weak interactions and higher symmetries, 22:3483 (CERN-67-24(Vol.1), Paper 2)
- JACOB, R. Retrogression of human tumors as influenced by individual radiation doses and fractionation rhythms, 25:16263
- JACOB, R. B. X-ray fluorescence tester for detecting uranium contamination, 21:3327 (BNWL-SA-264)
- JACOB, R. J. High-energy photoproduction branching ratios in the Regge-pole model, 21:42311
- JACOB, R. M. Computerized book circulation system, 22:6228 (SCL-DR-67-90)
- JACOB, Richard J. Exchange-degenerate conspirators in π^+ photoproduction, 23:23428
  - Possible classification of exchange-degenerate trajectories, 23:15206
- JACOB, Robert A. Donor properties of pyrophosphate derivatives, 22:30468
- JACOBELLI-TURI, Carla Ion extraction by foam: separation of U from V, 21:17714
  - Ion extraction by foam: separation of U from Th, 21:17715
- JACOBI, Hatto Optical constants of β-phases NiIn, PdAl, NiGa/sub 1-y/Al/sub y/, and (Ni,Cu)Ga, 25:56352
- JACOBI, K. W. Effect of chemical radiation-protective agents on rabbit eyes exposed to fast neutrons, 24:27610
  - Effects of radioprotective substances on front eye section after action of fast neutrons, 22:12875
  - Eye changes caused by fast neutrons (15 MeV) and the protective action of chemicals, 25:27014
  - Neutron microdosimetry for rabbit eye, 25:4521
  - Radiation protection for rabbit eyes, 23:38601
  - Radiation protection of rabbit eyes, 24:27609
  - RBE of 15-MeV neutrons on cataracts, 23:33853
- JACOBI, Lee Mass spectra and classical dynamics, 24:12918
- JACOBI, Lee William Mass spectra and moments from classical dynamics, 25:19928
- JACOBI, S. Burst can detection system in the FR 2, 24:4102
  - Can failure—steam loop, 25:12820 (KFK-1255)
  - Cladding monitoring in sodium-cooled reactors by detection of delayed neutrons, 25:28698 (NP-18778)
  - Detection and localization of fuel element with simulated failure in the FR 2, 24:4103
  - HSD loop: steam loop for can damage tests, 25:39288 (EURFNR-847)
- JACOBI, Thomas Radioactive tracer ablation sensor, 22:4490
- JACOBI, W. Annual meeting of radiation protection experts, Berlin, Germany, 5/69, 24:27593 (CONF-690540)
  - Collection of radio-iodine in respiratory filters, 22:23172
  - Conductivity of hexane after action of γ radiation and its significance for dosimetry, 21:3092
  - Contamination of the river water by the fallout after extreme reactor accidents, 25:8660 (HMI-B-87)
  - Correlation between fallout from nuclear weapons tests and fission product activity in river water, 23:31417 (HMI-B-82)
  - Estimated contamination of open drinking-water reservoirs from fission-product fallout after nuclear explosions and extreme reactor accidents, 25:46805 (HMI-B-88)
  - Estimation of the surface water's contamination by the near fallout by nuclear explosions, 25:8354 (HMI-B-86)
  - Ionization and recombination in dielectric fluids after γ-irradiation, 23:13774
  - Microdosimetric conclusions from conductivity measurements in gamma-irradiated dielectric liquids, 24:44028 (EUR-4452, pp 715-36)
  - Natural radiation effect in the respiratory tract after inhalation of short-lived radon and thoron decay products, 21:22353
  - Particle-size spectrometry of aerosols, 23:29284
  - Separation of radioactive iodine in respiratory filters, 23:13833
- JACOBI, W. M. Westinghouse Liquid Metal Fast Breeder Reactor demonstration plant design, 25:51034
- JACOBI, Wolfgang Cylindrical plastic scintillators for monitoring beta—gamma-activity in air and water, 24:33893
  - Neutron dosimetry with thermoluminescence of lithium fluoride, 22:23533
- JACOBOWITZ, L. Goniometer for ultrahigh vacuum ion implantation, 24:11872
- JACOBS, A. Coulomb—Born excitation cross sections of hydrogen-like ions by electron impact at threshold, 25:24881
  - Formula for ionization cross sections of hydrogen-like ions, 23:25084
  - Ratio of O VIII Ly-α and Ly-β radiation from solar corona, 23:10395
- JACOBS, A. A. Role of the phagocyte in host-parasite interactions. XX. Restoration of x-irradiation phagocytic damage by endotoxin or polyadenylic-polyuridylic acids, 24:48696
- JACOBS, A. E. Experimental test of the theory of the proximity effect in superconductors, 23:1345
  - First-order transistion at H/sub c1/ and H/sub c2/ in type-II superconductors, 25:56082
  - First-order transitions in type II superconductors, 25:33174
  - Healing length of the superconducting order parameter, 25:56080
  - Interaction of vortices in Type-II superconductors near T = T/sub c/, 25:56081
  - Structure of vortex lines in pure superconductors, 24:10453
  - Superconducting transition temperature of superimposed films, 21:43964
  - Theory of inhomogeneous superconductors near T = T/sub c/, 25:56083
  - Theory of isolated vortex in pure superconductor near T = T/sub c/, 25:5051
- JACOBS, Alan M. Control of neutron beams by vibrating crystals, 25:50595 (CONF-710402-(Vol.2), pp I.22-32)
  - Neutron diffraction by a vibrating crystal, 24:6817
  - Neutron diffusion in media with holes, 21:7649
  - Point source Green's function for neutral particle transport, 23:36811
  - Point source Green's functions for neutral particle transport, 24:24908
- JACOBS, Allan Edward Proximity effect in superconductors:, 23:51583
- JACOBS, B. J. Analysis of human thyroids for ^{99}Tc, 22:51643
- JACOBS, C. G. Jr. Elastic scattering of ^{3}He by ^{4}He from 17.8 to 30.0 MeV, 24:38085
  - Moessbauer effect in ^{232}Th, 22:53191
  - Recoil radiation damage following Coulomb excitation, 23:42408
  - Recoil radiation damage following Coulomb excitation in Hf compounds, 24:19999
  - Recoil radiation damage following coulomb excitation, 25:56369
- JACOBS, Camille Application of nuclear techniques to the recovery of faded photographs, 25:26287
  - Recovery of faded photographs by nuclear techniques, 24:14191
- JACOBS, Clarence Gilbert Jr. Moessbauer effect observations of recoil radiation damage following Coulomb excitation in various Hf compounds, 24:32936
- JACOBS, D. Dynamical calculation of the Roper resonance, 24:20171
  - Lucy, a CRT film measuring device, 25:13259 (CERN-70-21(Vol.1), pp 427-65)
  - Realizing of z focusing in cylindrical electrostatic analyzers, 25:13325
- JACOBS, D. A. Device for the measurement of ionization density of bubble chamber tracks, 24:44319
- JACOBS, D. C. In-pile and unirradiated thermal conductivity of single-fired ThO_2 + 10 w/o UO_2, 24:25782 (WAPD-TM-901)
  - In-pile thermal conductivity of selected ThO_2—UO_2 fuels at low depletions, 23:36271 (WAPD-TM-758)
- JACOBS, D. G. Behavior of ^{90}Sr and ^{137}Cs in seepage pits at ORNL, 21:39167
  - Behavior of radioactive gases discharged into the ground, 21:14410
  - Dissolution of calcium—strontium carbonate and its subsequent movement in the ground, 25:4265 (ORNL-TM-3130)
  - Engineering, economic, and safety evaluation, 24:39175 (ORNL-4446, pp 17-22)
  - Engineering, economic, and safety evaluation, 25:18526 (ORNL-4584, pp 37-40)
  - Feasibility of deep-well injection of waste brine from inland desalting plants, 23:31262 (TID-25081)
  - Movement of radionuclides through saturated porous media, 21:10444 (ORNL-TM-1681)
  - Peaceful uses of nuclear explosives, 24:39460 (ORNL-4446, pp 26-39)
  - Preliminary assessment of the radiological implications of commercial utilization of natural gas from a nuclearly stimulated well, 24:41506 (CONF-700101-(Vol.1), pp 831-49)
  - Prog. rpt. on radiological safety of peaceful uses of nuclear explosives, 3/71, 25:24156 (ORNL-TM-3338)
  - Prog. rpt. on theoretical evaluation of consumer products from project Gasbuggy, 2/1969, 23:29474 (ORNL-TM-2427)
  - Prog. rpt. on theoretical evaluation of consumer products from Project Gasbuggy, 3/69, 23:35707 (ORNL-TM-2513)
  - Prog. rpt. on theoretical evaluation of consumer products from Project Gasbuggy, 10/69, 23:50460 (ORNL-TM-2721)
  - Prog. rpt. on theoretical evaluation of consumer products from nuclearly stimulated gas wells, 2/70, 24:23185 (ORNL-TM-2862)
  - Prog. rpt. on theoretical safety evaluation of consumer products from Project Gasbuggy, 7/69, 23:38569 (ORNL-TM-2657)
  - Radiological considerations in the use of natural gas from nuclearly stimulated wells, 25:4525 (ORNL-TM-3216)
  - Radiological considerations in the use of natural gas from nuclearly stimulated wells, 25:39861
  - Sources of tritium and its behavior upon release to the environment, 23:7640 (TID-24635)
  - Survey paper on tritium and nuclear power technology, 25:41470
  - Theoretical evaluation of consumer products from Project Gasbuggy. Final report, Phase I: Impact of hypothetical releases of contaminated gas in the San Juan Basin, 25:48684 (ORNL-4646)
- JACOBS, E. Decay of ^{140}Pr to levels in ^{140}Ce, 24:49901
  - Decay of ^{143}Sm to levels in ^{143}Pm, 25:5697
  - Decay of ^{147}Nd, 21:29976
  - Decay scheme of ^{99}Mo, 21:17371
  - Excited states of ^{173}Yb from decay of ^{173}Tm, 25:5747
  - Positron decays of ^{38}Ca and ^{38}K, 23:7256
  - Positron decays of ^{42}Ti and ^{38}Ca, 24:13336
- JACOBS, E. L. Combined telecobalt and 5-fluorouracil therapy in cancer of the stomach, 21:10961
  - Malignant mesothelioma treated with alpha-methyl hydrazine (Natulan) and irradiation, 21:24494
- JACOBS, Edwin M. Hodgkin's disease terminating in chronic myeloid leukemia, 22:6890
- JACOBS, F. Th. A. Irreversible behaviour of superconducting niobium wires, 23:14714
  - Some difficulties encountered with superconducting niobium—zirconium coil magnets, 21:18562
- JACOBS, H. Differential measurements after inhalation of natural uranium, 24:27600 (CONF-690540-, pp 391-6)
  - Distortion effects in elastic α—d-scattering, 23:44822
  - Distortion effects in elastic α-d scattering, 24:45728
  - Environmental radioactivity of Juelich Nuclear Research Center, 21:1446 (JUL-379-ST)
  - Methods for analysis of Th and Am in urine, 24:36683 (JUL-603-ST, pp 185-6)
  - Monitoring of operations: chemistry, 24:36746 (JUL-603-ST, pp 151-2)
  - Personnel monitoring: measurement of internal radiation burden, 24:36744 (JUL-603-ST, pp 109-18)
  - Prog. rpt. on environmental radioactivity, annual, 1966, 22:2193 (JUL-485-ST)
  - Prog. rpt. on radiation protection, annual, 1968, 24:36763 (JUL-603-ST)
  - Radioactivity in environment of the nuclear research center Juelich, 1968, 24:36729 (JUL-603-ST, pp 7-84)
  - Radiochemical separation, 24:36168 (JUL-603-ST, pp 203)
  - Rapid determination of radioiodine in natural waters, 21:5751 (JUL-410-ST)
  - Results of whole-body counting and excretion measurements following acute incorporation of ^{124}Sb, 24:36748 (JUL-603-ST, pp 175-85)
  - Whole-body counter and bioassay results after an acute ^{124}Sb exposure, 24:7859
- JACOBS, H. S. Mathematical analysis of kinetics of radioligand assays: improved sensitivity obtained by delayed addition of labeled ligand, 25:55145
- JACOBS, Herbert Measurement of electric fields in the ionosphere, 22:38887 (N-68-17614)
  - Prog. rpt. on measurement of electric fields in ionosphere, final, 8/66—9/67. II, 23:22980 (N-68-37713)
  - Prog. rpt. on measurement of electric fields in ionosphere, final, 8/66—9/67. I, 23:22979 (N-68-37604)
- JACOBS, I. D. Production of U metal spheres, 21:24730 (PEL-121(Vol.3), pp 268-307)
  - Prog. rpt. on extraction metallurgy, 12/65, 21:24081 (PEL-121(Vol.3))
- JACOBS, I. M. Common mode failure study discipline, 24:40942
  - Demonstration of performance and reliability of General Electric Co. Boiling Water Reactor main steamline isolation valves, 25:6040 (RISO-214, pp 247-53)
  - Guidelines for determining safe test intervals and repair times for engineered safeguards, 23:38134 (APED-5736)
  - Reactor protection system: a reliability analysis, 22:24931 (APED-5179)
  - Reliability of engineered safety features as a function of testing frequency, 22:32856
- JACOBS, I. S. Deep sea search for multiply-charged magnetic poles, 24:40326
  - Higher-degree exchange and anisotropic magnetization in paramagnetic Tb/sub z/Y/sub 1-z/Sb, 25:47634
  - Magnetic monopoles in deep ocean deposits, 24:3495
  - Search for multiply charged Dirac magnetic poles, 23:18789
- JACOBS, J. A. Conjugate points phenomena associated with energetic particles, magnetic observations, 22:47929
  - Cyclotron amplification of micropulsations Pcl in magnetosphere, 24:17773
  - Dependence of geomagnetic activity on the polarity of the interplanetary magnetic field, 25:2860
  - Determination of the magnetospheric plasma density by the use of long-period geomagnetic micropulsations, 22:36821
  - Features of geomagnetic micropulsations observed during recent quiet solar years, 22:43981
  - Investigation of quasi-periodic vlf emissions and their relation to geomagnetic micropulsations, 23:1272

Latitude-dependent characteristics of long-period geomagnetic micropulsations, 25:40484
Micropulsations of the earth's electromagnetic field in the frequency range 0.1-10 cps, 21:41951
Pi events with particular reference to conjugate point phenomena, 22:36825
Planetary modulation of geomagnetic activity, 21:39887
Plasma densities in the thermal magnetosphere determined by using hydromagnetic whistlers, 25:7306
Quasi-periodic vlf emissions, 24:5082
Ray paths of Pc 1 waves in the magnetosphere, 22:43996
Theoretical notes on whistlers and periodic emissions in the hydromagnetic regime, 21:39897
Twenty-seven day period of geomagnetic activity in auroral zones, 22:19892
JACOBS, J. H. PWR'S: how they've grown to today's size, 22:27443
JACOBS, J. J. Polarographic determination of total hexavalent uranium as uranyl fluoride in uranous fluoride, 22:27535 (NIM-129)
JACOBS, Jean M. Absence of effect of x-rays on the number of large nerve cells in the mouse spinal cord, 21:16504
JACOBS, John E. AEPIONICON: a new penetrating radiation imaging device, 22:43172
JACOBS, K. C. Friedmann cosmological model with both radiation and matter, 21:41730
JACOBS, K. G. Electron density profile of auroral layers at Kiruna, 23:46362
JACOBS, Kenneth C. Cosmologies of Bianchi type I, 23:14593
Homogeneous electromagnetic and massive-vector-meson fields in Bianchi cosmologies, 24:23720
Spatially homogeneous and Euclidean cosmological models with shear, 22:43788
JACOBS, Kenneth Charles Bianchi type-I cosmological models, 23:51357
JACOBS, L. A. Histologic effects of total-body x-irradiation in various dose fractionation patterns on fetal cerebral hemisphere, 21:34764
Recovery following x irradiation of fetal brain, 24:23345 (CONF-690501-, pp 779-97)
JACOBS, L. D. Analysis of the I = 0 (K anti Kπ) resonances produced in anti pp annihilations at 0.7 GeV/c, 24:5241
Enhancements $K_1^0K_1^0$ as observed in annihilations of slow antiprotons in H, 23:30710
Non-strange I = 1 meson of mass 1540 MeV, 23:34531
Reaction anti pp $\rightarrow$ K^0 anti K^0 π^+ π^- at 0.7 GeV/c and the spin—parity of the F_1 meson, 24:5246
Structure in the KantiK decay mode of the A_2 meson, 23:23354
JACOBS, Laurance David Resonance production and decay and elastic scattering in π^-p two-prong interactions, 21:7467 (UCRL-16877)
Study of resonance production and decay, and elastic scattering in π^-p two-prong interactions 2.05 to 3.22 GeV/c, 22:3285
JACOBS, M. Activation of the incorporation of thymidine-^{3}H into DNA of Arabidopsis thaliana L. heynh. induced by γ rays, 21:26668
Comparison of mutagenic action of alkylating agents and gamma radiation on Arabidopsis thaliana, 23:45702
JACOBS, M. A. Unified Fermi—Yang and Chew—Low models, 22:3375
JACOBS, M. J. N. Investigation of J $\rightarrow$ J M1 transitions in ^{36}Ar, 22:9822
JACOBS, M. L. Chemical extraction of an organic material from a uranium ore, 24:39007
JACOBS, Mathew A. Ghost-eliminating modifications in multipion amplitudes, 25:43628
JACOBS, Matthew A. Conspirators and daughters in unequal-mass, nonzero-spin scattering, 22:46546
Factorization of M/sup J/π $\rightarrow$ M/sup J'/π residues within Veneziano model, 25:7641
Improved upper bound on the imaginary part of elastic scattering amplitudes, 25:3460
Kinematic superstructures for abnormal couplings in 8-π dual amplitude, 25:20000
Kinematic superstructures for abnormal couplings in multipion dual amplitudes, 25:33856
Unequal-mass bootstrap using finite-energy sum rules, 24:3618
Veneziano representation for N anti N scattering, 24:3637
JACOBS, Max LeRoy Elucidation of the organic matrix from a uranium ore, 25:23517
JACOBS, Melville L. Combined irradiation, chemotherapy, and surgery for treatment of sarcomas, 21:45713
JACOBS, Morris B. Analytical toxicology of industrial inorganic poisons, 22:18734
JACOBS, P. W. M. Study of uv color centers in NaBr, 24:5201
Temperature dependence of F-center absorption in KBr and NaBr, 22:52894
JACOBS, Paul F. Cooled electrostatic probe, 21:9554
Electron—heavy particle nonequilibrium in a dense argon plasma, 21:15102 (ARL-66-0143)
Prog. rpt. on electron-heavy particle nonequilibrium in a dense Ar plasma, 9/64—8/65, 22:1152 (AD-646891)
JACOBS, R. $CaSO_4$—Mn dosimetry in dental x-ray diagnosis, 25:21719
Criticality dosimeters for activity measurements, 25:21718
Electron to positron conversion yield in thick targets, 24:13218 (FR-68-1/1)
Thick-target bremsstrahlung spectra, 25:17618
JACOBS, R. J. Negaton to positon conversion yield. II, 22:24762
Negaton to positon conversion yield. I, 22:24760
Width of 3.13 MeV state in ^{31}P, 22:9824
Widths of low-lying levels of ^{6}Li, 23:1818
JACOBS, Ralph R. Fine-structure measurement of singly ionized H, n = 4, 25:16785
JACOBS, Ralph Raymond Fine structure measurement of singly ionized He, n = 4, 25:11687
JACOBS, Robert B. In situ retorting of oil shale using nuclear energy, 22:30745
JACOBS, S. C. Deaerator ejectors and blowers for 50-Mgd and larger desalination plants, 21:43090 (ORNL-TM-1922)
Oak Ridge systems analysis code (ORSAC) User's manual, 25:36886 (ORNL-TM-3223)
JACOBS, Stanley S. Physical and chemical oceanographic observations in the southern oceans, 1966—67, 22:14375 (CU-2663-38)
JACOBS, Stephen F. Spectra and Zeeman effects of ruby single crystals at low temperatures, 24:11371 (NYO-1447-57)
JACOBS, Sydney Radiation pneumonitis and fibrosis, 21:24637
JACOBS, T. A. Recombination rate of deuterium atoms, 22:16534
JACOBS, Verne Low-energy photo-ionization of the 1^1S and 2^1S state of He, 25:11717
Two-photon decay rate of the 2^1S_0 metastable state of helium, 25:52611
Variational calculations of correlation effects in light atoms, 23:12540
JACOBS, Vivian A. Bibliography of computer codes literature, 21:44142 (ORNL-RSIC-15(Rev.1))
JACOBS, Vivian Z. Review of Monte Carlo method for radiation transport calculations, 25:17258 (ORNL-RSIC-29)
JACOBS, W. R. Angular and wavelength dependence of thermal radiation transmitted through refractory aerosols, 25:6134
Monte Carlo radiant heat transfer analysis of gas core reactors, 24:33467
JACOBS, W. W. Structure of ^{15}N and ^{14}N(d,p)^{15}N reaction, 24:1772
JACOBSEN, Andrew T. Electroplating ^{60}Co without residue, 21:41556
JACOBSEN, Donald A. Analyticity properties of unitary integrals, 21:42449 (AD-644991)
JACOBSEN, Donald W. High-resolution radiorespirometer for continuous determination of respiratory $^{14}CO_2$, 25:23923
JACOBSEN, J. A. Fast breeder reactor static physics methods development and analysis project, 24:11167 (BAW-3867-9(Vol.3))
Fast breeder reactor static physics methods development and analysis project, 24:11166 (BAW-3867-9(Vol.2))
Fast breeder reactor static physics methods development and analysis project, 24:11165 (BAW-3867-9(Vol.1))
Fast breeder reactor static physics methods development and analysis project. Volume 1. FARED: one-dimensional fast reactor physics design and analysis code, 25:12772 (BAW-3867-9(Vol.1)(Rev.1))
Prog. rpt. on static physics methods, 7—9/68, 23:9153 (BAW-3867-5)
JACOBSEN, L. Anomalies of eyes in descendants of women, irradiated with small x-ray doses during age of fertility, 23:10104
Retrospective study of the possible teratogenic effects of diagnostic pelvic x irradiation, 22:38482
JACOBSEN, Lars Low dose x-irradiation and teratogenesis. a quantitative experimental study with reference to seasonal influence on dose effects, 22:31270
Radiation-induced teratogenesis, 24:23313 (CONF-690501-, pp 229-42)
JACOBSEN, P.-U. Color index (R—I) for 330 late type stars, 24:17436
Photoelectric photometry of 1160 late-type stars, 24:46841
JACOBSEN, R. A. Number of ion pairs produced in gas by electron below 1 keV, 25:47548
JACOBSEN, T. High-latitude F-region irregularities, 25:27519
JACOBSEN, T. S. High-dispersion velocity curve of U Sagittarii, 24:15019
JACOBSEN, Ulf Preparation of ^{131}I-labelled proteins by an electrolytical method and purification of labelled product, 23:29296 (RISO-192)
JACOBSMEYER, Vincent P. Dynamic nuclear polarization (solid-state effect) associated with asymmetric ESR spectra in polycrystals, 22:24460
JACOBSOHN, D. H. Automatic data collection for Mossbauer effect spectroscopy, 24:39337
JACOBSON, A. Electron beam depth dose distribution evaluation, 25:46844
High energy electron beam therapy for head and neck cancer, 24:34534
JACOBSON, A. P. Bibliography on effects of human exposure to ionizing radiation, 22:17035 (NP-17232)
Coupled photometer and respirometer, 25:6461
In situ measurements of environmental radioactivity, 25:55239
Mortality and body-weight changes in Mongolian gerbil after ^{60}Co gamma irradiation, 25:46982
Radiomimetic effect of hydrogen peroxide on bacterial luminescence, 25:46727
JACOBSON, A. S. Balloon x-ray astronomy, 21:39791
JACOBSON, Ahren Effects of diagnostic x rays on chromosomes in infants, 21:41512
Practical aspects of betatron electron beam dosimetry, 25:24184
Radiation protection of overhead fluoroscopic installations, 25:21723
JACOBSON, Allan S. X-ray observations of the Crab Nebula, 24:35050
JACOBSON, Allan Stanley Gamma emissions from Crab Nebula, 23:1108
JACOBSON, Alvin R. Natural sources of air pollution, 21:6068
JACOBSON, Arnold F. Effect of temperature upon the uptake of ^{144}Ce by Chlamydomonas, 25:55162
JACOBSON, Arnold Palmer Measurement of bioluminescence and cellular respiration during x-ray exposure, 21:34839
JACOBSON, B. Dual-channel technique for elimination of the liver image from selenomethionine pancreas organ scans, 22:49402
JACOBSON, Baruch S. Mechanisms of lethal radiation damage and recovery in algal flagellates. final scientific report, 21:13072 (COO-1117-10)
Mitotic death due to radiation and drugs in Chlamydomonas and Chlorella, 21:34824
JACOBSON, Bertil Bone salt determination by x-ray spectrophotometry, 25:4642 (CONF-700515-, pp 237-42)
Conference on medical and biological engineering, Stockholm, 8/67, 23:29562
Primary x-ray dodging, 25:46910
JACOBSON, Burton Dual-channel pancreas scanning, 24:9895
Elimination of liver interference from the selenomethionine pancreas scan, 21:14700
JACOBSON, C. H. A long-lived reaction product from helium discharges, 21:27149
JACOBSON, C. M. Mechanisms by which x irradiation and genetic mutation cause loss of vibrissae in embryo mice, 21:22663
Ultrastructural study of early development of vibrissae in normal and x-irradiated embryo mice, 22:36219
JACOBSON, Charles H. Frequency response of Sheffield Electrojets, 22:37632 (RFP-1034)
JACOBSON, D. A. Generalized cluster decomposition of the S-matrix, 24:5448
Kinematics of multiparticle processes, 21:4132
Multiparticle amplitudes and sheet structure of S-matrix singularities, 22:22478
Product structure of measurements, 23:39852
Reduction of the two- and three-particle threshold singularities, 21:46598
Remarks on location of singularities in S-matrix theory, 21:37948
S-matrix theory without momentum, 23:3841
JACOBSON, D. L. Prog. rpt. on thermionic research and development program, 10/68, 23:6902 (NP-17700)
Prog. rpt. on thermionic research and development program, final, 7/15/66—1/15/68, 23:16692 (N-68-32185)
Prog. rpt. on thermionic research and development program, 7/68, 23:16689 (N-68-31488)
Prog. rpt. on thermionic research and development, 2/3/69, 23:22961 (NP-17774)
Prog. rpt. on thermionic research, 7/12/68, 22:50068 (NP-17604)
JACOBSON, Dean Prog. rpt. on development of thermionic converters, 23:32209 (EOS-4018-Q-1)
Prog. rpt. on development of thermionic converters, 7/15/69, 23:42012 (EOS-4018-Q-2)
Prog. rpt. on development of thermionic converters, 7/15/69, 24:3213 (N-69-33447)
Prog. rpt. on development of thermionic converters, 4/21/69, 24:3214 (N-69-35431)
Prog. rpt. on development of thermionic converters, 10/15/69, 24:5027 (NP-18062)
Prog. rpt. on development of thermionic converters, final, 10/70, 25:45324 (N-71-12277)
JACOBSON, Donald A. Generalized cluster decomposition of S-matrix, 24:26513 (AD-690080)
Kinematics of multiparticle processes, 21:42448 (AD-644980)
Persistent currents in superconducting rings containing Josephson junctions, 21:41959 (AD-644992)
Product structure of measurements, 23:30721 (AD-683566)
Scalar product for harmonic functions of the group SU(2), 22:50422
JACOBSON, E. B. Immunological memory in mice. II. Cell interactions in the secondary immune response studied by means of immunoglobulin allotype markers, 24:36715
Radiation effects and studies in evaluation of role of secondary nodules in preparation for secondary response, 22:19279
JACOBSON, Gary R. Isotopic effects and inhibition of polysaccharide phosphorylase by 1,5-gluconolactone. Relationship to the catalytic mechanism, 25:31905
JACOBSON, Harold Karan Diplomats, scientists, and politicians. The United States and the nuclear test ban negotiations, 22:1943
JACOBSON, Ivan V. Effect of x rays and hypoxia on the fetus, 23:26954
JACOBSON, J. Operating experience of steam generators in organic-cooled nuclear reactors, 22:32842
Steam cycle considerations for large heavy water-moderated organic-cooled reactor plants, 21:27742
JACOBSON, J. D. Method of characteristics for one-dimensional flow with chemical reaction, 24:43881 (LA-4269)
JACOBSON, Jerry H. Investigation of the effects of ruby laser radiation on ocular tissue, 21:16427 (AD-638917)
Toxic effect of thermal neutrons on the rabbit electroretinogram, 25:8761
JACOBSON, John R. Exposure-rate dependence of selected gamma dosimeters, 22:33667 (AD-664758)
Exposure-rate response of selected gamma dosimeters, 23:24467 (AD-679028)
Thermoluminescent dosimetry and its use at Army Nuclear Defense Laboratory, 23:31561 (AD-684910)
JACOBSON, Julius H. Detection of venous thrombosis in the human by means of radioiodinated antifibrin-fibrinogen antibody, 21:24519
JACOBSON, L. A. Nitrogen-14—^{14}N and ^{14}N—^{16}O elastic scattering, 24:15805
JACOBSON, L. O. Chromosome studies in pre-leukemia. I, 21:22373 (ACRH-26, pp 1-15)
JACOBSON, Larry Alan Elastic scattering: ^{14}N—^{14}N and ^{14}N—^{16}O, 24:45760
JACOBSON, Leon O. Prog. rpt., semiannual, 3/67, 21:45772 (ACRH-27)
Prog. rpt., semiannual, 9/66, 21:22471 (ACRH-26)
JACOBSON, Louis Mechanism and kinetics of mineral uptake by plants, 25:48422 (UCB-34-P-5-60)

  Prog. rpt. on mechanism and kinetics of mineral absorption by plants, annual, 10/66—9/67, 22:21011 (UCB-34-P-5-47)
  Prog. rpt. on mechanism and kinetics of mineral uptake by plants, 10/70—9/71, 25:46407 (UCB-34-P-5-59)
JACOBSON, M. E. Chemical development for EBR-II fuel process, 1967—69, 24:31440 (IN-1285)
  Clarification of electrolytic dissolver solution using a hydrocyclone, 23:28949 (IN-1276)
  Recovery of U from EBR-I core 2 melted fuel, 21:28049 (IN-1088)
  Undissolved uranium aluminide in reprocessing of test reactor fuels, 24:27188 (IN-1364)
JACOBSON, M. I. Solid solubilities of Ag, Al, Cr, Cu, and Fe in zone-refined Be, 22:41062
JACOBSON, Melvin J. Statistics of a random plus constant vector with application to acoustic and electromagnetic-wave scattering, 25:3239
JACOBSON, R. A. Crystal structure of thorium diiodide, 23:171
  Design, installation, and operation of an automatic neutron diffraction system, 22:19187 (IS-1740)
  New technique for neutron diffraction. use of white radiation, 25:37687
  Operation of an x-ray and a neutron diffractometer controlled by a non-dedicated computer system, 22:340 (IS-1701)
JACOBSON, R. L. Effects of Ar$^+$ and Kr$^+$ ion bombardment on the surface structure of Ge, Si, and Cu, 21:43831
JACOBSON, R. S. Magnetic acceleration of flyer plates for shock wave testing of materials, 21:43206 (SCL-DR-67-60)
  Numerical predictions of the motion of magnetically accelerated flyer plates, 23:43477 (SCL-DR-69-44)
JACOBSON, Robert A. Fast Fourier algorithm and programs ALFF, ALFFDP, ALFFPROJ, ALFFT, and FRIEDEL, 25:51291 (IS-2625)
  FORTRAN IV crystallographic system of programs for generalized superpositions, 24:20663 (IS-2210)
JACOBSON, Sally J. Splenosis demonstrated by splenic scan, 25:52137
JACOBSON, T. P. Capsule design for dynamic in-pile friction experiments, 24:16740 (CONF-690910-, pp 742-58)
JACOBSON, W. C. Distribution of radioactivity in milk resulting from oral administration of ^{14}C-labeled carbaryl, 22:19246
JACOBSSON, F. Adenoid cystic carcinoma of the parotid gland, 22:8587
  Catabolism of albumin and gamma globulin after treatment with ionising radiation to the abdomen, 21:45722
JACOBSSON, P. A. Adenoid cystic carcinoma of the parotid gland, 22:8587
JACOBSSON, S. Integrated magnitudes of M33 and M101, 24:28043
JACOBUS, D. D. Precision surveying in radioactive areas with TV on theodolite, 21:42479 (BNL-11248)
JACOBUS, David P. Potential antiradiation agents. II, 24:32040
JACOBY, B. Fixation of ^{65}Zn in calcareous soils and its availability to tomato plants, 22:14933
JACOBY, Charles W. Glovebox window materials, 24:27901 (RFP-1424)
JACOBY, H. Placental localization using /sup 99m/Tc labeled albumin, 23:29644
JACOBY, J. Placental localization by inhalation of radioactive carbon monoxide, 23:38640
JACOBY, W. J. Jr. Radiotherapy of Hodgkin's disease of the jejunum, 22:51943
JACOBY, W. R. Characterization of modified and unmodified (U,Pu)C potential fast reactor fuels, 24:25801
  Characterization of some $Cr_{23}C_6$-modified (U,Pu)C fuels for irradiation testing, 24:48885 (CONF-690954-, pp 130-46)
  Compatibility of (U,Pu) carbides with potential jacketing materials, 23:10245
  Compatibility of stabilized hypostoichiometric uranium—plutonium monocarbide fuels with stainless steel, 21:26894 (WCAP-3791-3)
  Compatibility of stabilized hypostoichiometric (U,Pu)C fuels with stainless steel, 21:38488
  Design and fabrication of sodium-bonded (U, Pu)C fuel pins for testing in EBR-II, 24:25769 (WARD-3791-43)
  Development of U—Pu monocarbide fuel pins for the LMFBR, 22:16202
  Examination of the microstructures of mixed uranium—plutonium dioxide fuel pellets for fast flux irradiation studies, 25:58397
  Fabrication and characterization of uranium—plutonium carbide fuel pellets, 23:36206
  Prog. rpt. on (U,Pu)C, 9/30/68, 23:12396 (WARD-3791-27)
  Prog. rpt. on U Pu carbide development, 3/68, 22:38626 (WARD-3791-18)
  Prog. rpt. on U Pu carbide, 6/30/68, 22:45806 (WARD-3791-21)
  Prog. rpt. on U—Pu carbide development, 9/67, 22:8807 (WCAP-3791-10)
  Prog. rpt. on uranium plutonium carbide development, 12/67, 22:21674 (WARD-3791-12)
  Prog. rpt. on uranium—plutonium carbide development, 12/68, 23:24871 (WARD-3791-31)
  Welding stainless steel fuel element end plug closures, 24:32349 (WARD-3791-44)
JACOE, P. W. Colorado dental x-ray machine survey, 1961—April 1965, 22:36260
JACOE, Paul W. Prog. rpt. on Rn progeny inhalation as applicable to U mining, annual, 1966, 21:20167 (COO-1500-3)
JACOT, J. Measurement of a gamma ray by a detection chain, 23:41023
JACOVONI, F. Analog simulation of pressurized water nuclear power plant for ship propulsion, 21:13965 (EUR-3111.i)
  Analog simulation of PWR plant with space-time core equations, 21:13966 (EUR-3112.i)
JACOVONI, Franco Fluid dynamic stability in heat exchangers for nuclear plants, 23:26103
JACOX, Harold W. Clinical aspects of hyperbaric oxygen and radiotherapy, 23:41497
  Radiation-induced sarcoma after treatment of breast cancer, 24:42020
JACOX, Marilyn E. Matrix-isolation study of reaction of atomic and molecular fluorine with carbon atoms, 22:23017
  Matrix-isolation study of the vacuum-ultraviolet photolysis of methyl chloride and methylene chloride. Infrared and ultraviolet spectra of the free radicals CCl, H_2CCl, and CCl_2, 24:50371
JACQUELIN, R. RAPSODIE: second type control rod mechanism tests of secondary sealing barrier, 23:4306 (EURFNR-520)
JACQUEMAIN, M. SILOE: its operation, history, and problems, 23:4348
JACQUEMAIN, Michel Safety of MELUSINE after raising power to 4 MW, 22:22806 (CEA-R-3131(Vol.1))
  Safety of MELUSINE after raising power to 4 MW, 22:22807 (CEA-R-3131(Vol.2))
JACQUEMART, Rene Reactivity measurements using the continuous run technique, 25:28799 (CEA-N-1385)
JACQUEMIN, A. Singular potentials and multiplicity of the N/D solutions, 21:15426
JACQUEMIN, J. Contraction of β and delta phases of Pu under the effect of self-irradiation at 4.2°K, 25:8904
  Elongation by self-irradiation of α-plutonium at 1.5°K, 24:36942
JACQUEMIN, Jean Length variations of the α, β, and delta phases of plutonium due to self-irradiation at 1.4 and 4.2°K, 24:51182 (CEA-CONF-1619)
JACQUEMIN, M. New transport regulations of the AIEA considerations of transportable quantities, 22:45589
JACQUEMIN, R. Determination of Sr by atomic absorption, flame spectrophotometry, and activation analysis, 23:4552
JACQUES, D. Elastic scattering of 50 MeV protons by light nuclei, 25:25645
  Elastic scattering of 50 MeV protons by nuclei in range from ^{42}Ca to ^{208}Pb, 25:25700
JACQUES, J. High-temperature in vacuo microhardness machine, 23:6241 (EUR-4057)
JACQUES, R. Dynamics of chemical separation plants, 24:36481
JACQUET, F. Further results in direct search for C violating decay mode eta^0 $\rightarrow$ $\pi^0 e^+ e^-$, 21:31518
  Neutral-decay mode of eta^0 and ω^0 mesons, 23:49060
  Search for decay mode eta^0 $\rightarrow$ $\pi^0\gamma\gamma$, 22:5494
JACQUET, G. Production of multicharged ions in a reflex source with axial extraction, 25:3111 (LYCEN-7065)
JACQUIER, Robert Molecular symmetry and configuration of acetaldazine, 25:37367
JACQUIN, F. Ruthenium-106 migration in irrigated soils, 25:21161
JACQUIN, Fernand Environmental mobility of ^{106}Ru during irrigation processes, 25:10692
JACQUIN, J. C. Mont Arret power plant: EL-4, 23:40296
  Survey and control of EL4 reactor, 22:30270
JACQUIN, J.-C. Digital computer applications for data processing of nuclear reactors and power plants. III, 23:28376
JACQUIN, Jean-Claude Blowing loop in EL 4 reactor: CO_2 flow control analog study. I, 21:5604 (CEA-R-2793)
JACQUIN, Jean-Pierre Comparison of vertical distributions of ^{222}Rn from 0 to 4,500 m above Atlantic Ocean, Antartica Continent, and Paris region, 22:17511
JACQUIN, M. Electrochemical properties at high temperatures of the system zirconia—neodymium oxide, 22:23832
  High temperature ceramic conductors and insulators, 25:8936
  Physico-chemical properties of solid binary electrolytes, 23:21700
JACQUINOT, J. Containment of a pulse-heated plasma in an octopolar minimum-B configuration, 25:38362 (CONF-710607-90)
  Determination of the pressure anisotropy in a mirror-confined plasma, 25:5085
  Electromagnetic instabilities in a slightly relativistic plasma, 25:56228 (CEA-CONF-1806)
  Electrostatic instabilities in a two-component anisotropic plasma, 25:59061 (CEA-CONF-1828)
  Growth rate calculations for electron—electron modes with pressure anisotropy and cold plasma, 24:42737
  Growth rate of electrostatic waves in an anisotropic medium, 24:42720 (EUR-CEA-FC-541)
  Growth rates of electrostatic waves in medium with or without cold plasma, 25:14384
  Impulsion heating of plasma in Bille-en-Tete experiment, 22:1139 (LA-3770, Paper E1)
  Instabilities and cyclotron wave excitation in a hot electron plasma, 23:46494 (CEA-CONF-1309)
  Microinstabilities in a confined hot-electron plasma, 23:32464
  Microinstabilities in a plasma of confined hot electrons, 23:16829 (CEA-CONF-1006)
JACQUINOT, Jean Results obtained from "Bille en Tete A" experiment. I and II, 21:9559 (CEA-R-3000)
JACQUINOT, L. Use of tritiated water to study water circulation in sandy soil in Senegal, 22:23160
JACQUOT, Andre Otto Hahn, the nuclear power research ship and its importance for the European community, 21:34148
JACQUOT, B. Confinement of energetic plasma in a pulsed magnetic bottle, 23:18586 (CONF-680113-(Vol.2), pp 677-99)
  Desensitivity of a microwave cavity to measurements of hot-electron density, 25:14262
  Production of intense beams of fast neutral particles using plasma accelerators of the pleiade type, 25:11920 (EUR-CEA-FC-567)
  Recent developments of the Pleiade device, 25:38364 (CONF-710607-93)
  Recent results from Pleiade mirror device, 25:1159 (CEA-CONF-1603)
JACQUOT, Bernard Accumulation of plasma for several milliseconds between a mixed-field accelerator and a magnetic mirror, 24:12782
  Behavior of the plasma furnished by a mixed field accelerator in the presence of continuous or pulsed magnetic mirrors, 22:44194
  Ions trapped between mixed-field accelerator and a periodic magnetic mirror, 24:12784
  Method of production of charged-particle beams, 24:24008
  Plasma accumulation between a mixed field accelerator and a pulsed magnetic mirror, 22:34584
JACQUOT, C. α-particle interactions on C and N targets, 24:52456
  Cross sections of fragments emitted in spallation reactions of C and N with 90-MeV α particles, 24:15841
  Cross sections of p and α-particle interactions with C and N, 24:24516
  Desensitivity of a microwave cavity to measurements of hot-electron density, 25:14262
  Mechanism (α,α') and $(\alpha,2\alpha)$ occurring in the reaction $\alpha + {}^{12}C \rightarrow 4\alpha$ at 90 MeV, 25:17761
  Mechanisms and partial resonances in $\alpha + {}^{12}C \rightarrow 4\ \alpha$ at 90 MeV, 24:45743
  On-line operation of a digitized microscope with telecontrol, 23:47760
  Production of intense beams of fast neutral particles using plasma accelerators of the pleiade type, 25:11920 (EUR-CEA-FC-567)
  Reaction $^{12}C(\alpha,2\alpha)$, 24:49770
  Recent developments of the Pleiade device, 25:38364 (CONF-710607-93)
  Recent results from Pleiade mirror device, 25:1159 (CEA-CONF-1603)
  Substructures in ^{12}C and ^{14}N, 25:56652 (LYCEN-7104, S2.1-2)
  Total experimental cross sections of nuclear reactions produced by 90 MeV and 70 MeV alpha particles of ^{12}C and ^{14}N target, 24:49758
  Ultrafast diagnostic spectroscopy of a plasma created by focusing a laser beam on a gas, 23:20887 (CEA-CONF-1060)
JACQUOT, Claude Accumulation of plasma for several milliseconds between a mixed-field accelerator and a magnetic mirror, 24:12782
  Cinematography of weakly luminous transient phenomena using image converters, 21:20922 (CEA-R-3097)
  Contribution of electro-optics to plasma research, 21:35138 (CEA-R-3237)
  Cross sections of reactions induced by 125-MeV protons on C, N, and O nuclei, 22:41976
  Formation cross sections of fragments with mass greater than or equal to 6 emitted in reactions induced by α particles of 90 MeV in C and N targets, 22:35221
  Formation of Li and Be nuclear fragments in interactions of 125-MeV protons with targets of C and N, 22:37301
  Ions trapped between mixed-field accelerator and a periodic magnetic mirror, 24:12784
  Measurement of density and temperature fluctuation of neutral particles in diffusion plasma, 22:9282
  Method and apparatus for obtaining a high-speed and high-resolution record of the spectral profile of a luminous source, 25:1185
  Reactions by 90-MeV α particles on C, N, and O nuclei, 22:35239
  Study of excitation state of ^{6}He and ^{6}Li nuclei produced in nuclear reactions, 22:26804
  Time-resolved spectroscopic diagnosis of a plasma created by focusing of a laser beam on a gas, 23:3459
  Use of a high mode microwave cavity as a plasma accelerator using the electron cyclotron resonance, 25:45459 (EUR-CEA-FC-596)
JACQUOTTE, Max Evaporating system having level control, 21:17809
JACROT, B. Neutrons and critical phenomena, 23:16892
  Utilization of neutron guide tubes for neutron inelastic scattering, 25:18185
JACSON, Michel Fabrication of stainless steel or zirconium alloy nuclear tubes, 21:1187
JACUCCI, G. Optical observation of second sound in He II, 22:7221
JADAMEC, J. Richard Emission intensity of cesium in flames of various gas compositions, 22:27573
JADASSOHN, W. Dermatologic x-ray therapy, 21:30880
  Dosage in dermatologic radiotherapy, 24:6137
  Dose in dermatologic radiotherapy, 24:2760
  Lessening of guinea pig eczema by a previous x irradiation, 24:845
  X rays on the sebaceous gland in the guinea pig and man, 21:22610
  XIII International Congress of dermatology, Munich, 7—8/67. I, 23:29560
  XIII International Congress of dermatology, Munich, 7—8/67. II, 23:29561
JADCZYK, A. Z. Algebraic quantum field theory, 23:27859
JADHAV, A. V. Cumulative yields of ^{99}Mo, ^{105}Rh, and ^{132}Te in the spontaneous fission of ^{238}U, 21:25541
  Ion exchange studies with zirconium phosphate, 23:385
  Preparation of U(IV) solutions, 23:377
  Uranium(IV) as reductant for Pu(IV), 23:378
  Use of U(IV) as reductant for Pu in Purex process, 23:45241 (BARC-375)
JADHAV, K. B. SLIDER: program for computation of release of fission products from one-dimensional multilayered fuel configurations, 24:4164 (GA-8566)
JADOT, A. Irradiation process and apparatus, 24:16756

JADOT, Andre Irradiation process and apparatus, 23:40705
JADRESIC, Alfredo Therapeutic hypopituitarism, 21:16394
JADY, R. J. Normal modes of decay of a magnetic field in magnetohydrodynamics, 23:36570
JAE, Won Mok Study of backscattered β-ray and its applications, 22:28197
JAEAESKELAEININ, J. 70 mm radiophotofluorography in heart disease, 24:48629
JAECH, J. L. Evaluation of atomizing nozzles for the spray solidification of radioactive waste, 23:43488 (BNWL-1066)
  Investigation of mixed oxide $(U_{0.75}Pu_{0.25})O_2$ processing using a nine variable fractional factorial experiment, 24:46769 (BNWL-1445)
  Role of statistics in safeguards, 24:2425 (WASH-1140, pp 197-231)
  Role of statistics in safeguards, 24:33859 (BNWL-1385)
JAECH, John L. Estimation of Weibull parameters from failure data, 22:39894 (BNWL-SA-1920)
  Some statistical problems in mass spectrometry, 22:21019 (BNWL-SA-1717)
JAECKEL, Hans Joachim Continuous determination of the hydrogen content of liquid hydrocarbons by means of neutrons, 22:4005
JAECKEL, M. Methods for analysis of Th and Am in urine, 24:36683 (JUL-603-ST, pp 185-6)
JAECKEL, P Necessary and sufficient radiation protection measurements in works utilizing sources of ionizing radiation, 22:23270
JAECKEL, P. Movable flooring contamination monitor, 23:21942 (SZS-16/68)
  Radiation protection when using densitometers, 24:725
JAECKLE, J. High-frequency ultrasonic attenuation in superfluid helium under pressure, 25:49820
JAECKLE, Josef Sound absorption in superfluid He, 24:15208
JAECKS, D. Excitation of Ne, Ar, Kr, and Xe by He^+ impact, 23:44177
JAECKS, D. H. Electron multiplier efficiency for hydrogen atom detection, 24:44263
  Measurement of differential charge-transfer cross sections and probabilities by photon—particle coincidence technique, 24:45022
  Polarization of Lyman-alpha radiation from H^+— and D^+—rare gas charge-transfer collisions, 22:15344
JAECKS, Duane Lyman-α radiation resulting from ion collisions with molecular gases, 21:33200
JAEGARE, S. Decay of high angular momentum states populated in heavy-ion reactions, 22:30117
  Fissioning hot compound nucleus, 24:3976
  Population and decay of high angular momentum states in heavy ion reactions, 21:15624
  Population of rotational and isomeric states in rare earths, 21:15577
JAEGER, Emilie Fission track ages of some alpine micas, 22:42854
JAEGER, F. Mechanism for the breakdown of adiabatic invariance, 24:15329
JAEGER, Friedrich Wilhelm Problems, tasks, and working aids in solar research, 23:27298
JAEGER, H. Measurement of Stark broadening of Ba II lines, 23:25155
  Nucleation and growth of silver films deposited on mica substrates in ultra-high vacuum, 22:43607
JAEGER, H. U. Even-parity states of ^{16}O in pairing-plus-quadrupole model, 22:9784
  Non-normal parity states in A = 14 and 13 nuclei. I, 25:50649
  Pairing correlations in double magic nuclei, 21:44751 (ZFK-122, pp 337-42)
  Pairing-plus-quadrupole calculations of even-parity states of ^{16}O and ^{20}Ne, 24:3859
JAEGER, H.-U. Behaviour of the pairing solution in the vicinity of the critical point, 23:21380 (ZFK-130, pp 184-5)
  Deformed states in ^{16}O, 23:21272 (ZFK-130, pp 186-8)
JAEGER, J. C. Heat flow and radioactivity in Australia, 24:33786
  Heat flow and surface radioactivity measurements in Precambrian shield of western Australia, 22:25521
JAEGER, K. Evidence for a πeta resonance at 970 MeV, 23:44605
  Observation of Σ resonances in the 1670-MeV mass region, 24:37653
  Production of Σ hyperons in K^-p interactions, 23:16935
  Properties of $\Sigma(1660)$ produced in K^-p interactions at 3.9, 4.6, and 5.0 GeV/c, 23:44599 (BNL-13823)
  Study of $Y_1^*(1660)$ and $Y_1^*(1695)$ production in K^-p interactions, 22:20139
JAEGER, Klaus Bruno Quasi-two body production involving Y_1^* resonant states in K^- meson—proton interactions at 3.9, 4.6, and 5.9 GeV/c, 25:59284
JAEGER, Marcelle Detecting radioactive substances in fluid, 23:28738
JAEGER, R. Definitions of dose equivalent, the rem and valuation factor, 23:29501 (NRC-TT-1361)
JAEGER, R. E. Effects of radiation on dielectric properties of refractory low-loss ceramics, 23:41755
  Influence of OH^- concentration and irradiation on low-temperature dielectric loss in silica glass, 22:21765
JAEGER, R. G. Engineering compendium on radiation shielding. I, 23:16851
  Engineering compendium on radiation shielding. III, 25:30634
JAEGER, Raymond Edward Thermal conductivity of neutron irradiated Al_2O_3, BeO, and MgO at low temperatures, 22:19681
JAEGER, Robert Definition of dose equivalent, the Rem unit, and the valuation factors, 21:3408
JAEGER, Robert G. Work of international organizations in radiology, 23:2842
JAEGER, T. A. Problems and trends in the construction of nuclear power stations, 24:52856
  Report on the starting of a coordinated work program for prestressed concrete reactor pressure vessels in the Federal Republic of Germany, 25:31560 (IAEA-126, pp 115-77)
JAEGER, Th. A. Engineering compendium on radiation shielding. I, 23:16851
JAEGER, Thomas A. Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 2, Pt. F, 25:54052
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 5, Pt. L, 25:54055
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 3, Pt. G, 25:54053
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 2, Pt. E, 25:54051
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 5, Pt. M, 25:54056
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 1, Pt. D, 25:54050
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 4, Pt. J, 25:54054
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 4, Pt. K, 25:54166
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 1, Pt. C, 25:54310
  Conference on structural mechanics in reactor technology, Berlin, 9/71. Vol. 3, Pt. H, 25:56882
  German research and development on prestressed concrete reactor pressure vessels, 25:31662 (EUR-4531, pp 59-71)
  Graduate-level courses on structural engineering for nuclear facilities, 23:2476
  Plant design and structural engineering for nuclear installations, 23:40932
JAEGER, W. Routine use of grid irradiation in cervical carcinoma, 21:30831
  Second-class currents and μ—e ratio for semi-leptonic hyperon decays, 25:53116
JAEGER, Wolf-Eckhard Legal and insurance matters, 23:29557
JAEGLE, P. Absorption of ultra-soft x rays in Pt and Ta, 22:24475
JAEHDE, M. Effect of 2,4,6-triethylene-imino-s-triazine and x-rays on chick embryo phosphatases, 25:24055
JAEN, Jong K. Method for finding the general-relativistic effective potential, 22:5656
  Quantum correlation function for the noninteracting particle system, 21:43786
JAEN, Jong Kook Approximation (WKB) for the quantum radial distribution function, 21:18870
JAENECKE, J. Calculation of mass value for atomic nuclei with A less than or equal to 80, 23:30922 (KFK-829)
  Isobaric analog states and Coulomb displacement energies in (1d/sub 5/2/) shell, 23:52133
  Isospin nonconservation in reactions $^{16}O(d,\alpha)^{14}N^*$/sub 0^+, T = 1/ and $^{12}C(d,\alpha)^{10}B^*$/sub 0^+, T = 1/, 25:31227
  Numerical tables for beta-decay and electron capture, 23:23782
  Semidirect T-forbidden reaction $^{12}C(d,\alpha)^{10}B$, 23:7234
  Structure of ^{34}S and ^{34}Ar, 24:20379
JAENECKE, Joachim Coulomb displacement energies in the 1f/sub 7/2/ shell, 22:37382
  Coulomb energies and excitation energies of isobaric analogue states, 23:23772
  Coulomb energy systematics, 21:4359
  Quartic isobaric multiplet mass equation, 23:25844
  Shell-model description of Coulomb displacement energies in the light nuclei, 25:28479
  Systematics of Coulomb energies, 24:40697
JAENICKE, L. Regulating factor in methionine biosynthesis, 25:4002 (UCRL-Trans-10487)
  Steps involved in synthesis of methionine by E. coli, 24:18869 (UCRL-Trans-10444)
JAENISCH, W. Effect of laser beams on cerebrum of animals, 24:21298
  Effect of laser radiations on cerebrum of animals, 24:841
  Induction of intracranial tumors by ionizing radiation, 22:25975
  Laser radiation and the tumor problem, 22:43383
JAENTSCH, O. Small rod-shaped silicon detectors for medical applications, 25:57808
  Small rod-shaped silicon-detectors for medical and biological applications, 25:8464 (BMBW-FBK-70-15)
  Spectral noise intensity of silicon detectors, 25:57742
  Spectrum of a small rod-shaped Si-detector, 24:27376
JAEPEL, F. Measuring device for the control of boric acid concentration in reactor facilities, 22:25685
JAERPLID, Bertil Irradiation-induced asymmetry of the thymus in mice, 22:28642
  Radiation-induced asymmetry and lymphoma of thymus in mice, 23:22406
JAERSCHKY, R. Commissioning of KWL, 22:30178
  Nuclear Center of Gundremmingen and AEG Boiling Water Reactors, 22:3871
  Simulator training of operating personnel for nuclear power plants, 24:40793
JAERSCHKY, Rudolf Gundremmingen nuclear power plant, 21:12195
  Taking the Lingen station into operation, 23:19454
JAERSCKY, R. Commissioning and start-up of KWL, 23:9115
JAESCHKE, E. Bunched nsec beam pulses of heavy ions up to mass 32 with a HVEC tandem accelerator, 22:7593
  Nanosecond-pulsing system for heavy ions with HVEC tandem accelerator, 23:30886
JAFAR, J. D. Attenuation cross-sections for 650 MeV deuterons, 21:23414
  Data handling system for sonic spark chambers, 21:39208
  Deuteron stripping at 1.69 GeV/c. I, 25:14906
  Measurement of reaction $^{35}Cl(n,\gamma)^{36}Cl$ using a three-crystal pair and anti-Compton spectrometer, 25:10000 (PH-2)
  Small-angle d—p elastic scattering, 23:21051
  The real part of the spin-independent forward scattering amplitude in elastic nucleon-nucleon collisions, 21:42260
JAFAREY, N. A. Radiation changes in carcinoma of oral cavity, 24:23283
JAFAROV, I. G. Possibility of obtaining complex form factors from experiments with polarized particles, 21:9746
JAFFE, A. Model estimates and results, 25:12255
  Rigorous quantum field theory models, 24:33038
JAFFE, A. A. Angular distribution of gamma rays following (α,n) and (p,n) reactions, 22:18187
  Angular distribution of gamma rays following reaction $^{64}Zn(p,n)^{64}Ga$, 22:26998
  Angular distributions of gamma rays following (α,n) and (p,n) reactions, 22:32549
  Coulomb displacement energies and nuclear masses, 23:21329
  Coulomb displacement energies of nuclei, 21:2617
  Coulomb displacement energy systematics from calcium to samarium, 21:25519
  Isobaric analog resonances in ^{131}I, 24:43443
  Isobaric analog resonances in light nuclei, 21:1045
  Isobaric analogue resonances in (p,n) reactions on ^{74}Ge, ^{107}Ag, ^{109}Ag, and ^{141}Pr, 21:2699
  Isobaric analogue resonances in (p,n) reactions on ^{78}Se, ^{80}Se, ^{82}Se, and ^{87}Rb, 22:15978
  Isobaric analogue states in ^{131}I, 21:1114
  Mass and half-life of ^{34}K, 25:43875
  Reactions $^{60}Ni(p,n)^{60}Cu$ and $^{60}Ni(\alpha,n)^{63}Zn$, 21:25481
  Scattering of protons from ^{128}Te and ^{130}Te, 25:12602
  Scattering of protons near thresholds of (p,n) reactions to analogue states, 22:20503
JAFFE, A. I. Binding energies and charge radii of ^3H and ^3He, 22:32482
  Bound-state scattering in Lee-model-type field theory, 21:9862
  Particle instability of /sub Λ/^{3}n, 22:17976
  Solution of and standard approximations for an exactly soluble three-particle model of stripping, 21:44789
  Standard approximations for an exactly soluble model of stripping, 22:27348
  Three-particle model for a deuteron optical potential calculation, 21:13926
JAFFE, A. M. Constructing the lambda(phi^4)$_2$ theory, 24:52184
  Progress in constructive field theory, 24:5335
JAFFE, Arthur Energy momentum spectrum and vacuum expectation values in quantum field theory. II, 25:53306
  Energy—momentum spectrum and vacuum expectation values in quantum field theory, 25:12269
  Infinite renormalization of the Hamiltonian is necessary, 24:10833
  Lambda(phi^4)$_2$ quantum field theory without cutoffs. III, 25:9849
  Model of Yukawa quantum field theory, 24:5341
  Quantum field theory (lambdaphi^4) without cutoffs. I, 23:15208
  Self-adjointness of the YUKAWA$_2$ Hamiltonian, 25:7725
  Yukawa interaction in infinite volume, 23:8845
JAFFE, Arthur M. Cut-off model field theories, 24:10819
  High energy behavior of local quantum fields, 21:13725 (SLAC-PUB-250)
  High-energy behavior in quantum field theory. I, 21:37924
  Infinite volume limit of lambdaphi^4 field theory, 22:35085
  Lorentz covariance of lambda(phi^4)$_2$ quantum field theory, 24:43014
  Relativistic covariance of an interacting quantum field, 24:49581
JAFFE, Arthur Michael Dynamics of a cut-off lambdaPHI^4 field theory, 21:19064
JAFFE, Bernard Influence of microstructure on dielectric and ferroelectric properties, 21:2336
JAFFE, Bernard M. Distribution and localization of radioiodinated gastrin, 24:16959
  Radioimmunoassay of peptides lacking tyrosine, 24:29628
JAFFE, D. Apparatus for measurement of thermal conductivity of irradiated solids in range 100 to 200 deg C, 21:6839
  Spectrophotometric compositional analysis of tantalum—aluminum alloy films, 25:35303
JAFFE, Fred Ionizing irradiation polymerization of trioxane, 23:26305
  Preparation of polyoxymethylene using high energy radiation, 24:46252
JAFFE, Frederick A. Radiation-induced neurofibromata, 21:32700
JAFFE, H. L. Recording scan data in photographic color. I and II, 23:33441
JAFFE, Henry L. Later results of ^{131}I treatment of hyperthyroidism, 24:12312
JAFFE, Jack Collapsing objects and the backward emission of light, 24:6338
  Escape of light from within a massive object, 24:46890
JAFFE, Leon Discrete Lorentz and singleton representations of universal covering group of 3 + 2 de Sitter group, 25:41036
JAFFE, M. Effect of X-rays on extended chain crystals of polyoxymethylene, 22:27751
  Nature of quenching, 24:11780
JAFFE, Mark H. New method for measuring equilibrium deuterium isotope effects. Isomerization of 3-deuterio-2,3-dimethylbutyl-2-ium ion, 25:39505
JAFFE, Morry Electrostatic confinement of an alkali-metal plasma, 25:56013
JAFFE, Norman Irradiation of the liver in children: acute effects enhanced by concomitant chemotherapeutic administration, 25:18999
JAFFE, R. L. Form factors for two-nucleon transfer reactions, 23:15512
JAFFE, Raphael J. Use of food and metabolic wastes for space radiation shielding, 21:37512

JAFFE, Robert Noncausal dispersion relations and a fundamental length, 25:7666
JAFFE, Robert B. Intrauterine fetal transfusion with television fluoroscopic control, 22:19450
Radioimmunoassayable serum LH and FSH in girls, 24:4544
Serum luteinizing hormone and progesterone concentration, 24:14386
JAFFE, Robert L. Effect of deformed states on β^- and E1 decays to the 0 and 6.06-MeV 0^+ states of ^{16}O, 23:5820
JAFFE, Sigmund Isotopic exchange reactions of atomic O produced by the photolysis of NO_2 at 3660 A, 21:8194
JAFFE-BRACHET, A. Protection of irradiated lambda phage by methylated proflavine, 25:42737
JAFFEE, A. A. Reactions produced in bombardment of ^{28}Si by ^{16}O, 24:49757
JAFFEE, C. L. Program for selecting first-line foremen, 22:20995 (ORNL-4231)
Supervisor selection program, ORGDP, 24:24946 (K-1789)
JAFFEE, Max Analysis of radiopharmaceuticals, 25:57350
JAFFEE, Oscar C. Congenital cardiovascular anomalies in chick embryos exposed to x-irradiation and hypothermia, 25:55333
JAFFEE, R. I. Conference on refractory metals and alloys IV, French Lick, Ind., 10/65. I, 23:48316
Conference on refractory metals and alloys IV, French Lick, Ind., 10/65. II, 23:48317
Strengthening effects of ThO_2 particles in dispersion-hardened Ni, 23:34105
JAFFEE, Robert I. Conference on dislocation dynamics, Seattle and Harrison, B.C., 5/67, 23:12365
Conference on molecular processes on solid surfaces, Kronberg, Ger., 5/68, 23:49006
Conference on phase stability in metals and alloys, Geneva and Villars, Switzerland, 3/66, 21:36876
Refractory metals and alloys III: applied aspects, 21:9102
JAFFEY, A. H. Prompt neutron fission yield in thermal neutron fission, 24:38283
Prompt-neutron fission yield (anti τp) in thermal-neutron fission of ^{233}U, ^{239}Pu, ^{241}Pu, ^{241}Am, /sup 242m/Am, ^{243}Cm, ^{245}Cm, and in spontaneous fission of ^{244}Cm, 24:40600 (ANL-7625)
Statistical considerations in half-life measurement. I, 24:29558
Statistical considerations in half-life measurement. II, 24:29565
Statistical considerations in half-life measurement. III, 24:44305
JAFFEY, Arthur H. Note on error estimation when a calibration curve is used, 24:2513 (ANL-7584)
Prompt-neutron spectra and delayed-neutron spectra from fission: some comments on current knowledge, 25:20362 (ANL-7747)
JAFFIOL, C. Thyroid uptake curves of radioiodine and labeled hormonal iodine during Werner's test, 24:21069
JAFFREZIC, H. Mechanism of nuclear reactions induced by high-energy α particles. I, 24:5427
Study of the fixation of iron on tin dioxide in nitric acid medium, 25:21137
JAFFRIN, A. Particle-hole excitations in ^{40}Ca, 23:1845
Positive parity deformed states in ^{56}Ni and ^{58}Ni, 24:45773
Quartet model applied to 4 particle—4 hole excitations, 24:43583
Six-quasiparticle 0^+ states in nickel and tin isotopes and in the N = 50 isotopes, 24:43296
JAFRI, R. H. Development of virus in larvae exposed to γ rays, 24:2772
Microbial and radiation control of harmful insects, 23:958
Susceptibility of irradiated insects to B. thuringiensis infection, 21:24632
JAFRI, Rafat Husain Synergistic action of radiation and of Bacillus thuringiensis toxin on protozoan diseases of insects, 21:26592
JAGACIAK, G. J. Effect of surface chemistry on the physical properties of pressure sintered beryllium metal, 24:14717
JAGACIAK, George J. Thin chromium layer raises properties of beryllium compact, 23:24922
JAGADEESAN, V. Fate of ^{60}Co 1-nitroso 2-naphthol chelate in albino rats after intravenous administration, 25:10958
JAGAM, P. Decay of ^{99}Mo, 22:32645
Decay of /sup 114m/In with a sum-peak-coincidence scintillation spectrometer, 24:47647
K-x ray and gamma-ray directional correlation in the decay of ^{186}Re, 25:50777
Transitions in ^{97}Nb from decay of ^{97}Zr, 25:48095
JAGAMOS, M. Radioprotective sulfanilamides, 21:6524
JAGANNATHAN, G. Construction of solvable potentials and some aspects of regularization of singular potentials, 22:18038
Levinson's theorem for energy-dependent potentials, 21:19082
JAGANNATHAN, R. Chemical effects of electron capture in ^{57}Co(III)(1,10-phenanthroline)$_3$(ClO$_4$)$_3$.2H$_2$O, 23:15921
Stereospecificity of recombination reactions in neutron irradiated cis-and trans-[Cr(ethylenediamine)$_2$Cl$_2$]Cl, 22:45127
JAGARE, S. Statistical reactions in fissioning nuclei, 22:1735
Statistical reactions in fissioning nuclei. II, 22:20615
JAGARLAMOODY, S. M. In vitro detection of cytotoxic cellular immunity against tumor-specific antigens by a radioisotopic technique, 25:42309
JAGATBESAN, D. Induced mutations in sugar cane, 25:11030
JAGATHESAN, D. Effect of uv and x-rays on the pollen grains of Saccharum and Erianthus, 25:39960
JAGER, E. Geological meaning of Rb—Sr age results as studied on samples from Central Alps, 22:6476
JAGER, E. H. Investigations on plasma instabilities, 25:47560 (AD-717751)
JAGER, Ernst H. Dissipative instabilities of an MHD sheet flow, 24:6549 (AD-693405)
Stability of Poiseuille flow, 25:47369 (AD-714616)
JAGER, W. Characteristics of zoned PuO_2—UO_2 fuel rods as recycle fuel in boiling-water reactors, 22:6016
JAGER, W. F. Attenuation of bremsstrahlung generated at constant medium potentials, 24:28651
Design and radiation characteristics of a probe for measurements of low-level gamma radiation and beta contamination, 23:31558 (AD-684230)
JAGGER, J. Ultraviolet microbeam study of Amoeba proteus, 24:9918
JAGGER, J. W. Quadrupole magnetic lens using permanent ceramic magnets, 21:31676
Simple ion beam scanner, 21:17248
Simplified passive element arc supply for the duoplasmatron ion source, 21:25379
JAGGER, James W. Fast Moessbauer data-collection system, 22:2397 (ORNL-IIC-10(Vol.1), pp 142-56)
JAGGER, John Division delay in E. coli by near uv, 21:39539
Growth decay induced in E. coli by far-ultraviolet radiation, 23:29907
Introduction to research in ultraviolet photobiology, 22:23672
Killing and photoreactivation of Streptomyces griseus Conidia by vacuum-ultraviolet and far-ultraviolet radiation (1500 to 2700 A), 21:45852
Mitotic effects of monochromatic ultraviolet irradiation of the nucleolus, 21:16333
Thymine-dimer and action-spectrum evidence for indirect photoreactivation in E. coli, 24:14416
JAGGI, R. K. Hydromagnetic waves generated at the bow shock, 25:19580
Intensification of magnetic field in plasmas, 21:18695
Redistribution of trapped protons by Starfish, 24:10428
JAGGI, Rahde K. Prog. rpt. on effects of STARFISH on geomagnetically trapped protons, final, 6/1/67—2/28/68, 23:44240 (AD-683341)
JAGIELAK, Jan Examination of spectrum of ^{32}P beta particle bremsstrahlung radiation, 23:51393
Spectrometric methods of measurement of the terrestial gamma background radiation and concentration of radionuclides in the soil, 25:21162
Static gamma background monitor for identification of contamination and dose-rate, 24:2443 (CLOR-76/D)
Static gamma background monitor for identification of contamination and dose-rate in the case of dispersal radionuclides to the atmosphere, 24:19218
JAGIELSKI, E. J. Ballmilling with gas collection in the radioactive materials laboratory, 21:41637 (KAPL-P-3368)
Latex-type materials as decontaminating agents, 21:39397 (KAPL-P-3366)
JAGNER, Daniel Potentiometric titration of fluoride with thorium or lanthanum nitrate, 23:4560
JAGODIC, V. Separation of lanthanum from barium by solvent extraction with the monoocytl ester of anilinobenzylphosphonic acid, 22:37847
Separation of radioactive yttrium from Sr, 23:21805
Solvent extraction and separation of Nb and Ta, 21:45215
Solvent extraction study of lanthanum and europium by acidic esters of aminophosphonic acids, 25:54732
Synthesis and physical properties of a novel aminophosphonic acid as an extracting agent for metals, 24:27209
JAGT, T. Lymph node scanning with radioactive Au, 25:26851
JAGUSZTYN, M. Cosmic ray background in silicon spectrometer, 21:3241 (CLOR-IBJ-54/D)
Qualitative and quantitative identification of beta ray emitters using silicon counters, 21:26197
JAHAN, Jacques Improvements in transfer locks, 24:44235
JAHKOLA, A. Nuclear power reactor site selection in Finland, 23:13528
JAHKOLA, M. Development of disease due to a cytomegalic virus in isogenic thymectomized radiochimeras, 22:8483
Effect of delayed isogenic restoration on the survival of x-irradiated mice, 21:22540
JAHN, A. Plasma protein synthesis following neutron irradiation, 22:6752
JAHN, G. Impulse plasma source of the inductive—hydrodynamic type, 23:46488
Magnetoplasmadynamic experiments in inductive-hydrodynamic shock wave tubes, 25:55920
JAHN, G. E. Total photoabsorption cross sections up to 18 GeV, 24:3503
Total photoabsorption cross sections on H and complex nuclei at energies up to 18 GeV, 24:52021
JAHN, Gunther Apparatus for measuring and evaluating the activity of measuring probes irradiated in a nuclear reactor, 25:55008
JAHN, H. Measurement of ^{41}Ar outbursts at nuclear reactors, 21:12262
Monitoring of emission of ^{41}Ar, 24:29046 (CONF-690540-, pp 113-18)
Monitoring of operations: radiation protection within the division for research reactors, 24:36745 (JUL-603-ST, pp 143-50)
Radiation protection experiments at construction of research reactor FRJ-1(MERLIN), 23:28556 (JUL-555-RE)
JAHN, Herbert Emission and absorption of cyclotron radiation in nonequilibrium plasma, 25:16692
Influence of spatial dispersion on emission of cyclotron radiation in nonequilibrium plasma, 25:59097
JAHN, P. Absolute v/c measurements with a β spectrometer, 21:3275
Approximate internal conversion coefficients for N, O, and P shell electrons, 23:11014
Energy and intensity measurements on conversion electrons from $^{75}\text{Se} \rightarrow {}^{75}\text{As}$ decay, 22:18196
High-resolution β-ray spectrometer, 24:33922
M-subshell internal conversion coefficients, 21:40447
Nuclear spectroscopic investigations of decay $^{191}\text{Hg} \rightarrow {}^{191}\text{Au}$, 24:38212 (JUL-659-KP)
Test of screening corrections for M-subshell internal conversion coefficients, 21:19257
JAHN, R. G. Cathode region of a quasi-steady magnetoplasmadynamic arcjet. VIII, 25:43353 (N-71-19984)
Cathode region of quasi-steady MPD arcjet, 25:40626
Current pattern stabilization in pulsed plasma accelerators, 23:3472
Ion density and current distributions in propagating current sheet, 24:3314
JAHN, Robert G. Acceleration of plasma by a propagating current sheet, 22:31843
Acceleration patterns in quasi-steady MPD arcs, 25:14281
Current pattern and gas flow stabilization in pulsed plasma accelerators, 24:30332
Electron beam from a magnetoplasmadynamic arc, 23:32404
Nuclear-electric power requirements for electric rockets, 22:7876
Physics of electric propulsion, 23:20952
Pressure distribution in the structure of a propagating current sheet, 24:26178
Prog. rpt. on pulsed electromagnetic gas accelerations, semiannual, 7/1—12/31/66, 21:44032 (N-67-25493)
Prog. rpt. on pulsed electromagnetic gas acceleration, semiannual, 1—6/68, 23:16788 (N-68-32550)
Prog. rpt. on pulsed electromagnetic gas acceleration, semiannual, 7—12/68, 23:30577 (N-69-20350)
Quasi-steady plasma acceleration, 24:32827
JAHN, Walter Radiation protection dry windows for hot cells, 21:19822
JAHNKE, U. Analog states in ^{93}Mo studied by the ^{93}Nb(p,n)^{93}Mo reaction, 21:1117
Energy levels of Zn, Ga, As, Se, and Br isotopes, 24:35847
Investigation of ^{65}Zn by (p,n) and (p,nγ) experiments, 25:3631
Isotopic effect of μ capture rates in ^{151}Eu—^{153}Eu, 24:52598
Level scheme of ^{93}Mo investigated by the neutron decay of isobaric analogue resonances, 22:27118
Neutron transmission coefficients, 24:24595
Spin assignment for two isobaric analog resonances in ^{76}Se from the neutron decay, 25:28241
JAHNS, A. Conductivity of hexane after action of γ radiation and its significance for dosimetry, 21:3092
Importance of safety criteria for nuclear power plants, 23:19446
Ionization and recombination in dielectric fluids after γ-irradiation, 23:13774
Safety measures for site-independent nuclear power stations, 24:11101 (IRS-T-16(1969), pp 55-66)
JAHNS, E. Assessment of accidental external exposure and internal contamination of workers and medical management, 24:7858
Clinical investigations with the scintillation camera and /sup 99m/Tc, 22:25941
In vivo γ-spectrometric investigation of Th body burdens in the Egyptian monazite area, 24:34339
Indication assessment and dosimetry in endolymphatic therapy using ^{131}I-Lipiodol, 23:24675 (AERE-Trans-1101)
Scintigraphy of inflammations using silver isotopes, 25:55286
JAHNS, Eberhard Line-source phantom for testing the performance of scintillation cameras, 22:38039
Position indications and dosimetry of endolymphatic therapy with ^{131}I-Lipiodol, 21:45716
JAHNS, M. F. Polarization in ^{12}C(p,p)^{12}C, 22:50536
Polarization in p—α scattering, 21:46664
Polarization of protons from ^{12}C(p,p)^{12}C on and near the 9.14-MeV anomaly, 21:21459
Use of commercially available ionization chambers for absorbed dose calibrations of high energy x-rays and electron beams, 25:51917
JAHNS, Monroe F. Liver scintigrams compared with alkaline phosphatase and BSP determinations in the detection of metastatic carcinoma, 25:37839
Personnel monitoring in a nuclear medicine laboratory, 25:46853
JAHNS, Monroe Frank Polarization of protons scattered elastically from ^{4}He, 21:19199
JAHNS, W. Incore thermionic reactor for energy supplies for space vehicles, 23:11317
JAHNSEN, T. Delayed neutron emission, 24:30874
Thermal neutron capture cross section and resonance capture integral of the lanthanide nuclei ^{140}Ce, ^{142}Ce, ^{146}Nd, ^{148}Nd, ^{150}Nd, and ^{159}Tb, 21:42641
JAHODA, F. C. CO_2-laser interferometer for the measurement of transient low-density plasmas, 23:10611
Coaxial snowplow discharge, 23:44395
Excitation coefficients for five transitions in nitrogen V, 24:45043
Fractional-fringe holographic plasma interferometry, 21:35150
Holographic plasma diagnostics, 22:52741 (LA-3968)
Measurement of β, n, and T/sub i/ in high- and low-pressure theta-pinch operation, 21:39995
Theta-pinch experiments with helical equilibrium fields in a 5-meter toroidal sector and in a 3-meter linear device, 25:38480 (CONF-710607-116)
JAHR, R. Deuteron induced reactions on ^{10}B, 21:44569 (ZFK-122, pp 216-21)
Deuteron spin flip in inelastic scattering, 24:26609
Excitation of 2^+ states in even nuclei by inelastic deuteron scattering, 21:1038
Inelastic spin-flip-scattering (Δm = +-1) of 11.8-MeV deuterons on ^{24}Mg, ^{26}Mg, ^{32}S, ^{58}Ni, and ^{60}Ni, 22:27011

  - Level structure of ^{53}Cr and ^{52}Cr with (d,d') and (d,t) reactions, 21:31748
  - New level in ^{24}Na at 1.51 MeV, 21:38281
  - Nuclear structure studies by deuteron-induced reactions on ^{36}Ar and ^{40}Ar, 23:21297 (ZFK-130, pp 119-20)
  - Quasifree knockout of deuterons in ^{6}Li(α,αd)^{4}He reaction at 23.6 MeV, 23:30949
  - Reactions (d,p) and (d,t) on ^{36}Ar and ^{40}Ar, 22:37322
  - Scattering and pick-up reactions with deuterons on Be, B, C, N, and O at 11.8 MeV, 21:40392
  - Sequential decay in reactions ^{14}N(α,αp)^{13}C and ^{14}N(α,αd)^{12}C at E/sub α/ = 22.9 MeV, 23:28256
  - Sequential decay in the reaction ^{14}N(α,αp)^{13}C(0) at E/sub α/ = 22.9 MeV, 21:25447
  - Signal-to-noise ratio from compact cyclotron in precision time-of-flight spectrometer. I, 24:45655 (PTB-2/70)
- JAIDANE, Salah Calculation of pole profiles for design of particle accelerator magnets, 22:46564 (CEA-R-3238(Rev.))
  - Pole profiles for design of particle accelerator magnets, 22:11747 (CEA-R-3238)
- JAIDAR, A. Distribution of absolute values of projected angles, 21:19316
  - Formation of peaks in nuclear reactions, 23:13333
- JAILLET, G. Magnetic field uses near deltaH/deltaa maximum and near HdeltaH/deltaa maximum, 22:21251
- JAIN, A. K. Analysis of ^{6}Li(p,pd)^{4}He reaction, 23:49335
  - Charge form factor for ^{6}Li nucleus, 25:50664
  - Distorted wave analysis of deuteron knock-out from ^{6}Li, 24:26592
  - Distortion and antisymmetrisation effects in ^{6}Li(p,pd)^{4}He reaction, 25:50659
  - Reaction ^{6}Li(p,pd)^{4}He, 23:19167
- JAIN, A. P. Anomalous temperature dependence of the hyperfine fields at Sn in Co, 22:1362
  - Moessbauer effect at ^{119}Sn in AuMn, AgMn, CuMn, and AuFe alloys, 22:1342
  - Systematic properties of neutron resonances in the rare earth region, 21:30012
- JAIN, A. R. Collision frequency of electrons in the F region, 23:34330
  - Collision frequency of electrons in the F region, 24:21654
  - Radio wave absorption in model ionospheric layers, 22:41459
- JAIN, Ashok Energy levels in the statistical atom with exchange and correlation, 21:31205
  - Periodic features of the statistical atom with exchange and correlation, 22:21855
  - Some applications of Csavinskys' solution of T—F equation, 24:23821
- JAIN, B. D. Pyridine-2-aldoxime and 6-methylpyridine-2-aldoxime as gravimetric reagents for estimation of Pd(II) and U(VI), 25:2072
  - Separation and determination of Zr using vanillin as analytical reagent, 21:4445
  - Spectrophotometric determination of Ru(III), 24:22588
  - Spectrophotometric determination of Ru(III) and Ir(IV) with 8-hydroxyquinoline N-oxide, 24:43942
  - Spectrophotometric studies of ruthenium(III) and rhodium(III)—oximidobenzotetronic acid complexes and simultaneous determination of two metals, 22:1978
  - Spectrophotometric studies of uranium(VI)—pongamol complex, 21:17576
  - Stability constants of some lanthanon complexes, 23:6122
- JAIN, B. K. Angular correlation analysis of the (π,nn) reaction, 25:50658
  - Formalism for the study of two hole states in nuclei with the (π^-,NN) reaction, 25:25794 (BARC-512)
  - Spectroscopic analysis of (p,2p) reaction on the nuclei ^{28}Si, ^{24}Mg, and ^{23}Na, 22:44647
  - Spectroscopic factors for (p,2p) reaction, 21:31712
  - Spectroscopic factors from (p,2p) reactions on light nuclei, 23:25824
  - Study of approximations used in calculations on (p,2p) reaction, 23:25976
  - Study of the (p,2p) reaction in energy region 160 MeV to 1 GeV, 22:42128
  - Two-nucleon stripping reaction, ^{40}Ca(^{3}He,p)^{42}Sc, 21:15514 (CONF-660221-, pp 110-13)
- JAIN, C. L. Electrostatic plasma instabilities in the equatorial electrojet, 25:58900
- JAIN, C. M. Studies of the polyanions and polycations by Glauber's-salt cryoscopy. II, 21:32187
- JAIN, D. C. Transition probabilities for the ionization of N_2, O_2, NO, and CO molecules, 22:35820
- JAIN, D. V. S. Studies of the polyanions and polycations by Glauber's-salt cryoscopy. II, 21:32187
- JAIN, G. C. Quantum efficiency of radiant-energy photons in semiconductors, 22:19838
- JAIN, H. C. Analysis of Pu by chemical and radiometric methods. II, 24:50353 (CONF-690916-(Vol.2), pp 252-6)
  - Beta decay experiments and parity of ^{192}Ir, 21:15551 (CONF-660221-, pp 184-8)
  - Beta—gamma correlation measurements on ^{192}Ir, 21:38362
  - Beta—gamma directional and circular polarization correlation in ^{228}Ac, 21:15552 (CONF-660221-, pp 189-91)
  - Extraction of ^{241}Am from concentrated aqueous chloride solutions by trilaurylamine hydrochloride, 23:35310
  - Fission of ^{226}Ra by reactor neutrons, 21:12038
  - Fission yields and recoil ranges determined by a Ge(Li) detector, 24:30803
  - Magnetic hyperfine field at the palladium nuclei in iron, 22:46262
  - Ranges of fission fragments in reactor neutron induced fission of ^{232}Th, 23:1892
  - Spin of ^{228}Ac from beta-decay experiments, 21:4285
- JAIN, H. K. Base specific chemicals and mutation analysis in Lycopersicon, 23:31689
  - Mutation rates and range with base specific chemicals, 24:41825
  - Mutation studies in annual chrysanthemum. I, 21:12815
  - Radiation-induced photo-insensitive mutants in cotton, 25:46788
- JAIN, J. P. Gamma dose rate on the axis of a spheroid source, 21:32675
- JAIN, K. C. Oscillations in natural-circulation boiling water loops, 21:12167
- JAIN, K. P. Note on the quantum-statistical Brillouin—Wigner perturbation theory, 21:13656
- JAIN, M. Reaction ^{40}Ca(p,2p)^{39}K at 45.0 MeV, 25:38938
  - Reactions ^{9}Be(p,pα)^{5}He and ^{12}C(p,pα)^{8}Be at 57 MeV, 24:45734
  - Study of ^{12}C(p,pα)^{8}Be reaction and excited states of ^{12}C, 23:30948
- JAIN, M. C. Acoustic-surface-wave energy-gap and mixed-state study of Pb films, 24:40021
  - Effect of strain and impurities on the ultrasonic attenuation in superconducting tin, 21:13483
  - Effective interaction and level structure of nuclei with free nucleon—nucleon interaction, 25:33974
  - Nuclear energy-gap calculations, 24:38329
  - Perpendicular field superconducting proximity effect in Cu/Pb/Cu sandwiches, 25:43315
  - Strength of pairing force and energy gap in finite nuclei, 24:15962
  - Ultrasonic attenuation in superconducting tin at various amplitudes of the ultrasonic pulse, 21:44000
  - Ultrasonic attenuation in superconducting Sn, 23:42205
- JAIN, M. K. Effect of wall conductivity on heat transfer, 23:25189
  - Heat transfer in MHD Couette flow as affected by wall electrical conductances and suction, 25:43198
  - High order stiffly stable methods for ordinary differential equations, 24:36108 (COO-1469-162)
  - Hydromagnetic laminar flow through conducting parallel porous walls, 21:37264
  - Line and area orthogonality of Jacobi polynomials, 24:22521 (COO-1469-150)
  - Optimal stiffly stable methods for ordinary differential equations, 24:36109 (COO-1469-164)
  - Orthogonality relations for Chebyshev polynomials, 24:18814 (COO-1469-154)
- JAIN, Mahavir Many-nucleon transfer reactions of protons with ^{12}C and ^{13}C at 45.0 MeV, 25:33998
  - Reaction ^{7}Li(α,2α)^{3}H, 24:43169
  - Reaction ^{7}Li(p,pα)^{3}H, 24:43170
  - Reaction ^{9}Be(p,pα)^{5}He at 57 MeV, 23:15366
  - Reactions (p,pα) and (α,2α) in ^{6}Li and ^{7}Li at 60 MeV, 25:14902
  - Reactions (p,pα) and (α,2α) on ^{6}Li and ^{7}Li, 24:49710
  - Search for excited states in ^{5}He, 25:45922
  - Test of cluster-knockout model using the reaction ^{6}Li(p,pα)d, 23:15369
- JAIN, N. C. Present status of neutron source standardization in India, 22:7617
- JAIN, P. L. Effective target mass in proton—nucleon and pion—nucleon inelastic interactions at 16 and 28 GeV/c, 23:32614
  - Fireballs in N—N interactions at cosmic-ray energies, 24:24234
  - Ionization loss at relativistic velocities, 22:11575
  - K^- meson elastic scattering from H, 24:3539
  - K^+p elastic scattering at 12.7 GeV/c, 24:51981
  - Low energy K^--p elastic interaction, 22:17875
  - Low-energy physics from a high-energy standpoint, 25:33521
  - Mechanism of particle production in nucleon—nucleon interactions at very high energies, 25:12230
  - Multiple Coulomb scattering of high-energy particles in nuclear emulsions, 22:46331
  - Muon—nucleon inelastic scattering, 24:20059
  - Muon—nucleon inelastic scattering at high momentum transfers, 23:46594
  - Production of fast deuterons and tritons in high-energy nuclear interactions, 22:34846
  - Proton and negative pion interactions with H, 23:36829
  - Scattering of high-energy muons on electrons, 24:28474
  - Scattering of high-energy positive and negative muons on electrons, 23:49028
  - Search for a Λp resonance, 24:12956
  - Secondary particle production in high-energy muon—nucleon interactions, 24:20058
  - Single scattering of 5 GeV/c muons in nuclear emulsion, 22:24516
- JAIN, R. K. Stability of hydromagnetic flow between porous parallel plates under transverse magnetic field, 23:32226
- JAIN, S. C. A new radiometric study of the separation and estimation of traces of yttrium, 22:30
  - Binding energy of helium with a velocity-dependent potential, 22:29895
  - Binding energy of the alpha particle with tensor forces and a velocity-dependent potential, 24:22069
  - Bulk viscosity of liquid D_2O, 22:30521
  - Charge distribution of ^{4}He, 22:48599
  - Charge form factor of ^{4}He with a tensor velocity-dependent potential, 25:5529
  - Charge form factor of ^{6}Li, 23:23641
  - Charge form factor of the alpha particle, 22:9774
  - Chemical and radiochemical separation of strontium and yttrium, 22:27553
  - Defects in Co doped x-irradiated NaCl crystals, 24:30381
  - Dielectric relaxation peak in x-irradiated NaCl crystals, 24:24125
  - Effect of velocity-dependent nuclear forces on (γ,p) disintegration of the alpha particle, 22:48449
  - Elastic photoproduction of neutral pions from helium, 22:50523
  - EPR and optical absorption studies of x-irradiated cobalt-doped sodium chloride crystals, 25:1285
  - Hall mobility in thin vanadium films, 24:6192
  - Integrated cross section of helium with a velocity-dependent potential, 21:15476 (CONF-660221-, pp 156-60)
  - Intensity of x radiation and late-stage coloration in pure KCl crystals, 23:46550
  - New model for trinucleons, 23:21243
  - Optical and thermoluminescence studies in x-irradiated KCl crystals, 24:42758
  - Photodisintegration of helium with velocity-dependent potentials, 22:9773
  - Photodisintegration of helium with velocity-dependent potentials, 22:32485
  - Photoproduction of positive pions from ^{3}He, 24:1741
  - Thermal conductivity of metals at high temperatures by the Jain and Krishnan method. V, 24:48826
  - Total capture rate of negative muons in ^{4}He, 22:18120
  - Two-particle photodisintegration of the alpha particle, 23:19144
- JAIN, S. K. Deactivation of excited H atoms by atmospheric gases, 24:26015
- JAIN, S. P. Use of trilauryl amine as an extracting agent for Pu(IV), 24:46297 (BARC-476)
- JAIN, V. C. Daytime ionospheric effect associated with x-ray flare from Sco XR-1, 25:1078
  - Observations of sudden cosmic noise absorption and x-ray flares, 21:2108
- JAIN, V. K. Neutron thermalization in lattices: program THERMNIL, 21:15463 (CONF-660221-, pp 291-5)
  - Personnel monitoring in India, 23:47864
  - Thermal flux distribution with temperature-discontinuity, 24:15767
- JAISWAL, A. K. Fermion operator ordering and the quantum c-number correspondence, 24:20016
- JAISWAL, V. K. Inelastic scattering cross section of neutrons in ferroelectrics, 24:1485
- JAKAB, E. Radioactive characteristics of leached chernozems from Romania, 22:30690 (IFA-IS-49)
- JAKAB, J. Development of heat in fuel elements by absorbed γ-radiation and fission with fast neutrons, 21:31949 (UJV-1724)
  - Heat exchange in reactor fuel, 22:16321 (UJV-1876)
  - Method of determination of CANDU type power station parameters and economic optimization, 24:43778 (UJV-2413-RT)
- JAKAB, L. Laplace transform wave function for H_2^+ ground state, 24:49004
- JAKAC, D. Induction, localization, and frequency of skin cancers, 23:29827
- JAKAS, R. Prog. rpt. on growth parameters in synthesizing B_4C filaments, final, 3/1/66, 21:4990 (N-66-28634)
- JAKEMAN, D. Equipment for time-of-flight spectrum measurements on fast reactor ZEBRA, 23:52030 (AEEW-M-896)
  - Measurements of k-infinity, reaction rates, and spectra in Zebra Pu lattices, 24:22453
  - Neutron spectra in subcritical graphite- and beryllia-moderated assemblies, 22:30326
  - Neutron-chopper time-of-flight spectrum measurements on undermoderated graphite and beryllium systems, 21:19960
- JAKEMAN, E. Steady current flow in superconductors of the second kind, 21:31378
- JAKES, D. Activated sintering of UO_2 and an attempt at its interpretation, 21:41647
  - Effects of preparation methods on the surface area and structure of ammonium polyuranate, 21:12386 (UJV-1332/65)
  - Heat capacity of some uranates, 21:34261
  - Heat capacity of some uranates, 22:4118
  - Mn, Co, Ni, Cu, Ag, and Hg uranates, 22:23020
  - Properties of the cermet UC—U, 22:4852 (UJV-1356)
  - Uranates of some metals and the oxidation of uranium dioxide. I, 21:5870
- JAKESHOVA, L. Sintering behavior of UO_2, 24:27838
- JAKESOVA, L. New refractory nuclear fuels. II, 24:10164
  - Sintering kinetics of uranium dioxide, 21:41648
- JAKEWAYS, R. Cosmic-ray electron intensity observations, 25:7199
  - Electron initiated cascades in lead in the energy range 0.5 to 4.0 GeV, 24:40230
  - Observations recorded by the cosmic-ray detector during the solar flare of Feb. 25, 1969, 25:27471
  - Radioactive isotopes from fallout in wastewater, 21:1462
- JAKI, G. Mass-spectrometric isotope analysis. II, 23:31285
- JAKIMIEC, J. Determination of the azimuthal electric currents in the surface layers of sunspots, 25:7056
- JAKIMIEC, Jerzy Physical structure of sunspots. III, 25:40278
  - Physics of sunspots. I, 24:10297
  - Physics of sunspots. II, 24:28011
  - Physics of sunspots. IV, 25:58584
- JAKIMOW, G. SU(4) polynomial bases, 23:49191
- JAKIMOW, George Polynomial bases for SU(4), 23:44684
- JAKIMOW, Yves Nonleptonic weak decays of hyperons, 25:47815
- JAKLEVIC, J. Measurement of magnetic moments of microsecond-isomers in ^{75}As and ^{204}Pb, 24:5401 (UCRL-18958)
- JAKLEVIC, J. M. Coincidence and directional correlation measurements on decay of ^{160}Tb employing a Ge(Li) detector, 21:31784
  - Detection of low energy x rays with Si(Li) detectors, 25:57816
  - Detector background and sensitivity of x-ray fluorescence spectrometers, 25:51856 (LBL-9)
  - Digital gate for a two parameter multichannel analyzer, 21:20007
  - Half-life measurements and transition probabilities in ^{172}Yb, 23:44941
  - In-beam gamma-ray spectroscopy of even Mo and Ru isotopes, 25:46050
  - In-beam gamma-ray spectroscopy of odd-neutron Mo and Ru isotopes, 25:46051
  - Levels in ^{92}Mo and ^{94}Ru, 23:37262
  - Low-lying 2$^-$ state in ^{236}U, 23:49429
  - Magnetic moments of isomers in ^{75}As and ^{204}Pb, 24:52542
  - NMR in an isomeric state following a nuclear reaction, 24:6853

Performance of a pulsed-light feedback preamplifier, 25:2462
Pulse-height compensation system for Ge(Li) timing, 23:17774
Small x-ray tubes for energy dispersive analysis using semiconductor spectrometers, 25:51934 (LBL-10)
Trace element analysis by x-ray fluorescence, 25:39413 (UCRL-20625)
JAKLEVIC, Joseph M. Rapid quantitative analysis by x-ray spectrometry, 25:51305 (LBL-204)
JAKLEVICK, J. F. Neutron radiography in fast reactor fuel development, 24:402
JAKLI, Gy. Isotopic effects on vapor pressure. III, 22:42665
Vapor pressures of some deuterated alcohols and amines, 22:10249
JAKLI, Gyoergy Isotopic effects on vapor pressure. II, 21:17643
JAKOB, Fredi Real-time computer prediction of end points in controlled-potential coulometry, 24:18876 (UCRL-72009)
Rotated mercury cell for controlled potential coulometry. Elimination of background current by digital normalization, 25:54427
JAKOB, H. P. Energy dependence of slope of πN diffraction amplitude, 25:53197
Magnitude of the sigma-commutator term in current algebra, 25:41017
JAKOB, H.-P. Behavior of πN partial wave amplitudes, 23:51937
JAKOB, Karl M. Effect of post-irradiation centrifugation on chromosome aberrations in Vicia faba, 24:4606
JAKOBEK, Tadeusz Zenon Removing lugs of fuel element cans, 24:53009
JAKOBSEN, R. J. Infrared spectra and normal coordinate calculation of crystalline formic acid, 22:8067
JAKOBSON, M. LAMPF low-energy pion line, 25:56589 (LA-DC-12730)
JAKOBSSON, P. Aa. Effect of irradiation in high doses on parotid glands, 25:42699
JAKOBSSON, Per Development of cellular resistance to irradiation, 22:40781
JAKOBSSON, Per A. Short-span ^{60}Co radiotherapy of lung carcinoma with simultaneous O inhalation and blocking of pulmonary artery, 21:18078
JAKOBSSON, S. Fission product genetics, 21:44663 (FOA-4-4316-28)
JAKOBUS, H. Glutamate oxalacetate transaminase in erythrocytes of tumor patients treated with radiation, 24:50759
JAKOVLEV, V. I. Influence of additions of transition metals on the sintering behaviour of tungsten, 25:55453
JAKOVLEV, Yu. V. Determination of Dy, Eu, Sm, and Gd in Y_2O_3 by activation analysis, 22:40032
JAKOVLJEVIC, M. Comparison of three methods of measuring soil moisture, 22:23349
JAKSCHIK, J. Absolute measurement of the bremsstrahlung spectra in thick anodes in the energy region at 500 keV, 21:24905
Backscattering of electrons on Al at 0.25 and 0.5 MeV, 24:29546
Electron channeling in x-ray K-radiation production, 23:44533
Voltage and current regulator for 1-MV Van de Graaff generator, 21:11881
JAKSIC, Branko Analyses of fuel discharge procedures, 24:20570
Water regime of nuclear power plants, 24:20566
JAKUB, M. T. Design criteria for PRTR fuel element rupture testing facility, 21:8040 (HW-63863)
Translating elevated temperature material properties into rules for structural design, 25:60115 (HEDL-SA-164)
JAKUB, Marlyn T. Core radial constraint theory and applications to the FTR, 24:11223 (BNWL-1170)
Fuel subassembly for a liquid-metal-cooled fast reactor, 24:26786
Fuel subassembly for a liquid-metal-cooled, fast breeder reactor, 25:34377
Structural design criteria for the FTR primary piping system, 24:11225 (BNWL-1236)
JAKUBIK, Alojz Hydro-electric generator as a source of rapid stand-by power for house consumption needs of atomic power plants, 24:26737
JAKUBINEK, H. Nuclear recoil reactions in organo-Mn compounds. V, 25:48565
JAKUBOVICS, J. P. Electron diffraction from periodic magnetic fields, 21:20758
JAKUBOWICZ, Antoni Certain type of Einstein's space—times, 25:36577
Properties of four and five dimensional Riemann and Einstein spaces, 23:37001
JAKUBOWSKA, D. Postirradiation kidney atrophy in a child with malignant lymphogranulomatosis, 22:23587
JAKUBOWSKA, Jadwiga Itaconic and itatartaric acid formation by uv- and gamma-irradiated isolates of A. terreus NRRL, 22:23499
Itaconic and itatartaric acid production by gamma isolates of A. terreus, 23:50449
JAKUBOWSKI, E. Arrhenius parameters for the abstraction reactions of methyl radicals with silanes, 23:40634
Reactions of trifluoromethyl radicals with monosilane and monosilane-d_4, 24:33680
JAKUBOWSKI, Lech Laboratory 50 kV electron gun, 23:23590
Laboratory electron gun: 50 kV, 22:44537 (INR-P-893/XVIII/PP)
JAKUBOWSKI, Marian Isotopic methods for determination of physical properties of soils, 22:48922
JAKUBOWSKI, Zygmunt Molybdenum recovery from waste etching solutions, 24:16665
JAKUSZEWSKI, Bogdan Formation heat of intermetallic compounds, 24:44722
JALAJA, N. C. Effect of uv and x-rays on the pollen grains of Saccharum and Erianthus, 25:39960
JALALI-MOSSALLAM, Ebrahim Design study of nuclear-powered agro-industrial complex in Iran, 25:6143
JALBERT, Jeffrey Scott Charge dependence of the nuclear forces and the A = 14 isobaric triplet, 22:29934
JALBERT, P. Chromosomes and radiations: study of 12 occupationally exposed subjects affected by radiodermititis, 23:16258 (ORNL-tr-1928)
Infant irradiated in utero, 24:14617
Study of 1000 caryotypes in non-irradiated subjects, 22:17019
JALBERT, R. A. Gamma insensitive air monitor for radioactive gases, 25:48937
JALICKEE, J. B. Derivation of Bell-Hirota representation of partition function for interacting bosons, 24:24190 (AD-699176)
Derivation of the Bell—Hirota representation of the partition function for interacting bosons, 25:38614
JALIL, A. End-window type self-quenching GM counters, 23:17780
JALLA, E. Two-prong proton-antiproton annihilation with formation of a pair of charged mesons, 21:2460
JALLADE, M. Development in France of fast reactors, 24:52910
Development in France of the core technology of sodium-cooled fast reactors, 24:52920
JALOBEANU, Mihail Numerical method for studying the optics of the electromagnetic isotope separators with axially symmetric magnetic field, 25:44523 (BMBW-FBK-70-28, pp 345-65)
JAMAKOSMANOVIC, A. Effects on peripheral nerves following whole-body irradiation, 25:21867
Influence of gamma irradiation on frog sciatic nerve, 23:33883
JAMARD, C. Plastic deformation and fracture of casted rolled beryllium under hydrostatic pressure lower than 15 kbar, 25:49446
JAMBA, D. M. Mass-separated ion source, 25:17656
Measurement of lattice damage caused by ion-implantation doping of semiconductors, 25:56287
JAMBA, Douglas M. Surface ionization source for ion implantation, 23:35570
JAMBOR, Cs. Approach to quantum mechanical four-body bound-state problem. II, 25:36364
JAMBUNATHAN, Ramanathan Sequential reactions from ^{6}Li on ^{9}Be, 22:44623
Study of some of the three final particle reactions induced by ^{6}Li on ^{9}Be, 22:15966
JAMDAR, S. C. Bone marrow myelopoiesis and circulating granulocyte changes in the rat after intravenous injection of ^{32}P, 22:6875
Ionic distribution studies in haemolymph from different parts of periplaneta americana by radioactive tracers, 23:9852
JAMEEL, M. Pole dominance in reaction ^{6}Li(^{16}O,d)^{20}Ne, 24:3871
JAMES, A. C. Alpha-particle incidence in small targets, 24:33953
Chelation of ^{239}Pu in bone, 25:46697
Electron microscope autoradiographic study of Pu localization in rat liver using ^{241}Pu label, 23:45642
JAMES, A. Everette Abnormal pulmonary perfusion associated with pulmonary emboli. I, 24:12155
Scintigraphic findings in pulmonary microembolism, 23:50662
JAMES, A. Everette Jr. Cerebrospinal fluid (CSF) scanning: cisternography, 24:50993
Evaluation of corrective surgery for pancreatitis by ^{75}Se selenomethionine pancreatic imaging, 25:49237
Experimental model to study pulmonary microembolism, 23:31840
Normal-pressure hydrocephalus. Role of cisternography in diagnosis, 25:11181
Patterns for differentiation of posterior fossa neoplasms as detected by brain scans, 25:26820
Radionuclide imaging in the detection and differential diagnosis of craniopharyngiomas, 24:48612
Scintigraphic patterns of large and small pulmonary emboli, 24:25525
JAMES, A. J. Deposition of Pu in rat bone, 25:46695
Electron-microscope-autoradiographic investigation of localization of ^{241}Pu in rat liver, 23:50326
JAMES, A. N. 385 MeV measurement of (p,2p) cross sections, 24:6867
Determination of neutron—neutron scattering length from reaction $\pi^- + d \to 2n + \gamma$, 22:50300
Energy levels in ^{34}S, 24:49827
Lifetime measurements of levels of ^{38}Ar, 25:34053
Lifetimes in ^{30}Si and ^{30}P, 24:43230
Lifetimes of levels in ^{23}Na below 5 MeV, 23:28290
Measurement of ^{12}C(p,2p) reaction at 385 MeV, 23:46914
Measurement of production cross section of ^{11}C from natural carbon for 385 MeV protons, 22:20463
Measurements of (p,2p) reactions at 385 MeV, 24:52438
Neutron—neutron scattering length from the reaction $\pi^- + d \to 2n + \gamma$, 22:44333
Reactions (p,2p) and single-particle levels, 24:43182
Two particle spectrometer for the (p,2p) reaction, 24:2481
Vibrational states in ^{34}S, 24:43231
JAMES, A. P. Beta-mercaptoethanol-induced recovery of x-irradiated yeast cells, 24:34762
Cell survival and x-ray-induced DNA degradation in Micrococcus radiodurans, 25:26627
Division probability and radiation induced cell death, 21:18156
Multiple-step recovery from heritable lethal sectoring in yeast, 24:4608
Persistence of x-ray-induced lethal sectoring in yeast, 22:40972
Radiation-induced genetic mosaicism and lethal sectoring in yeast, 21:20134
Radiation-induced lethal sectoring in yeast, 21:20450
Recovery from radiation damage in biological systems, 25:52175 (A/CONF.49/P-163)
Recovery from radiation-induced lethal sectoring in yeast, 23:8088
JAMES, A. T. Gas—liquid radiochromatography, 25:23529
Radioactive scanner for thin-layer chromatograms, 21:14447
JAMES, Allen P. Lethal sectoring in yeast, 23:20439 (BNL-50058, pp 77-97)
Multi-site damage and x-ray-induced lethality in yeast, 21:28695
JAMES, Arthur G. Management of oral cancer, 24:21247
JAMES, B. T. Installed tritium monitoring system in Dido and Pluto reactor halls, 22:19093 (AERE-M-1929)
JAMES, B. W. Chapman—Jouguet solution for normal ionizing shock waves in H, 23:42329
Characteristics of normal ionizing shock waves, 24:12804
Magnetohydrodynamic wave modes behind normal ionizing shock waves, 22:17686
Magnetohydrodynamic wave modes behind normal ionizing shock waves, 22:19970 (NP-17347)
Normal ionizing shock waves in mixtures of H, deuterium, and He, 25:17157
Percentage ionization in crossed field laboratory plasma sources, 21:18642 (NP-16631)
Percentage ionization in crossed-field laboratory plasma sources, 21:2216
Plasma heating from non-linear effects, 23:32325
Plasma heating from nonlinear effects of large amplitude Alfven waves, 23:16769 (NP-17781)
Propagation of hydromagnetic ionizing fronts with large driving currents, 21:37495 (NP-16892)
Superconductivity of molybdenum and tungsten carbides, 25:56087
JAMES, Bill G. 20 kW CW klystron amplifier at 18 GHz, 22:6702
JAMES, Brian Clifford Improvements in mono-rail conveyor systems, 24:22974
JAMES, Brian David Radiation resistant semiconductor device and method, 24:46559
JAMES, C. F. Jr. Electron diffraction study of the oxide formed on cemented tungsten carbide—titanium carbide cutting tools, 22:23899
JAMES, C. R. Debye and inverse third-power models for shielding of test charges, 24:17942
Difference frequency harmonic ion heating, 21:31391
Difference frequency harmonic ion heating using whistler modes, 24:32810
Microparticle plasma, 22:29503
Nonlinear interaction of electromagnetic waves in bounded plasmas, 23:12937
JAMES, D. B. Displacement ion-exchange separation of ternary rare earth mixtures with chelating eluants, 22:33543
Effect of temperature on HEDTA- and EDTA-elution positions of yttrium in rare-earth sequence, 22:10337
Elution requirements for the resolution of ternary rare-earth mixtures, 22:16664
Equilibrium anion exchange of U(VI) on Dowex 1X4 from nitric acid solutions, 21:8191 (LA-3540)
Ion-exchange separation of rare-earth mixture, 23:7590 (CONF-681020-(Vol.1), pp 397-412)
Kinetics of anion exchange of U(VI) on Dowex 1X4 from nitric acid solutions, 21:8397 (LA-3541)
Nondestructive assay of plutonium fuel plates, 25:32174 (CONF-700541-, pp 266-80)
Plutonium waste assay, 24:424
Processing of Pu by ion exchange. VI, 21:15990
Rare-earth separation by displacement development, 24:11684
JAMES, David Jr. Treatment of Ewing's sarcoma with concurrent radiotherapy and chemotherapy, 23:29673
JAMES, Dean B. Anion-exchange processing of plutonium, 21:12499 (LA-3499)
Nondestructive gamma assay of plutonium-contaminated solid waste in drums, 25:4293
JAMES, E. Contamination encountered in personnel operating a cyclotron, 23:24627
JAMES, F. Experimental investigation of $\Delta S/\Delta Q$ rule in leptonic K^0 decays, 23:10744
Monte Carlo phase space, 22:33185 (CERN-68-15)
Search for CP-violation in $K^0 \to \pi^+\pi^-\pi^0$ decays, 25:33795
JAMES, F. E. Correlation of π π-scattering angle and di-pion mass in the vicinity of the rho meson, 21:2380
JAMES, G. Ion beam slow pulsing injector system for 2MV Van de Graaff, 24:45618 (AWRE-O-29/70)
Measurements of anti τ/sub p/ for ^{239}Pu between 40 keV and 1.2 MeV, 24:49850 (AWRE-O-42/70)
Production of a nanosecond-pulsed He^{++} beam from a 5.5-MeV van de Graaff, 22:29815
JAMES, G. B. Superconductive composites: heat transfer and steady state stabilization, 23:42206
JAMES, G. D. Application of distribution-free statistics to the structural analysis of slow neutron cross section and resonance parameter data, 25:46134
Average fission cross sections and resonance integral contributions between 10 eV and 20 keV deduced from SCISRS data tapes, 23:30995 (AERE-M-2157)
Average fission cross sections and resonance integral contributions between 10 eV and 20 keV deduced from SCISRS data tapes, 23:49381 (AERE-M-2157(Rev.))
Computer processing of experimental nuclear data from the Harwell neutron project, 21:20006
Correlation analysis of slow-neutron induced fission cross section of ^{239}Pu, 23:11012
Cross-sections of the heavy nuclei in the resonance region, 25:15069
Evaluation of ^{239}Pu fission cross section in energy range 1 keV to 100 keV, 23:5864 (AERE-M-2065(AMEND.))
Fission components in ^{235}U resonances, 22:50634
Fission components in ^{241}Pu resonances, 23:9003
Fission cross section of ^{233}U from 4eV to 400eV, 21:1069 (AERE-M-1231)
Fission cross-section measurements, 21:35381 (ANL-7320, pp 16-21)
Multilevel analysis of ^{239}Pu fission cross section near 83 eV, 22:30012
Total and fission cross-sections of ^{239}Pu, 24:30785

Total cross section of ^{234}U and sub-threshold fission resonances, 24:10989
JAMES, G. V. Account of results of a radioactivity monitoring scheme in Monmouthshire, 22:40268
JAMES, George Effects of gamma irradiation with ^{60}Co on erythrocytes of rats, 22:12913
JAMES, Gerard W. Stratigraphic geochemistry of a Pennsylvanian black shale in Mid Continent and Illinois Basin, 25:21195
JAMES, H. E. Bufflex ADU feed material for moving-bed reactor process for production of UF$_4$, 21:24071 (PEL-121(Vol.1), pp 40-54)
Processing techniques for production of UF$_4$ by the dryway process, 21:24072 (PEL-121(Vol.1), pp 60-73)
Prog. rpt. on extraction metallurgy, 12/65, 21:24069 (PEL-121(Vol.1))
JAMES, H. G. Widths and shifts of Ar-II lines in a pulsed arc, 22:36901
JAMES, H. L. Oxygen isotope fractionation in metamorphosed Fe formations, 21:1450
JAMES, H. M. Effect of molybdenum and hardener content on gamma-prime solvus temperature in a Ni20Cr base heat-resistant alloy, 25:35460
Gamma—gamma prime mismatch and strengthening in Ni/Fe—Ni base alloys, 24:19436
JAMES, Harry Gordon Measurement of spectral line profiles in dense plasmas, 23:42262
JAMES, J. F. Motion of the interplanetary dust cloud, 24:42430
Use of a photomultiplier as a photon counter, 22:8418
JAMES, J. R. Binding energy of Λ-particle in nuclear matter, 23:13109
Lambda-nucleon interaction potentials, 24:20468
JAMES, J. T. Accurate dispersions for thirteen pulsars, 24:8274
JAMES, Jesse C. Radar studies of the Sun at 38 Mc, 21:3586
Reflecting and occulting of galactic radio energy by the sun at 38 megacycles, 21:6928
Short-duration, narrow-band solar bursts at 38 Mc, 21:39763
Some observed characteristics of solar radar echoes and their implications, 24:28029
JAMES, K. Effect of antilymphocytic IgG on spleen cells, 23:50378
Effects of allogenic lymphocytes on induction of tolerance in antilymphocyte globulin-treated x-irradiated rats, 24:44447
In vivo and in vitro effect of anti-lymphocytic IgG on sensitized spleen cells, 22:40535
JAMES, K. R. Magnetic moments of baryons in a quark model, 22:41779
Mass relations of baryons in a quark model, 23:3751
JAMES, Kenneth E. Statistical analysis of data from film badge performance tests, 23:2672
JAMES, L. A. Fracture behavior of flawed Zircaloy-2 pressure tubes, 25:16502
Transition joints between Zircaloy-2 and primary cooling system, 23:16472 (BNWL-746, pp 8.1-7)
JAMES, L. R. Development of ocean diffusion models, 22:37893 (SC-CR-68-3532)
Implications of substitution of strontium oxide for strontium titanate in terrestrial/marine radioisotopic power units, 24:25216 (USNRDL-TR-69-75)
NRX/EST nuclear rocket reactor transfer functions. II, 21:8023
NRX/EST reactor transfer functions. I, 21:8024
Transport of radioactivity in the ocean, 23:35352
JAMES, Lee A. Crack propagation behavior of Zircaloy-2, 23:24911
Environmetally aggravated fatigue cracking of Zircaloy-2, 24:44713
Estimate of the fatigue cracking behavior of the fast test reactor primary piping, 24:947 (BNWL-1035)
Fatigue-crack propagation behavior of Type 304 stainless steel at elevated temperatures, 25:24578
JAMES, Leslie R. Design of pseudo-random-noise experiments for NERVA tests, 21:8022
JAMES, Linda L. Slow proton transfers in aromatic nitration, 22:27717
JAMES, M. F. Contributions of negative energy and distant resonances in the resolved resonance region, 22:18108
Energy released in fission, 24:11012
Perturbation method for multigroup neutron transport calculations in plane lattices, 22:20930 (AEEW-R-219)
Recommended formulae and formats for a resonance parameter library, 23:23598 (AEEW-R-621)
Winfrith Nuclear Data Group notes on topics in nuclear data evaluation, 1964—8, 23:5746 (AEEW-M-790)
JAMES, M. K. Criterion for stability of interchanges in diffuse, radially constructed plasma, 24:40116
JAMES, M. R. Further comments on the nickel activated sintering of tungsten, 25:47109
Nickel activated sintering of tungsten, 25:16435
JAMES, Norman J. Red cell equilibration in liver tissue during experimental shock, 25:485
JAMES, Odette B. Shock and thermal metamorphism of basalt by nuclear explosion, Nevada Test Site, 24:9503
JAMES, P. B. Convergence of perturbation theory for static models, 24:45581
Coupling-constant analyticity in the charged-scalar static model, 25:14791
Dip cancellation by an interference phenomenon, 23:25635
Kinematic scaling in high-energy hadron—hadron collisions, 24:45534
Particle—nucleus interactions and Regge model, 22:1450 (AD-648017)
Particle-nucleus interactions and the Regge model, 21:42395
Quark decomposition of hadron scattering amplitudes, 21:15318
Quark decomposition of hadron scattering amplitudes, 21:23326 (AD-643088)
Regge-quark model of hadron scattering, 21:35295 (AD-651038)
Regge-quark model of hadron scattering, 21:37783
Residue zeros for a parity-degenerate N/sub α/ trajectory, 23:18914
Sum-rule constraints on baryon Regge trajectories, 22:46438
JAMES, P. E. Reduction of ^{85}Sr uptake in field crops, 23:22302
JAMES, P. F. Kinetics of precipitation in alloys of U—Al and U—Fe—Al, 23:12342
Morphology of precipitation in alloys of U—Al and U—Fe—Al, 23:12343
Structure of ion-implanted gold layers in single-crystal silicon, 23:36289
JAMES, P. R. Design and use of simple reactivity meters for fast reactors, 22:7820 (TRG-Report-1526)
JAMES, Paul E. Measuring egg shell strength by beta backscatter technique, 22:21296
Methods and equipment for irradiating insects, 25:16285 (CONF-701202-1)
JAMES, Paul M. Jr. Cyanoacrylate monomers in anastomosis of irradiated intestine preventing anastomotic leaks, 25:21782
JAMES, Philip B. Baryon exchange in Ξ production processes, 21:37832
Baryon exchange model for xion production processes, 21:18988 (AD-642374)
Integral equation formulation of one-dimensional quantum mechanics, 24:49296
JAMES, Philip Benjamin Peripheral model for Ξ^- associated production, 22:11685
JAMES, R. A. Angular momentum transport in stars, 25:38070
Nonlinear limiting of the Goldreich—Schubert instability, 24:25827
JAMES, R. H. Aerosol preparation, generation, and assessment, Project Hare, 24:25128 (SWRHL-75-r)
Determination of tritium in range 1μC to 1C by ionization current measurements, 22:14417 (AWRE-O-52/61)
Tritium counting by observation of x-rays, 22:12222 (AWRE-O-59/61)
JAMES, R. W. Recoil synthesis of high specific activity ^{11}C-cyanide, 25:54683
JAMES, Ralph A. Relative significance index of radionuclides for canal studies, 21:6496 (UCRL-50050-1)
JAMES, Ronald V. Medium effects on the exchange of chlorochromium(III) ion and chromium(II) ion, 24:29244
JAMES, Russell Metering of steam—water two-phase flow by sharp-edged orifices, 22:2280
JAMES, Stephen P. Secondary isotope effects as photochemical mechanistic criteria, 23:45255
JAMES, T. E. Axially-fed 100kG pulsed field coil, 22:10457
Design and construction of a high-beta toroidal experimental assembly, 25:30586 (EUR-4593, pp 425-30)
Design aspects of field system and power supply of pulsed toroidal fusion reactors, 25:25159
High current switching, 21:30573 (CLM-R-71)
High-current capacitor banks for a 2-MJ high beta toroidal experiment (HBTX), 25:30563 (EUR-4593, pp 219-25)
Pulsed fusion reactor based on the toroidal pinch, 25:25157
Study of toroidal axially symmetric magnetic field systems, 24:24073 (LA-4250, pp G8.1-4)
JAMES, Thomas C. Exact vibrational matrix elements for molecular hydrogen, 21:3698
JAMES, Thomas G. Effects of radiation on polyethylene, terephthalate capacitor-type meteoroid detector, 21:14519 (N-66-39985)
JAMES, V. H. T. Mathematical analysis of experiments with labeled hormones, 21:43339
JAMES, Valerie S. Effect of antilymphocytic IgG on spleen cells, 23:50378
JAMES, W. A. State-of-the-art survey of methods being used for the evaluation of coatings for super alloys and refractory metals, 21:13101 (AGARD-509)
JAMES, W. J. Anodic dissolution of polycrystalline Be, 23:22470
Electrochemical behavior of molybdenum in acid chloride solutions, 25:16513
Magnetic properties of Ho$_6$Fe$_{23}$ and HoFe$_2$, 25:5211
Magnetic structure of HoFe$_2$, 25:1310 (CONF-700403-(Vol.1), pp 34-40)
Neutron-diffraction study of the Ho—Fe system, 25:47654
Synthesis and identification of intermetallic compounds in Fe—Ho system, 22:23809 (CONF-670502-, pp 449-51)
JAMES, William J. Anodic disintegration of metals undergoing electrolysis in aqueous salt solutions, 21:12402
Lattice parameters, expansion coefficients, densities of In and In—Cd alloys, 25:49469
Prog. rpt. on ferroelectric properties of bismuth ferrate and related materials, 1/68, 22:15556 (COO-1368-8)
JAMESON, D. G. Computer system for interstitial and intracavitary dose calculations, 23:2848
JAMESON, R. A. Accelerator field measurements at high power, 25:50424
Automatic control of rf amplifier systems, 22:37226 (LA-DC-9445)
Dynamic measurement of stopband in LAMPF 805 MHz accelerator structures at high power using hybrid computer techniques, 25:20132 (LA-4593)
Fast rf control work at LASL, 21:7589 (LA-DC-8260)
Feedforward control of accelerator rf fields, 25:50423
Los Alamos Meson Physics Facility accelerator, 24:3814
Microwave instrumentation for accelerator rf systems, 23:28020
Temperature control for maintaining resonance of linac tanks, 22:37223 (LA-DC-9433)
Tuning and pre-beam checkout of 805 MHz side-coupled proton linac structures, 25:50427
JAMESON, R. T. Machining refractory metals, 21:9128
JAMESON, Robert A. Fast automatic phase and amplitude control of high-power rf systems, 21:17209 (LA-DC-8344)
Optimum generator characteristics of rf amplifiers for heavily beam-loaded accelerators, 21:19091 (LA-DC-8346)
JAMESON, Wayne R. Dental x-ray teaching and training replica, 23:9935 (MORP-68-8)
Results of 33,911 x-ray protection surveys of facilities with medical or dental diagnostic x-ray equipment, fiscal years 1961—1968, 25:13464
JAMES P. B. Peripheral model for Ξ^- associated productions, 21:15352
JAMET, Christian Intermetallic diffusion of plutonium in Pu—Cu and Pu—U systems, 25:19230 (CEA-R-3951)
JAMET, Francis Contribution to the study of electric discharge in vacuum, 21:30752
JAMET, M. F. DIFHYD: method for calculation of H diffusion in liner tube of Zr alloy, 23:24843 (EUR-4202)
Main codes developed within ORGEL project reactor design, 23:23857 (EUR-4211)
Theoretical study of diffusion of H in a Zr alloy liner tube, 23:24844 (EUR-4207)
JAMIESON, A. M. Perturbation corrections to the g tensor, 22:41703
JAMIESON, Crawford W. Enhancement of melanoma cell culture growth rate by ruby laser radiation, 23:22352
JAMIESON, Dana Effect of x-irradiation on balance between alkaline ribonuclease and alkaline ribonuclease inhibitor, 23:45657
JAMIESON, G. R. Band Recovery Apparatus: operating and maintenance manual, 22:1923 (K-L-6070-2)
JAMIESON, H. D. Environmental ionizing radiation in Dunedin, New Zealand, 21:24116
JAMIESON, J. C. Chemical homogeneity of groups of terrestrial planets, 24:15124
JAMIESON, John C. Shock-wave equation of state for high-density oxygen, 21:35794 (LA-DC-8408)
JAMIESON, John M. Cyclic activation in a reactor neutron beam, 24:7235
Cyclic activation technique for non-destructive fuel analysis, 25:51406 (CONF-710617-10)
JAMIESON, M. J. Program to calculate radial parts of interaction matrix elements between hydrogenic wave functions, 25:16838
Symmetrized impact-parameter treatment of electron-impact excitation, 24:51428
JAMIL, M. Acidic organodiphosphorus extractants, 25:48581
Acidic organodiphosphorus extractants. V, 25:57544
JAMINET, Jerome F. Simulated-fuel containment in rf-heated and unheated two-component vortexes, 25:23370 (N-71-10413)
JAMINI, M. A. Production of lithium drifted germanium detectors by ac drift, 21:32460
JAMISON, Andrew Irradiated food approval, 22:49677
JAMISON, J. F. Programmer's manual: UCARDS, 23:26130 (CTC-4)
UCARDS: Union Carbide automatic routing and design system for printed circuit boards, 22:14377 (K-1736)
User's manual: Union Carbide automatic routing and design system for printed circuit boards, 23:9280 (K-1736(Rev.))
JAMISON, Roy E. Extremes in environmental testing, 21:41175
JAMISON, V. W. Microbial hydrocarbon co-oxidation. III, 23:35950
JAMMER, Max Conceptual development of quantum mechanics, 21:7031
JAMMET, H. Cataract due to whole body irradiation, 25:21915
Changes in the urinary excretion of amino acids in a case of acute whole-body irradiation, 23:18120 (CEA-CONF-1174)
Comparative study on whole-body exposure injuries, 25:19012 (CEA-CONF-1695)
Dosimetry in accidental overexposure, 24:7857
Experimental effects of gamma irradiation of the anterior segment in rabbits, 21:28652
Information and data used in event of an accident, 23:50451 (CEA-CONF-1337)
Lung clearance: silicosis and anthracosis, 24:541 (CEA-CONF-1314)
Multi-slit collimator and a focused collimator for a 127-mm-diameter crystal, 23:33451
Organization of assistance and treatment facilities, 23:858
Physical and biological dosimetry in case of accidental overexposure, 23:50477 (CEA-CONF-1336)
Program of exploration of metabolism by whole-body spectrometry, 24:25355
Protection against ionizing radiations, 23:50553
Radiological accidents rules, 25:18975 (CEA-N-1365)
Radiological accidents: action to be taken in case of external irradiation or accidental radioactive contamination, 24:50870
Safe handling of radioisotopes, 25:46861
Spleen scintigraphy in Hodgkin's disease, 23:48139
Technical problems raised by clinical use of gamma spectrometry equipment for whole-body counting, 24:11773
Uranium toxicity with specific reference to its radiation hazards, 23:45770 (CEA-CONF-1315)
Useful information and data in event of an accident, 24:7853
Value of biochemical indicators, 25:42408
JAMMET, H. P. Clinical observations and treatment in case of accidental total irradiation, 23:14230
Medical care of workers subjected to ionizing radiation, 23:12180
Radioactive contamination of human population, 22:38304
Study of the La Hague marine site in relation to disposal of radioactive effluents, 21:16093
Technical problems posed by application of ICRP recommendations, 22:21511

JAMMET, Henri Marine ecology and nuclear energy, 24:34205
JAMNE, E. Description of the HBWR plant, 22:35463 (HPR-95)
  Experience with heavy water management in the Halden reactor during operation on its second fuel charge, 22:16150 (HPR-92)
  Halden boiling water reactor: plant performance and heavy-water management, 22:30222
  Operational experience with HBWR on second fuel charge, 22:20816 (HPR-94)
  Underground siting of nuclear plants in Norway, 25:54144 (A/CONF.49/P-290)
  Well reactor, 25:28793
JAMNIK, D. Absorption of gamma rays in fluorine and nitrogen, 23:10941 (NIJS-R-533)
  Absorption of gamma rays in silicon and calcium, 22:44654
  Computer studies of orbits in high energy microtrons, 21:38074
  Design of a 600-MeV superconducting microtron, 23:28182
  Experimental study of (^{3}He,dp tilde) reaction, 21:42628
  Measurement of photo-absorption cross sections with a magnetic Compton spectrometer, 24:4468
  Plans for a superconducting C. W. electron linac at the University of Illinois, 21:11868 (LA-3609, pp 494-6)
  Radial motion of electrons in a standing wave linac, 21:44490
  Reaction (^{3}He,d) followed by proton emission, 22:39629 (CONF-670970-, pp 229-42)
  Reactions (p,np tilde) on ^{91} ^{92} ^{94}Zr and ^{117} ^{119}Sn, 22:27211
  Tables of total absorption cross sections for photons of energy between 10 and 30 MeV in Be, C, N_2H_4, H_2O, HF, Si and Ca, 24:40556 (IJS-572)
  Total photonuclear cross sections for ^{12}C, ^{14}N, ^{16}O, and ^{19}F in region of giant resonance, 23:25840
JAMOND, C. Correction of matrix effect in ultraviolet spectrographic analysis, 25:10453
JAMPSIN, B. Plutonium-238 sources for cardiac pacemakers, 25:37816 (EUR-4612, pp 115-41)
  Use of ^{238}Pu radiation sources in cardiac pacemakers, 25:13178
JAMRA, Michel Polycythemia vera: therapeutic use of busulfan: comparison with radioactive phosphorus, 22:49432
JAMRACK, William Douglas Enrichment of uranium, 25:21134
JAMROG, Aloysius R. Apparatus for controlling the atmosphere over a nuclear reactor, 21:4397
JAMSEK-VILFAN, M. NMR study of ferroelectric transitions in diglycine nitrate and trissarcosine $CaCl_2$, 24:41251
JAMSHIDI, A. Identification of particle-hole multiplets in ^{48}Sc, 25:20350
JANA, M. K. Effects of x-ray and neutron irradiation on seeds of Phaseolus mungo L, 22:21630
  X-ray induced clustered-inflorescence mutant of Phaseolus mungo, 21:41381
JANA, Manas K. Effects of x ray and neutron irradiation on seeds of Phaseolus mungo L, 22:10889
JANAKY, Gyula Depth dose for radiotherapy, 25:16186
JANAUER, Gilbert E. Cation-exchange separation of uranium in dimethylsulphoxide medium, 25:54728
  Separation of the alkali group by thin-layer chromatography using a binary solvent mixture, 22:18887
JANAVICIUS, A. Interaction potential of α-particles obtained from scattering data at low energies, 21:20735
JANBERG, K. G. Complex reactor-coolant-loss model including sodium voiding, 25:41476
JANCA, J. Average fractional energy loss lambda due to collisions with N_2 molecules of electrons in high pressure discharge plasma, 21:37487
  Energetic conditions in plasma of unipolar high-frequency discharges, 23:6998
  Energy exchange in high-pressure discharge plasmas excited in diatomic gases, 22:39094
  Rotational and vibrational temperatures for plasma diagnostics, 24:21775
  Spectral diagnostics of high-frequency discharge in N and Ar, 21:42039
  Striation of the plasma of a single-pole high-frequency high-pressure discharge, 23:12809
JANCA, Jan Ionization and excitation in the torch discharge, 21:31464
JANCA, Josef Liquid metal sampling apparatus, 24:19267
JANCARIK, J. Dependence of anomalous conductivity of plasma on the turbulent spectrum, 24:51673
  Electron heating by beam—plasma interaction in uniform magnetic field, 23:12752
  Experiments on plasma heating by the dissipation of current driven turbulence, 25:38343 (CONF-710607-51)
  Formation of beams of charged particles with transverse energy, 23:42524
  Generation and heating of plasma by beam-plasma interaction, 23:32315
  Generation of beams of charged particles with transverse energy, 25:33061
  High-frequency breakdown in beam—plasma system, 23:42268
  Transit of beams of charged particles through a non-adiabatic magnetic field, 23:14790
JANCEL, J. Calculation of nonlinear effects in Lorentzian homogeneous and inhomogeneous plasmas, 23:25355
JANCEL, R. Electrodynamics of plasmas, 22:20018
  Foundations of classical and quantum statistical mechanics, 24:42854
JANCEL, Raymond Analysis of harmonics generated in a weakly ionized plasma, 25:33355
  Analysis of nonlinear effects of frequency combinations in a weakly ionized plasma, 25:40722
  Analysis of plane EM wave propagation in slightly ionized infinite plasma, 24:19927
  Calculation of anisotropies and harmonics of electron distribution function of an imperfect inhomogeneous Lorentzian plasma, 22:26417
  Calculation of electron distribution function of Lorentzian plasma subject to frequency modulated electric field, 23:51615
  Calculation of heating by electric field of Lorentz imperfectly homogeneous plasma, 21:46310
  Calculation of non-linear terms of diffusion and conductivity tensors of an inhomogeneous Lorentz plasma, 22:34670
  Electron distribution function of an isotropic and homogeneous Lorentzian plasma, 22:24287
  Nonlinear effects in a homogeneous Lorentz plasma, 21:3862
  Nonlinear electric conductivity of Lorentzian plasma, 23:51664
  Resolution of Boltzmann equation of imperfect inhomogeneous Lorentzian plasma, 22:19975
JANCEWICZ, B. Physical symmetries and the generalized Carruthers theorem, 24:49556
  Quantum Markovian process for particle with additional discrete degrees of freedom, 25:47702
JANCINA, J. Profile-counting of lesions of skeleton with ^{85}Sr, 22:38344
JANCOVICI, B. Behavior of electrons in a magnetic field of 10^{13} gauss, 25:22240
  Quantum mechanical equation of state of a hard-sphere gas at high temperature, 23:13602 (LPTHE-TH-68/25)
  Radiative correction to the ground-state energy of an electron in an intense magnetic field, 24:13007
JANCSO, G. Application of phenomenological quasi-two-body model to π^-p-interactions with strange particle production at p = 4 GeV/c, 25:30869 (JINR-P1-5706)
  Determination of precise isotopic vapor pressure differences from -20 to 110°C, 25:12995
  Gas-chromatographic deuteration of organic compounds, 22:42696
  Increase of total cross section of coherent processes on nuclei, 25:45768 (JINR-P1-5807)
  Isotopic effects on vapor pressure. III, 22:42665
  Thermodynamical description of momentum distributions of pions in π^-p interactions at p = 4 GeV/c, 25:43639 (JINR-P1-5849)
  Vapor pressure isotope effect of H_2S/D_2S, 25:26248
  Vapor pressures of some deuterated alcohols and amines, 22:10249
JANCSO, Gabor Isotopic effects on vapor pressure. II, 21:17643
JANCZEWSKI, Z. Effect of small doses of radioiodine on the motility of spermatozoa in vivo animal experiments, 25:24353
  Effect of small doses of radioiodine on the motility of spermatozoa in vivo, 25:52188
JANCZYSZYN, J. Activation analysis of chromium, silicon, nickel, tungsten in alloys by using neutron generator, 22:33269
  Automatic activation analysis system using a fast neutron generator, 21:1290
  Automatic activation analysis system (AAAS) with fast neutrons, 22:25319
  Calculation of fast neutron flux in vicinity of neutron generator target, 24:26579
  Determination of O in metallic Cu by neutron activation analysis, 25:20954
  Determination of water, salt, and S in crude oil by neutron activation analysis, 24:153
  Determination of water, salt, and sulfur in crude oil by neutron activation analysis, 23:31311
JANDA, L. Triaxial state of stress of concrete structures, 25:55659
JANDA, Robert J. Radioactive nuclei production from relatively abundant natural elements, 21:27465 (N-67-11359)
JANDACEK, R. J. Conformation of radioprotectant compounds. The crystal structures of 2-mercaptoethylamine hydrochloride and 3-mercaptopropylamine hydrochloride, 25:8268
  Structure-function studies of the aminothiol radioprotectants, 25:4548
JANDOS, Frantisek Structural stability of a welded joint of 12 percent Cr steels and of Cr—Mo—W—V-type steels, 22:15159
JANE, M. R. Decay of long-lived neutral kaons into two neutral pions, 23:14960
  Interference between K/sub L/^{0} and K/sub S/^{0} in $\pi^0\pi^0$ decay mode, 24:30465
  Measurement of phase and modulus of eta_{00}, 23:25666 (CERN-69-7, pp 309-27)
  Phase of eta_{00} and invariances CPT and T, 24:30548
JANEC, J. Scintigraphy and angiography in primary tumors of bones and joints, 24:48640
JANECEK, James Mercury-197 determination of blood-cerebrospinal fluid barrier, 21:24351
JANECKA, J. Electron spin resonance and relaxation studies of internal motion in $CH_2CO_2^-$ radicals trapped in γ-irradiated Na acetate crystals, 25:54652
  ESR spectra of methyl radicals in γ-irradiated crystals of sodium acetate $3D_2O$, 25:31997
  ESR studies of restricted random motion of NH_3^+ radicals in γ-irradiated ammonium perchlorate crystals, 25:34642
  Free radicals in γ-irradiated disodium succinate. I, 25:2229
JANECKE, J. Positive-parity levels in ^{34}S observed in reaction ^{37}Cl(d,^{5}He)^{34}S, 22:18165
JANES, A. F. Sky scan for discrete sources of γ rays, 23:20600
  Variability in the x-ray flux from M87, 25:33007
  X-ray spectrum of the Crab Nebula between 20 keV and 3 MeV, 24:51309
JANES, D. E. Effects of 2450 MHz microwaves on protein synthesis and on chromosomes in Chinese hamsters, 24:12053
JANES, Donald W. Production of purple pigment by a mutant of S. marcescens, 21:16540
JANES, G. S. Electron clouds in a toroidal apparatus, 24:8435
  HIPAC as a source of highly stripped heavy ions, 23:27944
  HIPAC as a source of highly stripped heavy ions, 25:28128 (WASH-1159, pp 88-112)
  HIPAC as source of highly stripped heavy ions, 23:27910 (NYO-3863-12)
  HIPAC ion source, 25:31138
  HIPAC source of highly stripped heavy ions, 24:45699
  New source of highly stripped heavy ions, 22:18065
  Research on electron rich plasma stability, 24:51602 (AD-706401)
JANES, K. Photometric selection of quasi-stellar objects, 23:14496
JANES, K. A. Strong-cyanogen stars: photometry and kinematics, 25:30085
JANES, S. Plasma radiation shielding, 21:23236 (N-66-19708)
  Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. I, 21:7044 (BMwF-FBK-66-28(Pt.1))
  Production of dense bodies from carbides, borides, nitrides, silicides, oxides, and cermets, 23:22643
JANETT, A. D(d Vector,p)T-reaction below 500 keV, 25:53547
  Reaction D(d,p)T with polarized deuterons below 500 keV, 24:28692
JANETZKI, U. Reaction ^{54}Fe(d,n)^{55}Co and level scheme of ^{55}Co, 25:5675
  Reactions (d,n) on even Ar isotopes, 24:52502
  Study of ^{15}O states by ^{14}N(d,n) reaction, 25:50644
  Target ground state correlations in the (d,n) reactions on even argon isotopes, 24:22108
JANEV, E. Humoral effects upon the formation of antibodies, 23:38496
JANEV, R. K. Adiabatic representation for electron—atom amplitude, 24:32642
  Atom—excited atom exchange interaction at large distances, 25:24925
  Behavior of low-velocity inelastic cross sections for atomic reactions, 24:23779
  Coupling of the direct and the exchange scattering in slow ion—atom collisions, 22:50052
  Electron detachment in H—H^- and O—O^- collisions, 25:24903
  Influence of short-range atomic forces on molecular term splitting in (A,A) system, 25:14018
  Mobility of doubly charged ions in their parent gases, 22:9085
  Model for inelastic scattering on a bound system, 25:1662
  Optical-potential approach to electron—atom scattering, 24:3178
  Phase equation for Jost function, 24:20013
  Resonant charge exchange of the negative ions in slow collisions with atoms, 24:1282
  Use of Green function method for scattering of a particle on a system of bound particles, 25:36589
JANEWAY, Richard Concentration of /sup 99m/Tc by the choroid plexus, 22:43387
  Multichannel analyzers in the analysis of the radioisotope cerebral angiogram, 25:32245
  Radioisotope arteriography as an adjunct to brain scan, 23:31842
  Selenomethionine ^{75}Se thymus scans in myasthenia gravis, 25:19049
  Spinal fluid appearance of /sup 99m/Tc pertechnetate, 23:50700
  Visualization of choroid plexus on /sup 99m/Tc brain scan, 21:34695
JANG, S. Attenuated magnetic transitions in self-conjugate nuclei, 22:13949
  Electromagnetic de-excitation of 11.89- and 12.28-MeV levels of ^{22}Ne, 22:26948
  Particle-hole excitation and impurity of isobaric spin, 21:10111
  Radiative capture of deuterons in the region of the giant resonance in ^{16}O, 21:29889
  Relationships among the Wigner 9j symbols, 22:35038
  T-forbidden electric dipole transition in ^{16}O, 21:9935
JANGG, G. Corrosion resistance of the transition metal silicides, 23:46103
  Investigations on cermets of ThO_2—Ni and ZrO_2—Mo, 25:2796
  New development directions in powder metallurgy, 21:13133
  Preparation of Nb and Ta, 23:46023
  Preparation of Nb and Ta by reduction of their pentachlorides using Zn, 24:33632
  Production of mixed-carbides by auxilliary-metal-bath, 22:23863
JANGG, Gerhard Production of silicides of transition metals by the auxiliary metal bath procedure, 22:38614
JANI, K. G. Changes in F2 layer near S/sub q/-current focus during geomagnetic storms, 24:15196
  Effects of magnetic storms on F2-layer of ionosphere near the boundary of equatorial zone, 21:33273
  Ionospheric effects of nuclear explosions. II, 22:34371
  Sporadic-E ionization and anomalous increase in the rate of radar meteor counts during 1963, 21:23093
JANICIJEVIC, P. Large changes of L_3 electron binding energy in ^{239}Pu, 21:42617
JANICKE, L. Calculation of pulsed two-dimensional magnetic field by assumed coil geometry, 22:44067 (JUL-513-PP)
  Toroidal high β experiments in compact axisymmetric configurations, 25:38381 (CONF-710607-114)
JANICKE, Lutz Procedure for numerical calculation of toroidal equilibrium configuration of symmetrically rotating, field-free plasmas, 25:25131 (JUL-700-PP)
JANICKI, Mieczyslaw Automation of the Moessbauer spectrometer, 21:8602

- JANICKIS, J. Electrochemical deposition of a cadmium alloy, 25:22044
- JANICZEK, J. Betatron 30 MeV, 23:25725 (INR-958)
  - Radiographical control of thickwalled welds and castings by using of betatron, 25:57678 (INR-1204)
- JANIGAN, David T. Experimental amyloidosis in isogeneic x-irradiated recipients of sensitized spleen tissue, 22:8439
  - Experimental murine amyloidosis in x-irradiated recipients of spleen homogenates or serum from sensitized donors, 22:16985
- JANIK, J. Molecular interaction effect in neutron scattering by gaseous methane, 24:10895 (INP-677)
- JANIK, J. A. Investigation of water molecules dynamics in crystallo-hydrates by inelastic neutron scattering, 22:38719 (INP-601/PS)
  - Molecular dynamics in gaseous and solid methane, 22:41287 (INP-608)
  - Molecular dynamics studies by neutron inelastic scattering and competing methods, 23:27691 (INP-600/PS)
  - Molecular interaction effect in neutron scattering by gaseous methane, 25:1704
  - Neutrons and molecules, 23:17058
  - Thermostat for neutron cross-section measurements within range 196 deg C to 200 deg C, 21:7631 (INP-497/PS)
- JANIK, J. M. Investigation of water molecules dynamics in crystallo-hydrates by inelastic neutron scattering, 22:38719 (INP-601/PS)
  - Molecular dynamics in gaseous and solid methane, 22:41287 (INP-608)
- JANIK, Jerzy A. Investigations of crystal lattice and quasi particles by neutronographic methods, 24:51844
  - Thermostat for neutron cross-section measurements within the range from —196 to 200°C, 21:33863
- JANIK, Josef Characteristic and comparison of the destructive factors of nuclear weapons of small and high power, 21:30565 (AD-637416)
- JANIK, R. Monochromatic method for measurement of mean proton energy in 665 MeV beam, 25:26505 (JINR-P13-5636)
- JANIKOVA, Alice Survival and capacity for T3 phage of x-irradiated long forms of E. coli B, 21:30933
- JANIKOVSZKY, B. Effect of ionizing radiation on preserved human blood, 21:41329
- JANIKOWSKI, Andrzej Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
- JANIN, G. Disruption of star clusters through passing interstellar clouds investigated by numerical experiments, 25:9050
  - Dynamical mixing of orbits in the spherical water-bag model, 24:23714
- JANIN, Guy Numerical experiments with one-dimensional gravitational system by Euler-type method, 25:27412
- JANIN, Joseph Excitation and emission spectra of the bismuth-activated oxides of scandium and yttrium, 23:3600
  - Phosphorescence decay of calcium oxide, 22:34766
- JANIN, R. Effect of local conditions on the choice of nuclear investments for an electricity producer, 24:16128
- JANIN, Robert Integration of nuclear power plants into the french system of electric power production and transmission, 23:4163 (AEC-tr-6986)
- JANIS, A. I. Approach to gravitational radiation scattering, 21:44230
  - Tail of a gravitational wave, 22:35123
- JANIS, Allen I. Einstein scalar solutions, 24:13168
  - Gravitational radiation, 24:20229
  - Reality of Schwarzschild singularity, 22:24735
  - Research in general relativity, 25:17575 (AD-713140)
  - Solutions of the gravitational field equations, 21:31122 (ARL-67-0053)
  - Static, axially symmetric point horizons, 23:14586
- JANIS, James R. Environmental problems and nuclear chemical engineering, 25:49123
- JANISCH, D. B. Monitoring of movements of irradiated fuel in an on-load refuelling reactor, 24:46058 (PG-Report-971)
- JANISCH, H. Renal function in isotope nephrogram during pregnancy and post partum, 25:44846
- JANISCH-RASKOVIC, W. Late results in carcinoma corporis uteri radiation therapy, 21:36642
- JANISZEWSKI, F. J. Two-center-expansion SCF calculations on acetylene and ethylene, 23:33167 (ANL-7446)
- JANJIC, T. Volumetric analysis and catalysis. II, 21:21892
- JANJUA, M. B. I. Corrosive action of selenium towards various materials in the temperature range 300 to 700°C, 25:2629
- JANKAY, L. Human bone and bone marrow homografting by adaptation method, 22:12869
- JANKE, D. Ionic conductivity of solid electrolytes of Y_2O_3-doped zirconium oxide and thorium oxide, 24:40187
- JANKIEWICZ, Z. Reactor in an aircraft, 22:32951
- JANKO, A. Lattice spacing determination for α and β phases of nickel—hydrogen and nickel—deuterium systems, 22:16492
- JANKO, Ambrus Hole-measuring devices, 23:19885
- JANKO, B. Reaction $^{10}B(n,\alpha)$ at 14.4-MeV, 24:10933
- JANKO, L. Detection of bone metastases by uptake of ^{85}Sr, 22:21541
  - Diagnosis of bone metastases in urological cancers, 23:26850
  - Examinations with ^{85}Sr in bone-tumors, 21:30839
  - Influence of γ radiation on electrical properties of triglycinsulphate, 21:17660
  - Investigations of so-called primary and secondary joint necrosis with bone-seeking radioactive isotopes, 22:33883
  - Isotope diagnosis in bone and joint diseases, 23:50682
  - Isotopic diagnosis of bone involvement in gynecological cancer patients, 23:50651
  - Possibilities and limitations of bone diagnosis with ^{85}Sr, 21:20296
- JANKO, Ladislav Diagnosis and control of skeletal metastases of mammary carcinoma using ^{85}Sr, 23:891
- JANKO, M. 5-hydroxy-1-aryl-4-pyridone-2-carboxylic acid esters as chelating and extracting agents. I, 24:5741
- JANKOVA, D. Chemical radioprotection of m RNA in a Nirenberg cell free system, 22:51800
- JANKOVEC, Petr Preliminary study regarding the fuel utilization in a heavy water reactor and the possibilities of obtaining high burn-up, 22:1830
- JANKOVIC, B. R. Radiation effects in pectins, 21:377
- JANKOVIC, Ljubisa Postirradiation fractures of femoral neck, 21:34702
- JANKOVIC, Olga Management of radioactive liquid waste at the Boris Kidric Institute for Nuclear Sciences, 25:21355
- JANKOVIC, Tihomir Random pulse generator with semiconductor detector of alpha radiation and integrated circuit, 22:38175
- JANKOVIC, Vera Fate of labeled liver deoxyribonucleic acid injected in irradiated and nonirradiated animals, 21:20068
- JANKOVICS, Rezso Prolongation of survival of skin homotransplants by radioactive isotopes, 23:20362
- JANKOVIC-STEJIN, V. Spontaneous and radiation induced chromosome aberrations in the bone marrow of rats in vivo, 23:12047 (AEC-tr-6646/4A, pp 115-19)
- JANKOVIC-ZAGORCIC, A. Ultrasonic radiodecontamination of skin after external contamination by ^{144}Ce, 21:1759
- JANKOWICZ, R. Destructive H target tests at the Princeton—Pennsylvania Accelerator, 22:29793
- JANKOWSKI, Bohdan Crosslinking of cis-polybutadiene by γ-r, 24:227
- JANKOWSKI, F. J. Secondary reasons for incorporating nuclear safety in nuclear engineering curricula, 22:12062
- JANKOWSKI, J. M. Quantization of generalized mechanics, 23:8706
- JANKOWSKI, Jerzy Occupational exposure to ionizing radiation, 23:26802
  - Results of measurements of individual doses in persons occupationally exposed to x-radiation in Poland in 1969, 25:21722
- JANKOWSKI, K. Application of truncated multipolar expansion pair functions in atomic structure calculations, 25:9249
  - Application of truncated multipolar expansion pair functions in atomic structure calculations. II, 25:19515
  - Perturbation treatment of the many-electron problem, 22:2793
  - Second-order perturbation calculations with correlated zero-order functions for two-electron atoms, 24:6382
- JANKOWSKI, Stanley Photolytic degradation of cellulose triacetate, 22:6296
- JANKOWSKI, Z. Steam generators for PWR nuclear plants, 23:31164
- JANKUS, V. Z. Analysis of mixed-oxide fuel element irradiation, 25:32847
  - BEMOD: code for lifetime of metallic fuel elements, 24:5527 (ANL-7586)
  - LIFE-I: a FORTRAN-IV computer code for the prediction of fast-reactor fuel-element behavior, 25:12794 (ANL-7736)
  - LIFE-I, history-dependent analysis of fast reactor fuel element behavior, 25:6032
  - Modeling studies of metallic fuel, 23:37530
  - Qualitative consideration of nuclear excursion initiated by a shock wave, 22:5972
- JANNARELLI, R. Radioactive isotopes in automatic industrial control, 24:36512
- JANNELLI, S. Elastic π^--p interaction at 650 MeV in the bubble chamber, 21:4000
  - Interactions π^--p at 650 MeV, 22:7446
  - Proton polarization in K^+p elastic scattering at 780 MeV/c, 21:33616
- JANNER, A. Electromagnetic compensating gauge transformations, 25:50169
  - Relativistic symmetry groups of uniform electromagnetic fields, 25:3432
- JANNER, Aloysio Space—time symmetry of transverse electromagnetic plane waves, 24:28457
- JANNER, K. In-core thermionic reactor, 23:43092
  - Incore thermionic reactor for energy supplies for space vehicles, 23:11317
  - Thermionic nuclear reactor installation for power range 5 to 50 kW(e), 21:30241
- JANNER, Karl Converter fuel element for nuclear reactors and method of producing the same, 22:39835
  - Device for measuring neutron current densities having a concave neutron reflector, 22:4449
  - Method of erecting the container of a nuclear reactor underground, 21:5717
  - Thermionic converter burner element, 22:41412
  - Thermionic converter for nuclear reactors, 21:2909
- JANNEY, C. D. Computerized calculation of dose distributions for radiotherapy, 23:29512
- JANNEY, Clinton D. Uptake studies in canine abdominal organs following ^{75}Se-selenomethionine administration by a variety of intravascular injection techniques, 25:13343
- JANNEY, D. H. Introduction to restoration and enhancement of radiographic images, 24:33583 (LA-4305)
- JANNI, Joseph F. Comparison of measured-to-calculated dose for Gemini space flights and WL-304 space probe, 21:37533
  - Energy loss, range, pathlength, straggling, multiple scattering, and inelastic collisions for protons, 21:9637 (AD-643837)
  - Radiation in spacecraft, 22:201 (AD-646555)
- JANNING, Wilfried Frequency of x-ray induced mitotic recombination in genotypes with different X-Y-combination-chromosomes in Drosophila melanogaster, 24:48524
  - Timing of heterochromatization in white-variegated Drosophila melanogaster by x-ray induced mitotic recombination in the eye anlage, 24:48523
- JANNINK, G. Coherent neutron scattering by polymer solutions, 24:20309
- JANNKE, C. C. Immunosuppressive effect of chronic ^{90}Sr administration to miniature swine, 25:10984
  - Stimulation of porcine splenic cultures by radiation-induced lymphoid leukemia filtrate, 23:16384
  - Strontium-90 induced neoplasms of swine, 25:495 (CONF-680529-, pp 453-65)
- JANNOT, M. Heat exchange by natural convection in porous media, 25:29264 (EUR-4531, pp 821-39)
- JANNSEN, S. Isolation of radiosensitive mutant of Saccharomyces, 22:38240
- JANNSEN, Sigrid Effects of x radiation on DNA synthesis, 23:7954
  - Inactivation of yeast cells by x-irradiated buffers, 22:28720
  - Rates of DNA synthesis in radiation-sensitive Saccharomyces mutant after uv or x-ray irradiation, 24:598
- JANNUSSIS, A. Neutron spectrum in the Democritos reactor, 24:4101
- JANNUSSIS, A. D. Dirac equation for rectilinear periodic motion of electron, 23:30682
  - One-dimensional N-body problem with delta-interaction, 24:20044
  - Schrauben functions in connection with magnetic operators, 23:30681
- JANOCKO, M. A. Characteristics of NbN Dayem bridges, 25:14201
  - Preparation and properties of superconducting thin films of β-W structure compounds, 24:23935
  - Preparation and superconducting properties of thin films of transition metal interstitial compounds, 23:33376
  - Sputtering techniques for controlling composition of thin films of high-T/sub c/ superconducting compounds, 25:25034
  - Very high critical current and field characteristics of niobium nitride thin films, 25:14193
- JANOOSH, I. M. After-effects of irradiation on nondisjunction of chromosomes, 22:31029
- JANOS, S. Slope change in temperature dependence of electrical resistivity of thulium near 22 K, 25:43487
- JANOS, W. A. Control-theoretic approach to the plasma confinement problem, 25:3057
  - Control-theoretic approach to the plasma confinement problem, 25:19655
- JANOSSY, A. First- and second-order quadrupole effects in dilute Cu—Pt alloy foils, 22:1309
- JANOSSY, G. Circulatory changes in the mucosa and muscular layer of the small intestine of rats after supralethal irradiation, 24:27697
- JANOSSY, Gy. Effect of corticoids on the survival of the animals irradiated with supralethal dose, 22:33842
  - Gastrointestinal irradiation syndrome, 23:33856
  - Intestinal blood flow in gastrointestinal irradiation syndrome in the rat, 23:31942
- JANOSSY, Gyoergy Changes in the circulation of the mucosa and muscle layers of the small intestine of the rat after supralethal radiation, 23:33862
  - Effects of corticoid on survival of (irradiated) animals, 22:45709
  - In-vitro investigations of the absorption capacity of the small intestine after super-lethal x-irradiation, 21:3441
- JANOSSY, L. Lorentz principle and general theory of relativity. III, 21:9343
  - Lorentz principle and general theory of relativity. IV, 21:31501
  - Lorentz principle and general theory of relativity. V, 22:1483
  - Lorentz principle and the general theory of relativity. VI, 24:18286
  - Physical significance of the vector potential, 25:38773
  - So-called paradoxes of the theory of relativity, 22:3525
- JANOSSY, Lajos General relativity theory and the non-euclidean geometry, 24:15671
- JANOT, Christian Study by Moessbauer effect of the Fe nitrides epsilon and zeta in vicinity of Fe_2N composition, 22:31975
  - Study by Moessbauer effect of the solid solution of iron in beryllium, 23:21010
- JANOT, M. F. Spectra of nickel isotopes, 21:25488
- JANOT, Pierre Control of fissile-material losses during Rapsodie fuel reprocessing, 24:22925 (CEA-R-3961)
  - Detection of local boiling in light water reactors, 25:20716 (CEA-R-4118)
  - Determination of fissile material by delayed neutron counting, 22:1946 (CEA-R-3272)
- JANOTKA, M. Iodine-131 conversion ratio and protein-bound I in atherosclerosis, 22:43267
  - Radioiodine conversion ratio and protein-bound I in atherosclerosis, 23:38446
- JANOUCH, F. Cancellation of internal bremsstrahlung for relativistic particles, 25:25461
  - Full experiment in weak semileptonic hyperon decays, 24:42921 (UJV-2432-F)
  - Full experiment in weak semileptonic hyperon decays, 25:14651
  - Internal bremsstrahlung and mechanism of direct nuclear reactions, 25:12694
  - Internal bremsstrahlung and the mechanism of direct nuclear reactions, 24:18449
  - Internal bremsstrahlung and the pole mechanism of direct nuclear reactions, 23:28351
  - Internal bremsstrahlung in pion-charge-exchange reaction and the reaction mechanism, 24:49373 (UJV-2439-F)
  - Internal bremsstrahlung in the pion-charge-exchange reaction and the reaction mechanism, 24:43483
  - Semileptonic decays of hyperons, 24:35637 (UJV-2400-F)
- JANOUCH, Frantisek Beta decay. I, 21:27635

Beta decay. II, 22:20710
Decay by beta particles, 22:1738
JANOUSEK, V. Effect of 19-nortestosterone phenylpropionate on erythropoiesis in normal and irradiated rats, 22:36368
Hydrocortisone on erythropoiesis in normal and irradiated rats, 21:16290
Influence of 19-nortestosterone phenylpropionate (superanabolon) on erythropoiesis of normal and irradiated rats, 21:16289
Influence of hydrocortisone on erythropoiesis of irradiated rats, 22:10810
JANOUSEK, Z. Changes in lung parenchyma following betatron x-ray therapy, 24:32125
JANOUT, Z. Double elastic proton scattering on polarized proton target, 23:18801
Double N—N scattering on polarized proton target, 24:28483
Elastic scattering of 600 MeV protons on LMN crystals, 22:37077
Nucleon—nucleon triple scattering parameters for recoil particles, 22:52993
Phase-shift analysis of nucleon—nucleon scattering, 23:21406
Phase-shift analysis of p—p and n—p elastic scattering at 735 MeV, 24:3702
Polarization correlation in the scattering of polarized nucleons, 22:11692
Problem of unambiguity of phase-shift analysis. II, 23:34617
Problem of unambiguity of phase-shift analysis. I, 23:34618
Simultaneous np and pp phase shift analysis at 18.2 and 9.9 MeV and question of additivity of Coulomb and nuclear phase shift, 22:11691
Simultaneous phase shift analysis of 210 MeV nucleon—nucleon scattering, 22:24681
Unambiguous phase-shift analysis of the nucleon—nucleon-scattering at 23.1 MeV, 21:2481
JANOVEC, Z. Influence of gamma-radiation on broad bean, 24:23396
JANOVSKA, E. Effect of visible light and uv light on phage, 21:13080
Inactivation and repair of polyvalent Staphylococcus phages, 24:2844
Inactivation and repair of polyvalent Staphylococcus phages after uv- or gamma-irradiation or acridine orange treatment. II, 24:42032
Radiosensitivity of some phages of S. marcescens and E. coli, 21:11146
Repair of damage induced by photodynamically active dyes, 25:24484
Survival of E. coli B under different post-irradiation conditions, 25:55357
JANOVSKA, Eva Nature of reparable and non-reparable lethal damage in E. coli, 25:11320
JANOVSKI, N. A. Leukemia of vulva (therapeutic and radiobiologic considerations), 22:47568
Massive uterine necrosis following irradiation for early cervical carcinoma in pregnancy: report of a case, 21:1803
JANOVSKY, I. Absorption spectra of intermediates formed during radiolysis and photolysis, 22:40112
Mechanism of the hydrogen formation in the radiolysis of low temperature methanolic glasses, 21:21973 (UJV-1739)
Radiation-induced oxidation of liquid methanol, 21:30478
Radiolysis of alcohols at low temperatures. II, 24:29345
Ultraviolet and visible spectra of electrons, unstable radicals, and ions, 21:15919 (UJV-1625)
JANOVSKY, I. V. Evidence for the production of an oxidizing radical on pulse radiolysis of methanol, 23:19794
JANOVSKY, Igor Radiolysis of alcohols at low temperatures. I, 23:19805
JANOWER, Murray L. Late manifestations of Thorotrast administration in cerebral arteriography, 23:5049
Neoplasms after childhood irradiation of the thymus gland, 25:16372
Preliminary report from Boston on the follow-up of patients with thorium dioxide deposits, 23:26937
Study of patients who received thorium dioxide, 21:28611
JANOWSKA, B. Cross section of electron-positron pair production by γ-quanta with energy from 35 to 2000 MeV in liquid xenon, 25:17255 (JINR-P1-5482)
JANOWSKA, Ewa Surgical removal of altered appendices in patients with carcinoma of the cervix uteri before irradiation, 22:31190
JANOWSKI, K. R. Elastic behavior of arc-cast zirconium carbide—graphite alloys, 23:48531
Elastic properties of isotropic graphite, 22:28933
Microstructure of zirconium-based ternary carbide alloys, 23:41743
Stress-strain behavior of rapidly heated wrought tungsten, 23:12297 (CONF-681031-1)
JANSA, B. Surge and water hammer problems in the cooling water system of large thermal power plants, 25:57036
JANSA, P. Changes in reactivity of children after irradiation of nasopharynx, 25:44955
Cytology of blood and inflammatory exsudate following x irradiation, 24:48715
JANSEN, A. Calculation of large fast reactors, 22:9997 (EURFNR-416)
Calculation of large fast reactors, 22:18508
Long-time behavior of fast power reactors with Pu-recycling, 22:5922 (EURFNR-399)
Long-time behavior of fast power reactors with Pu-recycling, 22:35552
JANSEN, C. R. Lymphoid cell lines in the thoracic duct of the calf with different generation times, 21:6610 (BNL-10657)
Studies on lymphocytes. VIII, 22:23619
Studies on lymphocytes. XVII, 25:21610

Whole-body counter and its application to medicine, 22:47576
JANSEN, Carl Activation analysis of serum vitamin B_{12}, 23:2754
JANSEN, D. H. Design and operation of turbine nozzle and blade screening tests in potassium vapor, 22:4738
Effects of liquid and vapor cesium on structural materials, 21:30960 (ORNL-TM-1813)
Examination of nickel heat pipes containing potassium, 25:8395 (ORNL-TM-3077)
Niobium—1 percent zirconium boiling-potassium forced-circulation loop test, 23:6641 (ORNL-4301)
JANSEN, F. Heat transfer in AGR fuel element, 23:26445
JANSEN, G. Diagrams for direct calculation of nuclear reactor limit cycles, 23:43167
Fast reactor fuel interaction with a concrete floor after a hypothetical core meltdown, 24:46069 (BNWL-CC-2369)
Fast reactor fuel interactions with concrete after a hypothetical core meltdown, 24:33397
Heat transfer in underground tank storage of radioactive wastes, 21:10587 (CONF-660208-, pp 760-86)
New isomeric state in N = 81 nuclei: /sup 145m/Gd, 23:23734
The salt cycle process, 24:22746
JANSEN, G. J. O. Spontaneous mitotic recombination in mutants of A. nidulans, 24:50861
Survival of B and C mutants of A. nidulans after uv-irradiation, 24:51105
Uv-radiosensitive mutants of Aspergillus nidulans, 25:21667
JANSEN, G. Jr. Demonstration of Salt Cycle process in high-level radiochemical facility, 21:14283 (BNWL-355)
Engineering development of the salt cycle process, 21:17699 (BNWL-354)
Hanford Salt Cycle process. II, 21:10413 (HW-SA-3527)
Heat transfer from solidified wastes in underground storage tanks, 21:3206 (BNWL-262)
JANSEN, G. Thomas Sunlight and skin, 21:34753
Sunlight and skin. II, 21:36742
Sunlight and skin. III, 21:26579
JANSEN, George Jr. Electrolytic deposition of actinide oxides, 21:25964
JANSEN, H. Therapy of skin tumors by fast electrons, 21:24524
Treatment of skin tumors with electron irradiation, 22:51686
JANSEN, H. G. Measurement of decay periods of the luminescence during the excitation by electrons, 21:35224 (ANL-Trans-496)
JANSEN, J. Contribution to the study of the harmfulness of defects in finned tubes, 25:6499
Determination of the tritium contamination of column-filling material, 21:38903
JANSEN, J. A. High precision electron current monitoring system, 23:44779
JANSEN, J. C. Methods of tamper-proof identification for use in safeguarding the flow of fissionable materials by the containment technique, 25:21327
JANSEN, J. F. W. Contribution to problem of discrepancy in experimental Q values of capture decay of ^{204}Tl, 21:19253
Energy of gamma rays from ^{7}Be, ^{40}K, and ^{113}Sn, and decay of ^{113}Sn, 25:3694
Isomer with spin $^{1}/_{2}$ in ^{196}Au, 21:10044
Levels in ^{196}Pt from the decay of 6.2-day ^{196}Au, 21:12051
Radioactive decay of 52-sec /sup 196g/Ir and 1.40-hr /196m/Ir, 22:42084
JANSEN, J.-C. Examination of fuel element can closures by the multiple-exposure automatic radiographic method, 25:6510
JANSEN, Jean-Charles Shutter for radiography, 24:46451
JANSEN, Johannes Franciscus Wilhelmus E2 transitions and level structure of ^{196}Pt, 23:37277
JANSEN, Laurens Schroedinger perturbation formalism for exchange interactions between atoms or molecules, 21:43817
Theory of finite groups: applications in physics, 22:46302
JANSEN, P. Air pollution of fossil and nuclear power plants, 24:45908 (CONF-700810-20)
BAKO: code for computing costs and strategies of breeder power stations using cash value method, 22:32764 (EURFNR-459)
"BAKO": program for cost- and strategy-calculations for nuclear power breeders by bare value method, 22:16154 (KFK-644)
Economic aspects of nuclear energy production with different thermal and fast reactors and the required separative work capability, 22:3832 (KFK-566)
Economic consideration on introducing nuclear energy, 24:28918
Economic considerations on the development of fast breeder reactors, 22:37461
Fuel costs and fuel requirements for a 1000 MWe Na-cooled fast breeder, 21:30185
Fuel cycle costing for fast breeders, 24:11132
Fuel cycle economics of fast breeders with plutonium, 21:27686 (KFK-567)
Game theory applied to plutonium cost, 25:20753
Investigation of the technical and economical situation of a steam cooled fast breeder reactor, 23:26019 (KFK-918)
Methods of judging nuclear reactor development especially the fast breeder, 24:28988 (KFK-1066)
Prospects of plutonium fueled fast breeders, 21:30152 (KFK-569)
Supplementary material to "nuclear fuel requirements and costs of various reactor types in Germany", 21:15657 (KFK-466)
Variation of several important parameters for sodium-cooled 1000-MW fast breeder, 22:10005 (KFK-568)

Variations in certain major reactor parameters of sodium-cooled 1000 MWe fast breeder, for investigation into fuel costs and needs, 22:16166 (EURFNR-384)
JANSEN, P. J. Importance of fast breeder reactors, 23:15651
Methods for assessment of nuclear power station development, 25:46237
JANSEO, G. Vapor pressure of $H_2{}^{18}O$ ice (I) (-17°C to 0°C) and $H_2{}^{18}O$ water (0°C to 16°C), 24:20772
JANSING, W. Tests of a tube-in-tube sodium-heated steam generator, 23:45437 (ANL-7520(Pt.1), pp 335-44)
JANSON, Yu. M. Critical assembly at Inst. of Physics, Academy of Sciences, Latvian SSR, 23:15684
JANSONS, Regina A. Allometry of body weight and tail length after head x-irradiation in rats, 25:35225
Effect of x-irradiation of selected areas of the head of the newborn rat on growth, 25:6800
Growth in rats following x irradiation of the head, 22:6910
Pituitary content of somatotropin, gonadotropin, and thyrotropin in rats with stunted linear growth following head x-irradiation, 22:40539
JANSSEN, A. J. X—Y dependent thermal neutron spectra in water near probe tubes and other small rectangular geometries, 22:29880
JANSSEN, D. Collective motion with angular projection, 24:43500
Description of collective motion with the projection method, 25:34189
Intraband BE2-ratios by angular projected K = 0 states, 25:34185
Projection description of rotational and quasirotational bands in even—even nuclei, 25:31438
Rotational motion and non-adiabaticity in the ground state, 23:19383
Vibrational nuclear spectra and angular momentum projection, 25:25779
JANSSEN, E. Calibration of two instrumented reactor fuel assemblies, 21:40696 (GEAP-3896)
Design basis for critical heat flux condition in boiling water reactors, 21:17436 (APED-5286)
Nine-rod critical heat flux investigation, steam-water at 600 to 1400 psia, 22:53275 (GEAP-5616)
Sixteen-rod heat flux investigation, steam—water, 24:19148
Two-phase flow and heat transfer in multirod geometries, 23:33323 (GEAP-5739)
Two-phase flow and heat transfer in multirod geometries. Final report, 25:54870 (GEAP-10347)
Two-phase flow structure in a nine-rod channel, steam—water at 1000 psia, 22:2293 (GEAP-5480)
JANSSEN, Earl Two-phase pressure loss across abrupt contractions and expansions, steam—water at 600 to 1400 psia, 21:43179
JANSSEN, H. K. Generalized fluctuation—dissipation theorem, 21:13392
Multiple dispersion relation for short-range potential, which is not allowed to overlap the Yukawa-potential, 21:19066
JANSSEN, M. J. Carbon scrambling in thiophene under electron impact, 24:33672
JANSSEN, Onno Luminescence phenomena in gamma-irradiated pure alkanes at 77 deg K, 21:8361
JANSSEN, P. Anion formation in organic esters γ-irradiated, 23:33240
Radical-ion formation of azaaromatic compounds by γ-irradiation at low temperature, 25:37428
JANSSEN, T. Electromagnetic compensating gauge transformations, 25:50169
JANSSEN, U. Nuclear power plant emissions, 25:52050
JANSSEN, U. A. Van de Graaff measurements with proton-recoil counter and rem-counter measurements at research reactor Geesthacht, 21:43289
JANSSEN, Udo Radiation hazards in nuclear power plants, 22:8536
JANSSENS, T. J. Description of mass motions and brightenings in a class 2b flare, August 8, 1968, 24:23677
Example of radio and optical homologous flares, 24:23676
Long term observations of the Hα chromospheric network, 24:23671
Microwave pulse trains observed before and during a solar flare, 24:4946
JANSSON, B. Gas chromatographic identification of irradiated foods, 21:45860
JANSSON, Bert Isotopic effect on the melting point of lithium nitrate, 24:38847
JANSSON, Erik Olov Spacer for fuel assemblies, 22:37572
JANSSON, G. Genetical and physiological causes of the variation of radiosensitivity in barley and maize, 21:3398
JANSSON, L. Experiences on the release of iodine from uranium dioxide fuel, 25:31607
JANSSON, Per-Aake Mass spectral data processing. II, 25:18835
JANSSON, R. Beam energy spread of pulsed Van de Graaff accelerator, 22:18060
Fast time-of-flight spectrometer, 21:22127 (FOA-4-4288-21)
Fast time-of-flight spectrometer, 21:26189
Neutron induced γ activity in Mn-containing steel and the reduction of the γ radiation by B shielding, 22:1286 (FOA-4-4320-23)
JANSSON, Robert Mauritz Method and apparatus for drying particulate matter, 22:47147
JANSSON, S. Oxidation resistance of some stainless steels and nickel-based alloys in high-temperature water and steam, 23:24795
JANSSON, S. A. Prog. rpt. on hydrogen reactions with alloys of Zr and the metals V, Cr, Fe, Co, Ni, Cu, Mo, Nb, and Sn, final, 6/1/63—6/1/67, 23:29968 (WERL-3203-10)
JANSSON, Sven A. Equilibria between H_2 and Zr_4Sn, 23:35075
Oxidation-reduction reactions for chromium and 304 stainless steel in liquid sodium, 25:2710

Thermochemistry and solution chemistry in the sodium—oxygen—hydrogen system, 25:2205
Thermochemistry of liquid metal—gas crucible reactions in vacuum, 25:37925
Vaporization chemistry in the oxidation of carbon, silicon, chromium, molybdenum, and niobium, 25:16410
JANTA, J. X-ray topographic observation of radiation damage in TGS single crystals, 24:45336
JANTORNI, Primo Leukemogeneis with ionizing radiations in neonatal mice, 21:28644
JANTOSOVIC, J. X-ray diagnostics of intestinal helminthiases of poultry, 23:29614
JANTSCH, K. Triton reactions with ^{30}Si. II, 21:19207
Triton reactions with ^{30}Si. III, 21:27547
JANUSZAJTIS, Andrzej Applicability of the theory of initial recombination to liquid filled ionization chambers, 25:26472
Efficiency of a liquid ionization chamber as a function of the ionizing radiation quantum energy, 21:45426
JANUSZKIEWICZ, Stanislaw Role of subtraction in angiography, 24:46626 (TT-69-50002/4, pp 443-6)
JANVIER, Jean-Claude Irradiation of UO$_2$ in strong cans, 22:26092 (CEA-R-3358)
JANVIER, L. Molded appliances in radium therapy, 22:45634
JANYSZEK, H. One-particle operators for Dirac particle, 23:30683
Single-particle interpretation of Dirac equation, 23:18824
JANZ, G. J. Molten salts. I, 24:22620 (NSRDS-NBS-15)
Molten salts. II, 24:22621 (NSRDS-NBS-28)
JANZEN, Edward G. Reaction of nitric oxide with triphenylmethylperoxy radical, 21:40907
JANZEN, G. Determination of plasma electron density profiles, 24:8443
Instability of the positive column of finite length in a magnetic field, 24:51701
Positive column in a magnetic field and transition of normal to anomalous diffusion, 24:26172
JANZER, V. J. Radiochemical analyses of water samples collected on Amchitka Island, Alaska, 25:51618 (USGS-474-123)
JAO, L. K. General acid catalysis of acetal hydrolysis, 22:37751
JAOUEN, J. Electron optics of sagittaire, 25:28142
JAPKA, Joseph E. Brazing tungsten for high-temperature nuclear service in hydrogen, 21:26765 (NASA-TN-D-3944)
JAPY, Cl. Irradiation related to angiographic examination in adults, 24:9829
JAQUE, F. Anion-vacancy processes after F-light bleaching or irradiation of NaCl, 25:9559
Anomalous F-colouring behaviour of irradiated alkali halides, 24:42763
Effects of prior electrolysis on F-center growth in irradiated NaCl, 25:59164
First-stage F coloring in KCl, 23:25447
Role of interstitial aggregation on F-coloring curve of alkali halides, 25:47614
JAQUES, R. P. Inactivation of nuclear polyhedrosis virus of Trichoplusia ni by gamma and ultraviolet radiation, 24:34783
JAQUES, T. A. J. Plasma arc furnace for fuel melting, 24:41565 (DP-Report-148)
JAQUETI, G. Effects of superficial radiotherapy on cutaneous epitheliomas, 23:29658
JAQUISH, Richard E. Analysis of atmospheric gases, 25:20928 (CONF-700816-(Vol.2), pp 683-96)
Environmental monitoring system for nuclear tests, 25:44586 (SWRHL-501-r)
JAQUISS, Gerard J. Simulated radiac trainer, 21:3414
JAQUISS, M. T. Determination of G(-C) values for P.G.A. and other graphites in Windscale AGR, 22:10284
Graphite and coolant chemistry of gas cooled thermal reactors, 25:54032 (A/CONF.49/P-504)
JARABAK, J. P. Laser effects on tissue and materials related to dentistry, 21:8983
Laser-induced microperforations in teeth sections, 21:8981
Lasers and teeth, 21:8984
JARABAK, John P. Laser warning sign, 21:10885
JARAMILLO, Ramios Rios V—A theory for nucleon resonances, 25:14648
JARANOWSKI, J. Mutagen specificity in Pisum sp. and Vicia sativa L, 22:49636
JARBOE, C. Radiation sterilization of prototype military foods. II, 21:20462
Radiation sterilization of prototype military foods. III, 24:6158
JARBOE, G. E. Effects of radiation on zinc metabolism of sheep, 25:32565
JARCHOW, O. MoO$_3$ whiskers with disturbed structure, 22:49854
JARCZYK, Domyslaw Radiation-induced changes in medical personnel working with x rays, 23:41473
JARCZYK, L. Elastic scattering of alpha particles on ^{39}K nuclei in energy range from 22.1 to 28.2 Mev, 23:7244 (INP-613)
Elastic scattering of alpha particles on ^{39}K at E/sub α/ = 22.1 to 28.2 MeV, 23:19224
Glory effect in optical model analysis of ^{39}K(α,α)^{39}K elastic scattering, 23:19201 (INP-614)
Glory effect in optical-model analysis of ^{39}K(α,α)^{39}K elastic scattering, 23:19222
Resonance in the elastic scattering of alpha particle on ^{39}K at 24 MeV, 22:27062
JARCZYK, Lucjan Resonance in elastic scattering of alpha particles on ^{40}Ca nuclei, 21:11984 (INP-502/PL)
Resonance phenomena in elastic scattering of α particles on atomic nuclei, 22:20499 (INP-577/PL)
JARDINE, L. Paramagnetic resonance of γ-irradiated selenious acid, 22:18822
JARDINE, L. J. Effects of different schedules of dose fractionation on the oxygenation status of a transplantable mouse sarcoma, 24:21295
JARDINE, Leslie J. Gamma-ray calibration standards, 25:34923 (UCRL-20476)
JARDY, Alain Isotopic analysis of lead in uranothorianite by hyperfine spectrometry, 25:20914
Separation of lead isotopes on cation exchange resins, 24:16664
JARED, R. C. Acceleration of fission fragments, 24:20292
Distribution of K x rays as a function of mass and atomic number in the spontaneous fission of ^{252}Cf, 24:38278
Electron-induced fission in ^{238}U, ^{209}Bi, and ^{181}Ta, 22:27112
Excited state in even—even fission products, 25:5687 (UCRL-19949)
Experimental information concerning deformation of neutron rich nuclei in the A approximately 100 region, 24:40621
Ground-state bands in neutron-rich isotopes produced in fission of ^{252}Cf, 25:7857
Prompt de-excitation of fission fragments, 25:3673
Search for superheavy elements in nature by detection of events with large numbers of neutrons, 25:3652 (UCRL-19957)
JARED, Richard C. Selection and biasing of FET's for low-energy x-ray and γ-ray spectrometers, 21:34476 (UCRL-17528)
Semiconductor x-ray emission spectrometer, 23:16141
JARKA, R. E. Analysis of recent dosimetry experiments in EBR-II, 24:7090
Asymmetry and local distortions of the flux due to gross heterogeneities in EBR-II, 24:7097
Comparison of the various neutronic representations for EBR-II analyses, 24:46012 (ANL-7540)
Detailed analysis of space-dependent phenomena, 24:33273
Distribution of gamma energy deposition in a fast reactor, 25:5970
Importance of discrete-ordinate ray effects in fast reactor design studies, 25:6159
Irradiation damage to reactor structure due to neutron streaming, 25:41382
Linear components of the power-reactivity decrement of EBR-II, 23:37657
Local modification of irradiation conditions, 25:26016 (ANL-EBR-35)
Local modification of irradiation conditions in EBR-II, 25:41550
Neutronic characteristics of a mixed-oxide fuel loading of EBR-II, 23:37654
JARKA, Richard E. Analysis of linear components of power-reactivity decrement in EBR-II, 24:11164 (ANL-7539)
JARKOVSKY, Jaroslav Preparation of wood—plastic combinations on the basis of unsaturated polyester resins. I, 24:41324
Preparation of wood-plastic combinations on the basis of unsaturated polyester resins. II, 25:2254
Radiation polymerization of methylmethacrylate in wood, 24:11641
JARLAUD, A. Plastic deformation and fracture of casted rolled beryllium under hydrostatic pressure lower than 15 kbar, 25:49446
JARLSKOG, C. Decay eta $\rightarrow \pi^0\gamma e^+e^-$, 21:46518
Eta decays with e^+e^- and $\mu^+\mu^-$ pairs, 21:21178
Radiative corrections to non-leptonic Σ decays and $\Delta I = {}^1/_2$ rule, 22:3353
Tests of the V—A theory in neutrino—lepton interactions, 24:45482
JARLSKOG, Cecilia Lepton-charge violating coupling constants in muon decay, 25:14653
Radiative corrections to beta decay, 25:28493
JARLSKOG, G. Vidicon system for the automatic recording of spark chamber events, 21:43255
JARMAN, P. D. Second-sound attenuation in rotating He II close to the lambda point, 21:18550
Sonically induced cavitation of liquid helium, 24:35335
Ultrasonic bubble chamber development at CERN, 25:34953 (CONF-700623-(Vol.1), pp 376-89)
JARMEN, A. Effect of dissipation on nonlinear interaction, 23:27650
Invariance properties of waves in a streaming magnetized plasma, 23:16840 (UUIP-615)
JARMEN, Anders Electrodynamic studies on waves in a system of two electronic counterstreams and a plasma, 22:44115 (NP-17582)
Electrodynamic studies on waves in a system of two electronic counterstreams and a plasma, 23:12819 (NP-17757)
JARMER, J. J. Method for absolute calibration of Ge(Li) detectors using effective interaction depth, 25:42125
JARMIE, N. RELKIN: two-body relativistic kinematics code, 24:40671 (LA-4349)
Scattering of polarized protons by tritons at 13.6 MeV, 25:53551
JARMIE, Nelson Accurate proton—proton differential cross sections near 10 MeV, 24:12939
Bibliography of possible false asymmetries and their corrections in experimental measurements of polarization asymmetries, 24:14290 (LA-4235)
d-^{4}He elastic scattering at 12.000 MeV, 25:45895
Experimental study of excited ^{4}He, ^{5}He, and ^{5}Li nuclear systems, 21:44553
Monte Carlo simulation of a proton—proton spin correlation experiment, 21:25316
Monte Carlo simulation of proton-proton spin correlation experiment, 21:933 (LA-3558)
Nonboiling liquid hydrogen target, 21:5442
Nuclear glory scattering, 22:32723
Nuclear processes T(p,p)T, T(p,^{3}He)n, T(p,d)D, and T(p vector,p)T from 13 to 20 MeV, 25:45900
p-^{3}He elastic scattering from 13 to 20 MeV, 25:45903
Proton—proton elastic scattering from 9.6 to 13.6 MeV, 25:27957
Proton—proton scattering at 9.690, 9.918, and 13.600 MeV, 24:40270
Scattering of polarized protons by tritons at 13.6 MeV, 25:5521 (LA-4465, pp 28.1-2)
Spin correlation in proton—proton scattering at 27 MeV, 21:25232
JARNAGIN, R. C. Carrier yield in molecular systems due to photo and high-energy β particle ionization, 22:50999
Prog. rpt. on photoexcited properties and electron energy loss, annual, 9/69—9/70, 24:50291 (ORO-3894-2)
Triplet sampled radiation damage, 21:96 (CONF-660612-4)
Triplet sampled radiation damage, 23:2675
JARNEBORN, L. Lowest negative parity state in ^{21}Na, 24:40588
JARNUM, Stig Quantitation of gastrointestinal protein loss by means of ^{59}Fe-labeled Fe dextran, 23:26680
JARNUSZKIEWICZ, Andrzej Detection of tritium radiation by means of an open counter containing damping vapor over free surface of the liquid, 25:15892
JAROSCH, J. F. Fast flux test facility chemical analysis laboratory, 22:50903 (BNWL-821)
Mock-up of remotely operated high-purity inert-atmosphere sodium analysis facility, 25:13195 (WHAN-SA-91)
Mockup of remotely operated high-purity inert-atmosphere sodium analysis facility, 25:51797
Mockup of remotely operated, high-purity, inert-atmosphere sodium analysis facility, 25:4310
JAROSCHEK, K. Chronology of the power and energy economy, 22:30169
JAROSCHEK, Kurt German nuclear industry shows immense progress, 23:9108
JAROSEWICH, Eugene Lost City, Oklahoma, meteorite: laboratory investigation and comparisons with Pribram and Ucera, 25:40156
JAROSIEWICZ, I. Distortion to spectra and efficiency of silicon detectors for diffusive incidence to detector of electrons from ^{14}C and ^{35}S sources, 23:31539 (CLOR-72)
JAROSLOW, B. N. Effects of irradiation on the changes in the immune response of aging mice, 25:6657 (CONF-691106-, pp 268-74)
Effects of x irradiation on antigen localization in lymphoid follicles, 21:30882
Synthesis of RNA by normal mouse spleen cells after stimulation with antigen in vitro, 23:29416
JAROSLOW, Bernard N. Changes in immune response of BCF$_1$/Anl mice with age, 23:45674 (ANL-7535, pp 101-2)
Effect of colchicine on the hemolysin response in unirradiated and irradiated rabbits, 21:12995
Restoration and enhancement of antibody synthesis by nucleic acid digests and colchicine, 23:11936 (AEC-tr-6646/4A, pp 139-45)
Survival of hibernating ground squirrels after gamma radiation, 24:9933
JAROSS, R. A. Core components test loop (CCTL) operating experience, 24:7204
Development of an in-core permanent-magnet probe-type sodium flowsensor for operation in the Fast Flux Test Facility (FFTF), 25:60183
JAROSS, Robert A. Eddy-current probe-type sodium flowsensor for FFTF reactor fuel channel flow monitoring, 25:60184
Liquid metal purifier, 25:29800
JAROSZEWICZ, B. Iodine-132 3-hr thyroid uptake in pregnant women at early gestation and after artificial abortion, 22:47487
JAROSZEWICZ, Bohdan Radioisotope placentography in central placenta praevia, 23:29607 (TT-68-50001/1, pp 111-15)
JARRAH, H. Specific area osseous effects of x radiation, 23:16391
JARRETT, B. V. Detector background and sensitivity of x-ray fluorescence spectrometers, 25:51856 (LBL-9)
JARRETT, H. S. Magnetism and magnetic materials: 1966 digest, 21:13650
Moment-conserving decoupling procedure for many-body problems, 23:30676
JARRETT, J. H. Promethium isotopic power data sheets, 24:31590 (BNWL-1309)
Thin film radiation sources by radiofrequency sputtering, 25:57651 (CONF-711002-, pp 147-59)
Thin film rare-earth polonides, 23:36025 (BNWL-1113)
JARRETT, Olin Jr. Onset of rotating disturbance in the interelectrode region and exhaust jet of an MPD arc, 24:32832
JARRETT, R. D. Jr. Radiation dosimetry in relation to high intensity radiation sources, 22:8540
JARRETT, Robert D. Radiolysis of FeSO$_4$—CuSO$_4$—H$_2$SO$_4$, 24:19015
Stabilized radiation dosimeters, 22:40470
JARRETT, Robert D. Sr. U. S. Army radiation laboratory, 22:8683
JARRETT, W. F. H. Failure of x-irradiated Haemonchus larvae to immunize young lambs, 21:22659
Irradiated larval vaccines, 21:45809
Relation between age and successful vaccination with irradiated Haemonchus larvae, 21:24563
JARRETT, W. H. Eye tumor identification tests using semiconductor detectors, 25:58064
Medical problems in eye tumor identification, 25:58063
JARRIEL, J. L. Reactivity measurements on large ^{235}U—Al forms in H$_2$O, 25:39684
SRL experiments for the Japanese power reactor and Nuclear Fuel Development Corporation, 24:50087 (DP-1219)
Static and pulsed reactivity measurements on large ^{235}U fuel forms in water, 25:60212
JARRY, G. Effect of electron—cesium ion radiative recombination on the intensity of spectral lines of cesium, 21:37424
JARRY, M. F. Structure of the sources of stationary Type IV bursts, 23:6854
JARRY, R. L. Laboratory investigations in support of fluid-bed fluoride volatility processes. XIX, 22:42806 (ANL-7412)

  Prog. rpt. on reduction of atmospheric pollution by application of combustion, annual, 7/68—6/69, 24:29103 (ANL/ES-CEN-1001)
  Prog. rpt. on reduction of atmospheric pollution by application of fluidized-bed combustion, annual, 7/69—6/70, 25:23423 (ANL/ES-CEN-1002)
  Reaction of gaseous bromine pentafluoride with U compounds. I, 21:42961
  Reaction of gaseous bromine trifluoride with U_3O_8, 23:28818
  Work plan for continuation of the project, reduction of atmospheric pollution by the application of fluidized-bed combustion, 25:37158 (ANL/ES-CEN-1003)
JARRY, Roger L. Reaction of gaseous Br pentafluoride with U compounds. II, 22:12288
JARSTORFF, I. Ternary fission of U by high-energy protons, 24:33143
JARVIE, A. W. P. Mechanism of solvolysis of 2-halogenoalkylsilanes. II, 24:29280
JARVINEN, P. A. Pelvic arteriography in pregnancy, 22:8537
JARVIS, Arthur N. Separation of radiocarbon from radiometals in biological samples, 23:45390
JARVIS, B. C. Effects of gamma irradiation on chromatin of sugar beet, 25:55351
JARVIS, George A. Critical mass reduction, 21:23606 (LA-3651)
  Minimum critical mass, 22:25089 (LA-DC-8521)
JARVIS, J. P. Design and installation of the TURF californium facility, 25:51791
  Design and installation of TURF californium facility, 25:4304
  Transfer of californium sources by pneumatic rabbit, 25:4305
  Transfer of californium sources by pneumatic rabbit, 25:51792
JARVIS, J. Y. Determination of water in 2-ethyl-1-hexanol, 25:15473 (MLM-1777)
  Gamma pulse height determination of ^{238}Pu in solid wastes, 23:13656
  Gamma-ray assay of ^{238}Pu in waste cans. I and II, 23:28720 (MLM-1585)
JARVIS, John F. Measurement of (deltaP/deltaT)/sub v/ and related properties in solidified gases. I, 22:31759
JARVIS, O. N. Determination of Y_6 deformations in rare earth region by inelastic alpha particle scattering, 22:3700 (UCRL-17547(Exp.))
  Determination of Y_{40} and Y_{60} components in the shapes of rare earth nuclei, 22:14007
  Differential cross section and polarization in proton—proton scattering at about 143 MeV, 22:24541
  Direct-access multi-user computer system for the Harwell synchrocyclotron, 25:56612
  Inelastic alpha particle scattering in the rare earth region and determination of $\beta 4$, 22:27205
  Inelastic scattering of 17.8 MeV protons from ^{58}Ni, ^{60}Ni, and ^{120}Sn and the determination of spin and parity assignments for ^{58}Ni from α-particle scattering, 21:46691
  Measurements of C/sub NN/ in 140-MeV p—p scattering using a polarized target, 21:21415
  Measurements of correlation parameter in proton—proton scattering, 22:11898
  Measurements of the differential cross section and polarization in proton—proton scattering at about 98 MeV, 22:37285
  Multiple nuclear excitation of rotational levels in ^{152}Sm and ^{154}Sm, 21:10028
  Proton—nucleus triple scattering measurements at 140 MeV, 21:21450
  Re-evaluation of old values and remeasurement of polarization in p—p scattering at 140 MeV, 21:21416
  Relation between the optical potential for spherical and deformed nuclei, 22:14081
  Self-supporting target of solid hydrogen for nuclear physics experiments, 25:33925
  Small-angle proton—proton scattering cross-sections at 144 MeV, 25:53013
JARVIS, P. Effect of temperature on the radial exchange of labeled water in maize roots, 22:40597
  Radial exchange of labeled water in maize, 22:25729
JARVIS, R. G. Analytical and numerical methods for integrating Fourier transforms, 24:43867 (AECL-3568)
  Calculations of thermal scattering law for solids and liquids, 21:38146 (AECL-2705)
  Theory for least squares description of radial distortions in irradiated fuel sheaths, 25:11368 (AECL-3688)
  Thermal-neutron scattering in water, 24:6815
JARZAB, Grazyna Panoramix in radiological dental diagnostics, 25:21721
JARZEBSKI, Z. M. Hall effect and electric conduction in cadmium oxide, 23:42493
  Thermodynamic equilibrium of point defects in sintered CdO, 23:42492
JASANI, B. Effect of extrathyroidal activity on the estimation of radioiodide clearance, 22:23465
  Iodination relation to irradiation and hypertrophy of thyroid, 24:19282
  Large area whole-body counters for clinical applications, 24:25286
JASANI, B. M. Calibration of a high-sensitivity large area whole-body counter, 23:626
  Large area liquid scintillation whole-body counters, 23:29181
  Performance of a high sensitivity liquid scintillation whole-body counter, 22:14758
JASANOVSKY, P. Stability of standard solutions of some radionuclides, 22:14681
JASCHEK, C. Blanketing effect in Am stars, 24:25824
  Further bright peculiar A stars, 23:12453
  Photometric variability of Be stars, 25:40196
  Spectra of some Be stars, 24:12504
  Spectral changes on HD 125823, 22:47777
  Spectrum of Bidelman's He variable star HD 125823, 22:43837
JASCHEK, Carlos Frequency of spectroscopic binaries, 24:51278
  Helium-weak stars, 24:51261
  Nitrogen deficiency in two supergiants, 22:848
  Study of bright A stars. I, 23:51185
  Study of the bright A stars. II, 24:48938
JASCHEK, H. Analytical model for investigation of the dynamic behavior of pressurized-water reactors with self-maintained pressure, 25:1956 (MRR-60)
  Control concepts of nuclear power stations, 23:2015
  Dynamic behavior of a pressurized water reactor with self-pressurization, 24:52859
  Investigation of various control concepts for pressurized water reactors with self-pressurization, 24:52864
  Simulation and control of nuclear power plants with natural circulation boiling water reactors, 22:35482
JASCHEK, M. Blanketing effect in Am stars, 24:25824
  Further bright peculiar A stars, 23:12453
  Heavy elements in 73 Draconis, 24:12533
  Heavy elements in Ap stars, 24:51282
  Spectra of some Be stars, 24:12504
  Spectral changes on HD 125823, 22:47777
  Spectrum of Bidelman's He variable star HD 125823, 22:43837
JASCHEK, Mercedes Helium-weak stars, 24:51261
  Nitrogen deficiency in two supergiants, 22:848
  Spectrum of HR 3817, 23:22740
  Study of bright A stars. I, 23:51185
  Study of the bright A stars. II, 24:48938
JASCHIK, J. Absolute measurement of bremsstrahlung spectra emitted from thick targets in the 500 keV energy region, 21:41757 (UCRL-Trans-10124)
JASCHKE, J. Methods for determining and improving the reliability of electrical supply systems, 25:41573 (EUR-4517, pp 329-51)
JASELSKIS, Bruno Iodometric determination of Te(VI) in the presence of Te(IV) and Se(VI), 24:20689
JASHNANI, J. V. Recoil chemistry of ^{32}P, 23:49835
JASIAK, J. Personnel film monitoring in Poland in years 1963—65, 21:20165 (CLOR-58/D)
  Personnel film monitoring in Poland, 21:26455
  Personnel film monitoring of fast neutrons in Central Laboratory for Radiological Protection, 25:15949 (CLOR-80/D)
JASIELSKA, A. Reaction (α,d) on ^{40}Ca nuclei, 21:5501 (INP-478/PL)
  Reaction (d,p) on ^{48}Ti and ^{50}Ti nuclei, 23:17094
  Reaction (d,p) on ^{48}Ti and ^{50}Ti nuclei, 23:21296 (ZFK-130, pp 111-15)
  Study of (α,d) reaction on ^{40}Ca nuclei, 21:19215
  Study of (d,p) reaction on ^{48}Ti and ^{50}Ti nuclei, 22:35250 (INP-594/PL)
JASIM, F. Separation and solvent extraction of V and U with n-propyl 2,3,4-trihydroxy-benzoate, 23:34989
JASIM, Fadhil Spectrophotometric determination of Nb(V) with n-propyl 3,4,5-trihydroxybenzoate, 24:13746
JASIN, Hugo E. Immunoglobulin synthesis in synovitis, 23:38394
JASINSKA, M. Thermoluminescence of biological materials, 24:49255
JASINSKA, T. Ionizing radiation measurements by using wide-range monitoring films, 21:3316 (CLOR-FOTON-53)
JASINSKI, Andrzej Ion relaxation of paramagnetic groups of lanthanum and iron in electronic resonance, 22:15562 (INP-508-PL, pp 18-38)
JASINSKI, R. J. Prog. rpt. on thermoelectric and thermionic power conversion, final, 2/66—1/67, 22:34321 (AD-661455)
JASINSKI, Raymond J. Thorium content of primary standard grade ammonium hexanitratocerate, 22:18730
JASINSKI, W. Bibliography of oncology. II, 22:51672 (NP-16780(Vol.2))
  Bibliography of oncology. IV, 24:4649 (NP-18069)
  Bibliography of oncology. V, 25:46929 (NEIC-RR-42(Vol.5))
  Bibliography on oncology, 21:34679 (NP-16780(Vol.1)(Pts.2-3))
  Bibliography on oncology, 23:26820 (NP-16780(Vol.3))
  Cerebral gammography with /sup 99m/Tc, 24:34469
JASINSKI, W. K. Distortions in gamma camera scintigraphic pictures, 24:31681
  Double-detector scinticamera for visualization of cold nodules in bulky organs, 25:57763
  Liver examination in cancer patients with scanner and gamma camera using rose bengal ^{131}I as a tracer, 24:34496
  Scintigraphy of symptomless metastases of mammary cancer in the spine, 23:48106
  Scintillation camera and 1600-channel analyser for the diagnosis of metastatic cancer of the liver, 23:48145
JASINSKI, Wladyslaw Selected basic problems of protection against radiation, 21:18155
JASINSKI, Wladyslaw K. Strontium-87m scanning of bones, 22:38343
JASINSKIEGO, W. Prog. rpt. on radiobiology, annual, 1966, 23:20267 (NEIC-RR-26)
  Prog. rpt., annual, 1965, 21:39444 (NEIC-RR-24)
  Report of research work during 1967, 23:29559 (NEIC-RR-33)
  Use of radioactive ^{47}Ca in investigating mineral transformation in bone tumors, 23:35609
JASINSKII, W. K. Retention of ^{85}Sr in rats, 23:50300
JASKE, R. T. Advance planning of thermal discharges, 23:47639
  Biological cost of discharging heat to rivers, 25:39181 (A/CONF.49/P-86)
  Cost analysis of improved regulation of the Columbia River to increase minimum flow in the Hanford plant vicinity, 24:47929 (BNWL-1343)
  Dispersion characteristics of Columbia River between river miles 383 and 355, 25:6422 (BNWL-1477)
  Economics of environmental quality, 25:51269 (BNWL-SA-3983)
  Effect of Hanford Plant operations on the temperature of the Columbia River 1964 to present, 25:10691 (BNWL-1345)
  Effects of steam—electric plants, 22:42169 (BNWL-SA-2027)
  Estuarine version of the COLHEAT digital simulation model, 24:41417 (BNWL-1342)
  Improved methods for planning of thermal discharges before site acquisition, 24:7030
  Improved methods for planning of thermal discharges before site acquisition with specific case example on Columbia river, 24:46333 (BNWL-SA-3193)
  Improved methods for planning of thermal discharges before site acquisition, 25:1809 (BNWL-SA-2737)
  Methods for evaluating effects of transient conditions in heavily loaded and extensively regulated streams, 25:46283
  Multiple purpose use of thermal condenser discharges from large nuclear systems to supplement interregional water supply, 25:44083 (BNWL-SA-2738)
  Multiple purpose use of thermal condenser discharges from large nuclear system to supplement inter-regional water supply, 25:46224
  National estimate of public and industrial heat rejection requirements by decades through the year 2000 AD, 24:41080 (BNWL-SA-3052)
  Need for advance planning of thermal discharges, 24:18535
  Potential effects of thermal power plants on streams in upper Mississippi River basin, 23:15963 (BNWL-999)
  Potential thermal effects of expanding power industry: Ohio River Basin. I, 24:20873 (BNWL-1299)
  Potential thermal effects of expanding power industry: upper Mississippi River Basin, 24:47726 (BNWL-1405)
  Preliminary evaluation of thermal effects of Ben Franklin Dam project on Columbia River temperatures below Hanford plant, 22:33184 (BNWL-733)
  Simulation modeling of thermal effluent in an irrigation system, 24:16340 (BNWL-1277)
  Simulation of effects of Hanford at Washington—Oregon border, 24:47930 (BNWL-1344)
  Test simulation of temperature of Illinois River and prediction of effects of Dresden II and Dresden III reactors, 22:30689 (BNWL-728)
  Test simulation of temperatures of Deerfield River, 22:8205 (BNWL-628)
  Thermal death models, 24:23154
  Thermal discharges require advance planning, 24:317
  Thermal effects and radioactive releases from nuclear power plants, 23:17148 (BNWL-SA-2279)
  Thermal modification of river water quality, 22:2190 (BNWL-SA-1457)
  Thermal modification of river water quality, 22:30405 (BNWL-719)
  Thermal pollution and its treatment, 25:10133 (BNWL-SA-3581)
JASKOLA, M. (n,α) reactions on dysprosium isotopes induced by 14.2 MeV neutrons, 25:53742 (INR-1275)
  (n,α) reactions on heavy nuclei induced by 14.2-MeV neutrons, 25:43886 (INR-1268)
  Angular distributions for ^{154}Gd(d,t)^{153}Gd reaction, 23:46992
  Angular distributions for the ^{160}Gd(d,t)^{159}Gd reaction, 21:23494
  Beam switching magnet system for Van de Graaff accelerator, 24:13219 (INR-971)
  Energy spectra of alpha particles from the ^{122}Te(n,α)^{119}Sn, ^{159}Tb(n,α)^{156}Eu and ^{169}Tm(n,α)^{166}Ho reactions with 14.2 MeV neutrons, 22:20619
  Energy spectrum of α particles from the ^{122}Te(n,α)^{119}Sn and ^{169}Tm(n,α)^{166}Ho reactions with 14.2-MeV neutrons, 22:3692 (INR-814/I/PL)
  Reactions (n,α) induced by 14.2-MeV neutrons in erbium isotopes, 24:43315 (INR-1175)
  Reactions (n,α) on heavy nuclei induced by 14.2-MeV neutrons, 25:59802
JASKOLA, Marian Accelerators in nuclear levels structure studies, 24:38325
JASKOLSKA, H. Search for internal isotopic tracers in metallurgical materials. I, 25:48479
  Use of acetylacetone extraction from halogen acid medium in determination [by radioactivation] of gallium, indium, and copper in lead and iron, 23:9323
JASKULSKI, Jan Radioactive contaminations of area and environment of Institute of Nuclear Research, Zeran Centre, 1961—67, 24:23179 (INR-1114)
  Radioactive contaminations of area and environment of Institute of Nuclear Research, 1968, 24:44488 (INR-1117)
  Radioactive contaminations of the Institute of Nuclear Research: Center Zeran area and its environment in 1969, 25:37731 (INR-1246)
JASKUNAS, S. R. Structures of ribonucleic acids, 21:3374 (UCRL-16806, pp 5)
JASLAK, J. Personnel film monitoring and evaluation of exposure to ionizing radiation of monitored persons, 22:49126 (CLOR-68)
JASNOVA, L. N. Distant mutagenic effects of ionising radiation in mammals, 21:43361
JASNOW, David Decay of order in isotropic systems of restricted dimensionality. I, 25:14492
  Decay of order in isotropic systems of restricted dimensionality. II, 25:14493
JASON, R. H. Initial studies of collapsed group-space synthesis, 21:38205
  Nuclear waste management practices and trends, 25:18043
JASON, Richard Harry Role of the adjoint flux in determining reactor stability, 21:7854 (ANL-7189)
  Role of the adjoint flux in determining reactor stability, 21:35781
JASPAR, H. H. J. Brain damage after x-ray therapy, 25:52246
JASPER, E. W. Excitation functions of the ^{197}Au(α,xn) reactions in the energy range from 16 to 103 MeV, 25:36745
JASPER, L. J. Jr. Analysis of reactor fuel element solutions. I, II, and III, 21:30350 (NBL-238)

- JASPERS, G. Fuel element of Geesthacht KSH reactor, 23:28367
- JASPERSE, J. R. An approach to the bound-state three-body problem with application to the helium-like atom, 21:28951 (AFCRL-67-0165)
  - Approach to the bound-state three-body problem with application to the helium-like atom, 21:33562
  - Approach to the three-body scattering problem, 23:3846
  - Method for one particle bound to two identical fixed centers, 25:7151
- JASPERSE, John R. Improved method for quantum-mechanical three-body problem. III, 22:41759
- JASPERT, Jurgen Radiation dosimeter having sensitive material containing lithium hydride, 25:57831
  - Radiation dosimeter, 24:16901
- JASSBY, D. L. Beam shape in the focal region of a microwave lens as determined from encircled energy, 22:13445
  - Confinement time of Cs and K plasmas in a Q device, 22:44080
  - Evolution and large-electric-field suppression of the transverse Kelvin—Helmholtz instability, 25:7404
  - Feedback stabilization of the transverse Kelvin—Helmholtz instability, 25:27772
  - Impedance and radiation pattern of antennas in isotropic plasma, 24:37444
  - Improved plasma confinement in a Q machine with symmetrically heated end plates, 23:14750
  - Plasma end losses in a Q machine, 23:16774
  - Q-machine cathode producing large radial electric fields, 25:52853
  - Recombination of alkali plasma ions on hot tungsten surfaces, 24:5167
  - Remote plasma control, heating, measurements of electron distribution, and trapped particles by nonlinear electromagnetic interactions, 25:38515 (CONF-710607-25)
  - Three-body recombination coefficient in highly ionized potassium plasma, 24:19881
  - Transverse Kelvin—Helmholtz instability in a Q-machine plasma, 24:15337
  - Velocity shear and low-frequency plasma instabilities, 25:9496
- JASSBY, Daniel Lewis Transverse velocity shear instabilities in a magnetoplasma column, 25:43395
- JASSBY, K. M. Dislocation mobility in copper and zinc at 44°K, 25:60265 (CALT-767-P-3-16)
  - Experimental determination of the line energy of a basal screw dislocation in zinc, 25:60266 (CALT-767-P-3-17)
  - Measurement of dislocation damping forces at high dislocation velocity, 25:60264 (CALT-767-P-3-15)
- JASSELETTE, P. About quantum measurements, 24:20040
  - Application of Kramers' symbolic method to SU(3), 21:27404
  - Clebsch—Gordan coefficients of group SU(3), 22:29723
  - Extension of Kramers symbolic method to SU(3), 22:7530 (NP-17138)
  - Many pi—meson systems, 25:3364
  - Measurement theory in quantum mechanics, 25:17336
  - Observation problem in quantum mechanics, 24:24197
  - Reduction of direct products in SU(3), 21:27403
- JASSOGNE, L. Use of radioisotopes for labeling refractory material used in foundry, 21:26062 (EUR-3169.f)
- JASTAD, E. Energy-level structure of ^{131}Te from ^{130}Te(d,p)^{131}Te reaction, 21:44681
- JASTRAM, P. S. Decay scheme of ^{158}Tb, 22:18227
  - Double internal bremsstrahlung in beta decay of ^{90}Y, 24:40635
  - Search for double-photon decay in ^{90}Zr, 25:3658
- JASTROW, Robert Cosmic evolution, 22:23927
- JASTRZEB, Maurice Burnup determination of power reactor fuel elements by gamma spectrometry, 24:4056 (CEA-R-3863)
- JASTRZEBSKI, J. Half life of some short-lived isotopes of Rb, Sr, Cs, Ba, La, and identification of Rb as delayed neutron precursors, 21:21539
  - Intensity rules in decay of ^{173}Lu, 24:6896
  - Isotopic distribution of Rb and Cs produced by 10.5-GeV protons of U, Th, Ta, and identification of new isotopes, 22:24879
  - Mass-spectrometric method for study of short-lived Rb, Cs, and Na isotopes, 22:30033
  - Quadrupole moment of K/sup π/ = 0$^+$ excited state in odd ^{173}Lu, 22:3733
  - Quadrupole moment of the K/sup π/ = 0$^+$ excited state in odd ^{173}Lu, 22:16004 (INR-P-843/IA/PL)
  - Reduction of pile-up effects in time and energy measurements, 21:6279
  - Study of short lived Rb and Cs isotopes, 22:27168
- JASTRZEBSKI, Jerzy K conversion coefficients and the intensities of the transitions in ^{189}Ir, 21:4303
  - Radioactive chain of mass number 189, 21:10023
  - Time-to-amplitude converter for the measurements of nanosecond isomers, 21:8648
- JASTRZEBSKI, Slawomir Treatment of lesions of the oral cavity and jaws in patients with radiation injuries, 23:50644
- JASWAL, S. S. Polarizability of H$^-$, 25:9174
- JASZ, A. Assay of ^{51}Cr—DTPA and ^{51}Cr—EDTA, 24:13748
- JASZCZAK, R. J. Fast neutron and gamma ray risetime differences in large NaI(Tl) crystal, 24:11790
  - Total cross section (^{12}C(d,n)^{13}N) from 1.2 to 4.5 MeV, 23:42865
- JASZCZAK, Ronald J. ^{12}C(α,γ)^{16}O capture cross section below 3.2 MeV, 24:49760
  - Carbon-12(α,γ)^{16}O capture cross section below 4.1 MeV, 25:7819
  - Proton recoil monitor for neutron flux measurements, 25:18763
  - Use of a pulsed Van de Graaff accelerator and time-of-flight techniques to reduce backgrounds in (α,γ) spectroscopy experiments, 25:20148
- JASZCZAK, Ronald Jack Radiative capture of ^{4}He by ^{12}C below 4 MeV, 24:5393
- JATCZAK, J. Detection of high-energy neutrinos, 25:43174
  - Estimation of upper limit of anisotropy of muon-poor showers, 25:40413
  - Extensive air showers of cosmic rays, 24:6396
  - Neon hodoscope, 23:14080 (INR-943)
  - Sidereal variations of high-energy cosmic rays, 21:7042
- JATCZAK, Jerzy Analysis of detection by neon hodoscope, 24:2445 (INR-1064)
  - Analysis of detection by neon hodoscope, 24:25276
  - Average and maximum distance of EAS axis from apparatus as a function of shower size and age parameter, 22:13284
  - Density-ratio method for localizing the axis of extensive air shower, 23:16682 (INR-944)
  - Detection of extensive air showers of cosmic radiation with a neon hodoscope, 23:654
  - Determination of particle density in shower by logarithmic formula, 23:47841
  - Effect of the radius of the apparatus on the mean distance of shower axis from its center, 25:42157
  - Energy spectrum of cosmic-ray extensive air showers, 22:41394
  - Estimation of the upper limit of the anisotropy of muon-poor showers, 23:51399 (INR-1065)
  - Localization of axes of individual air showers, 22:50059
  - Radial distribution of the frequency of extensive air showers, 24:21625
- JATHAR, N. B. Automatic data logging system for meteorological studies in reactor environments, 24:14339 (BARC-444)
  - Design concepts of a centralized automatic air monitoring system for a large radioisotope complex, 23:47778
- JATHO, K. Dose capacity in radium contact irradiation of bilateral vocal carcinomas, 23:24619
- JATKAR, S. K. K. Nature of bonding in uranyl ion. I, 25:23592
  - Nature of bonding in uranyl ion. II, 25:23589
- JATSUN, V. A. Existence of solution of Bethe—Salpeter equation in case of lepton interactions. I, 21:29491 (ITF-67-4)
- JAUCH, Delbert Edwin Measurement of the neutral cascade hyperon lifetime, 25:19903
- JAUCH, J. M. Asymptotic condition of scattering theory, 22:35157
  - Delay time operator for simple scattering systems, 21:27458
  - Generalized localizability, 21:37629
  - Quantum-logic, 24:45383
  - Stationary-state scattering theory, 25:53395
- JAUCH, Josef M. Foundations of quantum mechanics, 22:15656
- JAUCH, K. Matching problems and parasitic effects in magnetostrictive readout systems, 21:16107 (CONF-660918-, pp 60-2)
- JAUHAR, P. P. Induction of some rare somatic mutations in Solanum tuberosum L. by ionizing radiations and radiophosphorus, 25:39820
- JAUHAR, Prem P. Induced mutagenesis as a tool in potato breeding, 25:39836
  - Mutational rectification of specific defects in some potato varieties, 21:34643
- JAUHIAINEN, T. Proceedings of the first Nordic meeting on medical and biological engineering, Otaniemi, Finland, 1/70, 25:29584
- JAUHNO, P. Computer program for computation of irreducible representations of SU(3), 21:15374
- JAUHO, P. Diffusion of Na-ion from bisulphite cooking liquor into wood chips, 25:39460
  - Heavy element analysis by isotope-excited x-ray fluorescence, 25:39429
  - Measurements of the momentum correlation in the three-phonon annihilation of positronium, 25:16795
  - Pulsed neutron measurements in graphite, 21:5477
  - Quantum-mechanical foundations of the neutron transport theory, 22:46706
  - Radiation resistance of microelectronic systems, 25:39789
  - Separation of coherent and incoherent cross sections in inelastic neutron scattering using polarized nuclear targets, 25:14869
  - Stochastic properties of nuclear reactors in a two-group model, 23:47328
  - Temperature dependence of positron lifetime in water, 22:17415
  - Time measuring circuits for fast nuclear lifetime spectroscopy, 23:669
  - Time-dependent neutron spectrum in zirconium hydride, 22:29879
  - Trapping of positrons by dislocations in aluminum, 24:19992
- JAUHO, Pekka Accuracy of transport theory calculations of an anisotropic neutron flux, 22:15935
  - Energy-dependent neutron transport theory in adjacent half-spaces, 25:12857
  - Ladder-graph approximation in positron annihilation, 22:17378
  - Neutron rethermalization in a one-dimensional lattice, 24:4138
  - Neutron thermalization in heavy gas with nonuniform temperature distribution, 22:11887
  - Pulsed-neutron and exponential experiments with mixed-fuel lattices, 25:41617
  - Slowing down of neutrons in zirconium hydride, 21:11951
  - Variational approach to selection of direction sets in discrete S/sub n/ approximation to neutron transport theory, 22:39936
- JAUK, Hermann Pebble bed reactor core, 21:2856
- JAULIN, M. Apparatus for central scattering of x radiation for use at low temperatures, 22:49169
- JAULMES, Sylvie L_3GaS_6 compounds (L = Dy, Ho, Er, and Y), and the phase diagram of Y_2S_3—Ga_2S_3 system, 25:35571
- JAUMANN, J. Optical and photoelectric properties of β-rhombohedral B. I, 23:42490
- JAUMIER, J. J. Introduction to the study of the physico-chemical behavior of radioruthenium contained in radioactive waste, 24:36348 (EUR-4481)
  - Physico—chemical processes of transfer of radioruthenium in continental environment, 24:27311 (CEA-CONF-1430)
  - Physico-chemical processes of transfer of radioruthenium in continental medium, 25:2364
- JAUMOTTE, A. Heat transfer between the channels and heavy water in a nuclear reactor, 23:26449
  - Nuclear, thermal, and electric rocket propulsion, 22:16252
- JAUMOTTE, A. L. European view of nuclear propulsion, 22:16253
- JAUMOTTE, Andre L. Magnetohydrodynamic outflow through a square channel in presence of a transverse magnetic field, 24:21633
  - MHD flow in tube of square cross section in transverse magnetic field, 23:32220
- JAUNARAJS, K. L. Development of 400 to 1800F fibrous-type insulation for radioisotope power systems, 23:41725 (ALO-2661-12)
  - Prog. rpt. on 400 to 2200F fibrous-type insulations for radioisotope power systems, 10—12/68, 23:11721 (ALO-2661-11)
  - Prog. rpt. on development of fibrous-type insulations for radioisotope power systems, 1—3/68, 22:25613 (ALO-3633-8)
  - Prog. rpt. on development of fibrous-type insulations for radioisotope power systems, 7—9/68, 23:526 (ALO-3633-10)
- JAUNCEY, D. L. Angular size of 3C 273B, 22:5014
  - Compact radio source in nucleus of M87, 24:4970
  - Declination and flux density measurements of selected 4C sources at 430 MHz. II, 24:35067
  - Declination measurements of selected 4C sources using Arecibo 1000-ft reflector, 23:51255
  - High-resolution interferometry of small radio sources using intercontinental base lines, 22:49880
  - High-resolution observations of compact radio sources at 13 centimeters, 24:46928
  - High-resolution observations of compact radio sources at 6 and 18 centimeters, 25:52553
  - High-resolution observations of small-diameter radio sources at 18-centimeter wavelength, 22:49942
  - High-resolution radio interferometry at 610 MHz, 24:23642
  - Identification of 4C sources using the 4C ascensions and Arecibo declinations, 25:7019
  - Identification of 4C sources with quasi-stellar objects, 25:7027
  - Improved spectra of some Ohio radio sources with unusual spectra, 25:856
  - Interpretation of Ohio radio source counts, 25:24771
  - Observations of compact radio sources, 25:19368
  - Radio interferometry using a base line of 20 million wavelengths, 22:41182
  - Radio sources near 2 f.u. at 408 MHz, 24:42388
  - Re-examination of source counts for 3C Revised Catalogue, 22:7130
  - Upper limit to flux density from Sco X-1 at 408 MHz, 25:32950
- JAUNCEY, David L. Comments on paper by S. Von Hoerner, 22:29005
  - Maximum-likelihood estimation of the slope from number-flux-density counts of radio sources, 25:7014
- JAUNEAU, L. Introduction to Regge poles, 24:15542 (LAL-1220)
  - Spectra and polarization in $K\mu_3$, 23:49101
- JAUNICH, Helmut Use of corrosion resistant steels and alloys in nuclear reactor construction, 22:34061
- JAUREGUY, J. C. Effective half-life of beryllium-7, 24:44403 (CONF-691101-, pp 159-65)
  - Effective period of ^{7}Be in view of biological dosimetry of protons of high energy, 24:25479 (CEA-CONF-1445)
- JAUS, W. Charge-dependent radiative corrections to Fermi matrix element for pure Fermi β-decays, 25:18002
  - Radiative corrections to β-decay including strong interaction effects, 22:39350
  - Radiative corrections to β-transitions, 24:30918
  - Symmetry properties of the state vectors of two unstable particles, 21:5382
- JAVAN, A. Hyperfine structure and paramagnetic properties of excited states of xenon studied with a gas laser, 21:7025
  - Location of electron and hole carriers in graphite from laser magnetoreflection data, 22:31971
- JAVED, N. A. Measurement of the equilibrium oxygen, carbon, and uranium activities, 24:42109
  - Phase relations in U—C—O system, 25:6911
  - Thermodynamic study of the uranium oxycarbide system, 22:28959
  - Thermodynamics of oxygen and nitrogen dissolution in uranium monocarbide, 24:10170 (ANL-Trans-791)
  - Thermodynamics of the dissolution of oxygen and nitrogen in uranium monocarbide, 23:1052
- JAVELLAUD, J. Device for the insertion of irradiated samples in experimental nuclear reactors, 24:38612
- JAVELLAUD, Jean Devices for holding a sample to be irradiated in a nuclear reactor, 23:43154
  - Heat actuated pump, 24:22863
- JAVID, Manucher Glioblastoma multiforme. An analysis of the results of postoperative radiotherapy alone versus radiotherapy and concomitant 5-fluorouracil, 25:26889
- JAVID, R. Chemotherapy of glioblastoma multiforme, 21:26537
- JAVOR, A. Automation of the production-line testing of nuclear detector parameters, 22:45307
- JAVOR, George T. Autoradiographic study of genetic transformation, 23:22195
- JAVORSKY, C. A. Phase equilibria in the thorium—thorium monophosphide system, 21:45960
  - Powder extrusion of tungsten tubing, 23:29984 (LA-4099)
- JAVRISHVILI, A. K. Filmless information from a discharge cloud chamber, 23:11857

Hydrogen discharge-cloud chamber, 22:49118
JAWALEKAR, S. R. Electrical properties of ytterbium oxide films, 24:51848
JAWAS, G. Neutron spectrum in the Democritos reactor, 24:4101
Resonance interaction effects, 25:46327
JAWOREK, Dariusz Content of ^{137}Cs in muscles of rabbits and hares, 23:50465
JAWOROWSKI, A. Annealing of Hall-mobility changes in electron-irradiated Ge, 22:1301
JAWOROWSKI, Andrzej Activation energy and frequency factor of 100°K annealing stage of simple defects in n-type Ge, 25:11954
JAWOROWSKI, R. J. Atomic absorption studies on rare earth and refractory metals, 21:23837
JAWOROWSKI, Z. Incorporation of ^{239}Pu into hair, 25:55116
Incorporation of tritium in hair, 25:10954
Radioactive lead in the environment and in the human body, 23:33698
Stable and radioactive lead in environment and human body, 22:21206 (NEIC-RR-29)
Uptake of ^{210}Pb by resting and growing hair, 22:455
JAWOROWSKI, Zbigniew Decontamination of skin contaminated with radionuclides, 25:52052
Determination of ^{210}Pb by internal electrolysis of its ^{210}Bi daughter, 21:25948
Lead-210 in environment and in human body, 21:28494
Radium D hazards to U miners, 21:26459
Radium-226 in contemporary and fossil snow, 25:29209
Temporal and geographical distribution of Ra D, 21:10451
JAWORSKI, Richard Lee Hybrid computer method for two-dimensional calculations involving the Laplacian operator, 25:17671
JAWTUSCH, V. Spectroscopic investigations of HF-plasma source, 23:34389 (AEC-tr-7065)
JAWUREK, H. H. Microlayer geometry and bubble growth in nucleate boiling, 24:19150
JAX, Peter Solid solution strengthening in niobium single crystals, 25:32718
JAY, B. Scattering of fast neutrons of ^{238}U, 25:43898
JAY, James M. Response of the phenomena of extract-release volume and water-holding capacity to irradiated beef, 22:15129
JAYACHANDRAN, C. A. Properties of lithium borate powder as a solid state dosimeter, 23:7812 (CONF-680920-, pp 118-39)
Response of thermoluminescent dosimetric lithium borates equivalent to air, water, and soft tissue and LiF TLD-100 to low energy x-rays, 24:25317
Surface applicators and interstitial implantations with radioactive ^{192}Ir, 25:49261
JAYADEVAPPA, Ettigi S. Chelate formation of 4-carboxycatechol with some metal ions, 25:48517
JAYAKAR, J. S. Gamma to neutron ratios for Pu—Be and Am—Be neutron sources, 24:35803
JAYAKAR, R. W. Distribution of SSC sizes at Alibag for the period 1921—1960, 24:17793
Diurnal distribution of SSCs, 21:41929
Diurnal distribution of SSCs of different sizes in H in the Alibag magnetograms for the period 1921 to 1960, 22:5253
JAYAKUMAR Electron temperature, density, and conductivity of electrodeless rf discharge in argon, 25:49879
Some characteristics of radio frequency plasmas, 22:31814
JAYANTHAN, R. Axisymmetric dynamo, 22:23939
Electric current in a sunspot, 24:28025
Herschel effect and solar photography, 24:28030
JAYANTHI, U. B. Diffuse x-ray background measurements in energy range 2 to 18 keV, 25:24753
Energy spectrum and the absolute flux of various celestial x-ray sources, 24:21469
Energy spectrum and time variation of Sco X-1, 23:41834
Time variation of optical intensity of sco X-1 x-ray source, 23:30251
X-ray flux from Centaurus X-2 in the energy range 2 to 20 keV, 23:41835
X-ray observation of Cen XR-4 and Nor XR-2, 25:19354
JAYARAM, K. M. V. Leaching and precipitation of U from quartzite ores, 25:44424
Lixiviation test on bulk uraniferous quartzite ore, 25:44422
Uranium and thorium resources and development of technology for their extraction in India. I and II, 25:51641 (A/CONF.49/P-531)
JAYARAM, R. D-region response to solar flares, 21:23111
JAYARAM, Sunita Harmonic generation due to nonlinear mixing of two strong microwaves in a magnetoplasma, 25:47589
Mixing of two microwaves and emission of low-frequency waves from a plasma slab, 24:51744
JAYARAMAN, A. New first-order phase transition in high-purity ytterbium metal, 25:9588
JAYARAMAN, J. Arbitrary-spin wave equations and Lorentz invariance, 25:41061
Carruthers' theorem for any spin and parastatistics, 24:40292
Commutation relations among members of internal-symmetry multiplets, 23:7159
Reduction of Kemmer equation and singular behavior of integer-spin relativistic Hamiltonians, 24:51996
Relativistic wave equations, 25:53263
JAYARAMAN, K. S. Elastic scattering of protons from ^{40}Ca at 21.0, 23.5, 26.3, and 48.0 MeV, 25:31295
Many-nucleon transfer reactions of protons with ^{12}C and ^{13}C at 45.0 MeV, 25:33998
Reaction ^{13}C[^{3}He,^{8}Be(g.s)]^{8}Be(g.s.), 22:44622
Search for excited levels in ^{3}He, 24:52417
JAYARAMAN, Killugudi Sambamoorthy Reaction ^{13}C[^{3}He,^{8}Be(g.s)]^{8}Be(g.s.), 23:39972
JAYARAMAN, M. T. Radiation processed wood-plastic materials, 25:19298
JAYARAMAN, S. Computer method for calculating multi-field and rotational dose distributions in ^{60}Co teletherapy, 25:13449
Partial-body irradiation of larvae of Tenebrio molitor, 25:19094
Review of the IAEA activities in radiation dosimetry, 24:21171
JAYARAMAN, Swaminathan Radiation damage and repair after whole-body or partial—body irradiations of T. molitor larvae, 25:26914
JAYARAMAN, T. M. Preparation of fibre—polymer composites from styrene systems, 24:13938
Radiation processed fibre—polymer combinations, 23:15889
Radiation processed fibre-polymer combinations, 25:150
JAYARMAN, S. Intercomparisons of absorbed dose in ^{60}Co teletherapy using mailed LiF dosimeters. II, 25:42172
JAYASIMHA, P. Nonlinear resonant ion heating in a magnetoplasma, 24:51614
JAYAWEERA, S. A. A. Formation and reactivity of nitrides. I, 22:25345
JAYE, S. Adaptability of HTGR to various national requirements, 24:16197
Alternate fuel cycles for HTGR, 23:37515
Developmental components for advanced converter evaluation, 21:38454 (GAMD-7867)
Fuel cycle characteristics of the high temperature gas-cooled reactor, 21:5614 (GA-7276)
High temperature gas-cooled advanced converter reactors and Colorado Project, 21:1159 (GA-7149)
High-temperature gas-cooled reactor fuels and fuel cycles, 21:17447 (GA-7482)
High-temperature gas-cooled reactor fuel and fuel cycles: their progress and promise, 22:32810
HTGR fuels and fuel cycles: their programs and promise, 21:7947
Importance of approach to equilibrium and comparison of accurate reactor histories with equilibrium fuel cycles in HTGR, 21:13970 (GA-7126)
Reduction of neutron losses to ^{236}U and ^{237}Np in reactors using uranium recycle by fuel segregation, 21:27672 (GAMD-4583)
Use of Pu in the HTGR, 23:4244
JAYE, Seymour Nuclear reactor and method of fuel management therefor, 21:25679
Nuclear reactor fuel, 21:4394
JAYENDRAN, A. Measurements of ionospheric electron content over Khartoum, 23:27471
JAY-GERIN, J. P. Phonon drag in graphite, 25:17325
JAYKO, Michael E. Ionization and excitation in peptide radiolysis, 23:47530
Main-chain scission in radiolysis of solid peptides, 21:19675
Radiolytic degradation of the peptide main chain in dilute aqueous solution containing oxygen, 25:15672
JAYLET, A. Heterozygous chromosomal aberrations in viable offspring of x-irradiated male newts (Pleurodeles waltlii Michah), 22:23645
JAYNE, G. Textures arising in electrolytically produced U by rolling and annealing of α phase, 21:20531
JAYNE, G. A. Analysis of gamma-ray spectra from NaI(Tl) and Ge(Li) spectrometers. Computer programs, 21:10624
RELAP3: a computer program for reactor blowdown analysis, 24:43788 (IN-1321)
Studies of acoustic effects in reactor system blowdown, 21:7964
JAYNE, Gerald A. Hydrodynamics describing acoustic phenomena during reactor coolant system blowdown, 22:10001 (IDO-17254)
JAYNES, E. T. Long-term solutions in semiclassical radiation theory, 24:10397
Radiative effects in semiclassical theory, 23:25165
JAYNES, G. E. Addition of rare earths to uranium and uranium alloys, 22:28754 (LA-3911)
JAYSON, G. G. Pulse- and x-radiolysis of 2-mercaptoethanol in aqueous solution, 25:42294
Pulse-radiolysis study of some unstable complexes of iron, 24:4318
Radiation chemistry of cystamine sulphate, 22:2142
Unstable complexes of iron seen in the pulse radiolysis of aqueous ferrous perchlorate, 21:42985
Utilization of Fricke dosimeter for evaluating biological radiation protective potential of water soluble organic compounds, 22:40142
X-irradiation on the survival of L. bacoti and on its susceptibility to infection with L. carinii, 21:13005
JEAN, A. G. High-altitude nuclear detection studies. II, 25:41933 (AD-719620)
JEAN, Aime Gamma radiation attenuation study: ^{58}Ni loop, comparison of experimental results with calculation, 24:47848 (CEA-N-1331)
JEAN, G. Effect of AET on blood coagulation, 21:24516
JEAN, M. Cargese lectures in physics. III, 24:20430
Isospin and number-conserving treatment of pairing correlations in nuclei, 22:14071 (IPNO/TH-110)
Isospin and number-conserving treatment of pairing correlations in nuclei, 22:30073
Treatment of pairing correlations without violation of conservation laws, 22:9950
JEAN, Maurice Hartree—Bogolyubov theory and application to neutron—proton pairing problem, 25:10060 (NP-18538)
JEANDIDIER, C. Utilization of a chain of current pulses for the spectroscopy of in-pile neutrons, 25:37627
JEANDIDIER, Claude n, γ discrimination in recoil-proton proportional counters, 24:2477 (CEA-R-3823)
JEANJEAN, J. QED test by e+e- scattering at 2 x 510 MeV, 24:5331 (LAL-1221)
Upper limit on phi in two-π branching ratio, 25:12074
JEANJEAN, M. Studies for high-power Faraday cup, 22:46680
JEAN-LOUIS, F. Plastic consolidation of polycrystalline uranium during tensile tests carried out in α phase at different rates, 21:45964
Temperature dependence of slip in α—U, 22:31349
Work-hardening characteristics of α-U, 22:2657
JEAN-LOUIS, Francois Method of growth of perfect crystals of α—U by hot plastic deformation and annealing at higher temperature in α phase, 21:41560
Variation of critical shear stress from various methods of slippage in monocrystals of α U deformed by compression as a function of temperature (between 20 and 650°C), 23:6689
JEANMAIRE, L. Attempt to study the contamination of livestock by ^{131}I under natural conditions, 21:8813
Automation tests carried out at Health Protection Department, Health Control Section, 24:43960 (CEA-N-1292, pp 107-12)
Dosimetry of irradiation by high-energy protons by measuring ^{7}Be, 23:14053
Interpretation of data relating to plutonium contamination, 23:29465 (CONF-448-36)
Measurement of the radioactive isotope concentration in milk and milk products, 21:12888
Study of two cases of ^{241}Am contamination, 25:37802 (EUR-4612, pp 531-46)
Study of two cases of contamination by ^{241}Am, 25:10931 (CEA-CONF-1557)
JEANMAIRE, Lucien Automation of a battery of ion exchange columns for the determination of Pu in biological samples, 22:3998 (CEA-N-819)
Determination of ^{90}Sr in milk ash, 23:15810 (CEA-R-3653)
Estimation of ^{90}Sr in milk ash, 23:45213 (UCRL-Trans-10370)
Potassium-233 "Pu simulator" for the direct measurement of a pulmonary contamination, 22:28472
Simulator of Pu for direct estimation of pulmonary contamination, 23:4925 (AEC-tr-6967)
Strontium-90 content of human bone collected in 1967, 23:22281 (CEA-R-3681)
Strontium-90 content of human bones collected, 1962—66, 22:31059 (CEA-R-3381)
Strontium-90 content of human bones collected in 1968, 24:36727 (CEA-N-1299)
Strontium-90 levels in human bones collected in 1969, 25:37774 (CEA-N-1428)
JEAN-MARIE, B. Backward scattering of positrons and electrons on protons, 22:7420 (LAL-1183)
Backward scattering of positrons and electrons on protons, 22:13639
Measurement of the radiative decay modes of phi^{0} meson phi^{0} $\rightarrow$ eta$^{0}\gamma$, phi^{0} $\rightarrow$ $\pi^{0}\gamma$ with the Orsay storage ring, 25:1411 (LAL-1240)
Source of monoenergetic electrons of 0.5 to 3.5 MeV, 24:5809
JEANMART, L. Radiological aspects of post-radiotherapeutic colitis, 25:35158
JEANNE, D. High energy particle identification by ionization measurements using single gas proportional counter, 25:35018
JEANNE, F. Present state of the bibliography on Nb and its alloys, 25:19165
JEANNE, Georges Portable testing devices for monitoring radioprotective materials, 22:6556 (CONF-650460-1)
JEANNEAU, B. Surface deposition of radioisotopes on sands and silts, 22:19063
JEANNEAU, Bernard Processes for marking sediments with ^{198}Au, 22:25614 (CEA-R-3389)
JEANNET, E. Emission of ^{8}Be in anti p-nucleus interactions at 5 GeV/c, 22:20513
Proton—nucleus interactions at 3 GeV/c in nuclear emulsions, 23:32616
Research on anisotropy in decay of π—μ, 21:42249
JEANNET, J. C. Microscopic characteristics of Cs vapor during post-luminescence, 24:26213
JEANNET, Jean-Claude Electron density in ionized Cs vapor, 25:9421
JEANNIN, Y. Nonstoichiometry in the $ZrSe_2$ phase, 24:21438
JEANNOT, A. Control of fast breeder Rapsodie, 21:10133 (EURFNR-102-F)
JEANNOTTE, D. Defect studies in metals, 21:43618 (BNL-11717)
Radiation damage in W. I, 24:12438
JEANNOTTE, Dexter A. Prog. rpt. on vacancy annealing in irradiated W, final, 1967, 22:2664 (CU-3551-8)
JEANPIERRE, G. Industrial fabrication of nuclear fuel elements in France, 21:1227
Manufacture of metallic uranium nuclear fuels: some industrial and economic aspects, 25:4743
JEANPIERRE, M. Recent progress in fuel elements, 22:46939
JEANS, A. F. Normalization of (t,d) reaction, 22:50624
Particle configurations in ^{207}Pb, 22:7733
Study of ^{208}Pb(d,p)^{209}Pb reaction at energies above and below Coulomb barrier, 23:23733
JEANS, William C. Critical flow data of sodium liquid-vapor mixtures, 23:35407
Liquid fraction in sodium liquid-vapor flow, 23:35413
Sodium flashing experiment, 22:5969
JEANTET, E. Remote handling in operation of the installation ATTILA, 25:4261 (CEA-R-4067)
JEANTEUR, Ph. Prog. rpt. on DNA replication in animal cells, annual, 1966, 21:22236 (EUR-2959.e)
JEBSON, P. Hartlepool AGR: main and essential electrical systems, 24:9053
JECH, C. Channeling patterns based on penetration of low-energy ions, 25:14417
Depth distribution measurements using bombardment-enhanced solubility, 22:34286
Diffusion in inert-gas bombarded KCl, KBr, and KI, 22:17774
Ion-bombardment enhanced solubility in solids, 21:37603
Mechanisms of diffusion in inert-gas bombarded solids. V, 23:34095
JECH, Cestmir Bombardment-induced disorder. II, 24:21861
Gas-release study of annealing of bombardment-induced disorder. I, 23:22697

  - High-resolution measurements of diffusion of inert gas in α—Al$_2$O$_3$, 21:44185
  - Inert-gas diffusion as a probe for lattice defects in ionic crystals, 21:44186
  - Observing channeled penetration of low-energy ions, 24:6624
  - Release of ^{85}Kr from manganese dioxide, 24:32522
- JECH, J. J. Action after accidental intake of Pu, 24:7863
  - Assessing the probable severity of plutonium inhalation gases, 23:45773
  - Interference of medically administered ^{57}Co with transuranic element in vivo lung measurements, 25:13458
  - Interpretation of data on internal plutonium contamination, 25:37800 (EUR-4612, pp 437-68)
- JECH, R. W. Fibering ceramics by mechanical deformation, 25:6896
  - Fibering of oxides in refractory metals, 22:41018
- JECH, Z. Changes in winter wheat variety caused by mutagens, 24:23172
  - Mutants resistant in winter wheat, 24:23170
- JEDINAKOVA, V. Conductometric analysis of heavy water, 24:26973
  - Investigation of uranyl ion complexes in concentrated chloride, perchlorate, and nitrate solutions, 22:25338
- JEDLICKA, F. Influence of barbiturates on thiopental effect on irradiated rats, 23:912
- JEDLICKA, H. Crystal structure of W$_2$FeB$_2$, 23:34017
- JEDLICKA, P. Radiation treatment results in brain tumours, 24:48656
- JEDLICKA, Pavel Reaction of nervous tissue to application of ionizing radiation, 25:27056
- JEDLICKA, Vladimir Phagocytosed Thorotrast in the histological examination of organs, 21:20380
- JEDLINSKI, Z. Effect of gamma rays on properties of several plastic films, 22:33374 (CEA-tr-X-635)
- JEDRUCH, J. Determination of core burnup, isotopic inventory, and conversion ratio from selective sampling of spent reactor fuel, 21:34119
  - Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. I, final, 8/70, 25:46310 (N-71-15162)
  - Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. 5, final, 8/70, 25:54223 (N-71-15166)
- JEDRUCH, Jacek Activation experiment to determine the coefficients in the Laguerre expansion of perturbed thermal-neutron spectra, 22:32471
  - Effect of radial temperature gradient on formation of axial void in UO$_2$ fuel elements, 22:44856
  - Experimental determination of the Laguerre coefficients for spectral expansions, 21:38192
  - Reconstruction of perturbed neutron spectra from the response of selected resonance absorbers, 22:9768
- JEDRYCHOWSKI, Lucjan Decontamination of milk from radioactive Cs and Sr by means of ion exchangers of Polish manufacture, 25:2329
  - Evaluation of indigenous ion exchange resins for removal of Sr from milk. I, 23:47613
- JEDRZEJCZAK, Wanda Effect of irradiation upon Trichomonas vaginalis, 24:23301
- JEDRZEJEC, Henryk Nb$_3$Sn superconducting phase identification in Nb—Sn alloys by critical temperature measurement method, 25:43288 (INR-1294)
- JEDRZEJEWSKI, Wtodzimierz Catalytic determination of small amounts of Mo, 21:5768 (ORNL-tr-1468)
- JEDWAB, Jacques Distribution of radioactivity and optical phenomena in Dorenaz coal, 22:10387
  - Distribution of radioactivity and optical phenomena in coal from Dorenaz (Canton of Valais, Switzerland), 22:10388
  - Microscopic observation of radiation effects in solid organic materials, 22:14585
  - Microscopic similarities between certain thucholites and humic carbonaceous materials, 22:12454
  - Radiation damage in asphaltic uraniferous materials. III, 21:26007
  - Radiation damage in Schaentzel uraniferous coal, 22:21211
  - Significance and use of optical phenomena in uraniferous caustobioliths, 21:16025
  - Significance and use of optical phenomena in uraniferous caustobioliths, 22:10393
- JEE, W. S. S. Bone-seeking radionuclides and bones, 25:29630
  - Distribution of ^{90}Sr in humerus and third lumbar vertebra of the beagle pup after single and multiple injections, 23:11977 (COO-119-237, pp 101-9)
  - Diurnal rhythm in labeling indices of rat periodontium ligament fibroblast, 25:23942 (COO-119-242, pp 303-11)
  - Effect of time and doses upon ^{85}Sr retention in rats, 25:23993 (COO-119-242, pp 282-302)
  - Influence of ^{226}Ra and ^{239}Pu on dental root canal, 24:864
  - Microscopic distribution of ^{241}Am in beagle thyroid gland, 23:11979 (COO-119-237, pp 124-32)
  - Microscopic distribution of ^{241}Am in the beagle, 24:551 (COO-119-240, pp 97-118)
  - Microscopic distribution of ^{241}Am in the beagle thyroid gland, 24:11923
  - Vascular changes in bones following bone-seeking radionuclides, 23:38797
- JEE, Webster S. S. Bone cancer induction by radionuclides: incidence vs. dose, 25:24336 (COO-119-242, pp 385-401)
  - Conference on delayed effects of bone-seeking radionuclides, Sun Valley, Idaho, 9/67, 23:38429
  - Corticosteroid and bones, 25:23994 (COO-119-242, pp 312-53)
  - Device for multiautoradiogram exposure standardization, 21:24289 (COO-119-235, pp 96-106)
  - Distribution of thorium daughters in bone, 23:26669
  - Effects of radiation on bone, 23:50833 (PHS-999-RH-33, pp 59-60)
  - Methodologies for determining local bone dosimetry, 25:24150 (COO-119-242, pp 268-72)
  - Radiation-induced bone cancer, 23:38800
  - Risk to adult man from permissible body burden of ^{239}Pu (0.04 μCi) equally divided between bone and liver, 24:838 (COO-119-240, pp 262-74)
  - Risk to bone and liver from ^{239}Pu, 25:11301
- JEEJEEBHOY, K. N. Distribution and fate of ^{54}Mn in rat, 23:45636
  - Niobium-95-labeled albumin in study of gastrointestinal protein loss, 21:28398
  - Simple double isotope tracer technique for the measurement of fecal radioactivity, 22:6725
  - Simple method of estimating folic acid absorption, 21:22525
- JEEVANADAM, M. Equilibrium N isotope effects in metal ammine/ammonia systems, 25:96
  - Preparation of 99.5 percent ^{15}N by chemical exchange between oxides of nitrogen in a solvent carrier system, 25:8334
  - Vapor pressures of isotopic methanes: evidence for hindered rotation, 22:10254
- JEEVANANDAM, M. Nitrogen isotope effect in transition metal hexaammine complex—NH$_3$, 23:40654
  - Oxygen isotope effects in synthetic reversible oxygen carrier systems, 24:31320
  - Preparation of 99.5 percent ^{15}N by chemical exchange between oxides of nitrogen in solvent carrier system, 22:136 (CU-755-4, Paper IV)
- JEFFCOATE, S. L. Effect of bile acids on radioimmunoassay of insulin, 24:29626
- JEFFERIES, D. F. Accumulation of ^{134}Cs by the plaice and the thornback ray, 25:49087
  - Aquatic aspects in chronic and acute contamination situations, 24:7793
  - Concentrations of ^{137}Cs and ^{90}Sr in brown trout from British Isles between 1961 and 1966, 22:10773
  - Concentrations of ^{137}Cs and ^{90}Sr in brown trout, 22:28460
  - Experience gained from the controlled introduction of liquid radioactive waste to coastal waters, 25:32095
  - Exposure to radiation from gamma-emitting fission-product radionuclides in estuarine sediments from the northeast Irish Sea, 25:16173
  - ICRP critical group concept in relation to the Windscale sea discharges, 23:6018
  - Population exposure from waste disposal at Windscale, 21:22463
  - Summary of field studies in United Kingdom, 24:34216
- JEFFERIES, D. K. Deuterium ion trapping in Nb, Ti, Zr, and Er, 23:36088
  - Small 180° fast scanning mass spectrometer, 22:401
- JEFFERIES, J. T. Analysis of spectral-line profiles. I, 22:11144
  - Analysis of spectral-line profiles. II, 22:11143
  - Chromospheric spectrum at the 1962 eclipse, 22:38690
  - Formation of line spectra, 25:22221
- JEFFERIES, John T. Population inversion in the outer layers of a radiating gas, 25:38091
  - Spectral line formation, 22:24021
  - Spectrum of inner corona during eclipse of May 30, 1965, 25:19410
- JEFFERIES, Kent S. Condensing pressure control for SNAP-8 system, 21:1201 (NASA-TM-X-1292)
  - Reactor simulator for nonnuclear testing of space power systems, 21:38628 (NASA-TN-D-4095)
  - Reactor-loop transients during SNAP-8 power conversion system startup, 24:31114 (N-70-19269)
  - Reactor-loop transients during startup of simulated SNAP-8 system, 22:37516 (N-68-22257)
  - Startup testing of SNAP-8 power conversion system, 24:52976 (N-70-29864)
  - Transfer functions for radiator dynamics in SNAP-8 system, 23:28579 (N-69-14503)
- JEFFERIS III, Raymond Palmer Feedback control of the buckling instability in an axially compressed thin elastic beam, 23:21870
- JEFFERS, D. E. Bubble growth in transient pool boiling, 24:4407
  - Flux tilting in a two-zone reactor, 22:16301
  - Relay control of Universities' research reactor, 22:12104
  - Spatial instabilities in a two-zone reactor, 22:42399
  - Spatial transfer functions of a two core reactor, 24:52970
  - Spatially dependent noise measurements in a two zone reactor, 24:52971
  - Transfer function measurements in a two zone reactor, 24:4094
  - Transfer function measurements on the Universities' Research Reactor, 22:30337
- JEFFERS, F. J. Condenser cooling water system for nuclear power plant, 24:26795
- JEFFERS, Peter Mechanism of H—D exchange in acetylene at intermediate temperatures: response, 22:10225
- JEFFERS, R. M. Effects of gamma radiation on quaking aspen, 23:22436
- JEFFERS, S. L. Effect of earth burial of radioisotope heat sources, 24:22894
  - Fragment velocity measurements from three Project PYRO experiments, 23:47362 (SC-DR-69-329)
  - Launch-pad accident environments, 24:22892
- JEFFERS, William Q. Infrared astronomy, 24:12500
- JEFFERSON, L. R. Radiation treatment of acid mine drainage, 22:30710
  - Removal of iron from acid mine drainage waste with aid of high energy radiation. II, 23:9416 (BNL-12114)
  - Removal of iron from acid mine with aid of high energy radiation. III, 23:9417 (BNL-12115)
  - Removal of iron from mine drainage waste with the aid of high-energy radiation, 21:36075 (BNL-11576)
- JEFFERSON, R. M. Feasibility of thermoradiation sterilization of spacecraft using ^{60}Co, 24:36510 (SC-RR-70-301)
  - Index of proceedings of Remote Systems Technology Division of American Nuclear Society, Vols. 1—14, 21:28129 (SC-R-67-1056)
  - Sandia Pulsed Reactor II, 24:11235 (CONF-690102-, pp 105-23)
  - University-industry cooperative teaching laboratory in nuclear engineering, 24:7060
- JEFFERSON, Robert M. Excess reactivity measurements: a different approach, 22:33007
- JEFFERSON, S. High-energy electron and gamma food irradiation plant, 21:26708
  - Industrial applications of ionizing radiations, 22:19056
  - Industrial sterilization of medical products, 22:52074
  - Present and future applications of large radiation sources in industry, agriculture, and medicine, 22:23233
  - Radiation: an industrial tool, 24:22902
- JEFFERSON, T. C. Relation between mass spectra and reaction products of electron-irradiated aromatic ketones, 25:2266
- JEFFERTS, K. B. Alignment of the H$_2^+$ molecular ion by selective photodissociation. II, 22:9057
  - Carbon monoxide in the Orion Nebula, 24:37069
  - CO, CN, and CS emission from IRC + 10216, 25:55686
  - Detection of interstellar carbonyl sulfide, 25:52547
  - Detection of millimeter emission lines from interstellar methyl cyanide, 25:52546
  - Discovery of interstellar silicon monoxide, 25:43052
  - Discovery of para-formaldehyde and the 2-millimeter formaldehyde distribution in the Orion infrared Nebula, 25:47264
  - Formaldehyde line emission from Trapezium region of Orion Nebula, 25:16674
  - Hyperfine structure in H$_2^+$, 24:12640
  - Initial search for interstellar formyl radical, HCO, and for HC^{13}O$^+$, 25:32960
  - Interstellar ^{12}C^{16}O, ^{13}C^{16}O, and ^{12}C^{18}O, 25:27402
  - Interstellar carbon monosulfide, 25:47263
  - Observation of the CN radical in the Orion Nebula and W51, 24:39785
- JEFFERTS, Keith B. Observation of CO emission at 2.6 millimeters from IRC + 10216, 25:11568
  - Radio search for interstellar H$_2^+$, 24:12604
  - Search for line emission from singly ionized hydrogen molecules, 22:52411
- JEFFERY, B. M. Microanalysis of inclusions in irradiated UO$_2$, 21:15840
  - Possible significance of the fluorescence correction in electron-probe microanalysis of light elements, 22:2458
- JEFFERY, F. H. Measurement of TSH in vitro, 24:29671
- JEFFERY, Grant AEC, industry, utilities explore private enrichment possiblities, 21:19530
  - Boomlet in zircaloy, 21:22856
- JEFFERY, P. G. Determination of fluorine by neutron-activation analysis, 24:27019
  - Determination of fluorine in fluorite ores and concentrates by isotope-source fast-neutron activation analysis, 21:19579
- JEFFERY, P. M. Negative muons and isotopic composition of rare gases in earth's atmosphere, 24:3212
  - Tin: its isotopic and elemental abundance, 21:32131
  - Trace elements and radioactivity in lunar rocks, 24:21528
- JEFFERY, Peter M. Primordial noble gases in separated meteoritic minerals. I, 25:6920
- JEFFERY, R. N. Atom transport under varying pressure, 24:33569 (COO-1198-736)
- JEFFERY, Robert F. Scintillation scanning of liver cell adenoma, 25:58046
- JEFFERY, Rondo Nelden Effect of high pressure on self-diffusion in beta—titanium, 24:53031 (COO-1198-749)
- JEFFERYS, R. A. Technology and problems of high-temperature coatings, 22:36469
- JEFFERYS, Richard Alexander Titanium pretreatment for protective coating of refractory alloys, 21:6787
- JEFFREY, Alan Magnetohydrodynamics, 21:11484
- JEFFREY, C. DUZ-2: program for solving axisymmetric and plane elastic-plastic problems on CDC-6600, 25:345 (WAPD-TM-926)
- JEFFREY, Paul G. Chemical methods of rock analysis, 25:54403
- JEFFREY, R. C. MHD cycles and large-scale experiments. VI, 22:5189
- JEFFREYS, Frank B. Prog. rpt. on shelter management, final, 9/66, 21:26403 (AD-644505)
  - Selection and recruitment of shelter managers, 21:8778 (AD-629914)
- JEFFRIES, C. D. Achievement of significant nuclear polarizations in solids by optical pumping, 22:20073
  - Comment on proton relaxation in Nd:LaMN at high fields and low temperatures, 21:42506
  - Dynamic orientation of nuclei, 21:44737 (UCB-34-P-20-OR-4)
  - Dynamic orientation of nuclei, 22:46838
  - Dynamic proton polarization, 21:2287 (UCB-34-P-20-T-1)
  - Dynamic proton polarization, 21:46400 (UCB-34-P-20-T-1)
  - Polarization of nuclei in solids, 21:21352
  - Polarized solid targets, 25:53460
  - Prog. rpt. on dynamic nuclear polarization and solid state physics, annual, 7/15/69—8/1/70, 25:5150 (UCB-34-P-20-PR-16)
  - Some new schemes for polarizing nuclei, 22:5906
  - Theory and operation of a proton-spin refrigerator, 21:7369
  - Theory and operation of nuclear spin refrigerators, 21:42508
  - Theory and operation of proton spin refrigerators: sizable proton polarizations, 24:30304
- JEFFRIES, Carson D. Method and apparatus for enhancement of nuclear polarization by optical pumping in solids and liquids, 25:33913
  - Nuclear spin cooling method, 21:5594
- JEFFRIES, D. D. Technique for hot cell autoradiography, 25:57693
- JEFFRIES, J. B. Hyperfine interactions of FeB, 24:1490
- JEFFRIES, Jeffrey D. E. Control of neutron beams by vibrating crystals, 25:50595 (CONF-710402-(Vol.2), pp I.22-32)

JEFFRIES, Kent S. Performance of experimental SNAP-8 power conversion system, 23:31211 (N-69-20868)
JEFFRIES, R. A. Fractional-fringe holographic plasma interferometry, 21:35150
  Holographic interferometry of partially ionized plasmas, 24:10510
JEFFRIES, Thomas Oliver Apparatus for detecting differential movement, 21:3362
  Nuclear reactors, 21:5651
JEFFS, A. T. Compatibility of W—26 percent Re with thoria and thoria—plutonia, 22:645 (AECL-2768)
  Fabrication of UO_2—PuO_2 and ThO_2—PuO_2 experimental fuel, 21:28811 (AECL-2675)
  Improved resolution in alpha autoradiographs, 22:44942
  Irradiation behavior of experimental fuel assemblies of UO_2—PuO_2 and ThO_2—PuO_2, 21:31893 (AECL-2674)
  Source of 3.85-MeV gamma rays for testing Ge(Li) detectors, 23:21986
  Source of 3.85-MeV gamma rays for testing Ge(Li) detectors, 23:29163
  Thermal conductivity of ThO_2—PuO_2 during irradiation, 23:4474
  Thermal conductivity of ThO_2—PuO_2 under irradiation, 23:36268 (AECL-3294)
JEFFS, Alan T. High energy gamma ray source, 25:15931
  Oxygen: metal ratio effects in $(U,Pu)O_2$ fuels, 25:19287 (AECL-3690)
JEFFS, E. No ordinary power station, 24:18513
JEFRIES, J. B. Recoil radiation damage following Coulomb excitation, 23:42408
JEFTIC, Lj. Preliminary electrochemical study of plutonium in carbonate solutions on hanging mercury drop electrode, 22:18778
JEGANOVA, I. A. Two-point functions, 23:21030
JEGERLEHNER, Friedrich Time direction and cosmology, 22:52348
JEGHAM, E. On-line operation of measurement devices of bubble chamber group, 23:47834
JEGO, C. Monts d'Arree nuclear power station: EL-4, 23:40299
JEGO, J. M. Laser amplification in a divergent beam with a conical rod, 24:33622 (UCRL-Trans-10466)
  Stimulated emission produced by a laser-created plasma, 24:32824
JEGU, J. Some neutronic problems related to Phenix, 24:22391
JEHANNOT DE PENQUER, Yves Real-time data acquisition and processing unit for nuclear physics experiments, 24:44345 (CEA-CONF-1522)
JEHENSON, P. Aluminum—Al_2O_3 structures for nuclear applications, 23:10249
  Dispersion strengthened Al for nuclear purposes, 22:43647 (EUR-4035)
  Examination of fuel element can closures by the multiple-exposure automatic radiographic method, 25:6510
JEHENSON, P. S. Methods of tamper-proof identification for use in safeguarding the flow of fissionable materials by the containment technique, 25:21327
JEHENSON, Pierre Al—Al_2O structures and process for obtaining same, 22:42570
  Process for obtaining Al—Al_2O_3 structures for nuclear applications, 23:3040
  Products for nuclear applications, 24:39696
JEHENSON, Pierre-Simon Improve ductility of metal-oxide composite materials, 23:24996
JEHLE, Herbert Flux quantization, charge quantization, and the electromagnetic interaction constant, 23:15047
  Flux quantization, charge quantization, and electromagnetic coupling constant, 24:8720
  Relationship of flux quantization to charge quantization and the fine structure constant, 23:18757
  Relationship of flux quantization to charge quantization and the electromagnetic coupling constant, 25:14618
  Representation of quarks in terms of linked quantized flux loops, 24:51992
JEHLE, Robert E. Wide range radiation detector, 23:6296
JEHN, H. Diffusion of N in Mo and W, 24:36915
  High temperature solubility of nitrogen in tungsten, 23:8182
  High-temperature solubility of nitrogen in molybdenum, 22:19536
  High-temperature solubility of nitrogen in tungsten, 24:42098 (SC-T-70-4025)
  Nitrogen solubility in metals of high melting points, 25:58249
  Phase diagram of Nb—O system, 22:26087
  Reactions of niobium and tantalum with gases at high temperatures and low pressures, 23:27060
JEHN, Hermann Equilibria in molybdenum—nitrogen solid solutions, 25:35430
  Nitrogen solubility in tungsten at high temperatures, 25:35429
  Steady states during annealing of Nb and Ta in O_2, 21:13131
  Steady states during heat treatment of niobium and tantalum under water vapor, 21:16582
JEITNER, Franz Nuclear fuel element, 22:48786
JEJCIC, A. Nonlinear colliding-beam effect, 25:53426 (SLAC-Trans-133)
JEKI, L. Angular distribution of gamma rays from the fission of ^{232}Th, ^{233}U, ^{235}U, and ^{238}U induced by 14 MeV neutrons, 24:22155
  Anomalous forward scattering of neutrons with energy 14 MeV on uranium, 23:5909
  Fission neutron spectrum from 0.01 to 1.0 MeV, 25:15108
  Gamma rays from fission of ^{235}U by 14-MeV neutrons, 24:30795
  Phenomenological formula for (n,2n), (p,2n) and (p,3n) reaction cross-sections, 25:34075 (KFKI-71-8)
  Remarks on the existence of retarded neutrons in fission, 25:56741 (KFKI-71-35)
  Shell effect in (n,2n) reaction cross sections, 24:18455
  Small angle elastic scattering of 14-MeV neutrons by ^{238}U, 23:21343
  Survey of measurements of the fission neutron spectrum of ^{252}Cf, 25:36728 (KFKI-71-9)
JEKI, Laszlo Angular distribution of gamma rays from fission of ^{235}U induced by 14-MeV neutrons, 22:46810
  Importance of shell effect in (n,2n) reaction cross section, 23:11058
  Reduction of time spread in on-line fast neutron time-of-flight spectrometer, 22:45326
JELATIS, D. G. Where do we go from here with master-slave manipulators, 25:4313
JELATIS, Demetrius G. Where do we go from here with master-slave manipulators, 25:51801
JELATIS, Demetrius George Compact master-slave manipulator, 22:27986
JELEN, J. Velocity limitation when accelerating plasma, 21:33416
JELEN, K. Radiometric analyses with high-yield proportional x-ray counters and low-activity sources, 22:311 (ORNL-IIC-10(Vol.2), pp 944-62)
JELEN, Kazimierz Application of the low activity isotopic sources to continuous control of thickness of the thin metallic coverings and diameters of wires, by means of the x-ray fluorescence, 21:19860
  Radiometric analyses with high-yield proportional x-ray counters and low-activity sources, 22:33212
JELENSKA, Maria M. Physico-chemical changes in soluble collagen extracted from skin of irradiated rats, 25:44775
JELENSKA-PIENKOWSKA, H. Angular distributions of photons from two-quantum annihilation of positrons in selenium, tellurium, and their alloys, 22:11508
JELIC, L. Decontamination and corrosion of Al, 24:23434
JELINEK, F. J. Heat capacity of Europium from 5 to 300°K, 22:13569
  Low-temperature magnetic behavior of several oxides of gadolinium, 25:59198
JELINEK, George Optical and anharmonic thermal properties of a diatomic molecular solid, 22:3175 (UCRL-70723)
JELINEK, George E. Anharmonic lattice dynamical properties of solid neon, argon, krypton, and xenon, 25:8262 (UCRL-50903)
JELINEK, H. F. Design and fabrication method for plutonium-bearing fuel elements, 22:15153 (ANL-7313)
  Manufacture of reactivity-coefficient elements for Zero-Power Reactor experiments, 22:36439 (ANL-7365)
JELINEK, Vit Contribution to the error theory in low activity measurements, 21:1410
  Optimal conditions of continuous gamma-ray spectrum registration with a single-channel spectrometer, 23:19988
JELINEK-FINK, P. Centrifuge plants in Europe, 25:51699 (A/CONF.49/P-493)
  Enriched UF_6: purchase price from USAEC, 22:42663
  Nuclear energy in the Federal Republic of Germany and the problem of uranium enrichment, 25:46599
  Thorium High Temperature Reactor Project, 21:15743
JELINEK-FINK, Peter Special problems of a nuclear power plant, 22:48705
  Special problems of external fuel cycle, 23:13509
  Supply of enriched uranium, 24:32358
JELINKOVA, A. Some problems in the use of laser in photocoagulation of the retina, 21:8969
JELISAVCIC, O. Interactions of ^{233}Pa with tissues of M. galloprovincialis and C. mediterraneus, 24:7717
  Interactions of ^{233}Pa with tissues of Mytilus galloprovincialis and Carcinus mediterraneus, 24:34062
  Loss of Ce, Co, Mn, Pm, Ru, and Zn during dry ashing of biological material, 23:47388
JELLEFF, R. O. Cosmic ray records, Wilkes 1967, 25:7194 (NP-18515)
  Cosmic ray records, Wilkes 1968, 25:49765 (NP-18959)
JELLENSKA, M. Thermal aggregation of tropocollagen solutions irradiated with low doses of ionizing radiation, 24:31851
JELLETT, K. Computation of high-field magnets, 25:33944
  Electric field on linac drift tube surfaces, 22:29780 (BNL-12434)
  High-field bending magnets, 25:50195 (BNL-16043)
  Linac cavity field calculations, 21:2541 (BNL-10671)
  Ribbon effect in a superconducting septum magnet, 25:9903 (BNL-15368)
  Saturation effects in high-field superconducting magnets, 25:49854
  Small aperture high-field bending magnet, 25:50194 (BNL-16006)
  Stem perturbations of the resonant frequency in a 200-MeV linac, 21:23361 (BNL-11287)
JELLEY, J. V. 200 MHz and 3000 MHz radio emission from extensive air showers, 24:1498
  Bremsstrahlung from extensive cosmic-ray showers, 21:43840
  Cherenkov radiation from extensive air showers, 22:7185
  Evidence for radio pulses from extensive air showers at large zenith angles, 21:37310
  Generation of Cherenkov light flashes by cosmic radiation within eyes of Apollo astronauts, 25:1032
  Radio pulses from extensive air showers, 21:9356
  Search for high-energy gamma rays from CP 1133, 23:5137
  Search for nanosecond structure in light flashes from pulsar NP 0532, 24:4930
  Search for optical flashes from radio source CP 1919, 22:34186
  Spaced-receiver observations of radio pulses, 25:2849
  Visual sensations produced by single fast particles, 25:37895
JELLEY, N. A. ^{49}Fe: a new T/sub Z/ = $-^{3}/_{2}$ delayed-proton emitter, 24:28744
JELLIFFE, A. M. Conference on bone lesion radiodiagnosis and radioinduction, London, 4/68, 25:24243
  Radium vita emanator, 23:50909
JELLINEK, F. Crystal structure of stoichiometric uranium ditelluride, 24:27902
  Erbium diselenide, 25:43004
  Non-stoichiometric phases Nb/sub 1 + x/Se_2 and Ta/sub 1 + x/Se_2, 24:32495
  Some ternary uranium chalcogenides, 23:26246
  System niobium—sulfur, 24:2963
JELLINEK, Olga Determination of Te with simultaneous comparison method, 25:15488
JELLINGER, K. Results of scintigraphy of brain tumors, 23:29636
JELLINGHAUS, W. Carbide phases in sintered iron alloys, 24:21393
JELLISON, F. A. Recent advances in gas-discharge duplexers, 25:57902
JELLISON, J. L. Inhomogeneous deformation effect in Zircaloy-4 rolled plate, 22:21693 (KAPL-P-3406)
JELLISON, James Lee Low-temperature deformation and fracture of iron and iron—vanadium alloys, 25:55478
JELLISON, Jane Sliding friction of copper alloys in vacuum, 23:46067
JELLUM, E. Biochemical and radioprotective effects of thiols and disulphides, 24:12121
JELLY, D. H. High-latitude ionosphere, 23:44294
JELLY, Doris Changes in Van Allen radiation associated with polar substorms, 22:5225
JELLY, Doris H. Apparent poleward motion of onsets of auroral absorption events, 22:13373
  Morphology of auroral absorption during substorms, 24:17821
  Substorm aspects of auroral absorption and other effects of the upper part of the auroral particle spectrum, 24:39931 (ESRO-SP-38, pp 45-62)
JELONEK, A. Importance of decalcification in the treatment of tuberculosis. II, 22:6761
JELONEK, Stanislawa Calculations on angle from lab-system for angle in CM-system, 22:16930 (INP-565/PL)
JELTSCH, E. Gamma dosimetry at nuclear reactors with dosimeter glasses, 23:2590
  Gamma dosimetry in nuclear reactors with N_2O dosimeters, 23:50190
  Gamma dosimetry with fluorocarbons, 23:7877
  Investigations on solid state dosimeters for neutrons, 22:38105
  Polytetrafluoroethylene: dosimeter for gamma dose measurements in about 10^{11} rad, 25:42170
  Radiation induced fading as a perturbation in dosimeter glasses, 24:25309
  Use of Al_2O_3-monocrystals for non-nuclear neutron fluence measurements, 24:50639
  Volumetric gamma dose measuring system using fluorocarbons, 24:44337
JELTSCH, K. D(d Vector,p)T-reaction below 500 keV, 25:53547
  Reaction D(d,p)T with polarized deuterons below 500 keV, 24:28692
JEMMA, M. Desalination of sea-water and production of electric power, 23:49615
JEMMALI, M. Effects of gamma irradiation of wheat flour on microflora and vitamin B_1 content, 22:43500
JEMMALI, Mongi Effects of gamma radiation of spores of Aspergillus flavus on production of aflatoxin B_1, 24:17172
JEN, C.-L. Model for the s-wave pion—pion phase shifts, 25:36484
JEN, Ch'en Existence of open- and closed-form shocks in magnetohydrodynamic shock waves, 23:1245 (N-68-30732)
JEN, Chian-li Comment on current algebra beyond the tree approximation, 25:36482 (NYO-2262-TA-241)
  Dual amplitude analysis of two-particle productions, 25:40959 (NYO-2262-TA-244)
  Dual-amplitude analysis of two-particle productions, 25:50088
  Reggeon amplitude and duality sum rule, 25:53378
  Triple Regge limits and duality sum rule, 25:43570 (NYO-2262-TA-247)
JEN, Chun-hwa Separation of Th from monazite, 23:49926
JEN, Hung-tei Coulometric titration with Mo(V) for determination of Ce, Cr, and V, 22:10187
JEN, N. C. Influence of external magnetic field on MHD model of nuclear explosion, 23:49971 (AD-689110)
JEN, Norman C. Electrostatic confinement of an alkali-metal plasma, 25:56013
  Physics of quiescent plasmas, 25:1188 (AD-709230)
  Transport coefficients in a plasma with collisions by quasi-linear approximation, 23:25342 (BMwF-FBK-69-3, pp 18.1-24)
  Transport coefficients in a plasma with collisions by quasilinear approximation, 23:36679 (AD-682336)
  Transverse Kelvin—Helmholtz instability in rotating plasma, 23:48927
  Velocity space diffusion and Landau damping in collisional plasmas, 24:30364 (AD-696150)
  Visualization of plasma flutes in a Q-machine, 22:44196
JEN, Teh-sen New spectroscopic method of high-pressure arc diagnostics, 23:5393
JENA, H. Moessbauer experiments with Coulomb-excited ^{73}Ge after Coulomb recoil implantation, 22:34796
JENA, P. Role of effective mass in interpreting Knight shift in Cd upon melting, 25:33440
  Theory of hyperfine properties of beryllium and magnesium metals, 24:20005
  Theory of isotropic and anisotropic Knight shifts in Be, 22:20075
JENA, P. K. Aluminothermic reduction of molybdenum disulphide and concentrated molybdenite, 22:52148
  Aluminothermic reduction of tungstic oxide, 21:41555
  Calciothermic reduction of niobium pentachloride, 22:43548
  Chlorination of tantalum—pentoxide, 22:43556
  High purity niobium through aluminothermic reduction of niobium pentoxide, 24:44690
  High-purity niobium through aluminothermic reduction of niobium pentoxide, 23:22480 (BARC-328)

Mechanism of separation of Nb and Ta by chlorination of their mixed oxides by carbon monoxide and chlorine, 23:4710 (BARC-329)
Preparation of capacitor grade tantalum powder, 25:32657
Preparation of Nb and Ta metal powders, 22:52146
Production of tantalum metal by alumino-thermic reduction of its pentoxide, 22:28763
Reduction of molybdenum trioxide by aluminium, 22:11033
Separation of niobium and tantalum from their mixed oxides by chlorination in presence of carbon monoxide, 21:43575
JENCEK, D. Measurement of density and moisture-content of building materials, 23:47866 (NIJS-P-244)
JENCEK, L. Significance of radioactive isotopes in building structures, 25:18599
JENCKS, William P. Diffusion-controlled and concerted base catalysis in the decomposition of hemithioacetals, 24:4291
Equilibrium deuterium isotope effects on the ionization of thiol acids, 25:54566
General base catalysis of thiosemicarbazone formation, 24:2170
Mechanism and catalysis of the hydrolysis of a formamidinium compound, 22:10224
Reactions of acetylimidazole and acetylimidazolium ion with nucleophilic reagents, 25:18398
JENDRYCHOWSKA-BONAMOUR, A. M. Ionic polymerization in irradiated glasses, 23:47494
Obtaining semipermeable membranes with remarkable properties by radiochemical grafting of polytetrafluoroethylene films, 22:40146
Radiation grafting in the vitreous state at low temperature, 21:24014
JENDRYCHOWSKA-BONAMOUR, Anna-Maria Grafting of acrylonitrile and styrene onto polyvinyl chloride using high energy radiation, 23:19756
Grafting of styrene—acrylonitrile mixtures in polyvinyl chloride by the direct radiochemical method, 21:8373
Kinetics of radiochemical grafting of 4-vinylpyridine onto membranes containing poly(acrylic acid) chains, 24:13955
Radiochemical copolymerization in the solid phase, 21:8375
Radiochemical copolymerization of styrene with acrylonitrile in various media, 22:14541
Radiochemical grafting taking place by an ionic mechanism, 22:2107
JENDYK, J. Effect of lyophilization and γ irradiation on proteins, 22:52091
JENEFSKY, R. Giant-resonance excitation by radiative capture of π^- in ^{16}O, 25:5600
JENEFSKY, R. F. Unperturbed angular correlation from a low-density gaseous source, 24:52616
JENG, D. R. Unsteady MHD flow in arbitrary ducts, 24:17743
JENG, S. S. Food preservative and gamma radiation treatment of whale and horse mackerel flesh, 24:2860
JENGO, R. Asymptotic properties of wave functions and form factors of relativistic bound states, 23:7171
Axial form factors by the algebra of currents, 21:15365
Bound states in the framework of the Pade approximants, 23:19013
Compositeness as a clue for the understanding of the asymptotic behavior of form factors, 22:32117
Crossing symmetric Regge behaved amplitude, 23:8859
Current algebra, Regge poles and form factors, 24:12982
Families of sum rules from current algebra, 22:3292
High energy photoproduction without conspiracy, 22:22362
Jet model for e^+e^- annihilation into pions, 25:25378
Mandelstam representation from the partial-wave amplitudes, 24:26534
Solvable model for high-energy scattering, 25:45774
Study of the analyticity in J, 23:14997
Sum rules and dynamics, 21:11763
Validity of generalized interference models, 23:21175
JENIN, Pierre Direct conversion of gamma ray energy into electric energy, 21:46195
JENKIN, J. G. Beta end-point energy for the superallowed Fermi decay ^{14}O(β^+)^{14}N, 22:39597
ft value of superallowed Fermi beta decay /sup 26m/Al(β^+)^{26}Mg, 23:40009
Positron decay of ^{10}C and ft value of the superallowed Fermi transition ^{10}C(β^+)^{10**}B, 23:15379
Q-values of (p,n) reactions, 23:21283
Study of ^{3}He + ^{3}He elastic scattering and the nucleus ^{6}Be, 24:38084
JENKIN, L. R. Simple digital timer, 23:16194 (RISO-M-830)
JENKIN, R. D. T. Ewing's sarcoma. A trial of adjuvant total-body irradiation, 24:34556
Medulloblastoma in childhood, 24:34533
JENKINS, A. E. Conference on research in chemical and extraction metallurgy, Sydney, 2/65, 22:33518
Diffusional properties of oxygen in niobium pentoxide crystals and scales formed on niobium, 22:21766
Temperature control of encapsulated irradiation specimens, 21:19839 (CONF-660511-, pp 4.1.1-24)
JENKINS, A. R. ISOSEARCH: computer program for calculating unknown variables in reaction and decay schemes, 21:8526 (ORNL-3905)
JENKINS, Alvin L. Analysis of in-and-down scattered radiation measurements in a basement, 25:49956 (AD-721621)
Application of modified engineering method techniques to skyshine radiation measurements, 23:29116 (AD-681231)
JENKINS, Alvin W. Jr. Comparison of hydromagnetic wave propagation in magnetospheres of plane and cylindrical geometries, 24:39941
Theory of meteor-induced micropulsations, 21:25045
JENKINS, C. E. ^{55}Fe in man and cattle, 25:46768
Iron-55 concentrations in Columbia River estuarine and Pacific Ocean marine organisms, 23:49966 (BNWL-1051(Pt.2), pp 69-72)
Iron-55 in Bering and North American Pacific salmon, 23:49965 (BNWL-1051(Pt.2), pp 63-8)
Iron-55 levels in humans living in Richland, Wash., 1968, 23:50456 (BNWL-1051(Pt.2), pp 73-5)
Levels of ^{55}Fe in humans, animals, and food, 1964-1967, 23:16321
Radionuclide distribution in Alaskan Arctic ecosystem, 23:50395 (BNWL-1051(Pt.2), pp 14-17)
Radionuclide distribution in Alaskan Arctic ecosystem, 24:31881 (BNWL-1050(Pt.2), pp 1.20-3)
Radionuclide distribution in Pacific salmon, 23:45725
JENKINS, C. L. Electron transfer oxidation of alkyl radicals by copper(II) complexes, 22:45051
JENKINS, D. A. 2p $\rightarrow$ 1s pionic transition, 24:8336
2s atomic level in muonic ^{140}Ce, 25:1743
3d $\rightarrow$ 2p pionic transition in ^{58}Ni and ^{60}Ni, 24:43197
5g $\rightarrow$ 4f pionic transition in ^{232}Th and ^{238}U, 24:39849
5g $\rightarrow$ 4f pionic transition in ^{232}Th and ^{238}U, 25:49728 (N-71-16053)
Electric quadrupole transitions in muonic ^{208}Pb, 25:4953
Large-volume proportional counter, 25:32251
Muonic interactions ^{64}Zn and ^{66}Zn, 25:7820 (N-70-28737)
Muonic interactions in ^{64}Zn and ^{66}Zn, 25:14958
Neutron polarization in π^-p charge-exchange scattering at 310 MeV, 24:49328
Neutron-matter radii from an analysis of pionic atoms, 24:18452
Pionic transition in ^{138}Ba, ^{140}Ce, and ^{142}Ce, 25:2896
JENKINS, D. R. Cross sections for the quenching of excited metal atoms, 22:29289
JENKINS, Dale W. USSR and US bioscience, 22:47582
JENKINS, David A. Higher transitions in π-mesonic atoms, 21:3657
Technique for drifting lithium into germanium, 21:19904 (UCRL-17317)
JENKINS, E. C. Geologic effects of Greeley Event, 23:13895 (NTS-196)
Geologic effects of Greeley Event, Nevada test site, 23:38095 (USGS-474-12)
JENKINS, E. W. Absorption cross sections for high energy protons, antiprotons and π and K mesons on nuclei, 21:37697 (BNL-11598)
High precision 1 GeV/c spectrometer, 23:7798
K^{+-}-proton elastic cross sections at 180° from 0.41 to 0.72 GeV/c, 24:40275
Search for momentum-dependent fluctuations in pion—proton scattering near 1.04 GeV/c, 23:23384
JENKINS, Edward B. Closer look at interstellar Lyman-alpha absorption, 25:52526
Far-uv spectra of zeta Puppis and γ^2 Velorum, 23:20573
Interstellar Lα absorption in β^1, delta, and π Scorpii, 24:4872
Rocket observations of Orion stars with an all-reflective uv spectrograph, 23:5096
JENKINS, Edward Beynon Interpretation of atmospheric fluorescence signals from multi-joule cosmic-ray air showers, 21:46193
JENKINS, Evan C. Geologic report on UE20p exploratory hole, area 20, Pahute Mesa, Nevada Test Site, 23:40858 (USGS-474-15)
Geologic studies in Dry Lake Valley and Hidden Valley, Southern Nevada, 25:6427 (USGS-474-55)
Lithologic log of Pahute Mesa exploratory drill hole No. 1, Nevada Test Site, 25:8357 (USGS-474-96)
Report of exploration progress, Pahute Mesa, January 31, 1968—October 1, 1969, 24:46338 (USGS-474-70)
JENKINS, G. M. Deformation mechanism in pyrolytic C at high temperatures, 22:38624 (N-68-10216)
Effect of short-term neutron irradiation on the shear compliance of hot-worked pyrolytic graphite, 22:28966
Elastic modulus and yield curve of polycrystalline graphite, 23:16532
Interaction of glassy carbon with alkali metal vapours, 24:8167
JENKINS, H. W. Electrode potentials of several redox couples in molten fluorides, 24:13843
EMF on the U(IV)/U(III) couple in molten LiF—BeF_2—ZrF_4, 24:5655
Emf, voltammetric measurements on U(IV)/U(III) couple in molten LiF—BeF_2—ZrF_4, 23:28681 (ORO-3518-11)
Exchange current measurements on nickel—nickel(II) couple in molten fluorides, 21:17608 (ORO-3518-3)
Voltammetric and emf measurements on nickel—nickel(II) couple in molten fluorides, 21:15880 (ORO-3518-2)
JENKINS, I. L. Choice of ^{237}Np/^{238}Pu separation process, 23:26333
Conference on solvent extraction chemistry of metals, Harwell, Eng., 9/65, 22:16676
Excitation functions for the bombardment of ^{54}Fe with protons, 24:38158
Isotope production in the Harwell variable energy cyclotron, 25:15703
Preparation of ^{151}Gd for Moessbauer spectrometry of ^{151}Eu, 23:43347
Production of ^{236}Pu and ^{235}Np in Harwell variable energy cyclotron, 22:48871 (AERE-R-5790)
Separation of ^{238}Pu from irradiated ^{237}Np and from fission products, Pt. 1 and Pt. 2, 22:6364 (AERE-R-5074)
Separation of small amounts of ^{229}Th from large quantities of ^{233}U, 23:45392
Solvent extraction in the atomic energy industry, 24:9445
JENKINS, J. D. Analysis of pulsed fast-neutron spectra in multiplying assemblies, 22:14309
Daughters and Weinberg field theory, 23:34645
Fast-neutron spectrum in a poolside facility, 24:33426
Model for thermalization, 21:33850 (CONF-670707-2)
Multiple-foil spectrum measurements in a bare ^{235}U assembly, 25:41569
Primary-recoil atom spectra from ENDF/B data, 25:9573
Recoil spectra and displacement damage from ENDF/B data, 23:37748
Reggeized U(6) x U(6) x O(3) and absorption model for $\gamma p \rightarrow \pi^+ n$, 24:37701
RICE: program to calculate primary recoil atom spectra from ENDF/B data, 24:28403 (ORNL-TM-2706)
Role of fixed angular-momentum-plane branch points, with regard to t = 0 singularity structure of Reggeized scattering amplitudes, 25:47981
Thermal-neutron cross section for ^{54}Mn, 25:41215
Variational principle for the determination of pseudofundamental decay eigenvalues, 21:38209
JENKINS, J. E. Pressure-dependent transition in the behaviour of z-pinched discharges, 22:7317
JENKINS, J. H. Prog. rpt. on bioaccumulation of gamma-emitting radionuclides in white-tailed deer, annual, 2/70—1/71, 25:18935 (ORO-3905)
JENKINS, J. L. ^{237}Pu production by ^{238}U(γ,2n) reaction, 25:54674
JENKINS, James Douglas Application of variational methods to the pulsed neutron problem, 22:29854
JENKINS, James H. Comparison of fallout ^{137}Cs accumulation and excretion in mammals, 23:18017 (CONF-670503-, pp 623-6)
JENKINS, Jane O. Effects of roentgen radiation on glycogen metabolism of the rat brain, 21:6705
JENKINS, John Bruner Jr. Mutagenesis at a complex locus in Drosophila with the monofunctional alkylating agent: ethyl methanesulfonate, 23:9923
JENKINS, K. Computer-control for the Maryland cyclotron, 23:28149
JENKINS, K. D. Generation and injection of heavy-ions into cyclotrons, 25:31132
Univ. of Maryland isochronous cyclotron, 23:28034
JENKINS, M. S. Pseudophase behavior in praseodymium oxide—oxygen system, 25:766 (CONF-700403-(Vol.1), pp 181-92)
Thermodynamic and x-ray diffraction behavior of a widely nonstoichiometric region of the praseodymium oxide system, 25:22187
JENKINS, Mansel John Manufacture of graphite, 22:41094
JENKINS, Michael S. Prog. rpt. on solid state chemistry of rare earth oxides, annual, 7/66—7/67, 21:45070 (COO-1109-25)
Prog. rpt. on solid state chemistry of rare earth oxides, 1967—68, 22:42650 (COO-1109-35)
Prog. rpt. on solid state chemistry of rare earth oxides, annual, 1968—69, 23:43287 (COO-1109-46)
Thermodynamic behavior of praseodymium oxide system, 23:8298 (CONF-681020-(Vol.1), pp 163-73)
JENKINS, Myrna DNA-cellulose chromatography. I, 23:48275
JENKINS, O. G. Mechanical elements operating in sodium and other alkali metals. II, 24:33838 (LMEC-68-5(Vol.2))
JENKINS, R. Isotope excitation in on-stream analysis, 25:37335
JENKINS, R. A. Selective extirpation of oral ciliature of Blepharisma by laser microbeam, 25:11322
JENKINS, R. G. Fabrication and properties of seamless tungsten tubing, 21:9110
JENKINS, R. M. Use of thermoluminescent dosimeters in high energy health physics, 23:2665 (SLAC-PUB-500)
JENKINS, R. T. Methods of planning generating unit operation, 25:18068
Probabilistic model for estimating the operating cost of an electric power generating system, 25:60280 (ORNL-TM-3549)
JENKINS, R. W. Latitude and altitude dependence of the cosmic-ray albedo neutron flux, 24:45068
JENKINS, R. W. Jr. Analysis of tobacco and tobacco smoke by neutron activation, 25:39463
JENKINS, Robert G. Fabrication of tungsten and tungsten—25 percent—rhenium tubing, 21:11202
JENKINS, Robert W. Cosmic-ray daily variation at different elevations, 24:21623
Cosmic-ray neutron monitor for OGO-F, 23:48766
JENKINS, T. L. Electron antineutrino interaction with deuterons, 23:39600 (COO-1749-9)
Electron antineutrino interaction with deuterons, 24:8559
Neutrino experiments at reactors, 23:46598 (UCI-10-P-19-9)
Prog. rpt. on high energy accelerator physics and low level counting elementary particle physics, 10/70—9/71, 25:40855 (COO-1749-22)
Prog. rpt. on high-energy accelerator physics, annual, 10/67—9/68, 22:41741 (COO-1749-5)
Prog. rpt. on high-energy machine physics, annual, 10/1/66—9/30/67, 22:5487 (COO-818-103)
JENKINS, T. M. Beam safety considerations at the stanford linear accelerator center, 24:45648 (CONF-691101-, pp 782-808)
Beam-safety considerations at the Stanford Linear Accelerator Center, 25:7788
Effect of target scattering on the shielding of high-energy electron beams, 22:31895
Effect of target scattering on the shielding of high energy electron beams, 23:34701
Photonuclear reactions in iron and aluminum, 24:52528
Yields of radionuclides in thin iron targets bombarded with 40-MeV to 16-GeV electrons, 25:45963
JENKINS, T. R. Development of graphite (HX30) with improved gas diffusional characteristics, 22:45822
Development of HX30 graphite, 24:41006 (DP-Report-348)
Properties of fine-grained graphites, 24:42205 (NP-10479)
JENKINS, Thomas L. High energy accelerator physics and low level counting elementary particle physics, 24:42858 (COO-1749-18)
Prog. rpt. on high energy accelerator physics and low level counting elementary particle physics, 10/68—9/69, 23:39601 (COO-1749-11)
JENKINS, V. K. Differences between exogenous and endogenous hemopoietic spleen colonies, 24:27700
Effects of estradiol on splenic repopulation in irradiated mice, 25:4471

Viral, chemical and radiation-induced myeloid and lymphoid leukemias in RF mice, 21:22681
JENKINS, W. Activation analysis with standards containing two or more active nuclides, 23:2219
Rapid determination of ^{233}Pa, 22:7985 (AERE-AM-105)
JENKINS, William D. Tensile deformation of vapor-deposited copper reinforced with tungsten wires, 25:24576
JENKINSON, Doris Audrey Method and apparatus for determining mean size particles in a fluid, 24:36636
JENKINSON, G. F. Strip-chart to punched tape translator, 22:38144 (NP-17501)
JENKINSON, H. A. Importance of standardisation in the lead shielding industry, 24:29929
JENKINSON, John Norman Improvements relating to steam generators, 24:25167
JENKINSON, P. Review of physics measurements at Calder and Chapelcross, 21:27761
JENKO, M. Dowex resin labeled with /sup 113m/In for lung scanning, 25:37708
JENKOVSKII, L. L. Construction of the crossing-symmetrical amplitude using a Veneziano-like quasipotential, 25:47839
Dual amplitude with Mandelstam analyticity, 25:36492
JENKOVSZKY, L. Possible decuplet of $^{5}/_{2}{}^{+}$ baryon resonances, 22:44440
JENKOVSZKY, L. L. Dual resonances models. I, 25:9887 (ITF-70-43)
JENKS, G. H. Electrochemistry of uranium and uranium-alloys in aqueous solutions, 25:39996 (ORNL-4651)
Prediction of radiation effects on reactor water and solutions, 21:5925
Solubility of Fe_3O_4 in dilute acid and base solutions, 23:35077
Solubility of Fe_3O_4 in dilute acid and base solutions to 300°C, 23:49769 (ORNL-TM-2667)
Water chemistry in pressurized and boiling water power reactors, 22:3844 (ORNL-4173)
JENKS, Richard D. Automatic general solutions to all-integer inequalities, 22:22890 (BNL-12279)
JENKS, Robert Leroy UBV photometry of DQ Cephei, 21:46119
JENNE, E. A. Gold content of natural waters in Colorado, 25:29015
JENNEKENS, J. H. Recent developments in international safeguards, 24:450
JENNER, David C. Dust across Maffei 1, 25:24816
JENNER, David Charles Supergiant galaxies with multiple nuclei, 25:38111
JENNER, E. Influence of x whole-body irradiation on incorporation of 2-^{14}C-glycine in rats, 22:28675
JENNESS, R. G. Manipulator maintenance program at ORNL, 21:6116
JENNETTE, Robert L. Size effects in three dimensional Ising lattice, 25:57241 (NYO-1480-179)
JENNI, H. P. Grooved metallic seal for helium pressure vessel, 21:14366
Peep holes packed with labyrinthine metallic joints: problem connected with the construction of nuclear reactors, 22:1891
JENNINGS, A. Ray Laboratory evaluation of selected radioisotopes as groundwater tracers, 22:49038
JENNINGS, A. S. Performance of centrifugal mixer—settler in the reprocessing of nuclear fuel, 22:8250 (DP-MS-67-71)
Performance of centrifugal mixer—settler in reprocessing nuclear fuel, 24:9566
JENNINGS, B. Evaluation and results from ^{60}Co simulated disk source-shield streaming measurements, 25:40749
JENNINGS, B. R. Immunosuppressive effects of actinomycin D and radiation, 23:50371
Prog. rpt. on effects of radiation and drugs on antibody formation and allergy, 12/1/65—8/10/66, 21:6613 (ORO-3489-1)
Prog. rpt. on effects of radiation and immunosuppressive drugs on antibody formation and allergy, 12/65—8/66, 21:10726 (ORO-3489-2)
Prog. rpt. on effects of radiation and immunosuppressive drugs on antibody formation and allergy, 12/66—8/67, 21:45784 (TID-23956)
Prog. rpt. on effects of radiation and immunosuppressive drugs on antibody formation and allergy, 12/67—8/68, 23:2743 (ORO-3489-5)
Prog. rpt. on effects of radiation and immunosuppressive drugs on antibody formation and allergy, 9/68—11/69, 24:39443 (TID-25446)
JENNINGS, Buford Laser destruction of chemically induced hepatomas, 22:4675
JENNINGS, C. David Sediment radioactivity in Columbia River estuary, 23:18006 (CONF-670503-, pp 300-6)
JENNINGS, Charles David Iron-55 in Pacific Ocean organisms, 23:6482
JENNINGS, D. M. Uhf radio pulses from the zenith associated with extensive air showers, 23:42006
JENNINGS, E. A. Evaluation of irradiated wood—plastic combinations for use as gun stocks, 21:45305 (AD-640660)
JENNINGS, Elizabeth A. Flame emission spectrometric method for niobium in steels, 23:37888
JENNINGS, F. W. Anaemias associated with helminthic infections, 24:12189
Failure of x-irradiated Haemonchus larvae to immunize young lambs, 21:22659
Relation between age and successful vaccination with irradiated Haemonchus larvae, 21:24563
JENNINGS, H. K. Computer control of Van de Graaff accelerator vacuum systems, 25:25595
JENNINGS, J. C. E. Measurement of scattering angle in electron beam spectrometer, 24:25336
JENNINGS, J. E. Maps of the distribution of polarization in five radio sources at 21.1-cm wavelength, 25:7022
JENNINGS, K. R. Decomposition of benzene and deuterated benzenes under electron impact, 21:28021
Ion cyclotron resonance mass spectrometry, 24:49077
Progress in reaction kinetics. III, 22:4145
JENNINGS, Mark Mean velocities of binaries in the Perseus arm, 24:42471
JENNINGS, Mark C. Intrinsic polarization in K and M giants and supergiants, 25:35611
Observations of an unusual cold cloud in the Galaxy, 23:44131
Wilson—Bappu technique applied to moderate-dispersion spectrograms, 25:16635
JENNINGS, P. J. Electron diffraction at crystal surfaces. IV, 25:27256
JENNINGS, P. P. A mass spectrometric study of the neutral and positive ionic species involved in carbon deposition from r. f. discharges in carbon-containing gases, 23:7518
Review of mass spectrometric studies related to graphite corrosion in Magnox and AGR systems, 23:20560 (RD/B/N-1178)
JENNINGS, R. E. Brightness temperature of Sun in range 65 to 180 cm^{-1}, 25:49648
Energy loss and straggling of 28-MeV electrons, 24:35150
Enhancement in $I = 0$ $\pi^+\pi^-$ system at 1085 MeV, 22:17867 (RPP/H-33)
Observation of enhancement in $I = 0$ $\pi^+\pi^-$ system at 1085 MeV, 22:15685
JENNINGS, R. L. Recoil bromine reaction. The isomerization of excited cyclopropyl bromide, 25:54690
JENNINGS, T. A. Gas phase anodization of tantalum, 22:621
JENNINGS, T. E. Experience with impurities in a large sodium circuit, 21:30389
JENNINGS, Thomas A. Sputtering due to negative oxygen ions in oxygen discharges, 22:11214
JENNINGS, W. Alan Service calibration of absorbed dose, 23:50499
JENNINGS, W. C. Prog. rpt. on instabilities and turbulence in highly ionized plasmas in a magnetic field, semiannual, 3—8/70, 25:43385 (N-71-12892)
Prog. rpt. on instabilities and turbulence in highly ionized plasmas in a magnetic field, semiannual, 9/70—2/71, 25:56196 (N-71-25028)
Radial density profile and critical magnetic field for helical instability in hollow plasma, 21:44139
Radial profile of the perturbation density for the helical instability in a positive column, 22:26437
JENNINGS, W. G. Determination of aroma compounds as an index of pear maturity, 21:22836
JENNISON, E. Fission gas collection and trace gas analysis, 24:26989
JENNISON, R. C. Comments on the Rees mechanism, 25:38080
JENNISON, Roger C. Introduction to radio astronomy, 22:15323
JENNISON, W. Measurement of Kr and Xe fission product retention in irradiated fuel elements, 21:15834 (TRG-Report-1382)
JENNRICH, Carleton Eugene Compact master-slave manipulator, 22:27986
JENNY, M. Body composition of hyperthyroid patients, 23:41207
JENQUIN, U. P. A preliminary design for a Phoenix fueled HFIR reactor, 24:52959 (BNWL-1504)
An analysis of some uniform lattice temperature coefficient experiments, 23:4340
Analysis of plutonium fueled light water reactors, 21:19347 (BNWL-SA-926)
Phoenix fuel evaluation in a maritime reactor design, 23:2096 (BNWL-851)
Physics survey calculations for a PuO_2—UO_2 fuel in idealized H_2O power reactors, 21:5603 (BNWL-305)
Sensitivity of reactivity characteristics to cross section uncertainties for plutonium-fueled thermal systems, 22:20782 (BNWL-SA-1501)
JENS, W. H. Fuel melting incident at the Enrico Fermi Atomic Power Plant, 22:16183
Major contributions from EBR-II, SEFOR, and Fermi, 25:39264 (A/CONF.49/P-47)
Malfunction detection in fast reactors, 22:53370
Status of Fermi plant, 25:48160
JENS, Wayne H. Behavior of Fermi fuel assemblies in high thermal gradients, 24:33181
Fermi reactor fuel damage incident, 22:53369
Reinforced ceramic fuel elements, 21:11289
Review of Fermi reactor fuel damage incident and preliminary assessment of significance to design and operation of sodium cooled fast reactors, 22:30205
JENSCHKE, B. Parity mixing in ^{181}Ta and ^{175}Lu, 25:17800
Parity mixing in the 501 keV gamma-transition in ^{180}Hf, 24:22153
Search of parity mixing in ^{181}Ta by measurement of circular polarization of γ rays, 24:30753 (KFK-1116)
JENSEN, A. Nordic studies on prestressed concrete pressure vessels for water reactors, 25:54070 (A/CONF.49/P-307)
JENSEN, A. S. Anatomy of Hartree—Fock procedure in simple model, 25:36819
Coulomb distortion in heavy-ion reactions, 25:3720
Dependence of Hartree—Fock solutions in sd-shell nuclei on spin-dependent forces, 25:59878
Dynamical distortion of nuclei in heavy ion reactions, 25:50844
JENSEN, B. A fast mechanical beam stop and other auxiliary beam control equipment, 21:33833
Improved variable width double slit, 23:20066
Multipurpose target chamber, 25:33927
JENSEN, Bror Skytte Separation-factor for the extraction of Th^{4+} and $UO_2{}^{2+}$, 24:9482
JENSEN, C. A. He and H^- 1^1S and 2^1S states computed from Feynman path integrals in imaginary time, 25:9177
Monte Carlo evaluation of Feynman path integrals in imaginary time, 24:20029
JENSEN, C. J. Mutations for the monogerm seed character in beet induced by pollen irradiation, 21:16326
Spike bursts during the type-IV event of February 5, 1965, 21:16777
JENSEN, Carl Guide for industrial hygiene codes or regulations for laser installations, 24:39510 (NP-18246)
JENSEN, D. Design and performance of 1.5 m^2 wire spark chambers, 22:40464
JENSEN, D. A. Crossed-wire spark chamber with remote core readout from both electrodes, 21:16193
Energy shifts and intensity ratios in the muonic x-ray spectra of the $^{206\ 207\ 208}$Pb isotopes, 21:3647
Precise determination of K/sub L/—K/sub s/ mass difference by gap method, 24:51962
Precise measurement of the parameter delta governing the decay spectrum of polarized muons, 21:2358
Precise measurements of muonic isotope shifts for 29 nuclides, in particular, for the Ca isotopes 40, 42, 44, and 48, 21:29995
Relative phase of the K/sub L/ $\rightarrow \pi^+\pi^-$ and K/sub S/ $\rightarrow \pi^+\pi^-$ decay amplitudes, 23:44587
JENSEN, D. D. Prog. rpt. on radiotracer studies on the mechanism of insecticidal toxicity, annual, 1—12/70, 25:34486 (UCB-34-P-113-6)
JENSEN, D. R. Determination of the quality of multipole magnets, 21:29673 (SLAC-PUB-313)
Establishment of precise magnetic fields in the momentum analyzing system at SLAC, 21:38051
Parameters that affect the accuracy and setability of a magnetic field in an iron core electromagnet, 21:31666 (SLAC-PUB-321)
JENSEN, Deanna F. Separation of several rare earths by extraction chromatography using bifunctional phosphine oxides, 22:16665
JENSEN, E. Irradiation experience with first UO_2 Al clad fuel assembly tested in HBWR, 22:44824 (HPR-100)
Irradiation experience with UO_2 Al clad fuel element tested in HBWR, 21:14790 (KR-112)
Wilson effect and the transparency of sunspot models, 24:3107
JENSEN, E. D. Effect of O/M on irradiated mixed-oxide stainless-steel cladding compatibility, 25:40110
JENSEN, Eberhalt Prog. rpt. on solar physics research, annual, 1/31/66, 21:535 (AD-632171)
JENSEN, F. Oncogenicity by DNA tumor viruses, 21:36773
Production of x rays, 22:51659
Transformation of African green monkey kidney cells by irradiated adenovirus 7-simian virus 40 hybrid, 22:45731
JENSEN, F. C. Absence of repressor in SV_{40}-transformed cells, 23:33913
JENSEN, F. Palmgren Measurements on silicon implanted with channeled and nonchanneled dopant ions, 22:26490
JENSEN, G. Argonne reactor computation system, ARC, 23:47340 (CNM-R-2(Vol.3), pp 1428-45)
JENSEN, G. C. ANL-CANDID: two-dimensional, diffusion-theory code, 22:15914 (ANL-7305)
JENSEN, Gary Richard Homogeneous Einstein spaces, 23:30822
JENSEN, Gordon F. Existing structures evaluation. III, 24:25247 (AD-701088)
JENSEN, H. Quantum mechanics with constraints, 25:38624
JENSEN, H. B. Reactions in ^{60}Co irradiation of pyridine and methylpyridines, 23:9478
JENSEN, H. Burkal Proton pickup from ^{45}Sc, 23:25884
JENSEN, H. F. Chemical cleaning of N Reactor secondary piping, 22:15142 (DUN-SA-45)
Evaluation of a plastic foam magazine for handling nuclear fuel, 22:26037 (CONF-660706-, pp 91-103)
Noble gas confinement studies. Quarterly report, October—December 1969, 24:38560 (DUN-6653)
Prog. rpt. on noble gas confinement study, final, FY-1970, 25:29074 (DUN-7221(Vol.1))
JENSEN, H. Hoejgaard Particle aspects of phonons, 23:42582
JENSEN, H. J. Nuclear test instrumentation with miniature superconductive cables, 22:47412
JENSEN, H. Kaalund Normal plasma cortisol values determined by a double isotope derivative technique, 25:8585
JENSEN, Harald Production of free radicals in organic solids by thermal hydrogen atoms, 23:45672
JENSEN, Herluf Quantitation of gastrointestinal protein loss by means of ^{59}Fe-labeled Fe dextran, 23:26680
JENSEN, J. Odd parity states in ^{239}Pu, 25:12594
JENSEN, J. C. Alphameric displays in nuclear reactor computations, 25:6202
Data management for multiaccess computational systems, 23:38348 (CONF-690401-, pp 471-80)
JOSHUA terminal system, 25:34421 (TID-25691)
JOSHUA terminal system, 25:57145 (CONF-710302-(Vol.1), pp 508-15)
JOSHUA: reactor physics computational system, 23:40438 (CONF-690401-, pp 324-36)
JENSEN, J. C. Balling Bibliography on dispersion-strengthened materials, 1965, 22:17117 (RISO-48(Suppl.3))
JENSEN, J. D. Feasibility study of probe-type liquid metal flowmeters for FTR subassemblies, 23:20038 (BNWL-911)
Locating radio wastes, 23:38364
Radioactive waste location via infrared scanning techniques, 23:2547
Radioactive waste location via infrared scanning techniques, 23:24413 (BNWL-SA-1952)
Remote position measurement using laser optics, 25:6222 (BNWL-SA-3335)
Wide-angle infrared radiometer for radioactive waste monitoring, 22:38137 (BNWL-773)
JENSEN, J. E. Refrigerator for Brookhaven 80-inch liquid hydrogen bubble chamber, 21:34480
JENSEN, J. H. D. Disintegration of heavy nuclei at elevated temperatures, 22:35368
JENSEN, J. O. Homogeneous models for Population I and Population II compositions, 24:23619
Homogeneous stellar models, 24:37024

JENSEN, J. T. High temperature indirectly heated cathode structure, 21:34537
JENSEN, J. W. Reaction of Co—Ni—V alloys with O_2 at 1,351° to 1,429°K, 24:21339 (BM-RI-7371)
  Reaction of W—Co alloys with O, 21:36780 (BM-RI-6998)
JENSEN, James Darrell Magnetic field induced surface states in metals and semimetals, 24:15406
JENSEN, James Leslie Reversible hydration of aminostyrenes, 23:4595
JENSEN, John A. Jr. Prog. rpt. on shear fracture in zirconium and its alloys, annual, 8/69, 23:46043 (MIT-3635-4)
JENSEN, K. Experimental study of beam—gas collisions. I, 25:16808
  Experimental study of beam—gas collisions. II, 25:16809
  Isotopical effects in atomic collisions, 25:47335
  Molecular orbital model for beam—foil interaction process, 25:16757
JENSEN, K. E. Lindstroem Development and verification of nuclear calculation methods for light-water reactors, 25:25967 (RISO-235)
JENSEN, L. Semiautomatic readout for multiple microscope systems, 24:9722
JENSEN, Lin C. Serum-lipoprotein distribution and protein analysis by refractometry, 21:12290 (UCRL-16898, pp 64-71)
JENSEN, M. Computer-controlled system for measuring bubble chamber and spark chamber film, 22:23322 (SLAC-81)
JENSEN, M. A. Enhanced superconductivity in layered metallic films, 23:1310
  NMR results for singlet ground state of Fe in Cu, 22:26520
  Superconductivity in transition metals: theory and experiment, 23:27561
  Superconductivity, susceptibility, and specific heat in noble transition elements and alloys. II, 22:11384
  Superconductivity, susceptibility, and specific heat in the noble transition elements and alloys. I, 22:11383
JENSEN, M. Anthony Relationship between the spin susceptibility enhancement and the superconducting transition temperature, 21:20894
  Superconductivity in transition metals: phonons and spin fluctuations, 23:51560
JENSEN, M. Scharling Late results following radiotherapy of skin cancer, 23:38828
JENSEN, Margrethe Investigations on methods of producing crystalline ammonium—uranyl carbonate and its applicability for production of uranium-dioxide powder and pellets, 22:2034 (RISO-153)
JENSEN, Mark SLAC spiral reader project, 23:11849 (SLAC-PUB-529)
JENSEN, Mead LeRoy Carbon, oxygen, and sulfur isotopes and the origin of sandstone-type uranium deposits. Final report, 25:34750 (COO-2024-1)
JENSEN, P. Crystal structure of $Nb_3Sb_2Te_5$, 21:41692
JENSEN, P. A. Scintillation techniques in soil-moisture and density measurements, 22:23346
JENSEN, P. K. High-altitude radiological instrumentation system, 22:28181
JENSEN, P. Steen Electronic device for adjustment and control of ionization chambers, 22:30823 (RISO-M-678)
JENSEN, R. C. Photofission of ^{209}Bi, 22:48538
JENSEN, R. G. Hydrology of National Reactor Testing Station, Idaho, 1966, 22:2192 (IDO-22049)
  Prog. rpt. on hydrology of NRTS, annual, 1965, 21:19758 (IDO-22048)
JENSEN, R. J. Monticello Station, 23:28399
  Reactor pressure vessel gets field assembly, 23:43070
JENSEN, R. T. Emergency core spray cooling performance, 22:24964 (IDO-17249)
  Emergency-core-cooling heat transfer and fluid flow, 23:37571
  Experimental results of reactor system blowdown and core heat transfer tests, 23:15653 (CONF-680832-6)
  Experimental results of the Fuel Heatup Simulation Tests (FHUST): emergency core cooling test series, 25:1897 (IN-1390)
  Fuel heatup simulation tests: FHUST, 23:28519 (IDO-17258-F)
JENSEN, Richard Photosynthesis of carbon compounds, 21:3395 (UCRL-16806, pp 25-30)
JENSEN, Roland J. Steel-shell containment vessel with concrete shield building, 22:32868
  Utility application of the molten salt breeder reactor, 24:18597
JENSEN, Ronald P. Rapid reaction rates in a uranyl ion hydrolysis equilibrium, 21:40843
JENSEN, Rue Pathogenesis of radiation-induced retinal dysplasia, 25:24349
JENSEN, S. E. Parametric studies of fuel pin temperature response, 23:19581 (IDO-17295)
JENSEN, S. J. K. ESR spectra from paramagnetic centers in irradiated $KClO_4$. I, 21:9665
  ESR spectra from paramagnetic centers in irradiated $KClO_4$. III, 24:37540
JENSEN, T. H. Measurement of velocity space diffusion using the plasma wave echo, 23:39471
  Model for plasma confinement time in stellarators, 23:25288
  Perturbation in the electron velocity distribution, 23:32522
  Plasma confinement in dc octopole, 24:10504
  Turbulent heating of plasma in a mirror, 22:3007
  Turbulent heating of plasma in a mirror, 22:41542
JENSEN, Torkil H. Linear and nonlinear theory for waves in a plasma column in a strong magnetic field, 24:35508
  Parameter studies for Tokamaks and Doublets, 25:17131
JENSEN, Ulla Bibliography on dispersion-strengthened materials, 1965, 22:17117 (RISO-48(Suppl.3))
JENSEN, V. O. Collisionless electrostatic shocks, 24:21701
  Continuous supersonic plasma wind tunnel, 22:50195
  Continuous supersonic plasma wind tunnel, 23:23189
  Double-humped ion velocity distribution function in single-ended Q machine, 24:23968
  Effects of ion—atom collisions on the propagation and damping of ion-acoustic waves, 22:31850
  Experimental investigation of axial plasma injection into a magnetic dipole field, 22:13481
  Influence of a grid on the plasma in a single-ended Q-machine, 24:8459
  Influence of biased grid on plasma in Q machine, 24:26267
  Interaction between plasma ions and grid-excited pulses in a Q machine, 24:45240
  Ion-velocity distribution function in a single-ended Q machine, 25:19670
  Wave—particle interaction in single-ended Q machine, 25:27693
JENSEN, W. G. Energy in Europe, 1945—1980, 22:14222
  Nuclear power, 23:31137
JENSEN, W. L. Use of FLASH-2 to evaluate ECC performance, 24:33350
JENSEN, Wallace N. Microincision of sickled erythrocytes by a laser beam, 21:14745
JENSIK, Robert J. Ultrastructure of canine alveoli after supervoltage irradiation of the thorax. I, 21:16494
JENSON, David W. Some experiences with pulse height analysis using a disk, 24:16919 (UCRL-19402)
JENSON, Evan D. Thermal and radiolytic reactions of coolant impurities with graphite in an HTGR, 25:51073
JENSON, Norman C. 200-megacycle synchronous-start gated oscillator, 21:19995 (UCRL-14559)
JENSSEN, S. K. Equipment for cooling of the fuel in a nuclear reactor, 23:19592
JENSSEN, Sverre K. Fuel assembly, 22:25190
JENTGES, H. Experimental results on acoustic detection of sodium and water boiling, 25:37052
JENTSCH, W. Electronic improvements of particle resolving power, 23:26611
  Particle discrimination at low energies, 23:17767
JENTSCHKE, W. Experimental programme at CERN intersecting storage rings, 25:20158
  Recent experiments at DESY, 21:29421
  Some recent experiments at DESY, 23:23330
JENTSCHKE, Willibald Deutsche Elektronen-Synchrotron (DESY): characteristics and research possibilities, 22:20394
JENTYS, W. Radiological treatment of carcinoma of uterine cervix, 21:36639
JENTZSCH, K. Muonic x-ray measurements with a high-pressure gas target, 25:55830
JEONG, M. U. Annealing behavior of bulk n-GaAs irradiated by electrons, 25:59156
JEONG, Manu Annealing of P-doped Ge irradiated by electrons at 77°K, 24:18028
  Effects of electron irradiation on photoluminescence of n-GaAs, 25:36274
JEPPESEN, F. Regional cerebral blood flow, 25:11143
JEPPESEN, F. I. Regional cerebral blood flow, 24:12168
JEPPESEN, P. Lymph node scanning with radioactive Au, 25:26851
JEPSEN, R. L. Production of high-energy neutral atoms by scattering of ions at solid surfaces, 22:52546
JEPSON, James O. Preparation of plutonium, 23:28850
JEPSON, K. S. Titanium, beryllium, and the refractory metals in the aircraft industry, 21:43571
JEPSON, W. B. Corrosion of light metals, 22:4748
JEPSPERSEN, R. A. Spin analysis of $p\pi^+\pi^-$ enhancements in pp interactions at 22 GeV/c, 24:12946
JEQUIER, R. Pharmacologic study of a new anti-inflammatory analgesic compound, glaphenine, 23:852
JERABEK, J. Personal monitoring of workers during the translocation of a ^{90}Sr—^{90}Y beta source by aid of TLD, 25:42444
JERCAN, Elena Concentration and separation of uranium with ion-exchange resins, 24:27199
JERDE, R. L. Balloon x-ray astronomy, 21:39791
JERDE, Roderick L. Effects of high energy radiations on noise pulses from photomultiplier tubes, 21:43316
JEREMIAH, L. E. Indices of chemical composition in live ovines and their carcasses, 23:22208
JEREMIE, H. Accelerator for studying the reaction $^3H(t,\alpha)2n$, 23:52095
  Breakup of ^{8}Be, 25:59735
  Final-state interaction in the $^3H(t,\alpha)2n$ reaction, 24:47561
  Neutron—neutron angular correlation in reaction $^2H(n,p)2n$ at 14.1 MeV, 22:35215
  Reaction $^2H(p,2p)n$ between 5 and 10 MeV, 23:39935
  Three-body break-up in reaction $^7Li(d,n)\alpha\alpha$, 22:5771
JEREMY, Ross Acute psoas bursitis and unusual joint cysts in rheumatoid arthritis, 24:21241
  Investigation of bone and joint disease using ^{18}F, 23:38699
JERGEL, M. Anisotropy of Nb_3Sn superconducting tape and effect on performance of magnets, 24:42627
  Effect of forced circulation on heat transfer with liquid helium in narrow channels, 25:1140
  Heat transfer to liquid helium in narrow channels with laminar and turbulent flow, 24:45201
JERGER, E. W. Environmental problems of fallout shelters, 25:54933
JERICIJO, Marija Effect of gamma-irradiation on proteinases in rat thymus, 21:36485
JERINA, D. Intramolecular migration of tritium and deuterium during nonenzymatic aromatic hydroxylation, 21:30487
JERKINS, E. ALPHEUS: the active-waste plant for the Institute of Atomic Physics, Bucharest, 24:46460
  Fuel handling equipment for Dungeness 'B', 23:37393
  Nuclear waste processing plant for Rumania, 24:5851
JERKINS, E. E. Fuel-handling equipment for Dungeness B, 24:52776
JERKINS, Ernest Edward Improvements in or relating to nuclear reactors, 21:19421
JERKO, David A. Constant velocity drive for Moessbauer effect analyzer, 23:686
JERKUNICA, J. M. Magnitude of secondary β-deuterium isotope effects in cases of α-participation, 23:4628
  Secondary deuterium isotope effects, 22:12324
JERKUNICA, Josko M. Secondary deuterium kinetic isotope effects in acetolysis of 2-norbornyl-6-d brosylates, 21:19646
JERMAKIAN, A. Construction of the guide field for a low inductance air-core plasma betatron, 22:5694
  Intrusion of plasma into a model magnetosphere, 21:7120
JERMAN, Ralph B. In-core sampling and spray device for nuclear reactors, 21:10180
JERMOLAJEW, N. P. Properties of U in progressive metamorphosis and ultrametamorphosis, 22:27935
JERMY, T. Controlling the cockchafer by sterile male technique, 23:2914
  Genetic control experiments on the bean weevil, 25:29749
  Sterile-male technique studies in Hungary, 24:32304
JERMY, Tibor Radiation autocide method, 23:43934
JERNER, R. Craig Effect of surface oxidation on the thermionic work function of beryllium, 24:25709
JERNIGAN, E. D. Applications of radioisotopes to industrial and aerospace measurements, 25:44554
JERNIGAN, Ernest D. Jr. Angle of attack indicator using a radioactive source and detector, 25:23885
JERNIGAN, M. C. Comparison of 60-MeV protons and 300-kVp x-rays for induction of lens opacities in RF mice, 24:51050
JERNIGAN, T. Anomalous plasma transport produced by magnetic field errors, 25:33261
  Effect of a toroidal field on plasma transport in a magnetically perturbed multipole, 25:43335
  Plasma injection, heating, confinement, and losses in multipole structures, 25:38324 (CONF-710607-2)
JERNOW, S. K. Improved theoretical cross section for polyethylene, 24:6813
  Improved theoretical cross section for polyethylene, 24:15758 (KAPL-P-3860)
JERNOW, Stanley Asymptotic fields of the Lee model, 23:46814
  Castillejo—Dalitz—Dyson poles and asymptotic fields, 21:42440
JERNOW, Stanley Kenneth Castillejo, Dalitz, and Dyson poles and asymptotic fields, 22:9685
JEROME, D. Hexagonal phase of ytterbium under pressure, 25:47140
  Hydrostatic pressure apparatus for electrical measurements up to 17 kilobars at very low temperature, 25:39381 (LA-tr-71-45)
  Study of ytterbium and ytterbium—barium alloys under high pressure at low temperature, 25:30674
  Ytterbium under pressure, 25:25231
JEROME, D. L. Pre-operative radiation in head and neck cancer, 21:14731
JEROME, D. Y. Application of nuclear isomerism for nondestructive determination of certain elements by activation with photons at 4 to 8 MeV, 22:27589
JEROME, Dominique Y. Instrumental neutron activation analyses of lunar specimens, 24:20730
JEROME, J. A. Test of double-Regge behavior of generalized Veneziano model, 25:9797
JERONYMO, J. M. F. Decay scheme of ^{118}In, 24:11007
  Decay scheme of ^{79}As, 24:5403
  Decay schemes of ^{91}Mo and /sup 91m/Mo, 25:10057
  Gamma rays from decay of ^{123}Sn (41 min) and the structure of low lying levels of odd mass Sb isotopes, 22:27173
  Level scheme of ^{123}Sb, 22:35342
  Low-lying levels in the odd-mass isotopes of antimony, 22:44717
JERPHAGNON, J. Optical nonlinear susceptibilities of beryllium oxide, 25:30666
JERRAM, K. Fatigue of welded pressure vessels, 24:25242
JERRELL, M. E. Beta decay of ^{40}Cl and levels of ^{40}Ar, 25:5614
JERRI, A. J. Application of some interpolating functions in physics, 24:20023
JERRY, Norman L. Quantity dipping and processing of radioautographic slides, 22:36190
JERSAK, J. Algebra of currents on the light cone, 23:15013
  Highly virtual photons and light-cone singularities of electromagnetic current commutator, 25:25379
  Light-cone commutators and high energy annihilation $e^+ + e^- \rightarrow \pi +$ hadrons, 25:19941
  Relativistic non-invariance symmetries generated by local currents, 23:3789
  Wave functions of unstable particle, 22:1393 (JINR-E2-3470)
  Wave functions of unstable particles, 24:10774
JERSAK, Jiri Properties of unstable particles, 24:15576
JERUSSI, Robert A. Selenium dioxide oxidation of 5 α-androstane-3,17-dione, 21:3048
JERVIS, H. R. Absorption of iron following x-irradiation of the exteriorized small intestine, 23:33644
JERVIS, Helen R. Effect of neutron-gamma radiation on the morphology of the mucosa of the small intestine of germfree and conventional mice, 25:32556
  Mucosa of exteriorized small intestine of rat exposed to x-radiation, 23:31958
  Radiation lesions in rat small intestine, 22:28656
JERVIS, M. W. Instruments—computer interface problems in CEGB nuclear power stations, 23:31132
  On-line computers in CEGB nucleaf power stations, 23:40308
JERVIS, R. E. Activation analysis applications to public health problems, 25:39453
  Activation analysis in forensic science, 23:4579
  Applications of high-resolution Ge(Li) gamma spectrometry in criminalistics, 22:30850
  Chromatographic group separation with gamma spectrometry for activation analysis, 23:4543
  Continuous activation analysis of dilute solutions, 24:59
  Factors involved in on-stream trace activation analysis, 24:41239
  Forensic activation analysis applications, 24:31282

Industrial applications of radio-active tracers and small radiation sources, 22:23232
Isotopic exchange reactions in nitrogen oxides, 24:16531
Kinetic isotopic exchange studies of metal ion substitution in EDTA chelates. II, 21:10358
Kinetic isotopic exchange studies of metal ion substitution in EDTA chelates. I, 21:10357
Kinetics of ion exchange, 24:18940
Neutron activation typing of seizure heroin capsules, 22:30446
Photon activation analysis of O and C in eutectic mixture, 24:45
Present status of activation analysis applications in criminalistics, 22:16453
Present status of activation-analysis applications in criminalistics, 22:48835
Present status of hair characterization studies by activation analysis, 21:35876
Some logistic problems in presenting activation analysis evidence in courts, 25:39455
The effects of neutron irradiation on methanol oxidation catalysts, 21:10391
Yields in 14 MeV neutron fission of ^{232}Th and ^{238}U, 24:30825
Yields in photofission of ^{232}Th and ^{238}U, 24:30842
JERVIS, Robert E. Detection of pollutants in airborne particulates by activation analysis, 22:30501
Forensic applications of activation analysis, 24:134
Value of neutron activation analysis hair comparisons in forensic investigations: a critique, 22:16409 (GA-8171, pp 287-94)
JERVIS-HUNTER, G. Initiation of arcs by ion bombardment, 25:9442
JERVIS R. E. Neutron activation determination of trace mercury in Canadian foods, 22:30502
JERVOEE, Peter Effect of radiation on mature human teeth, 25:32615
JERZYKIEWICZ, Andrzej Switching of high current impulse generators with four electrode spark gaps, 22:4305 (INR-823/XVIII/PP)
JERZYKIEWICZ, M. Radii, effective temperatures, and luminosities of the variable stars γ Pegasi and delta Ceti, 25:40212
JESBERG, Norman Partial laryngectomy in preference to radiation for localized cordal carcinoma, 21:26654
JESCHAR, R. Granular materials: range of applications and problems, 23:36173 (EUR-4190, pp 25-52)
JESCHKE, W. D. Incorporation of ^{32}P and ^{14}C into photosynthetic products, 21:24682
Thin-layer chromatographic separation of ^{14}C and ^{32}P labeled metabolic products, 23:26647
JESDINSKY, H. J. Diagnostic significance of ventricular resorption of ^{131}I-labeled hippuran, 25:11152
JESDINSKY, Hans-Joachim Age-dependent radiosensitivity of white rats. III, 23:928
JESENAK, V. Device for withdrawal of ^{85}Kr for preparation of radioactive kryptonates, 22:33699
Possible uses of radioactive kryptonates of silver in chemical analysis, 24:16417
Preparation, properties, and uses of radioactive kryptonates ^{85}Kr in chemistry, 25:51384 (A/CONF.49/P-556)
Radio-release determination of pH using radioactive kryptonate, 25:12955
Radioactive kryptonates in volumetric analysis. I, 22:18698
Radioactive kryptonates in volumetric analysis. III, 22:42639
Radioactive kryptonates in volumetric analysis. VI, 23:2240
Radioactive kryptonates in volumetric analysis. VIII, 23:6073
Radioactive kryptonates in volumetric analysis. VII, 23:15809
Theory of radiometric precipitational titration of labeled samples with an inactive measuring solution, 21:25790
JESICK, J. F. Heavy water organic cooled reactor, Phase B, 23:21537 (AI-CE-Memo-59)
JESIONEK, B. Effect of the grain size of tungsten powder on the properties of rods and coarse wires, 23:48444
Investigations on the origin and detection of cleavage phenomena in tungsten wire, 23:41633
JESIONEK, Boleslaw Causes of longitudinal splitting of tungsten wires, 22:13008
JESIONOWSKI, M. Investigations on the effect of laser radiation on the dental pulp in rabbits, 24:46651
JESKE, H. O. Rf intermodulation characteristics of vhf telemetry preamplifiers and recievers, 21:27862 (SC-DR-67-298)
JESKE, Wojciech Immunofluorescent tests in course of /sup 99m/Tc scintiscanning, 25:55292
JESPERSEN, M. Comparison of auroral light emission and electron density, 24:5056
Electron and positive ion density measurements during conditions of auroral absorption, 23:6917
Electron densities measured by the partial reflection method compared with simultaneous rocket measurements, 24:35314
Electron density measurements in lower ionosphere, 22:41491
Electron density observations during the PCA event of 25 Feb. 1969, 25:27564
Ionospheric observations during annular solar eclipse of May 20, 1966. III, 25:9311
JESPERSEN, Mogens Electron density observations during auroral absorption related to radio wave communication problems, 22:46023
JESPERSEN, R. A. Interpretation of p$\pi^+\pi^-$ and anti p$\pi^+\pi^-$ mass spectra in anti pp $\to$ anti pp$\pi^+\pi^-$ at 2.7 and 2.9 GeV/c, 24:24225
Observation of the p$\pi\pi$ decay mode of the N/sub 1/2/*(1400) resonance in pp interactions at 22 GeV/c, 23:1597
Two- and three-pion production without annihilation in antiproton—proton interactions at 2.4 and 2.9 GeV/c, 24:37634
JESPERSEN, Richard Allen Two and three pion production without annihilation in antiproton—proton interactions at 2.4 and 2.9 GeV/c, 24:12932 (IS-T-330)
JESPERSGARD, P. Ranges of Na, K, Kr, and Xe ions in amorphous Al_2O_3 in the energy region 40 to 1000 keV, 21:44202
JESPERSGARRD, P. Range measurements in oriented tungsten single crystals (0.1—1.0 MeV). I, 21:40092
JESSE, A. Bibliography of uranium aluminides, 1948—69, 24:4769 (NP-18063)
JESSE, Andreas Quantitative etch preparation and quantitative structure analysis of cermets, 23:48560 (KFK-845, pp 5.1-11)
Structural analysis of cermets, 24:36985 (KFK-1131)
Structural and physical characteristics of UAl_4, 25:29895
JESSE, G. W. Radiation-induced dibenzocyclohexadienyl in anthracene single crystals, 23:33237
JESSE, Kenneth E. Seebeck effect in α—Nb_2O_5 near stoichiometry, 23:39530
JESSE, Richard H. Combined intra-arterial infusion and radio-therapy for the treatment of advanced cancer of the head and neck, 23:33799
Combined intra-arterial infusion and radiotherapy for treatment of advanced cancer, 24:27648
The management of teeth related to the treatment of oral cancer, 23:48239
JESSE, Richard H. Jr. Elective irradiation of the neck lymphatics for squamous cell carcinomas of the nasopharynx and oropharynx, 25:19084
JESSE, William P. Alpha-particle ionization in argon—methane mixtures, 22:47802
Ionization measurements in mercury vapor with beta particles and the mean energy to form an ion pair, 25:59123
Isotope effect in ionization of hydrocarbon gases, 24:23816
Isotope effect in the ionization of polyatomic gases by alpha particles, 21:36028
Precision measurements of W for polonium alpha particles in various gases, 22:21861
JESSEN, P. L. High yield sealed tube neutron generators, 24:55
Long-lived targets for neutron generators, 22:5690
Long-lived targets, 22:20370 (KN-67-655(R))
JESSEN, Phillip L. Reaction ^{31}P(n,p) as standard for measurement of yields from D(d,n)^{3}He reaction, 21:38264
JESSENBERGER, J. Ionization cross section of K-shell by electron impact, 23:41974
JESSEPH, J. E. Radiosensitivity of immune responses, 25:4470
RBE of 2.2-GeV protons for 30-day lethality in mice, 23:6589
JESSEPH, John E. Pulsed laser energy in multiple pulmonary metastases, 22:25901
JESSER, R. Specific heat and magnetic susceptibility of dilute solid solutions of yttrium—gadolinium, 21:16987
JESSNITZER, K. Development of a method of concentrating and drying liquid radioactive waste, 23:2542 (EUR-4047)
Method of concentrating and drying liquid radioactive waste, 25:213 (EUR-4047(Pt.2))
JESSNITZER, Klaus Dissolution of UO_2 by the chop-leach process: chopper and dissolver, 22:51048 (ORNL-tr-1974)
JESSUP, E. A. Long range trajectories, 21:41017 (CONF-670931-1)
JESSUP, G. L. Radiation-ethionine carcinogenesis, 24:34636
JESSUP, G. L. Jr. Incorporation of phenylalanine into protein in x-irradiated fetal rat, 24:23350 (CONF-690501-, pp 985-94)
JESSUP, Gordon L. Review of radium toxicity studies, 25:18979 (BRH/DBE-70-5)
JESSUP, S. Some special features of the Brookhaven real-time FSD program, 21:41251
JESTER, A. In-pile operation of a thermionic converter, 23:34925
Incore thermionic reactor for energy supplies for space vehicles, 23:11317
Nuclear heated thermionic energy converter, 22:24088 (DLR-MITT-66-07, pp 31-47)
JESTER, Alfred Thermionic energy converter, 22:38848
Thermionic energy converter, 23:42019
Thermionic fuel rod with nuclear fuel, 25:34375
JESTER, Jerry L. MHD traveling-wave cylindrical accelerator, 23:34304
JESTER, Jerry Larkin Characteristics of finite length MHD traveling wave cylindrical accelerator or generator, 22:15408
JESTER, M. H. L. Rankine cycle systems studies for nuclear space power, 22:42345 (UCRL-70863)
JESTER, W. A. Activation analysis of high-purity lubricants for trace elements, 21:30361
Boron—polyethylene irradiation containers for high energy neutron activation analysis, 25:29025
Development and evaluation of post-cutting chip activation analysis methods in the study of tool wear, 23:2227
Ground water tracing with post-sampling neutron activation, 24:5751
Pulsed neutron activation analysis system for short-lived radioisotopes, 24:164
Studying the effects of trace elements on high-purity lubricants using activation analysis, 21:5800
JESTER, William A. Copper—aluminum absolute fast- and thermal-neutron flux monitor, 22:4437
Nuclear engineering applications in medical science, 25:39891
Pulsed-neutron activation analysis system for short-lived radioisotopes, 25:12960
JETER, Delbert T. Jr. Detection of deuterium oxide in dimethylsulfoxide-d_6 by nuclear magnetic resonance, 21:2950
JETER, I. W. Preparation of ammonium diuranate and determining its viscosity-density relationship, 24:27036 (Y-1727)
JETER, T. R. Independent cesium yields in ^{235}U fission: identification of ^{143}Cs, 25:28307 (CERN-70-30(Vol.1), pp 589-99)
On-line technique for measuring independent fission yields, 25:44507 (BMBW-FBK-70-28, pp 68-77)
JETER, Thomas R. Obtaining steady state or microsecond energy spectra in a neutron spectrometer, 23:45542
Recent improvements in ^{3}He solid state neutron spectrometry, 21:32452
JETT, E. S. Eddy currents in an infinitely finely segmented Hall generator, 24:47077
MHD generator in two-terminal operation, 22:45994
JETT, J. H. d-^{4}He elastic scattering at 12.000 MeV, 25:45895
Evidence for a ground-state triplet in ^{45}Ti, 23:5837
Low-lying energy levels of ^{45}Ti, 22:26965
Nuclear level structure in the A = 180 region, 24:43382
Nuclear processes T(p,p)T, T(p,^{3}He)n, T(p,d)D, and T(p vector,p)T from 13 to 20 MeV, 25:45900
On-line prompt and delayed electron and gamma ray spectroscopy at University of Colorado cyclotron laboratory, 23:46862 (COO-535-598)
p-^{3}He elastic scattering from 13 to 20 MeV, 25:45903
Proton—proton elastic scattering from 9.6 to 13.6 MeV, 25:27957
Proton—proton scattering at 9.690, 9.918, and 13.600 MeV, 24:40270
Rotational states of ^{158}Dy, ^{164}Er, ^{168}Yb, and ^{174}Hf, 25:12544
Scattering of polarized protons by tritons at 13.6 MeV, 25:5521 (LA-4465, pp 28.1-2)
Scattering of polarized protons by tritons at 13.6 MeV, 25:53551
JETT, James Hubert Rotational states of ^{158}Dy, ^{162}Er, ^{164}Er, ^{168}Yb, and ^{174}Hf, 24:26661
JETTE, A. David Force-free magnetic fields in resistive magnetohydrostatics, 24:15182
Resistive force-free magnetic fields, 24:8382
JETTE, A. N. Raman spectrum of V/sub K/ centers in KCl:Ag crystals, 24:26310
JETTE, A. Norman Theory of polarization of molecular line radiation excited by electron impact, 23:1187
JETTER, Evelyn Elimination of radon from the body, 21:36573 (HASL-32)
JETTER, R. I. Structural considerations in design of HNPF six-element irradiated fuel shipping cask, 23:586 (CONF-681001-, pp 607-23)
JEUDON, H. Ultrafast numerical sampler for the study of elementary phenomena in ionized gases, 23:17814 (CEA-CONF-1011)
JEUKENNE, J. P. Different approximations of the elastic scattering cross section for a central potential, 21:23551
Dispersion formula for elastic scattering by a central potential, 21:23550
Mixing between simple and complicated states and identification of doorway states, 24:1874
Separable single-particle potential in shell-model calculations, 25:20509
Space—time evolution of elastic scattering, 22:3772
Time-dependent scattering formalism, 21:38394
Transitory behavior of a packet of waves scattered by a square-well potential, 22:12000
Validity of the exponential time decay law of nuclear alpha emitters, 22:46822
JEUNG, Nylan Dynamics of ^{241}Am in the skeleton of the rat, 23:38421
JEVTOVIC, V. Measurement of the kinetic parameters for the RB reactor, 21:19489
JEW, H. Electrodynamic wake in a rarefied plasma, 21:29285
JEW, Howard Rarefied-plasma interactions at mesothermal speeds, 23:51673
JEW, N. N. K^-d elastic scattering and $K^-d \to K^-pn$ between 810 and 1110 MeV/c, 25:59302
JEW, Nathan Enhancement in Λp invariant mass in $K^-d \to \Lambda p\pi^-$ interactions, 23:16936
JEW, Nathan Nay Shew K^-—neutron elastic scattering from $K^-d \to K^-d$ and $K^-d \to K^-pn$ at 1 GeV/c, 25:12108
K^--neutron elastic scattering, 24:30460 (UCRL-19359(Add.))
K^--neutron elastic scattering from $K^-d \to K^-d$ and $K^-d \to K^-pn$ at 1 GeV/c, 24:8568 (UCRL-19359)
JEWELL, C. E. Zero-power measurements on a high-flux demonstration lattice, 21:23714 (DP-1076)
JEWELL, R. W. Bent crystal spectrometer for use with a germanium detector, 22:28153
High efficiency graphite-moderated neutron counter, 22:38044
JEWELL, Robert A. Synthesis and properties of polyimidazopyrrolones, 22:18825
JEWELL, W. J. R. Search for element 110 in platinum ore via neutron-induced fission, 23:19318
JEWELL, William Simultaneous bilateral radical neck dissection, 24:36799
JEWETT, Gary Lew Recoil chemistry of ^{11}C in C_5 hydrocarbons, fragmentation, and stabilization, 21:25871 (IS-T-118)
JEWETT, J. G. Remote secondary deuterium isotope effects, 22:21070
JEWETT, Robert P. Dislocation morphology of tantalum deformed in tension, 23:27120
JEWSBURY, Clifford P. Frequency of spectroscopic binaries in NGC 6475, 24:19578
Rotational velocities in the open cluster NGC 6475 (M7), 23:36298
JEX, C. F. Criticism of Kasner's proof that no solution of G/sub $\mu\nu$/ = 0 can be embedded in a flat five-space, 22:29766
JEX, H. Scattering of thermal neutrons on single crystals of ice, 23:28212 (IKF-22)

JEYAPANDIAN, S. Generalized mean square amplitudes of vibration for substituted ethylene: vinylidene halides and their deuterates, 25:41814
Molecular constants of substituted ethylene-type molecules. I, 25:37363
Molecular constants of substituted ethylene-type molecules. I, 25:37364
JEYASINGH, K. Blood activity of ^{125}I-fibrinogen in venous thrombosis, 24:50977
Placental localization using /sup 99m/Tc labeled albumin, 23:29644
Simplified method for simultaneous electrolyte studies in man utilizing ^{43}K, 24:786
JEZERNIK, A. Calculation of stresses in graphite-fuel tubes, 25:57051
JEZIERSKA, K. Gas phase α-radiolysis of hydrogen sulfide, 23:40685
JEZIOROWSKI, Helge Adsorption behavior of thorium oxide. I, 24:46790
JEZOWSKA-TRZEBIATOWSKA, B. Association-dissociation equilibria and the structure of uranyl chloride in organic solvents, 23:35124
Behavior and structure of uranyl nitrate in organic solvents. IV, 21:4502
Electronic spectra of U^{+3} ion, 24:2174
Influence of ligand fields on the energy levels of lanthanides and of U(IV), 21:38956
Infrared spectra of uranyl nitrate in ketonic solutions, 21:14199
Ligand effect of the association—dissociation equilibrium of uranyl compounds in organic solvents, 23:35062
Magnetic properties of the U^{4+} ion in a Cl^- ligand field, 25:123
Radiation chemistry of alkaline solutions of oxyanions of transition elements, 22:4217
Radioisotopic exchange in the studies on the structure of co-ordination compounds, 22:4138
Reaction between nitrosylpentacyanochromate and hydroxyl radicals in gamma-radiolysis, 23:40735
Reduction of uranyl nitrate in triethyl and tripropyl phosphates, 23:40732
Structure of uranium compounds, 22:4132
Unusual doublet of uranyl asymmetric stretching frequency, 21:14211
Uranium(III) and U(IV) formates and their magnetic properties, 23:15853
Vibronic spectra of uranyl chloride in some organic solvents, 21:14210
Yield of excited water molecules in gamma radiolysis of acid nitroprusside solutions, 21:21986
JEZOWSKA-TRZEBIATOWSKA, Boguslawa Electronic structure of uranium and transuranium elements, 23:32144
JHA, B. L. Electronic spectra of $^{130}Te_2$ and $^{128}Te_2$, 24:9278
JHA, H. N. Spatial distribution of Pi2 micropulsations, 24:5059
JHA, J. C. Use of vermiculite fines in conjunction with chemical treatment for decontamination of radioactive effluent, 22:23087 (BARC-315)
JHA, K. N. Application of refined model of nonhomogeneous kinetics to reactions of electrons during γ radiolysis of ethanol and 2-propanol, 23:49832
Effect of temperature on reactions of electrons during γ radiolysis of liquid n-propanol, 23:49836
Kinetics of reactions of electrons during radiolysis of liquid methanol and reaction of electrons with liquid alcohols and water, 22:37796
JHA, R. Effect of polarization on the elastic electron scattering by helium atom, 21:24893
Elastic and inelastic scattering of electrons by atomic hydrogen in Ochkur approximation, 21:16790
Elastic resonance in electron—hydrogen scattering, 22:15338
Elastic scattering of electrons by atomic hydrogen, 22:43882
Elastic scattering of electrons by helium atom in Ochkur approximation, 21:16791
Elastic scattering of electrons by helium atoms, 22:43883
Electron scattering by atomic hydrogen in Ochkur approximation, 21:46160
JHA, S. Excited states of ^{128}Xe, 22:3721
Excited states of ^{128}Xe, 22:39634 (N-68-15328)
Excited states of ^{130}Xe populated by beta decay, 23:49392 (N-69-30074)
Excited states of ^{134}Ba, 21:33979
Gyromagnetic ratio of 129-keV state in ^{191}Ir, 24:11003
Hyperfine-field studies with ^{95}Mo, 25:12568
Levels of ^{130}Xe populated in β decay of ^{130}I and ^{130}Cs, 22:53199
Magnetic moment of the 310-keV state in ^{48}V, 24:43216
Measurements of some nuclear lifetimes in the nanosecond region, 25:34136
Moessbauer effect in ^{191}Ir and ^{189}Os, 21:38347
Moessbauer-effect studies in hafnium-metal single crystals, 24:10640
Studies of ^{189}Os, 23:37269
JHA, S. K. Analysis of shower particles produced in high-energy interactions, 25:36392
Neutral baryons from 24 GeV proton interactions in C, 21:3982
Neutrons produced in 24 GeV proton interactions in graphite, 22:26559
New method for identification of shower particles in high-energy interactions, 25:36402
Primary deuteron flux and path length in space, 25:1025
JHA, S. S. Variational technique for determining the propagating modes of a finite plasma, 21:7231
JHA, Sudhanshu S. Bilinear electrodynamics of a superconductor, 22:26322
Effect of thermal noise on the dc Josephson effect, 25:1120
Hartree—Fock calculation of dielectric function of an electron gas, 25:17343
JHAVERI, D. P. Analysis of ground-motion accelerograms, 23:43422
JHAVERI, J. Electron attachment in γ radiolysis, 24:7453
JHINGAN, M. L. Pre-compound and compound particles of decay in (p,n) reactions on ^{90}Zr and ^{94}Zr targets, 25:50774
Reaction $^{12}C(d,p)^{13}C$, 23:19168
Study of A(n,p)Cl reaction, 22:32541
JHINGRAN, Satish G. Liver scintigrams compared with alkaline phosphatase and BSP determinations in the detection of metastatic carcinoma, 25:37839
JHON, Mu Shik Further applications of the domain theory of liquid water. I and II, 21:42949
Significant structure theory. I, II, and III, 22:4156
JIANG, Jian-xua Dependence of the energy gap of a superconducting film on magnetic field, 21:2142
JIBUTI, M. V. Tri-axial periodic modulated structure in metallic alloys, 25:27249
JIBUTI, R. I. Identification of energy levels of light nuclei from cross sections of disintegrations, 21:44563 (ZFK-122, pp 111-18)
Photodisintegration of the lightest nuclei, 21:44543 (ZFK-122, pp 101-10)
JICINSKY, G. Investigations on cermets of ThO_2—Ni and ZrO_2—Mo, 25:2796
JICINSKY, P. Al—Mg—Si alloy as structural material for heavy-water tank of nuclear power plant, 24:48820 (ZJE-86)
Use of unconventional heat treatment for mechanical properties stabilization of Al—Si—Mg alloy, 24:36974 (ZJE-75)
Welding problems of thick-walled structures of Al—Si 1—Mg 0.5 alloy operating at increased temperatures, 24:30026 (ZJE-71)
JICKLING, R. S. Study of stripping uranium complex from an amine extract with aqueous salt solutions, 21:1444
Study of stripping uranium complex from an amine extract with aqueous salt solutions, 23:26349
JIGGINS, A. H. Conference on use of low energy accelerators, London, 5/70, 25:45858
Linear velocity drive for Moessbauer spectrometer, 21:16164
JILEK, M. Effect of x radiation and 6-MP on the secondary antibody response, 21:43343
Variances in the levels of serum lysozyme in x-irradiated mice, 21:6456
JILEK, Rudolf Determination of low activities of U-Ra-series elements using a liquid scintillation spectrometer, 25:51620
JIMENEZ, A. Travesi Activation analysis for traces of gold in uranium minerals, 22:42629
JIMENEZ, Antonio Sterilization of Ceratitis capitata Wied by use of gamma radiations, 23:26974 (CONF-670649-24)
Use of radioactive isotopes for labeling of Ceratitis capitata, 23:22355 (CONF-670649-7)
JIMENEZ, C. M. Radiation damage in Pd produced by 1- to 3-MeV electrons, 21:13643
JIMENEZ, J. Directions of approach of cosmic rays for high-latitude stations, 23:39349
JIMENEZ, J. M. Contribution to study of gaseous carburation of uranium, 22:30505 (JEN-177-DMe/1-22)
Contribution to the study of the gaseous carburation of uranium, 22:50950 (ANL-Trans-660)
JIMENEZ, Jaime Arrival of low-energy cosmic rays via the magnetospheric tail, 22:17428
JIMENEZ, Rosa Effects of gamma radiation on aqueous solutions of 2'—3' uridylic acid, 23:11534
JIMENEZ DOMINGUEZ, Homero Theory of spectroscopic plasma diagnostics, 21:11608 (NP-16443)
JIMENEZ GARCIA, Felip Ignacio Polyethylene sphere neutron dosimeter, 22:28178 (NP-17349)
JIMENEZ GUZMAN, Jaime Threshold rigidity of cosmic radiation in a magnetosphere model, 24:23830 (NP-18174)
JIMENEZ MORENO, J. M. Welding of Zircaloy-2, 23:29983 (JEN-200-DMe/I-20)
JIMENEZ-ZAMUDIO, Luis Antonio Studies on the initiation and regulation of antibody formation to sheep red blood cells in mice, 25:18925
JIMENO DE OSSO, F. Preparation of ^{192}Ir sources by irradiation of iridium in discs, 23:24381 (CONF-670649-10)
Preparation of ^{51}Cr of high specific activity, 24:29341
JIMES, Selvestion Clostridium botulinum type E in Gulf Coast shrimp and shucked oysters, and toxin production as affected by irradiation dosage, temperature, storage time, and mixed spore concentrations, 22:49667
JIMINEZ, F. F. Imaging /sup 99m/Tc compounds with the gamma scintillation camera, 22:25940
Imaging technetium-99m compounds with gamma scintillation camera, and use of system to avoid distortion of respiratory motion in radioisotope scintiphotography, 21:22473 (ACRH-26, pp 57-64)
JIMINEZ, Feliciano Studies with ^{131}I-labeled antibody to human fibrinogen for diagnosis and therapy of tumors, 21:14698
JIN, Tadahisa Fire resistivity of radioisotope containers, 22:12496
JIN, Y. S. Analyticity of forward-scattering amplitude in external mass, 21:33793
Analyticity properties and asymptotic behavior of scattering amplitude, 21:15414 (NYO-2262-TA-146)
Analyticity properties and asymptotic behavior of scattering amplitudes, 22:5678
Forward and backward peaks at high energies, 21:5425
General proof of Carruthers theorem, 21:21267
Necessary condition for composite fields, 21:4110
Threshold behavior of partial-wave scattering amplitude, 21:9861
Zeros of the partial-wave scattering amplitude, 21:9866
JINAHYON, S. Effect of ionizing radiation on tillering ability, flowering date, and pollen sterility in M_1 rice, 24:50828
Effects of gamma-rays on germination, seedling growth, and viability of some rice varieties, 24:50826
JINCHVELASHVILI, B. G. Second critical velocity of liquid helium in a narrow annulus, 22:50098
JINDAL, G. R. Materials problems in lithium-drifted germanium radiation detectors, 24:25290
Materials problems in lithium-drifted Ge radiation detectors. II, 25:29330
JINDAL, Gopi Ram Materials problems in lithium-drifted germanium radiation detectors, 25:51861
JINDO, Akira Single crystal studies of hydrated transition metal ions by electron paramagnetic resonance, 25:26136 (UCRL-20386)
JINDOH, H. Sudden enhancements and decreases of atmospherics, 25:40503
JINDRA, J. Preparation and thermal behavior of binary uranyl carbonates, 21:52
JING, Bao-shan Lymphangiography: diagnosis of nodal metastases from testicular malignancies, 25:16258
JINGA, A. Effect of low gamma-ray doses ^{60}Co on bean and soybean plants, 23:20427
JINKINS, P. B. Toxicity of ^{226}Ra in mice, 24:34032
JINNO, Kiyokatsu Activation analysis for B, 25:26198
Activation analysis for Li, 25:26196
Activation analysis of N, 23:31320
Activation analysis of phosphorus, 24:5644
Gamma spectrometry in activation analysis with Be—D neutrons, 24:48057
Non-destructive determination of fluorine with activation analysis, 25:31868
JIQUIDI, L. Reactivity of rat phrenic-diaphragm preparation, 23:50845
JIRACEK, V. Influence of x-radiation, methioninesulphoximine, burns, and cytostatic agent TS 160 (Spofa) on the urinary excretion of inorganic phosphates and ammonia, 21:24356
Radiation biochemistry in plants. II, 25:57931
Radiation biochemistry in plants. I, 25:57941
JIRACEK, Vladimir Effect of S-containing analogs of sugar derivatives on plant growth and metabolism. II, 21:26671
Effect of S-containing analogs of sugar derivatives on plant growth and metabolism. III, 21:34815
JIRASEK, Jan E. Morphological changes in ovaries of rats following continuous small doses of radiation administered during intrauterine development, 21:13029
JIRASEK, L. Bone changes in occupational radiodermatitis, 23:45942
JIRAVATANA, Vachira Extension of storage life of papayas grown in Puerto Rico by gamma radiation treatments, 24:44644
JIRBERG, R. J. Flux flow in materials where kappa approximately 1, 23:20864
Power supplies for superconductive electromagnets, 24:24062 (LA-4250, pp E3.1-7)
JIRES, M. Three-prong interaction of π^--mesons with a momentum of 4 GeV/c in a propane bubble chamber, 22:17874
JIRGAL, G. H. Jr. Effects of x-ray irradiation on the self-friction of potassium chloride, 21:3930
JIRGAL, George H. Jr. X-ray irradiation effects in static and sliding friction of potassium chloride, 21:18835
JIRICEK, F. Whistlers in central Europe during a solar activity minimum, 23:32252
JIRKOVSKY, R. Analysis of metallurgical raw materials by β-ray backscattering, 21:5779
JIRKOWSKY, Rudolf Applicability of beta radiation back-scattering in analytical chemistry, 23:26188
JIRKU, Helmut Relative conversion of 6,7-^{3}H-estrone to ^{3}H-15α-hydroxyestrogens and ^{3}H-7α-hydroxyestrogens by Glomerella fusarioides, 25:15613
JIRLOW, K. Determination of mercury in aqueous samples by means of neutron activation analysis with an account of flux disturbances, 22:25262
Determination of oxygen in aluminum by 14-MeV neutrons, 23:13676
Fast reactor assessment study, 24:33356
Reactivity dependence of coolant density in steam-cooled fast reactors, 22:35557
JIRNOVA, E. V. Short-range magnetic ordering in $RbNiF_3$ above the Curie point, 22:1321
JIROUNEK, P. Effect of Rose Bengal purity on liver function test. I, 23:11427
Iodine-132 in nuclear medicine. II, 23:50674
JIROUNEK, Petr Biophysical parameters of blood serum after whole-body x irradiation, 22:10680
JIROUSEK, Pavel Air ionization chamber for γ-radiation standardization, 23:2575
Correction for wall thickness of an ionization chamber in gamma radiation measurements, 23:14009
Radiation unit with 1200 Ci ^{60}Co and 240 Ci ^{137}Cs, 22:35983
JIROUSEK, V. Calorimetric experiments on reactor EWA-10 in March and December 1968, 25:26028 (INR-1183)
Calorimetric measurements in nuclear engineering, 24:46517 (ZJE-84)
Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
Spectrocalorimetric measurements in core of heavy water reactor, 25:57123
Test equipment design for direct determination of fission energy distribution in a fuel element of the first Czechoslovak Nuclear Power Plant, 24:52747 (ZJE-88)
JIRU, P. Exchange of deuterium with products of methanol adsorption on oxide catalysts, 21:40863
Exchange reaction of oxygen with oxides computer determination of the exchange rates, 22:27675
Isotopic exchange of gaseous deuterium with lattice hydrogen of hydrides, 25:34582
Mechanism of exchange reactions between O and oxides ZnO, MnO_2, CuO, and Co_3O_4, 22:27633
JITARU, P. Phosphorus-32 uptake in Black Sea fish, 21:39357

JITEA, I. Considerations about synthesis and sintering of nuclear ceramic fuels (UO$_2$ and UC), 24:42203 (IFA-MN-10)
Particle distribution in powders for nuclear ceramic fuels, 24:10165
JITSUNO, Kunihisa Correspondence between ECC γ-ray and spark chamber events, 25:2488
Correspondence between ECC γ-ray and spark chamber shower, 25:2487
JIU-YIH, Son Activation energies for diffusion and diffusion coefficients of oxygen and nitrogen in molybdenum, 21:31010 (UCRL-Trans-10103)
JNANANANDA, S. Beta—gamma cascade angular-correlation measurements in ^{153}Sm, 22:16042
Cascade relations in the decay of ^{131}Ba, 21:44728
Forbidden beta transition $1/2^+ \rightarrow 3/2^-$ in ^{99}Mo, 22:48540
Gamma—gamma angular correlation measurements from ^{89}Y(n,γ)^{90}Y, 24:5407
Inchoherent scattering of 320-keV photons by K-shell electrons, 21:33137
Internal bremsstrahlung from ^{204}Tl and ^{91}Y, 21:12044
Internal bremsstrahlung from ^{32}P and ^{210}Bi, 21:7801
Low-energy thermal neutron capture gamma-rays from Cd and Sm, 23:34789
Matrix elements of 1.492-MeV transition in ^{152}Eu, 24:18426
JNANANANDA, Swami Absolute photoelectric cross sections of 800-keV gamma rays, 24:28812
Absolute photoelectric cross-sections of 280 keV gamma-rays in Ta, Cd, and Cu, 22:47796
Angular correlation studies and level schemes of ^{56}Fe, 21:9978
Beta spectrum of ^{187}W, 23:31021
Beta—gamma directional correlation measurement in ^{170}Tm and ^{186}Re, 22:35309
Decay schemes of ^{161}Tb and ^{103}Ru, 25:5714
Delayed coincidence spectrometer for lifetime studies, 25:4363
Directional correlation studies (γ—γ) and level scheme of ^{134}Ba, 21:27620
E2 transitions in odd-A nuclei, 22:14038
Fractional intensities in decay of ^{177}Lu and ^{186}Re, 21:15564 (CONF-660221-, pp 247-50)
Gamma spectrum from the thermal neutron capture in cerium, 25:12551
Incoherent scattering of 1002-keV gamma rays by K-shell electrons in Sn, Sm, Ta, and Pb, 22:43901
Incoherent scattering of 662-keV gamma rays by k-shell electrons of Pb, Ta, Sm, and Sn, 21:5074
Internal bremsstrahlung from ^{51}Cr, 22:35255
Lifetimes of 113- and 321-keV levels of ^{177}Hf, 23:5939
Lifetimes of 2^+ and 4^+ states of ^{160}Dy, 21:19250
Lifetimes of 321- and 113-keV levels of ^{177}Hf, 25:3707
Low-lying levels of ^{60}Co from ^{59}Co(n,γ)^{60}Co reaction, 24:15827
Measurement of ICC of 192-keV transition in /sup 114m/In, 21:27618
Photoelectric cross sections of 662-keV gamma rays in Ta and Pd, 25:2904
Photoelectric cross-sections of 192 keV gamma-rays in Ta and Cd, 23:25154
Radioactive decay of ^{186}Re, 21:21533
Radioactive decay of ^{199}Au, 22:44720
Radioactive decay of ^{199}Au, 25:5698
Study of beta—gamma correlations in ^{198}Au, 22:18246
Sum coincidence studies of the decay schemes of ^{182}Ta and ^{131}Ba, 21:15563 (CONF-660221-, pp 243-6)
Sum-coincidence studies in decay of ^{182}Ta, 22:18245
Sum-peak coincidence studies of ^{175}Yb and ^{177}Lu, 23:28311
Thermal neutron capture γ-rays from ^{59}Co(n,γ)^{60}Co and ^{159}(n,γ)^{160}Tb reactions, 22:32629
JOACHAIN, C. J. Bound-state effects in atomic rearrangement collisions, 24:23788
Configuration-interaction wave functions for two-electron systems, 24:23754
Correlation effects in atoms. II, 21:28973
Correlation effects in atoms. III, 21:28974
Elastic electron—atom scattering at intermediate energies, 25:49704
High-energy hadron—deuteron scattering, 24:47478 (UCRL-19851)
Multiple ionization processes in helium, 21:27000
Multiple-scattering expansions for non-relativistic three-body collision problems, 25:56575
JOACHAIN, Charles J. A$_1$—nucleon cross section from coherent production in nuclei, 23:23368
Eikonal theory of intermediate-energy electron—atom scattering, 25:52678
High-energy hadron—nucleus collisions. I, 22:44452
Multiple ionization processes in helium, 22:5069
Rearrangement collisions. II, 21:2031
Variational methods in scattering theory, 23:13143
JOACHIM, C. E. Project Pre-Gondola: survival of hypothetical preemplaced charges, 23:13890 (NP-17756)
JOACHIM, Charles E. Close-in ground motion and earth stress, 23:2441 (PNE-1113)
JOACHIM, M. CCIR atlas of ionospheric characteristics, 22:34451
Ionospheric index phi(F2), 22:11327
PHI/sub F$_2$/: the ionospheric index defined by computer, 23:30403
JOACHIM, Miroslav Correlation between the indices R$_{12}$ and PHI/sub F2/ relative to ionospheric propagation, 24:19807
Cycle of indices PHI and PHI/sub F2/, 24:28171
Prediction of the ionospheric index phi, 23:12694
JOACHIN, Charles E. Project Pre-GONDOLA II survival of hypothetical preemplaced charges, 23:43418 (AD-682726)
JOANNES, Jacques Crimping tool, 22:27983
JOANOU, G. D. Use of computer graphics in the development of an automated neutron cross section evaluation system, 22:28242
JOASOO, A. Diagnostic value of serum total thyroxine, resin uptake, and free thyroxine index, 24:29654
Thyroid tests in children, 25:21532
Use of serum thyroxine in assessment of thyroid function, 25:26857
JOB, J. C. Level of STH by radio-immunological assay, 24:645
JOB, Jose Martins Comment on "radioactive phosphorus in the diagnosis of gastrointestinal cancer", 23:29633
JOB, P. S. Decreased variability in the cestode H. diminuta following irradiation of successive generations, 21:16513
JOBE, Charles L. Thermonuclear weapons and the physician, 21:13002
JOBE, John D. Excitation of the 4F states of He, 22:7168
Measurements of electron excitation cross sections of He atoms, 22:5083
Prog. rpt. on temperature dependence of He cross sections, final, 1/65—3/66, 21:5057 (AD-637193)
JOBE, John Dewey Excitation processes in helium, 22:45930
JOBERT, J. Chromosomes and radiations, 23:47970
Chromosomes and radiations, 24:46598 (LIB/Trans-274)
JOBES, F. C. Direct measurement of plasma space potential, 24:35393
Plasma density contour measurements using molecular ion beam breakup, 21:31417
Plasma density measurement by ion-beam probing, 23:27612
Prog. rpt. on beam probe mapping of rapidly fluctuating plasma density in energetic arc, final, 12/67—11/68, 24:30311 (AD-687181)
Prog. rpt. on plasma density measurements with energetic beams, final, 12/1/65—11/30/66, 21:42027 (AD-647835)
JOBES, Forrest C. Plasma density and spectroscopic measurements of deuterium arcs, 21:735 (AD-628890)
JOBES, M. Anti-lambda production in 10 GeV/c K$^+$ proton interactions, 25:27966
Evidence for a K*(1660) resonance in K$^+$p reactions at 5 GeV/c, 22:9516
Four-pion resonance at 1630 MeV in K$^+$p interactions at 10 GeV/c, 24:26379
High momentum single stage electrostatically separated beam, 24:13260
K$^0\pi^+$p final state produced in K$^+$p interactions at 10 GeV/c, 25:27968
L-meson in 10 GeV/c K$^+$p interactions, 25:17399
JOBIN, L. J. Sensitivity to gamma radiation in Acheta domesticus, 24:23306
JOBLIN, Arthur Neutron-induced reaction studies in CsI(Tl) by pulse shape discrimination, 24:16857
JOBSKI, Ch. Interstitial Curie-therapy after radiosensibilizing using bromdesoxyuridine/bromdesoxycytidine and antimetabolites on rats, 24:51008
JOBST, J. Isospin-forbidden ^{16}O(d,α_1)^{14}N reaction, 23:30946
JOBST, J. E. Intense 14-MeV neutron source, 24:33079
Isospin-allowed ^{16}O(d,α)^{14}N differential cross sections, 22:26842
JOBST, Joel Edward Isobaric spin forbidden and allowed ^{16}O(d,α)^{14}N reactions, 22:11913
JOCHIM, H. P. Investigation of reactions ^{9}Be(p,d)^{8}Be and ^{9}Be(p,α)^{6}Li with protons of 300 to 1250 keV, 25:53633
Vector analyzing power of ^{3}He(d,p)^{4}He-reaction near 430-keV resonance, 25:53568
JOCKERS, K. Solar wind models based on exospheric theory, 24:32578
JOCKERS, Klaus Stability of the solar wind, 22:29047
JOCKEY, P. Anthropogammametry in the energy range 10 to 100 keV, 21:26202
Control of atmospheric contamination by tritiated water vapor near EL.3 reactor, 23:19522 (CEA-CONF-1086)
Effects of pulmonary lavage on the retention of particles of plutonium oxide, 25:42368 (LF-tr-53)
JODCZYK, K. Effect of methandrostenolone on the histopathological radiation lesions in mice, 22:40775
JODCZYK, Kazimierz Effect of methandrostenolone on histopathologic postirradiation lesions in mice, 21:34707
JODL, H. J. Doping of an Ar matrix with K by irradiation at 4.6°K, 24:26309
JODOGNE, J. C. Complete-fusion collisions in heavy-ion reactions, 22:29945
Measurements of the cross sections for formation of compound nuclei in heavy-ion reactions, 25:45991
Solid dielectrics as detectors for charged particles, 22:47343
JODOGNE, J.-C. Cross sections for formation of compound nuclei in heavy-ion reactions, 25:3611
JODRA, L. G. Hydrometallurgy of U in Spain, 22:33551
Processing of irradiated fuels in Spain, 22:45150
JODRA, Luis Gutierrez Present state and future prospects of treatment of irradiated fuels in Spain, 22:33536
JOE, E. G. Zr and UF$_6$: new products of Eldorado nuclear, 24:11515
JOEKES, A. M. The radioisotope renogram, 23:29630
JOEL, D. D. Cytotoxic antibody response to skin allografts in calves, 23:6364
Effects of extracorporeal irradiation of the blood on leukemia of cattle, 21:28552
Effects of extracorporeal irradiation of circulating blood, 23:20370
Extracorporeal irradiation of the blood, 21:14718
Influence of thymectomy and extracorporeal irradiation of blood upon blood lymphocytes in goats, 23:33828 (BNL-13521)
Modification of skin allograft immunity by extracorporeal irradiation of lymph, 21:18114 (BNL-10988)
Prolonged renal allograft survival, 25:52209
Skin allograft survival in lymphocyte depleted calves, 23:9827 (BNL-12784)
Skin allograft survival in lymphocyte-depleted calves, 24:640
Skin allograft survival in lymphocyte-depleted calves, 24:11998
Studies on lymphocytes. XII, 23:35681
Studies on lymphocytes. XIV, 23:43879
JOEL, Darrel D. Influence of extracorporeal irradiation of the blood and lymph on lymphopoiesis and immunity, 22:38189 (BNL-12300)
JOEL, Darrell D. Irradiation of blood in calves, 23:43712
JOEL, J. Electric resistivity of solid solutions in Pu—Ga alloys, 25:52965
JOELSSON, Ingemar Applicators for optimum pelvic dose distribution in uterine cervix, 25:11227
Dose rate measurements in bladder and rectum, 24:34350
JOELSSON, J. Dose distribution from intracavitary radium and supplementary external irradiation in uterine cervix, 24:50908
JOENEMALM, C. Nomogram for determining shield thickness for point and line sources of gamma rays, 21:5314 (AE-252)
JOENSSON, B. Effects of Li salts on plasma protein bound I and uptake of ^{131}I in thyroid gland of man and rat, 23:29323
High resolution measurements of gamma rays produced by 15 MeV neutrons, 24:10978
JOENSSON, Bodil Gamma-ray lines from (n,2n) and (n,n') reactions in radiogenic and natural lead, 25:46091
JOENSSON, E. Control-rod drives for PHWR, BHWR, and BWR reactors, 23:28408
JOENSSON, G. Isotopic composition of cosmic ray carbon, 24:44317
Photometric mass determination in nuclear emulsion on cosmic ray carbon. I, 25:18643 (NP-18672)
Relative abundance of ^{12}C and ^{13}C in primary cosmic radiation, 24:37285
JOENSSON, Guenther Oxygen—metal ratio in mixed uranium—plutonium oxides, 24:26936
JOENSSON, J. O. Hyperfine structure investigations of ^{51}Mn and /sup 52m/Mn, 25:31294
Magnetic moment and hyperfine structure of ^{103}Ag, 25:28396
Spin and magnetic moment of ground state of ^{49}Cr, 25:25689
JOENSUU, Oiva Postdepositional mobility of some transition elements, P, U, and Th in deep sea sediments, 25:32093
JOERCHEL, E. Heterogeneous isotopic exchange in system CH$_3$*I/sub gas/NaI/sub solid/, 23:133
JOERCHEL, Egon Isotopic exchange kinetics between chloromethyl formate and chloride ion, 25:15606
JOERGENSEN, B. V. Effect of ionizing radiation and antioxidant treatment on the quality and storage life of vacuum-packed trout, 24:48791
JOERGENSEN, Bent C. Decay of ^{204}Tl. Gamma-ray measurement, 23:47014
JOERGENSEN, C. K. Elements 4f and 5f, 21:3037
Neptunium-7+, No^{2+}, and other unexpected oxidation states of transuranium elements, 23:11493
Probable chemical properties of element 114, 23:45244 (ORNL-tr-2212)
Probable chemical properties of the element 114, 23:37945
Speculations on chemistry of superheavy elements such as $Z = 164$, 25:23561
JOERGENSEN, Chr. Klixbuell Powder-diagram and spectroscopic studies of mixed oxides of lanthanides and quadrivalent metals, 23:1053
JOERGENSEN, H. E. Homogeneous models for Population I and Population II compositions, 24:23619
Homogeneous stellar models, 24:37024
Light curve and photometric elements of XZ Pup, 25:22230
Pulsation of RR Lyrae stars and the structure of horizontal branch models, 22:13151
Variability of A and F main sequence stars, 25:35651
JOERGENSEN, Henning E. Helium abundance in population I stars, 24:37028
JOERGENSEN, J. Helms Atomic research serves Danish farming, 21:9010
Mutations for the monogerm seed character in beet induced by pollen irradiation, 21:16326
JOERGENSEN, K. R. Immunological reactivity and biological activity of iodinated insulin, 22:40545
JOERGENSEN, M. Fat content of leg muscles and its influence on ^{133}Xe clearance method of blood-flow measurement, 22:8571
Plasma renin measured by radioimmunoassay for angiotensin, 25:18920
JOERGENSEN, M. Balslev Irradiation and otosclerosis, 21:22505
JOERGENSEN, Mogens Iodine-125-labelling of angiotensin I and II, 25:42241
JOERGENSEN, P. B. High resolution system for van de Graaff accelerators, 24:3819
JOERGENSEN, T. S. Observations of vlf and hf plasma waves in auroral regions, 25:17013
JOEST, K. H. Preparation of SNR irradiation tests in Rapsodie Fortissimo, 25:48268
SNR control rod system, 24:22396
Uniform procedure for calculating fuel inventories and consumption rates of major power stations systems, 24:11201 (BMwF-FBK-69-27)
JOESTEN, Melvin Lanthanide complexes of trimethyl phosphate and methyl ethylene phosphate, 24:16538
JOESTEN, Melvin D. Donor properties of pyrophosphate derivatives. V, 21:35949
Donor properties of pyrophosphate derivatives, 22:30468
Electron paramagnetic resonance studies of some Cu(II) complexes with organophosphorus chelates, 24:53058 (ORO-2825-30)
JOESTLEIN, H. Precision measurement of the anomalous magnetic moment of the muon, 23:8758
JOFFE, Boris B. Beta-ray measuring probe, 24:7605
Interchangeable fixed and portable coating thickness measuring apparatus, 25:457
Self-stabilizing portable probe, 24:7603

- JOFFRE, H. Accidental irradiations with accelerators and protective measures, 23:826
  - Electron energy losses in material: calculating method and results, 23:45556 (ORNL-tr-2199)
  - Energy losses of electrons in material: method of calculation and results, 23:16160 (CEA-CONF-1087)
  - Fundamental relationships between linear energy transfer, absorbed dose, kerma, and exposure. Application to changes of mediums, 22:38307
  - Proportional counters and their utilization in radioprotection. I, 22:19112
- JOFFRE, Henri Causes of accidents near accelerators and radiation protection arrangements, 22:39501 (CEA-R-3443)
  - Causes of accidents near accelerators and radiation protection measures, 23:29538 (ORNL-tr-2056)
  - Causes of accidents near some accelerators and preparations for radioprotection, 23:845
  - Energy losses, range, and bremsstrahlung yield for 10-keV to 100-MeV electrons, 24:12626 (CEA-R-3942)
  - Energy losses, range, and bremsstrahlung yield for 10 keV to 100 MeV electrons in some simple elements and chemical compounds, 24:42501 (ORNL-tr-2331)
  - Fundamental relations between transfer of energy per unit of length, absorbed dose, kerma, and exposure, 23:31753 (ORNL-tr-1555)
  - Fundamental relationships between linear energy transfer, absorbed dose, kerma, and exposure, 22:40658 (CEA-R-3424)
  - Improvements in or relating to ionisation chambers, 22:23339
  - Improvements in or relating to ionization chambers, 23:2626
  - Ionization chamber, 22:49129
  - Mass attenuation and mass energy absorption coefficients for 10 keV to 10 MeV photons, 23:20177 (CEA-R-3655)
  - Method of and apparatus for the analysis of radioactive aerosols, 22:19127
- JOFFRIN, J. Ultrasonic attenuation in dirty superconductors, 24:37400
  - Ultrasonic attenuation of transverse waves in dirty superconductors, 25:14160
- JOFTES, David L. Apparatus for administration of gaseous $^{14}CO_2$ to small animals, 23:20394
  - Incorporation of inspired ^{14}C in tissues, 23:41216
  - Potential hazards of $^{14}CO_2$ in the biosphere, 23:8009
- JOGLEKAR, P. N. Economics of potato and onion preservation by irradiation, 23:35966
- JOGULU, C. Effect of magnetic activity on the drift and anisotropy of ionospheric irregularities, 25:38216
  - Effect of sunspot activity on F-region drift speed at Waltair, 22:29343
- JOH, Hiroshi Influence of defects in 80 mm thickness steel plates for weld quality, 25:19202
- JOHANN, H. G. g-factor of the isomeric $9/2^+$ state of ^{81}Br, 25:53668
- JOHANNES, B. Photosynthesis in green plants. II, 24:47993 (ANL-Trans-849)
- JOHANNES, C. Heat transfers in cryogenic media liquid helium. summary of experimental results, 25:47486 (LA-tr-71-49)
- JOHANNES, E. Device for the determination of silver surface density, 25:37666
  - On-line silver analyzer for non-destructive determination of silver surface density on current film strip, 25:13311
- JOHANNES, Eberhard Arrangement for the measurement of moisture by means of neutrons, 21:30735
  - Continuous determination of the hydrogen content of liquid hydrocarbons by means of neutrons, 22:4005
  - Ionization chamber for measuring humidity, 21:12682
- JOHANNES, R. E. Phosphorus and zinc cycles and productivity of a salt marsh, 23:17978 (CONF-670503-, pp 412-19)
- JOHANNESEN, R. B. UEAITR: computer program for analysis of NMR spectra, 24:47334
- JOHANNESEN, Rolf B. Relative signs of NMR coupling constants and isotope shifts in ammonium ions, 22:18758
- JOHANNESEN, Thyra General application of the complete isotopic rule for vibrational frequencies, 21:35970
- JOHANNES ROTTMANN, C. L. Oxygen and nitrogen determination in carbides and nitrides of U and several transition metals, 22:42589 (JUL-517-RW)
- JOHANNESSON, J. K. Isotopic-dilution analysis for carbonate and sulfate, 22:10186
  - Radiochemical determination of trace amounts of chloride, 25:46441
- JOHANNESSON, Nils Kinematic singularities in multi-particle processes derived from basic properties of spinor amplitudes, 25:28099
  - Kinematic singularities of transversity amplitudes, 25:25535
- JOHANNING, H. Determination of Hf by neutron activation, and variation in Zr/Hf ratio of some granite masses, 23:2202
- JOHANNIN-GILLES, A. Low temperature microbalance for measuring atomic beam intensities, 24:33976
- JOHANNIN-GILLES, Andree Comparative measurement of refraction indices of light and heavy water at different temperatures, 21:15904
  - Determination of B, Sr, and Si in sea water by emission spectroscopy, 24:11
  - Variation of molar refraction of D_2O and H_2O with temperature and wavelength, 24:29293
- JOHANNKNECHT, N. Safety requirements for AVR nuclear power station, 21:12173
- JOHANNSEN, B. Methods and use of radioimmunoassays, 25:35083
- JOHANNSEN, J. Longitudinal electron polarization in the β decay of ^{90}Y and ^{32}P, 25:53803
- JOHANNSEN, K. Limitations of zero-dimensional gap model for thermal element analysis, 24:24928
  - Magnetoplasmadynamic energy conversion in nuclear power stations, 25:20768
  - Multiregion analysis for heat transfer in the boundary region of liquid metal-cooled fuel rod bundles, 24:40976
  - Multiregion heat transfer analysis for displaced central, corner, and side elements of unbaffled LMFBR fuel rod bundles, 25:28661
  - Stationary heat transfer in infinitely long fuel elements with locally varying heat sources and boundary conditions, 25:12799 (TUBIK-17)
  - Two-dimensional conduction heat transfer in liquid—metal bonded fast reactor fuel element with pellet and canning eccentricity, 25:13155
- JOHANNSEN, K.-H. Deposition of radioruthenium on metal chips from waste waters, 23:6203
  - Flocculation and sedimentation of radioactive turbid material from waste water under control of the zeta potential, 25:34696 (SZS-3/71 (pp 2-19))
  - Regeneration of ion exchangers used for treatment of radioactive waste waters. III, 24:46395 (SZS-13/70)
  - Sorption of radionuclides on friable soils and other natural absorbents, 24:9488 (SZS-6/69)
- JOHANNSEN, Klaus Effect of variable wall heat flux on liquid—metal heat transfer in reactor coolant channels, 22:10492
  - Effect of wall heat flux on liquid-metal heat-transfer coefficients in coolant channels, 21:38492
  - Temperature fields in fuel element bundles. I, 25:31674
  - Temperature fields in fuel element bundles. II, 25:31673
- JOHANNSEN, U. Effect of whole-body irradiation on serum protein content, 25:52192
- JOHANNSON, G. Color centers of rhombic and monoclinic symmetries in NaF, 21:27252
  - Linear Stark effect of F_2^+ center in LiF and NaF, 22:29564
  - Linear Stark effect of R center in LiF, 23:51764
- JOHANNSSEN, Horst Radiation effects in the efferent urinary system and intestine during radium therapy, 21:11052
- JOHANSEN, A. Concentration of 400 keV channeled P ions in Si, 24:40164
  - Energy loss of protons in thin films of C, Al, and Ag, 25:38532
  - Irradiation damage in Al single crystals produced by 50-keV Al and Cu ions, 22:26486
  - Measurements on silicon implanted with channeled and nonchanneled dopant ions, 22:26490
  - Radiation damage in single crystals of Si, 24:6636
  - Rows of dislocation loops in aluminum irradiated by aluminium ions, 21:37591
- JOHANSEN, A. E. Experimental performance of a low-power MPD arc thrustor, 21:24963 (N-67-13098)
- JOHANSEN, Albert E. Experimental and theoretical performance of coaxial plasma guns, 21:3838 (N-66-29214)
- JOHANSEN, Charles Leukemia and other hematological diseases after Thorotrast, 23:26926
  - Tumors in rabbits after injection of thorium dioxide, 23:26883
- JOHANSEN, Dorothy Nu$_4$ bands of $^{10}BF_3$ and $^{11}BF_3$ at high resolution, 25:10533
- JOHANSEN, G. Electronic structure and phase transitions in ytterbium, 24:12899
- JOHANSEN, Gunnar Directional characteristics and neutron sensitivity of ionization-chamber dosimeters, 21:22170 (NP-16701)
- JOHANSEN, H. Derivation of necessary conditions on Hartree—Fock orbitals, 24:42538
- JOHANSEN, H. A. Kinetics of the carbiding reaction: Ta carbide, 24:48828
  - Spectral emittance of tantalum carbide, 24:8102
  - Study of superconductivity in interstitial compounds, 22:22117
- JOHANSEN, Helen Rotational perturbations and low-lying electronic states of CaO, 24:53071 (UCRL-19649)
- JOHANSEN, I. Radiosensitization by N-ethyl maleimide, 23:49848
- JOHANSEN, Ivar Enhancement of the viability of irradiated bacteria by chromosome transfer, 23:9918
  - Restoration conferred on irradiated bacterial cells upon complete transfer of an irradiated chromosome, 23:12046 (AEC-tr-6646/4A, pp 31)
  - X-ray induced binding of N-ethylmaleimide to DNA, 23:14122
- JOHANSEN, K. H. Coriolis coupling between the $^7/_2{}^+[404]$ and $^5/_2{}^+[402]$ bands, 23:19302
  - Rotational band in ^{175}Lu, 23:46993
- JOHANSEN, K. T. Light curve and photometric elements of AR Aurigae, 24:10248
  - Light curve and photometric elements of XZ Pup, 25:22230
  - Light curve and photometric elements of β Aurigae, 25:35648
  - Photoelectric photometry of 1160 late-type stars, 24:46841
  - Variability of A and F main sequence stars, 25:35651
- JOHANSEN, Karen T. Photoelectric observations of 31 Cygni, 24:23559
  - Photoelectric observations of 32 Cygni, 24:23550
  - Photoelectric observations of early A stars, 24:23551
  - Radii of components of 31 Cyg, 23:51192
- JOHANSEN, L. Chemical valence studies in nuclear decay, 21:40939
- JOHANSEN, O. Determination of Ch in U.S. geological survey standard rocks by neutron activation analysis, 21:32127
  - Determination of Co, Cu, Fe, Ga, W, and Zn in rocks by neutron activation and anion-exchange separation, 24:36186
  - Determination of Cu, Ga, and Zn in standard rocks, 21:10278
  - Determination of tin in geological material by neutron-activation analysis, 24:4250
  - Neutron activation method for I in milk, 24:22609
  - Precision analyses of manganese in rocks by neutron activation analysis, 22:4010
  - Reactor cross section of reaction $^{41}K(n,\alpha)^{38}Cl$ and its interference in activation analysis, 22:41997
  - Simple neutron activation method for mercury in biological material, 24:9254
- JOHANSEN, T. H. Solubility of Nb carbide in gamma iron, 22:704
- JOHANSON, A. E. Effect of magnetically conjugate photoelectrons on O I, 25:2959
- JOHANSON, E. W. Multiple neutron spatial detector, 21:3280
- JOHANSON, M. Application of neutron activation analysis for the determination of trace amounts of bromine in pulp, 25:57383
- JOHANSON, R. Alterations of DNA-histone interactions following irradiation, 24:34093
- JOHANSSEN, K. Calculation of fuel element temperatures, 24:29434
- JOHANSSON, A. Decay of ^{191}Au and the level scheme of ^{191}Pt, 21:27606
  - Decay studies of Au isotopes, 24:15878
  - Deuteron vector polarization in (p,d) reactions at 185 MeV, 22:50548
  - Double focussing iron-core spectrometer, 24:33921
  - Effects of electron—electron interaction on the one-electron properties of atoms and solids, 23:41992
  - Establishment of an excited state at 1.64 keV in ^{191}Pt, 22:14015
  - Excited levels of ^{28}Si investigated by inelastic scattering of 185-MeV protons, 21:42583
  - Excited states of ^{40}Ca, 25:28255
  - Experimental studies of time-dependent hf interactions caused by after-effects of hole formation, 22:30064
  - Inelastic scattering of 185-MeV protons from Mg and Al, 21:4261
  - Internal conversion studies of transitions in ^{94}Mo, 24:22157
  - Internal conversion study of decay of ^{193}Au, 22:20581
  - Magnet-spark-chamber system, 25:17619
  - Nitrogen determination in seeds by direct nuclear reactions, 23:31306
  - Proton polarization in scattering at 185 MeV from individual states of ^{24}Mg, 23:1838
  - Reactions (p,2p) at 600 MeV, 24:52439
  - Shell-model interpretation of the inelastic scattering of 185-MeV protons from ^7Li, 21:9937
  - Structure of ^7Li and ^{12}C studies by inelastic scattering of 185-MeV protons, 22:20467
- JOHANSSON, B. Generalized instability criterion applied to interacting Fermi gas, 22:34822
  - Superconductivity at room temperature, 21:46277 (FOA-4-4306-61)
  - Symmetry breaking average and field theoretical method in superconductivity, 21:18566
- JOHANSSON, Bertil Spectra of O IV and O V, 21:41816
  - Spectrum of O V, 22:43862 (UUIP-574)
- JOHANSSON, Boerje Phase transitions in fermi systems, 23:30471
- JOHANSSON, Claes Monte Carlo integration of adjoint neutron transport equation, 23:44820
- JOHANSSON, E. Burn-up experiments with the HBWR second fuel charge, 23:17165 (HPR-86)
  - In-core instrumentation in the Marviken reactor, 21:27772
  - Some studies of thermal and epithermal neutron spectra in heterogeneous systems, 21:23742
  - Thermal and epithermal neutron spectra in heterogeneous systems, 22:30336
- JOHANSSON, Erik Quantitative assay of ^{239}Pu and ^{240}Pu by neutron transmission measurements, 25:41750 (AE-416)
- JOHANSSON, G. K-level of Be in metal, oxide, and fluoride, 22:13211 (UUIP-548)
  - Potentiometric titration of fluoride with La and Th in unbuffered media, 25:12929
- JOHANSSON, Georg Structure of a dinuclear hydroxo complex of thorium, 22:40074
  - Structure of some hydroxo nitrates of thorium, 21:14188
  - Structure of the hydrolysis products of thorium, 22:40078
- JOHANSSON, Gunilla VC, NbC, and TaC studied by electron spectroscopy for chemical analysis, 25:19867
- JOHANSSON, Gunnar G. Effect of irradiation on electrical impedance of brain tumors, 24:23279
- JOHANSSON, H. Isotopic exchange between p-nitrobenzyl chloride and chloride ions as studied by electrodeposition, 22:16558
- JOHANSSON, Hans Solvent extraction studies by AKUFVE method. IV, 24:16642
- JOHANSSON, I. Determination of static and fatigue strength of hard metals, 24:21382
  - Spectrochemical determination of tracers of impurity elements in Pu by Cu spark method, 25:10444
- JOHANSSON, J. M. Pelvic dosimetry during radiotherapy, 24:34351
- JOHANSSON, John M. Radiation damage to the surfactant system of the rabbit lung, 25:11267
- JOHANSSON, K. g-factor of first excited state in ^{106}Pd, 23:8986
  - Instrument for the study of moments of excited nuclear states by angular correlation methods. Part C, 23:4832
  - Magnetic hyperfine field at the palladium nuclei in iron, 22:46262
  - Magnetic moment of 139-keV level in ^{193}Ir and magnetic hyperfine interaction in Fe—Ir alloy, 22:20045
  - Magnetic moment of three-quasiparticle state in ^{125}Te, 25:7865
  - Nuclear g factor of the 1301-keV 4^+ level in ^{144}Nd, 21:10018
  - Nuclear magnetic moment of 3.2-MeV state in ^{206}Pb, 22:20603
  - Open clusters NGC 2483 and NGC 2489, 23:3198
- JOHANSSON, K. A. Collimator and scattering foil for 10 to 20 MeV electrons, 25:43767
- JOHANSSON, Kurt Properties of excited atomic nuclei and hyperfine interactions from angular correlation experiments, 22:39659

JOHANSSON, L. Alpha—gamma angular correlation in decay of ^{226}Ra, 24:49903
  Perturbations of α—γ angular correlation in decay of ^{226}Ra, 24:28782 (UUIP-660)
JOHANSSON, M. Measuring device for thermoluminescence dosimetry, 22:8547
  Miniature LiF dosimeter for in vivo measurements, 21:1657
  Radiation dosimetry in small cavities using thermoluminescence in lithium fluoride powder, 21:12694
JOHANSSON, Mats Separation of heavy water in phase equillibria involving pure water or salt-water systems, 23:45382
JOHANSSON, N. G. E. Analysis of Cd and Te implantations in Si, 24:19945
  Anomalously high yields of elastically scattered ^{12}C from atoms implanted into silicon, 25:19829
  Behavior of group II and VI elements implanted in Si, 24:28406
  Channeling of MeV He$^+$ ions W and other crystals, 23:39561
  Chemical transport of silicon and germanium during anneal treatment, 25:27909
  Diffusion effects in ion-implanted germanium, 25:19841
  Electrical behavior of ion implanted Si, 24:6660
  Hall effect analysis of ion-implanted Si and Ge, 24:24116
  Hall effect measurements on Sb- and Ga-implanted Si, 24:18026
  Use of cellulose nitrate plastic in the study of blocking in single crystals, 23:26546
JOHANSSON, R. Hot isostatic pressing, 25:58197
JOHANSSON, R. B. Penning discharge in a strongly inhomogeneous magnetic mirror field, 21:31424 (NP-16805)
  Penning discharge in a strongly inhomogeneous magnetic mirror field, 22:52779
JOHANSSON, S. Introduction to nuclear physics, 22:3804
JOHANSSON, S. A. E. Cross section ^{12}C(γ,n)^{11}C investigated by means of monoenergetic gamma radiation of variable energy, 22:29928
  High energy photofission cross sections of uranium and thorium, 24:30757 (LUNP-7005)
  High-energy photofission of heavy and medium-heavy elements, 25:39003
  Semiempirical mass formula for deformed nuclei, 22:30089
  X-ray analysis: elemental trace analysis at the 10^{-12} g level, 24:38729
JOHANSSON, S. G. Neutron elastic scattering cross sections of Fe and Zn in energy region 2.5 to 8.1 MeV, 23:7243 (AE-337)
  Neutron elastic scattering study of Cr, Fe, and Ni in energy region 1.77 to 2.76 MeV, 24:28725 (AE-385)
  Neutron scattering from V, 24:38189
JOHANSSON, Sven A. E. New regions of deformation, 22:30080
  X-ray analysis: elemental trace analysis at 10^{-12} g level, 24:36146 (LUNP-7006)
JOHANSSON, Sveneric Resonance lines of La III, 25:58707
JOHANSSON, T. Crystal fields and the magnetic properties of praseodymium and neodymium, 24:45347
  Integration of nuclear units in the Swedish power system, 25:53978 (A/CONF.49/P-306)
  Magnetic properties of single crystals of Eu, Nd, Pr, 25:47638
JOHANSSON, T. B. Beam mapping method, 25:20138
  X-ray analysis: elemental trace analysis at the 10^{-12} g level, 24:38729
JOHANSSON, Thomas Two-centre potential and the (del V x p vector)^2 term, 25:28312 (CERN-70-30(Vol.2), pp 676-88)
JOHANSSON, Thomas B. X-ray analysis: elemental trace analysis at 10^{-12} g level, 24:36146 (LUNP-7006)
JOHANSSON, U. Electron microscopic study of plutonium, 22:8770
JOHARI, O. Sample preparation for scanning electron microscope metallography, 23:30091
JOHARI, Om Scanning electron microscope, 23:22455
JOHLIGE, H. W. Electron density at the Be nucleus, 25:12398
JOHN, David W. Effect of whole body x irradiation on synthesis of proteins, 22:19258
JOHN, G. S-wave pion—pion phase shifts from P-wave, 23:42653
JOHN, H. Superheated steam filter. I, 25:5980 (KFK-1183)
JOHN, J. Gamma-ray production cross sections measured with a LINAC, 23:3872
  Interpretation of gamma-ray data from planetary assay probes, 24:5642
  Saturation effect in retina measured by laser, 21:26642
  Saturation effect in retina measured by He—Ne laser, 22:4695
  Some problems in the use of laser in photocoagulation of the retina, 21:8969
JOHN, Jan Effect of lasers on tissue, 24:14615
JOHN, Joseph Elastic scattering of alpha particles by ^{16}O and ^{40}Ca at 5.0 to 12.5 MeV, 23:10944
  Epithermal-neutron capture gamma rays from shield materials: depleted uranium, 25:5776
  Facility for measuring cross sections of (n,xγ) reactions using an electron linac, 23:44769
  Gamma-ray production cross sections for the ^{16}O(n,xγ) reaction from 6.35- to 16.52-MeV neutron energy, 25:12406
  High-resolution (n,xγ) cross-section measurements using Linac, 25:5657
  Microampere negative helium ions using potassium vapor exchange, 22:5701
  Modification of an ion source for the production of microampere ^{4}He$^-$ beams, 21:37997
  Nearly monoenergetic source of 6.129 MeV gamma rays for Ge(Li) detector calibration, 24:4440
  Neutron capture gamma ray facility, 23:38308
  Neutron capture gamma ray facility using an electron linear accelerator, 23:21182 (GA-9221)
  Optical-model analysis of alpha-particle scattering by ^{40}Ca from 12 to 18 MeV, 22:41982
  Oxygen-16(α,α)^{16}O scattering from 5 to 10 MeV, 23:42862
  Shape and compound elastic scattering of α particles by ^{40}Ca, 5.0 to 12.5 MeV, 23:25861
JOHN, P. I. Amplitude modulation of microwaves propagated through a periodically varying plasma, 24:17996
JOHN, P. K. Determination of electron and ion temperatures in a plasma from scattering of laser beam, 21:3821
  Evidence for thermonuclear reaction in theta-pinch plasma from scattering of ruby laser beam, 21:42149
  Observation of enhanced plasma waves by laser scattering, 25:52878
JOHN, R. Magnetoplasmadynamic thrustor research, 22:36908 (N-68-16067)
JOHN, R. R. Prog. rpt. on high-power quasi-steady MPD acceleration, final, 5/70, 25:30599 (N-71-10100)
JOHN, Richard R. Nuclear-electric power requirements for electric rockets, 22:7876
  Recent advances in electrothermal and hybrid electrothermal—electromagnetic propulsion, 22:13302
JOHN, T. L. Free—free transitions of He$^-$, 22:24054
  Free—free transitions of He$^-$ at threshold, 21:39819
  Limiting behavior of the absorption cross sections of the negative hydrogen ion, 21:2053
  Variational methods of Hulthen—Kohn type, 22:9083
JOHN, W. Bent crystal spectrometer for use with a germanium detector, 22:28153
  Diurnal variation of aerosol trace element concentrations in Livermore, Calif, 25:54456
  High efficiency graphite-moderated neutron counter, 22:38044
  Investigation of performance of PIN silicon detectors, 23:16087 (EGG-1183-2183)
  Kα_1 and Kα_2 x-ray energies of neptunium, plutonium, and americium, 24:8333
  Mass-dependent structure in the fission γ-ray yields from ^{252}Cf, 24:6889
  Silicon heavy ion detectors in high radiation fields, 24:36583
  Symmetric fission observed in thermal-neutron-induced and spontaneous fission of ^{257}Fm, 25:43920
  Systematics of fission product x-ray intensities, 21:21555
  Widths of the Kα_1 and Kα_2 x-ray lines for $Z > 50$, 24:3158
  Widths of the Kα_1 and Kα_2 x-ray lines for $Z > 50$, 24:37199
JOHN, Walter Isomeric transitions in ^{252}Cf fission fragments, 24:52623
JOHNELS, A. G. Activation analysis of mercury and other environmental pollutants in water and aquatic ecosystems, 25:31880
JOHNS, David G. Iodine-131-3'-iodoaminopterin, 24:6073
JOHNS, F. B. Separation technique for determination of ^{85}Kr in environment, 25:51389 (SWRHL-500-r)
JOHNS, Frederick B. Analysis of atmospheric gases, 25:20928 (CONF-700816-(Vol.2), pp 683-96)
  Southwestern Radiological Health Laboratory handbook of radiochemical analytical methods, 24:36173 (SWRHL-11)
JOHNS, H. E. Calculation of absorbed dose from exposure measurements, 24:19317
  Dependence on wavelength of photoproduct yields in uv-irradiated poly U, 21:20084
  Dimer photoproducts in CpC, 22:51436
  Dosimetry in photochemistry, 23:20242
  Excision of dimers and hydrates from uv-irradiated poly U by pancreatic ribonuclease, 21:20066
  Mathematical aspects of the ultraviolet photochemistry of pyrimidine dinucleoside phosphates, 21:43336
  Mathematical aspects of the uv photochemistry, 21:20096
  Molecular nature of radiation lesions as deduced from experiments with ultraviolet light, 22:38234
  Photodimerization of pyrimidine nucleic acid derivatives in aqueous solution and the effect of oxygen, 21:30782
  Photoproducts produced in nucleic acids by ultraviolet light, 22:25791
  Suppression of hydrate and dimer formation in uv-irradiated poly, 21:22323
  Ultraviolet effects on polynucleotides, 22:43223
  Ultraviolet photoproducts in ordered structures of poly U, 22:10727
  Use of x and γ rays in radiotherapy, 25:24166
  Uv induced changes in transfer RNA, 22:33746
  Uv photochemistry of cytidylic acid, 22:45441
  X rays and teleisotope γ rays, 25:24160
JOHNS, H. L. Zirconia tailored for thermal shock resistance, 24:36960
JOHNS, Harold Elford Physics of radiology, 24:46646
JOHNS, I. A. Meandering solar Type-IV burst 12/17/69, 25:35742
JOHNS, J. C. Computer plotting of data from detection system used in radioactive isotope sand tracer studies, 22:38146 (ORNL-TM-2212)
JOHNS, J. W. C. New spectra of the CH molecule, 24:1139
  Spectrum of neutral argon hydride, 25:10535
JOHNS, Judy C. Variation with age of elemental concentrations in human tissue, 22:12749 (ORNL-P-3541)
  Variation with age of elemental concentrations in human tissue, 23:12032
JOHNS, K. A. Energy flux from 3°K radiation, 23:6871
  Ensemble versus time average probabilities in relativistic statistical mechanics, 25:59238
  Paradoxical behavior of force in special relativity, 24:43027
JOHNS, M. W. Beta decay of ^{90}Kr and ^{91}Kr, 24:43365
  Decay of ^{103}Ru, 21:23510
  Decay of ^{153}Sm, 23:21362
  Decay of ^{153}Sm, 23:9004
  Decay of ^{185}Os, 23:47028
  Decay of ^{193}Os, 22:27183
  Decay of ^{89}Rb, 21:11994
  Decay of ^{90}Kr and ^{90}Rb, 25:20384
  Decay of ^{99}Mo, 24:43366
  Decay of 2.9-day ^{97}Ru, 24:20393
  Decay of 3.2-min ^{89}Kr, 21:27555
  Decay of 67 hour ^{99}Mo, 24:10992
  Decays of /sup 159m/Ho and /sup 161m/Ho, 25:15060
  Energy levels in ^{191}Ir, 25:59805
  Germanium x-ray escape peaks in 40 to 411 keV range produced by small windowless Ge(Li) detectors, 23:21961
  Half-life of the first metastable state in ^{90}Nb, 23:23715
  Level structures of ^{91}Rb and ^{91}Sr as populated in beta decay, 25:20459
  Levels in ^{143}Pr populated in the decay of ^{143}Ce, 23:11005
  Levels in ^{153}Eu and ^{155}Eu by (^{3}He,d) reaction, 23:40086
  Levels populated in ^{193}Ir from beta decay of ^{193}Os, 23:19262
  Lifetime of the first excited state of ^{91}Sr, 24:43399
  Midstream evaluation, A = 88, 25:36705
  Midstream evaluation, A = 89, 25:36714
  Midstream evaluation, A = 90, 25:36801
JOHNS, Oliver Pairing force in the quasi-boson approximation, 24:52661
JOHNS, Oliver Davis Pairing in nuclei, 23:13312 (UCRL-18614)
  Pairing in nuclei, 23:49481
JOHNS, R. B. Photochemistry of biological molecules. II, 22:36160
JOHNS, T. F. Development of thermoluminescence dosimetry systems, 25:57840
  Monitoring of gaseous effluents from reactors, 23:33381 (AAEW-M-891)
  Plutonium-contaminated wound, 22:33807 (AEEW-M-613(Rev.1))
  Use of energy-independent dosimeters for measuring partial and whole-body doses, 22:21526
JOHNS, W. L. Simplified metallographic techniques for uranium alloys and other metals, 21:11238 (RFP-862)
  Simplified metallographic techniques for uranium alloys and other metals, 24:8125 (CONF-670533-, pp 98-105)
JOHNS, Wilbur L. Explosive nature of uranium-base niobium alloys after immersion in nitric acid, 25:8840 (RFP-1575)
  Temperature-induced shape memory in polycrystalline uranium-base niobium alloys: characterization, 25:16441 (RFP-996)
JOHNSEN, Edwin G. Humanoids: the new remote systems technology, 23:2712
  Low-cost teleoperators: a new industrial concept, 25:4198
  Teleoperator controls, 23:19613 (NASA-SP-5070)
  Teleoperators and human augmentation, 22:27518 (NASA-SP-5047)
JOHNSEN, K. CERN intersecting storage ring project, 21:29726
  CERN intersecting storage ring project, 22:32246 (CEAL-2000, pp 58-63)
  CERN intersecting storage rings, 23:5730
  CERN intersecting storage rings, 25:20209
  Present state of development of intersection storage ring (ISR) project, 22:11834
  Report on the CERN 300 GeV study, 21:29706
JOHNSEN, Kjell CERN storage ring project, 21:38140
  Experiences during early running-in phase of ISR, 25:50319
  Experiences during early running-in phase of ISR, 25:53452
JOHNSEN, P. Investigation of scattering of fast neutrons by time-of-flight method by means of a Van de Graaff accelerator, 21:31770 (BMwF-FBK-67-04)
JOHNSEN, R. Ion—molecule reactions, He$^+$ + O$_2$ and He$^+$ + N$_2$, at thermal energies and above, 24:8345
JOHNSEN, R. C. Measure of x-ray induced X-Y and autosomal crossingover in spermatocytes of Drosophila, 21:18026
  Poisson analysis on the distribution of x-ray-induced crossovers in spermatocytes of Drosophila, 21:22385
JOHNSEN, R. E. Simplified procedure for cleaning electron-capture detectors of the concentric-tube design, 22:10656
JOHNSEN, R. H. Electron spin resonance studies on the photolysis of radicals produced in ethyl mercaptan and ethyl disulfide by x-irradiation, 21:42978
  Metastable ions in the Bendix time-of-flight, 22:8408 (TID-24192)
  Reactions of H atoms with solid carboxylic acids. A, 22:10155 (TID-24194)
  W-values in mixtures of gases containing ammonia, 24:48017 (ORO-2001-14)
JOHNSEN, Robert E. Respirator cartridge efficiency studies. III, 25:51349 (UCRL-51072)
JOHNSEN, Robert G. Respirator cartridge efficiency studies. I, 25:46416 (UCRL-73166)
JOHNSEN, Russell H. Iodine as a scavenger in irradiated hydrocarbons, 24:243
  Prog. rpt. on radiation induced effects in organic systems, 12/68—11/60, 24:9347 (ORO-2001-17)
  Ultraviolet photolysis of x-irradiated methanol at 77°K, 21:30474
JOHNSEN, S. J. Low-level beta counter (4π) using two Si—Au detectors, 22:6582
JOHNSEN, S. W. Energy measurements of 20 to 60 MeV neutron beam of Davis 76-inch isochronous cyclotron, 25:10861
JOHNSON, A. Analysis of elastic scattering of 14.5-MeV deuterons on isotopes between ^{54}Fe and ^{124}Sn, 22:44639
  Delayed neutron emission probabilities of Rb and Cs precursors, 23:17111
  Economics of the approach to equilibrium for AGR fuel cycle, 24:11130

Electronic instrumentation for a nonintercepting photon-beam monitor, 24:5375
Evidence for singularity in the nuclear rotational band structure, 25:53762
Extended range high-speed framing camera, 24:33619 (UCRL-72250)
Fuel design, manufacture, and management experience of HTRs, 23:37518
Fuel endurance and fuel cycles in magnox reactors, 21:14122
Half life of some short-lived isotopes of Rb, Sr, Cs, Ba, La, and identification of Rb as delayed neutron precursors, 21:21539
Mass-spectrometric method for study of short-lived Rb, Cs, and Na isotopes, 22:30033
Optimisation of AGR fuel cycle costs, 22:22730
Rotational spectrum of ^{161}Ho, 25:17895
Study of short lived Rb and Cs isotopes, 22:27168
JOHNSON, A. A. Thermal hardening in neutron irradiated vanadium, 24:21404
JOHNSON, A. B. Jr. Corrosion and failure characteristics of Zr alloys in high-pressure steam, 23:6638 (BNWL-SA-1929(Pt.2)(Rev.))
Corrosion and hydriding response and oxide properties of irradiated Zr alloys, 23:6637 (BNWL-SA-1719(Rev.))
Effects of radiation on properties of six Zr alloys, 24:34930
In-reactor corrosion of zirconium alloys, 22:19582 (BNWL-SA-1611)
In-reactor oxidation of Zr alloys, 24:1052
In-reactor oxidation of Zr alloys in pH—10 LiOH and pH—10 NH_4OH, 21:26863 (BNWL-SA-822)
Parameters which influence the in-reactor corrosion of zirconium alloys, 22:34009 (BNWL-SA-1719)
Radiation-enhanced oxidation of Zy—2, 21:39656 (BNWL-463)
JOHNSON, A. D. 2400-MeV 5π mass enhancement in 6-prong π^-p events at 12 GeV/c, 25:14562 (TID-25640)
Dominant processes in reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+p$ at 3.9 GeV/c, 24:51976
Effect of background on I = 2$\pi\pi$ scattering phase shifts, 23:14970
Features of reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^-\pi^+\pi^+p$ at 3.9 GeV/c, 24:45428 (UH-511-65-70)
Measurement of π π inelastic scattering cross-section in region of 1 GeV invariant mass, 24:42880 (UH-511-74-70)
Observation of 2400-MeV 5π mass enhancement in 6-prong π^-p events at 12 GeV/c, 25:1414 (UH-511-77-70)
Study of reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+p$ at 3.9 GeV/c, 23:36836 (UH-511-48-69)
Study of the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^-\pi^+\pi^+p$ at 3.9 GeV/c, 24:40274
Testis. Volume III. Influencing factors, 25:48432
JOHNSON, A. E. /sup 99m/Tc—technetium dioxide for liver scanning, 25:4413
Determination of glomerular filtration rate by external monitoring of ^{51}Cr labeled inulin, 22:28595
Lung, liver, and kidney scans with /sup 99m/Tc labeled dextran, 22:33892
Sephadex for organ localization of biologically active radionuclides, 22:43388
JOHNSON, A. G. Large artery damage after x radiation, 24:14614
JOHNSON, A. I. Use of nuclear meters in soils investigations, 23:2681
JOHNSON, A. J. Analysis of lead alloys by atomic absorption spectrophotometry, 22:1964 (RFP-1001)
Analysis of radioactive metals by spark source mass spectrometry, 23:24067
Determination of iron and nickel in uranium by atomic absorption spectrophotometry, 22:8026
JOHNSON, A. R. An electron microprobe study of rat incisor teeth with low or high concentrations of strontium, 21:41322
Incorporation and removal of Sr in tissues of rat, 23:22225
Polarization of 30- and 50-MeV protons elastically scattered from deuterons, 22:20445
Strontium incorporation into dental enamel, 21:10799
JOHNSON, A. W. Effect of Li salts on uptake of ^{125}I by rat thyroid gland, 24:36686
Sensitivity of nuclear emulsion at very low temperature, 25:57829
JOHNSON, A. Wayne Doppler and Boltzmann temperatures of a cylindrical, nonuniform plasma, 25:47505
Electronic recombination coefficient of molecular helium ions, 25:58714
JOHNSON, Albert E. Inulin labeled with ^{51}Cr, 23:20269
JOHNSON, Alfred D. Meson and baryon resonance production in the interaction $\pi^-p \rightarrow p\pi^-\pi^-\pi^+\pi^0$ at 3.9 GeV, 22:15791 (UH-511-18)
JOHNSON, Andrew J. Calcium—Pb alloy analysis, 21:35851 (RFP-978)
Installation of a flame spectrometer for the analysis of radioactive solutions, 24:18874 (RFP-1344)
Spectrophotometry of neptunium in nitric acid solutions, 21:34252 (RFP-958)
Thermal decomposition of Np(IV) oxalate, 24:29278
JOHNSON, Arlen Kent Investigation of noise in superconducting films, 21:18605
JOHNSON, Arthur G. Tritium considerations associated with operation of Cockcroft—Walton-type generators, 21:21367 (CONF-650616-25)
JOHNSON, Arthur Rinaldo Relationship of Ca and Sr in mineralized tissues of the rat, 21:22363
JOHNSON, B. E. Lysosomes and the reactions of skin to ultraviolet radiation, 23:41482
Ultraviolet radiation and lysosomes in skin, 22:51911
JOHNSON, B. G. Determination of trace elements in sodium, 23:34970 (AI-AEC-12799)
JOHNSON, B. L. Role of cations in radiation grafting and homopolymerization, 23:40757
JOHNSON, B. M. Containment systems experiment final program summary, 25:54155 (BNWL-1592)
Development of mathematical models of pressure-temperature transients in reactor containment systems during a loss-of-coolant, 21:40543 (BNWL-SA-844)
Formation of carbide and nitride fuel material in a spray reactor, 24:6252
Formation of intimate oxide—carbon mixtures of fuel materials as an intermediate for carbide and nitride fuels, 25:8923
Prog. rpt. on densification and encapsulation of isotopic fuels, final, 6/67, 21:32324 (BNWL-381)
JOHNSON, B. R. Classical and semiclassical limits in collision theory, 25:9228
Internal excitation in nonreactive molecular collisions, 22:43891
Multiple transition probabilities in the semiclassical approximation, 24:39861
Role of potential curve crossing in subexcitation molecular collisions, 23:27373
Rotational sub-excitation resonances in slow molecular collisions, 22:29283
Theory of vibrational excitation in the near classical limit, 25:30295
Transition probabilities in molecular collisions: computational studies of rotational excitation, 24:28102
JOHNSON, B. Robert Inelastic cross sections for rotational excitation of para and ortho H_2 upon collision with He, 22:38774
Solution of the nonrelativistic quantum scattering problem without exchange, 21:16792
JOHNSON, B. W. Cesium and rubidium studies in mice, 23:41199 (COO-119-239, pp 40-60)
Measurement of the effect of resonance width on resonance absorption of neutrons, 22:5716
Very intense neutron source, 24:30667 (IN-1304)
Very intense neutron source, 25:9954
JOHNSON, Barbara A. Dissolution of metal corrosion products in deionized water at 38°C (100°F), 24:4718
JOHNSON, Barrett G. Radiation chemistry of biochemical disulfides. I, 22:10271
JOHNSON, Beatrice Effects of gamma irradiation with ^{60}Co on erythrocytes of rats, 22:12913
JOHNSON, Bernard Robert New method for computing inelastic molecular scattering, 22:29249
JOHNSON, Betsy T. Paper thickness as factor in autoradiography of ^{14}C, 22:25247
JOHNSON, Betty G. Phenylfluorone method for determination of Ta, 23:34982
JOHNSON, Billy H. Plasma velocity determination by electrostatic probes, 24:17893
JOHNSON, Brian E. Response of human skin to ultraviolet light, 23:16401
JOHNSON, Bruce M. Process for fabrication of stoichiometric uranium monocarbide, 25:42939
JOHNSON, Bruce V. Containment experiments in vortex tubes with radial outflow and large superimposed axial flows, 21:35654 (NP-16786)
Containment experiments in vortex tubes with radial outflow and large superimposed axial flows, 22:39861 (N-68-18243)
Experimental study of multi-component coaxial-flow jets in short chambers, 23:23987 (N-68-36615)
Exploratory flow and containment experiments in a directed-wall-jet vortex tube, 22:37514 (N-68-17131)
Flow and containment experiments in a directed-wall-jet vortex tube with radial outflow, 21:35653 (NP-16785)
Gaseous nuclear rocket fluid mechanics, 21:35655 (NP-16787)
Open-cycle and light-bulb types of vortex-stabilized gaseous nuclear rockets, 22:44877
JOHNSON, Bryce Walby Study of the effect of resonance width on resonance absorption of neutrons in nuclear reactors, 22:26768
JOHNSON, C. Effect of cyclophosphamide on hematopoietic stem cells, 23:18099
Studies in mixed-oxide irradiated fuels, 24:7368
JOHNSON, C. C. Electron beam compression with electric and magnetic fields, 21:11391 (N-66-19088)
Laser sources for oxygen saturation and dye dilution studies (in vivo), 22:49215
JOHNSON, C. D. Beam intensity monitoring at CERN proton synchrotron, 22:46678
CPS gas-ionization beam scanner, 23:28160
CPS ionization beam scanner, 23:30855 (MPS/Int. CO-68-13)
Effects of electron-density fluctuations on plasma-column resonances, 22:48133
Existence of collective excitation energy losses from an electron beam passing through biological materials, 21:20074
Nondestructive proton beam profile scanners for CPS, based on ionization of residual gas in beam vacuum chamber, 22:46665
Radiosensitivity of foot-and-mouth disease virus, 24:34793
X-ray inactivation of foot-and-mouth disease virus and vesicular stomatitis virus in aqueous media, 24:48766
JOHNSON, C. E. Anisotropic hyperfine interactions in Fe^{2+} salts, 22:46790
Compatibility of carbide fuels with potential LMFBR claddings, 24:6247
Electron microprobe analysis of irradiated fuels, 24:25001
Experiments on 2^3P state of He. I, 22:26257
Feasibility study of the identification of fuel-cladding failures using sodium-soluble isotopic tags, 25:60083 (ANL-7785)
Fuel-clad interactions in mixed-oxide UO_2—PuO_2 fuel, 25:40109
Fuel-clad reactions in irradiated mixed-oxide fuels, 25:32799
Galvanic cells with fused-salt electrolytes, 22:24087 (ANL-7316)
Internal magnetic field at an antimony impurity in iron or nickel, 22:11528
Nuclear power in space, 21:23703
Precise measurement of 2^3P_0—2^3P_1 fine-structure interval of He, 25:43122
Radiative lifetime of metastable 2^1S_0 state of He, 25:4944
Structural problems in solid-state chemistry, 25:56380
Trace-element behavior in sodium, 23:45179 (ANL-7520(Pt.1), pp 291-4)
JOHNSON, C. F. Proton recoil spectrometer for neutron spectra between 50 and 450 MeV, 21:6224
JOHNSON, C. G. Analysis of ground motions at San Onofre Nuclear Generating Station April 9, 1968, 24:33811
JOHNSON, C. H. (p,n) cross sections and the strength functions for protons on In and on Sn isotopes, 25:20475
Cross section ^{89}Y(p,n)^{89}Zr near first two analogue resonances, 22:7670
Differential cross sections for low-energy (p,n) reaction, 23:37270
Differential scattering of neutrons at narrow levels in ^{17}O, 25:12404
Energy levels of ^{91}Nb, ^{93}Mo, ^{95}Tc, and ^{97}Tc via (p,n) reactions and the reaction Q-values, 24:38292
Low-lying states of ^{111}In, 23:37271
Proton strength functions for Sn, 23:40049
Reaction (p,n) to measure proton atomic stopping powers in Ag, Cd, In, and Sn, 22:30039
Scattering of neutrons from ^{16}O in the 2.2- to 4.2-MeV energy range, 21:46676
Spin-parity assignments for low-lying states in ^{95} ^{97}Tc, 25:31381
Spin-parity assignments via neutron decay of analog resonance, 21:38343
Total neutron cross sections of ^{9}Be, ^{14}N, and ^{16}O, 22:20449 (CONF-680307-15)
Twin-target technique for measurement of nuclear lifetimes by Doppler shift attenuation method, 22:39527
JOHNSON, C. L. Thyroidal impairment by ^{131}I in young chinook salmon, 21:22319
JOHNSON, C. R. Corrosion behavior of Zircaloy-4: evaluation of surface conditions, 21:6766
Determination of Co in 0.2 percent Al alloy, 21:38877 (PG-Report-789)
Effect of hydrogen on mechanical properties of Zircaloy-4, 22:4741
Effects of hydrogen and precipitated hydrides on mechanical properties of Zircaloy-4, 22:28776 (BAW-3765-6)
Gas permeability of vibratory compacted UO_2, 21:8160
High temperature emittance of coated refractory metal, 22:10961
In-service inspection of nuclear reactor vessels using an automated ultrasonic method, 24:38527
In-service inspection of nuclear reactor vessels by an automated ultrasonic method, 24:45840
JOHNSON, C. S. AM frequency division multiplex telemetry systems, 25:10374 (SC-M-70-684)
Comparison of CBW FM/FM and DSB/FM telemetry systems, 25:20888 (SC-DR-70-686)
JOHNSON, C. W. Effects of different schedules of dose fractionation on the oxygenation status of a transplantable mouse sarcoma, 24:21295
JOHNSON, C. Y. Daytime midlatitude ion composition measurements, 24:6432
Detection of Lyman-β and He resonance radiation in night sky, 22:34418
Positive ion composition of temperate-latitude sporadic E layer, 21:18530
JOHNSON, Carl E. Adjuvant therapy for advanced ovarian malignancy, 22:25913
Cladding interactions in mixed oxide irradiated fuels, 24:14987
Distribution of gaseous fission products in irradiated mixed-oxide fuels, 25:32805
Fast reactor systems for space power, 23:11308 (CONF-680419-, pp 41-60)
JOHNSON, Carl G. San Onofre experience with apparent power mismatch, 24:16112
JOHNSON, Carol F. Effect of gamma irradiation on nectarines and peaches, 22:15132
JOHNSON, Charles E. Electron mass shift in ^{133}Cs, 25:14514
Radiative lifetime of 2^1S_0 metastable state of He, 25:52624
JOHNSON, Charles M. Hydrogen isotopic analyzer, 21:43022 (RFP-999)
JOHNSON, Charles S. Jr. Mathematical description of magnetic resonance for spins that move, 22:9481
JOHNSON, Charles Y. Rocket observations of far uv nightglow at Lyman α and shorter wavelengths, 25:40488
JOHNSON, Choppala Devasahayam Sam Oogenesis of Mormoniella and radiation-induced mutations at the R locus, 23:41297
JOHNSON, Claiborne Pion-proton elastic scattering: low energy experiments and phase shift analyses, 22:20138 (UCRL-18001)
Pip elastic scattering, 24:5295
JOHNSON, Claiborne H. Measurement of polarization in π^-p elastic scattering from 229 to 390 MeV, 22:22319
Polarization in pion-proton scattering from 670 to 3750 Mev/c, 21:880
JOHNSON, Claiborne Holt Jr. Polarization in π^+ P scattering from 750 to 3750 MeV/c, 22:52943
Polarization parameter in π^+p scattering from 750 to 3750 MeV/c, 21:42264 (UCRL-17683)
JOHNSON, Clarence G. Jr. Gamma radiolysis of liquids at high pressures. VII, 23:47479
JOHNSON, Coates R. Motion of particles in Einstein's relativistic field theory. II, 25:53335
Motion of particles in Einstein's relativistic field theory. I, 25:53334
JOHNSON, Connor Amino acid destruction in beef by high energy electron beam irradiation, 22:8684
JOHNSON, Curtis C. Density and potential distribution in a cylindrical beam-generated plasma, 23:48883

JOHNSON, Curtis Drew Low-frequency waves in plasma column, 24:10592
JOHNSON, D. Double-Regge-pole description of reaction $K^-n \to K^-\pi^-p$ at 5.5 GeV/c, 25:30747
  $K^-\pi^-$ scattering using reaction $K^-d \to K^-\pi^-pp$, 24:42882
  $n\pi^-\pi^-$ mass distribution in reaction $K^-d \to$ anti $K^0\pi^+\pi^-\pi^-n$(p/sub s/) at 5.5 GeV/c, 25:25316
  Secondary electron detection in a field emission scanning microscope, 24:11789
  Simple scanning electron microscope, 23:2691 (COO-1721-6)
  Simple scanning electron microscope, 23:14099
JOHNSON, D. A. Analytical procedure for the spectrophotometric determination of uranium in ores and waters, 24:50328 (AAEC/TM-552, pp 5.7-12)
  Proposed Michigan State Univ. transuranic accelerator facility, 25:31085
  Spectrophotometric determination of U(VI), 23:49704
  Spectrophotometric determination of U(VI), 25:18352
  Variations in the relative stabilities of di-, tri-, and tetra-positive oxidation states of lanthanides and actinides, 23:35103
JOHNSON, D. A. G. Use of vanadium scattering to intercalibrate an array of thermal neutron detectors, 23:26531
JOHNSON, D. E. Lung perfusion and bronchial patency evaluation by radioisotope scanning. I, 23:18062
  Lung perfusion and bronchial patency evaluation by radioisotope scanning. II, 23:18067
  Pion—deuteron elastic scattering and Bakamjian—Thomas transformation theory, 24:52130
JOHNSON, D. F. Late effects of irradiation in large animals, 24:12233 (ORO-672, pp 43-61)
  Late effects of irradiation in large animals, 25:16313 (ORO-678, pp 36-40)
  Long-term observations of skin grafts between chimeric cattle twins, 25:46969 (COO-1210-67)
  Pathology report, 25:16319 (ORO-678, pp 65-73)
  Pathology, 23:10054 (ORO-661, pp 58-60)
  Pathology, 24:12239 (ORO-672, pp 78-81)
JOHNSON, D. H. Multifluid theory for stagnation flow of partially ionized plasma, 23:12826
  Multifluid theory for the stagnation flow of a preionized gas, 21:40002 (SC-RR-67-289)
  Nonequilibrium electron temperature measurements in a supersonic arc jet using a cooled Langmuir probe, 21:5246 (SC-DC-66-2267)
  Six-degree-of-freedom investigation of motion of two SNAP fuel capsule configurations re-entering atmosphere, 21:1526 (SC-TM-66-393)
JOHNSON, D. J. Mechanism of lithium-induced nuclear reactions, 24:40558
  Study of ^{6}Li + ^{12}C reactions, 25:3578
JOHNSON, D. L. "ACTICAY" fission product decay program, 21:7768 (HW-71984)
  Development of an 18-megavolt Marx generator, 23:26433
  Interaction between metallic elements, carbon, and oxygen in stainless steel—sodium systems, 22:23715 (NAA-SR-Memo-9329)
  Law of corresponding states for fcc and d-hcp La, 21:33308
  REBA: pulsed electron beam generator, 25:20136 (SC-DR-70-872)
  Second sound velocities in He II near T/ sub lambda/, 22:52708
  Site occupancy and bubble formation of helium in high purity aluminum, 24:44731
  Summary of Hermes flash x-ray program, 24:13223 (SC-RR-69-421)
JOHNSON, D. P. Experimental method for determining the absolute Moessbauer fraction, 24:47335
  Natural line widths of Moessbauer absorbers at variable low temperatures, 22:20062
JOHNSON, D. R. Applied research, 24:39369 (ORNL-4446, pp 251-70)
  Brachyphalangy in mouse, 23:43741
  Chemical damage along charged-particle tracks in polymers, 24:22708
  Determination of LET spectra. II, 24:14488
  Dose distribution functions for neutrons and gamma rays in anthropomorphous and radiobiological phantoms, 21:20180 (ORNL-P-2897)
  Energy and angular distribution of neutrons and γ rays, 23:50478 (CEX-65.11)
  Mechanisms and applications of nuclear track registration in polymers, 24:33869 (ORNL-TM-2826)
  Nonphotographic alpha autoradiography and neutron-induced autoradiography, 24:41658
  Radiation dosimetry studies at Health Physics Research Reactor, 21:30808 (ORNL-4113)
  Radiation survey and dosimeter intercomparison at HPRR, 23:4839 (ORNL-TM-2334)
  Radioisotope heat source and system developments, 24:22901
  Sensitive automatic counting of alpha particle tracts in polymers and its application in dosimetry, 24:25272
  Sensitive spectrometer for fast neutrons using ^{6}LiI(Eu), 24:4473
  Some studies on the chemical damage mechanism along charged particle tracks in polymers, 25:44609
  Total and exchangeable Na studies in swine and sheep using activation analysis and isotopic dilution, 24:36189
  Yield, energy, and angular distibutions of neutrons produced in graphite, Cu, and Ta targets irradiated with 63-MeV protons, 22:33822
JOHNSON, D. S. Electric conductivity of KCl in heavy water in the -2 to 12° range, 21:27952
JOHNSON, D. W. Effects of particle radiation from a disturbed Sun on atmospheric electricity, 21:18511
  Metallographic analysis of carbide structures in cast heat-resistant alloys, 25:58399
JOHNSON, Dave Bubble chamber track simulation program: simulate, 22:30858 (UCID-2753)
JOHNSON, David Management of functioning thyroid cancer, 23:22343
JOHNSON, David G. The barium distribution in sea water, 21:2952
JOHNSON, David John Reactions ^{6}Li + ^{12}C at bombarding energies from 9.0 to 14.0 MeV, 25:12418
JOHNSON, David L. Temperature differences and mutual friction in He II near T/sub lambda/, 25:30405
JOHNSON, David Lawrence Velocity of second sound near the lambda point, 25:7314
JOHNSON, David Lee Specific heat of fcc and d-hcp La from 1.0 to 10.0 deg K, 21:6799 (IS-T-124)
  Specific heat of fcc and d-hcp La from 1.0 to 10.0°K, 21:42003
JOHNSON, Delores Measurement of central and isolated pulmonary arterial and venous blood volume in dogs, 21:10954
JOHNSON, Delores E. Lung visualization and functional evaluation by two new radioisotope scanning methods, 21:39473
  Lung visualization and functional evaluation by two new radioisotope scanning methods, 22:38399
JOHNSON, Dennis Ray Mechanism and applications of nuclear track formation in polymers, 25:42070
JOHNSON, Donald Radioisotope irradiation of renal allografts, 21:43527
JOHNSON, Donald E. Gelation procedure for liquid-scintillation counting, 21:45047
  Prog. rpt. on radiation effects on oxidation states of biological systems, final, 7/65—7/66, 21:34561 (AD-639192)
JOHNSON, Donald F. Clinical and gross pathological findings in swine relative to late effects of mixed gamma-neutron and x-irradiation, 25:8773
  Late effects in cattle exposed to radioactive fallout, 21:26659
  Unilateral and bilateral exposure of swine to fission neutrons, 25:55334
JOHNSON, Donald L. X-ray air density sensor (X-15), 22:38135
JOHNSON, Donald R. Materials selection in the power industry, 22:52191
  Rotational constants for HCN and DCN, 25:57423
JOHNSON, Donald S. Jr. Apparatus for determining wall thickness utilizing radiation absorption, 23:20034
JOHNSON, Donald W. Supersonic and transonic deployment of ribbon parachutes at low altitudes, 25:48405 (SC-DC-714022)
JOHNSON, Douglas Kiester Stabilities of some rare-earth malonato chelate species in aqueous and methyl alcohol solution, 25:44260 (IS-T-474)
JOHNSON, Duane P. Resonant cross section for 14.4-keV gamma-ray absorption in ^{57}Fe, 24:35586
JOHNSON, E. B. Critical lattices of HFIR fuel elements, 21:30259 (ORNL-TM-1808)
  Criticality of aqueous solutions of 5 percent-enriched uranium, 21:8067
  Criticality of lattices of heat transfer reactor experiment fuel elements, 21:7895 (ORNL-TM-1566)
  Criticality of U(3.85) rods and cylindrical annuli in water, 24:33451
  Criticality of uranium of low enrichment in water, 23:37623
  Effect of steel—water reflectors on the criticality of low-enriched uranyl fluoride solution, 22:33065
  Effect of steel-water reflectors on the criticality of low-enriched uranyl fluoride solution, 22:35599 (K-D-2006)
  Evaluation of Ta for Hg containment in SNAP-8 boiler, 24:29941 (N-70-19707)
  National Criticality Data Center, 21:10507 (ORNL-P-2741)
  Reactivities of High Flux Isotope Reactor fuel elements 73 through 86, 24:29056 (Y-DR-27)
JOHNSON, E. C. Critical lattices of U(4.89) metal rods in water, 21:38714
JOHNSON, E. F. Energy-absorption device using expanded coiled tube, 24:41142 (SC-TM-69-290)
  Overall tritium balances in fusion reactors, 25:25167
  Tritium recovery in fusion power reactors, 25:25142 (MATT-801)
JOHNSON, E. G. Critical lattices of U(4.89) rods in water and in aqueous boron studies, 23:4374
JOHNSON, E. G. Jr. Theory for cyclotron harmonic radiation from plasmas, 22:19991
JOHNSON, E. L. Description of various methods of preparing polyamic acids and polyimides, 25:54349 (BDX-613-509)
JOHNSON, E. M. Control of radiation sickness with thiethylperazine (Torecan), 21:12915
JOHNSON, E. P. Stirring radioactive solutions when making thin 4π counting sources, 24:50526
JOHNSON, E. R. Analysis of the safeguards capabilities of material balance accounting systems in selected uranium and plutonium scrap processing, 25:54968 (IAEA-R-878-F)
  Determination of ^{18}O isotopic constitution of oxyanions using Raman scattering, 24:18882
  Development of safeguards procedures for scrap processing activities and associated studies, 25:21283 (IAEA-R-741-F)
  Effect of irradiation on the high-strain fatigue behaviour of a low-carbon and a low-alloy steel, 21:16625
  Nuclear fuel financing, 24:422
  Standards for nuclear fuel materials, 22:23798
JOHNSON, E. S. Recombination luminescence in irradiated silicon, 25:56294
JOHNSON, E. W. Life support II program, 25:330 (MLM-1757)
  Radioisojet microthruster test, 22:19044 (MLM-1437)
JOHNSON, Earl M. Entrainment of second sound in normal and superfluid He II, 23:27527
JOHNSON, Edwin Freeman Audio frequency electromagnetic properties of normal and superconducting indium, 22:15481 (NYO-2150-20)
  Audio-frequency electromagnetic properties of normal and superconducting indium, 22:11391
JOHNSON, Emil G. Jr. Neutron—gamma radiation response in seedlings of Hordeum, 23:45946 (ANL-7535, pp 125-7)
JOHNSON, Ernest F. Tritium recovery from fusion reactor blankets, 23:34462 (MATT-688)
JOHNSON, Ernest W. Sublimation of strontium sulfide and the dissociation energy of SrS, 23:9366
JOHNSON, Evan R. Cryogenic valve testing, 21:34418 (LA-DC-8846)
JOHNSON, Everett R. Chemistry and physics of high energy reactions, 23:11583
  Energy transfer in alkali halide matrices, 25:4096
  Kinetic isotope effect in the radiation-induced decomposition of crystalline potassium nitrate, 24:9411
  Prog. rpt. on mechanism of the radiation induced decomposition of inorganic molecular ions, annual, 1969, 24:41314 (ORO-3660-3)
  Prog. rpt. on radiation induced decomposition of inorganic molecular ions, 1970, 25:54633 (ORO-3660-4)
  Radiation-induced decomposition of inorganic molecular ions, 24:38969
JOHNSON, F. Vacuum system for Stanford storage ring, SPEAR, 24:52256 (SLAC-PUB-797)
  Vacuum system for Stanford storage ring, SPEAR, 25:25594
JOHNSON, F. A. Discrimination system for neutron identification and recognition of Cherenkov events, 24:11802
  Pulse-shape-discrimination circuit of wide range and high sensitivity, 22:6599
  Simple time-to-pulse-height converter for use with a pulsed accelerator, 22:18064
  Source-dependent contributions to photomultiplier noise, 25:2461
JOHNSON, F. Deborah Hodgkin's disease terminating in chronic myeloid leukemia, 22:6890
JOHNSON, F. E. Iterative procedure for fringe field shaping with laminated pole caps, 25:50496
JOHNSON, F. G. Engineering design of SGHWRs, 23:13391
  Safety of the SGHWR prototype, 23:13400
  Steam-Generating Heavy-Water Reactor: design, containment, and safety characteristics, 22:18454
JOHNSON, F. M. Prog. rpt. on biochemical analyses of mutant and polymorphic enzymes in allelic series in drosophila populations, 5/71, 25:34470 (ORO-3980-2)
  Two-photon absorption in reduced nicotinamide—adenine dinucleotide (NADH), 21:34613
JOHNSON, F. S. Lunar magnetosphere, 22:17212
JOHNSON, Francis S. Lunar atmosphere, 25:58679
JOHNSON, Frank Geoffrey Improvements in or relating to nuclear reactors, 21:21811
  Improvements in or relating to pressurized nuclear reactor installations, 21:46924
  Pressurised nuclear reactor installations, 22:16335
  Steam generating nuclear reactor systems, 22:16234
JOHNSON, Fred M. Effect of the laser on cellular respiration, 22:43444
JOHNSON, G. Gamma ray study of some levels in ^{41}Ca, 24:43234
  Linear polarization of some isotropically emitted gamma rays, 22:48468
  Low-lying states of ^{41}Ca, 24:28756
JOHNSON, G. A. Low-field ESR spectrum of Gd^{3+} in single-crystal ThO$_2$, 23:8686
JOHNSON, G. D. Corrosion studies of liquid metal heat pipe systems at 1000° to 1800°C, 25:2628
JOHNSON, G. F. R. Program for selecting first-line foremen, 22:20995 (ORNL-4231)
JOHNSON, G. Frank Neutron activation analysis technique for nail sodium concentration in cystic fibrosis patients, 25:29016
JOHNSON, G. K. Prog. rpt. on thermochemical studies, semiannual, 1—6/71, 25:44367 (ANL-7821)
JOHNSON, G. L. Separation of Pu from Pt, 21:34317 (LA-3149)
JOHNSON, G. R. A. Competitive electron attachment in gaseous halobenzene—benzyl chloride mixtures, 24:2220
  Conference on radiation chemistry and photochemistry, Newcastle upon Tyne, Eng., 9/66, 22:2148
  Effect of hydrogen atom and electron scavengers on the radiolysis of ammonia gas, 22:2127
  Effect of temperature on the neutralization of hydronium ions in the radiolysis of water vapor, 21:8339
  Electron capture processes in irradiated gaseous HCl, 22:16623
  Excitation and ionization in radiolysis of water vapor, 22:2159
  Formation of H atoms in radiolysis of water vapor, 21:15947
  Pressure dependence of the yield of ozone from the pulse radiolysis of oxygen at high dose rates, 24:11607
  Pulse radiolysis study of formation of triplet excited states of naphthalene, anthracene, and biphenyl in cyclohexane vapor, 23:38003
  Pulse-radiolysis study of the formation of benzyl radicals from benzyl chloride in cyclohexane in the gas phase, 23:31393
  Radiolysis of gaseous ammonia, 23:47534
  Radiolysis of hydrogen chloride and of propane + hydrogen chloride mixtures, 24:27133
  Reactions of electrons and hydrogen atoms with oxygen and methyl bromide in γ-irradiated water vapor, 21:40912
JOHNSON, G. T. Effects of rare earth elements and yttrium on microbial growth, 21:43348
JOHNSON, G. W. Nuclear explosives engineering, 24:27262
  Peaceful nuclear explosions, 25:15810
  Peaceful nuclear explosions, 25:54828
JOHNSON, Galway Branching ratio and spin level at 3614 keV in ^{41}Ca, 23:8962

- JOHNSON, Gerald K. Enthalpies of formation of PuO_2 and PuN, 23:27151
  - Enthalpy of formation of plutonium monocarbide, 24:51213
  - Fluorine bomb calorimetry, 22:2053
- JOHNSON, Gerald W. Constructive uses of nuclear explosives, 22:25562
- JOHNSON, Gregory E. Effect of DMSO on glutamic dehydrogenase, 23:33743
- JOHNSON, H. Radiocerium concentrations in ground-level air, 22:30716
- JOHNSON, H. A. Prog. rpt. on transient boiling phenomena, final, 5/66, 21:6131 (SAN-1013(Vol.1))
  - Transient boiling heat transfer to water, 25:48720
  - Transient boiling phenomena, 21:1223 (SAN-1013(Vol.2))
  - Transient heat transfer for turbulent flow over a flat plate, 22:6536
  - Transient void at high pressure, 21:38494
- JOHNSON, H. D. Total rate of body turnover of ^{75}Se in rats, 22:49278
  - Whole body ^{40}K loss as a predictor of heat tolerance in cattle, 25:13339
- JOHNSON, H. E. Atmosphere of Hg, 25:19467
  - Galactic winds, 25:27403
  - Gas-surface interactions for SNAP fuel particle reentry, 21:1199 (NAA-SR-Memo-11845)
  - Production and loss of ^{3}He in the Earth's atmosphere, 23:25234
  - Pulsars, 24:37064
- JOHNSON, H. G. Analysis of loss of cooling accidents, 25:8096 (BNWL-SA-3093(Vol.2), pp XII.1-126)
  - Fast flux test facility: ADOPT, 21:5682 (BNWL-308)
  - FFTF main heat transport system concept, 24:26800 (BNWL-554)
  - FFTF primary pump location, 22:35590 (BNWL-729)
  - Turn-to-turn voltage test methods used for electrical insulation of magnet coils, 21:30582 (CONF-661016, pp 95-102)
- JOHNSON, H. H. Environmental cracking in high-strength materials, 25:27175
  - Prog. rpt. on environment and fracture, 3/20/71, 25:35337 (NYO-3975-3)
- JOHNSON, H. JL. Photometric and spectroscopic observations of infrared stars, 24:27949
- JOHNSON, H. Kevin Magnetic-field accumulation in supergranules, 22:15300
- JOHNSON, H. L. 1 to 4 micron spectra of four carbon stars and Sirius, 23:51204
  - Additional observations of infrared stars, 21:20617
  - Bolometric corrections and effective temperatures of two giant stars in the globular cluster M3, 21:3613
  - Charts for Hyades stars, 23:8381
  - Infrared emission from circumstellar shells, 22:803
  - Infrared spectrum of NML Cygnus object, 23:8367
  - Interstellar extinction, 22:49957
  - Law of interstellar extinction for emission nebulae associated with O-type stars, 21:20708
  - Micron spectra (1 to 4) of four M stars and Alpha Tauri, 24:4894
  - Spectral-energy curves of subdwarfs. I, 22:29018
  - Spectral-energy curves of subdwarfs. II, 22:41226
  - Stellar and planetary spectra from 1.35 to 4.10 μ, 24:19555
- JOHNSON, H. M. Narrow-band and UBV photometry of GX3+1 and two Wolf—Rayet stars, 23:5147
  - Narrow-band and UBV photometry of Sco X-1, 22:41214
  - Narrow-band photometry of five combination-variable stars and the x-ray source Cyg X-2, 23:14455
  - Photoelectric scanner spectrophotometry of Sco X-1, 21:39753
  - Photoelectric scanner spectrophotometry of Cyg X-2, 22:17261
- JOHNSON, H. R. Neutral helium lines and departures from LTE in hot stars, 23:41779
  - Prog. rpt. on operating characteristics of heat pipe, final, IV, 4/69, 24:7550 (ORO-3411-12(Pt.4))
  - Ring shear test for quantitatively measuring adhesion of metal deposits, 25:49383 (SCL-DR-710040)
  - Separating large thin electroformed parts from mandrels, 24:16396 (SCL-DR-69-165)
- JOHNSON, Harold L. Astronomical measurements in the infrared, 22:7119
  - Colors of M supergiants, 21:39744
  - Infrared spectra for 32 stars, 24:46828
  - Infrared stars, 21:37044
  - Law of interstellar extinction in Perseus, 21:3580
- JOHNSON, Henry A. Conference on Beryllium Technology, Second, Philadelphia, 10/64. I, 21:4927
  - Conference on Beryllium Technology, Second, Philadelphia, 10/64. II, 21:4949
- JOHNSON, Henryka B. Bactericiadl activity of fixed phagocytes in irradiated and unirradiated mice, 23:35884
- JOHNSON, Herbert H. Sub-critical flaw growth, 22:52170
- JOHNSON, Herman R. Effect of some variables on the throwing power and efficiency of copper pyrophosphate solutions, 21:27873 (SCL-DC-67-22)
- JOHNSON, Hollis R. Ca II resonance lines in nonhomogeneous chromospheres, 24:10282
  - Chromospheres and polarization in late-type stars, 23:22725
  - Comparison of selected carbon stars and M stars at 1 micron, 22:26143
- JOHNSON, Horace Fractionation of bomb-produced rare-earth nuclides in the atmosphere, 23:38115
- JOHNSON, Horton A. Dependence of RBE on energy of fast neutrons for spermatogonia depletion in mice, 22:40912
  - Differential radiosensitivity of hepatic melanocytes of Amphiuma tridactylum, 22:21580
  - Dose to the cell nucleus from tritiated thymidine, 24:7728 (BNL-14124)
  - Dose to the cell nucleus from tritiated thymidine, 24:50889 (CONF-691212-, pp 315-23)
  - Effect of tritiated thymidine on mortality and tumor incidence in mice, 21:24600
  - Information theory and biology: critique and resynthesis, 23:43226 (BNL-50158)
  - Relationship between spontaneous and radiation-induced loss of specific molecular structure, 22:31048
  - Thermodynamic formulation of radiation dose rate, 24:46615
- JOHNSON, Howard Kevin Magnetic fields associated with supergranulation, 24:35091
- JOHNSON, Hugh M. Diffuse nebulae, 22:49952
  - Hβ photometry of the night sky, 25:19440
  - Observation and classification of the Nebula YM 29, 25:9047
  - Optical and radio investigations of sources of cosmic x rays, 25:49622 (AD-717665)
  - Peculiar nebula NGC 6302, 21:26942
  - Physical characteristics of Sco X-1, 21:6917
  - Physical characteristics of Sco X-1. II, 21:20694
  - Physical characteristics of SCO X-1. III, 23:8402
  - Possible old nova near Sco X-1, 21:3610
  - Radiofrequency observations of symmetric nebulae around Wolf—Rayet stars and O7f star, 25:43044
  - Sky near the brightest x-ray source in Scorpius. II, 24:23703
  - Sky near the brightest x-ray source in Scorpius. III, 25:16682
- JOHNSON, I. Cadmium—neptunium: partial phase diagram of the system, 23:24937
  - Reaction of PuO_2 with molten $MgCl_2$, 23:6200
  - Reduction of uranium dioxide in molten salt-metal systems, 23:19688 (ANL-7463)
  - Salt transport process for fast breeder reactor fuels, 23:38057
  - Salt transprt process for fast breeder reactor fuels, 23:2397
  - Uranium and plutonium purification, 23:38058
  - Uranium purification by the process of salt transport, 23:28938 (ANL-7524)
- JOHNSON, Irving Intermetallic phases in the systems of Zn with La, Ce, Pr, Nd, and Y, 21:20522
  - Partition of metals between liquid metal solutions and fused salts, 22:36473
  - Reduction of UO_2 by Mg or Ca, 24:19405
  - Solubility of uranium and plutonium in liquid alloys, 23:38976
  - Thermodynamics of Cd- and Zn-rich alloys in the Cd—La, Cd—Ce, Cd—Pr, Zn—La, Zn—Ce, and Zn—Pr systems, 24:25691
  - Thermodynamics of dilute solutions of neptunium in liquid magnesium, 24:32410
- JOHNSON, J. Compton scattering from H between 5 and 17 GeV, 25:1380
  - Forward photoproduction of vector mesons from H at energies from 6.5 to 17.8 GeV, 22:44307
  - High-energy photomeson production from hydrogen via the "u channel", 22:44308
  - High-energy photoproduction of charged pions at backward angles, 23:49030
  - Magnetic hyperfine interaction in muonic ^{209}Bi, 22:32611
  - Measurements of π^0 and eta^0 photoproduction at incident gamma-ray energies of 6.0 to 17.8 GeV, 22:41726
  - Nanosecond light source, XP-20, 22:4520
  - Neutral-boson photoproduction on hydrogen at high energies, 24:24208
  - Photoproduction of $K^+\Lambda$ and $K^+\Sigma^0$ from H at backward angles, 23:51834
  - Pi^0 photoproduction from H with linearly polarized photons, 25:12072
- JOHNSON, J. A. Pion production and elastic scattering in antiproton—proton collisions at 6.94 GeV/c, 22:50291
  - Retention time of ^{203}Hg in the human, 22:30939
- JOHNSON, J. D. Prog. rpt. on serrated yielding in single crystals of silver—indium alloys, 1971, 25:52322 (COO-916-24)
  - Target-to-detector transport code for low-energy p-p vacuum polarization and bremsstrahlung experiments, 24:30440 (LA-4274)
- JOHNSON, J. E. Calibration techniques for a crystal-type whole-body counter, 23:22213
  - Counting of ^{42}K by Cherenkov radiation, 23:49736
  - Determination of ^{137}Cs and related sampling problems of dairy cattle feeds, 1962—67, 22:51616
  - Fallout ^{137}Cs: direct aerial transfer as an important source of foliar deposition, 21:39414
  - Plan for emergency environmental surveys at Savannah River Plant, 22:36251 (DP-MS-68-1)
  - Plutonium movement in aquatic systems: a review, 25:55150 (CONF-710401-, pp 407-10)
  - Prog. rpt. on radioecology of natural organisms and systems in Colorado, annual, 1—12/70, 25:21613 (COO-1156-40)
  - Prog. rpt. on study of unsupported ^{210}Po for ion exchange in soil and uptake in vegetation, 8/15/67—5/1/68, 22:40659 (COO-1733-1)
  - Prog. rpt. on study of unsupported ^{210}Po for ion exchange in soils and uptake in vegetation, 1969—70, 24:34187 (COO-1733-10)
  - Prog. rpt. on study of unsupported ^{210}Po for ion exchange in soils and uptake in vegetation, 8/15/69—5/1/70, 24:34186 (COO-1733-9)
  - Prog. rpt. on unsupported ^{210}Po for ion exchange in soils and uptake in vegetation, 8/15/68—5/1/69, 23:33664 (COO-1733-3)
  - Relation of ^{40}K to moisture and fat of ground beef, 21:36530
  - Retention time of ^{203}Hg in the human, 22:30939
  - Skin absorption of plutonium, 24:50693
  - Speculative analysis of large vapor compression systems for nuclear desalination plants, 21:12226 (ORNL-TM-1657)
  - Transport of ^{137}Cs from fallout to milk, 24:7789
- JOHNSON, J. H. Bremsstrahlung produced in thick Al and Fe targets by 0.5 to 2.8-MeV electrons, 22:29205
- JOHNSON, J. L. Effect of trapped particles on nonaxially symmetric toroidal equilibria, 24:17962
  - Environmental testing of SNAP 10A instrumentation, 21:10717
  - Hydromagnetic equilibrium of a thin-skin, finite beta toroidal plasma column, 22:1266 (LA-3770, Paper B2)
  - Hydromagnetic equilibrium of finite-beta toroidal plasma column, 22:13512 (LA-3778)
  - Inertial and resistive effects in toroidal systems, 25:33215
  - Interchange instabilities in ideal hydromagnetic theory, 23:10690
  - Negative "V" stellarator, 21:3814
  - Resistive interchanges and negative V" criterion, 23:12887
  - Stability limitations for stellarators with sharp surfaces, 23:23169
- JOHNSON, J. M. High-temperature irradiation and post-irradiation analysis of uranium nitride fuel, 24:6286 (UCRL-50727)
  - Irradiation studies of uranium nitride, 23:51147 (UCRL-71703)
  - Post-irradiation microanalysis, 23:47370 (UCRL-71704)
  - Remote metallography facility at LRL, 24:351 (UCRL-71612)
  - Remotely operated cathodic etcher, 24:14130 (UCRL-71559)
  - Renovating and equipping the LRL beta—gamma hot cell facility, 24:5855
  - Renovating and equipping the LRL β—γ hot cell facility, 24:14229 (UCRL-71558)
  - "Windowless" macro-camera for hot cell use, 24:14131 (UCRL-71561)
- JOHNSON, J. O. Comprehensive program in neutron activation analysis in water quality, 25:31877
  - Shock-wave compression of porous magnesium and ammonium sulfate, 21:35793 (LA-DC-8407)
  - Water load of uranium, radium, and gross beta activity at selected gaging stations, water year 1960—61, 25:6424 (NP-18582)
- JOHNSON, J. R. Entrance heat transfer from a plasma stream in a circular tube, 22:7280
- JOHNSON, J. R. Jr. Error due to deflection in a two-axis measuring machine, 24:24985 (Y-1711)
- JOHNSON, J. S. Abstracts of papers: desalination information meeting, May 27—28, 1971, 25:37091 (ORNL-TM-3402)
  - Desalination research at Oak Ridge, 24:5579 (TID-25267)
- JOHNSON, J. W. Anodic disintegration of metals undergoing electrolysis in aqueous salt solutions, 21:12402
  - Anodic dissolution of polycrystalline Be, 23:22470
  - Electrochemical behavior of molybdenum in acid chloride solutions, 25:16513
  - Ion source modification for He^- ions, 23:27941
  - Scattering chamber for gaseous targets, 23:17045
- JOHNSON, Jack L. Separation and determination of radioactive cesium in milk, 21:2989
- JOHNSON, James D. Elastic scattering of protons and electrons from helium atoms in the Glauber approximation, 25:35868
- JOHNSON, James E. Balance of ^{137}Cs and K, and whole-body levels in young male subjects, 22:38218
  - Body composition of live animals as determined by ^{40}K, 21:32116
  - Feeding practices as a means of reducing the concentration of fallout ^{137}Cs in cow's milk, 21:380
  - Food chain transfer of ^{137}Cs from troposphere to man, 23:38553 (COO-1171-103)
  - In-vivo gamma-ray spectrometer for isotope metabolism studies in cattle, 21:1648
  - Influence of dietary K, Rb, or Na on retention time of radiocesium, 22:28341
  - Metabolism of radioactive Cs and K by dairy cattle, 22:30978
  - Prog. rpt. on $^{210}PoO_2$ metabolism in ruminants, 5/1/69—1/15/70, 24:31889 (COO-2044-1)
  - Prog. rpt. on $^{210}PoO_2$ metabolism in ruminants, annual, 1/15/70—1/15/71, 25:18890 (COO-2044-3)
  - Prog. rpt. on deposition and retention of simulated near-in fallout by food crops and livestock, 5/69, 24:17010 (AD-695683)
  - Prog. rpt. on food chain transfer of ^{137}Cs from troposphere to man, annual, 1/15/68, 22:21460 (COO-1171-82)
  - Prog. rpt. on food-chain transfer of ^{137}Cs from troposphere to man, annual, 1966, 21:26409 (COO-1171-62)
  - Reference models for clinical studies by isotope dilution, 24:13763
  - Retention of near-in fallout by field crops and livestock, 25:49076 (AD-715423)
  - Transfer of fallout ^{137}Cs from feed to meat, 24:34312
- JOHNSON, James Edward Metabolism of fallout ^{137}Cs in bovine, 21:28407
- JOHNSON, James Michael Effects of repeated low dose x-irradiation on discrimination and radiosensitivity, 23:26874 (N-68-36069)
  - Effects of repeated low-dose x-irradiation on discrimination and radiosensitivity, 22:51990
- JOHNSON, James R. Composite green structures for nuclear fuel element, 23:20496
  - Fuel elements, 23:38941
  - Neutral pion and ETA photoproduction from hydrogen at high energies, 24:51904 (SLAC-124)
- JOHNSON, James Robert Improvements in nuclear fuels, 21:35783
- JOHNSON, James Russel Neutral pion and eta photoproduction from hydrogen at high energies, 25:43529
- JOHNSON, James S. Jr. Hyperfiltration with dynamically-formed membranes, 21:24068 (ORNL-P-2961)
- JOHNSON, John Magnetic hyperfine structure of muonic atoms, 25:7856
- JOHNSON, John Alan Nuclear structure effects in the magnetic hyperfine interaction, 25:23086

- JOHNSON, John E. Jr. Radiolysis of malachite green dye solutions, 24:31428
- JOHNSON, John L. Application of energy principle to axisymmetric devices, 23:51714
  - Application of the energy principle to astron-type and other axisymmetric devices, 23:8572 (MATT-653)
  - Classical diffusion of a stationary toroidal plasma, 23:14751
  - Determination of stellarator equilibria using guiding-center equations, 23:20881
  - Determining shape of magnetic surfaces in toroidal configurations containing plasma, 25:40690
  - Effect of pressure on negative V'' stellarators, 21:15208
  - Equilibrium and stability of a sharp-surface stellarator with a longitudinal current, 24:51698
  - Fluid description for toroidal low β confinement, 23:1359 (LA-3990, pp D4.1-5)
  - Geodesic acoustic waves in hydromagnetic systems, 23:1476
  - Hydromagnetic equilibrium and stability, 21:18616
  - Interchange instabilities in ideal hydromagnetic theory, 21:31467 (MATT-447)
  - Livermore $l = 2$ stellarator, 21:27112 (MATT-530)
  - Numerical model for toroidal plasma containment with flow, 25:14236
  - Numerical simulation of toroidal plasma confinement with a fluid model, 25:56129
  - Tokamak equilibrium, 25:19716
  - Use of two-dimensional slab models in hydromagnetic stability theory, 21:40041
- JOHNSON, Joseph E. Isospin mass differences, 25:38696
  - Position operators and proper time in relativistic quantum mechanics, 23:36991
  - Proper-time quantum mechanics. II, 25:30983
- JOHNSON, K. Anomalies of the axial-vector current, 23:42622
  - Asymptotic form of the electron propagator and the self-mass of the electron, 25:33827
  - Current algebras in a simple model, 21:13737
  - Far infrared studies of the pair mode in $MnF_2:Fe^{3+}$, 24:50285 (NYO-2391-120)
  - High current electron linac, 25:50419
  - High current pulsed electron source: Van de Graaff, 21:7613
  - Nanosecond pulse radiolysis studies of the reaction of ions in cyclohexane solutions, 22:21129
  - Possibility of finiteness of ordinary quantum electrodynamics, 21:11807
  - Quantum electrodynamics at small distances, 23:46798
  - Radiative corrections to β decay and the quantum numbers of fields underlying current algebra, 21:29492
  - Simplified equation for the bare charge in renormalized quantum electrodynamics, 25:33828
  - Vacuum polarization in quantum electrodynamics, 22:5644
- JOHNSON, K. A. Automated camera for hot cell metallography, 25:57627
  - Binary systems of Pu with Pr, Nd, and Sm, 23:12341
  - Chemical etchant for $(PuTh)O_2$ ceramic microscopy, 25:58354
  - Conference of International Metallographic Society, Inc., San Francisco, 9/69, 24:25665
  - Grinder-polisher for hot cell use, 24:25194
  - Melting behavior of (U,Pu) monocarbides, 25:11507
  - Metallography, 22:2656
  - Plutonium—lanthanum system, 21:28790
  - Proceedings of the first annual technical meeting of the International Metallographic Society, Inc., Denver, 11/68, 23:29957
  - Proceedings of the third annual technical meeting of the International Metallographic Society, Inc., Cleveland, Ohio, November 16—18, 1970, 25:58396
  - Repairing a large tritium-contaminated system, 24:31645 (UCRL-50850)
  - Ternary system Pu—Ce—Co, 21:4957
- JOHNSON, K. Allan Alternating current electro-polishing and electro-etching of metals, 24:25668
- JOHNSON, K. D. B. Survey of present and future desalination processes, 22:30423
- JOHNSON, K. G. Breast cancer after exposure to atomic bombings of Hiroshima and Nagasaki, 23:38744
  - Lung cancer following atomic radiation, 23:20270
  - Radiation-related leukemia in Hiroshima and Nagasaki 1946—1964. II, 21:28581
- JOHNSON, K. I. Factors affecting the adhesion of titanium and molybdenum couples, 21:30985
- JOHNSON, K. O. Subassembly Test Program outline for FY 1969 and 1970, 23:47268 (IN-1313)
- JOHNSON, K. P. Fuel melting incident at the Enrico Fermi Atomic Power Plant, 22:16183
  - Launch and mission influences on space propulsion system design, 25:10289
  - Nonintegral burn of nuclear rockets, 23:45115
- JOHNSON, K. W. R. Thermal conductivity of uranium—plutonium carbide fuels, 22:768 (LA-DC-9059)
  - Thermal conductivity of uranium—plutonium carbides, 24:6269
- JOHNSON, Kaye Allan AC etching of Pu, 23:3042
- JOHNSON, Keith David Bebb Improvements in desalination apparatus, 24:26819
- JOHNSON, Keith O. Transducer for measurement of transient velocities, 22:43175
- JOHNSON, Keith W. Numerical equation of state for argon, 23:26145 (UCRL-50579)
- JOHNSON, Kenneth Recent developments in quantum electrodynamics, 22:39475
- JOHNSON, Kenneth G. Atherosclerosis in a defined Japanese population, 22:49431
  - Coronary heart disease in Hiroshima, 23:14224
  - Development of children exposed in utero to atomic bombs, 22:8574
  - In utero exposure to Hiroshima atomic bomb: evaluation of head size and mental retardation twenty years later, 21:26486
  - Lung cancer and atomic bomb exposure, Hiroshima—Nagasaki, 1950—66, 23:41417 (ABCC-TR-12-67)
  - Mental retardation in children exposed in utero to the atomic bombs in Hiroshima and Nagasaki, 22:10809
  - Rheumatoid arthritis in Hiroshima and Nagasaki, 21:28637
  - Thyroid carcinoma in atomic bomb survivors, 23:29710
  - Thyroid carcinoma in atomic bomb survivors, Hiroshima and Nagasaki, 24:816 (ABCC-TR-4-68)
- JOHNSON, Kenneth P. Operating experience with Fermi fuel handling cask car, 24:467
  - Remote maintenance during recovery from Enrico Fermi fuel melting incident, 25:5907
  - Remote retrieval and removal operations in the Fermi reactor, 23:47089 (ANL-7520(Pt.2), pp 39-51)
- JOHNSON, Kent Automatic ion-beam path stabilizer, 21:44483
- JOHNSON, Kent R. Power spectrum on radar returns from underdense, turbulent, ionized gas, 24:26262
- JOHNSON, Kurt P. Nuclear shuttle for interorbital and transplanetary applications, 25:37089
- JOHNSON, L. Adsorption and absorption of hydrogen by niobium, 25:55434 (RLO-2221-T-7-3)
  - Confinement properties of the levitated spherator, 25:17127
- JOHNSON, L. C. Effects of collisional drift waves on plasma density, 23:44475
  - Electrical conductivity of a partially ionized gas, 21:29208
  - Electron temperatures from He I intensity measurements, 23:44397
  - Fully-ionized barium plasma source, 21:44125
  - Nonequilibrium excitation of neutral helium in plasmas of moderate density, 21:18680
  - Particle and energy balance in the ST Tokamak, 25:38338 (CONF-710607-32)
  - Plasma diagnostics with ionized barium and tunable dye lasers, 23:39454
  - Preliminary investigation of ohmically-heated plasmas in the model ST Tokamak, 25:30459 (MATT-813)
  - Rates of electron impact transitions between excited states of helium, 24:12788 (MATT-610)
  - Rates of electron-impact transitions between excited states of helium, 24:3320
- JOHNSON, L. D. Oscillator strengths in magnesium porphin, 21:44975 (ORNL-TM-1951)
- JOHNSON, L. J. Distribution of Pu and Am following PuO_2 implants, 25:16012
  - Lymphosarcoma associated with nodal concentration of plutonium in dogs: a preliminary report, 24:41976
  - Use of whole body counting technique in radiation protection program, 21:26432
- JOHNSON, L. L. Semiclassical treatment of collision-induced dissociation, 25:9197
- JOHNSON, L. M. Two-range system for ex-core neutron flux monitoring, 24:40941
- JOHNSON, L. O. Direct-coupled gamma-ray spectrometer for high counting rates, 24:39332
  - System requirements for high-resolution gamma-ray spectrometry, 23:41039 (EUR-4289, pp 141-8)
- JOHNSON, L. V. Numerical construction of decay schemes, 25:5635
  - Reaction $^{75}As(n,\gamma)^{76}As$, 22:32547
  - Study of thermal neutron capture in potassium, 24:47624
- JOHNSON, LaMar J. Experience with handling transuranium elements at Los Alamos, 25:37798 (EUR-4612, pp 327-51)
  - Kinetics of lymph node activity accumulation from subcutaneous PuO_2 implants, 24:25383
  - Translocation and distribution of Pu and Am from PuO_2 subcutaneous implants in beagles, 24:11904 (COO-1787-6)
- JOHNSON, LaMar John Distribution of Pu and Am from PuO_2 subcutaneous implants, 25:21560
- JOHNSON, Larry Alan Gamma radiolysis of frozen aqueous solutions of thymine, 25:39537
- JOHNSON, Larry Claud Excitation of neutral He in non-LTE discharges, 21:18759
- JOHNSON, Lawrence Radiosensitivity of the gastric mucosa, 22:45440
- JOHNSON, Loering M. Method and apparatus for continuous monitoring and control of neutron absorption properties of chemical shim, 25:54069
- JOHNSON, Lowell E. Nuclear once-through steam generator, 24:46077
- JOHNSON, M. B. Form factors for inelastic scattering: code ATHENA IV, 23:49447 (ORNL-TM-2703)
  - Inelastic electron and proton scattering from nuclei, 21:29902
  - LYNNE: multipole expansion of Woods—Saxon potential, 21:12081 (ORNL-TM-1709)
- JOHNSON, M. C. Combined surgical and radiation injury. V, 25:32537
  - Techniques for suppressing anomalous response to vacuum ultraviolet radiation in the charged-particle lunar environment experiment, 22:51230
- JOHNSON, M. H. Absorption of K^- mesons in nuclear surfaces, 23:40104
- JOHNSON, M. K. Counting of Cherenkov radiation from ^{32}P, 23:35483
- JOHNSON, M. L. Design and analysis of SEFOR Core I, 24:43763 (GEAP-13598)
  - Evaluation of effect of design and operating variables on SEFOR fuel and fuel cladding, 22:22695 (GEAP-5309)
  - SEFOR fuel handling, 24:7130
  - SEFOR fuel handling, 24:20601 (GEAP-13565)
- JOHNSON, M. P. X-ray fluorescence technique for the study of segregation in steel, 21:11244
- JOHNSON, M. T. NERVA reactors, 25:51198
- JOHNSON, M. W. Crystal structure and the lower phase transition in solid deuterium bromide, 22:15602
- JOHNSON, M.-L. T. Dermatological observations in A-Bomb survivors of Hiroshima and Nagasaki, Japan, 23:29709
- JOHNSON, Marie-Louise T. Spleen shielding in survivors of the atomic bomb, 22:21559
- JOHNSON, Melvin L. Nuclear reactor fuel element hold-down and tightening mechanism, 25:18250
- JOHNSON, Merrill C. Effect of neutron-gamma radiation on the morphology of the mucosa of the small intestine of germfree and conventional mice, 25:32556
- JOHNSON, Mikkel B. Folded diagrams, 25:43519
  - Solution for the temperature distribution in gaseous-fueled cavity reactors, 22:32940
- JOHNSON, Milton R. Shock-induced flow interactions with transverse magnetic fields, 21:18754
- JOHNSON, N. D. Decay of ^{108}Ag, 25:31382
- JOHNSON, N. L. Evaluation of the sperry ultrasonic wheel inspection unit, 24:21035 (BNWL-1302)
- JOHNSON, N. M. Color centers and thermoluminescence process in LiF:Mg, 23:1516 (NYO-3474-5)
  - Prog. rpt. on color centers, energy storage, and thermoluminescence in LiF crystals, 1—9/67, 22:1296 (NYO-3474-3(App.))
  - Prog. rpt. on color centers, energy storage, and thermoluminescence in LiF crystals, 22:1298 (NYO-3474-4)
  - Thermoluminescence and color center correlations in dosimetry LiF, 24:32910
  - Thermoluminescence and color centers in LiF, 21:27249
- JOHNSON, N. P. Deeply inelastic proton—proton collisions, 24:8565
  - Pion production in proton—proton collisions, 24:1509
- JOHNSON, N. R. Decay of ^{88}Rb, 22:26942
  - Decay of ^{94}Ru to levels in ^{94}Tc, 21:19252
  - Systematics of $K\pi = 0$- and 1-octupole bands in transitional nuclei, 24:43354
  - Zero spin for the 1482.6-keV level in ^{74}Ge, 24:43209
- JOHNSON, Neil B. Time-of-flight test of a slotted disk velocity selector, 24:25969
- JOHNSON, Noah R. Band mixing in ^{152}Sm and ^{154}Gd, 22:5859
  - Beta- and γ-vibrational bands of ^{152}Sm and ^{154}Gd, 23:31044
  - Decay of ^{108}Ag, 25:31382
  - Decay of ^{72}As to the levels of ^{72}Ge, 25:31261
  - Decay of ^{74}As, 23:40025
  - E0 admixtures in $\Delta I = 0$ transitions between $K = 0$ vibrational and rotational, 22:20651
  - Levels in ^{110}Cd populated in decay of 69 min /sup 110g/In, 24:6926
  - Monopole matrix elements for E0 transitions in ^{152}Sm and ^{154}Gd, 22:27186
  - Properties of the β- and γ-vibrational bands in ^{152}Sm and ^{154}Gd, 23:44906
  - Search for members of the two-phonon triplets in ^{80}Se and ^{80}Kr, 21:31757
  - Search for the O^+ member of the two-phonon triplet in ^{110}Cd, 24:38277
  - Studies of the radioactive decays of ^{152}Eu and ^{154}Eu, 25:7879
- JOHNSON, Noye M. Natural thermoluminescent dosimetry in late Pleistocene pelagic sediments, 24:332
  - Radiation dosimetry from the natural thermoluminescence of fossil shells, 22:8219
  - Radiation dosimetry, correlation, and dating of calcareous deep-sea cores, 23:49931 (NYO-3860-2)
- JOHNSON, O. Civil engineering works at Bradwell, Latina, Dungeness, and Oldbury, 21:10169
- JOHNSON, O. E. Levels of ^{91}Y from decay of ^{91}Sr, 23:37210
  - Measurement and distorted-wave Born-approximation analyses of the 18.7-MeV cross sections for the $^{23}Na(\alpha,d_{0,1})^{25}Mg$ reactions, 21:29944
  - Measurement and distorted-wave Born-approximation analyses of 18.7-MeV cross sections for $^{27}Al(\alpha,d_{0,1})^{29}Si$ reactions, 22:20553
  - Measurements and distorted-wave Born-approximation analyses of some 13.9-MeV differential cross sections for reactions $^{14}N(^3He,\alpha)^{13}N$, 22:18137
  - Measurements and DWBA analyses of some 13.9-MeV differential cross sections for the reactions $^{14}N(^3He,\alpha)^{13}N$, 22:26905
  - Reactions $^{31}P(\alpha,d_{0,1})^{33}S$, 21:13833
  - Study of some $^{12}C(^3He,\alpha)^{11}C$ reactions at 13.9 MeV, 22:37298
- JOHNSON, O. S. Dose rate—total dose effect from single short-duration gamma-ray exposures on survival time in mice, 21:45641
  - Gamma-radioresistance and activity in mice, 24:34713
  - Kinetics of injury and repair in monkeys and dogs exposed to γ-ray fractionation, 23:38791
- JOHNSON, O. W. Dielectric loss and radiation damage in rutile, 24:30400 (TID-25434)
  - EPR studies of Ti interstitials in n-type rutile, 22:9421 (COO-1284-6)
- JOHNSON, Odell A. Chromosomal translocation heterozygotes in the house fly, 24:36738
- JOHNSON, Olin G. Use of an array processor in the solution of partial differential equations, 24:33513
- JOHNSON, Owen W. IR absorption spectrum of H^+ in rutile, 22:3163 (COO-1434-04)
  - Prog. rpt. on interstitial diffusion in non-metallic crystals, 8/67, 21:44150 (COO-1434-3)
- JOHNSON, P. Application of the dilution principle to the measurement of gas flow rates in large-scale chemical processes, 22:14720
  - Residence-time distribution studies in chemical processes using radiotracer techniques, 22:14704
- JOHNSON, P. B. Absolute cross sections of $^{39}K(n,p)^{39}Ar$ and $^{39}K(n,\alpha)^{36}Cl$ reactions for 2.46-MeV neutrons, 21:13844
  - Associated gamma ray time of flight spectrometer with high neutron efficiency, 25:37636
  - Compilation of π^-p data at 4 GeV/c, 23:14976
  - Contribution of vector meson exchange to rho$^-$ production at 4.2 GeV/c, 21:29455
  - Determination of the S-wave $\pi\ \pi$ phase shifts in rho region from 4.16 -GeV/c π^-p interactions, 22:5578

Examination of rho° density matrix elements used for vector-dominance-model tests, 24:37795
Low energy $\pi\pi$-phase shifts from Coulomb interference, 22:48312
Magnetic analyzer for the detection of ^{3}He recoil particles from D(d,n)^{3}He reaction, 22:36084
Observations of an I = 0 $\pi^-\pi^+$ resonance at a mass of 1.05 GeV, 22:41739 (COO-1428-84)
Piπ S-wave phase shift in the rho region taking into account absorption effects, 21:11774
Reaction $\pi^-p \rightarrow \pi^-\pi^0p$ at 8 GeV/c, 24:3533
Reactions $\pi^-p \rightarrow p\pi^+\pi^-\pi^-\pi^0$ and $\pi^-p \rightarrow n\pi^+\pi^+\pi^-\pi^-$ at 8 GeV/c, 24:28496
Study of deuterium implantation in a copper drive-in target, 25:50204
Study of I = 0 $\pi^-\pi^+$ resonance at mass of 1.06 GeV, 23:3652
Two-charged-particle final states from π^-+ p interactions at 2.7 GeV/c, 21:15269

JOHNSON, P. C. Evaluation of methods for measuring cardiac output, 23:29615

JOHNSON, P. E. Control and reduction of oil mists from mechanical vacuum pumps, 23:48077 (TID-25085)
Defect clusters in silicon p—n junctions, 23:41182 (COO-1624-17)
Evaluation of improved fire resistant glove materials for gloveboxes, 23:43439 (TID-25086)

JOHNSON, P. F. Dosimetry of /sup 113m/In, 23:33722
Red cell survival time in man, 22:48832
Semiconductor probe for dose-rate measurements, 23:16096
Stable Cr as a tracer for red cells, with assay by neutron activation analysis, 23:11476

JOHNSON, P. G. Relative reaction rates in seed-blanket slab assemblies with H-to-Th ratios of 0.51, 1.55, and 5.1, 21:17533 (WAPD-TM-615)

JOHNSON, P. J. Activation shapes in ^{233}U- and ^{233}U—Th seed-blanket critical assemblies, 22:6116

JOHNSON, P. L. Background radiation in aquatic habitats in Alaska, 23:18007 (CONF-670503-, pp 319-28)
X-ray gaging system for density determination of encapsulated materials, 24:16369 (MLM-1645)

JOHNSON, P. M. Image intensifier scintillation camera and single-crystal camera, 23:33467
Neutron induced reactions in silicon semiconductor detectors, 25:45978
Regional myocardial perfusion utilizing radioactive Xe, 24:21236

JOHNSON, P. R. Two-prong π^- interactions at 4.16 GeV/c, 22:11590

JOHNSON, P. W. Monte Carlo calculations of thermal neutron diffusion area in a fuelled cell, 24:46110 (RD/B/N-1674)
New version of PRIZE program for collision probability calculations in R—Z geometry, 24:9161 (RD/B/N-1410)
Polarization in K-nucleon scattering, 24:3665
Results on temperatures, ratings, and control for axial loadings with a burnable poison scheme, 24:5502 (RD/B/N-1369)
Thermal neutron diffusion and rethermalization in hydrogenous materials, 22:29874
Thermal-neutron diffusion in aqueous absorbing solutions, 23:34711
WHIST: program for processing WIMS output, 24:28995 (RD/B/N-1579)

JOHNSON, Paul G. Coupled reactors in nuclear rocket applications, 21:40657
Nuclear rockets based on graphite reactor technology, 22:16257

JOHNSON, Peter K. Perspectives in powder metallurgy. I, 21:41564
Vibratory compacting. Principles and methods, 22:2564

JOHNSON, Peter N. Contact potential change accompanying size effect semimetal to semiconductor transition, 24:31158 (COO-1699-15)

JOHNSON, Philip Bruce S-wave $\pi\pi$ scattering in π—p interactions at 2.7 and 4.2 GeV/c, 22:24562

JOHNSON, Philip C. Handling of ^{133}Xe in clinical studies, 25:21769
Medical radiation exposure survey, 24:48568
Personnel monitoring in a nuclear medicine laboratory, 25:46853
Phosphorus-32 uptake in lichen sclerosus et atrophicus of the vulva, 22:45398
Radiation safety hazard of Chlormerodrin, 23:14204
Radiation safety problems with the double isotope assay of aldosterone, 24:31970

JOHNSON, Philip L. Aerial sensing and photographic study of the El Verde rain forest, 25:21634 (TID-24270, pp B.63-78)
Hemispherical photographs at El Verde, 25:21945 (TID-24270, pp D.309-11)

JOHNSON, Philip M. Cerebral blood flow studied with the image intensifier camera, 22:28614
Clinical scintillation scanning, 23:50725
Diagnosis of metastatic tumor in bone using the digital multicrystal camera, 25:37847
Evaluation of image-intensifier scintillation camera, 23:38679
False-positive hepatic scan, 21:22647
False-positive hepatic scan, 21:41441
Initial evaluation of /sup 113m/In as agent for placental blood pool imaging, 23:33764
Ischemia of the lung due to ionizing radiation: quantitative studies, 24:41984
Liver, 23:50732
Lung scanning in detecting pulmonary embolic disease, 24:6079
Placental scanning with Na pertechnetate /sup 99m/Tc serum albumin, 21:39466
Quantitative color scintiphotography, 24:34445
Radiation induced hepatic injury. Its detection by scintillation scanning, 21:20354
Real-time isoactivity contour plotter for rectilinear scanners, 24:36669
Scintiphotography of regional myocardial blood flow, 24:29804
Spleen, 23:50737
Splenic masses detected by scintillation imaging and contrast tomography, 25:24234
Status of placental scanning with technetium bound to serum albumin, 22:49398

JOHNSON, Philip Neal Effect of veratridine on sodium-sensitive radiocalcium uptake in frog sartorius muscle, 24:14411

JOHNSON, Porter High-energy fixed-angle potential scattering, 23:1709
Orear behavior in potential scattering, 22:41876

JOHNSON, Porter W. Crossing symmetric Bethe—Salpeter equations and the generalized ladder graphs, 25:50168 (ORO-3992-57)
Orear behavior in potential scattering. II, 23:30840
Regge trajectories at high energies for a class of analytic potentials, 25:53399
Solution of nonrelativistic partial-wave dispersion relations, 23:36862
Solutions of partial-wave dispersion relations. II, 24:13191

JOHNSON, Porter Wear Bounds in scattering theory, 22:46555

JOHNSON, Pratt H. Chemical and mineral composition of Lost City meteorite, 25:40153

JOHNSON, Preston B. Proposed superconducting thin-film tunneling junction with negative resistance above temperatures of boiling helium, 22:46056

JOHNSON, Q. Irreversible phase transition and compressibility of terbium, 23:8244

JOHNSON, Q. C. Some observations on the chemistry of uranium and plutonium in anhydrous acetic acid, 21:40833

JOHNSON, Quintin Crystal structure of Ho$_{11}$Ge$_{10}$, 23:14370
Crystal structure of protactinium pentachloride, 21:10346
Crystal structure of Pu$_3$Zn$_{22}$, 22:38581
Crystal structure of RhBe$_{6.6}$, 24:25734
Crystal structure of uranium pentachloride, 21:12405
Crystal structure of YbPt, 25:42892
Crystallography of binary intermetallic compounds, 23:8210 (CONF-681020-(Vol.2), pp 499-510)
Intermetallic 2-17 stoichiometry: crystal structure of Th$_2$Fe$_{17}$ and Th$_2$Co$_{17}$, 23:46075
Refinement of Th$_2$Ni$_{17}$-type structure: CeMg$_{10.3}$, 23:14358
Refinement of Th$_2$Zn$_{17}$ structure: Pr$_2$Fe$_{17}$, 23:14356
Refinement of the crystal structure of ThCl$_4$, 24:11516
X-ray detector for dynamic diffraction studies, 25:42210

JOHNSON, R. Comparisons of aerosol experiments with a model used in reactor siting evaluation, 25:20757 (CONF-700816-(Vol.1), pp 26-48)
Disposal of solid wastes generated in fluidized-bed fluoride volatility fuel reprocessing, 23:26491 (BNL-50139)
Innovation in control panels for large computer control systems, 25:50383
Prog. rpt. on generalized model for semiconductor radiation response, 9/15/65—2/15/66, 21:6367 (AD-635228)
Reactor development, 23:13521 (AI-AEC-12721, pp 111-29)
SLAC control room consolidation: software aspects, 25:50378
System for detecting coincidences between a large number of counters using a minimum of electronics, 25:32248

JOHNSON, R. A. 25-kWe reactor—thermoelectric power system for space stations, 25:44171
Adaptation of nuclear space power plants to marine applications, 21:42788
Amplitude-dependent ultrasonic attenuation in normal and superconducting lead, 21:2178
Interatomic potentials for point defect calculations for Nb, Mo, Ta, and W, 21:36860 (BNL-11594)
Radiation-induced addition of hydrogen chloride to ethylene in the gas phase, 23:13791
Reactor-thermoelectric system for NASA space station, 23:49599 (AI-AEC-12839)
Theory of flat-plate ion-density probe, 22:24265

JOHNSON, R. C. Analyticity, unitarity, and nonresonant background scattering, 24:37766
Are there three vacuum trajectories, 22:32136
Argand-diagram loops and Regge poles, 23:15091
Bootstrap of pion—pion scattering in the unitarized strip approximation, 23:42779
Contribution of deuteron breakup channels to deuteron stripping and elastic scattering, 24:38343
Contributions from the d-state of the deuteron to deuteron polarization in (p,d) reactions, 21:21613
Deuteron optical potential, 22:20727
Doubled trajectories and π^-p charge exchange scattering, 24:42968
Effect of the D-state of the deuteron in (d,p) and (p,d) reactions, 21:2776
Effects of the deuteron D state and J dependence in (d,p) and (p,d) reactions, 21:38387
Elastic scattering of deuterons and heavier projectiles, 25:53839
Heavy bosons, Regge trajectories and dynamical theories, 22:20238
Influence of breakup channels on the analysis of deuteron stripping reactions, 25:28512
J-dependence in (p,d) reactions and the effects of the deuteron D-state, 22:27367
Low-energy pion—pion scattering in unitarized strip approximation, 24:8631
Regge poles, Argand diagrams, and inelastic resonances, 22:32147
Rho bootstrap in unitarized strip approximation, 23:18896
Saturation of dispersion sum rules, 23:39700
Simple model for low-energy pion—pion scattering, 24:18171
Structure in S-wave $\pi\pi$ scattering, 25:56492
Use of Born approximations in N/D calculations, 22:35147

JOHNSON, R. D. Critical plutonium systems. I, 23:28604
Minimal-error few-group critical mass determination, 25:3930

JOHNSON, R. E. Charge transfer and fine-structure transitions in Ar$^+$(^{2}P/sub j/) + Ar(^{1}S$_0$) collisions, 24:23808
Classical heavy-particle trajectories for electron capture in H$^+$—He collisions, 21:7014
Fracture mechanics: a basis for brittle fracture prevention, 21:26804 (WAPD-TM-505)
Methods for calculating ground-state correlations of vibrational nuclei, 24:13425
Oscillations in cross section of Ar$^+$—Ar charge transfer, 25:9236
Relation between time-dependent Hartree—Fock method and boson expansion methods in two-level model, 23:4072
Total body irradiation with fractionated dosage schedules, 24:29834
Uncoupled Hartree-Fock expectation values for physical properties. II, 21:43797

JOHNSON, R. F. Fast depolarization of positive muons in solution, 25:49730

JOHNSON, R. F. Jr. Deposition and retention of inhaled Eu oxide in rat, 25:35086

JOHNSON, R. G. Coordinated particle, optical, and electron content measurements in auroras, 22:47948
De-excitation neutrons following ^{14}N photodisintegration, 24:40561
Energy and angular distributions of auroral electrons, 22:34396
Mass of the positive pion, 24:49348
Measurement of momentum of muons from pion decay upper limit for muon neutrino mass, 22:9505
Measurements of low-energy particles precipitated at high latitudes, 22:5267
Photoreversal of ultraviolet-induced division delay in Saccharomyces cerevisiae, 25:27080
Plasma sheet convection velocities inferred from electron flux measurements at synchronous altitude, 25:38268
Preliminary results of a low-energy particle survey at synchronous altitude, 25:7232
Properties of auroral particle precipitations, 23:44334
Satellite measurements of auroral particle precipitation, 22:34510
Satellite measurements of precipitating protons in the auroral zone, 21:11533
Simultaneous observation of proton precipitation and auroral radar echoes, 25:55963
Some average properties of auroral electron precipitation as determined from satellite observations, 22:15415
Status of MURA 200-MeV electron—positron storage ring, 21:27464 (CONF-660939-11)

JOHNSON, R. G. R. Fabrication of high and low density ThO$_2$ fuel pellets, 21:11280 (WAPD-TM-576)
Fabrication of low density urania—thoria fuel pellets, 22:41088 (WAPD-TM-721)
Fabrication of solid, annular, and dished-end ceramic fuel pellets, 21:28818 (WAPD-TM-578)

JOHNSON, R. H. Density changes in U thermally cycled between 400 and 600°C, 22:52167
Intercomparison of neutron monitors during solar-flare increases, 21:24884

JOHNSON, R. J. Calculation of space dependent effects in pile oscillator and reactor noise measurements, 21:15781
Infrared chemiluminescence from reaction of H atoms with SCl$_2$, S$_2$Cl$_2$, SOCl$_2$, SO$_2$Cl$_2$, and OCl$_2$, 24:38869
Nuclear design education at Georgia Tech, 24:7068

JOHNSON, R. J. R. Comparison of the effect of hyperbaric oxygen and oxygen plus 5 percent CO$_2$ on tissue circulation and oxygenation, 25:19023
Factors affecting the tumor control rate in patients treated with 10 to 35 MeV electrons, 23:6544
Gynecological cancer treated with cobalt under hyperbaric conditions, 23:41358
Treatment of carcinoma of cervix, 23:50783
Use of hyperbaric O and ^{60}Co teletherapy in treatment of carcinoma of cervix, 21:30845

JOHNSON, R. Joe In-core vs ex-core detector response at Connecticut-Yankee, 24:33183
Spatial Xe stability measurements on Connecticut Yankee reactor, 24:7039

JOHNSON, R. L. Behavior of discrete PuO$_2$ particles in thermal recycle fuel, 25:5994
Electromagnetic separation and chemical refinement of tungsten isotopes, 23:40946 (ORNL-4405)
Excursion behavior of a highly enriched plate core in Spert III, 21:27800 (IDO-17138)
Helical multistage isotope separator, 25:23748
Hydrogen chloride vibrational populations produced by H and D atom reactions with SCl$_2$ and S$_2$Cl$_2$, 24:38870
Influence of crystal structure and some properties of hexagonal metals on friction and adhesion, 22:52177
Metal-water reactions resulting from transient irradiations in the capsule driver core, 23:4378
Nuclear and fast transient aspects of Pu particle size, 23:37540
Nuclear safety study: fuel behavior, 24:50123
Spiral groove face seal concepts; comparison to conventional face contact seals in sealing liquid sodium (400 to 1000°F), 22:27967
Subassembly Test Program outline for FY 1969 and 1970, 23:47268 (IN-1313)
Transient irradiation of stainless-steel-clad oxide fuel rods in the CDC, 22:33066

JOHNSON, R. M. Acceleration of positive ions with a swept beam of electrons, 22:46601 (UCRL-18103, pp 219-23)
Power cycling for irradiation specimens, 22:25088 (KAPL-P-3171)

JOHNSON, R. N. High-nickel content alloys for FTR core structural materials, 22:47006 (BNWL-748)

- JOHNSON, R. P. Characterization of sodium pool fires, 23:47216 (ANL-7520(Pt.1), pp 195-205)
  - Description of the Sodium Fires Test Installation, 24:11718 (AI-AEC-12759)
  - Experimental limit on the branching ratio for K/sub L/° —, lanti l, 25:1386 (UCRL-20078)
  - Large-scale sodium aerosol experiments, 23:37589
  - SNAPTRAN 10A/2 kinetics testing and destruct experiments, 21:1197 (NAA-SR-11906)
- JOHNSON, R. R. Design for a high-resolution reaction-product analysing system, 23:8901
  - Final-state interactions in $T(^{3}He,^{4}He)np$, 25:45910
  - Isobaric analog ground states for several nuclei using the $(^{3}He,t)$ reaction, 25:23009
  - Low-lying energy levels of ^{45}Ti, 22:26965
  - Nuclear level-density fluctuations and tests of the compound statistical model, 21:13828
  - Particle transfer reactions on deformed nuclei, 23:25952
  - Proton elastic and inelastic scattering from Ar at 25 MeV, 22:48487
  - Quasielastic and quasi-inelastic $(^{3}He,t)$ scattering from Ni isotopes, 24:10959
  - Reactions $^{39}K(^{3}He,^{3}He)^{39}K$ and $^{39}K(^{3}He,d)^{40}Ca$ at 29.3 MeV, 25:36696
  - Reactions $^{40}Ar(p,d)^{39}Ar$ and $^{36}Ar(p,d)^{35}Ar$ at 27.5 MeV, 22:11928
  - Reactions $^{64}Zn(p,p')^{64}Zn$ and $^{64}Zn(p,d)^{63}Zn$ at 26 MeV, 23:8966
  - Reactions $^{96}Zr(p,p')$ and $^{96}Zr(p,d)$ at 19.4 MeV, 22:1679
  - Study of reaction $^{28}Si(p,d)^{27}Si$, 22:9812
- JOHNSON, R. T. Antiferromagnetic exchange interaction in solid ^{3}He, 24:41168 (UCSD-34-P-143-24)
  - Application of compressional cooling to study of nuclear ordering in solid ^{3}He, 25:4005 (UCSD-34-P-143-23)
  - Behavior of Pu recycle fuel in a SPERT power transient, 25:5996
  - Capabilities of PBF for LMFBR safety testing, 25:6102
  - Compressional cooling of ^{3}He to millidegree temperatures, 24:35336
  - Compressional cooling of ^{3}He to millidegree temperatures, 25:6255 (UCSD-34-P-143-27)
  - Critical magnetic field curve of superconducting tungsten, 24:15220
  - Low temperature melting curve of ^{3}He, 24:41169 (UCSD-34-P-143-26)
  - Principles and methods of dilution refrigeration. II, 25:5062 (UCSD-34-P-143-32)
  - Subassembly Test Program outline for FY 1969 and 1970, 23:47268 (IN-1313)
  - Thermal conductivity of pure ^{3}He and of dilute solutions of ^{3}He in ^{4}He at low temperatures, 21:23147
- JOHNSON, R. T. Jr. Cadmium sulfide neutron detectors: annealing of radiation damage, 25:39725
  - Fast-neutron irradiation effects in CdS, 22:41683
  - Radioactive decay and electrical changes in fast-neutron-irradiated CdS, 23:44510
  - Semiconductor-neutron detectors utilizing radioactive decay, 24:11811
- JOHNSON, R. W. Decontamination of melter off-gas condensates from the phosphate glass process by distillation, 24:13992 (BNL-50184)
- JOHNSON, Raleigh F. Significance of the total-body hematocrit in measurements of blood compartments, 25:13338
- JOHNSON, Raleigh F. Jr. Effect of capsule content variations on thyroid uptake results, 25:4661
- JOHNSON, Raleigh Francis Jr. Fate of inhaled ^{152} ^{153} ^{154} Eu oxide in rat, 25:49083
- JOHNSON, Ralph Irradiation of a dog with myelogenous leukemia, 23:20110
- JOHNSON, Ralph A. Channel selector for a single-channel pulse-height analyzer, 22:4515
  - Dual channel analyzer and efficient coincidence systems for activation analysis, 24:71
  - Versatile gamma-ray analyzer system for activation analysis, 21:36431
- JOHNSON, Ralph E. Combined chemotherapy and irradiation in Ewing's sarcoma, 24:27653
  - Evaluation and management of radiation-induced pericardial effusion, 23:33748
  - Extended irradiation in Hodgkin's disease, 23:26952
  - Human lymphoma and experimental leukemia, 23:29698
  - Prevention of radiation nephritis, 22:40753
  - Radiation-induced remissions in chronic lymphocytic leukemia, 21:45680
  - Radiosensitivity of drug-resistant L1210 leukemia, 21:18127
  - Radiosensitivity of leukemic and nonleukemic lymphocytes, 21:14732
  - Radiotherapy in advanced Hodgkin's disease: hematologic aspects, 21:22541
  - Radiotherapy of lymphoma, 24:34726
  - Seldinger catheter in radiation therapy, 21:39465
  - Total-body irradiation of canine lymphoma, 23:18078
- JOHNSON, Ralph T. Jr. Beta- and gamma-induced conductivity in semiconductors, 24:51813
  - Method and apparatus for measuring fast neutron fluences with cadmium sulfide or cadmium selenide, 25:57758
- JOHNSON, Raymond B. Liver scanning for detection of collateral circulation in liver disease, 23:12154
- JOHNSON, Raymond M. Measurement of /sup 99m/Mo contamination in /sup 99m/Tc, 21:43473
- JOHNSON, Richard A. Design, ground test and flight test of SNAP 10A, first reactor in space, 21:27793
- JOHNSON, Richard E. Fracture toughness of irradiated A302-B steel as influenced by microstructure, 21:6843
- JOHNSON, Richard G. Auroral input—output experiment, 22:38873 (AD-668202)
  - Prog. rpt. on horizontal ion density gradients in atmosphere, final, 7/15/65—5/29/70, 25:16879 (AD-710800)
- JOHNSON, Richard L. Effect of tungsten—fluorine bonds on tungsten oxidation, 24:19393
- JOHNSON, Richard Ray Properties of nuclear level densities from inelastic proton scattering, 21:15540
- JOHNSON, Richard S. Emission spectrometric determination of trace elements in biological fluids, 25:12946
- JOHNSON, Robert C. Consistency of a model for pion—pion scattering, 25:3457
  - Derivation of the KSRF relation, 25:3363
  - Duality among leading trajectories: example of pion—pion scattering, 25:1523
  - Interference model for pion—nucleon scattering, 23:46727
  - Mutational synergism between heat and sublethal dosages of ultraviolet light in Escherichia coli strains, 22:28722
  - S-, P-, and D-wave low-energy pion—pion scattering, 25:3369
  - Unitary dynamics, 23:30750
- JOHNSON, Robert Carey Ultraviolet light mutation induction during synchronous replication in E. coli, 25:18966
- JOHNSON, Robert E. Application of the concept of ideal collective coordinate to a simple microscopic model, 22:42112
  - Concept of ideal collective coordinate as the foundation for a phenomenological theory of nuclear collective motion: basic ideas and relation to other phenomenological methods, 22:42111
  - Dipole shielding tensor, 23:36538
  - Equivalence of recent microscopic theories of collective motion, 24:43559
  - Lumped-model analysis of transistor ionizing radiation effects, 21:6378
  - Prog. rpt. on generalized model for semiconductor radiation response prediction, 9/15/66—12/14/66, 21:39653 (AD-650103)
  - Prog. rpt. on radiation damage in semiconductor response, 6/15/66—9/14/66, 21:34972 (AD-643652)
  - Prog. rpt. on semiconductor radiation response, 2/15—6/15/66, 21:28858 (AD-640585)
  - Toward a self-consistent theory of the nuclear collective Hamiltonian, 21:15621
- JOHNSON, Robert Edward Self-consistent microscopic theory of the nuclear collective Hamiltonian, 22:53255
- JOHNSON, Robert G. Radiation detector characterized by its minimum spurious count rate, 22:21331
- JOHNSON, Robert H. Combined intra-arterial infusion and radio-therapy for the treatment of advanced cancer of the head and neck, 23:33799
  - Postradiation carcinoma of male breast bilaterally, 22:15107
- JOHNSON, Robert J. Calculating space-dependent reactor transfer functions using statics techniques, 21:15780
- JOHNSON, Robert L. Improving performance of face contact seal in liquid Na (400° to 1000° F), 21:30238 (NASA-TN-D-3942)
- JOHNSON, Robert O. Pre-irradiation 5-fluorouracil infusion in advanced head and neck carcinomas, 25:42589
- JOHNSON, Rodney Construction of a vector current with a time component obeying the algebra of currents. I, 24:49587
- JOHNSON, Rodney W. Finite integral equations for Green's functions for :phi^{4}: coupling. I, 24:40455
- JOHNSON, Rodney Wayne Renormalization of the scattering theory of pions and nucleons, 22:24671
- JOHNSON, Rolland P. Weak interactions: existence of neutral leptonic currents, 24:35600 (UCRL-19709)
- JOHNSON, Rolland Paul Weak interactions, 25:36387
- JOHNSON, Ronald Gordon Photoneutron cross section in the giant resonance region for several 82 neutron isotones, 25:38981 (IS-T-418)
- JOHNSON, Roy L. Brayton cycle power generation system using SNAP-8 nuclear reactor as energy source, 24:31117 (N-70-23100)
- JOHNSON, Roy L. Jr. Bending of symmetrically and asymmetrically loaded circular cylindrical shells with simply supported edges, 22:10145 (SC-DR-67-883)
- JOHNSON, Roy R. Finite amplitude instabilities in weakly ionized gases and solids, 21:42133 (D-1-82-0626)
  - Influence of the self-induced magnetic field on the stability of a plasma column in a longitudinal magnetic field, 23:44452
  - Instabilities in weakly ionized gases and solids, 24:24020
  - Production of net fusion energy from laser-heated target plasmas, 25:22537
- JOHNSON, Rudin M. Alignment of magnetic fields utilizing the Cotton—Mouton effect, 22:1557
- JOHNSON, Rulon E. Composition differences at surfaces detected by adsorption and desorption of radiotracers, 24:41218
- JOHNSON, Rune Phonons in simple metals. II, 23:42473 (AE-365)
- JOHNSON, S. Development of response to erythropoietin and repletion of the stem cell compartment after irradiation, 23:29391 (ACRH-30, pp 38-48)
- JOHNSON, S. F. Release of radioactive material in event of destruction of full Type A package, 23:588 (CONF-681001-, pp 646-62)
- JOHNSON, S. G. Solar absorption photometry and the determination of atmospheric composition, 23:27472
- JOHNSON, S. L. Photometry of globular star clusters, 23:48629
- JOHNSON, S. O. Generation of dynamic mechanical forces during reactivity accidents, 21:7936
  - Nuclear safety study: fuel behavior, 24:50123
  - Status of United States Atomic Energy Commission water—reactor safety research and development programs, 25:39270 (A/CONF.49/P-39)
- JOHNSON, S. R. Approximate method for multidimensional diffusion theory problem, 22:12141 (GA-7544)
  - Exact solution of non-linear prompt kinetics equations, 23:24010
  - GAKIN: one dimensional multigroup kinetics code, 22:15916 (GA-7543)
- JOHNSON, Sarah A. Hypoparathyroidism following ^{131}I therapy for hyperthyroidism, 22:47618
- JOHNSON, Shirley Effect of endogenous erythropoietin on replicating hemopoietic stem cells, 22:21403 (ACRH-1000-39)
  - Effect of endogenous erythropoietin on replicating hemopoietic stem cells, 22:38459
  - Procedure for the Cherenkov counting of high energy β and γ emitting radionuclides in coloured plant extracts, 25:15517
  - Use of Cherenkov inserts for counting high energy β and γ contamination samples, 25:42082
- JOHNSON, Shirley A. Systemic effects of RES-blocking agents in dog, 24:19292
- JOHNSON, Stanley M. Explosive excavation technology, 25:51307 (NCG-TR-21)
- JOHNSON, Stephen WIGL2 modified for use on UNIVAC 1108, 21:46851 (GAMD-7545)
- JOHNSON, Stephen R. GAKIT: one dimensional multigroup kinetics code with temperature feedback, 23:13413 (GA-8576)
  - Numerical method for the three-dimensional multigroup equations, 21:38207
- JOHNSON, Sture A. M. Cutaneous manifestations of the Cornelia de Lange syndrome, 21:16497
- JOHNSON, Suzanne M. Synthetic spectroscopic models related to coenzymes and base pairs. III, 23:49855
- JOHNSON, T. Prog. rpt. on protection analysis and construction evaluation system, final, 1/13/65—1/15/66, 21:36558 (AD-650930)
  - Radiological recovery requirements, structures, and operations research. II, 21:32346 (R-OU-266(Vol.2))
- JOHNSON, T. A. Fort Saint Vrain nuclear power station, 24:9063
- JOHNSON, T. C. Air leakage into plutonium gloveboxes and its effect on inert operations, 25:54944 (CONF-710401-, pp 83-97)
- JOHNSON, T. L. Comparison of two dosimetry systems with film badges, 23:11883
  - Pilot comparison of two thermoluminescent dosimetry systems with film badges in routine personnel monitoring, 21:10680 (NP-16507)
  - Thermoluminescent dosimeters for personnel monitoring, 22:38103 (TID-24522)
- JOHNSON, T. R. Compact pyrochemical processes, 22:151
  - Compact pyrochemical processes, 22:6383
  - Compact pyrochemical processes, 22:8187
  - Induction probe for measuring levels in liquid metals, 22:8413
  - Melt decladding of fast reactor fuels, 25:39584
  - Method for the purification of molten chloride salts, 24:9417 (ANL-7603)
  - Preparation of uranium monocarbide by reaction in a liquid-metal medium, 21:26875 (ANL-7301)
  - Uranium monocarbide preparation in a liquid metal, 22:28897
- JOHNSON, T. S. Influence of temperature and x-irradiation on the cellular dynamics of the intestinal epithelium in Coho salmon, 24:25570
- JOHNSON, T. W. Argonne Advanced Research Reactor critical experiments, 24:5539 (ANL-7483)
  - Argonne variable-temperature rodded-zone facility, 24:7173
  - Experiments in thermal column of AARR critical facility, 21:38681
  - Sensitivity of small-sample Doppler effect measurements to environment, 22:33039
  - Sodium-vapor monitor, 25:6046
  - TLD measurement of gamma-ray heating in the AARR critical assembly, 21:38704
- JOHNSON, T. W. Jr. Mycological investigations in Iceland. III, 21:47030 (ORO-3556-8)
  - Prog. rpt. on mycological investigations in Iceland, annual, 22:18662 (ORO-3556-11)
- JOHNSON, Ted W. Gamma-ray heating in critical facility by thermoluminescent dosimetry, 22:50791 (ANL-7373)
- JOHNSON, Thomas C. Flammability of leaded dry-box gloves, 23:38143 (RFP-1354)
  - Permeation of halogenated solvents through Drybox gloves, 25:34605 (RFP-1608)
  - Surface treatment of 304L stainless steel, 25:6842 (RFP-1564)
- JOHNSON, V. R. Effects of gamma irradiation on the characteristics of a ruby laser, 21:31112
- JOHNSON, Valens P. Inexpensive air proportional alpha detector, 23:50119 (RFP-1166)
  - Measurements of ^{238}Pu, 21:45625 (RFP-954)
  - Pocket-size integrating neutron counter, 25:15951 (RFP-794)
- JOHNSON, Vernon Retention of ^{65}Zn by Columbia River sediment, 21:39048
- JOHNSON, Vernon G. Nuclear fuel plant wastes, 23:40972
- JOHNSON, W. Development of low permeability graphite, 24:40890 (NP-10469)
  - Direct measurement of n—p and n—d total cross sections from 700 to 2900 MeV/c, 25:9648
  - Direct measurement of n-p and n-d total cross sections from 700 MeV/c to 2900 MeV/c, 24:49315 (PURC-4159-7)
  - Laboratory scale experiments into cavity and crater formation by high explosive charges, 25:297
- JOHNSON, W. A. Charge sensitivity of tunnel diode voltage threshold discriminator, 21:1678 (UCRL-14930-T)
  - Increasing maximum enrichment processing capability through criticality calculations, 23:35277
  - Increasing maximum enrichment processing capability through criticality calculations, 24:43999
  - Nuclear and radiological safety aspects in transporting uranium hexafluoride, 25:48822 (CONF-710801-(Vol.1), pp 272-87)
- JOHNSON, W. B. 4π mass enhancements in 16-GeV/c $\pi^{-}p$ interactions, 22:50294 (SLAC-PUB-480)
  - Inelastic K^{+}-proton interactions at 2.65 GeV/c, 21:37714

- Interpretation of reaction K/sub L/^{0}p $\rightarrow$ K/sub S/^{0}p, 25:33736
- Orbital-angular-momentum structure of the A_1 meson, 24:24366
- Pi^{+-} 4-prong interactions at 16 GeV/c, 21:44277 (SLAC-PUB-334)
- Reaction K/sub L/^{0}p $\rightarrow$ K/sub S/^{0}p from 1.3 to 8.0 GeV/c, 25:33564
- Reaction $\pi^-p \rightarrow \pi^-\pi^+n$ at 16 GeV/c, 24:26376

JOHNSON, W. C. Lower hybrid resonance phenomena, 23:10499
- Observations of auroral hiss, 25:43246

JOHNSON, W. C. Jr. Determination of ^{241}Am in rare earth concentrates by solvent extraction, 22:25239 (ISO-SA-11)
- On-line computer and data transmission network supporting two nuclear analytical laboratories, 23:717 (ARH-SA-19)

JOHNSON, W. D. Production of K_2^0 mesons and neutrons by 10- and 16-GeV electrons on Be, 23:25496

JOHNSON, W. E. Boundary value problem from the theory of magnetohydrodynamic flow, 22:22002
- Dependence of cavity size on the yield strength of the ground and material description of the cavity gas, 23:2448
- Energy sources of tomorrow, 25:21231 (CONF-700816-(Vol.2), pp 459-66)

JOHNSON, W. F. Operation manual for uv analyzer, Prototype Mark II, 24:5576 (ORNL-TM-2593)
- Proportional water sampler, 24:18834 (ORNL-TM-2839)

JOHNSON, W. H. Measurements by the Minnesota 16-inch mass spectrometer, 23:21252

JOHNSON, W. H. Jr. Feasibility of direct mass determinations of short half-life isotopes, 25:26547 (CERN-70-30(Vol.1), pp 307-19)

JOHNSON, W. J. Effect of junction geometry on maximum zero-voltage Josephson current, 24:32802
- Internal flux motion in large Josephson junctions, 23:42195

JOHNSON, W. P. Cyclotron beam pulser for particle time-of-flight experiments, 25:31116
- Excited states of ^{10}C from the ^{12}C(p,t)^{10}C reaction at E/sub p/ = 43 and 52 MeV, 21:25457
- Magnetic field measurements for MSU cyclotron, 21:37962 (MSUCP-22)
- Remote controlled slits for the MSU cyclotron external beam system, 22:46647
- Staffing and training of nuclear power plants, 23:37426
- Start-up of Haddam Neck, 23:31107 (CONF-690113-5)
- Status of University of Maryland Cyclotron, 25:50341

JOHNSON, W. R. Angular distribution of single-quantum annihilation radiation, 21:33161
- Atomic susceptibilities and shielding factors, 24:3160
- Electromagnetic self-energy of K-electrons in heavy atoms, 24:30141 (COO-427-99)
- Gamma-ray attenuation at 6 and 8 MeV, 24:6601
- Hexadecapole moment effects in multiple Coulomb excitation, 22:46740
- Lamb shift and binding energies of K electrons in heavy atoms, 25:19477
- Neutron attenuation in water and aluminum—water laminations, 22:32447
- Omega$^-$ as a Ξ anti K bound state, 22:7521
- Rayleigh scattering and the electromagnetic susceptibility of atoms, 22:21880
- Relativistic evaluation of internal diamagnetic fields for atoms and ions, 22:47837
- Relativistic self-consistent fields with exchange, 21:37163
- Utilization of University of Virginia Research Reactor, 22:33024

JOHNSON, W. Reed Attenuation of nitrogen-capture gamma rays in concrete, 21:11677 (AD-643754)
- Backscattered spectra in high-energy gamma-ray albedo measurements, 25:40750
- Gamma-ray attenuation at energies of approximately 6 and 8 MeV, 25:11947
- Leak-rate measurement of the Univ. of Virginia Reactor confinement building using ^{85}Kr, 25:41556
- Measurement of neutron spectrum, age, and diffusion length in concrete, 21:21366 (AD-646630)
- Neutron and gamma-ray shielding in basic geometries, 23:12945 (AERE-R-5773(Vol.1), pp 319-35)
- Program of international cooperation between the Phillippine AEC and the Univ. of Virginia, 23:4321
- Tangential beam port for capture gamma ray experiments, 23:47246 (CNM-R-2(Vol.2), pp 841-52)

JOHNSON, W. S. Analysis of ion implanted diamond, 25:27858
- Impurity distribution profiles in ion-implanted silicon, 22:26481
- Unique 150-keV ion accelerator, 25:3469 (CONF-700322-, pp 173-84)

JOHNSON, W. T. K. Comparison of experiment and theory for nuclear excitation in ^{115}In by threshold-energy electrons, 22:53207
- Coulomb distortion effects in large-angle M1 electroexcitation, 23:10953
- Magnetic multipole electroexcitation, 25:12657
- Study of nuclear states of several odd-A nuclei 68 less than or equal to Z less than or equal to 79 through electromagnetic excitation from 2.3 to 3.6 MeV, 25:5637

JOHNSON, W. W. Project ZULU II, phase I, single-charge calibration series, 23:15994 (NCG-TR-3)

JOHNSON, Waine C. Uv induced connective tissue changes in rat skin, 23:2930

JOHNSON, Wallace Elevated levels of ^{137}Cs in common mushrooms (Agaricaceae) with possible relationship to high levels of ^{137}Cs in Whitetail deer, 1968—1969, 25:11003

JOHNSON, Wallace E. Energy partitioning during hypervelocity impact on rocks, 25:26354 (SC-R-70-4402)

JOHNSON, Walter H. Method for constructing a lined underground cavity by underreaming, grouting, and boring through the grouting, 25:54854
- Postshot drilling handbook, 21:14363 (UCID-15034)

JOHNSON, Walter H. Jr. Atomic masses of ^{56}Fe and ^{57}Fe, 22:18178
- Radioactive borehole logging method and apparatus, 24:41431

JOHNSON, Walter R. Breit interaction in multielectron atoms, 25:38169

JOHNSON, Warren B. Lidar observations of the lower troposphere during BOMEX, 24:50311 (TID-25532)

JOHNSON, Wayne Jon Nonlinear wave propagation on superconducting tunneling junctions, 23:51584

JOHNSON, Wayne R. Explosive welding plugs into heat exchanger tubes, 25:13647
- Remote explosive tube plugging, 24:46038

JOHNSON, Wendell Determination of water in deuterium oxide/water mixtures, 23:40568

JOHNSON, Wilfrid E. Balanced approach to reactor research, 23:47181
- Enriching services and nuclear power, 23:17697 (ORO-665, pp 73-84)
- Uranium isotope enrichment, 25:37537 (A/CONF.49/P-66)

JOHNSON, William B. Contribution of small angle nuclear scattering to error formulae in bubble chamber analysis, 21:45392

JOHNSON, William P. Improvements in the Michigan State Univ. cyclotron rf system, 23:28047

JOHNSON, William Robert High-temperature creep of Ni—W solid solutions, 25:11408

JOHNSON, William S. Radiation-enhanced diffusion of boron in silicon, 24:6625

JOHNSON, William S. Sr. Plutonium contamination of large land areas, 23:12124

JOHNSON, William T. K. Excitation of nuclear levels by electrons and photons for 167 less than or equal to A less than or equal to 197, 25:20463

JOHNSON III, J. P. Computer simulation of sputtering, 22:41341

JOHNSON III, Joseph Andrew Pion production and elastic scattering in antiproton-proton collisions at 7 Bev/c, 21:2370

JOHNSON III, W. N. Period and hard-x-ray spectrum of NP 0532 in 1967, 23:51248

JOHNSSON, E. B. Gripper for a loading machine of a nuclear reactor, 24:2076

JOHNSSON, Erik Boerge Fuel cartridge made of two separate parts to be introduced from the seat of a reactor, 25:10333

JOHNSSON, Erik Boerje Gripper for a loading machine of a nuclear reactor, 22:39928

JOHNSSON, Erik Borje Pre-stressed concrete pressure vessel, 25:60069

JOHNSSON, G. G. High-energy (γ,xn) reactions in ^{197}Au, 25:36785

JOHNSSON, J.-E. Content of noradrenaline and 5-hydroxytryptamine in rat after ionizing radiation, 25:26959

JOHNSSON, K. O. Abstracting and indexing guide for Nuclear Desalination Information Center, 22:7918 (ORNL-NDIC-2)
- Abstracts of literature on the distillation of seawater and on the use of nuclear energy for desalting, 25:20812 (TID-25653)
- Indexed bibliography of nuclear desalination literature-3, 23:31216 (ORNL-NDIC-5)
- Indexed bibliography of nuclear desalination literature-4, 24:5558 (ORNL-NDIC-6)
- Indexed bibliography of nuclear desalination literature—5, 24:50205 (ORNL-NDIC-7)
- Indexed bibliography of nuclear desalination literature-6, 25:51214 (ORNL-NDIC-10)
- Survey of the use of computer programs for the design of desalination evaporators and their coupling to energy sources, 22:208 (ORNL-NDIC-1)
- Title-author-company index to reports published by the U. S. Department of the Interior, Office of Saline Water, 25:3913 (ORNL-NDIC-8)

JOHNSTAD, H. Dominance of Pomeron like exchange in $pp \rightarrow NN\pi$ at 19 GeV/c, 24:3514
- Observation of Δ^{++}(approximately 1900) resonance decaying into $\Delta^{++}(1236)\pi^-\pi^+$, 24:49322

JOHNSTON, A. H. Transient radiation response mechanisms in microelectronics, 21:6395
- Transient radiation responses in microcircuits, 23:17876

JOHNSTON, A. L. Separation of micro amounts of Cl^- from Pu and U, 21:3152

JOHNSTON, A. R. Angular distributions of ^{4}He(p,d)^{3}He, ^{4}He(p,t)2p, ^{4}He(p,^{3}He)pn, and ^{3}He(p,d)2p, 25:3555
- Asymmetry measurements for reaction ^{10}B(p,d)^{9}B induced by polarized protons, 25:34009
- Calculation of penetration factors for point gamma-ray sources off the axis of cylindrical hole collimators, 24:16921
- Cross-section measurements for the reactions ^{10}B(p,d)^{9}B and ^{10}B(p,t)^{8}B, 24:13285
- Cross-section measurements for the reaction ^{10}B(p,^{3}He)^{8}Be, 25:17688
- Elastic and inelastic scattering of ^{3}He particles from ^{10}B at 32 MeV, 23:1803
- Measuring ^{51}Cr in presence of ^{59}Fe, 25:4513
- Nucleon—nucleon final-state interactions in the reactions ^{3}He(p,d)2p, ^{4}He(p,t)2p, and ^{4}He(p,^{3}He)pn, 23:32896
- Penetration effects in wide aperture collimators, 22:40379
- Penetration factors for point γ sources, 25:23917
- Polarization in elastic scattering of 30-MeV protons by ^{3}He, 22:26800
- Polarization in the elastic scattering of 9.5- and 21.6-MeV protons by deuterons, 23:8932
- Reaction ^{10}B(p,t)^{8}B*, 24:43162
- Reactions ^{24}Mg(p,t)^{24}Mg and ^{24}Mg(p,^{3}He)^{24}Na at 50 MeV, 23:13253
- Response of detectors with cylindrical collimation, 25:10841
- Search for excited states in ^{3}He by the ^{3}e(p,p')^{3}He* reaction, 22:15943
- System p-^{3}He at 30 and 50 MeV, 25:3556

JOHNSTON, A. S. Calculation of two phonon coherent neutron scattering cross section for single crystal Be, 23:19114 (CONF-680501-6)
- DETS: computer program for calculating effective temperature for crystalline solid, 22:24413 (WANL-TME-1666)
- Excited states of ^{128}Xe, 22:3721
- Inelastic thermal neutron scattering, 21:46644 (WANL-TME-1640)
- Prog. rpt. on neutron interference scattering in crystalline solids, 8/66, 21:1017 (WANL-TME-1492)
- Thermal range library for GAMBIT program, 23:19127 (WANL-TME-1830)
- Two phonon inelastic coherent thermal scattering cross section of beryllium, 23:10914 (E-1854)

JOHNSTON, Allan H. Effect of temperature on microcircuit radiation response, 23:17881

JOHNSTON, Austin D. Radiation-induced sarcoma after treatment of breast cancer, 24:42020

JOHNSTON, Bradley M. Uncoupled dynamic thermal stresses in infinite flat plates, 23:33303

JOHNSTON, C. Conrad Jr. Measurement of bone mass in the radius, 25:4624 (CONF-680211-, pp 283-96)

JOHNSTON, C. E. Attenuation of longitudinal, ultrasonic sound waves in various plastics, 22:782 (SCL-DR-67-110)

JOHNSTON, D. F. Theory of the scattering of neutrons by magnetic ions in crystals, 23:42483

JOHNSTON, D. R. Zeeman splitting of vibronic levels for octahedral actinide and lanthanide complexes, free and in crystals, 22:35785

JOHNSTON, E. F. Retorting unit for recovery of uranium from zinc—magnesium solutions, 23:43378 (ANL-7503)

JOHNSTON, Earl Walter Experimental determination of the sum of the proton and electron charges, 25:7533

JOHNSTON, Emily G. Edge and curve enhancement in digital pictures. II, 24:33595 (ORO-3662-6)

JOHNSTON, F. J. Gamma radiolysis studies of the chloroacetic acids, 22:18837
- Radiolysis of colloidal sulfur. A mechanism for solubilization, 25:23618
- Radiolysis reactions of colloidal silver and silver bromide, 25:8302

JOHNSTON, Francis J. Radiolysis of colloidal sulfur, 23:274

JOHNSTON, G. P. Reaction ^{6}Li(p,^{3}He)^{4}He, 24:43163
- Reaction ^{6}Li(p,γ)^{7}Be, 24:43158

JOHNSTON, G. S. False positive /sup 99m/Tc hepatic scintiscan, 24:36793
- Fluid and tissue kinetics of ^{65}Zn in baboon prostate, 24:9745
- Radioisotope and radiocarbon characterization of baboon kidney function during bloodless, isolated perfusion, 24:16944

JOHNSTON, George L. Effect of Fokker—Planck collisions on plasma wave echoes, 24:10537
- Linear and nonlinear theory of grid excitation of lf waves in a plasma, 24:5185 (AD-691883)

JOHNSTON, Gerald S. Alterations in ^{203}Hg isotopic kinetics in experimental renal ischemia, 21:14679
- Clinical correlations of ^{203}Hg-chlormerodrin and urinary concentration in hypertension and renal disease, 22:15034
- Hot hepatic hemangioma, 25:13510
- Liver and spleen scintigraphy in staging Hodgkin's disease, 25:42585
- Localization of ^{197}Hg chlormerodrin and sodium ^{131}I in the female reproductive tract, 23:4880
- Radioisotope renography improved by sequential renal scintiphotography, 25:32501
- Sequential liver scanning, 24:14547
- Spleen scanning with ^{51}Cr-tagged red cells, 24:12141
- Truncated left hepatic lobe, 24:9891
- Use of a whole-body counter in bone scanning, 24:36787
- Zinc-65 and /sup 69m/Zn studies in the dog, monkey, and man, 23:26684
- Zinc-69m chloride, a new liver scanning agent, 22:6860

JOHNSTON, H. D. Log K/sub i/, ΔH/sub i/^{0}, and ΔS/sub i/^{0} values for the interaction of glycinate ion with Mn^{2+}, Fe^{2+}, Co^{2+}, Ni^{2+}, Cu^{2+}, Zn^{2+}, and Cd^{2+} at 10, 25, and 40°, 24:33575 (COO-1782-5)
- Thermodynamics of metal cyanide coordination. IX, 24:31160 (COO-1782-2)

JOHNSTON, H. R. Frequency-modulated time-of-occurrence marker, 21:22200 (SCL-DR-67-40)

JOHNSTON, H. S. Annual review of physical chemistry. XVII, 22:2073
- Annual review of physical chemistry. XIX, 23:15871
- Annual review of physical chemistry. XX, 23:43322

JOHNSTON, Harold Catalytic reduction of stratospheric ozone by nitrogen oxides, 25:46412 (UCRL-20568)

JOHNSTON, I. D. Apparent size of rapidly rotating stars, 23:34139
- Inverse Compton effect in extra-galactic radio sources, 23:34170
- OH emission from protostars, 24:51298

JOHNSTON, Ian D. Mechanism for maser action of OH molecules in interstellar space, 22:852
- Observing surface distortion of rapidly rotating stars, 24:19550

JOHNSTON, J. E. Prog. rpt. on health physics and medical research, annual, 1966, 21:46999 (AERE-PR/HPM-11)
- Prog. rpt. on health physics and medical research, annual, 1—12/67, 22:43300 (AERE-PR/HPM-12)
- Prog. rpt. on health physics and medical division, 1—12/68, 23:29459 (AERE-PR/HPM-13)
- Prog. rpt. on health physics and medical division, 1—12/69, 24:44473 (AERE-PR/HPM-14)
- Prog. rpt. on health physics and medical research, 1—12/70, 25:46800 (AERE-PR/HPM-15)

- JOHNSTON, J. P. Two-dimensional diffuser performance with subsonic, two-phase, air—water flow, 24:29428 (APED-5477)
- JOHNSTON, J. R. Aspects of a model of superfluidity, 22:38969
- JOHNSTON, J. W. Description of the computer program for the safeguards material balance simulator, 24:36535 (BNWL-1357)
- JOHNSTON, James O. Clinical trial of the ^{125}I isotope scanning device as a screening method for the early detection of osteoporosis, 25:4651 (CONF-700515-, pp 340-50)
- JOHNSTON, James R. Coherent states in superfluids, 24:23916
  - Theory of superfluidity, 21:2161
- JOHNSTON, James Rea Coherent states in superfluids, 24:1354
- JOHNSTON, James Stewart Improvements in or relating to radiation responsive devices, 23:9781
- JOHNSTON, K. Decay energy of tritium, 22:13925 (AWRE-O-33/61)
  - Fission product heating in fast reactor plutonium fuel, 23:13443
- JOHNSTON, K. J. Distribution of brightness in polarization of Taurus A, 24:1175
  - Interferometer map of the water-vapor sources in W49, 25:30141
  - Observations of 1.35-centimeter H_2O emission in southern hemisphere, 25:43051
  - Observations of seven compact sources in H II regions, 25:9077
  - Photoelectric observations of UU Piscium, 25:35608
- JOHNSTON, Kenneth Light variation of EM Cephei, 25:4903
- JOHNSTON, Kenneth John Analysis of the light variations of three short-period eclipsing binaries, 24:44870
- JOHNSTON, L. Low frequency beam position monitor, 21:38133
- JOHNSTON, L. H. Particle yields at the Stanford two-mile electron accelerator, 21:17230
- JOHNSTON, Lawrence H. Particle yields at Stanford Linear Accelerator Center and photon—nucleus interaction in 5 to 18-GeV region, 22:20113
  - Position monitoring system for a pulse-modulated charged particle beam, 24:20291
- JOHNSTON, Lloyd W. Intracorporeal vascular prosthetic blood irradiator, 24:36794
- JOHNSTON, Lloyd Waldon Bioelectric potentials in skin burns and x-ray erythemas, 21:16516
- JOHNSTON, P. A. High-temperature performance of an avalanche radiation detector, 22:38031
  - Low-energy radioactivity and avalanche semiconductor radiation detectors, 24:11775
- JOHNSTON, P. D. Calculation of Ar I transition probabilities in intermediate coupling, 22:17348
  - Flames augmented by inductive coupling of electrical energy, 25:40658
  - Measurement of LTE plasma temperatures below 10,000 K, 25:11876
  - New technique for measuring temperature of LTE plasmas, 25:9411 (ECRC/N-288)
- JOHNSTON, Phillip A. Applications of avalanche type semiconductor radiation detectors. Final Report, October 1968—November 1969, 25:4323 (NYO-4028-TA-1)
  - Prog. rpt. on applications of avalanche type semiconductor radiation detectors, annual, 7/67—7/68, 22:45280 (NYO-3246-TA-2)
- JOHNSTON, R. A. Preparation of uranium—niobium alloys by co-reduction, 21:9101
- JOHNSTON, R. C. Canadian approach to designing and building foreign nuclear power stations, 25:28718
  - Karachi nuclear power project, 22:30228
- JOHNSTON, R. E. Evaluation of lithium-drifted germanium detectors for radioisotope scanning, 25:39701 (CONF-710204-3)
  - Exposure of man to radiation, 25:24430
  - Inherent problems in the quantitation of isotope scan data, 23:12068 (ORO-2401-11)
  - K-Auger spectrum of arsenic, 21:7735
  - New approach to scan system evaluation, 23:14218 (ORO-2401-22)
  - Potential use of fluorescent scanning for brain tumor identification, 25:42548 (CONF-710204-4)
  - Preliminary dosimetry data associated with radioisotope cisternography, 24:4620 (CONF-691016-1)
  - Quantitation of isotope scan data, 23:33428
- JOHNSTON, R. Eugene Absorbed dose from radionuclides, 24:44505
  - Calibration techniques for quantitative scan measurements, 25:39705 (ORO-2401-32)
- JOHNSTON, R. L. Production of low-energy muons at sea-level, 24:15458 (CERN-69-28, pp 125-40)
- JOHNSTON, R. P. Stirling engine to power circulatory-assist devices, 24:14193
- JOHNSTON, Richard H. Geological survey tracer study Amargosa Desert, Nye County, Nevada. I, 22:33544 (TID-24469)
  - U. S. Geological survey tracer study, Amargosa Desert, Nye County, Nevada. I, 25:2058 (USGS-474-98)
- JOHNSTON, Richard P. Implantable radioisotope-fueled stirling engine, 25:54910
- JOHNSTON, Robert B. Method and apparatus for fission fragment irradiation, 25:791
- JOHNSTON, Robert Buran Irradiation of dielectric tapes, 24:37009
- JOHNSTON, Robert C. Separation of the alkali group by thin-layer chromatography using a binary solvent mixture, 22:18887
- JOHNSTON, Robert R. Free—free radiative transitions: survey of theoretical results, 22:7177
- JOHNSTON, T. A. Gas-cooled reactor will use concrete vessel, 23:43063
  - Large HTGR power plants, 25:18105
- JOHNSTON, T. F. Interpretations of $p\omega$ mass enhancement near threshold, in $\pi^-p \rightarrow \pi^-p\omega$ at 7 GeV/c, 24:49345
  - Production and decay of A_2 meson in 7 GeV/c π^-p interactions, 25:7663
  - Properties of the g meson, 22:34858
  - Single-pion production with π^-p at 3 GeV/c, 21:27310
- JOHNSTON, T. W. Applicability of single Born scattering theory, 25:14363
  - Correlation between ion and electron probe currents in a turbulent plasma flow, 25:38406
  - Correlation study in neutral-dominated plasma turbulence, 24:1382
  - Dielectric resonance probes and double probes compared, 21:7191
  - Laboratory simulation of a satellite mounted plasma diagnostic experiment, 21:15051
  - Laboratory simulation of a satellite-mounted plasma diagnostic experiment, 21:37300
  - Resonances in the ionosphere magnetoplasma, 21:790
  - Resonances in the ionosphere magnetoplasma, 22:29366
  - Review of plasma resonances, 24:37510
- JOHNSTON, Thomas P. Modification of radioprotective 2-aminoethanethiol derivatives by N,N'-polymethylene bridging, 22:19396
  - Potential antiradiation agents, 23:50640
  - Potential antiradiation agents, 24:741
  - S-2-aminoethyl S'-ω-carboxyalkyl dithiocarbonate hydrochlorides as potential antiradiation agents, 24:6066
  - Synthesis of potential antiradiation agents, 23:45786
  - Use of α-amino acids in synthesis of derivatives of 2-aminoethanethiol as potential antiradiation agents, 22:45629
- JOHNSTON, Tudor W. Laboratory studies of propagation of magnetic disturbances in magnetosphere, 23:25193 (AD-679216)
- JOHNSTON, Tudor Wyatt Anisotropic plasma pressure and the dielectric tensor, 25:17181
- JOHNSTON, W. C. N-shell conversion electrons from 2.33-keV transition in ^{205}Pb, 25:36780
- JOHNSTON, W. H. Production of hydrazine, 21:25925
  - Radiation-induced addition of methylsilane and dimethysilane to ethylene, 21:5943
  - Surface catalytic effects in nitrous oxide radiation dosimetry, 21:19978
- JOHNSTONE, A. D. Correlation between electron and proton fluxes in postbreakup aurora, 25:47399
  - Evidence for velocity dispersion in auroral electrons, 21:33283
  - Modulation of auroral electrons at large distances from the Earth, 23:27473
- JOHNSTONE, Alan David Measurement of low-energy protons in a pulsating aurora, 25:45376
- JOHNSTONE, C. P. Thermophysical properties of low C 304 stainless steel to 1350 C, 23:10187 (GEMP-643)
- JOHNSTONE, C. W. Detection of natural γ radiation in petroleum exploration boreholes, 22:2375
- JOHNSTONE, G. R. Effects of gamma radiation on germination and seedling development of Yucca brevifolia Engelm, 22:8649
- JOHNSTONE, I. Further reactor physics studies for steam generating heavy water reactors. I, 22:18471
  - Further reactor physics studies for steam generating heavy water reactors. II, 22:30319
  - Further reactor physics studies for steam generating heavy water reactors. III, 23:7391
  - Measurement of material buckling in a large heavy water moderated exponential assembly, 24:50179 (AEEW-R-352)
  - Measurement of the average number of prompt neutrons emitted in fission at high energy, 21:7765 (AERE-NP/R-1912)
  - Nuclear design of SGHWRs, 23:13393
- JOHNSTONE, I. P. Application of projected Hartree—Fock model to ^{21}Ne, 23:45002
  - Band mixing in ^{22}Ne, 24:45771
  - d/sub $^3/_2$/ hole states in Sc isotopes, 24:47621
  - Even-parity states of ^{43}Sc, 22:20506
  - Low-lying K/sup π/ = $^3/_2{}^-$ rotational band in ^{43}Sc, 23:13252
  - Occupancy of spherical shells in the ground state of even 2s-1d shell nuclei, 25:5876
  - Projected Hartree—Fock description of the low-lying triplet in ^{43}Ti, 23:28284
  - Proton hole states in ^{20}F, 25:17791
  - Shell-model study of ^{43}Sc, 21:29918
  - Two particle—one hole contributions to magnetic moments and M1 transitions, 25:46140
- JOHNSTONE, J. K. Sandia Laboratories' carbon composites development program, 25:26115 (SC-DC-713853)
  - Sandia Laboratories carbon composites development program, 25:37179 (CONF-710312-1)
- JOHNSTONE, James Keith Electron paramagnetic resonance of gadolinium in sodium silicate glasses, 22:15564 (IS-T-213)
  - Erbia—hafnia system, 25:2804 (IS-T-401)
- JOHNSTONE, S. T. M. Chromium alloy development in Australia, 23:27099
- JOHNSTONE, W. PENA-detector flux-measuring system with fast response, 25:32207 (AERE-R-6732)
- JOHNSTON III, W. D. Experimental rate coefficients for collisional excitation of lithium-like ions, 25:22506
  - Measurements of collisional-excitation-rate coefficients for beryllium-like ions, 25:52804
  - Transitions (3s—3p) of Ne VII and Ne VIII, 23:51627
- JOHNY, K. V. Whole-body counter for studies of total body K, 25:10910
- JOHO, W. Extraction efficiency and energy spread for the SIN ring cyclotron, 24:30617
  - Extraction from medium and high energy cyclotrons, 25:31100
- JOHRI, K. N. Microdetermination of Au(III), Ag(I), and Ru(III) by ring colorimetry, 25:15487
  - Quercetin as a spray reagent in inorganic thin-layer chromatography and evaluation of the chromatographed species by ring colorimetry, 25:41743
  - Thin-layer chromatographic separation of Se(IV), Te(IV), V(V), and Mo(VI), 23:40822
  - Trace metal analysis by combined thin-layer chromatography incorporating fluorescent support and ring oven colorimetry, 25:12944
- JOHRI, V. B. Perturbation of cosmological models, 23:22854
- JOHRI, Vinod B. Generalization of plane wave solutions of field equations in general relativity, 23:42740
- JOHSON, B. Delayed-proton emission from neutron-deficient isotopes of xenon and mercury, 25:28301 (CERN-70-30(Vol.1), pp 487-96)
- JOHSWICH, F. Desulfurization of flue gases: importance and practical possibilities, 22:214 (ANL-Trans-520)
- JOINER, Eugene Abnormal chromosomes in human malignancies, 23:35582 (ORAU-107, pp 99-102)
- JOINER, James R. Refractories in a reactive atmosphere, 21:43654 (AD-651435)
- JOINER, W. C. H. Effects of oscillatory magnetic fields on the flux flow properties of superconducting foils, 25:1105
  - Flux-flow resistivity and critical current density in type-II superconducting foils, 22:22097
  - Linear current—voltage characteristics in type-II superconductors under conditions of flux flow, 21:43950
  - Resistance minimum in type-II superconductors, 22:52716
  - Surface dependence of the critical pinning current density in type-II superconducting foils, 22:1110
  - Surface nucleation and boundary conditions in superconductors, 23:39406
  - Surface superconductivity in type-I alloys, 23:51585
  - Temperature dependence of flux-flow resistance near H/sub c2/ in type-II superconductors, 22:36865
  - Voltages induced in superconductors by superimposed ac and dc magnetic fields, 25:11835
- JOKANOVIC, V. Present state of exploration and reserves of nuclear raw materials in Yugoslavia, 25:51639 (A/CONF.49/P-349)
- JOKEL, Jozef Changes in wood properties caused by radiation. I, 23:25024
  - Effect of moisture content of wood on absorption of γ rays, 22:52306
  - Mechanical properties of irradiated wood, 22:38644
  - Radiation unit RCH-gamma-30, 25:42015
- JOKELA, T. A. Radionuclides and selected trace elements in marine protein concentrates, 25:37721 (RLO-2225-T-14-2)
- JOKELA, W. V. Prevention of failure, 24:45844
- JOKELA, William V. Quality assurance program for Monticello field-fabricated reactor vessel, 23:33341 (CONF-690609-10)
- JOKI, E. G. Auroral ultraviolet and 3914-A radiation, 23:44331
  - Simultaneous measurements of electron content and charged particle precipitation in a region of auroral activity, 22:5274
- JOKIC, T. Thermal desorption of gas embedded in copper single crystals, 22:26485
- JOKIPII, J. R. Acceleration of cosmic rays at the solar-wind boundary, 22:36762
  - Addendum and erratum to "cosmic-ray propagation. I.", 22:29307
  - Backscatter and diffusion of cosmic rays in a random magnetic field, 22:36763
  - Convection, diffusion, and adiabatic deceleration of cosmic rays in the solar wind, 24:28127
  - Correlation of greater than or equal to 30-keV electron pulses and magnetic fields in magnetosheath and beyond, 22:15430
  - Cosmic-ray diffusion tensor and its variation, 22:47848
  - Cosmic-ray life and stochastic nature of the galactic magnetic field, 23:20725
  - Cosmic-ray modulation by an angle-dependent solar wind, 25:40398
  - Cosmic-ray propagation. I, 21:3706
  - Cosmic-ray propagation. II, 21:39838
  - Deceleration and acceleration of cosmic rays in the solar wind, 25:33002
  - Discussion of diffusion of solar cosmic rays and the power spectrum of the interplanetary magnetic field, 23:1128
  - Diurnal intensity variation of low-energy electrons, 21:43920
  - Energy changes of cosmic rays in the solar system, 21:39868
  - Energy changes of cosmic rays in the solar system, 22:11289
  - Faraday rotation, dispersion in pulsar signals, and the turbulent structure of the Galaxy, 23:48674
  - Implications of small observed anisotropy of 7.5- to 45-MeV cosmic rays, 22:31664
  - Interplanetary scintillations and the structure of solar-wind fluctuations, 24:27972
  - Interstellar polarization of starlight and the turbulent structure of the Galaxy, 23:41883
  - Long-wavelength turbulence and the heating of the solar wind, 23:36351
  - Propagation of cosmic rays in the solar wind, 25:38175
  - Random walk of magnetic lines of force in astrophysics, 22:36604
  - Solar modulation and the energy density of galactic cosmic rays, 21:20618
  - Spectral shifts in quasi-stellar objects, 21:3622
  - Stochastic aspects of magnetic lines of force with application to cosmic-ray propagation, 23:20629
  - Stochastic variations of cosmic rays in the solar system, 23:36541
  - Storage and diffusion of cosmic-ray electrons in the galaxy, 22:21942
  - Thin-screen model of interplanetary scintillations, 24:46946
  - Transport and composition of cosmic rays, 23:34301
- JOKISAARI, Jukka Studies on the PMR spectra of oxetanes. I, 24:22630

- JOKISCH, H. Absolute vertical muon intensity of cosmic rays at 1 GeV/c at sea level, 24:28124
- JOKLIK, Wolfgang K. Molecular biology of reovirus multiplication, 25:39392 (ORO-3857-3)
- JOKSIMOVIC, V. Comparison between a rigorous method of statistical fault analysis and some simpler methods, 24:50057
  - Statistical fault analysis method applied to advanced gas-cooled reactors, 24:5537
- JOKSIMOVIC, Voin Dynamics of AGR, 24:31046
- JOLAS, A. Comparison of a two-dimensional snowplough model with experiment, 22:31853
  - Production of neutrons by a noncylindrical Z pinch, 22:1280 (LA-3770, Paper C3)
  - Spectroscopic measurement of the electron temperature of a plasma in the vacuum uv, 25:9407 (CEA-N-1391)
  - Study of plasma focus by Thomson scattering and neutron anisotropy during neutron emission, 25:38399 (CONF-710607-39)
- JOLAS, Alain Measurement of the electron temperature of a rapidly changing plasma, 25:33220
- JOLDERSMA, T. Results from 3.0-GeV/c K^+ interactions in hydrogen, 23:18818
- JOLDERSMA, Tom Search for a strangeness +2 meson, 21:35273
- JOLICOEUR, Dianne M. Effect of total body irradiation on transplantation immunity, 21:20343
- JOLIVET, Andre Interactions in the wave equations of particles with spin, 25:22875
- JOLIVET, Jean U_3Si—C section of the U—C—Si diagram on the side of the U_3Si phase up to 950°C, 24:42269
- JOLIVETTE, P. L. Fluorine-18 states with large isospin impurities, 24:24512
  - Partial-wave analysis for certain simple systems with application to the reaction $^{16}O(d,\alpha_1)^{14}N$, 24:15803
  - Removal of ambiguities in an S-matrix analysis, 25:41260
- JOLIVETTE, Peter Lauson Isospin forbidden $^{16}O(d,\alpha_1)^{14}N$ reaction for 2 < E/sub d/ < 14 MeV, 25:56667
- JOLKIN, V. V. Compact source of polarized ions for pressurized Van de Graaff accelerators, 22:5699
- JOLLEC, Claude Use of microelectronics in linear circuits for nuclear spectrometry, 25:26494
- JOLLES, B. Destruction and recovery of radiosensitive tissues, 21:8959
  - Effects of temperature on skin radiation reaction, 22:43403
  - Effects of wavelength on biological effects, 24:44594
  - Enzymic processes in vascular permeability and fragility changes in the skin radiation reaction, 22:28559
  - Tissue reactivity, potentiation of radiation effects, and fractionation of dose, 23:48166
- JOLLES, Benjamin Studies of influence of wavelength on biological effects, 25:13583
- JOLLES, P. Lysozymes: a chapter of molecular biology, 23:29386
- JOLLIFFE, B. W. Thermal and electric conductivities of Sc, Y, and Mn and twelve rare earth metals, 21:3507
- JOLLY, A. B. Helicon-wave propagation in a laboratory plasma, 24:35491
- JOLLY, D. C. Electroconvective instability in a fluid layer, 24:12680
- JOLLY, H. P. 1d/sub 3/2/—1f/sub 7/2/ energy splitting at ^{40}Ca, 23:30982
  - 0^+, T = 2 states in A = 40 nuclei, 24:40485
  - Spectroscopic factors for pickup reactions on ^{40}Ca, 22:9838
- JOLLY, H. Paul Single-particle energy $1d^3/_2$—$1f^7/_2$, 23:47036 (ANL-7535, pp 149-50)
- JOLLY, J. E. Eta and neutron cross sections of ^{239}Pu and ^{233}U, 21:17341 (AERE-M-1709)
  - Measurements of eta, alpha, and neutron cross sections for ^{239}Pu on the Harwell neutron time-of-flight spectrometer, 22:18291
- JOLLY, L. Jr. Experience with an improved stack monitor, 22:45306
- JOLLY, O. P. Effect of impurities on the thermoluminescence of LiF single crystals, 24:14315
  - L/K electron capture ratio in decay of ^{159}Dy, 25:36771
- JOLLY, R. K. Collective 2^+ and 3^- excitations in Ni and Zn isotopes via inelastic deuteron scattering, 23:8972
  - Determination of trace elements in samples by nuclear scattering and reaction techniques, 25:57360
  - DWBA and the 3.12 MeV state in ^{60}Ni, 23:19240
  - Ground state spin of ^{123}Te by polarization measurements of protons scattered via analogue resonances, 21:44722
  - High resolution nuclear studies using cyclotron beams, 25:31124
  - Inelastic deuteron scattering from ^{54}Fe and ^{56}Fe, 24:40587
  - Isobaric analogue states in heavy nuclei. IV, 21:23522
  - Neutron-hole-state structure in N = 81 nuclei. I. ^{144}Sm and ^{142}Nd (p,d), 25:56770
  - Polarimeter for isobaric analog state spin measurements, 22:36154
  - Position sensing detector array for a charged particle magnetic spectrograph, 23:9729 (AERE-R-5897)
  - Semiconductor position sensitive detectors in magnetic spectrographs, 25:2463
- JOLLY, T. A. Pulsed nuclear magnetic resonance study of irradiated lithium hydride, 22:5429
- JOLLY, W. D. In situ weld defector detector acoustic emission, 22:47303 (BNWL-817)
  - Use of acoustic emission as a weld quality monitor, 24:46137 (BNWL-SA-2727)
- JOLLY, William D. Materials characterization study, 22:2607 (BNWL-547)
- JOLLY, William L. EPR studies and reaction of tetrasulfur tetranitride in sulfuric acid, 24:26884 (UCRL-19183)
  - Structures of sulfur—nitrogen compounds, 25:37248 (UCRL-20535)
- JOLOS, R. V. Anharmonic effects and appearance of the nuclear deformation in even—even nuclei, 22:3751 (INP-555/PL/PH, pp 125-36)
  - Anharmonic effects in even—even deformed nuclei, 21:46822
  - Anharmonic effects in nuclei of the transition region, 23:1894
  - Calculation of nucleon—phonon interaction effects in a simple nuclear model, 21:19300
  - Collective modes associated with nuclear pair correlations, 24:8960
- JOLY, Bernard Some characteristic aspects of the problems posed by the construction of a reprocessing plant, 21:391
- JOLY, F. Manufacture and properties of molybdenum, 22:6945
  - Manufacture and properties of molybdenum, 22:7006
  - Semi-industrial preparation of high-purity niobium and its analytical control, 21:18237
- JOLY, J. Hypertropy of salivary glands during the carcinoid syndrome, 24:9958
- JOLY, Michel Apparatus for the production and purification of a sublimable substance, 22:4159
- JOLY, R. Biological effects and possible hazards of very high frequency radiation from radar aerials, 23:29865
  - Crystal spectrometer for polarized neutrons, 24:9670 (UCRL-Trans-10421)
  - Effects of radar on reticuloendothelial function in mice, 21:3446
  - The 45 MeV linear electron accelerator at Saclay, 21:27494
  - Use of the linear accelerator as pulsed neutron source for physical research, 21:27495
  - VHF electromagnetic radiation from radar antennas, 23:29555
- JOMBIK, J. Analytical methods based on radioactive radiation. VIII, 24:2147
  - Sensitivity of radioisotopes x-ray fluorescence using Ross filters, 25:10479
  - Study of stability of dispersive systems by means of backscattering of beta radiation. I, 25:23889
- JONA, F. Determination of evaporated Si films by neutron activation, 22:25
- JONA, G. Effect of irradiation on iron uptake of liver-cells, 22:28349
  - Oxygen potentiated radiation therapy, 22:28592
- JONA, Gabor Dosimetry for therapy of uterine cancer, 23:35827
  - Effect of Nandrolone—decanoate on Fe metabolism after irradiation, 23:779
  - Effects of hyperoxygenation and radiation on growth of malignant tumors, 23:18116
  - Effects of irradiation and catabolic processes on the half-life of rat serum albumin, 23:4901
  - EKG-changes after large x-ray and cobalt doses to the left thorax, 24:48719
- JONAH, Fred C. Analysis of polar cap absorption events. III, 22:38890 (N-68-18824)
  - Analysis of polar cap absorption event. V, 23:18344 (N-68-31352)
  - Analysis of polar cap events. IV, 22:47892 (N-68-23538)
  - Major solar and solar induced phenomena during 20th solar cycle. II, 23:44104 (N-69-30268)
  - Prog. rpt. on polar cap absorption events, final, 12/17/65, 21:31306 (N-66-22351)
- JONAK, J. Mechanism of rejection of tolerated skin homografts, 23:16244
- JONA-LASINIO, G. Explicit examples of off-diagonal long-range order, 25:58918
  - Variational formulation of quantum field theory. I, 22:7554
  - Variational formulation of quantum field theory. II, 23:46805
  - Weinstein's predecay mixing effect, 21:9769
- JONARD, R. Effects of γ-irradiated sugars on tissue cultures in vitro, 24:44431
  - Restoration of x-ray damaged plant tissue cultures by nucleic acids and related products, 23:12132 (AEC-tr-6646/4A, pp 83-9)
- JONARD, Robert Action of glyoxal, product of radiolysis of sugar, on plant tissues cultivated in vitro, 23:50353
  - Action of sugars treated with ^{60}Co γ rays on development of vegetable tissues in vitro, 22:40519
  - Action of two alkylating agents on the tissues of Jerusalem artichoke tissues grown in vitro, 23:38885
  - Action of x rays on the formation of gentisic acid in the tuber tissues of Jerusalem artichoke (Helianthus tuberosus L), 21:32802
  - Are the substances produced during the irradiation of sugar substances of the radiomimetic type, 22:43261
  - Development of rice seeds Oryza sativa irradiated by ^{60}Co γ rays, 25:16378
  - Host-bacteria relationship in x-irradiated artichokes, 25:11306
  - Radiation restoration of artichoke rhizome tissues induced by kinetin, gibberellic acid, and RNA of yeast, 21:14771
  - Study of spontaneous restoration in artichoke tissues by the technique of partial radiation, 21:9014
  - Tumorigenesis induced by Agrobacterium tumefaciens in x-irradiated artichoke tissue, 21:18192
- JONAS, B. Effects of photodynamic action on E. coli, 23:33914
- JONAS, D. Photometric and kinematic study of SA 9, 25:22324
- JONAS, H. Fused-salt fluoride-volatility process for recovering U, 23:38055
- JONAS, Heinz Inductive flowmeter as pick-up for determination of the parameter in a two phase stream, 24:4506 (JUL-595-RB)
- JONAS, Istvan Kinetic analysis of the dissolution of uranium ore in continuous cocurrent reactor cascade, 25:46557
- JONAS, J. Effect of pressure on anisotropic reorientation of acetonitrile-d_3 in liquid state, 24:50386
  - Effect of pressure on the intramolecular and intermolecular contributions to dipolar spin relaxation in benzene and chlorobenzene in the liquid state, 24:36219
  - High pressure sample cell for the NMR relaxation time measurements in liquids, 24:45373
  - Molecular motions of deuterated isobutylenes in the liquid state, 24:50375
  - Nuclear magnetic resonance, 23:16900
- JONAS, J. J. High temperature flow stress and substructure strengthening of polycrystalline α-zirconium, 25:35401
- JONAS, Violet Effect of hydrogen bonding on the barrier to rotation about amide bonds, 24:195
- JONASSEN, Hans B. Infrared spectra of some 5-aminotetrazoles and their deuterated derivatives, 21:21936
- JONASSEN, Niels Radon-222 daughter ions in atmosphere, 24:20895
- JONASSON, G. Drop and fire tests of packagings in Sweden, 23:574 (CONF-681001-, pp 354-72)
  - Release of radioactive material in event of destruction of full Type A package, 23:588 (CONF-681001-, pp 646-62)
- JONATHAN, N. Photoelectron spectra of ground-state atomic H, N, and O, 25:9200
- JONCKHEERE, E. Fabrication of spheroidized particles, 24:42194 (DP-Report-149)
- JONDERKO, Gerard Iron metabolism studied with the isotope ^{59}Fe in experimental lead poisoning, 21:6464
- JONE, H. F. Gauge invariance and covariant Reggeization, 24:20104
- JONECKO, A. Bone marrow sections of rat after whole body-irradiation, 25:55330
  - Irradiation effects on thymus gland, 25:24305
  - Regeneration of peripheral blood in the thymectomized mice after sublethal whole-body irradiation, 22:23640
  - Regeneration of peripheral blood in thymectomized mice after sublethal whole-body irradiation, 25:4469
  - Thymus in mice with lethal bone marrow radiation dose, 24:21207
  - Thymus: a hematopoietic organ. III, 23:35877
- JONECKO, Antoni Mice subjected to thymectomy and their hematopoietic organs after a whole-body x-irradiation with 500-R dose, 23:2943
  - Modification of acute radiation injury, 23:10025
  - Serum protein changes in acute radiation disease in thymectomized mice, 22:28379
  - Survival of lethally irradiated mice, 23:10008
  - Thymus: a hematopoietic organ. I, 23:31917
  - Thymus: a hematopoietic organ. II, 23:22411
- JONEJA, O. P. Measurement of fast neutron spectrum using threshold detectors, 24:16312
  - Neutron cavity amplifier, 24:16311
- JONEK, J. Influence of x-rays upon the mitotic activity and DNA synthesis in endometrial glandular epithelium, 25:26659
- JONEK, Jan Influence of x-rays upon mitotic activity and DNA synthesis in endometrial gland epithelium in mice, 25:21891
- JONES, A. R. Angular distribution of radiation scattered coherently by a plasma cylinder, 21:7218
- JONES, A Vallance Intensity variation of OH emission in evening twilight, 24:35303
- JONES, A. Construction of a double-focusing sector-type spectrometer. II, 23:31543
  - Conversion electrons of ^{188}Re following neutron capture, 22:9895
  - Increase of the luminosity of a β spectrometer, 23:47806
  - Kinetics of hydrogen and deuterium atom abstraction by methyl radicals from hydrazines and substituted hydrazines, 21:4500
  - Properties of a double-focusing sector-type β spectrometer. I, 23:31542
  - Rate constants for atomic H recombination from 2500 to 7000°K, 23:30328
- JONES, A. B. Process computer for boiling water reactors, 24:7012
- JONES, A. D. Long term examination of glasses for the Fingal process, 21:10583 (CONF-660208-, pp 585-605)
- JONES, A. D. W. Beta decay of ^{24}Ne, 23:42892
  - Beta decay of ^{25}Na and ^{25}Al, 24:38165
  - Doppler-shift measurements of lifetimes of low-lying levels in ^{23}Na, 24:1807
  - Hole states of ^{51}V and ^{55}Mn, 22:20532
  - Lifetimes of excited states in ^{40}Ca, 23:42890
  - Low-lying excited states of ^{26}Al. I, 23:37172
  - Low-lying excited states of ^{26}Al. III, 25:28267
  - Properties of 5.256-MeV state in ^{29}Si, 24:30747
  - Radiative decay of the 1.472-MeV state of ^{19}O, 25:50656
  - Search for 72.5s /sup 30m/Al, 25:36715
  - Study of the $^{33}Cl(\beta^+)^{33}S$ decay, 25:7834
  - Study of the low-lying excited states of ^{26}Al. II, 24:15854
- JONES, A. Eric Effects of excess iodide on the metabolism of thyroxine in the rat, 23:2796
  - Truncated left hepatic lobe, 24:9891
- JONES, A. G. Neutron-deficient isotopes of polonium, 25:5696
- JONES, A. H. Photochemical exchange reaction of Michler's ketone, 25:10556
- JONES, A. R. Application of solid state amplifying radiation detectors in health physics, 21:17814 (AECL-2637)
  - Background compensation of personal dosimeters, 25:46851
  - Design and uses of miniature recording γ-ray dosimeter, 21:8624 (AECL-2629)
  - Gamma monitor for measuring environmental gamma doses and dose rates, 25:57721 (AECL-3989)
  - Plasma-density determination from the phase shift in scattered radiation, 22:48086
  - Portable area monitor for gamma rays, 24:25271
  - Portable contamination meter, 23:16075 (AECL-3144)
  - Scaler for health physics, 22:16924 (AECL-2796)
  - Single channel scintillometer for health physics, 22:302 (AECL-2767)
  - Survey meter for measurement of intense γ radiation, 22:21306 (AECL-3023)

Thermoluminescence dosimetry system based on extruded lithium fluoride dosimeters, 23:7854 (CONF-680920-, pp 751-72)
Use of miniature electronics in radiation protection, 24:36550 (AECL-3566)
Variable pulse width circuit for driving count rate circuits, 21:12724
Versatile radiation monitor using a silicon nuclear particle detector, 24:7625 (AECL-3455)
JONES, A. Russell Radiolysis of aliphatic carboxylic acids: the decarboxylation of normal acids at 38°, 25:49104
JONES, A. S. Use of tritiated water, 4-aminoantipyrene, and N-acetyl-4-aminoantipyrene for the measurement of body water in living pigs, 21:14169
JONES, A. V. Exact propagator, 25:59349
Ring integrals and the Fermi function, 24:42851
Studies of auroral hydrogen emission in west-central Canada. II, 21:5137
JONES, A. Vallance Altitude profile of the infrared atmospheric system of oxygen in the dayglow, 22:29332
Auroral H emissions in west-central Canada. III, 23:39395
Optical upper atmospheric investigations at Univ. of Saskatchewan, 21:46233
Spectroscopic morphology of aurora, 23:46402
Summer daytime height profiles of O_2 at Fort Churchill, 24:23862
Twilight airglow measurements of OH and O_2 bands, 25:40455
Type-B red aurora, 22:52628
JONES, A. W. Autoelimination by means of x rays, 22:14971
Decreased variability in the cestode H. diminuta following irradiation of successive generations, 21:16513
JONES, Alan D. Complexes of actinide ions in aqueous solution, 24:2205
JONES, Alan David New composition of glass, 21:19885
JONES, Alan H. RF response of radiation survey instruments, 25:23932 (BRH/DEP-70-26, pp 173-81)
JONES, Alfred E. Sequential liver scanning, 24:14547
JONES, Alun R. High voltage supply for radiation detecting equipment, 23:16129
JONES, Arthur Effect of 14-MeV electrons on blood vessels of the mouse earlobe, 25:11254 (BNL-50203, pp 174-80)
JONES, Arthur E. Laser radiation effects on morphology and function of ocular tissue, 24:23308 (AD-696447)
Prog. rpt. on laser radiation effects on morphology and function of ocular tissue, annual, 8/67, 23:2916 (AD-661094)
Ruby laser effects on the monkey eye, 21:22683
JONES, Arthur W. Effect of x rays on developing cysticercoids of Hymenolepis microstoma, 25:19095
Moniliformis dubius: x-irradiation and temperature effects on morphogenesis in Periplaneta americana, 25:46962
Prog. rpt. on effects of radiation on host—parasite relationships, annual, 6/66—6/67, 21:36687 (ORO-1749-17)
Prog. rpt. on effects of radiation on host-parasite relationships, 6/15/68, 23:897 (ORO-1749-19)
Prog. rpt. on study of effects of radiation on host-parasite relationships, 6/15/69, 23:35666 (ORO-1749-22)
X-ray induced abnormalities and recovery in Hymenolepis microstoma, 21:24638
JONES, Austin E. Earthquakes associated with underground nuclear explosions, 23:40904
JONES, B. Distribution of antimatter in Universe, 24:42497
Short-term pulsar energy fluctuations, 24:12549
JONES, B. B. Echelle spectrograph for high resolution studies of the solar vacuum ultraviolet spectrum, 25:35054
Grazing incidence spectra of the Sun, 25:13875
Helium-like ion forbidden line emission and solar active regions, 25:49656
High-resolution solar ultraviolet spectrum between 200 and 220 nm, 25:49646
Xuv and soft x-ray spectra of Sun, 22:41168
JONES, B. D. Measurement of the branching ratio K/sub L/° $\rightarrow 2\pi^{\circ}$/K/sub L/° $\rightarrow 3\pi^{\circ}$, 23:34524
JONES, B. E. External radiation doses from occupational exposure, 23:16310
Role of the film badge in personnel dosimetry, 22:21513
JONES, B. F. Effect of fast neutron irradiation on high modulus graphite fiber, 25:45152
Gas permeability of extruded graphite, 25:55612
Membership in open cluster NGC 7062, 25:13801
Membership of intermediate-age open cluster NGC 2420, 25:9031
Observation concerning the pore structure of extruded graphite, 25:32816
JONES, B. G. Influence of axial heat diffusion in liquid metal-cooled ducts, 22:49019
Thermal analysis of forced cooling system of Illinois advanced TRIGA reactor, 22:33017
JONES, B. K. Critical velocities of ions in liquid helium, 24:3292
Experiment regarding the wave function of superfluid helium, 22:1098
Flow of He II through fine pores, 24:3291
High-speed vortices in helium, 23:8550
Simple liquid helium pressure transducer, 22:28253
JONES, B. L. Effect of an external radiation on the energy levels of an electron system, 23:1195
JONES, B. M. Parallel processing pattern recognition system UCPR1, 21:28232
JONES, B. T. Measurement of gastric emptying using ^{129}Cs, 25:21539
JONES, B. W. Anti-coincidence shielding using NaI(Tl) offcuts, 23:17775
Submillimetre observations of the night sky emission above 120 kilometres, 25:40303
JONES, Barclay G. Influence of axial conduction on heat transfer to liquid metals in reactor coolant channels, 21:8143
JONES, Berwyn E. Fluorometric method for determining trace quantities of fluoride, 23:11424
JONES, Brian Ernest Control and inspection on the industrial uses of radioisotopes, 24:20958
JONES, Burton F. Internal motions in Praesepe, 25:35604
Internal motions in the Pleiades, 24:35005
Observations of highly eccentric orbits in the Pleiades cluster, 24:15005
JONES, C. Determination of g-meson spin, 25:45681
Measurement of the A_2^- meson mass spectrum, 25:22691
Preparation of transmission electron microscopy specimens from tubing, 23:41572
JONES, C. C. Large scintillation detector for photoneutron reactions, 22:16881
JONES, C. E. Helicity poles, triple Regge behavior and single particle spectra in high energy collisions, 25:19926 (NYO-2262-TA-234)
Helicity poles, triple-Regge behavior, and single-particle spectra in high-energy collisions, 25:33675
Recombination luminescence in irradiated silicon, 25:56295
Regge cut in proton—proton scattering, 21:11779
Theory of eigenvalues of S-matrix, 24:45610
Two-particle distributions and the nature of the Pomeranchuk singularity, 25:40970
JONES, C. Edward Analyticity and broken O(4) symmetry, 23:7188
Analyticity constraints on unequal-mass Regge formulas, 21:975
Branch points, fixed poles, and falling trajectories in complex J plane, 21:37936
Daughter trajectories and unequal-mass scattering, 21:25350
Elastic unitarity and Regge-cut discontinuities, 21:42467
Generalized O(2,1) expansion for asymptotically growing amplitudes, 25:36547
Investigation of hypotheses of Khuri's theorem on Regge-pole asymptotes, 21:33776
Lorentz poles in equal-mass scattering from analyticity and factorization, 22:44523
Many-particle scattering amplitudes, 24:3780
Partial-wave amplitudes in Regge-pole theory, 24:3781
JONES, C. G. Dissociation pressures and phase equilibria of the pentafluoroanisole—boron trifluoride complex system, 21:19588 (K-1689)
JONES, C. H. Beta irradiation of conjunctival sac: description of new applicator, 21:6511
Eye protection in ^{60}Co beams, 24:44517
PULSITRON: a compact, high-current electron beam accelerator, 25:50394
JONES, C. H. W. ^{129}I Moessbauer emission spectrum of β/sup 129m/TeO_3, 25:46537
^{129}I Moessbauer studies of the chemical effects of nuclear transformations in compounds of tellurium, 25:54704
Chemical effects of /sup 80m/Br $\rightarrow$ ^{80}Br transition in Na bromate, 24:50431
Chemical effects of β^--decay in ^{132}Te-labelled telluric acid, 24:38986
Chemically significant details of some nuclear reactions, 24:44059
Lifetimes associated with low-energy gamma transitions in ^{128}I and ^{134}Cs, 24:8905
Recoil thermal annealing bromates. I, 22:37794
Recoil thermal annealing in bromates. II, 23:320
Thermal annealing of β^{-1}-decay and isomeric transition recoil products in telluric acid, 23:2354
Transient annealing of isomeric transition recoils in sodium bromate, 21:45186
JONES, C. K. Alternating-current loss measurements in thin-film type II superconductors, 25:14189
Anisotropy and temperature dependence of ultrasonic attenuation in the mixed state of niobium, 22:52705
Characteristics of NbN Dayem bridges, 25:14201
Effect of paramagnetic centers on superconducting transition in oxygen-deficient $SrTiO_3$, 23:32304
High field properties of pure niobium nitride thin films, 23:30486
Low-temperature heat capacities of superconducting degenerate semiconductors, 24:28176 (UCRL-19163)
Magnetic studies of SnTe—MnTe, 24:23909
New effect in the low magnetic field ultrasonic attenuation of impure superconducting niobium, 21:13484
New effect in the low magnetic field ultrasonic attenuation of impure superconducting niobium, 21:41961 (N-67-22473)
Order parameter dependence of ultrasonic attenuation in the mixed state, 21:37399
Preparation and properties of superconducting thin films of β-W structure compounds, 24:23935
Preparation and superconducting properties of thin films of transition metal interstitial compounds, 23:33376
Sputtering techniques for controlling composition of thin films of high-T/sub c/ superconducting compounds, 25:25034
Superconducting interactions in tin telluride, 22:29427
Superconducting properties of Nb—Ti nitride thin films, 24:8420
Ultrasonic attenuation in lead: intermediate state structure effects, 21:27087
Ultrasonic investigation of energy gap anisotropy in superconducting molybdenum, 22:11361
Vacancies and superconductivity in titanium monoxide, 22:29437
Very high critical current and field characteristics of niobium nitride thin films, 25:14193
JONES, C. M. Elastic and inelastic scattering of protons from krypton, 24:13342
Experimental techniques used in a precision charged particle absolute cross section measurement, 23:16123
Isobaric analog resonances in proton inelastic scattering from ^{136}Xe, 24:40640
Level structure in ^{15}O from the proton bombardment of ^{14}N, 23:30959
Neutron particle—hole states observed by inelastic proton scattering from ^{136}Xe, 23:17110
Nuclear structure studies from proton and deuteron induced reactions on ^{136}Xe, 23:42915 (ORO-2972-87)
Parity nonconservation in the force between nucleons, 25:7813
Reactions ^{136}Xe(d,p) and ^{136}Xe(d,t), 23:7303
Resonances in proton elastic scattering from ^{136}Xe, 23:37275
Scattering chamber for gaseous targets, 23:17045
Search for excited states in ^{3}He, 22:7634
Simple trap for high pressure gas targets, 22:10599
Test of time-reversal invariance in reaction $^{16}O(d,\alpha)^{14}N$ and its inverse, 22:48471
Time-reversal invariance in the reactions $^{16}O(d,\alpha)^{14}N$ and $^{14}N(\alpha,d)^{16}O$, 25:33986
JONES, C. R. Collision cross sections and the Penning ionization reactions, $He(2^3S) + X \rightarrow He + X^+ + e$, 23:3292
Evolutionary trends in BWR primary system and containment designs, 25:5885
Temperature dependence of the cross section for the destruction of helium metastable atom $He(2^3S)$ by argon, 23:3291
JONES, C. W. Concrete-polymer materials. Second topical report, 24:39730 (BNL-50218)
Rotating sample holder for x-ray emission spectrometer, 22:16354 (GEPP-8)
JONES, Cecil Henry Improvement in reactor fuel assemblies, 24:26841
Nuclear reactor fuel element assemblies, 23:37797
Nuclear reactors, 23:47348
JONES, Charles F. Staffing nuclear plants, 22:12052
JONES, Christopher Curtiss Use of a 40" scintillation detector to measure (γ,n) and (γ,2n) reactions in ^{19}F, 21:44558 (IS-1678)
Use of a 40-in. scintillation detector to measure (γ,n) and (γ,2n) reactions in ^{19}F, 22:35237
JONES, Claude Randol Temperature dependence of several reaction rates of the helium metastable atoms, 23:1191
JONES, Colin Elliott Effect of stress on luminescence spectrum of irradiated silicon, 25:27849
Effect of stress on the luminescence spectrum of irradiated silicon, 24:51781 (AD-707690)
JONES, D. Limitations in low radiation dose measurements using thermoluminescence, 22:43115
New method of analysis of ionospheric drift measurements, 22:47907
Theory of the effect of collisions on ion-cyclotron whistlers, 25:17019
Thermoluminescent dosimeters of LiF and CaF_2:Mn incorporated in teflon, 21:1650
JONES, D. A. Crystal growth of fluorides in the lanthanide series, 23:14412
Erosion—corrosion of aluminum in high velocity water, 23:22462 (BNWL-SA-2080)
Survival of bacteriophage in soil sterilized with gamma irradiation, 24:44650
JONES, D. C. Age at x-irradiation and acute radiation mortality, 24:9948
Alteration of a small-intestine mechanoreceptor response by beta radiation, 23:29764
Influence of age on effects of irradiation with fast neutrons, 22:40890
Influence of whole-body exposure to x rays or neutrons on life span distribution of tumors among male rats, 22:28661
Radiation induction of epithelial cysts, 21:12989
Radiation induction of skin neoplasms in the male rat, 22:21576
Treadmill exercise performance by the aging irradiated rat, 21:36709
JONES, D. de G. Techniques for the measurement of electrode processes at temperatures above 100°C, 25:29779
JONES, D. E. Correlation between transverse fluctuations in interplanetary magnetic field and Kp, 23:25116
Flares, Forbush decreases, and geomagnetic storms, 23:39198
Hot nitrogen gas for heating thermoluminescent dosimeters, 23:698 (UCRL-71089)
Hot nitrogen gas for heating thermoluminescent dosimeters, 23:24470 (UCRL-50007-68-2, pp 1-8)
Lunar wake at large distances from the Moon, 23:30269
Magnetic fluctuations in magnetosheath: Mariner 4, 21:11520
Magnetic morphology of solar streams and its relation to geomagnetic storms, 22:2930
Mariner V: plasma and magnetic fields observed near Venus, 22:8860
Morphology of a solar—terrestrial event in March 1966, 23:39183
Natural terrestrial background variations between residences, 25:46827 (UCRL-72964)
Photo- and thermoluminescence of LiF:(Mg,Ti), 21:12687 (UCRL-50007-66-1, pp 1-7)
Power spectra and discontinuities of interplanetary magnetic field: Mariner 4, 22:13336
Semi-automated thermoluminescent dosimeter reader, 22:14853 (UCRL-70860)
Shock-aligned magnetic oscillations in magnetosheath: Mariner 4, 22:2957
Spectral observations of Jupiter, 24:17621
Thermoluminescent emission spectrum of LiF, 23:31563 (UCRL-50007-68-3, pp 1-5)
Thermoluminescent materials for personnel monitoring in gloved box operations, 21:12689 (UCRL-50007-66-1, pp 28-36)
TLD supralinearity and optical absorption in LiF crystals, 23:1518 (UCRL-71090)
Transverse fluctuations in the interplanetary magnetic field, 21:43922
JONES, D. E. A. Atlas of radiation dose distributions. III, 22:51674 (STI/PUB-120(Vol.3))

  - Measurement of peak kilovoltage of low energy x-ray generators, 23:38360
  - Radiological survey of diagnostic x-ray equipment, 23:9951
  - Specification of thorium-x activity, 24:44503
- JONES, D. G. Development of a 4π liquid scintillation counting method for the absolute standardization of radioactive solutions with particular reference to efficiency tracing measurements, 22:14766
- JONES, D. H. Seed-blanket converter-recycle breeder reactor, 22:1877
- JONES, D. H. P. Brightest variable in the globular cluster ω Centauri, 22:43812
  - Kinematics of Scorpio—Centaurus association and Gould's belt, 25:35798
  - Observations of southern RR Lyrae stars, 23:39084
  - Red RR Lyrae variable DK Velorum, 25:58453
  - Short-term variations in line strengths of planetary nebulae, 23:1077
- JONES, D. J. Preparation and some properties of tungsten—rhenium—osmium alloys, 22:7023
  - Production of tungsten alloy penetration radiation shields, 22:6953
- JONES, D. Llanwyn Analysis of transient elf disturbances within Earth—ionosphere cavity, 25:27592
  - Apparent resonance frequencies of Earth—ionosphere cavity when excited by a single dipole source, 25:38241
  - Magnitude of sources of transient excitation of Schumann resonances, 25:27591
  - Schumann resonances and elf propagation for inhomogeneous, isotropic ionosphere profiles, 21:41927
  - Schumann resonances and elf propagation for inhomogeneous, isotropic ionosphere profiles, 22:5252
  - Transient excitation of Schumann resonances, 24:35311
- JONES, D. M. Design of rocket-borne instrument to measure far-infrared radiation in the night sky, 24:33961 (LA-4357)
  - Isotope effect in zinc and zirconium, 22:41502 (COO-1098-17)
  - Miscellaneous observations on film flow, 22:50094 (LA-DC-9731)
- JONES, D. P. Nucleation of superconductivity in Ta, 23:14719
  - Polarization of Σ^- in $\pi^- + p \rightarrow \Sigma^- + K^+$ at 1130 MeV/c, 23:18814
  - Scattering of K^- mesons from a polarized proton target, 24:3531
  - Scattering of π^- mesons from polarized proton target, 24:3532
  - Scattering of π^- mesons in momentum range 875 to 1579 MeV/c from polarized proton target, 22:20146
  - Supercooling of superconductors below the surface nucleation field, 21:39970
- JONES, D. R. Field testing requirements for fuel, curtains, and control rods, 25:54098 (NEDO-10017)
  - Method of gamma-ray transport simulation in inhomogeneous media, 21:15215
- JONES, D. T. Elastic scattering of 50 MeV protons by nuclei in range from ^{42}Ca to ^{208}Pb, 25:25700
- JONES, D. T. L. Polarization in neutron—proton scattering at 21.6 MeV, 25:53531
  - Spectroscopic factors for levels in ^{11}C, 24:43156
- JONES, D. W. Direct digital computation of NMR moments from broad-line spectra at varying temperatures, 22:32015
  - Faraday cup and secondary-emission monitor calibration, 21:33817
  - Neutron spectrometer using pulse shape discrimination, 22:28159
  - New circuit for pulse shape discrimination, 22:40405
  - Nondestructive assay of fissionable materials, 24:2166
- JONES, Dallas Wayne Neutron spectrometer for investigating photonuclear reactions, 21:34492
- JONES, Daniel P. Metal cations in cellular adhesion, 22:49243
- JONES, Dave C. Age at x-irradiation and acute radiation mortality in the adult male rat, 23:29563 (AD-675514)
  - Effects of whole-body irradiation, 24:23330 (CONF-690501-, pp 439-47)
  - Radiation induction of skin neoplasms in the male rat, 21:28598 (USNRDL-TR-67-37)
- JONES, David C. Influence of age at exposure on persistent and late effects of irradiation with fast neutrons, 22:33896 (AD-662222)
- JONES, David C. L. Radiobiology of large animals, 25:49281 (AD-716615)
- JONES, David O. M. Photographic photometry of stars in NGC 457, 23:6806
- JONES, Dixon Douglas Semi-analytic Monte Carlo method: extensions in linear transport theory, 25:14871
- JONES, Donald E. Thermoluminescent radiation dosimetric material, 23:2669
- JONES, Donald L. Energy deposition in the solar wind by flare-generated shock waves, 22:41267
  - Experimental study of cylindrical magnetohydrodynamic blast waves, 22:26400
  - Experimental verification of negative Faraday rotation, 25:52865
  - Precursor ionization from exploding wires, 22:13510
- JONES, Douglas Applications for phosphor-Teflon thermoluminescent dosimeters, 24:27445
  - Experience with a new thermoluminescence method for finger and hand dosimetry employing LiF—Teflon dosimeters, 22:383
  - Finger and hand dosimetry using solid thermoluminescent LiF—teflon dosimeters, 21:12887
  - Phosphor-teflon thermoluminescent dosimeters to measurement of dose-rate from radioactive jewellery, 23:9765
  - Thermoluminescence personnel dosimeter badge, 23:7856 (CONF-680920-, pp 807-13)
  - Use of phosphor—Teflon thermoluminescent dosimeters in health physics, 22:8398
- JONES, Douglas E. Comparison of magnetic fields during flight of Mariner IV, 23:39187
  - Polarity pattern of the interplanetary magnetic field during solar rotations 1798 to 1808, 21:18517
  - Radial dependence of interplanetary magnetic field: 1.0 to 1.5 AU, 23:30266
- JONES, Dyfrig Effect of latitudinal variation of magnetic field strength on ion cyclotron whistlers, 23:39369
- JONES, E. CERN electron storage and accumulation ring, 22:32250 (CEAL-2000, pp 86-9)
  - Experiments in the longitudinal phase space with the CESAR, 24:10882
  - Experiments in the transverse phase space with the CESAR, 24:10883
  - Experiments with the CERN electron storage and accumulation ring (CESAR), 21:29730
  - Measurements of stacking efficiency with CERN electron storage and accumulating ring, 21:29656 (CERN-67-11)
  - Recent experiments with CESAR (electron storage and accumulation ring at CERN), 22:11810
  - Report on the performance of the superconducting injector for the Stanford Linear Accelerator, 23:28185
  - Storage rings at CERN, 22:41911
- JONES, E. A. Hepatic scintillography, 22:45607
- JONES, E. C. 180° electron scattering from ^{3}He and ^{4}He, 24:52402
  - Electron scattering from ^{3}He and ^{4}He, 23:39928
- JONES, E. C. Jr. Electron scattering from ^{20}Ne and He, 24:43109
  - Electron scattering from Mg at 180°, 22:27071
  - Excitation of ^{20}Ne by 180° electron scattering, 25:45958
  - Magnetic transitions in ^{28}Si excited by 180° electron scattering, 24:15852
  - Refrigerated gas target apparatus for electron scattering, 24:10881
  - States of ^{25}Mg excited by 180° electron scattering, 24:15853
- JONES, E. D. AFCA2: computer program for analysis of data from an automatic foil counter, 21:28194 (AERE-R-5315)
  - Crystal-field interactions in rare earth intermetallic compounds, 23:8655 (CONF-681020-(Vol.1), pp 261-72)
  - Determination of neutron-flux parameters from reaction-rate data for detectors used in Harwell reactors, 22:16264 (AERE-M-1870)
  - Nuclear magnetic resonance measurements in NaCl-type rare-earth group VA intermetallic compounds, 22:24383 (CONF-670502-, pp 68-77)
  - Nuclear magnetic resonance measurements in PtP_2 and $PtAs_2$, 22:39202
  - Observation of ^{141}Pr and ^{169}Tm nuclear magnetic resonances in paramagnetic states of rare-earth intermetallic compounds, 21:37550
  - Observation of neutrons produced by laser irradiation of lithium deuteride, 24:10560
  - Phosphorus NMR in paramagnetic state of U_3P_4, 21:37618
  - Praseodymium-141 and ^{169}Tm NMR in Van Vleck intermetallic paramagnets, 25:5226
  - Strength of the s-f exchange interaction in rare earth intermetallics, 21:25195
  - Temperature dependence of Eu^{3+} spin [S(T)] in EuP, 22:15622
  - Temperature dependence of the V NMR frequency shift in V_2O_3, 24:12909
- JONES, E. D. Jr. Conservation economics and reactor technology, 21:21667
- JONES, E. G. Method of correcting for absorption of ^{14}C in animal tissues, 25:49094
- JONES, E. H. Basic reasons for roentgen radiation protection, 23:26805
- JONES, E. J. Beam measurements during commissioning of Harwell variable energy cyclotron, 12/65-8/66, 21:19096 (RHEL/R-135)
  - Extraction performance of Harwell variable energy cyclotron, 25:31103
  - Harmonic operation of Harwell variable energy cyclotron, 25:31115
- JONES, E. L. Lymph node calcification in Hodgkin's disease, 24:48723
- JONES, E. O. Mixed field dosimetry in a neutron exposure volume of a modified research reactor, 22:47028
- JONES, E. P. Electric quadrupole moment of ^{40}K, 23:23656
- JONES, E. R. Jr. Bis(cyclooctatetraenyl)neptunium(IV) and bis(cyclooctatetraenyl)plutonium(IV), 24:41299
  - Moessbauer spectra and magnetic susceptibility of $NpCl_4$ below 85°K, 25:17323
- JONES, E. W. Detection and measurement of plutonium contamination in wounds, 23:14188
- JONES, Eifionydd Effect of radio frequency program noise on stacking procedures in storage rings, 21:42482 (CERN-67-1)
  - Recirculation at Stanford High-Energy Physics Laboratory, 24:37978 (AD-703242)
- JONES, Elaine Determination of selenium and tellurium in silver chloride and uranium oxide, 22:42
- JONES, Elaine A. Determination of molybdenum in uranium compounds, 23:49690 (NIM-417)
  - Determination of selenium and tellurium in silver chloride and uranium compounds, 22:48818 (NIM-244)
- JONES, Eric M. Parent masses of cluster white-dwarfs, 24:12506
- JONES, Eric Manning Pulsational characteristics of low-mass Cepheid model, 25:13823
- JONES, F. L. Arc plasma coatings for refractory metals, 21:9063
- JONES, F. T. Effects of temperature and additives in radiolysis of KNO_3, 24:22704
  - Radiation chemistry of gaseous ammonia. I, 22:2130
  - Radiation chemistry of gaseous ammonia. II, 22:2131
- JONES, F. W. Analog spectral analysis of geomagnetic micropulsations, 22:2916
  - Performance evaluation of precision numerically controlled turning equipment, 25:37525 (Y-NA-134)
  - Response method for the analysis of geomagnetic micropulsations, 24:49071
  - Spectral analysis of pearls, 22:41445
- JONES, Francis Robert Improvements in and relating to steam generators, 21:24149
- JONES, Frank C. Calculated spectrum in inverse-Compton-scattered photons, 22:22349
  - Dynamic equation for stochastic magnetic field lines in Galaxy, 25:58657
  - Examination of the leakage-lifetime approximation in cosmic-ray diffusion, 25:11743
  - Fluctuation of cosmic-ray anisotropy and the dimensionality of propagation, 25:9258
  - Formation of energy spectra in synchrotron sources, 25:30146
  - Identification of moving magnetic field lines, 22:38892 (N-68-19274)
  - Identification of moving magnetic field lines, 22:47961
  - Identification of moving magnetic field lines. II, 25:22430
  - Suprathermal proton bremsstrahlung by Weizsaecker—Williams method, 25:58837
- JONES, Frank N. Optically active trans-cyclooctene from an asymmetric Hofmann elimination, 21:78
- JONES, G. Annihilation of positrons in Ar. II, 23:32151
  - Annihilation of positrons in Ar. I, 23:32152
  - Associated particle method for total proton reaction cross sections at 15.8 MeV, 23:8902
  - Attachment fixture for class A fibrous thermal barrier, 24:7545 (GAMD-9116)
  - Electric field dependence of the annihilation rate of positrons in helium, 23:22891
  - Fitting of double exponenial lifetime spectra using a maximum likelihood technique, 25:19881
  - Maximum likelihood technique for fitting counting distributions. I, 23:2724
  - Mechanical properties of fibrous insulation materials considered for the thermal barrier for a prestressed concrete reactor vessel, 24:3051 (GAMD-9074)
  - Structure in spectrum of pions produced by Fermi motion, 24:52451
  - Temperature dependence of the annihilation rate of positrons in argon gas, 22:52533
  - Time resolution and pulse shapes in zero crossover timing, 22:16955
- JONES, G. A. Analysis of isobaric analogue resonances as Breit—Wigner type resonances, 21:25608
  - Ground state spin of ^{129}Te by polarization measurements of protons scattered via analogue resonances, 21:44722
  - Isobaric analogue states in ^{90}Zr, 21:25530
  - Isobaric analogue states in nuclei, 25:36676
  - Isobaric analogue states of ^{119}Sn and ^{121}Sn, 21:25527
  - Isobaric analogues of states in ^{90}Zr, 21:7795
  - Nuclear surface, 25:36824
  - Shorted guard-ring quartz gage, 21:42856 (SC-RR-67-568)
- JONES, G. B. Movement of Cu, Mo, and Se in soils as indicated by radioactive isotopes, 22:10364
  - Specific activity of labeled lactate in biological fluids, 21:1260
- JONES, G. D. Angular correlation measurements on excited states of ^{42}Ca, 25:12465
  - Angular correlation studies in ^{34}S, 25:20348
  - Core excitation in ^{30}P, 25:5670
  - Deuteron-nucleus effective interaction and DWBA calculations for the ^{90}Zr(d,p)^{91}Zr reaction, 21:38334
  - DWBA and spin-orbit effects in the ^{46} ^{48}Ti, ^{50} ^{52}Cr(d,p) reactions, 21:33930
  - Evidence for a ground-state triplet in ^{45}Ti, 23:5837
  - Excited states of ^{44}Ca, 25:5626
  - Low-lying energy levels of ^{45}Ti, 22:26965
  - Nuclear structure of ^{60}Ni by ^{59}Co(^{3}He,d)^{60}Ni and ^{60}Ni(p,p')^{60}Ni reactions, 22:7666
  - Optical absorption of the F_2^- center in sodium fluoride, 21:838
  - Optical-model analysis of 38 MeV ^{3}He elastic scattering, 25:43878
  - Quasielastic and quasi-inelastic (^{3}He,t) scattering from Ni isotopes, 24:10959
  - Reaction ^{16}O(d,p)^{17}O, 21:25454
  - Reactions ^{64}Zn(p,p')^{64}Zn and ^{64}Zn(p,d)^{63}Zn at 26 MeV, 23:8966
  - Study of ^{46}Ti by ^{45}Sc(^{3}He,d)^{46}Ti and ^{46}Ti(p,p')^{46}Ti reactions, 22:29968
  - Study of nuclear structure of ^{28}Si by ^{27}Al(^{3}He,d)^{28}Si reaction, 22:15995
  - Study of nuclear structure of ^{28}Si by ^{28}Si(p,p')^{28}Si reaction, 22:15994
  - Study of reaction ^{28}Si(p,d)^{27}Si, 22:9812
- JONES, G. E. Genetic implications of DNA repair, 23:35653
- JONES, G. H. Design for access and inspection in gas-cooled reactors, 25:60026
  - Fabrication of a beryllium test panel, 21:24726 (N-67-11824)
- JONES, G. J. Conformal mapping of stepped surfaces, 24:24944 (IS-2254)
- JONES, G. K. Cost benefit analysis of the choice between nuclear and other fuels, 25:59921
- JONES, G. M. Organization and administration of irradiation program for fast reactor Dounreay experimental reactor establishment, 21:21629 (CONF-660511-, pp 8.4.1-11)
- JONES, G. Parry NMR spectrometer, 25:6595
- JONES, G. R. Arc column decay, 22:50185
  - Crystal structure of a trimeric form of technetium oxide tetrafluoride, 23:2261
  - Crystal structures of W, Mo, Re, and Tc oxide tetrafluorides, 21:23889
  - Electrical conductance decay of arc columns in some common gases, 24:3341
  - Fluoride crystal structures. XII, 25:122
  - Health physics aspects of ^{133}Xe lung studies, 25:55248
  - Transient behavior of cylindrical arc column, 24:3366

JONES, G. S. New source of highly stripped heavy ions, 22:35167 (AD-665866)
JONES, Gary E. Pulsed high intensity x rays: inactivation of human cells cultured in vitro and limitations on usefulness in radiotherapy, 22:23417 (UCRL-17481, pp 133-7)
  Soil concentrations of emanating ^{226}Ra and the emanation of ^{222}Rn from soils and plants, 21:6078
JONES, Gary Edward L-asparagine degradation in Saccharomyces cerevisiae, 24:26888 (UCRL-19480)
JONES, Gary Jermyn Kinetics of lateral growth, 24:38662 (IS-T-357)
JONES, George Optical absorption spectrum and optical Zeeman effect in triply ionized ytterbium-doped calcium tungstate, 21:40811 (AD-649325)
JONES, Graham Henry Hole-measuring devices, 23:19885
  Nuclear reactor servicing installations, 24:47978
JONES, H. Compensation of paramagnetic effect on H/sub c2/ by magnetic impurities, 25:17074
  Dipole moment and microwave spectrum of bromoactetylene, 21:10356
JONES, H. C. Modifications of the ORNL Model Q-2564 high-sensitivity coulometric titrator, 22:22933 (ORNL-TM-2175)
  Solid-state automatic beam positioner for mass spectrometers, 25:55075 (K-1817)
JONES, H. D. Distorted-wave Born-approximation analysis of the ^{90}Zr(d,α)^{88}Y and ^{89}Y(^{3}He,α)^{88}Y reactions, 25:56778
  Energy levels of ^{168}Tm, 25:39035
  Energy levels of ^{174}Lu, 24:40657
  Two-quasiparticle states in ^{158}Tb, 25:12578
  Two-quasiparticle states in ^{164}Ho, 25:3711
JONES, H. F. Covariant M functions for higher spin, 22:50476
  Covariant O$_4$ propagators and Toller poles, 23:10828
  Covariant O$_4$ propagators and Toller poles. II, 23:46781
  Covariant Reggeization and t-channel dip mechanisms in s-channel helicity amplitudes, 25:41117
  Dynamics versus selection rules in diffraction dissociation, 25:47889
  Natural zeros of Regge residues, 22:44512
  Nucleon Compton scattering, 23:25550
  Reggeization of invariant amplitudes, 22:24659
  s-channel helicity conservation and the stress-tensor, 25:19931
  s-channel helicity conservation, fixed poles, and dip mechanisms, 24:49520
  Threshold conditions for helicity amplitudes, 21:40172
  Threshold cusps in Regge trajectories, 22:32223
  U$_{6,6}$ and superconvergent sum rules for $\pi N \rightarrow \pi N^*$ scattering, 21:21233
  U$_{6,6}$ and superconvergent sum rules for meson—baryon scattering, 22:3430
JONES, H. G. Dispersion and damping of electron plasma waves, 21:35158 (CONF-670104-Pt.2, pp 463-73)
  Dispersion of electron plasma waves, 23:23222
JONES, Hardin Lifetime tolerance to radiation, 22:36334
JONES, Hardin B. Radiation exposure limits and their biological basis, 22:8598 (CONF-670305-, pp 289-96)
JONES, Harrison P. Formation of resonance lines in multidimensional media. I, 25:19395
JONES, Harrison Price Line formation in multidimensional media, 25:19424
JONES, Heber D. Neutron—proton interaction in odd—odd deformed nuclei, 25:28514
JONES, Heber David Nuclear reaction studies of odd—odd deformed nuclei, 24:47658
JONES, Hilary David Calculation of phonon lifetimes in solid argon, 22:13535 (NYO-3699-21)
JONES, Hugh V. Jr. BONER: on-line multi-laboratory data acquisition system, 24:7673 (CONF-690301-, pp 266-75)
  Boner-II an on-line multi-laboratory data acquisition system, 24:39401
JONES, I. G. Analysis of plutonium silicides and plutonium silicon carbides, 21:2932 (AERE-R-5280)
  Determination of carbon in stainless steels, 24:2096 (AERE-AM-110)
  Improvements in the determination of nitrogen in plutonium mononitride and uranium higher nitrides by chemical methods, 21:14144 (AERE-R-5329)
JONES, I. R. Apparatus for measuring properties of rotating magnetic field, 22:13451 (LRP-35/67)
  Experimental investigation of 90 MW rotating magnetic field pinch, 24:47220 (LRP-43/70)
  Plasma confinement in an alternating-current polyhedric system, 21:7179
  POODLE radioisotope propulsion technology, 21:12603
  Power systems, 23:534
  Radioisotope thermoelectric apparatus and fuel form, 21:43203
  Rotating magnetic field pinch, 21:37444 (IRP-31/67)
  Simultaneous, local measurement of two magnetic field components and the sum of their squares, 23:10609
JONES, I. S. Ionization energy loss of muons in a plastic scintillator, 22:48211
JONES, Ian R. Transit power supply, 25:48749
JONES, J. Distribution of antimatter in Universe, 24:42497
  Ionization coefficients in nitrogen containing radioactive impurities, 23:16828
  Measurement of radio-meteor ionization profiles, 23:39396
JONES, J. A. A medium fast time-of-flight front end, 21:32439
  Formation and reactivity of borides, carbides, and silicides. II, 23:32053
  Formation and reactivity of borides, carbides, and silicides. I, 23:32052
  Formation and reactivity of oxides and basic salts. II, 22:42675
  On-line computers in nuclear research. I, 21:16251
  On-line computers: a survey of techniques and concepts applied to low-energy nuclear research, 21:32524
  Use of a general purpose computer as a nuclear event analyzer, 21:23543 (TID-22410)
JONES, J. C. Integral dose in electron therapy, 22:51682
  X-ray spectra from accelerators in range 2 to 6 MeV, 21:35374
JONES, J. D. Beta decay of /sup 99m/Tc, 24:49917
  Determination of traces of mercury in biological material by neutron activation, 25:51420
JONES, J. E. Design and performance of a superconducting dipole magnet, 23:6250
  Doppler radio soundings of Antarctic ionosphere during 1968, 24:21698
  Metallic-U-fueled PWR for single-purpose desalting, 22:32954
  Physics, thermal-hydraulic, and fuel cycle cost analyses of a metallic uranium direct replacement core for PWR's, 23:40277 (ORNL-TM-2493)
  Transient ionospheric phenomena in Antarctica, 23:18521
JONES, J. E. Jr. Advanced converter LWR's based on U metal, 23:37533
  Fuel cycle economic analysis of oxide fueled power and process heat PWR's for seawater desalination, 23:13557 (ORNL-TM-2046)
  Metallic uranium fueled pressurized water reactors, 24:11288 (ORNL-TM-2451)
JONES, J. F. Polyimide resin in boron reinforced composites, 24:12476
JONES, J. G. 1969 RSIC computer-based information retrieval system in brief, 24:6573 (ORNL-TM-2719)
  Radiation Shielding Information Center program setup instructions manual, 25:14395 (CTC-INF-1017)
  Radiation shielding information center user documentation, 25:36247 (CTC-48)
JONES, J. J. High precision 1 GeV/c spectrometer, 23:7798
  Search for momentum-dependent fluctuations in pion—proton scattering near 1.04 GeV/c, 23:23384
  Total cross sections for $\pi^- p \rightarrow \Lambda K^0$, 25:33562
JONES, J. K. Critical heat flux for low pressure boiling water in forced convection in vertical seven heater rod bundle, 23:21884 (ORNL-TM-2122)
  Development of integrally finned dryer—superheater tubes for potassium Rankine Cycle boilers, 25:39624 (ORNL-TM-3383)
  Effect of ultraviolet light on nuclear fusion in Ustilago violacea, 23:45718
  Frequency spectrum of air shower radio pulses, 24:12668
  Mechanism of radio emission from extensive air showers, 21:33229
  Radio pulse production in extensive air showers, 23:30365
  Radio pulses from extensive air showers, 21:18479
  Radio pulses from extensive air showers, 24:49045
JONES, J. L. Response of dosimeters to ^{60}Co and pulsed electron irradiations, 25:35034
  Strontium fluoride as a thermoluminescent dosimeter, 23:26596
  Use of LiF (TLD 700) for doses greater than 0.1 M rad, 22:25675
JONES, J. M. Apparatus for reflectivity measurement of reactive and radioactive materials, 23:4863
  Apparatus for reflectivity measurement of reactive and radioactive materials, 23:38372
  Effects of ionizing radiation, climate, and nutrition on growth and structure of a lichen, 23:18127 (CONF-670503-, pp 111-19)
  Low-current beam-plasma experiments with a bearing on turbulence, 21:770
  Performance and stability of borosilicate glasses during rolling of stainless steel UO$_2$ fuel coupons, 23:16515 (ORNL-TM-2417)
JONES, J. Miriam Mortality and gross pathology of secondary disease in germfree mouse radiation chimeras, 25:32366
JONES, J. R. Kinetic isotope effects in proton-transfer reactions, 22:6301
  Kinetic isotope effects. V, 23:49799
  Kinetic isotope effects. VI, 24:4282
JONES, J. T. Chemical strengthening of Al$_2$O$_3$, 25:40119
  Spectrophotometric determination of Nb in Zr, Ti, and other metals with 4-(2-pyridylazo)resorcinol, 22:25268
  Spectrophotometric determination of small amounts of Ti in Zr, Zr alloys, Hf, Nb, and other metals, 25:16
JONES, J. W. S. High-temperature phase-equilibria in the Th—U—C system in the presence of free C, 21:13275
  Reaction between SrTiO$_3$ and Zr, and studies within the system SrO—TiO$_2$—ZrO$_2$, 22:25320 (AERE-R-5671)
  Surface-diffusion studies on UO$_2$ and MgO, 22:21707
JONES, James Byron Mounting member for vibratory device and extrusion apparatus incorporating the same, 22:28906
  Process for extruding green graphite, 22:28908
JONES, James Jordan Lambda hyperon—K meson production in pion—proton collisions near threshold, 24:18085
JONES, James R. Embryonic mobility and posthatching perception in birds after prenatal gamma irradiation, 24:41970
JONES, Jerry L. Investigation of n-butyl phosphate as a solvent for voltammetry, 24:18878
JONES, Joann Chelation of uranyl ions by adenine nucleotides, 21:12397
JONES, John D. Iodine analysis of biological samples by neutron activation of ^{127}I, with scintillation counting of Cherenkov radiation, 25:29030
  Simple, rapid method for determining trace mercury in fish via neutron activation analysis, 25:31850
JONES, John E. Thyroxine-binding globulin, 23:11957 (CONF-671111-, pp 315-24)
JONES, John E. Jr. Dual-purpose nuclear desalting plant using single-effect distillation, 24:29067 (ORNL-TM-2964)
JONES, K. Duality functions in a meson—baryon model, 24:52055
  Integral representations for complete four- and five-point Veneziano amplitudes, 24:13203
  Multiparticle Veneziano formulae corresponding to interaction of two classes of hadrons, 25:20014
JONES, K. A. Anisotropy of critical current density of superconducting oxygen-doped niobium, 23:14344
  Effect of O on attenuation of Nb, 23:27075
  Peak effect and clustering of dissolved O$_2$ in superconducting Nb, 22:44048
JONES, K. C. Electrical and atom-site location properties of ion-implanted germanium, 25:19799
JONES, K. L. Abnormal increase in ionospheric electron content, 22:17499
  Distribution of atmospheric ionization in region 15° to 30° south latitude, 22:29338
  Electrodynamic-drift effects in midlatitude F-region storm phenomena, 25:52722
  Electron content observations at Brisbane for 1965, 22:17526
  Origin of storm increases of midlatitude F-layer electron concentration, 25:27510
  Radio scintillations produced by irregularities at sporadic-E level, 23:6942
  Storm-time variation of F2-layer electron concentration, 25:27509
JONES, K. N. Normalization of (t,d) reaction, 22:50624
  Particle configurations in ^{207}Pb, 22:7733
  Study of ^{208}Pb(d,p)^{209}Pb reaction at energies above and below Coulomb barrier, 23:23733
JONES, K. W. Band-gap effects in stopping of ^{72*}Ge atoms in germanium, 23:1219
  Beta decay of ^{11}B, 24:13299
  Branching in β^+ decay of ^{42}Sc ground state, 25:53675
  Effects produced by fast neutron bombardment of Ge(Li) gamma ray detectors, 22:28264
  Effects produced by fast neutron bombardment of Ge(Li) gamma-ray detectors, 23:22147
  Energy levels of ^{44}Sc, 22:41984
  Energy loss of Ge atoms to electrons in Ge at energies below 100 keV. II, 21:14966
  Gamma rays from the ^{45}Sc(p,p'γ) reactor, 22:50569
  Gamma-ray branching from the ^{44}Ca ground-state analog in ^{44}Sc, 21:11996
  Levels of ^{53}Mn, 24:40596
  Lifetime of 5$^-$ 4585 keV ^{38}Ar level, 25:5664
  Lifetime of the $^1/_2{}^-$ 2791-keV ^{21}Ne level, 25:43870
  Lifetime of the 3.86-MeV state in ^{11}C, 24:22085
  Lifetimes of first four excited states of ^{32}S, 25:12486
  Nuclear lifetimes from bombardment of ^{2} ^{3}H by ^{20} ^{22}Ne, 24:3907
  Precision measurements of gamma-ray energies in region from 2.3 to 7.1 MeV, 21:38251
  Recoil-distance method for nuclear lifetime measurements, 23:30950
  Spearhead attack in coated particle fuel, 24:14978
  Spin, parity, and lifetime of the 4.46 MeV state of ^{32}S, 23:28289
  Stopping of 1- to 1.8-keV ^{73}Ge atoms in germanium, 25:49962
  Study of gamma rays from the reaction ^{43}Ca(p,p'γ)^{43}Ca and the decay of ^{43}K and ^{43}Sc, 22:29965
  Transition probabilities for low-lying states in ^{44}Sc, 22:26954
JONES, Kenneth A. Axial stability measurements at the Rochester Gas and Electric Reactor, 25:50940
JONES, Kent H. Radiolysis of cyclohexane and a mixture of cyclohexane and benzene, 21:14257
JONES, L. Three body decays of neutral K mesons, 24:40240 (COO-1195-187)
JONES, L. A. Plasma polarization shift for the resonance line of ionized helium, 24:10528
  Stark broadening of two neutral helium lines in plasmas, 24:23969
  Stark-profile measurements for the first four n-α lines of ionized helium, 25:52612
JONES, L. H. Search for decay K/sub S/^{0} $\rightarrow$ $\mu^+\mu^-$, 23:18794
  Search for decay K/sub S/^{0} $\rightarrow$ $\pi^+\pi^-\pi^0$, 25:25291 (COO-1195-209)
  Test of Δ S = Δ Q selection rule in K/sub μ 3/^{0} decay, 25:25290 (COO-1195-208)
  Test of ΔS = ΔQ selection rule in K/sub 3/^{0} decay, 25:25292 (COO-1195-210)
JONES, L. J. Solid scrap recycle in the fabrication of plutonium—uranium oxide, 24:32487
JONES, L. L. Jr. Analytical study of minimum critical mass of highly enriched ^{233}U, 24:20606 (WAPD-TM-933)
  Critical dimensions of ^{233}U aqueous systems containing ^{238}U or ^{232}Th, 21:1543 (WAPD-TM-632)
  Minimum critical mass of ^{233}U reflected by natural U in water, 24:33453
  Use of the computer in criticality studies, 22:22865 (WAPD-T-2122)
JONES, L. M. Atomic nitrogen in the upper atmosphere measured by mass spectrometers, 22:36854
JONES, L. P. Genetic selection in x-irradiated Drosophila, 21:26400
JONES, L. R. Effect of gamma radiation on adsorption of iodine and methyl iodide on activated carbon, 23:23937 (CONF-680821-, pp 204-26)
  Effect of gamma radiation on adsorption of iodine and methyl iodide on activated carbon, 25:21000 (CONF-700816-(Vol.2), pp 526-38)
  Iodine retention studies. Progress report, July—December 1970, 25:48327 (DP-1271)
  Iodine retention studies. Progress report, January—June 1970, 25:37106 (DP-1259)
  Prog. rpt. on iodine retention studies, 1—6/69, 24:7484 (DP-1213)
  Prog. rpt. on iodine retention studies, 7—12/69, 24:41388 (DP-1234)
JONES, L. W. Bypass-storage ring option for NAL, 22:15891
  Charged-particle multiplicities of proton—proton interactions between 90 and 800 GeV, 25:9638

n—p and n—nucleus total cross-sections in momentum range 10 to 30 GeV/c, 25:47734
Neutron total cross sections on protons and nuclei in 10 to 30 GeV/c momentum range, 25:56421
Neutron—nuclei total cross sections at 27 GeV/c, 22:44619
Neutron—nucleus total cross sections at 5.7 GeV/c, 24:15474
Neutron—proton and neutron—deuteron total cross sections at 4.0 and 5.7 GeV/c, 24:15473
New scintillation camera, 23:33466
Performance and cost studies for a mountain altitude high energy cosmic ray beam facility, 21:17099 (CONF-660918-, pp 220-3)
Use of cosmic rays to study physics in the range 100 to 1000 GeV, 21:29461
JONES, Larry R. Prog. rpt. on iodine and noble gas retention studies, 10/66—12/68, 23:48581 (DP-1209)
JONES, Lawrence W. Cosmic ray experiments and prospects, 25:5245 (CONF-700314-, Paper 5)
Experimental search for physical quarks, 24:51877
Experimental techniques for 200-GeV physics, 24:50617 (TID-25473(Vol.3), pp 17-34)
Neutral hadron detectors for NAL, 24:50621 (TID-25473(Vol.3), pp 57-63)
Neutron beam for NAL, 24:52287 (TID-25473(Vol.1), pp 195-201)
Neutron total cross sections on protons and nuclei in the 30 GeV/c momentum range, 25:50060 (PURC-4159-36)
Neutron—proton and neutron—deuteron total cross sections from 14 to 27 GeV/c, 22:17861
Neutron—proton elastic scattering from 8 to 30 GeV/c, 24:10667
Neutron—proton elastic scattering from 5 to 30 GeV/c, 25:40874
New autofluoroscopic camera, 22:2344 (ORNL-IIC-10(Vol.1), pp 248-67)
New autofluoroscopic camera, 22:36297
Peripheral dipion production by pions of 12 and 18 GeV/c, 22:20150
Search for massive particles in cosmic rays, 22:11566
Sign of the S = T = O $\pi\pi$ scattering phase shift, 23:49144
Use of image intensifiers with streamer chambers, 22:4479
JONES, Lee B. Electronic effects in solvolysis reactions. III. Solvolysis of allyl-substituted cumyl derivatives, 24:36227
JONES, Leon Servo controlled manipulator, 21:4653
JONES, Llewellyn H. Vibration rotation bands of C_2T_2. I. ν_3, 21:27964
Vibrational spectra and force constants for nitrosyl fluoride and ^{15}N and ^{18}O species, 22:4110
JONES, Lorella Analyticity and the daughter structure of conspiring Regge-pole families, 23:7185
Conspiracy relations in vector-meson production, 22:22400
Implications of unequal-mass kinematics for Regge-pole model of vector-meson production, 22:5566
Information about Regge-pole couplings from vector-meson production, 22:5589
Properties of Veneziano five-point function in Regge region, 24:37759
Regge residues in Veneziano model, 23:51933
Reggeization of pion exchange in production processes, 22:11681
Small-angle photoproduction and conspiracy, 22:5540
JONES, Lorella M. Helicity amplitudes at threshold, 23:25565
Patterns in direct-channel helicity amplitudes, 25:17496
Systematics of elastic scattering, 25:17593
JONES, Lorella Margaret Reggeization of some unequal mass processes involving higher spins: the reactions $\pi N \rightarrow VN$, $\pi N \rightarrow V\Delta$, and $\gamma p \rightarrow \pi^+ n$, 23:1643
JONES, M. Effects of x-irradiation on DNA synthesis and mitosis in the duodenal crypts of the mouse, 21:24619
Relativistic corrections to atomic energy levels, 25:24924
JONES, M. A. S. Reactions of graft versus host (GVH) type, 23:26705
JONES, M. B. Examination of CVTR components, 22:35428 (CVNA-289)
Periodic ultrasonic inspection of CVTR pressure tubes, 21:44825 (CVNA-288)
Proposed CVTR operation at 100 MWf, 21:31929 (CVNA-273)
JONES, M. B. Jr. CVTR summary report, 24:30980 (CVNA-281)
JONES, M. J. Conference of the Ninth Commonwealth Mining and Metallurgical Congress, London, 5/69. II, 25:21172
Conference of the Ninth Commonwealth Mining and Metallurgical Congress, London, 5/69. III, 25:21240
Conference of the Ninth Commonwealth Mining and Metallurgical Congress, London, 5/69. IV, 25:22006
JONES, M. S. Jr. MHD power generation status, 23:42018
JONES, Margaret Z. Radiation-induced cell characteristics in rat hippocampus, 24:23297 (CONF-690501-, pp 799-822)
Radiosensitivity of differentiating stratum granulosum, 24:23104 (CONF-690501-, pp 823-39)
JONES, Marjorie J. DNA synthesis in mixed cultures of dog leukocytes, 21:34566
JONES, Mark M. Acid and metal salt catalyzed hydrolyses of $PO_2F_2^-$ and PO_3F^{2-}, 25:18373
Ligand substitution catalysis via hard acid—hard base interaction, 24:16541
Metal ion promoted hydrolysis of fluorocarbons, 23:37940
Prog. rpt. on some aspects of the behavior of complex compounds, final, 7/1/70, 25:15461 (TID-25641)
JONES, Mark W. Solar research and development at Sacramento Peak Observatory, 23:36350 (AD-685230)
JONES, Mary Ellen Reinvestigation of the oxygen-exchange between water and phosphate during the hydrolysis of urea by urease, 21:14189
JONES, N. D. Development of high temperature thyratrons for large nuclear electrical space power systems, 24:31762
JONES, Nancy Mass spectrometric method for determination of ^{237}Np, 23:24095
JONES, O. C. Jr. Preliminary investigation of hot film anemometer in two-phase flow, 22:4310 (TID-24104)
Review of contact angle, wetting, and adhesion in three-phase systems, 24:33579 (KAPL-3882)
X-ray void measurement system for use in studies of two-phase flow, 24:50280 (KAPL-3859)
JONES, P. Conference on hydrogen-bonded solvent systems, Newcastle upon Tyne, Eng., 1/68, 23:15837
JONES, P. B. Derivative couplings in weak leptonic current, 23:49107
K meson leptonic decay, 24:30491
Pulsation damping by the nonleptonic weak interaction in hyperon stars, 24:12552
Renormalization of K/sub e3/ form factor, 23:5584
s-wave $K\pi$ interaction in K/sub l3/ decay mode, 22:41783
JONES, P. F. Energy levels of ^{19}F up to 6.043-MeV excitation, 24:38175
Exercise in computer assisted control using an ion source, 23:42795 (RHEL/R-179)
JONES, P. J. Anhydrous hexahalogeno-complexes of quadrivalent Pa, 21:14191
Bibliography on vibratory compaction of metal and ceramic powders, 21:20478 (AERE-Bib-153)
Bromo-complexes of quinquevalent Pa, Nb, and Ta, 21:14190
Methyl cyanide and NN-dimethylacetamide complexes of Th and uranium tetrahalides, uranyl chloride, and uranyl bromide, 21:10360
Protactinium(IV) halides, 21:30423
Protactinium(V) iodides, 22:2055
Quinquevalent Pa, Nb, and Ta nitrato-complexes, 21:8309
Routine recovery and purification of ^{231}Pa, 21:4608
Wetting of aluminum oxide and other oxides by liquid metals, 21:32854 (AERE-Bib-155)
JONES, P. L. Superconductivity and the magnitude of electron—phonon interaction, 22:24221
JONES, P. M. S. Adsorption of three hydrogen isotopes on charcoal, 21:12407
Beta radiolysis of dichlorodifluoromethane, 21:21962 (AWRE-O-99/66)
Diffusion of tritium through S110 and EN58E steels at 80 deg C, 21:1886 (AWRE-O-58/66)
Exchange of hydrogen isotopes between methane and erbium tritide, 21:5829 (AWRE-O-93/66)
Hydrogen in Be, 21:22858 (AWRE-O-2/67)
Hydrogen in beryllium, 21:24763
Hydrogen isotope diffusion, 21:14984
Oxidation of praseodymium, 21:3012 (AWRE-O-72/66)
Physical stability of lithium tritide and deuterotritides, 21:32135 (AWRE-O-27/67)
Physico-chemical studies of fused salt system. I, 22:12269 (AWRE-R-6/58)
Physico-chemical studies of fused salt systems. IV. 22:14473 (AWRE-R-2/61)
Physico-chemical studies of fused salt systems. II, 22:14474 (AWRE-R-7/58)
Physico-chemical studies of fused salt systems. VI, 22:15139 (AWRE-R-3/63)
Reaction of hydrogen with metal deuterides, 21:35908 (AWRE-O-50/67)
The stability of metal tritides—yttrium tritide, 21:45119
Thermal stability of metal hydrides, deuterides, and tritides, 23:43333
Tritium losses in large accelerators, 21:13774
X-ray examination of titanium hydride, 21:3011 (AWRE-O-60/66)
JONES, P. M. V. Measurement in GLEEP of thermal neutron absorption cross section of sample of highly purified Si, 24:28727 (AEEW-M-887)
JONES, Patrick Leonard Improvements in or relating to irradiation units, 21:39150
JONES, Paul S. Effects of a nuclear attack on rail activity centers, 21:8784 (AD-632560)
JONES, Philip Michael Improvements in or relating to nuclear reactor components, 25:34374
JONES, R. Effect of microstructure on tensile properties of irradiated stainless steel, 23:24950 (BNWL-870, pp 5.1-2)
Radiation hardening of iron, 23:24952 (BNWL-870, pp 5.4-14)
The use of photomultiplier tubes for photon counting, 24:532
JONES, R. A. Chemistry of dissociated water vapor and related systems, 22:25366
Influence of field-aligned currents on auroral-electron temperatures, 25:27603
Mass motion in the solar chromosphere, 25:13877
Models of the Earth's hydrogen geocorona, 25:7297
Ultraviolet line profiles of O I in the solar spectrum, 25:918
JONES, R. B. Angular momentum continuation from the s-wave, 22:22480
Creep of silicon carbide, 23:30174
Eigenvalue problem for the π—N partial waves, 21:27371
Inhibition of Nabarro—Herring creep by second-phase particles, 23:43979
Riemann surfaces and partial wave models, 24:37949
Uniformization in a soluble partial wave model, 25:59620
Unitary symmetry, 22:17991
JONES, R. C. High-resolution NMR by Fourier transformation, 24:35590
JONES, R. Clark Efficiency of radiation detection by photographic films, 24:14272
JONES, R. D. H. Prog. rpt. on field experiments on flux of radionuclides through a salt marsh ecosystem, 9/69, 23:48005 (ORO-3238-7)
JONES, R. E. Construction of the 12-foot bubble chamber superconducting-magnet cryostat, 25:1147
Elastic wave propagation, 23:9586
RUNKUT: computer routine for integrating systems of first order ordinary differential equations, 25:12906 (SC-M-70-868)
Small power sources for instrumentation and automated equipment in deep ocean engineering, 21:26089
Urban vulnerability to fire from nuclear bursts, 21:10879 (USNRDL-TR-1040)
JONES, R. F. Initial critical experiments of the EBWR Pu recycle program, 21:7956
JONES, R. G. Current distribution in a pure type-II superconductor, 21:29161
Nonlinearity in voltage-current characteristic of type-II superconductor, 21:18557
JONES, R. H. Analyticity properties of the scattering amplitude for singular potentials, 22:46553
Characterization of multichannel sources and design of molecular beam systems for their utilization, 23:20664 (UCRL-17859)
Characterization of multichannel sources and their utilization in molecular beam systems, 23:41913 (UCRL-19034)
Physics of the superbooster, 22:5680 (AERE-R-5205)
Steam generators: summary of the state-of-technology, 22:16206
US sodium components programme, 22:18504
JONES, R. J. High-energy physics utilization of ZGS, 22:32307 (CEAL-2000, pp 456-9)
Operational safety and radiation protection for Oak Ridge Isochronous Cyclotron, 21:4144 (ORNL-TM-364)
JONES, R. K. Cytogenetic effects of ^{144}Ce in hamsters, 24:34626 (LF-41, pp 192-202)
Effects of airblast on sheep in two-man foxholes, 25:60272 (DASA-2711)
Neoplasia induced by ^{90}Sr, 23:38805
Some observations on the toxicity of beta-emitting radionuclides inhaled in fused clay particles, 25:29438 (LF-43, pp 197-204)
Toxicity of inhaled ^{137}CsCl in beagle dog, 24:34624 (LF-41, pp 36-45)
Toxicity of inhaled ^{144}Ce fused clay in beagle dogs, 24:34623 (LF-41, pp 19-35)
Toxicity of inhaled ^{144}Ce fused clay in beagle dogs. III, 25:29436 (LF-43, pp 183-7)
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs, 24:34621 (LF-41, pp 8-14)
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. IV, 25:29431 (LF-43, pp 128-36)
Toxicity of inhaled ^{90}Sr fused clay in beagle dogs. I, 25:29437 (LF-43, pp 188-96)
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs, 24:34620 (LF-41, pp 1-7)
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs. IV, 25:29430 (LF-43, pp 123-7)
Toxicity of inhaled ^{90}Y fused clay in dogs, 24:34625 (LF-41, pp 46-58)
Toxicity of inhaled ^{90}Y fused clay in beagle dogs. II, 25:29434 (LF-43, pp 146-62)
Toxicity of inhaled ^{91}Y fused clay in beagle dogs. I, 25:29435 (LF-43, pp 163-70)
Toxicity of inhaled $^{91}YCl_3$ in beagle dogs, 24:34622 (LF-41, pp 15-18)
Toxicity of inhaled $^{91}YCl_3$ in beagle dogs. IV, 25:29432 (LF-43, pp 137-9)
Toxicity of inhaled β-emitting radionuclides, 25:32529 (CONF-700501-, pp 395-415)
Toxicity of injected ^{137}CsCl in the beagle dog. III, 25:29433 (LF-43, pp 140-5)
Transferable ^{90}Sr-induced leukemia in Holtzman rats, 25:587 (CONF-680529-, pp 517-32)
JONES, R. L. Development of a pressure dampening valve, 24:36134 (SCL-DR-70-99)
Impregnation of graphite with refractory carbides, 23:27148
Properties of single crystals of Cu containing BeO particles, 23:30159
Stationary systems with spherical symmetry consisting of many gravitating masses, 24:45598
Tensile deformation of copper single crystals containing BeO particles, 23:14326
JONES, R. M. Immunity to Dictyocaulus viviparus in calves. III, 25:26918
Immunity to Dictyocaulus viviparus in calves. II, 25:26919
JONES, R. O. LEED intensity calculations for Be, 25:36330
JONES, R. S. Experimental test of the pion—nucleon forward dispersion relations at high energies, 21:33700
High-energy, small-angle, p—p and anti p—p scattering, and p—p total cross sections, 21:44262
High-precision π^{+-}-p total cross sections from 8 to 29 GeV/c, 21:37708
N* production in π^{+-}-p and p—p interactions, 21:37701
Test of the pion—nucleon forward dispersion relations, 23:36851
JONES, R. V. Microbarograph record of waves from Chinese thermonuclear explosion, June 17, 1967, 22:194
JONES, R. W. Irradiation experience with fuel for power reactors, 25:54082 (A/CONF.49/P-158)
Ratio of capture to fission in ^{235}U and ^{239}Pu, 21:5527 (AECL-2618)
JONES, Ralph H. Nuclear reactor core configuration, 22:37590
JONES, Ralph J. Introduction to nuclear material control, 25:39686
JONES, Randall T. Genetics of bacteria in vivo as related to microbial ecology, 24:9191 (ORNL-TM-2801)
JONES, Ray SCOLDS: Spark chamber on-line data system, 25:26512
JONES, Richard B. Parameterization of spectrum-averaged thermal cross sections, 24:33098
JONES, Richard Michael Calculating propagation of LF radio waves in ionosphere. I and II, 23:32263
JONES, Robert A. Underwater remote handling systems, 23:2478

- JONES, Robert Archbold Consistency of the Liwshitz—Singer model of the Earth's hydrogen geocorona with data obtained from a solar hydrogen Lyman alpha rocket spectrograph, 24:45161
- JONES, Robert E. Jr. Automatic neutron activator analyzer, 24:46509
  - Method and apparatus for automatic neutron activation analysis, 23:19644
- JONES, Robert Earrol Improvements relating to the analysis of samples of material, 22:30881
- JONES, Robert Edwin Jr. Superconductivity of Pb—Bi alloys under high pressure, 25:52737 (IS-T-482)
- JONES, Robert H. Annunciator circuit, 23:14102
- JONES, Robert K. Acute effects of air blast on pulmonary function in dogs and sheep, 24:41087 (DASA-2461)
  - Prog. rpt. on effects of irradiation and blast on pulmonary function in sheep, 1/71, 25:37873 (DASA-2630)
  - Prog. rpt. on effects of irradiation and blast on pulmonary function in sheep, 1/71, 25:52185 (AD-721094)
  - Serum organic acids in sheep exposed to neutron—gamma irradiation, air blast, or both, 25:13384
- JONES, Robert L. Body potassium measurements with a total-body counter, 24:29218
- JONES, Robert S. Prog. rpt. on an ecological reconnaissance of Johnston Island, 8/63—8/64, 21:23793 (NVO-90-1)
- JONES, Robert W. Factorization and folded diagrams in Goldstone linked-cluster series, 25:59865
  - Perturbation theory of a many-fermion system. I, 25:23090
- JONES, Ronald Profiling snow gage and its utility in water supply forecasting, 24:5828
- JONES, Ronald A. Profiling radioactive snow gage, 25:51926
- JONES, Rondall E. Reflection coefficient of a plasma profile of exponentially tapered electron density, 23:16811 (SC-R-68-3907)
  - Reflection coefficient of plasma profile, 23:44473
- JONES, Roy E. Plutonium anion exchange from concentrated solutions, 24:7488 (RFP-1408)
- JONES, Russell Howard Superconducting critical current and critical fields of Nb_3Sn—NbC and Nb_3Sn—Nb composites, 23:5336 (UCRL-18437)
- JONES, S. L. OGO-E cosmic radiation: nuclear abundance experiment, 21:32431
  - OGO-E cosmic radiation: nuclear abundance experiment, 21:46181 (N-67-18751)
- JONES, S. S. C-axis microcone formation in nuclear graphites, 25:24667
  - Gas reactions with polycrystalline graphites, 25:32768
  - Gas—graphite oxidation reactions, 25:24615
  - Microstructure of carbon blacks in pitch-bonded graphites and structural changes produced by gas—graphite oxidation reactions, 25:49557
- JONES, S. T. Comment on scale invariance of inelastic electron—proton scattering in a multiperipheral model with scalar couplings, 24:45455
  - Multi-Regge-model analysis of $\pi^- p \rightarrow \pi^+ \pi^- \pi^- p$ at 5 GeV/c, 24:45532
  - Veneziano formulation of pion—nucleon scattering, 24:18190
  - Veneziano formulation of pion—nucleon scattering, 24:49513
- JONES, Stanley B. Mud-cake-thickness measuring device for gamma—gamma density logger, 21:8635
- JONES, Stanley L. Plastic track-type detector for slow neutrons, 25:23787
- JONES, Stanley Tanner Multiperipheral models in high energy scattering, 25:43602
- JONES, T. Calculation of the maximum permissible concentration of ^{15}O in the air, 23:52068
  - Cyclotron for medical use, 23:52075
  - Krypton-81m generator and its uses in cardiopulmonary studies, 24:32091
  - Radiation protection around the medical cyclotron at Hammersmith Hospital, 25:26775
  - Ratio of ^{81}Rb to /sup 81m/Kr incorporated in tissue, 25:35167
  - Relative effects of fast neutrons and x rays on tumors and normal tissue in rat. II, 22:49419
  - Simple method for obtaining dynamic quantitative information from the gamma camera, 24:12190
- JONES, T. B. Absorption of hf radio waves reflected at oblique incidence from the ionosphere in winter, 25:27595
  - Absorption of vlf radiowaves in the ionosphere, 23:27512
  - Effect of stellar x rays on night-time lower ionosphere, 24:5072
  - Investigation of reflection properties of various ionospheric models for radio waves in frequency range 16 to 3000 kHz, 25:1059
  - Ionospheric reflection coefficients of vlf and lf radio waves, 24:35268
  - Oblique ionospheric radiowave propagation at frequencies near the lowest usable high frequency, 24:21700
  - Oblique-incidence radio-wave propagation characteristics, 24:19809
  - Solar flare effects and radio wave observations of lower ionosphere, 22:19853 (RAE-TR-67201)
  - Solar flare effects and vlf radio wave observations of the lower ionosphere, 21:31320
  - Solar x-ray studies, 21:3567
  - VLF phase anomalies due to solar x-ray flare, 25:38275
- JONES, T. C. Neutron crystal spectrometer, 24:19236
- JONES, T. Chin Solvolysis mechanisms behavior of methyl chloromethyl ether sensitivity to isotope effect, 21:45131
- JONES, T. D. Calculated and experimentally determined neutron dose conversion factor for californium, 24:12085
  - Distribution of dose and dose equivalent in an anthropomorphic phantom resulting from broad-beam sources of monoenergetic neutrons, 21:6518
  - Distribution of dose and dose equivalent in an anthropomorphic phantom resulting from broad-beam sources of monoenergetic neutrons, 21:32630 (ANS-SD-4, pp 25-45)
  - Distribution of dose equivalent in an anthropomorphic phantom, 22:28456 (ORNL-P-3048)
  - Dose and LET in a rabbit and a rat, 25:55229
  - Dose distribution functions for neutrons and gamma rays in anthropomorphous and radiobiological phantoms, 21:20180 (ORNL-P-2897)
  - LET cylindrical phantoms irradiated by monoenergetic neutrons, 25:46852
  - Neutron dose, dose equivalent, and LET from ^{252}Cf, 25:32420
  - Response of selected totally depleted and lithium-drifted silicon detectors to monoenergetic gamma and neutron radiation, 25:4356
  - Review of depth-dose calculation and experimentation, 25:6693 (CONF-691106-, pp 73-94)
- JONES, T. G. Elastic scattering of electrons from argon atoms, 23:12793
  - Pressure probes for research in plasma dynamics and detonation, 21:34540
- JONES, T. H. Simple apparatus for the preparation of thin films by coevaporation, 24:34932
- JONES, T. I. Electro-mechanical polishing of refractory carbides, 22:36525 (LA-DC-9602)
- JONES, T. J. L. Excitation coefficients for five transitions in nitrogen V, 24:45043
- JONES, T. K. Jr. Treatment of malignant superior vena caval obstruction, 23:50746
- JONES, T. M. Experiments on the thermal bowing of single rods supported at several axial positions, 22:44925 (TRG-Report-1662)
  - Further experiments on the thermal bowing of single rods supported at several axial positions, 25:32123 (TRG-Report-2089)
- JONES, T. N. Post-irradiation annealing of ASTM A-212-B steel, 22:31423 (ORNL-4246, pp 27-30)
  - Properties of 12-in.-thick ASTM A 533-B Class 1 and Class 2 steels, 23:27054 (ORNL-4369, pp 21-9)
  - Properties of 12-inch-thick ASTM A-533-B, Class I, steel, 22:31345 (ORNL-4246, pp 38-41)
  - Radiation hardening and embrittlement in ASTM A 212-B steel, 23:27128 (ORNL-4369, pp 1-9)
  - Radiation hardening and embrittlement in ASTM A 533-B steel, 23:27130 (ORNL-4369, pp 16-21)
- JONES, T. R. BISYN-PERT: two-dimensional perturbation module for BISYN system, 24:13636 (GEAP-10046)
- JONES, T. S. Development and testing of an experimental electromagnetic pump for liquid steel, 25:23731
  - Experiments on gas bearings for Dragon primary circulators, 24:40972 (DP-Report-313)
  - Phase relations in the system FeO—Fe_2O_3—ZrO_2—SiO_2, 21:22928
- JONES, T. V. Production of 2-eV pulsed argon beam using shock tube source, 22:936 (AGARD-CP-12(Vol.1), pp 377-410)
- JONES, T. W. Proton—neutron quasi-elastic scattering at 991 MeV, 21:27302
- JONES, Thomas E. Differential sensitivity of Hymenolepis-microstoma (Cestoda: cyclophyllidea) cysticercoid stages to x-rays, 25:46960
- JONES, Troyce D. Dose and LET distributions in small-animal sized cylinders for a fission neutron spectrum, 25:8685
- JONES, V. Dean Technique for the metallographic preparation of lead, 25:57239 (MLM-OP-71004)
- JONES, Vallance Temporal variation of infrared O bands in airglow, 23:36595
- JONES, W. B. Energy and particle loss from a short theta pinch, 24:17880
  - Generation and motion of plasmoids in a magnetic field with mirrors, 22:36932
  - Positive pion reactions with ^{12}C, 25:15184
- JONES, W. B. G. Binding of an organic nitroxide free radical to radiation-induced desoxyribonucleic acid (DNA) radicals under anoxic conditions, 25:51994
  - Radioprotective effect of cysteine on lysozyme in dilute aqueous solution, 25:4544
  - Spin-quenching by O of a radiosensitizing nitroxide free radical in aqueous solution, 24:50426
- JONES, W. Barclay Nondispersive x-ray fluorescent spectrometer, 23:6058
  - Sensitivity of a nondispersive x-ray fluorescent spectrometer for multielement trace analysis, 22:38076
  - X-ray—fluorescent analysis of multiple component samples by a nondispersive system, 22:1959 (ORNL-IIC-10(Vol.1), pp 465-82)
- JONES, W. Barrie G. ESR studies of the mechanisms for radical formation in irradiated frozen sulfuric acid solutions of thymine, 25:29134
- JONES, W. D. Anomalous resistivity in a steady-state, current carrying discharge tube plasma, 24:40059 (ORNL-TM-3038)
  - Anomalous resistivity in a steady-state, current-carrying discharge-tube plasma, 25:7394
  - Controlled Landau damping of ion—acoustic waves, 21:37460
  - Detection of light nuclei with cellulose nitrate, 21:8614
  - Dispersion and damping of electrostatic ion waves, 24:26253
  - Dispersion measurements of electrostatic ion waves in a uniform magnetic field, 24:40136
  - Dispersion of ion—acoustic waves, 22:1216
  - Dispersion of ion—acoustic waves, 24:8501
  - Effects of electron-temperature variation on ion acoustic waves, 22:13486
  - Electron temperature variation induced effects and Landau damping of ion acoustic waves, 21:29223 (ORNL-4079)
  - Electron—temperature variation induced effects and Landau damping of ion—acoustic waves, 21:15131 (ORNL-P-2827)
  - Excitation of pseudowaves in a plasma via a grid, 22:48124
  - Experimental strong turbulent heating, 23:32313
  - Ion acoustic wave excitation and ion sheath evolution, 24:49205
  - Ion acoustic wave—sheath interaction, 24:37515
  - Landau damping of electrostatic ion waves in a uniform magnetic field, 23:25403
  - Landau damping of ion acoustic waves in a uniform magnetic field, 24:26260
  - Multiple pseudowaves produced by a single voltage pulse, 23:42235 (ORNL-TM-2656)
  - Multiple pseudowaves produced by a single voltage pulse, 24:28368
  - Multiply charged heavy ions produced in a hot electron plasma, 24:37178 (ORNL-TM-2981)
  - Plasma expansion into a vacuum, 25:27709
  - Production of d—d reactions by beam-plasma interaction in the steady state, 21:31473
  - Reflection of pseudowaves, 25:9531
  - Simulation of pseudowaves and of plasma sheath formation about a grid, 25:43369
  - Simultaneous measurements of ion-acoustic-wave potential and plasma density perturbation to yield γ/sub e/, 23:1475
  - Transient plasma sheath: discovered by ion—acoustic waves, 23:18634
  - Turbulent ion heating in burnout V, 24:47195
  - Understanding turbulent ion heating in the Oak Ridge mirror machine, Burnout V, 25:38348 (CONF-710607-62)
  - Waves and nonlinear phenomena, 24:26271
- JONES, W. F. Studies in qualitative inorganic analysis. XXIX, 22:8000
- JONES, W. G. Eta production near threshold, 21:5357
  - Forward photoproduction of vector mesons from H at energies from 6.5 to 17.8 GeV, 22:44307
  - High-energy photomeson production from hydrogen via the "u channel", 22:44308
  - Measurements of π^0 and eta^0 photoproduction at incident gamma-ray energies of 6.0 to 17.8 GeV, 22:41726
  - Neutral-boson photoproduction on hydrogen at high energies, 24:24208
- JONES, W. H. Jr. Angular dependence of ^{19}F nuclear relaxation times in dilute $SrF_2:Eu^{++}$, 22:24449
  - Nuclear-magnetic-resonance studies of dilute molybdenum—cobalt and tungsten—cobalt alloys, 25:1337
- JONES, W. L. Theory for quasi-periodic oscillations observed in the ionosphere, 25:9299
- JONES, W. M. Solvolysis of aryl-substituted vinyl sulfonates by a heterolytic mechanism, 24:44015
- JONES, W. P. Nuclear structure of the N = 82 isotones, 25:50761
- JONES, W. T. Analysis of nuclear materials by constant-current coulometry. I, 21:17585
  - High-precision analysis of nuclear materials by constant-current coulometry. II, 21:30379
  - Precise, non-destructive determination of F by 14-MeV neutron activation analysis, 22:14439
- JONES, W. V. Cosmic-ray study of properties of nuclear interactions in 10 to 300-GeV energy range, 25:45663
  - Energy measurements using ionization spectrometers, 24:29577
  - Experimental tests of cascade theory at high energies, 23:14939
  - Ionization spectrometer with 10, 20.5, and 28 GeV/c incident protons, 23:43528
  - Nuclear-electromagnetic cascades in glass, Fe, and W absorbers, 24:37699
  - Simulation of the nuclear-electromagnetic cascade development in an ionization spectrometer, 24:13008
  - Spectrometer exposed to 10-, 20.5-, and 28-GeV/c protons, 25:23850 (N-70-42520)
- JONES, Walter L. Nondivergent oscillations in the solar atmosphere, 23:34215
- JONES, Wesley M. Equilibria in hydrogen—tritium mixtures, 22:11226
  - Ionization constants of T_2O and D_2O at 25° from cell emf's, 23:45264
  - Vapor pressures of tritium oxide and deuterium oxide. interpretation of the isotope effects, 22:16489
- JONES, William Benjamin Distorted wave effects in pion interactions with nuclei, 25:28048
- JONES, William Edward Surface modes of vibration and optical properties of an ionic crystal slab, 25:20862 (IS-T-427)
- JONES, William Elvin Relationship between x-ray induced teratogeny and chromosome aberrations in golden hamster embryos, 25:26982
- JONES, William J. Low conductivity cooling water systems, 23:28090
- JONES, William P. Orbit dynamics of Indiana University Cyclotron, 25:50351
- JONES, William Philip Nuclear structure of ^{140}Ce, ^{141}Pr, and ^{142}Nd determined by (d,^{3}He) and (^{3}He,d) reactions, 25:12558
- JONES, William Vernon Lateral and angular structure of electromagnetic cascades, 22:3242
- JONES, Wm. Denver Sound waves in plasmas, 21:35148 (ORNL-4089)
- JONES, Wm. H. Jr. Local moment formation in dilute alloys, 24:10646
  - Local moment formation in dilute alloys, 24:24182
- JONES, Yvonne M. Cesium sorption from acid waste solutions, 21:6165 (BNWL-270)
  - Natural and artificial radionuclides in seafoods and marine protein concentrates, 23:31737
- JONES III, Parker T. Tracing tropospheric radioactive debris by isentropic trajectories, 22:47238 (COO-1199-15)

JONES IV, Lewis Hammond Search for decay of short-lived neutral K meson into two charged pi mesons and one neutral pi meson, 25:59259
Search for the decay K/sub S/^{0} $\rightarrow$ $\pi^{+}\pi^{-}\pi^{0}$, 25:25289 (COO-1195-207)
JONG, R. A. Neutron spectrum measurements in non-multiplying and multiplying media, 21:10201 (AECL-2626)
JONGEJAN, A. Liquidus determinations along binary and pseudo-binary sub-systems within quaternary system CaO—Nb_2O_5,—TiO_2—SiO_2, 25:52459
Liquidus determinations in pseudo-ternary sub-system CaO.Nb_2O_5—CaO.TiO_2—SiO_2, 25:58390
Phase equilibrium studies in the system CaO—Nb_2O_5—TiO_2, 24:36991
Phase relationships in system CaO—Nb_2O_5—SiO_2, 23:48567
Phase relationships in system CaO—Nb_2O_5, 23:51131
System Nb_2O_5—TiO_2 at liquidus temperatures, 23:48568
JONGEJANS, B. $K^{+}n$ charge exchange reaction at 3 GeV/c, 22:50304
Study of reactions $K^{+}p \rightarrow K\pi N$ at 735 and 785 MeV/c, 22:3422
Two-body channels in the interactions of 3, 3.5, and 5 GeV/c positive kaons on H, 21:7468
JONGEN, E. P. B. Reactorphysics experiments during start-up of the Dodewaard reactor, 24:52767
JONGEPIER, R. Protium—deuterium exchange of propane/hydrogen mixtures, 23:13705
JONGERIUS, E. Need of preliminary revivication for counting of enterobacteriaceae in dehydrated foods, 21:28687
JONGSMA, H. W. Decay of $^{62}_{29}Cu_{33}$, 23:42901
Decay of ^{62}Co isomers, 25:3644
Production and decay properties of some shortlived cobalt nuclei, 25:28214 (CERN-70-30(Vol.2), pp 1105-13)
Rapid transfer system for the study of cyclotron-activated shortlived isotopes, 23:30906
JONKE, A. A. Candidate for second-generation fuel-reprocessing plants, 21:25959
Chemical Engineering Division fuel cycle technology quarterly report, July—September 1970, 25:13077 (ANL-7755)
Chemical Engineering Division fuel cycle technology quarterly report, January—March 1971, 25:57507 (ANL-7799)
Commerical aspects of fuel processing, 21:14308
Conversion of uranium dioxide to uranium carbide in an induction plasma torch reactor, 25:24617 (ANL-7671)
Engineering development of fluid-bed fluoride volatility processes. XI, 23:9496 (ANL-7339)
Fluid-bed fluoride volatility processing of spent reactor fuel materials, 24:22744
Fluidization and volatility processes, 21:45192 (ANL-7325, pp 50-98)
Fluidization and volatility processes, 24:174 (ANL-7575, pp 47-76)
Fluoride volatility methods for reprocessing reactor fuels, 23:38076
Fluoride volatility process for fast breeder reactor fuels, 23:38052
Fuel cycle applications of volatility and fluidization techniques, 21:4591 (ANL-7125, pp 61-106)
Fuel cycle technology quarterly report, April, May, June 1970, 25:2306 (ANL-7735)
Prog. rpt. on fuel cycle technology, 10—12/70, 25:23641 (ANL-7767)
Prog. rpt. on reduction of atmospheric pollution by application of combustion, annual, 7/68—6/69, 24:29103 (ANL/ES-CEN-1001)
Prog. rpt. on reduction of atmospheric pollution by application of fluidized-bed combustion, annual, 7/69—6/70, 25:23423 (ANL/ES-CEN-1002)
Safety considerations in the processing of plutonium and radioactive materials, 22:8331
Volatility processes for reactor fuels, 23:19820 (CONF-680610-, pp 65-78)
Work plan for continuation of the project, reduction of atmospheric pollution by the application of fluidized-bed combustion, 25:37158 (ANL/ES-CEN-1003)
JONKE, Albert A. Annular packed-bed filter, 25:10761
Engineering-scale studies of the fluorination of uranium oxide with bromine pentafluoride, 23:6207
Fluidized-bed disposal of fluorine, 21:45228
Method of separating uranium and plutonium, 21:3164
Plutonium tetrafluoride preparation and separation, 23:11608
JONKER, C. C. Angular correlations in inelastic neutron scattering by carbon at 15.0 MeV, 25:20281
Calculation of total muon capture rates for ^{6}Li and ^{7}Li, 21:35421
Plural neutron scattering correction, 24:13261
JONKER, J. E. Nonrelativistic approximations of the Dirac Hamiltonian, 22:41714
Orthogonality and completeness of the rotation matrices, 22:5889
JONKIERE, Nicole Influence of thermionic emission on measurements of electrical properties of refractory materials at high temperatures, 25:14455
JONKMAN, R. M. Neutral particle flux measurements in a plasma wind tunnel, 24:3335
JONO, Wasaburo Apparatus for separation and purification of a mixed gas, 21:10441
JONSCHER, A. K. Space-charge waves in solids, 25:27805
JONSON, B. Alpha decay of ^{179}Hg and ^{178}Hg, 25:17894
Compound-nucleus aspects of beta decays with high Q values, 25:28443 (CERN-70-30(Vol.1), pp 421-33)
Low-lying states in odd-mass polonium isotopes, 25:28333 (CERN-70-30(Vol.2), pp 1023-9)
Transition rates in ^{192}Au, 25:20453
JONSSON, A. Alternative approach to core calculations for boiling water reactors, 25:57168 (CONF-710302-(Vol.2), pp 920-38)
Epithermal and thermal spectrum indices in heavy water lattices, 22:14270
Single-rod lattices of UO_2, PuO_2, or ThO_2 in D_2O, 22:22837
JONSSON, Alf Epithermal and thermal spectrum indices in heavy water lattices, 21:32002 (AE-277)
JONSSON, B. Internal fields for Cd in Gd metal, 24:26329
JONSSON, E. Physics experiments at the Agesta power station, 21:1154 (AE-244)
Physics experiments at the Agesta power station, 21:27760
JONSSON, G. Development of self-powered high-flux neutron detectors and their applications in power reactors in Sweden, 25:39160 (IAEA-119, 16p.)
JONSSON, G. G. High energy (γ, nx) reactions in ^{197}Au, 25:25716 (LUNP-7103)
High energy photon induced spallation reactions in ^{127}I, 24:30756 (LUNP-7004)
Photon spallation reactions in ^{127}I, 24:49874
Pion effects in ^{127}I(γ,xn) reactions of high multiplicity, 24:8888 (NP-18064)
Pion effects in ^{127}I(γ,xn) reactions, 24:40634
Reactions (γ, xn) in ^{127}I, 22:7718
Redetermination of some ^{127}I(γ,xn) yields, 22:22616
JONSSON, Georg Salomon Neutron detector, 23:649
JONSSON, Goeran G. Production of nuclides far off the stability line by photonuclear reactions, 22:30114
JONSSON, Jonas Immunological reactions after irradiation of the uterus, 24:9790
Organ antibodies after local irradiation, 22:25750
JONSSON, L. Gamma decay of proton resonances in ^{54}Mn and ^{55}Mn, 21:9958
Gamma rays from slow neutron capture in nitrogen, 24:47567
Gamma rays from thermal neutron capture in natural neon, 22:29950
Neutron- and proton-capture gammas measured with lithium-drifted germanium spectrometers, 22:14836
Thermal neutron capture gammas measured with Ge(Li)-spectrometers and internal reactor targets, 21:43253
JONSSON, Ulla Isolation of tryptophan-requiring mutant of Ophiostoma, 23:50929
JONTULOVICH, Nan DAPR: digital pattern recognition approaches production, 23:33506 (ANL-7515, pp 275-98)
JOON, K. Chemical analysis of high burn-up PuO_2 fuel, 25:18356 (KR-140)
Feed additives: an attempt to improve decontamination of U, 21:24066 (KR-115)
Highly TBP-extractable dimeric- and TBP-compounds in the nitrato and nitro-series of aquo-RuNO, 25:39565 (KR-143)
Interference of some radioactive impurities with the liquid scintillation determination of ^{239}Pu in aqueous solutions, 22:40018
JOON, Klaas Thermodynamics of TBP-extraction of RuNO-nitrato complexes from nitrate solutions, 25:21130
JOOS, H. Electromagnetic interactions, 22:15713 (DESY-67/43)
Electromagnetic interactions, 22:32100
Matrix elements of unitary representations of homogeneous Lorentz group, 23:3763 (DESY-68/40)
Photoproduction of vector mesons, 21:11750
Primitive characters of Poincare group, 22:35035
Relativistic scalar quark model with strong binding, 25:28022 (DESY-71/10)
Vector mesons and the electromagnetic interactions of hadrons, 21:31553 (DESY-67/13)
Vector mesons and the electromagnetic interactions of hadrons, 21:42338
Vector-meson dominance model of the radiative decays of baryons, 22:50325
JOOS, P. High energy photoproduction of neutral rho mesons on complex nuclei, 21:44244
Leptonic decays of vector mesons: the branching ratio of the electron—positron decay mode of the rho meson, 21:44245
Photoproduction of wide-angle electron—positron pairs at high energies, 21:44251
Quantum electrodynamics at high energies: wide angle lepton pair production, 22:46514
Validity of quantum electrodynamics at small distances, 21:9692
Virtual Compton scattering at high energies, 22:5495
JOOS, Peter Compilation of photoproduction data above 1.2 GeV, 25:12066 (DESY-HERA-70-1)
Measurement of photoproduction of very asymmetric μ-pairs, 22:44299 (DESY-68/34)
JOOSSE, J. Gametogenesis and oviposition in Lymnaea stagnalis as influenced by γ-irradiation and hunger, 25:4693
JOOYANDEH, F. Chemical effects of γ-irradiation of aqueous solutions of heparin and keratan sulphate, 25:31978
JOPKO, A. M. Nuclear interaction matrix elements in a phase-shift approximation, 24:1916
Nuclear matter binding energy, 24:30946
JOPLIN, G. F. Delayed strontium absorption in postmenopausal osteoporosis and osteomalacia, 22:45392
Pituitary ablation for diabetic retinopathy, 21:22545
Serum growth hormone levels and response of diabetic retinopathy to pituitary ablation, 24:11950
Simplified method for simultaneous electrolyte studies in man utilizing ^{42}K, 24:786
Simultaneous electrolyte investigations in man using ^{77}Br, ^{42}K, and ^{24}Na, 24:33997
Subtotal or total pituitary ablation by implantation of radioactive rods, 21:22544
Triton X-100 scintillant for counting ^{45}Ca in biological fluids, 24:486
JOPLIN, G. J. Pituitary ablation by ^{90}Y implants for diabetic retinopathy, 21:22605
JOPLING, David G. Public resistance to nuclear reactor siting, 25:5940
JOPPIEN, G. Decay of electron centers in ^{60}Co γ-irradiated polycrystalline NaCl on adsorption of gases, 23:42434
Determination of defects in polycrystalline NaCl during ^{60}Co irradiation, 22:50227
JOPSON, R. C. Cross sections ((p,n) and (p,2n)) of nine elements between 7.0 and 15.0 MeV, 21:9979
JORASZ, Elzbieta Chemical protection against ionizing radiation. V, 22:21545
JORDAAN, C. L. Production of high-purity U at South African gold mine, 22:18894
JORDAAN, Constance M. Environmental radioactivity at National Nuclear Research Center, Pelindaba, 22:10763 (PEL-160)
JORDAAN, H. A. Superconducting coil magnet (100 kilo-oersted), 24:23901
Superconducting coil magnet (100-kOe), 24:35354
JORDAN, A. Determination of ^{54}Mn in foods, 23:17354
JORDAN, Almetia L. Determination of arsenic in organic and inorganic arsenic compounds, 23:45212
JORDAN, B. Two-pion decay of the long-lived K^{0} at 10.7 GeV/c, 22:7431
JORDAN, B. R. Simple radioactivity recording system for column chromatography of ^{32}P-labeled products, 24:33644
JORDAN, Brian Jerrold Improvements in or relating to instruments for radiation measurement, 24:5942
JORDAN, C. Helium-like ion forbidden line emission from the sun, 24:37110
Long-wavelength satellites to the He-like ion resonances in the laboratory and in the Sun, 23:18351
Solar iron lines at 182 A, 22:29028
Validity of quantum electrodynamics at small distances, 21:9692
JORDAN, C. F. Measurement of transpiration in tropical trees with tritiated water, 25:15997
Metabolism and evapotranspiration of some rain forest plants and soil, 25:21953 (TID-24270, pp I.103-64)
Movement of ^{85}Sr and ^{134}Cs by soil water of a tropical rain forest, 25:21551 (TID-24270, pp H.201-4)
Radioecological studies of tritium movement in a tropical rain forest, 24:41491 (CONF-700101-(Vol.1), pp 422-38)
Transpiration measurement in pines using tritiated water as a tracer, 25:41688 (CONF-710501-21)
Tritium movement in soil of a tropical rain forest, 25:21637 (TID-24270, pp H.129-31)
JORDAN, C. L. Experimental tests of the vector-dominance model, 22:11572
High energy photoproduction of neutral rho mesons on complex nuclei, 21:44244
Leptonic decays of vector mesons, 23:3653
Leptonic decays of vector mesons, 23:7086 (DESY-68/56)
Leptonic decays of vector mesons: the branching ratio of the electron—positron decay mode of the rho meson, 21:44245
Photoproduction of wide-angle electron—positron pairs at high energies, 21:44251
Virtual Compton scattering at high energies, 22:5495
JORDAN, Carl F. Mathematical model of tritiated and stable water movement in an old-field ecosystem, 25:41690 (CONF-710501-25)
Predicting tritium movement through a tropical rain forest, 23:28997 (TID-24933)
Prog. rpt. on Rain Forest Project, annual, 1967, 22:47496 (PRNC-103)
Prog. rpt. on Rain Forest Project, annual, 6/69, 23:50400 (PRNC-129)
Prog. rpt. on rain forest, annual, 6/1/68, 22:49282 (PRNC-119)
Recovery of a tropical rain forest after gamma irradiation, 23:17968 (CONF-670503-, pp 88-98)
Section I, 23:50401 (PRNC-129, pp 1-86)
Tritium movement in an old-field ecosystem determined experimentally, 25:41687 (CONF-710501-20)
Vegetative sprouting following irradiation of a tropical rain forest, 25:21944 (TID-24270, pp D.305-8)
JORDAN, Carole Helium-like ion forbidden line emission and solar active regions, 25:49656
Identification of the lambda 417 line in the solar extreme-ultraviolet spectrum, 25:55767
Interpretation of solar helium-like ion line intensities, 24:6326
Ionization equilibrium of elements between carbon and nickel, 23:22769
Relative abundance of silicon and iron in the solar corona, 22:34229
Relative intensities of CI lines in the solar EUV spectrum, 22:15301
Relative intensities of selected Si II multiplets in the spectrum of the Sun and ZETA, 23:22839
Structure of chromosphere—corona transition region from limb and disk intensities, 25:49652
JORDAN, Charles Lee Electron-positron decay model of vector mesons, 23:51831 (NEVIS-173)
JORDAN, D. C. Fabrication of thin radioactive sources using biological staining techniques, 25:32142
Relationship between repair in DNA and gamma radiation resistance in Salmonella, 24:27722
JORDAN, D. L. Comparison of damage to small intestine by fission neutrons or γ rays from ^{60}Co, 22:49551
JORDAN, D. O. Wetting of solid metals by liquid alkali metals, 21:43598
JORDAN, Donald Computer environment report, 22:50881 (ANL-7408)
JORDAN, Donn L. Wall shielding studies on JANUS High Flux Room, 23:45439 (ANL-7535, pp 131-3)
JORDAN, E. D. Investigation of the effect of vibrations on heat transfer in a pressurized water systems, 21:36243
Neutron emission growth in plutonium—beryllium sources, 22:1580
Neutron yields from mixtures of beryllium powder and polonium-impregnated microspheres, 21:36586
JORDAN, Edward D. Determining the thickness of a furnace lining by means of neutron activation, 21:26874

Hidden explosives detector utilizing long-lived radioactive tracer material, 21:24229
Monolayer ceramic microsphere—beryllium plate heterogeneous isotopic neutron source, 25:50592 (CONF-710402-(Vol.2), pp 117-27)
JORDAN, Eugenia Survival in irradiated patients with Hodgkin's disease, 23:45855
JORDAN, Harry F. Three-particle effects in the pair distribution function for ^{4}He gas, 22:39227
JORDAN, J. A. Jr. Beam spectroscopy at Tandem energies, 23:16641
Excitation of n = 4 and n = 5 states in He(II), 21:33121 (ORO-1316-24)
Helium-4 charge state fractions in thin carbon foils, 23:39296
Optical design for beam—foil experiments, 25:15974
Radiative lifetimes of some n = 4 and n = 5 states in He II, 21:20773
JORDAN, J. E. Almost "head-on" collisions in the scattering of fast Ar atoms by H isotopes, 21:31222
Scattering of high-velocity neutral particles. XIV, 21:9338
Scattering of high-velocity neutral particles. XVI, 23:41960
Trends and advances in molecular beam research, 24:19725
JORDAN, J. N. Analysis of surface-foci travel times, 22:195
Seismic analysis of nuclear explosion, GASBUGGY, 23:21842 (PNE-G-32)
JORDAN, J. R. Bibliography of double layer studies at polarized liquid metal/ solution interface, 24:5647 (IS-2131)
Bibliography of mass spectroscopy literature for the first half of 1967 compiled by a computer method, 22:30429 (IS-1829)
Bibliography of mass spectroscopy literature for the last half of 1967 compiled by a computer method, 24:31224 (IS-2058)
Bibliography of mass spectroscopy literature for first half of 1968, compiled by computer method, 24:41177 (IS-2059)
Bibliography of mass spectroscopy literature for the last half of 1968 compiled by a computer method, 25:7 (IS-2327)
Bibliography of mass spectroscopy literature for 1969 compiled by a computer method, 25:39409 (IS-2356)
JORDAN, John E. Development of a molecular beam detection system and velocity selector, 23:47871 (AD-689829)
JORDAN, John R. Automatic file integrity in computer systems, 24:18824 (IS-2242)
KWOC Index: COBOL programs to index bibliographic information, 24:38660 (IS-2134)
JORDAN, Joseph Enthalpimetric analysis, 22:16359 (NYO-2133-48)
JORDAN, K. C. Calorimetric determination of the half-lives of ^{228}Th and ^{224}Ra, 25:46086
Determination of half-life value of ^{204}Tl, 23:52147
Half-life of tritium, 21:42555
Half-lives of ^{227}Ac and ^{227}Th, 23:15459
High wattage calorimetry, 23:17850
Isothermal twin-bath Calorimeter 87, 22:10132 (MLM-1403)
Technique for direct measurement of thermal power in assay calorimeters, 25:26548 (MLM-1780)
Water bath calorimeter no. 94, 21:36426 (MLM-1341)
JORDAN, K. R. Long range order and grain boundary strengthening of Fe—49 percent Co—2 percent V, 23:33981
Operating experience with Saxton Reactor partial Pu core II, 23:10303
Plastic deformation and fracture in FeCo—2 pct V, 23:48438
Saxton overpower test, 24:7021
JORDAN, Kenneth C. Half-lives of ^{227}Ac and ^{227}Th measured calorimetrically, 21:1071 (CONF-661012-4)
JORDAN, Kenneth R. Modified carbide fuels, 22:23840
JORDAN, L. K. Characteristic energy loss spectra of copper crystals with surfaces described by LEED, 22:31605
JORDAN, L. L. Electromagnetic separation and chemical refinement of lead isotopes, 21:30632 (ORNL-4107)
JORDAN, Leon Liver scintigrams compared with alkaline phosphatase and BSP determinations in the detection of metastatic carcinoma, 25:37839
JORDAN, M. R. Internal friction measurements in gold after low temperature electron irradiation, 23:6711
JORDAN, N. M. Visual response of purple shore crab to ionizing and non-ionizing radiations, 25:49272
JORDAN, P. Automatic compensation for fluorescence extinction in liquid scintillators, 22:14794
Celestial mechanics and Dirac's hypothesis, 21:27279
Chemical reactions of highly energetic tritium recoil atoms with liquid cyclohexene. I, 25:21075
Comment on does the 3°K radiation infer a constant or variable gravitational constant, 22:36625
Important potential source of error in the routine determination of radioisotopes of low energy by liquid scintillation counting, 23:19978
Isotopic exchange reactions and radiochemical analyses, 21:21955
Kerr's galactic expansion and Weber's gravitation signals, 24:17592
Physical application of nonassociative algebras, 24:6697
Possibility of avoiding Ramsey's hypothesis in formulating a theory of earth expansion, 24:30118
Relation between theory of elementary length and quantum theory, 22:52900
Relation of the theory of elementary length to quantum theory. II, 23:21027
JORDAN, Pascual Contribution to the theory of semigroups of idempotents, 21:7415
Dirac's hypothesis of a variable gravitational "constant" and experimental facts, 21:27276
JORDAN, Paul H. Jr. Radio-immunoassay of gastrin using antiserum to porcine gastrin, 24:48362
JORDAN, Paul W. Adjustable mounting for plastic phosphor scintillation detectors, 22:10570
Airborne radiometric snow survey system, 25:23880 (RLO-2061-1)
Whole body scintillation detector for animal use comprising a plurality of plastic phosphor rectangular logs, 22:28130
JORDAN, Pierre Improvements in liquid scintillation devices, 23:29151
Method and apparatus for compensating of quenching in liquid scintillation counting, 25:32229
JORDAN, R. G. Comparison of elastic properties of Dy and Tb—50 percent Ho, 25:45580
Low-temperature magnetic properties of dysprosium single crystals, 22:29565
Magnetic properties of dysprosium, 22:24389 (CONF-670502-, pp 166-74)
Magnetic properties of Tb—Ho single-crystal alloys. II. Neutron-diffraction studies, 24:49261
Magnetic properties of Tb—Ho single crystal alloys. III, 25:22646
JORDAN, S. Air pollution of fossil and nuclear power plants, 24:45908 (CONF-700810-20)
Isotopic mobility and its temperature dependence in molten KCl, RbCl, and RbBr, 21:14301
Temperature and concentration dependence of inner mobility of ^{6}Li and ^{7}Li, 23:4626
JORDAN, S. D. Radiative equilibrium in stellar chromospheres, 23:39135
JORDAN, S. W. Ultrastructural studies of spleen after whole-body irradiation of mice, 21:39506
JORDAN, Scott W. Testicular changes in atomic bomb survivors, 21:4859
JORDAN, Siegfried Fractionation of oxygen isotopes between NO and H_2O, 25:51601
JORDAN, Stuart Effect of the density scale height on shock-wave heating in the low solar chromosphere, 24:46943
JORDAN, Stuart Davis Temperature structure and energy balance in the solar chromosphere, 23:6837
JORDAN, T. F. Conservation of momentum and angular momentum in relativistic classical particle mechanics, 22:22336
Coulomb group theory for any spin, 24:18251
JORDAN, T. L. Experiments on error growth associated with some linear least-squares procedures, 21:40726 (LA-3717)
JORDAN, T. M. Advanced Monte Carlo concepts, 24:6588
Comparison of Monte Carlo beta dose calculations for polystyrene with experiment, 24:6038
Neutron streaming in helical ducts, 24:6605
Prog. rpt. on radiation shields for nuclear rocket systems, final, 6/67. I, 22:39851 (N-68-13501)
Prog. rpt. on radiation shields for nuclear rocket systems, final, 6/67. IX, 22:39859 (N-68-13509)
Prog. rpt. on radiation shields for nuclear rocket systems, final, 1968. V, 22:39855 (N-68-13505)
SOBER, a Monte Carlo program for neutron and γ ray transport in complex geometries, 22:9408 (DAC-60659)
JORDAN, Thomas F. Characterizing coherent states of the radiation field, 21:7390
Hamiltonians in relativistic classical particle mechanics, 22:20168
JORDAN, Thomas L. Effective use of the computer storage hierarchy, 23:38347 (CONF-690401-, pp 435-50)
JORDAN, Thomas M. Advanced Monte Carlo concepts, 25:33363 (ANS-SD-11, Paper 9)
Advanced Monte Carlo concepts in radiation shielding calculations, 25:3177
JORDAN, W. B. Calculation of fuel plate flux and central temperature, 22:30345 (KAPL-M-6914)
FINEL, program to solve elastic structures by use of finite elements, 21:16083 (KAPL-M-6582)
Fits to thermodynamic properties of water, 22:32768 (KAPL-M-6734)
Fits to thermodynamic properties of water, 23:11377 (KAPL-M-6734(A))
Improved calculation of elasto—plastic systems by the finite element method, 24:26866 (KAPL-M-7108)
Plane isoparametric structural element, 24:26867 (KAPL-M-7112)
JORDAN, W. H. Nuclear safety. IX, No. 4, 22:32901
Nuclear safety. Vol. 10, No. 1, 23:9186
Nuclear safety. Vol. 10, No. 4, 23:33071
Nuclear safety. Vol. 11, No. 1, 24:13579
Nuclear safety. Vol. 9, No. 1, 22:12054
Nuclear safety. Vol. 9, No. 2, 22:20854
Nuclear safety. Vol. 9, No. 5, 9-10/68, 22:44849
Nuclear Safety. Vol. IX, No. VI, 23:52393
Nuclear safety. Volume 11, Number 4, 24:31087
Nuclear safety. Volume 11, Number 5, 24:50050
Nuclear Safety. VIII, 21:15726
Nuclear Safety. VIII, 21:40618
Nuclear safety. VIII, 21:46901
Nuclear Safety, VIII, 21:14101
Nuclear Safety, VIII, 21:25683
Nuclear safety, Vol. 10, No. 2, 23:15661
Nuclear safety, Vol. 10, No. 3, 5—6/69, 23:26061
Nuclear Safety, Vol. 10, No. 5, 23:43139
Nuclear Safety, Vol. 11, No. 2, 1970, 24:16224
Nuclear Safety, Vol. 7, No. 3, 21:2837
Nuclear Safety, Vol. 8, No. 3, 1970, 24:22440
Nuclear safety, Vol. 9, No. 3, May-June 1968, 22:22744
Nuclear safety, Vol. 9, No. 6, Nov.-Dec. 1968, 22:53393
Nuclear Safety, Volume 11, No. 6, 25:8042
JORDAN, W. K. Use of radioisotopes in evaluating cleaning of surfaces in contact with dairy products, 21:22106
JORDAN, Walter Benefits vs. risks in nuclear power, 24:11150
JORDAN, Walter H. Nuclear energy: benefits versus risks, 24:33217
Nuclear power: social needs and benefits, 25:60002
JORDAN, Willard C. Observations of galactic x-ray sources, 22:13165
X-ray spectra of several cosmic sources, 21:20695
JORDAN, William A. Radiation protection in dental teaching and practice, 23:35804
JORDANA, R. Effect of ionizing radiation on rat liver, 25:55128
Effects of ionizing radiations on O uptake by rat liver slices, mitochondria, and mitochondrial membranes, 25:35223
Effects of x irradiation on intestine, 23:41247
Oxygen uptake by irradiated intestine in absence of Na, 24:41910
JORDANOV, A. Method of analysis of thin surface layers by Moessbauer effect, 23:23243
JORDANOV, B. FG matrix treatment of normal vibrations in ethylene-like and nitromethane-like molecules, 25:34581
Substituted ethan phosphonic acid esters as reagents for the separation of molybdenum from rhenium by solvent extraction, 23:387
JORDANOV, Chr. V. Absorption of Te from acid solutions with Wofatit-SBW, 22:16661
JORDANOV, D. Stationary vertical distribution of the weightless radioactive mixture in the air layer near the earth, 21:19771
JORDANOV, Dimitar Vertical distribution of heavy radioactive admixtures in the atmosphere, 23:17577
JORDANOV, N. Extraction of thorium with neutral organophosphoric compounds in the presence of aromatic carboxylic acids, 25:31770
Substituted ethan phosphonic acid esters as reagents for the separation of molybdenum from rhenium by solvent extraction, 23:387
JORDE, J. Development of large steel vessels in laminated construction, 22:30354
Large pressure vessels of multilayer steel construction, 24:25174
JORDON, Donn L. Response of beagle dogs to protracted exposure to γ rays. I, 23:45734 (ANL-7535, pp 153-6)
JORDON, M. R. Internal friction studies of electron irradiated gold, 21:32946
JORDON, Thomas M. Helical duct geometry routine for the shielding computer program FASTER, 23:48955 (N-69-31986)
JORDY, George Y. Radioisotope requirements and availabilities for power applications, 24:22885
JORGE, H. Machado Calculation of the neutron flux in subcritical arrays, 24:33410 (LFEN-NI.-44-a)
DIFNE: program for neutron flux in subcritical arrays, 24:22449 (LFEN-NI.-43-a)
Neutron diffusion in subcritical assemblies, 24:24904 (LFEN-NI.-42-a)
Westcott formalism, 25:15405 (LFEN-NI.-45-a)
JORGENSEN, Clive D. Ecological effects of nuclear testing on native animals at the Nevada test site, 22:19306
Reaction of native animals living in vicinity of underground nuclear detonation, 22:33776 (COO-1336-6)
Summary of the ecological effects of nuclear testing on native animals at the Nevada test site, 21:36537
JORGENSEN, G. Radiation-induced reorientation of chromosome replication sequence, 22:6786
JORGENSEN, K. R. Radioimmunoassay of insulin in plasma and urine, 24:27494
JORGENSEN, M. Investigation of ^{145}Eu emissions, 22:18219
Investigation of ^{152}Tb radiation, 22:18223
JORGENSEN, M. Balslev Irradiation and otosclerosis, 21:22567
JORGENSEN, P. J. Final stage sintering of ThO_2, 24:14890
Grain-boundary segregation and final-stage sintering of Y_2O_3, 22:11077
Permeation, diffusion, and solubility of deuterium in pyrex glass, 23:11516
JORGENSEN, Paul J. Diffusion controlled sintering in oxides, 22:31446
JORGENSEN, Richard E. Prog. rpt. on radiation-induced hematologic effects on primates, final, 11/67—3/69, 25:24147 (AD-711038)
JORGENSEN, T. Jr. Cross sections for production of electrons in Ne^+—Ne and Ar^+—Ar collisions, 24:51446
Electron energy spectrum from Ar^+—Ar and H^+—Ar collisions, 21:2035
JORGENSEN, T. Stockflet Interpretation of auroral hiss measured on OGO 2 and Byrd station in terms of incoherent Cherenkov radiation, 22:15421
JORGENSON, Margaret J. Deuterium solvent isotope effect on a photochemical reaction, 23:9364
JORIS, S. J. Solvent isotope effects on decomposition of N,N-dialkyldithiocarbamic acids, 25:54560
JORISSEN, H. Dieter HEOS-A satellite project, 23:42100
JORKE, D. Behavior of various lymphocyte forms and lymphoid cells under the influence of ionizing radiation, 22:36363
Radiation induced changes in lymphoid cells, 24:34725
JORNA, S. Dispersion relations in Glauber formalism with application to πd scattering, 24:33024
Phase contours and zeros of forward π^{+-}—p scattering amplitudes, 24:1594
Statistical theory of nuclei, 22:42118
JORNE, Jacob Ion fractionation by foam, 24:9446
JORTAY, A. Morbidity of radical neck dissection after irradiation, 24:25543
JORTAY, A. M. Continuous measurements of radioiodide accumulation in thyroid slices, 24:48387
JORTNER, Donald Radioisotope attitude control engine, 21:8551
JORTNER, J. Structure and spectra of excess electron states in liquids, 23:35144
JORTNER, Joshua Electronic relaxation processes in molecular crystals, 24:27042

Experimental study of higher $\pi \rightarrow \pi^*$ transitions of benzene in low-temperature matrices, 24:25042
Properties of an excess electron in liquid helium: the effect of pressure on the properties of the negative ion, 21:33330
JORY, H. R. Charged-particle motion in large-amplitude electromagnetic fields, 22:37060
JORY, R. L. Momentum transfer cross section for electrons in helium, 21:39809
JORZIK, E. Instrumentation for rapid mechanical transients in model scale experiments, 23:26605 (EUR-4101, pp 153-92)
JORZIK, Ernst R. Device for monitoring the structural continuity of thermally insulating layers in nuclear reactors, 21:5716
System for functional supervision of heat-insulating layers in nuclear reactor channels, 23:15753
JOS, J. S. Radiation-induced mutations in Colocasia esculenta, 25:39819
JOSA, J. M. Application of static leaching to marginal uranium ores, 25:23670
Extraction of uranium for potential resources, 25:23681
Hydrometallurgy of U in Spain, 22:33551
Recovery of uranium from marginal ores, 25:51570 (A/CONF.49/P-730)
Spanish radioactive lignites: uranium nature and solubilization, 21:32282 (AEC-tr-6851)
Spanish radioactive lignites; nature and solubility of U, 22:18896
Status report from Spain, 22:18987
Use of Pachuca tanks in hydrometallurgy, 22:10936
JOSE, C. J. Apparatus for determination of dissolved gases in nuclear reactor coolants (water), 23:24481 (BARC-361)
JOSEFSSON, L. Nuclear district heating: a study for the town of Lund, 25:28574
JOSEFSSON, R. Application of modern control theory to digital control of HBWR, 23:40405
Digital control of the HBWR, 24:11152
Methods and instrumentation for analysis and control of Marviken nuclear power plant, 25:39155 (IAEA-119, 12p.)
JOSELYN, Jo Ann Physical properties of 5303 A coronal emission regions, 23:27305
JOSEPH, A. Classification of local current algebras, 25:9754
Global and infinitesimal nonlinear chiral transformations, 24:20203
Influence of the mass on the bound states of molecular systems, 21:43804
Spheroidal wave functions for the hydrogen atom, 21:23006
Theory of conditional invariance. I, 22:41704
Thermoluminescence authenticity testing of some six dynasties figures, 24:36395
JOSEPH, A. F. SPECTRAN: computer system to analyze high resolution spectrum. I, 25:10353 (ORNL-4605)
JOSEPH, A. S. de Haas—van Alphen effect and Fermi surface in Th, 21:46411
Intrinsic size effects in type-II superconducting films, 21:33338
Magnetization of the superconducting sheath, 22:7216
JOSEPH, Anthony Improved upper bound on the imaginary part of elastic scattering amplitudes, 25:3460
JOSEPH, C. Coincidence spectra of ^{92}Mo(d,np)^{93}Mo reaction, 22:1681
D(p,d*)p cross section, 25:3553
Discrimination circuit (γ—n), 21:45363 (LYCEN-6738, pp 176-9)
Giant-resonance excitation by radiative capture of π^- in ^{16}O, 25:5600
Interference and rescattering effects in reactions with three particles in the final state, 25:14891 (ORO-1316-97)
Proton—proton bremsstrahlung at E/sub p/ = 10 MeV, 23:30928
Radiative capture of negative pions on protons from 220 MeV/c to 380 MeV/c, 24:28492
Reaction p + d $\rightarrow$ p + p + n at 6.5 less than or equal to E/sub p/ less than or equal to 13 MeV, 24:6825
Reactions ^{12}C(n,n), (n,n'), and (n,n')3 α, 24:22079
Rescattering effects in reactions with three particles in the final state, 22:46722
Scattering of 14.1 MeV neutrons by ^{10}B, 24:28709
Scattering of 14.1-MeV neutrons from ^{12}C, 21:46681
Scattering of 14-MeV neutrons by ^{12}C, 21:42561
Two-particle coincidence spectra from p + ^{6}Li $\rightarrow$ p + d + α reaction, 22:7652
JOSEPH, C. J. Eurochemic fuel-processing plant, 22:33506
Operating experience and planned improvements in Eurochemic Reprocessing Plant, 25:51548 (A/CONF.49/P-28)
Reprocessing campaigns for highly enriched U during 1967 and 1968 at Eurochemic, 25:217 (NP-18397)
JOSEPH, D. W. Current commutation relations in R(11), 23:3776
Possibility of R(11), 22:13805
Weak-interaction predictions of R(11), 21:951
JOSEPH, David W. Representations of noncompact semisimple Lie groups, 24:26473
JOSEPH, G. High-energy neutrons from the sun, 21:6914
Pulse shape discrimination in CsI(Tl) crystal, 25:48947
Radioactive pulse light source for in-flight calibration of scintillator photomultiplier assembly, 23:639
Search for energetic neutrons emitted during solar flares, 24:10320
Search for energetic neutrons emitted during solar flares, 25:35772
JOSEPH, George Atmospheric neutrons and the Van Allen radiation belt, 25:35998
Improved estimate of solar neutron flux measured in an earlier experiment, 25:30177
Low energy gamma-ray spectrum in space, 24:51468
Low-energy gamma-ray spectrum in space, 25:35922
JOSEPH, J. Problems of radioactivity in sea, 24:31663
Reconstruction of amplitudes for pion—nucleon scattering from experimental data, 25:43640 (LYCEN-7110)
Reconstruction of amplitudes for pion—nucleon scattering from experimental data, 25:59498
Study of the finite range interaction in the two-nucleon transfer reactions, 25:18030
SU3 fractional parentage in the 1-p shell, 25:23062 (LYCEN-7078)
Theoretical angular distributions and polarizations in the three-body problem, 25:1641 (LYCEN-7046)
Two-nucleon transfer reactions, 24:22207
JOSEPH, J. D. Gamma spectrometry for measurement of low level radioactivity with special reference to ^{131}I in water, 22:12238
JOSEPH, J. Walter Jr. Activity confinement and decontamination after failure of an antimony—beryllium source rod, 25:51224
JOSEPH, Jacques Application of the differential equation method to the study of a nonrelativistic feynman amplitude, 25:10065
Magnetic field with symmetry of revolution that decreases with inverse distance to axis, 21:279
Overlapping of α substructures in reaction ^{12}C(t,α)^{11}B, 23:40127
Reaction (d,α) on ^{14}N and ground-state and first-excited levels of ^{12}C, 23:39958
Use of differential equation method to study nonrelativistic Feynman amplitudes, 25:1649
JOSEPH, Joachim H. Effect of interplanetary shock waves on the brightness of comets, 25:916
Proposed mechanism for comet flares, 25:7083
JOSEPH, Joy N-acetylsalicyloyl-N-phenylhydroxylamine as an analytical reagent, 24:13745
JOSEPH, K. Interface and on-line operation of scintiscanner with a digital computer. I, 24:9664
Quantitative evaluation of thyroid scintigrams by computer, 25:55282
JOSEPH, P. A. Force constants and generalized mean square amplitudes of ethylene oxides, ethylene oxide-d, and ethylene sulphide, 24:46215
JOSEPH, P. M. Branching ratio for decay of phi mesons into lepton pairs, 25:59310
Decay into muon pairs of photoproduced phi mesons, 24:40235
Photoproduction of K$^+$ mesons at 3.4 and 5.0 GeV, 22:9502
Photoproduction of muon pairs at 7 to 9 GeV, 23:30695
Photoproduction of muon pairs, 24:51898
Photoproduction of neutral rho mesons, 22:20114
Photoproduction of π^+ mesons at 3.4 and 5.0 GeV, 22:3239
Range energy tables for high energy muons, 24:5273
Search for new vector bosons and a test of quantum electrodynamics, 24:32959
JOSEPH, P. T. A new method of opening up monazite, 23:388
Gravimetric estimation of zirconium using 3-nitrophthalic acid, 22:33264
JOSEPH, R. D. Detection of celestial sources at far-infrared wavelengths, 25:6935
JOSEPH, R. R. Low-temperature specific heat of some cerium and lanthanum Laves-phase compounds, 23:8539 (CONF-681020-(Vol.1), pp 7-16)
JOSEPH, Robert David Search for discrete celestial sources of far-infrared radiation, 25:55692
JOSEPH, Robert Roderick Low temperature specific heat of some cerium and lanthanum laves phase compounds, 22:48151 (IS-T-228)
Low-temperature specific heat of Ce and La Laves-phase compounds, 23:5489
JOSEPHSON, B. Vitamin B_{12} determination by radioisotope dilution and ultrafiltration, 24:27492
JOSEPHSON, B. D. Critical phenomena in superfluids, 23:42188
Superconducting barriers: the plasma resonance and related properties, 21:18580
Weakly coupled superconductors, 23:27557
JOSEPHSON, E. S. Clearances of foods preserved by ionizing energy, 21:26734
JOSEPHSON, Edward S. Army food irradiation program, 21:30937 (CONF-670202, pp 9-13)
Chemical and food applications of radiation, 23:26464
Engineering and economics of food irradiation, 23:17657
Status of US Army program in food irradiation, 23:26978
JOSEPHSON, Jules Inherent stability of nuclear reactors with application to fast reactors, 24:18772
JOSEPHSON, Nora Sigrun Calculation of πNN and πNN* coupling shifts, using the Dashen-Frautschi method, 22:9614
JOSEPHSON, V. Electrode metal effects in a deuterium plasma Z-pinch device, 24:45287
Low inductance gaseous switch tube, 21:1669 (AD-633280)
Tri-dimensional plasma compression assemblies, 21:722 (AD-635779)
JOSEPHSON, Vernal Electrode metal effects in deuterium plasma Z-pinch device, 24:6554 (AD-693125)
Impurity effects in intense plasma radiation sources, 24:15757 (AD-687874)
Impurity effects in intense plasma radiation sources, 24:19911 (AD-687874)
JOSEPHY, K. Drift-wave fluctuations and anomalous diffusion in cesium, 24:3391
Drift-wave fluctuations and anomalous diffusion in magnetoplasma, 24:26287
Influence of drift waves upon transverse diffusion in a fully ionized magnetoplasma, 21:29197
Wave-excited anomalous diffusion in a fully ionized magnetoplasma, 21:9532
JOSEPHY, Karl Transverse plasma transport due to drift waves in magnetoplasma, 22:13428 (NP-17257)
JOSEY, Julian C. Placental localization: comparative evaluation of isotopic placentography and amniography, 25:32498
JOSHI, A. Intergranular brittleness studies in W using Auger spectroscopy, 24:19417 (COO-1778-4)
Intergranular brittleness studies in tungsten using Auger spectroscopy, 24:48829
Prog. rpt. on study of grain boundary segregation, annual, 12/69, 24:11356 (COO-1778-3)
Prog. rpt. on study of grain boundary segregation, 12/2/70, 25:15428 (COO-1778-6)
JOSHI, A. W. Neutron—magnon interaction involving orbital transitions, 21:38167
JOSHI, B. D. Chemical separation and spectrographic determination of trace amounts of rare earths in uranium using LiF—AgCl carrier, 25:4021
Chemical separation and spectrographic determination of trace amounts of rare earth elements in uranium, 25:28915 (BARC-517)
Spectrochemical determination of some rare earths in uranium using lithium fluoride—silver chloride carrier, 24:11422 (BARC-441)
Spectrographic analysis of rare earths and actinides in plutonium, 23:24064 (BARC-383)
Spectrographic determination of some lanthanides and actinides in uranium and plutonium, 24:50338 (CONF-690916-(Vol.2), pp 290-7)
JOSHI, B. K. Lunar tidal variations in equatorial sporadic-E layer, 24:35309
JOSHI, B. M. Electrodeposition of carrier-free ^{95}Zr, 22:47161
Preparation of source of ^{95}Nb, 24:36521
JOSHI, B. V. Critical study of BeO by pulsed neutron method, 22:14273
Pulsed neutron studies of BeO with empty channels, 22:26777
Rossi-α time correlator, 24:16325
JOSHI, Bhairav D. Overlap matrix elements and related integrals for H_3^+, 25:970
JOSHI, C. W. Automatic data logging system for meteorological studies in reactor environments, 24:14339 (BARC-444)
Design concepts of a centralized automatic air monitoring system for a large radioisotope complex, 23:47778
JOSHI, D. P. Studies on octacyanogen complexes. I, 25:51436
JOSHI, D. S. Basic mechanisms of radiosensitization by chemicals. II, 23:45969 (BARC-392)
Basic mechanisms of radiosensitization by chemicals. III, 24:23401 (BARC-451)
JOSHI, Daya P. Evaluation of ^{32}P for intractable pain secondary to prostatic carcinoma metastases, 21:34718
JOSHI, G. C. Dependence of molecular dissociation equilibrium on magnetic field strength in sunspots, 25:58589
Duality and secondary trajectories, 23:42777
Generalized stress-energy tensor, spectral function sum rules, and 2$^+$ mesons, 22:22388
Gribov—Pomeranchuk phenomenon in N/D approach, 22:20220
l-plane and Khuri-plane singularities in Veneziano model, 24:18299
Neutral-meson production in a quark model, 22:35009
Quark model for meson—baryon processes, 21:29549
Spectral function sum rules for tensor currents and the rho-meson electromagnetic mass difference, 23:27785
Veneziano amplitude for πN scattering, 24:40553
JOSHI, K. P. Effective interaction for light and intermediate nuclei, 23:15496
Energy level calculations for light and intermediate nuclei, 24:15996
Simulation of T = 0 realistic forces, 24:43141
JOSHI, Krishan K. Electrical loads for EFD generator, 25:47358 (AD-716102)
JOSHI, L. U. Ground level air (^{141}Ce and ^{144}Ce) at Bombay, 21:43063
Investigation on ^{210}Pb concentrations in various regions of India, 25:42387
Measurement of ^{210}Pb in surface air and precipitation, 23:24311
Radiochemical determination of ^{210}Pb in ground level air in India, 23:462
Seasonal variations of radium-D (^{210}Pb) in ground-level air in India, 22:35949
Studies on ^{210}Pb activity in India, 24:50465 (CONF-690916-(Vol.2), pp 90-4)
JOSHI, M. C. Collective levels in ^{121}Sb and ^{123}Sb, 22:20636
Decay of /sup 177m/Lu, 25:50778
Low lying levels of ^{123}Sb, 25:50780
Nuclear coupling scheme of ^{121}Sb and ^{123}Sb, 22:32641
Nuclear g factor of the 1301-keV 4$^+$ level in ^{144}Nd, 21:10018
JOSHI, M. G. Radiation induced mutants in Pennisetum typhoides, 22:33798
JOSHI, M. P. Electrometric determination of neodymium(III) as tungstate, 22:33266
Electrometric studies on the compositions of uranyl isopolytungstates, 23:205
JOSHI, M. V. Spectrographic analysis of plutonium for twenty-two trace impurities by the d.c. arc method, 22:35758
Spectrographic determination of rare earths in Pu, 24:26937
Spectrographic method for the determination of rare earths in plutonium: use of trilauryl amine, 24:50339 (CONF-690916-(Vol.2), pp 298-302)
JOSHI, N. D. Potentiometric determination of rare earths with sodium ortho-vanadate, 22:30477
JOSHI, P. C. Binding energies of alpha-particle nuclei, 25:59725
JOSHI, P. V. Rapid method for estimating radium and radon in water, 23:35006
Size determination of airborne plutonium particles by autoscintigraphy, 25:18976
JOSHI, R. K. Effect of heavy water on radiosensitivity of maize and barley seeds, 23:16356
Effect of moisture stabilization period on radiosensitivity of barley seeds, 23:10113

Influence of water content of barley seeds during irradiation on the growth of the seedlings, 23:29904
Influence of x-irradiation and seed-moisture on nucleic-acid and protein metabolism in barley, 25:609
Potentiation of gamma-radiation effect by 2,4-dinitrophenol in barley seeds, 24:25604
Recovery from gamma radiation injury in barley seeds, 23:31995
JOSHI, R. V. Thermoluminescence of NaCl:Tl at 340°K, 25:25226
JOSHI, Ramesh C. Radioactive Xe in diagnosis of pulmonary embolism, 23:6508
JOSHI, S. B. Distribution of carriers in diffusion-controlled plasma, 25:1174
Radial and longitudinal distribution of charge carriers in a diffusion-controlled plasma, 22:39045
Radial particle distribution profile in low-temperature gas discharge plasma, 25:1179
Volume recombination in gas discharge plasma, 24:10522
JOSHI, S. C. Photoelectric study of ultra short period star SZ Lyncis, 22:13142
JOSHI, S. K. Cross-sections and reaction rates for electron-impact ionization of lithiumlike and sodiumlike positive ions, 25:27443
Dissociation and ionization of H_2^+ by electron impact, 24:26002
Elastic scattering of electrons by Li atoms using modified Glauber approximation, 25:52649
Electron loss from H atoms incident on H_2, N_2, and O_2, 25:49707
Electron-impact excitation of Be^+, Mg^+, and Ca^+ ions, 24:17694
Electron-impact excitation of lithium, 25:55864
Electron-impact ionization and excitation cross sections of atoms with two outer-shell electrons, 23:41971
Electron-impact ionization cross section of ions, 23:41952
Excitation of alkali atoms by electron impact, 23:22901
Excitation of helium by proton impact, 25:24896
Excitation of hydrogen atoms by proton impact, 25:49706
Phonon frequencies of Be, Mg, and Zn, 24:26317
Proton impact excitation for alkali atoms, 25:40387
JOSHI, S. N. Genetic variability in oats from treatment with physical and chemical mutagens, 22:17008
Mutagen induced variability for oat seed weight in selected and unselected populations, 24:12054
JOSHI, S. R. 2-aminobenzothiazole as gravimetric reagent: milligram level determination of Hg(II), 25:34520
JOSHI, S. V. Monolayer studies with γ-irradiated poly-L-serine, 25:41834
JOSHI, Sheila Radiation-induced fragments and structural rearrangement of chromosomes in Coriandrum sativum, 21:13067
JOSHI, Sindhu V. Gamma irradiation studies with synthetic polyamino acids, 22:40586
JOSHI, T. R. Thermoluminescence of NaCl:Tl at 340°K, 25:25226
JOSHI, V. The collection of positive ions by means of screened probes, 24:51615 (IPP-2/83)
JOSHI, V. G. Possible uncoupling action of gamma-radiation in excised bean hypocotyl segments, 24:48412
Potentiation of gamma-radiation effect by 2,4-dinitrophenol in barley seeds, 24:25604
JOSHI, Vinaya Remark on Minton's symmetry for Racah functions, 25:53256
JOSHIMA, Hisamasa Whole body activation autoradiography, 24:31778
Whole-body activation autoradiography, 25:13590
JOSHUA, D. C. Modification of radiation damage with storage in seeds irradiated with thermal neutrons, 23:6426
Radiation studies on japonica-indica rice hybrids, 21:24665
Relative effects of neutron vs. x irradiation of seeds, 24:8014 (BNL-14117)
JOSHUA, S. J. Spin-wave dispersion relations of antiferromagnetic UO_2, 24:8539
JOSIAS, C. Electrometer for use in space instruments, 21:1575
JOSIAS, Conrad S. Instrument for the measurement of auroral electrons and protons, 25:57790
JOSIEN, Marie-Louise Vibrational spectra of twelve isotopic species of autoassociated ethanols, 23:9404
Vibrational spectra of twelve isotopic species of monomeric ethanols, 23:9405
JOSIMOVIC, Lj. Radiolysis of alcohols at low temperatures. III, 24:31415
Radiolysis of alcohols at low temperatures. IV, 24:31416
Radiolysis of solid oxalic acid and ammonium oxalate induced by mixed pile and ^{60}Co gamma radiation, 22:42763
JOSINE, M. Radiation safety, 23:6478
JOSLIN, C. A. F. High dose-rate treatment moulds by afterloading techniques, 23:29679
Lethal effect of radiation on mice, 22:12911
Use of high activity ^{60}Co sources for intracavitary and surface mould therapy, 25:8738
JOSLIN, C. W. Self-powered detectors for LMFBR service, 22:12570 (ANL-7380, pp 139)
JOSLIN, D. Low-energy proton damage to silicon solar cells, 25:21515
JOSLIN, David E. Prog. rpt. on low-energy proton damage to silicon/solar cells, 1/69—1/70, 25:42226 (AD-715261)
JOSLIN, Murray Dresden nuclear power station, 24:24728
Industry participation in the nuclear standards program, 24:45852
Role of codes and standards in achieving safe, dependable, and economic nuclear power, 25:39180 (A/CONF.49/P-43)
Standards and codes can ease licensing path, 23:49534
JOSLIN, W. Murray Review of engineering standards development for nuclear power systems, 25:28536
JOSLING, C. A. Ore sorting system based on x-ray fluorescence, 24:41189
JOSLING, Clifford A. Radioactive-source enclosure, 24:2360
JOSOVIC, M. Transition multipolarities in decay of /sup 197m/Hg, 25:3682
JOSSELSON, R. Stability of reactor control systems in coupled core reactors, 25:60051
JOSSERAND, P. Determination of the local placental blood flow in pregnant woman using ^{133}Xe, 24:48606
JOSSO, E. Influence of a small U addition on the mechanical and magnetic properties of 50-50 Fe—Ni alloy, 21:20496
Structure and properties of the binary Nb—Ti, Nb—Mo, and Nb—Zr solid solutions, 25:19215
JOSSO, E. R. Use of titanium alloys in thermionic conversion, 23:51412 (CEA-CONF-1034)
JOSSO, Emile Relations between structure and properties in magnetically hard Fe—Co—V alloys: deficiencies of equilibrium diagrams, 25:676
JOSSOUD, Michel Apparatus for shielding and exposing a radioactive source, 21:17795
JOST, E. Inherited semisterility for control of harmful insects. I, 25:42335
Semisterility for insect control, 25:29752
JOST, H. Wear of rolling bearing with irradiated balls, 24:41625
JOST, Heidemarie Sequential scintigrams of kidney with ^{131}I- o-iodo-hippuric acid and /sup 113m/In-EDTA, 25:13499
JOST, K. Cross section of reaction ^{64}Zn(n,t)^{62}Cu, 22:48504
Energy filter lens for large diameter electron beams, 25:22948
Low-energy electron scattering checked by cross section measurements of Hg between 25 and 150eV, 23:18432
Polarization of slow electrons by Hg and relativistic Hartree potential, 21:33158
Production of polarized electron beams, 24:3791 (AD-690762)
JOST, Klaus Influence of plural scattering on polarization and angular distribution in low-energy electron scattering, 22:13249
JOST, P. Analysis of daily variations of cosmic radiation, 22:34311
Correlation between daily variation of nucleon components of cosmic radiation and earth's magnetic disturbances, 22:34312
Studies on D_2O-moderated lattices of natural UO_2 clusters with gas and H_2O coolants, 23:23973 (EIR-143)
JOST, R. Conjecture of Robinson and Ruelle concerning quantum-mechanical entropy, 24:49283
Local quantum theory, 24:52181
JOST, W. Low temperature oxidation, 21:3076
JOSTES, Erhard Studies on morphology of x- and radium-irradiated mouse ovaries. II, 21:13028
JOSTLEIN, H. Anomalous magnetic moment of the μ^-, 22:22268 (CONF-670923-, pp 48-56)
JOSTLEIN, M. Muon storage ring of CERN, 22:11833
JOSTSONS, A. Anisotropic growth of aluminium nitride under neutron irradiation, 23:12445
Creep-rupture properties of neutron-irradiated aluminum alloys, 25:40087
Crystallographic techniques and data for transmission electron microscopy of zirconium, 25:6877 (AAEC/E-204)
Effect of neutron irradiation on chrysoberyl, 22:19679
Effects of structural imperfections on voids in aluminum, 25:58298 (ORNL-TM-3493)
Interstitial ordering in α-Zr—O alloys, 24:2955
Radiation-induced voids in high-purity magnesium, 25:55580
JOTOV, M. Natural radioactivity in food products in a region with increased natural radioactive background, 25:21680
JOU, Wen-huei Nonisothermal theory of an electrostatic probe in a weakly ionized gas, 25:52790
JOUAN, Antoine Volatility of ruthenium during vitrification operations on fission products. II, 23:24140 (CEA-R-3663(2))
JOUAN, R. Technical problems posed by the aqueous method of fuel reprocessing, 23:28953 (ORNL-tr-2146)
JOUAN, Rene Processing of irradiated fuels, 22:12412
Some characteristic aspects of the problems posed by the construction of a reprocessing plant, 21:391
JOUANIGOT, J. Preparation of nuclear targets on thin bases, 21:6778
JOUANNAUD, C. French experience in reprocessing, 23:13815 (CEA-CONF-1178)
French experience in reprocessing, 24:16667
JOUANNAUD, Claude Solutions to criticality problems in a plutonium extraction plant, 23:7587 (CEA-R-3581)
JOUAULT, Pierre Sampling gas-borne matter by filtration, 22:2476
JOUBERT, A. Deuteron acceleration by Saturne, 23:44783
JOUBERT, Francois Visualization of isotherms in an argon plasma jet, 21:46343
JOUBERT, J. C. Systems B_2O_3—MO—MS boracites M—S (M = Mg, Mn, Fe, Cd) and sodalites M—S (M = Co, Zn), 25:11526
JOUBERT, J. D. Electrostatic spray separator, 23:29064
JOUFFREY, B. Heterogeneous deformation of niobium single crystals at very low temperatures, 25:35378
Influence of radiation damage on hyperfine-interaction measurements after implantation in metals, 25:52929
Low-temperature plastic instability in pure niobium single crystals, 25:52356
Partial dislocations in sub-stoichiometric tantalum carbide, 23:14399
Stacking faults in a non-stoichiometric face-centered cubic TaC, 21:37564
JOUFFREY, Bernard Deformation of Nb single crystals at low temperatures, 24:28213
JOUIN, J. Nuclear reactor core elements position adjusting device, 22:1905
JOUKOFF, A. A. Role of the creation e in the stellar nucleosynthesis, 23:51193
Solar wind event of January 2, 1970, 25:886
JOUMARD, R. Direct digital monitoring of control loops by computer, 22:16947
Surveillance by computer of piles, 23:13448
JOUMARD, Raymond Direct digital control of furnaces radiated in nuclear reactors, 23:45576 (CEA-R-3407)
JOUNEL, B. Heats of dissolution of tin, silver, silicon, and iron in liquid aluminum, 22:31362
JOUQUET, G. Analysis of stress-deformation in graphite, 25:749
Application of internal friction to the study of graphitization, 25:4870
Effect of short-term neutron irradiation on the shear compliance of hot-worked pyrolytic graphite, 22:28966
Experiments on creep in graphite under neutron irradiation, 25:52470 (A/CONF.49/P-614)
Heat production from interior friction in irradiated graphites, 23:30145
Internal friction of carbons and graphites, 24:25777 (CEA-CONF-1490)
Internal friction of graphites, 22:8836
Metals reinforced by carbon fibers, 25:49537
Young's modulus of artificial graphite, 21:9232
JOURDAIN, Jean Flask and ashcan for the transport of radioactive waste, 25:361
JOURDAN, A. Magnetic resonance of hydrogen molecular levels excited by electron impact, 23:48721
Study of γ radiation accompanying the decay ^{171}Hf → ^{171}Lu, 21:31800
JOURDAN, Alfred Agreements between the internal conversion coefficients of the L and M sublevels in the pure E2 transition of ^{171}Yb at 75.88 keV, 21:4294
JOURDAN, G. Experiments on MASURCA, ERMINE, and SNEAK in support of projects PHENIX and SNR, 24:33436
JOURDAN, M. Study of the degassing of materials at very low pressure, 22:16847
Study of the degassing of materials at very low pressures, 22:23256
JOURDAN, P. Acceleration of a plasma ring, 21:27202
Experimental study of a current sheet, 23:30539
Shock and current sheet structure in a theta-pinch configuration, 24:28263
Thickness of a resistivity-controlled hydromagnetic shock wave, 23:18657
JOURDAN, Paul Mach meter using semiconductor detectors for nuclear radiation, 25:32289 (CEA-R-4107)
JOURDAN, Philippe Acceleration of a plasma by a moving current layer, 25:7382 (NP-18539)
JOURDE, H. Scintigraphy of vascular system of brain, 24:25516
JOURDE, P. Developments in the treatment of liquid effluents at plutonium production centers, 25:21120
JOURET, C. Fossil nuclear-particle tracks in extraterrestrial matter, 24:48982
Habit and texture of lunar and meteoritic materials, 25:11671
JOURNET, J. Survey on fuel cycles and total generating costs, 24:50145 (CONF-700401-, pp 726-53)
JOURNET, J. A. Fuel cycles and reactor physics of heterogeneous and homogeneous high-temperature reactors, 23:37517
JOUSSELIN, C. Isotopic chromatography, 22:40190 (ORNL-tr-1950)
JOUSSET, J. Experimental study with a streamer chamber of the pair production in the nucleus and electron fields at low energy, 25:17363
Production of hyperfragments and ^{8}Li fragments in interactions of mesons (K^-) at 10.1 GeV/c with emulsion nuclei, 22:24548
JOUSSET, J. C. Changes in length and of electric resistance of U under reactor radiation at 4.6°K, 24:21397 (CONF-680322-5)
Dechanneling of fast transmitted particles by lattice defects, 24:42831
Growth and resistivity change of U by thermal neutron irradiation, 22:44246
Irradiation faults in α U and Matthiessen rule, 23:10709
JOUSSET, J.-C. Electron irradiation of U at 7°K, 22:28871
JOUSSET, Jacques Evaporation of ^{8}Li nuclei in the interaction of K^- mesons at 10.1 GeV/c with nuclei of Ag and Br, 22:37335
Study of the emission of energetic helium nuclei in the nuclear cascade, 21:9700
JOUSSET, Jean-Claude Channelling patterns in metallic crystals, 23:48457 (CEA-CONF-1318)
Point defects in uranium α, 23:20512 (CEA-R-3526)
JOUSTEN, N. Z Andromedae,, 24:8257
JOUTHAS, J. T. Alkali metals evaluation program, 23:16031 (AGN-8192(Vol.2))
Thermal conductivity of liquid sodium, 24:985 (AGN-8191(Vol.7))
Thermodynamic and transport properties of K thermal conductivity of vapor, 23:30001 (AGN-8194(Vol.1))
JOUVE, Bernard Radioactivity measurements, 25:55020
JOUVE, Gerard Electrochemical behavior of U electrode in contact with aqueous solutions and the nature of the phases formed as a function of pH, 25:34562
JOUVET, B. Autocomposite particles, 21:31543
Exact content of the renormalization group postulate, 24:45587
Extension of the renormalization group, 22:15840
Relativity and quanta, 24:20222
Renormalization groups extended to masses, 23:46799
Stimulated photon-graviton conversion by an electromagnetic field, 22:53032
Zero-dimensional physics, stairs, continued fraction, and convergence problems, 22:11722
JOUVET, Bernard Extensions of the renormalization group, 21:44312
Field theoretical approach to composite particles, 22:39368
Gauge invariance with non zero photon bare mass, 22:39337

  Nonconserved vector currents and CP violation, 23:27835
JOUYS, Jean-Claude Study of the electrical behavior of various magnetohydrodynamic generators using explosives, 23:32207 (CEA-R-3714)
JOVANIC, M. Heterogeneous method for thermal flux fine structure calculation in liquid moderated nuclear reactors, 25:8132
JOVANIC, M. M. Use of Feinberg—Galanin method for calculation of thermal-flux fine structure in liquid-moderated nuclear reactors, 21:38596
JOVANIC, Milan Nuclear power plant, 500 MW BHWR, 22:25019
  Optimization of nuclear power plant parameters, 24:20543
JOVANOVIC, B. Effect of ionizing radiation upon the properties, yield, and quality of industrial cayenne (Capsicum annuum var. longum and grossum), 22:12941
  Existence of delta—U_3O_8, 23:51136
JOVANOVIC, D. Functional and circulatory changes in rats after local irradiation, 25:55328
  Selenium-75—selenomethionine as tumor diagnostic agent, 23:48158
  Selenium-75-selenomethionine uptake by malignant tumors, 25:6738
JOVANOVIC, D. D. Muon background in the 25-foot chamber, 24:50603 (TID-25473(Vol.2), pp 197-201)
  Muon detectors after the 25-foot chamber, 24:50605 (TID-25473(Vol.2), pp 207-11)
  Zero-order proposal for the search for W meson, 24:51912 (TID-25473(Vol.4), pp 183-4)
JOVANOVIC, Dj. Radioprotective effects of serotonin in the irradiated rat, 21:26507
JOVANOVIC, Dobrinka Development of an x-ray emission spectrography method for the determination of molybdenum in oils, 24:29183
  X-ray fluorescence analysis of Mo in ores, 24:9224
JOVANOVIC, Drasko ZGS program, 25:53429 (UCRL-20655, pp 38a-58)
JOVANOVIC, Dura Application of the tracer technique in the investigation of solid-phases mixing in the tapered-bed column, 22:19494
  Description of ammonium diuranate produced in the pilot plant at Kalna, 21:40861
JOVANOVIC, L. Three-zone method for thermal and hydrodynamic calculations of a BHWR, 21:19428
JOVANOVIC, Lj. Approach to the analysis of temperature fluctuation in two-phase flow, 25:51687
  Burnout detector with thyristor, 24:24825
JOVANOVIC, Ljubomir Three-zonal calculation method of boiling heavy water power reactor, 22:10015
JOVANOVIC, M. Effect of radioiodine on thyroid function. IV, 23:29387
  Effect of radioiodine on thyroid function. III, 23:29388
  Isothermal growth of secondary-phase particles in a dilute uranium alloy, 24:25747
  Isotopes in animal production, 25:46669
  Precipitation of secondary phase particle from supersaturated solid solution in a dilute uranium alloy, 25:49464
  Radiation protection studies with essential phospholipids of EPL substance, 23:29589
  Some results of the application of ionizing radiation in helminthology, 25:52007 (A/CONF.49/P-355)
JOVANOVIC, Milan Activity of transaminases in the rat serum after internal contamination with ^{137}Cs and ^{90}Sr, 21:20071
  Beta—alpha transformation in dilute uranium alloys, 23:43986
  Effect of heat treatment on dilute U alloys, 23:43985
  Radiation and wound healing, 24:872
  Transformation of labeled glutamic acid in brain of irradiated mouse, 22:23615
JOVANOVIC, Milan T. Size and distribution of secondary phases in low alloy U, 23:46081
JOVANOVIC, Milos Operating performances of nuclear power plants, 24:20574
JOVANOVIC, Milovan Certain biological and biochemical aspects of the use of ionizing radiation in immunization against parasitic diseases, 23:773 (JPRS-45305)
JOVANOVIC, S. Isotopic ratios in chondrites, 24:12501
  Physical calculations for heavy water power reactors: methods and programs, 22:24963 (IBK-241)
  Surface-related mercury in lunar samples, 25:33050
JOVANOVIC, S. M. Three-zone method for thermal and hydrodynamic calculations of a BHWR, 21:19428
JOVANOVIC, St. Review of NORA project noise experiments, 21:30123 (CONF-660206, pp 503-30)
JOVANOVIC, Stanka Trace elements and accessory minerals in lunar samples, 24:20731
JOVANOVIC, V. Kinetics of ^{47}Ca in man, 24:23087
JOVANOVICH, J. V. Experiment on the sign and magnitude of the K/sub L/°—K/sub S/° MASS DIFFERENCE, 21:2357
  Measurement of proton—proton bremsstrahlung cross sections at 42 MeV, 25:14556
  NAL on-line computing facilities, 24:52317 (TID-25473(Vol.3), pp 145-64)
  PDP-9 system at Univ. of Manitoba cyclotron, 22:47414
  System of neutral K mesons, 23:49106
JOVANOVIC-KOVACEVIC, O. Z. Behaviour of ^{32}P in crystalline aromatic phosphates, 23:328
  Chemical effects induced by neutron irradiation of Na tetrametaphosphate, 24:25089
JOVCEV, K. Investigation into the elastic pd-scattering by the thin internal target method, 23:19662
JOVE, J. Americium disulphide and diselenide, 25:51433
  Radiolysis of solutions of silver and of copper perchlorate in liquid ammonia, 24:25086
JOVEN, Claricia B. DTPA and pH on leaf uptake of ^{59}Fe, ^{65}Zn, ^{137}Cs, ^{241}Am, and ^{210}Pb, 24:23102
JOVER, P. Equipment for the detection of residual fuel in leached hulls by neutrons counting, 24:38799
JOVER, Pierre Control of fissile-material losses during Rapsodie fuel reprocessing, 24:22925 (CEA-R-3961)
  Equipment for the detection of residual fuel in leached hulls by neutron counting, 24:11764 (CEA-CONF-1410)
  Highly dependable automatic control for nuclear reactors, 23:19594
  Use of a small computer for the control of a nuclear reactor, 25:48243 (CEA-CONF-1773)
JOVIC, B. Heat and mass transfer in turbulent boundary layers. I, 25:41987
  Heat and mass transfer in turbulent boundary layers. II, 25:41988
  Legal control of discharge of radioactive materials in Yugoslavia, 24:7915
JOVIC, Branko Criteria and principles of nuclear power plant location, 24:20589
JOVIC, Dj. Neutron inelastic scattering and neutron diffraction at the Vinca heavy water reactor, 25:28779
JOVICIC, B. Chronic hazards of ionizing radiation, 25:49307
JOVIN, G. Clearance of colloidal radiogold in diseases of liver, 23:50719
  Interpretation of scintigraphic changes during chronic hepatitis and cirrhosis of the liver, 23:48146
JOVINE, R. Study on data-processing computer installed by Garigliano Nuclear Power Plant, 22:39768 (EUR-3781)
  Use of Garigliano power plant computer for automation of some calculations relating to operation of plant, 22:39767 (EUR-3780)
JOVINE, Riccardo Data computing system installed at Garigliano nuclear power plant, 22:30146 (EURAEC-1983)
  Use of Garigliano plant computer for calculations relating to plant operation, 22:27412 (EURAEC-1982)
JOVOVIC, D. Recovery effect of highly polymerized homologous testis and liver DNA on seminiferous epithelium of x-irradiated rats, 23:12139 (AEC-tr-6646/4A, pp 133-7)
JOVTSCHEV, M. Investigation of cupelling method used for ruthenium and iridium isolation, 25:48488
JOVTY, E. I. Simulataneous measurements of ionospheric drifts by vertical and oblique sounding, 25:38280
JOWETT, C. W. Relationship between surface potential and electronegativity for adsorption on tungsten single crystals, 25:19207
  Work function changes due to adsorption of Cl, Br, and I on W single crystal surfaces, 25:19209
JOWEV, S. Heliotherapy and its influence on the activity of some enzymes in psoriasis conditions, 23:29355
JOWITT, D. Measurement of ^{238}U/^{235}U fission ratios in Zebra, 25:18704
JOWSEY, Jenifer Ability of ^{47}Ca kinetic analysis to discriminate metabolic states affecting bone formation in dogs, 22:40574
  Autoradiographic method for radiocalcium in bone, 24:19294
  Comparative deposition of ^{45}Ca, ^{65}Zn, and ^{91}Y in bone, 22:2486
  Indirect measurement of bone resorption, 21:8705
  Mineral density in normal and osteoporotic bone, 25:4629 (CONF-680211-, pp 411-21)
  New method of evaluating bone loss in osteoporosis, 25:4639 (CONF-700515-, pp 199-204)
JOY, D. S. Probabilistic model for estimating the operating cost of an electric power generating system, 25:60280 (ORNL-TM-3549)
JOY, David Methods of planning generating unit operation, 25:18068
JOY, David S. Determining optimal dispatching sequence for combined hydro—thermal—pumped-storage utility system, 25:8156 (ORNL-4624)
  Dynamic programing solution of electric generating system Unit Commitment Problem, 24:22545 (ORNL-TM-2881)
JOY, E. F. Practical analysis of high-purity chemicals. VI. Emission spectrographic analysis of high-purity acids, 25:54431
JOY, M. Versatile gamma-ray camera for dynamic or static isotope studies, 22:30828
JOY, Michael L. G. Survey of medical gamma-ray cameras, 24:19211
JOY, T. Gamma ray time-of-flight spectrometer for fast neutron-gamma ray angular correlations, 23:43535
  Practical applications of ^{14}O-direct proton capture reaction with a Ge(Li) detector, 25:50266
  Some neutron-gamma ray angular correlation studies of ^{31}P, 24:13316
  Spurious groups in associated gamma ray time-of-flight spectra, 23:43580
JOYCE, Alfred John Nuclear reactors, 25:51036
JOYCE, D. E. Solubility of uranium in urania, 22:15258
JOYCE, G. Inverse third power law for the shielding of test particles, 23:3494
  Susceptibility of scrapie agent to ionising radiation, 23:26961
  Velocity of ion bursts in a plasma, 24:35503
JOYCE, G. S. Lattice model for the lambda transition in a Bose fluid, 22:17567
JOYCE, Glenn Deflection of charged particles by a current-carrying plasma, 22:3069
  Dispersion of ion—acoustic waves, 24:8501
  Frequency dependent transport equation for a magnetoplasma, 24:51664
  Light scattering in a marginally stable plasma, 25:36144
  Nonlinear behavior of the one-dimensional beam plasma system, 24:49145 (COO-2059-2)
  Nonlinear behavior of the one-dimensional weak beam—plasma system, 25:27710
  Numerical integration methods of Vlasov equation, 25:5097 (COO-2059-6)
  Numerical integration methods of Vlasov equation, 25:59040
  Propagation of low-frequency electrostatic waves in a magnetic field, 24:21830
  Shielding in anisotropic plasmas, 21:42059
  Shock-like solutions of electrostatic Vlasov equation, 22:39075 (N-68-21832)
  Shock-like solutions of electrostatic Vlasov equation, 23:25357
JOYCE, Glenn R. High-frequency conductivity of a partially ionized plasma in the long-wavelength limit, 21:37470
JOYCE, Glenn Russell Conductivity of a partially ionized plasma in the long wavelength limit, 21:33387
JOYCE, J. Triangle Universities Nuclear Lab. time-sharing computer system, 24:8764 (CONF-690301-, pp 276-86)
JOYCE, J. B. Stabilizing system for Model C stellarator, 24:24074 (LA-4250, pp G9.1-5)
JOYCE, J. F. MEA; US, 23:24819
  Powder metallurgy, 22:34005
  Powder metallurgy, 22:34020
  Powder metallurgy, 22:34048
JOYCE, J. M. Analyzer for polarization of ^{3}He particles, 24:28691
  Low-lying isobaric analogue states of ^{89}Sr by means of ^{88}Sr(p,p) and (p,p') reactions, 22:15992
  Multi-exit channel study of analog resonances in ^{51}V + p, 23:25850 (CONF-690310-4)
  Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:31235
  Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:53632
  Polarization of ^{3}He scattered from ^{12}C, 24:28710
  Polarization of ^{3}He scattered from ^{9}Be, ^{12}C, and ^{16}O at 18 and 20 MeV, 25:53634
  Production of K x rays in Ca, Ti, and Ni by 2- to 28 MeV protons, 24:21580
  Reaction (^{3}He,α) on ^{22}Ne, ^{24}Mg, and ^{26}Mg at 15 MeV, 23:40007
  Reaction (^{3}He,α) on ^{64}Zn and ^{70}Ge, 21:23462
  Reaction (^{3}He,α) with nuclei in the s-d shell, 25:17796
  Reaction ^{30}Si(^{3}He,α)^{29}Si, 24:30736
  Resonances in ^{88}Sr(p,p') analog to non-single particle states in ^{89}Sr, 22:27210
  Single-neutron-hole states in ^{89}Zr from the ^{90}Zr(^{3}He,α)^{89}Zr reaction at 18 MeV, 21:23468
JOYCE, Jack B. Manufacturing technique used in fabrication of helical, semi-toroidal electrical windings, 21:30581 (CONF-661016, pp 83-94)
JOYCE, James Martin Reactions ^{22}Ne(^{3}He,α)^{21}Ne, ^{24}Mg(^{3}He,α)^{23}Mg, and ^{26}Mg(^{3}He,α) ^{25}Mg at 15 MeV, 22:50580
JOYCE, M. D. Operational data for charge I, 25:3795 (DP-Report-561)
JOYCE, N. N. Powder metallurgy, 22:10978
JOYCE, R. R. Far-infrared spectra of Al_2O_3 doped with Ti, V, and Cr, 22:39970 (UCRL-18229)
  Phonon contribution to the far-infrared absorptivity of superconducting and normal lead, 24:35361
JOYCE, Richard Ross Far infrared studies of solids. I and II, 24:53072 (UCRL-19666)
JOYCE, T. A. Delayed fluorescence of anthracene and some substituted anthracenes, 21:39200
JOYCE, W. B. Origin of counting statistics in simple nucleonic instruments, 23:43555
JOYCE, W. E. Sodium thiosulfate spray system for radioiodine removal, 24:33342
  Sodium thiosulfate spray system for radioiodine removal, 25:25993
JOYCE, William B. Angular tracker responsive to penetrating radiation, 25:32295
JOYES, P. Alternations in the secondary emission of molecular ions from noble metals, 25:45294
JOYES, Pierre Energy distribution of shocks created by particles displaced by irradiation inside an alloy, 21:31065
  Theoretical evaluation of isotropic cathode pulverization, 23:5243
  Times of auger de-excitation of holes created by ionic bombardment of a bound electronic level of an atom of the irradiated metal, 22:45967
JOYET, G. Exponential decrease of ^{137}Cs in man from mid-1965 through mid-1968 and its significance, 24:44495
  Gamma self attenuation and geometry of measurement with single crystal in whole-body counting, 24:11771
  Thorium-series in cigarettes and in lungs of smokers, 25:27046
JOYET, M.-L. Exponential decrease of ^{137}Cs in man from mid-1965 through mid-1968 and its significance, 24:44495
JOYEUX, J. High-temperature neutron dosimeters, 25:57723 (CONF-711002-, pp 82-5)
  Sample preparation by metallurgical methods, 25:58179 (CONF-711002-, pp 47-58)
  Simple technique for the preparation of ultra-pure boron layers, 22:4537
JOYEUX, Jean Levitation in ultra-vacuum, 25:10805
JOYEZ, G. Resonance phenomena in low-energy-electron-impact excitation of He, 25:55851
JOYEZ, Gerard Excitation of n = 2 He levels by low-energy electrons, 25:35882
JOYNT, Margaret S. K. Effect of a uremic environment on phosphate excretion by a small population of intact and severely diseased nephrons, 25:10963
JOZEFONVICZ, J. Fractionation of poly(isobutylene)—poly(styrene) copolymers prepared by radiochemical means, 23:49861
JOZEFOWICZ, E. Experimental methods developed at Swierk applicable to the physics of fast reactors, 23:52323 (JPRS-48331, pp 258-68)
JOZEFOWICZ, E. T. Determination of rho^{28} parameter in ANNA reactor lattices, 21:19466 (INR-748/IXA/PR)
  Determination of static macroparameters for WWR-SM lattices with increased water-to-fuel ratio, 24:31131 (INR-1152)
  Determination of the rho^{28} parameter in multi-tube fuel elements using chromatographic separation of ^{239}Np, 21:21789
  Macroscopic neutron distributions in "ANNA" reactor lattices, 23:52409 (INR-1058)

  - Measurement of neutron density distributions in multilayer unit cells. IV, 21:14076 (INR-730/IXA/R)
  - Measurement of neutron density distributions in multilayer unit cells. III, 21:14075 (INR-724/IXA/R)
  - Method of neutron density distribution measurement in multi-layer reactor cells, 21:21788
  - Neutron macrodistribution and buckling determination in WWR-SM cores. I, 23:45106 (INR-968)
  - Spectrum index Lu:Dy microdistribution measurements in ANNA reactor lattices, 22:20907 (INR-821/IXA/PR)
  - Studies of epithermal cell parameters in the reactor lattices with multitube enriched fuel, 25:44203 (INR-P-1266)
- JOZEFOWICZ, Edward T. Basic static parameters for WWR-SM lattices with water channels, 25:15394
  - Determination of epithermal cell parameters in WWR-SM critical assembly cores, 22:48732 (INR-919)
  - Flux fine structure, thermal, and epithermal cell parameters and infinite multiplication factor in WWR-SM lattice, 24:20602 (INR-1119)
  - Spectrum index Lu: Dy measurements in WWR-SM critical assembly cores, 22:47012 (INR-895)
- JOZEFOWICZ, Edward Tadeusz Neutron density microdistribution in the WWR-SM unit cell, 24:26816
- JOZEFOWICZ, J. Fractionation of block copolymers of poly(isobutylene)—poly(styrene), 24:29316
- JOZEFOWICZ, Jacqueline Fractioning of a grafted polyisobutylene—polystyrene copolymer prepared by a radiochemical method, 21:8408
  - Polydispersity in molecular mass and in chemical composition of a graft copolymer of poly(isobutylene)—poly(styrene), 23:28926
  - Radiochemical synthesis of copolymers polyisobutylene—polystyrene, 23:9467
- JOZEFOWICZ, K. Determination of static macroparameters for WWR-SM lattices with increased water-to-fuel ratio, 24:31131 (INR-1152)
  - Energy threshold for neutron detection in a makrofol dielectric track detector, 25:34902
  - Macroscopic neutron distributions in "ANNA" reactor lattices, 23:52409 (INR-1058)
  - Measurement of neutron density distributions in multilayer unit cells. III, 21:14075 (INR-724/IXA/R)
  - Measurement of neutron density distributions in multilayer unit cells. IV, 21:14076 (INR-730/IXA/R)
  - Method of neutron density distribution measurement in multi-layer reactor cells, 21:21788
  - Neutron macrodistribution and buckling determination in WWR-SM cores. I, 23:45106 (INR-968)
  - Spectrum index Lu:Dy microdistribution measurements in ANNA reactor lattices, 22:20907 (INR-821/IXA/PR)
- JOZEFOWICZ, Krystyna Investigation of fission product release from carbon-coated fuel particles, 24:17356 (INR-1125)
  - Use of the solid state particle track detectors in reactor measurements, 23:50117 (INR-1097)
- JOZSEF, Vigassy Microorganisms in water circuits of VVR-S reactor, 21:8053
- JOZWIAK, Zofia Effects of gamma- and x-irradiation on nucleotides of lymph nodes, 24:34102
- JOZWIK, Boleslaw Polish High-Flux Research Reactor R-II, 22:35617
- JU, David M. C. Tumors occurring after radiation of head and neck, 23:29833
- JU, F. D. Analog study of impact fracture of closed-end cylinders, 22:10439 (SC-CR-67-2627)
- JUAN, Henri m-dimensional interpretation of the n-dimensional Einstein equation, 21:31510
  - Use of a conform metric for the interpretation of general relativity equations in the laboratory, 23:34652
- JUANG, K. C. Determination of piston ring wear rate by ^{59}Fe, 23:21902
- JUBB, Albert Improvements in pressure vessels, 23:47673
  - Power plants, 25:60141
- JUCKER, C. Clinical and technical observations in therapy with 42 MeV betatron, 25:58076
  - Comedone eruptions during radiotherapy, 21:4863
  - Dose distributions around linear ^{192}Ir sources, 25:42428
  - First experiences of clinical utilization of betatron of 42 MeV, 22:23575
  - Interstitial irradiation of cervical metastases of cancer of mouth with ^{192}In, 25:49266
  - Intracavitary therapy with radioactive iridium, 22:31088
  - Observations on irradiation of cells in vitro with laser microbeam, 22:2540
  - Radiotherapy of bronchopulmonary tumours with betatron, 23:38723
  - Radiotherapy of cancers of anterior two-thirds of tongue, 24:41945
- JUCU, V. Aspects of metabolism of Sr, Cs, and I isotopes in animals, 23:31729
- JUCYS, A. Numerical solution of Hartree—Fock equations, 24:20019
  - Tables of 9j-coefficients for integral values of parameters with one parameter equal to unity, 23:7352
- JUCYS, A. A. Ground configuration energy spectrum of ^{18}O and ^{18}F nucleus in shell model, 21:13913
  - Isoscalar factors of Clebsch—Gordan coefficients of unitary groups, 25:3305
- JUCYS, A. P. Fractional parentage coefficients with two detached electrons for shells of p and d electrons, 23:48753
  - Substitution group and mirror reflection symmetry in special unitary groups, 22:17983
  - Use of reflection symmetry in atomic theory, 25:58784
- JUDA, W. Cheap hydrogen for basic chemicals, 21:35932
- JUDA, Walter Preparation of thoria sols by electrodialysis, 21:3539
- JUDAY, Richard D. Engineering models of the space radiation environment, 21:37513
  - Riometer measurements, solar proton intensities, and radiation dose rates, 23:41848
- JUDD, A. M. Analysis of the transient boiling of liquid metals, 23:15667
  - Boiling and condensation of sodium in relation to fast reactor safety, 22:53374
  - Calculation of the thermodynamic efficiency of molten-fuel-coolant interactions, 24:33390
  - Dynamics of sodium vapour bubbles, 23:13937 (AEEW-M-792)
  - Interference between expanding Na vapor bubbles, 23:16030 (AEEW-M-793)
  - Local core accidents: comparison between LMFBR's and LWR's, 25:6077
  - Safety problems of liquid-metal-cooled fast breeder reactors, 25:18154 (ANL-7657)
- JUDD, B. R. Atomic g electrons, 22:41359
  - Atomic shell theory recast, 21:43827
  - Atomic structure calculations in a factorized shell, 24:17702
  - Atomic term patterns, 22:41358
  - Class of null spectroscopic coefficients, 22:34252
  - Intra-atomic magnetic interactions for f electrons, 22:29227
  - Lie groups in atomic spectroscopy, 25:55882 (NYO-1447-64)
  - Magnetic interactions between electrons in heavy atoms, 24:23744
  - Magnetic parameters for the configuration f^n, 22:47797
  - Matrix factorizations for Coulomb interaction between electrons in atoms, 23:22878
  - Noncompact group for radial eigenfunctions, 25:14056
  - Overlapping atomic multiplets, 22:45936
  - Prog. rpt. on spectra of rare earth and uranium ions, annual, 6/71, 25:49714 (NYO-1447-70)
  - Quasiparticles in atomic shell theory, 24:17701
  - Second use for the group G_2, 25:58785
  - Symmetry properties of atomic structure, 23:36530
- JUDD, Brian R. Second quantization and atomic spectroscopy, 21:15235
- JUDD, Deane D. Determination of transfer function of seismometer—telemetry system through use of pseudo-random binary sequences, 24:7695 (UCRL-50490)
- JUDD, Floyd Lymen π^+ deuterium interactions at pion momentum 6 GeV/c, 21:13678 (IS-T-132)
- JUDD, G. Measurement of particle—matrix interface strength in TD-nickel, 25:35458
- JUDD, J. M. Effects of internally deposited radionuclides on the thermal tolerance of fish, 21:16459
  - Skeletal distribution of Sr and Ca in several species of fish, 21:45578
  - Strontium—calcium relationships in aquatic food chains, 23:17971 (CONF-670503-, pp 221-5)
- JUDD, O. Cooperative effects in cyclotron echo phenomena, 21:35161 (CONF-670104-Pt.2, pp 317-24)
- JUDD, O'Dean Paul Echo phenomena in a highly ionized plasma, 22:46154
- JUDD, R. A. Swelling of the central boral divider plate of an irradiated fuel rod shipping basket, 23:12294 (AECL-3145)
- JUDD, W. C. Post-irradiation examination of 5 w/o PuO_2—UO_2 fuels, 21:1956 (CONF-660606-53)
- JUDE, Ioan Spectral studies on steroidal nitrate esters. I, 21:1335
  - Spectral studies on steroidal nitrate esters. II, 21:1336
- JUDEIKIS, Henry S. Free radical yields in polytetrafluoroethylene as the basis for a radiation dosimeter, 22:40469 (AD-668109)
  - Free radical yields in polytetrafluoroethylene as the basis for a radiation dosimeter, 22:47187
  - Polytetrafluoroethylene as a radiation dosimeter, 22:12654
- JUDEK, B. Anomalous interactions of secondary particles emitted from relativistic heavy primary interactions, 22:24074
- JUDGE, D. L. Extreme-ultraviolet dayglow of Jupiter, 25:27432
  - Vela 3 magnetograms at 18 R/sub E/, 21:37290
- JUDGE, F. D. Application of synthesis techniques to the calculations of three-dimensional reactivity coefficient distributions, 21:7911
  - Application of synthesis techniques to the calculations of three-dimensional reactivity-coefficient distributions, 22:16328
  - Asymptotic neutron decay constants for bodies containing a central black region, 24:3828
  - Calculations of three-dimensional reactivity coefficient distributions, 21:19361 (KAPL-P-3186)
  - Comments on a paper on nuclear reactor thermal design, 22:35712
  - Effective hot-channel factors for "flat" power reactors, 21:25653
  - Gross fission-product poisoning in uranium systems, 21:8132
  - Number of effective equally limiting hot channels in a reactor with a cosine power distribution, 22:12046
  - Statistical analysis of static power tilting in reactors due to manufacturing tolerances, 22:30366
  - Time-dependent neutron flux in pulsed multiplying assemblies, 21:14096
- JUDGE, Frank D. Flux depression in a parallel array of cylindrical absorbers sandwiched between two parallel planes, 22:33148
  - Flux depression in a parallel array of cylindrical absorbers, 23:2105 (KAPL-P-3460)
- JUDGE, M. D. Associations of body K, chemical composition, and carcass measurements, 23:22207
- JUDGE, R. J. R. Correction of cosmic-ray energy spectra for instrumental noise, 22:29316
- JUDICA-CORDIGLIA, A. Considerations on risks of ionizing radiations in manned space flights, 23:43759 (ORNL-tr-1944)
  - Dangers from ionising radiations associated with space flights carried out with human crews. I, 23:6462
  - Dangers from ionising radiations associated with space flights carried out with human crews. II, 23:29851
- JUDIN, L. A. Complex investigation of salivary glands by means of radioactive isotopes and x radiation, 22:36292
- JUDISCH, J. M. Study of the reticuloendothelial system in hematological diseases, 25:58053
- JUDKINS, Malcolm Robert Nuclear magnetic resonance relaxation of ^{17}O in aqueous solutions of ferric ion, 21:32149 (UCRL-17561)
- JUDKINS, R. R. Thermodynamics of two-phase system: H_2O—$UO_2(NO_3)_2$—TBP—Amsco 125-82, 24:29375
- JUDSON, B. The utilization of plutonium as an alternative fuel in boiling water reactors, 24:24840
- JUDSON, Burton F. Irradiated fuel reprocessing, 22:35908
- JUDSON, H. Experimental study of an electroacoustic wave excited by an antenna in a hot plasma, 21:46329
- JUDSON, H. A. Acetyl peroxide heavy atom kinetic isotope effects. A reevaluation, 24:36234
- JUDY, Clark Deuterium variations in an annual snowpack, 24:44111
- JUDY, P. Absorptiometric bone mineral determination using ^{153}Gd, 25:4649 (CONF-700515-, pp 308-12)
- JUDY, Philip Effect on measurement of bone mineral of ^{126}I contamination of ^{125}I, 22:6797 (COO-1422-12)
  - New bone mineral scanners, 22:306 (COO-1422-10)
  - Semi-automatic bone mineral measuring system, 22:307 (COO-1422-14)
- JUDY, Philip F. Bone mineral content of the phalanx of chronic hemodialysis patients, 24:43874 (COO-1422-80)
  - Developments in the dichromatic attenuation technique for the determination of bone mineral content in vivo, 25:46368 (COO-1422-97)
  - Theoretical accuracy and precision in the photon attenuation measurement of bone mineral, 25:4631 (CONF-700515-, pp 1-21)
- JUDY, R. W. Jr. Characterization of fracture toughness of 5Ni—Cr—Mo—V steel by Charpy V-notch and dynamic tear tests, 23:24859 (NRL-6873)
  - Fracture toughness and stress—corrosion cracking of some titanium alloy weldments, 22:2619
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 12/65—3/66, 21:6795 (AD-641262)
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 4—6/66, 21:13151 (NRL-6513)
- JUDY, W. V. Evaluation of methods for measuring cardiac output, 23:29615
- JUEL, Leslie H. Apparatus for making carbon electrodes or neutronic reactor core bars, 21:4994
  - Carbon electrodes or neutronic reactor core bars, 21:4995
- JUENGER, H. Treatment of rheumatoid synovitis by colloidal, 25:16267
  - Treatment of rheumatoid synovitis by colloidal, 25:16267
- JUENGST, K. P. Backscattering of electrons on Al at 0.25 and 0.5 MeV, 24:29546
  - Measurements on pulsed superconducting magnets, 25:14211 (KFK-1217)
- JUENGST, K.-P. Progress on the German proton-synchrotron, 23:28181
- JUENGST, W. Considerations for superconducting rf particle separators, 21:17205 (CONF-660918-, pp 260-1)
  - Development of the cross-bar structure for a proton linear accelerator, 21:29792
  - New method for measuring the β—γ circular polarization correlation, 21:17842
- JUENKE, E. F. Failure of pressurized Zircaloy tubes, 24:34895
  - High-temperature research on carbides for fuel and structural applications, 21:9237 (GEMP-61, pp 177-84)
  - High-temperature research on carbides for fuel and structural applications, 23:6725 (GEMP-1004, pp 369-78)
  - Non-stoichiometry of tantalum carbide and uranium monocarbide, 22:31450
  - Physical—chemical studies of clad UO_2 under reactor accident conditions, 24:25763 (GEMP-731)
- JUENKER, D. W. Optical properties of some transition metals, 22:13556
- JUETTE, A. Technic of demonstration of melanoblastomas in the posterior bulbar segment with ^{32}P, 21:6565
- JUETTE, B. A. H. G. Determination of trace amounts of I. II, 25:10481
- JUETTNER, B. Prebreakdown currents in high vacuum. II, 23:18632
- JUFFY, E. Welding in construction of high-pressure vessels for reactors. II, 22:634
- JUFFY, E. A. Welding in construction of pressure vessels for reactors. I, 22:633
- JUG, Victor System for breaking a moving mass, 23:11367
- JUGAKU, Jun Studies of peculiar A stars. V, 22:13178
- JUGUET, Bernard Monitoring of the radioactivity of air and water, 24:320
- JUHALA, R. Injection into 8 GeV booster synchrotron, 25:50528
  - Possible spectrometer for accomplishing a secondary beam survey at NAL, 24:52308 (TID-25473(Vol.1), pp 421-4)
  - Spacing of coils of 25-ft bubble chamber, 24:50598 (TID-25473(Vol.2), pp 173-4)
- JUHALA, R. E. Evidence for A_1^0 production in K^-p interactions at 4.6 and 5.0 GeV/c, 22:7449
  - Evidence for narrow 3π effects near 960 MeV in K^-p interactions at 4.6 and 5.0 GeV/c, 22:39282
  - K^-p interactions at 4.6 and 5.0 GeV/c, 24:3529
  - Reaction $K^-p \rightarrow K^-p\pi^+\pi^-$ near 5.0 GeV/c, 24:8658
- JUHALA, Roland Edwin Reactions $K^-P \rightarrow K^-P\pi^+\pi^-\pi^0$ and $K^-P \rightarrow K^-N\pi^+\pi^+\pi^-$ at 4.6 and 5.0 GeV/c, 22:52944
  - Study of reactions $K^-p \rightarrow K^-p\pi^+\pi^-\pi^0$ and $K^-p \rightarrow K^-N\pi^+\pi^+\pi$, 22:29627 (IS-T-225)
- JUHALLA, R. E. Reaction $K^- + p \rightarrow K^- + p + \pi^- + \pi^+$ at 4.6 and 5.0 GeV/c; evaluation of $K^-\pi^-$ scattering cross section, 21:31534

JUHASZ, C. Preparation of high mobility thin films of indium antimonide, 21:34440
JUHASZ, L. Treatment of viral inflammation of cornea by UV irradiation, 22:19389
  Uv-ray treatment of virus-caused corneal inflammations, 22:15042
JUHASZ, S. Angular distributions of fragments in fission of U and Th near (n,2n'f) threshold, 25:56804
  Higher shells at 364-keV transition in the decay of ^{131}I, 23:44905
  Internal conversion ratios at 364-keV transition in decay of ^{131}I, 24:38222
JUHLMANN, E. Low-lying excited states of ^{22}Mg, 24:43244
JUHNKE, D. G. Beta self-absorption of ^{63}Ni as metallic Ni, 21:45315
  Cross section and resonance integral of ^{35}Cl for (n,γ) and (n,p) reactions, 24:24527
  Thermal neutron capture cross-section, 25:1731
  Thermal neutron cross sections and resonance integrals of ^{64}Zn, ^{74}Se, ^{85}Rb, and ^{98}Mo, 22:9815
  Thermal neutron cross sections and resonance integrals of ^{50}Cr, ^{109}Ag, ^{133}Cs, ^{191}Ir, and ^{202}Hg, 22:20597
  Thermal neutron cross-sections and resonance integrals of the europium isotopes, 22:1663
JUHOS, Istvan Radiation-induced solid-state polymerization. XXI, 22:109
JUHOS, J. Radiation-induced solid-state polymerization. XXI, 22:51036
JUIGNET, Nicole Experimental study of a gas flow near a flat surface fitted with fins inclined with respect to the direction of gas flow, 24:43752 (CEA-N-1329)
JUILLARD, G. Telecobalt therapy for carcinoma of laryngopharynx, 25:18998
JUILLERAT, T. CORONA: program for two-group control rod calculations in reflected reactor, 25:3926 (EIR-166)
  PETRAX: program for calculating flux in cells with axially variable parameters, 23:23997 (EIR-144)
  Three-dimensional multigroup P/sub L/-theory, 23:24003
JUILLET, F. E. Reactivity in the solid state of finely divided anatase, 24:3032
JUKES, D. Spectrochemical method for the determination of trace impurities in metallurgical materials, 22:22963
JUKES, J. D. Continuum radiation from quasi-stellar sources, 22:2740
  Effect of temperature gradient on plasma stability, 21:29302
  Equilibrium and MHD stability in Tokamak and hybrid systems, 25:38472 (CONF-710607-82)
  Gravitational and drift waves in a periodic slab, 22:19960 (CLM-R-83)
  Plasma stability in magnetic traps. I, 22:15548
  Plasma stability in magnetic traps. II, 22:50203
  Stability theory of plasma current multipole, 24:35469
  Theory of collisionless-plasma drift mode in multipoles, 22:24364
JUKL, F. Primary circuit piping system of Czechoslovak nuclear power station A-1, 24:28868
JUKNAT, R. Corrosion behavior of Zr—1 Nb and Zr—2.5 Nb in pressurized water and pressurized steam, 23:41554
  Influence of quenching speed after annealing in β-region on corrosive behavior of ZrNb 2.5, 21:41541
  Influence of the oxygen content on the properties of Zr—Nb alloys, 23:41636
JUKNAT, Regina Physical and mechanical properties of Zr—Nb alloys, 22:21702
JULEAN, I. Uranyl pyrophosphate complexes. II, 25:10519
JULIAN, Alain Various vertical sampling devices for aerosols, 25:10754 (NP-18633)
JULIAN, Carl L. Acceptable imperfections in impulsive loads for simulation tests on circular cylindrical shells, 25:8441 (SC-RR-70-600)
JULIAN, Carol Information scanning and processing at NSIC, 25:44280 (ORNL-NSIC-48)
JULIAN, Conrad G. Radiation abortion in radiotherapy, 23:6527
JULIAN, Dolores Radiolysis of peptides, 23:13745 (TID-24935)
JULIAN, Dolores A. Photolysis and radiolysis on phenylalanylglycine, 25:15678
JULIAN, Glenn M. Decay of ^{134}La and ^{136}La, 22:44727
  Excited states of ^{128}Xe, 22:3721
  Excited states of ^{128}Xe, 22:39634 (N-68-15328)
  Excited states of ^{130}Xe populated by beta decay, 23:49392 (N-69-30074)
  Excited states of ^{134}Ba, 21:33979
  Excited states of ^{136}Ba and ^{134}Ba, 23:34785 (N-69-12778)
  Excited states of ^{130}Ce, 25:28414
  Excited states of ^{130}Ce and ^{130}Pr populated by beta decay, 25:48075 (N-71-15837)
  Levels of ^{130}Xe populated in β decay of ^{130}I and ^{130}Cs, 22:53199
JULIAN, R. F. F-region vertical drifts at Millstone Hill, 24:17798
JULIAN, Ralph F. Incoherent scatter measurements of F-region density, temperatures, and vertical velocity at Millstone Hill, 24:51490 (AD-706863)
JULIAN, William H. Effect of interstellar material on stellar noncircular velocities in disk galaxies, 21:20628
  Overstability of thin stellar systems, 23:14552
  Pulsar electrodynamics, 23:44043
  Stellar winds, 24:35032
JULIANI, G. Effect of panirradiation with fast neutrons in albino mice, 22:33940
  Effects of small doses of gamma radiation on skeleton in chick embryo, 21:20406
  New applicator for intrauterine radium therapy, 21:26524
  Radiotherapy and immune reactions of spleen cells in experimental tumors, 24:31866
JULIANI, Giovanni Skeletal alterations in Cushing's syndrome and their modifications, 23:31862
JULIANO, A. Formation of ^{24}Na in the interaction of 12-GeV protons with isotopes of U and Pb, 22:9875
JULIANO, J. O. Activation analysis of philippine uranium ores by delayed neutron counting, 21:17577
  Hazards summary report on internal superheater critical experiments, 22:3889 (ANL-5715(Add.), pp 43-65)
  Oxide critical experiments, 22:3886 (ANL-5715(Add.))
JULIANO, Jose O. Construction and performance of a simple neutron source, 21:4183
JULIANO, P. O. Activation analysis of philippine uranium ores by delayed neutron counting, 21:17577
JULIANO, Petronilo O. Low energy gamma scintillation spectrum of uranium ore, 21:17738
JULIANO, Rudolph Lawrence Proteins of the erythrocyte membrane, 25:37258 (UR-49-1430)
JULIEN, Edmond Kinetics of anodic oxidation of nitrous acid and nitrite ions on a platinum electrode, 24:41165 (UCRL-Trans-10474)
JULIEN, J. Analysis of parameters of resonances in Co and Mn induced by neutrons of energy up to 120 keV, 21:46692
  Determination of spin and resonance parameters for ^{197}Au + n from 1000 eV to 2100 eV, 23:40082
  Determination of spin and resonance parameters for ^{107} ^{109}Ag + n, ^{169}Tm + n, Pt + n at 4 eV to 830 eV, 23:40080
  Distribution of the partial radiative widths of ^{195}Pt using a Ge(Li) detector, 22:18284
  Distributions of resonance intervals and values of correlation coefficients in different parameters, 21:42612 (NP-16816)
  Intermediate structure in the ^{59}Co neutron total cross section between 0 and 500 keV, 21:7746
  Low-energy levels of ^{196}Pt, 21:10027
  Nuclear level schemes from resonance neutron capture (^{196}Pt, ^{184}W, ^{200}Hg, ^{64}Cu, ^{66}Cu, ^{36}Cl, ^{198}Au, ^{60}Co), 23:5897
  Partial radiative capture of resonance neutrons in some isotopes of tin, 23:8995
  Partial radiative capture of resonance neutrons in tungsten, 23:13285
  Partial radiative capture of resonance neutrons by gold and cobalt, 23:37141
  Partial radiative capture of resonance neutrons in Cl, Mn, Fe, Cu, Tm, and Hg, 23:52128
  Partial radiative widths at and between neutron resonances, 23:5901
  Radiative capture of resonance neutrons in platinum, 23:5880
  Resonance neutron capture with lithium-drifted germanium detectors, 22:14834
  Resonance parameters and S_0 and S_1 strength functions for Cl, ^{51}V, ^{89}Y, Zr, La, ^{141}Pr, and ^{209}Bi, 23:13239
  Spin and resonance parameters for Cl + n, Cu + n, Ba + n, and Nd + n, 23:44878
  Spin and the resonance parameters for ^{107} ^{109}Ag + n, ^{169}Tm + n, Pt + n, 24:52639
  Strength function S_0 and the scattering radius R' as a function of mass number and fluctuation of S_0 as a function of energy between 0 and 300 keV, 22:18285
  Strength functions S_0 and S_1, total radiative width GAMMA/sub γ/ and mean level spacing anti D as function of mass number and spin value, 23:5854
  Variation in total radiative width GAMMA/sub γ/ as function of mass number A and value of spin J = I +- $^1/_2$, 24:8861 (UCRL-Trans-10397)
  Variations of total radiative width GAMMA/sub γ/ as a function of mass number A and the spin value J = I -+ $^1/_2$, 23:37160
JULIEN, Jean Properties of "s" neutron resonance parameters for target nuclei I = 1/2 and I = 3/2, 22:53166 (CEA-R-3385)
JULIEN, R. Equipment for ejection and control of low-energy (< 600-keV) proton beam in air, 21:37981
  LET parameter and radiolysis of Fe^{2+} solutions by low-energy protons, 25:26288 (LB/G-2937)
  LET parameter and radiolysis of solutions of Fe^{2+} by protons, 23:47568
JULIEN, Renee Radiolysis of aqueous solutions of sodium hypochlorite, 21:25896
JULIEN JEAN Density functions S_0 and S_1 of the nucleus of ^{209}Bi, 22:9887
JULIENNE, A. Collisional dissociation of hydrocarbon ions, 24:3164 (CEA-CONF-1292)
JULIENNE, P. S. Predissociation of H_2 D^1PI/sub u/ state, 25:16792
JULIETTI, R. J. Determination of Mo in mixtures containing Mo disulphide by atomic absorption spectrophotometry, 23:19653
JULIUS, Anthony L. Jr. Calculations of the interaction of the solar plasma with the magnetic field of a current loop and two parallel infinite lines of current, 22:13370
  Solar plasma interaction with magnetic field, 22:38891 (N-68-19188)
JULIUS, D. Compilation of coupling constants and low-energy parameters, 25:30841
JULIUS, D. L. Coherent pion photoproduction in deuterium and ^{3}He, 25:1462
JULIUS, David I. Coherent rho^0 photoproduction in complex nuclei, 24:24275
  High-energy charged-pion photoproduction from deuterium. I, 25:22744
JULIUS, David Irwin Photo- and electroproduction of neutral rho mesons from nuclei, 25:5336
JULIUS, H. W. Comment on a simple photographic film dosimeter of low frequency dependence, 25:32276
JULKUNEN, H. Effect of roentgen irradiation on experimentally induced synovitis in rats, 24:34692
JULLIAN, S. Cherenkov counter with fluorescent materials, 23:47819
  Measurement of the radiative decay modes of phi^0 meson phi^0 $\rightarrow$ eta^{0}γ, phi^0 $\rightarrow$ $\pi^0\gamma$ with the Orsay storage ring, 25:1411 (LAL-1240)
  Use of light shifting substances in Cherenkov radiators application to a K^+ counter, 23:21968
JULLIEN, M. Welding of SAP for nuclear fuel elements, 23:10268
JULLIEN, P. Interferon synthesis in x-irradiated animals. II, 22:45429
  Production of circulating rat interferon in mice—rat radiochimeras, 25:26995
JULLIEN, Pierre Action of x-rays on leukemogeneisis of mice, 22:51851
  Interferon synthesis in x-irradiated animals. I, 22:598
  Interferon synthesis in x-irradiated animals. III, 23:41238
  Interferon synthesis in x-irradiated animals. IV, 24:7766
JULLIEN, R. Study of ytterbium and ytterbium—barium alloys under high pressure at low temperature, 25:30674
JUMEAU, Daniel Infrared absorption spectrum of potassium chlorate irradiated by x rays, 22:44241
JUMENTIER, C. French research on thermal insulation of nuclear reactors, 23:37491
JUMI, Yoshio Hot-pressing of tantalum carbide. I, 24:42208
JUMP, Barbara J. Transmission technique used for positioning for cerebral blood flow, 24:9887
JUMPER, C. F. Low frequency vibrations of molecular crystals. XIII, 25:31898
JUMPERTZ, E. A. Neutron double diffractometer, 22:14873 (JUL-500-RX)
JUMPERTZ, Eduard A. Measurement problems in neutron diffraction, 22:34779
JUN, C. K. Elastic moduli of niobium carbide and tantalum carbide at high temperature, 25:29970
  Thermal conductivities and total emittances of Ta, W, Re, Ta—10W, T-111, T-222, and W—25Re, 24:34874 (BMBW-FBK-70-1, pp 451-74)
  Thermal conductivity and total emittance at 1500 to 2800°K, 24:8104
  Thermal conductivity and total emittance of W at 1800 to 2800 K, 24:23451 (AD-698357)
  Thermal conductivity and total emittance of W from 1800 to 2800°K, 25:13663
  Thermal conductivity of molybdenum at elevated temperatures: influence of grain size and impurities, 21:6806
  Thermal expansion of niobium carbide, hafnium carbide, and tantalum carbide at high temperatures, 25:42966
  Thermodynamic properties of ternary refractory carbides. I, 24:25791 (AD-700765)
  Thermodynamic properties of ternary refractory carbides. I, 25:24628 (N-71-10740)
  Thermodynamic properties of ternary refractory carbides. I. Zirconium—niobium—carbon, 25:55615
  Thermophysical properties of Ta, W, Re, and their alloys at 1500 to 3000°K, 21:41600
JUN, Choll K. Thermal expansion of polycrystalline graphite, 25:11511
JUN, Choll Kyu Interaction energies in non-stoichiometric Zr/sub x/Nb/sub 1-x/C/sub y/, 22:28813
JUN, H. R. Para-fermions and composite structure, 24:15546
JUN, Jae Shik Counting efficiency for environmental samples, 25:2448
JUN, Moo Jin F-aggregate centers in Na chloride. I, 25:59152
JUNA, J. Angular distribution of neutrons from the reaction ^{7}Li(d,n)^{8}Be at 11.7 MeV, 21:44567 (ZFK-122, pp 195-200)
  Doppler broadening of γ-line from reaction ^{10}B(n,α)^{7}Li (γ 478 keV)^{7}Li, 23:21278 (ZFK-130, pp 226-31)
  Nuclear reaction method for the determination of boron, 23:28767
JUNA, Jaromir Non-destructive determination of boron in metallic alloys by means of a nuclear reaction, 23:24124
JUNAITSEV, A. F. High resolution Cherenkov counter, 24:29568 (NAL-tr-2)
JUNDI, Z. Positronium formation by positron impact on hydrogen, 22:17351
JUNDT, F. Beta decays of ^{11}C, ^{17}F, and ^{18}F, 23:30957
  Beta$^+$ decay of ^{18}Ne, 24:52422
  β^+ decay of ^{25}Al, 25:45979
  β^+ decay of nuclei of mass A = 4n + 2, 24:43214
  Contribution to the study of the doublet of levels at 6.88 MeV in ^{28}Si, 21:23465
  Determination of the parity of the 4.19-MeV level of ^{34}S, 25:31289
  Low-lying states of ^{41}K, 25:50700
  Positron decays of ^{39}Ca and ^{38}K, 23:7256
  Positron decays of ^{43}Ti and ^{38}Ca, 24:13336
  Study of the region of 3-MeV excitation in ^{27}Al, 22:53137
JUNE, M. N. Heavy ion development at TAMVEC, 25:50297
  Integrated ion source gas control and ^{3}He recovery system, 25:50291
JUNEJA, Prem S. Secondary β isotope effect in photochlorination of 2-methylpropane-2-t, 22:18774
JUNEJA, S. L. Cosmic noise absorption measurements in delhi, 25:38174
JUNG, B. Radionuclides produced in man by high energy protons, 21:36552 (AD-636646)
  Radiotherapy and high energy protons, 25:21800
  Roentgen stand for field positioning in high energy radiotherapy, 23:2900
JUNG, Bo High-energy protons in radiotherapy, 23:48171
  Radioactivity of human blood as measure of integral dose from high energy protons, 21:36554 (AD-636648)
  Radionuclide production and effects of nuclear reactions on dose from 193 MeV protons stopped in tissue, 21:34560 (AD-636652)
JUNG, D. Central air-monitoring system for an industrial radiochemical plant,. 24:31565
  Probe with activated-carbon paper filter for air monitoring, 24:27336 (CONF-690540-, pp 197-205)
JUNG, D. H. Cholesterol determination with ferric acetate—uranium acetate and sulfuric acid—ferrous sulfate reagents, 24:48036

- JUNG, E. Determination of the temperature and flow relationships in the interior of a gas centrifuge rotor, 25:54891 (K-Trans-61-5)
- JUNG, E. G. Photoallergy caused by triacetyldiphenolisatin, 22:28687
- JUNG, H. Action of elastic nuclear collisions on infectious DNA of bacteriophage phiX 174, 23:20138
  - Biological effects of elastic nuclear collisions. II, 23:24532
  - Breakup of deuterons with 14.1-MeV neutrons, 22:48445
  - Changes in DNA after exposure to H atoms and gamma radiation, 24:11957
  - Deuteron break-up by 14.1-MeV neutrons, 21:44556
  - Effects of elastic nuclear collisions on biomolecules, 22:25781
  - Fast pulse height discriminator with compensation of rise time and threshold effect, 21:45412
  - Fuel management methods for pebble bed reactors, 23:9167
  - Lack of cystamine protection against action of elastic nuclear collisions, 23:14232
  - Low-resistance voltage divider for photomultiplier, 23:753
  - Low-resistance voltage divider for photomultipliers, 23:35547 (LA-4115-TR)
  - Molecular radiation biology, 25:46721
  - Nonionizing interactions, 25:21589
  - Radioinduced aggregation and the role of disulfide bridges in the inactivation of ribonuclease in aqueous solutions, 23:13782
  - Rapid-pulse-height discriminator with compensation of the time of rise and the threshold effect, 24:21002 (ORNL-tr-1871)
  - Scattering of 14.1-MeV neutrons by ^{16}O and ^{18}O, 24:1749
  - Transcription on irradiated DNA, 24:34090
  - Two suggestions regarding controlled fusion, 23:36733
- JUNG, H. H. Determination of resonance parameters for ^{133}Cs, 23:42942
  - Fast chopper time-of-flight spectrometer at FRG-1 at Geesthacht, 24:23014
  - Lithium glass detector bank for neutron time-of-flight measurements, 23:19982
  - Measurements of neutron-resonance total cross-sections for fission product isotopes, 25:15098
  - Total neutron cross sections of gross fission products, 24:38170
  - Total neutron cross sections of gross fission products, 25:28404
- JUNG, H. R. Phytotron cultivation of Svaloef's bonus barley and its mutant, Svaloef's mari, 23:813
- JUNG, H.-D. Epidemiology of precancerous and malignant tumors of skin. II, 23:29828
- JUNG, Horst Effects of slow protons on infectious DNA of bacteriophage PHIX174, 23:26691
  - Effects of temperature on the radiosensitivity of ribonuclease, 21:20047
  - Inactivation of bacteriophage, DNA, and ribonuclease by thermal hydrogen atoms, 23:31656
  - Inactivation of ribonuclease by elastic nuclear collisions, 22:12818
  - Molecular radiation biology, 24:48405
  - Radiation inactivation of ribonuclease. II, 22:28378
  - Radioinactivation of RNA. III, 22:45423
  - Radioinduced inactivation of ribonuclease at high temperatures and different dose rates, 22:45424
- JUNG, J. Calibration of the Hertzsprung—Russel diagram, 25:30040
  - Distance scale of the near-by classical Cepheids, 24:35019
  - Instrument for the determination of cooling gas humidity in a nuclear power reactor, 24:36665
  - Testing of Zircaloy-steel welded joints, 23:47719
- JUNG, K. Creation of mutations by heavy water (D_2O) in streptomycin-dependent strain of Proteus mirabilis, 22:43287
  - Induction of mutation by heavy water Proteus mirabilis, 23:43730
  - Measurements of double differential cross sections in electron impact ionization of helium and argon, 25:40389
  - Temperature dependence of growth of E. coli B in heavy water, 25:35094
- JUNG, K. S. Studies on the effects of radiation from radioisotopes incorporated into plants. I, 22:36408
- JUNG, Klaus Effect of heavy water on the thermal resistance of microorganisms, 23:22242
- JUNG, L. Startup of fast reactors on ^{233}U fuel, 21:27691 (ORNL-TM-1800)
- JUNG, Lincoln XYPLOT: elementary graphical preparation routine for the CRT plotters, 24:16379 (ORNL-TM-2867)
- JUNG, M. α-particle interactions on C and N targets, 24:52456
  - Cross sections of fragments emitted in spallation reactions of C and N with 90-MeV α particles, 24:15841
  - Cross sections of p and α-particle interactions with C and N, 24:24516
  - Mechanism (α,α') and (α,2α) occurring in the reaction α + ^{12}C $\rightarrow$ 4α at 90 MeV, 25:17761
  - Mechanisms and partial resonances in α + ^{12}C $\rightarrow$ 4 α at 90 MeV, 24:45743
  - Reaction ^{12}C(α,2α), 24:49770
  - Total experimental cross sections of nuclear reactions produced by 90 MeV and 70 MeV alpha particles of ^{12}C and ^{14}N target, 24:49758
- JUNG, Monique Cross sections of reactions induced by 125-MeV protons on C, N, and O nuclei, 22:41976
  - Formation cross sections of fragments with mass greater than or equal to 6 emitted in reactions induced by α particles of 90 MeV in C and N targets, 22:35221
  - Formation of Li and Be nuclear fragments in interactions of 125-MeV protons with targets of C and N, 22:37301
  - Reactions by 90-MeV α particles on C, N, and O nuclei, 22:35239
  - Study of excitation state of ^{6}He and ^{6}Li nuclei produced in nuclear reactions, 22:26804
- JUNG, O. Cobalt in carbides of refractory metals, 24:27881
- JUNG, Otto Influence of stresses on the coercive force, the work of crack formation according to Palmqvist, and the abrasive behavior of hard metals, 25:16573
  - Wear behavior of cemented carbide alloys under different conditions of machining, 25:22156
- JUNG, P. ESR study of free radicals produced by γ irradiation of pyridine, 21:1398
  - ESR study of gamma irradiated binary mixtures of pyridine and methanol, 21:14242
- JUNG, Peter Determination of the anisotropy of the threshold energy for the production of Frenkel defects in Ta, 25:59125 (JUL-729-FF)
- JUNG, Ralph C. Scintigraphic detection of pulmonary bacterial infections with labeled thyroid hormones and pertechnetate, 25:37850
- JUNG, Till Intraoral and intracranial maximum doses with panorama radiography of the teeth and jaws, 21:22453
  - Radiation protection during x-ray photography, 21:34662
  - Radiation protection in dental practice, 21:12876
- JUNG, U. Heat transfer in water with forced circulation, 22:12519 (EUR-3658)
- JUNG, V. Non-linearities and aberrations of corpuscular-optical elements, 25:17659
- JUNG, W. Irradiation of test fuel elements, 24:30959
  - Thermionic nuclear reactor installation for power range 5 to 50 kW(e), 21:30241
- JUNG, Walter Nitride fluorides of Th and Zr, 21:30420
- JUNG, Wun Effectiveness of various radiation sources on the resistivity change in n-type Si, 24:35540
- JUNG. J. Derivation of absolute magnitudes from proper motions and radial velocities. II, 24:10247
- JUNGAR, H. Dose distributions of high-energy electrons, 23:50501
- JUNGBLUT, R. Radiotherapy of Ewing sarcomas, 25:16261
- JUNGCLAUSSEN, H. Analysis of the pulse shape from silicon detectors, 21:24203
  - Isomeric cross section ratio for a spontaneously fissionable isomer /sup 242i/Am, 21:40426 (JINR-P7-3262)
  - Spontaneously fissioning isomer with half-life 10^{-7} sec, 21:10022
- JUNGE, Douglas Electrophysiologic recordings in peripheral nerve heterografts, 22:51933
- JUNGE, H. J. Calculation model for Hall-type electromagnetic plasma accelerators, 23:42350
- JUNGE-HUELSING, G. Changes in rat hearts following selective x-ray irradiation, 23:29799
  - Studies on iodide-induced sialadenitis and ^{131}I activity of the salivary glands, 21:6655
- JUNGE-HUELSING, Gerhard Changes in rat hearts after focal doses of x radiation, 21:45813
- JUNGER, J. M. Concentration of enriched uranium in irradiated MTR fuel elements, 23:36067 (EUR-4243)
- JUNGER, Jean-Marie Machine tool for cutting coaxial tubes of a pressure-tube reactor, 23:38153
  - Oven for processing nuclear fuels, 24:41405
- JUNGERMAN, D. Properties of a coagulase-negative mutant of S. aureus, 24:2623
- JUNGERMAN, J. Polarization in elastic scattering of protons from deuterons from 11 to 22.7 MeV, 23:21255
  - Search for T = 1/2 states in ^{3}He by elastic scattering of protons on deuterium, 22:1592
- JUNGERMAN, J. A. Detection efficiency of a plastic scintillator for 10 to 70 MeV neutrons, 22:6604
  - Elastic alpha-particle scattering at 8.75, 9.35, and 10.15 MeV, 21:27535
  - Elastic scattering of 36.0- and 46.3-MeV neutrons from deuterium, 25:7804
  - Medium-energy neutron facility, 25:12331
  - Precise measurement of neutron—proton total cross section from 25 to 60 MeV, 25:17694
  - Production of medium-energy neutrons from proton bombardment of light elements, 25:45874
- JUNGERMAN, John A. Prog. rpt. on experimental nuclear physics, 21:46725 (UCD-CNL-88)
  - Prog. rpt. on nuclear physics, annual, 8/69—7/70, 25:25629 (UCD-CNL-125)
  - Prog. rpt., on nuclear physics, annual, 8/65 - 8/66, 21:10008 (UCD-CNL-67)
- JUNGGREN, Elisabet Steric isotope effects. II, 22:40066
- JUNGHANS, C. A. Special operating procedure: cell 1 decontamination, 24:19125 (DUN-6075)
- JUNGINGER, H.-G. Model calculation of the electron—phonon coupling parameter lambda, 25:56106
- JUNGINGER, Th. Comparative studies of lymphocytopenic measures, 23:35897
- JUNGK, R. Big machine, 23:30875
- JUNGKLAUSSEN, G. Non-rotational states of odd-mass deformed nuclei in the region 155 less than or equal to A less than or equal to 181, 21:13856 (JINR-E4-3051)
- JUNGLING, R. K. Synthesis of toluene diisocyanate dimer (TDID), 25:54346 (BDX-613-506)
- JUNGNELL, D. Integration of nuclear units in the Swedish power system, 25:53978 (A/CONF.49/P-306)
  - Nuclear power station safety and the responsibility of utilities, 25:53976 (A/CONF.49/P-304)
- JUNGOWSKA, Anna Cerebellar medulloblastoma in children with metastases to the skeletal system, 24:46640 (TT-69-50002/4, pp 429-34)
- JUNGREIS, Ervin Means and method for the detection of uranium, 23:6069
  - Reagents for detection of U, 21:35907
  - Selective estimation of beryllium with morin crayon on the ring oven, 23:19628
- JUNGWIRTH, K. Cyclotron instabilities of a two-component electron plasma, 21:42142
  - Dispersion relation and energy transfer of a wave packet, 23:23223
  - Energy transfer of a quasi-monochromatic wave in an inhomogeneous medium, 22:29494
  - Energy transfer of wave packet in weakly inhomogeneous medium, 25:17244
  - Excitation of waves in magnetoactive plasma by electron beam, 24:40092
  - Gradient instabilities of collisional plasma in curved magnetic field, 23:42342
  - Instabilities of plasma with intense azimuthal streams, 24:8479
  - Kinetic theory of the stability of collisional plasma in curved magnetic field, 24:3399
  - Nonlinear effects and the transformation of wave energy in an inhomogeneous plasma, 22:3091
  - Plasma instabilities excited by an azimuthal electron beam, 22:31872
  - Quasilinear transformation of waves in an inhomogeneous plasma and nonlinear effects, 21:9594
  - Some nonlinear phenomena associated with high-frequency beam—plasma instabilities, 25:38421 (CONF-710607-59)
  - Surface waves of a magnetoactive plasma, 23:12902
- JUNIOR, P. HELAC: helix linear accelerator for heavy ions, 24:49649
  - Possibility of stigmatic images with quadrupole lenses, 21:21327
- JUNIOR, P. H. Low magnetic-field optimization of focusing device in a helix linear accelerator, 24:18347
- JUNIOT, P. Random number generator, 23:47890
- JUNKER, D. Neutron dosimetry with radiation elements, 25:57776
  - Radiation elements for dosimetry of neutrons and mixed radiation, 21:335
- JUNKER, J. Experimental and theoretical studies of a high-beta toroidal pinch, 25:38457 (CONF-710607-16)
  - Experiments with linear l = 1 high-β stellarator on ISAR I, 25:33203 (CTO-742)
  - High-frequency analogue model for measuring magnetic field disturbances in a theta pinch coil, 22:46101 (IPP-1/80)
  - Improved magnetic field symmetry in corrugated theta-pinch coil, 24:3410
  - Inductive lenses for improved magnetic field symmetry in a corrugated theta pinch coil, 23:32485 (IPP-1/89)
  - Investigation of the m = 1 instability of a bumpy theta pinch, 25:49911 (IPP-1/115)
  - Investigations on drift of a plasma ring in a toroidal magnetic field, 22:19942
  - Linear experiment with l = 1 on the high-β-stellerator on ISAR I, 25:22469 (IPP-1/111)
  - Model for measuring magnetic field disturbances in theta pinch coil, 23:39500
  - Plasma displacement due to dipole current near high-beta plasma, 25:27774
  - Plasma losses in a toroidal theta pinch with superposed hexapole, 23:6968 (IPP-1/82)
  - Plasma losses in a toroidal theta pinch with superposed hexapole, 24:47198
- JUNKER, Josef Drift of plasma ring in toroidal magnetic field, 21:11587 (IPP-1/53)
- JUNKER, K. Semiempirical method for determination of the natural flux plane in continuous plates, 21:5610 (EIR-96)
  - UoV, procedure for design calculations of SGHW-type reactors, 24:20641
- JUNKER, Klaus Method for the solution of classical four-body problem with the help of Lie series, 21:21268
- JUNKERMAN, Wolfgang Heat-insulating screening of pressure vessel walls, 24:52912
- JUNKERMANN, W. Pressurized-water reactors in block construction, 21:12163
- JUNKERMANN, Wolfgang Circulating pump for an integral nuclear reactor, 23:31162
- JUNKIN, W. F. Deuteron stripping reactions, 23:13327
  - Linked-cluster expansion for the deuteron optical potential, 22:7779
- JUNKINS, R. L. Reactor releases of radionuclides, 24:9798 (CONF-690303-, pp 133-43)
- JUNKISON, A. R. Compatibility of uranium and plutonium nitrides with stainless steel alloys, 25:32791 (AERE-R-5466)
  - Plutonium chalcogenides, 25:22188
  - Preparation and fabrication of U mononitride, phosphide, and sulfide, 21:20557
  - Thermodynamic properties of U compounds. III, 21:14218
  - Thermodynamic properties of uranium compounds. IV, 22:31470
  - Uranium monophosphide and solid solutions with U monosulphide, 24:40185
- JUNKMANN, B. Particle production in 16 GeV/c π^-p interactions, 24:3542
  - Six-prong π^-p interactions, 23:13040
- JUNKRANS, S. IFA-30 final report, 25:44207 (KAE-68-46)
  - Irradiation behavior and post-irradiation examination of Swedish test assembly IFA-30, 25:20735 (HPR-127)
  - Irradiation behavior of fuel assembly IFA-30, 25:44208 (KAE-68-81)
  - Power increases and fuel defection, 25:54282 (A/CONF.49/P-314)
- JUNOD, A. Specific heat and superconductivity of chromium base alloys with A-15 structure, 25:25045
  - Specific heat, superconductivity, and crystalline order of V based alloys with A15 structure, 24:40016
  - Superconductivity and specific heat of alloys based on Ti_3Sb, 24:15255
  - Superconductivity, density-of-states models, and specific heat of V—Ga and V—Si, 25:47482
- JUNOD, E. Measurement of flux gradient in irradiation cartridge of pneumatic SILOE: thermal neutrons, 21:23722 (NP-16608)
  - Nondestructive determination of chlorine in silica—alumina, 23:17374

JUNOD, Eric Counting of short half-life radionuclides. II, Pt. C, 24:13775 (CEA-R-2980(2))
Program elements for gamma spectrometry and activation analysis, 24:25011 (CEA-R-3955)
JUNOD, P. Electronic and magnetic properties of compounds of lanthanides with anions of 5th group of periodic table, 23:34501
JUNTZ, R. S. Production of massive deposits of alloys by evaporation, 21:36807 (UCRL-70361)
JUO, A. S. R. Soil properties influencing differential Ca to Sr adsorption, 22:27901
JUO, Anthony S. R. Retention of Sr by soils, 24:25113
JUODAKIS, A. Electrical conductivity and superconductivity in γ phase of Tl—Te system, 22:36872
JUPITER, C. Experimental electron shielding studies, 22:36961 (N-68-10702)
Gamma and neutron dose measurements for a thermal tungsten nuclear rocket critical experiment, 21:19448 (GA-6942)
JUPITER, C. P. Applicability of pulsed-source techniques to very far subcritical assemblies, 22:6111
Application of photoinduced reactions to nuclear materials safeguards problems, 23:10997 (GA-8812)
Approach to implementation of nondestructive testing for assay of nuclear fuels, 24:38758
Electron straggling measurements for Be, Al, and Au at 4.0 and 8.0 MeV, 24:19716
Prog. rpt. on nuclear materials safeguards problems, 7—9/68, 23:16062 (GA-9077)
Transport of electrons through thick targets, 21:37520
JUPITER, Clyde Gamma and neutron distribution in a tungsten water-moderated critical assembly, 23:9212
JUPPE, G. Attapulgus clay-catalyzed thermal decomposition of terphenyls, 23:26226
Electron spin resonance studies on radicals produced from organic inclusion compounds by electron bombardment, 23:31365 (EUR-4233)
High dose integrating chemical dosimeters, 22:30587 (EUR-3914(Pt.1))
High dose integrating chemical dosimeters, 22:30586 (EUR-3914(Pt.2))
Radiolytic and pyrolytic decomposition of organic coolants. II, 21:25870 (EUR-3287.e)
Radiolytic and pyrolytic decomposition of organic coolants. III, 21:25869 (EUR-3172.e)
Substituted cycloolefins and partially hydrogenated biphenyls, 23:19745 (EUR-4215)
Thermal decomposition of o-, m-, and p-terphenyl in presence of Attapulgus clay, 21:25816 (EUR-3281.e)
JUPPE, Gottfried Chemonuclear reactors, 23:40417
JURA, George Configuration and energy of defects on surface of molecular crystal, 21:14186 (UCRL-17161)
Relaxation energy of vacancies and impurities in a molecular lattice, 21:21055 (UCRL-16037(Rev.))
JURA, M. Dynamic spectra of pulsars, 24:3076
He$^+$/H$^+$ concentration ratios in H I regions, 25:58630
Periodic intensity fluctuations in pulsars, 23:44085
Time-dependent model of the interstellar medium, 24:51358
JURA, M. A. Halo B star HD 137569, 24:46873
JURA, Z. Apparatus for measurement of ion concentration in the air, 25:54364 (INP-748)
JURAIN, G. Distribution of U and Cu in marine miocene series of the Tage Basin, Portugal, 21:45243
Means and findings of study of radon radioactivity in natural waters, 23:26351 (AEC-tr-7042)
JURAIN, Georges General considerations on the distribution of uranium in granitoid rocks, 21:16023
Problem of radioactive equilibrium in uraniferous minerals, 22:30734
Radioactive equilibrium and determination of U and Ra in uraniferous ores, 24:20907
JURAK, A. Angular distributions of particles generated in nuclear interactions, 22:4471 (INR-794/VI/PH)
Azimuthal angular distributions of secondaries from interactions of cosmic ray particles with emulsion nuclei, 21:33219 (INR-788/VI/PH)
Search for excited baryons in peripheral nucleus—nucleus interactions in nuclear emulsion, 22:11585
Search for excited baryons in peripheral nucleus—nucleus interactions in nuclear emulsion, 22:15671 (INR-P-816/VI/PH)
JURAK, Alina Azimuthal angular distributions of secondaries from interactions of cosmic ray particles with emulsion nuclei, 22:24677
JURASKOVA, M. Factors acting on hematopoietic stem cells in the spleens of irradiated mice, 23:35905
JURASKOVA, V. Effect of humoral factors on spleen-nodule count, 22:556
Effect of irradiation and of cytostatics on the strain cells of blood formation in mice, 22:19413
Incorporation of hydrogen into products of thymine radiolysis, 23:2347
Influence of the interval between intraperitoneal administration of cystamine and irradiation on the ratio of protected to unprotected bloodforming cells, 21:36679
Physico-chemical repair of thymine and deoxyribonucleic acid exposed to ionizing radiation, 23:11929 (AEC-tr-6646/4A, pp 21-4)
Protective effect of cystamine and AET given at various intervals before irradiation, 21:24423
Radiation damage and repair of animal cells, 25:52177 (A/CONF.49/P-554)
Radiation dose and double breaks in DNA, 25:24307
JURASKOVA, Vera Effect of DNA and other humoral factors on recovery of hematopoietic tissue, 23:12137 (AEC-tr-6646/4A, pp 121-5)
Effect of the continuous irradiation of bone marrow on the colony-forming activity and differentiation of the stem cells, 21:22749
Properties of heavily irradiated Ehrlich's ascites tumor cells and their influence on the host, 22:51363
Radioprotective effect of cystamine on hematopoietic stem cells, 21:10950
Study of recovery processes in haemopoietic tissue after irradiation, 25:26678
JURCEKA, F. J. Dual microscope comparator for fission track studies, 24:31712
JURCEVIC, M. Deexcitation of the 662-keV state in ^{137}Ba by the internal Compton effect, 25:28422
Directional gamma—gamma angular correlation in ^{177}Hf, 23:23737
Double electron ejection in decay of ^{137}Ba, 25:31359
Ge(Li)—NaI(Tl) system for gamma—gamma angular correlation measurements, 23:24444
Possibility of finding the α-clustering probability from (n,α) and (p,α) studies, 25:50854
Reactions (n,α) on Te isotopes at 14 MeV, 24:30865
Single neutron states in (n,α) cluster transfer reactions, 24:45780
Telescopic system for study of (n,α) reactions, 24:21013
JURCZAK, Marek Effect of chronic vibration on ^{32}P phosphorus turnover in central nervous system, 21:17980
JURECKA, Jaroslav Short-lived spatial reactor kinetics, 22:50744 (ZJE-23)
JURELA, Z. Analysis of positive ions emitted from metallic targets bombarded by keV ions, 22:26227
Yield of ions of targets bombarded by Ar$^+$ ions of 40 keV, 24:42517
JURET, P. Castration in mammary cancer: surgery or radiation, 21:45730
Influence of administration of lanosterol to Swiss mice following whole-body irradiation, 24:6062
Pituitary ^{90}Y implantations in advanced breast cancer, 24:7973
JURETSCHKE, H. J. Extraordinary Hall effect in paramagnetic gadolinium, 25:27908
Influence of the surface scattering of electrons on the metallic field effect in thin layers, 21:20780
JUREVICS, R. Aspects of the failure of large steel pressure vessels, 23:22518 (RD/B/N-1295)
Aspects of the failure of large steel pressure vessels, 23:43976
JUREWICZ, A. AFST model with π π and π p phase shifts and Durr—Pilkuhn form: factors applied to the reaction π^+ p $\rightarrow$ p 3 π^+ 2 π^- at 8 GeV/c, 25:36503 (INR-P-1265)
AFST model with $\pi\pi$ and πp phase shifts and Duerr—Pilkuhn form factors applied to reaction π^+p $\rightarrow$ p3π^+2π^- at 8 GeV/c, 25:33755
Dispersion analysis of pion photoproduction from nucleons. I, 23:32652
Dispersion analysis of pion photoproduction from nucleons. II, 23:36876
Pole terms in the fixed angle approach to photoproduction of pions on nucleons, 22:3325
JUREWICZ, Andrzej Cadmium-109 sealed sources from EWA reactor, 24:27303
JUREWICZ, Anthony Formation and stability of equilibrating protonated cyclopropane, 23:21719
JUREWICZ, Anthony T. Hydrocarbon forming pathways from amine diazotizations, 23:21766
JURIC, M. Emission of strange particles together with hyperfragments in the interaction of K$^-$ mesons of 1.5 GeV/c with emulsion nuclei, 24:10684
Final state interaction in decay of hypernuclei with A less than or equal to 5, 23:25651
Fission by K$^-$ mesons on Ag and Br nuclei, 24:13370
Light fragments with Z greater than or equal to 4 emitted in the interaction of 1.5 GeV/c K$^-$ mesons with Ag and Br nuclei, 23:13043
JURICA, D. J. High voltage microscopy in paleontological studies-graptolites, 24:41158 (UCRL-19627)
JURICKA, V. Effect of neutron irradiation on mechanical properties of welding A-2 and Mn—Ni—Mo steels, 23:8135 (UJV-2055-M)
Effect of radiation on the mechanical properties of concrete, 25:37007 (ORNL-tr-2470)
Effects of certain metallurgical factors on radiation sensitivity of Mn—Ni—Mo steel pressure vessel A-2, 24:32471 (UJV-2314-M)
Radiation effects on mechanical properties of concrete, 25:23270 (UJV-2390-RT)
JURIEN DE LA GRAVIERE, Marcel Manufacturing of metals and alloys, 25:40008
JURIN, M. Cellular proliferation during acute homologous disease, 24:11982
Parabiosis of CBA parental and (CBA-T6T6 x C57BL)F$_1$ mice, 24:21296
JURISIC, N. Coulomb production method for studying $\pi\pi$ interactions, 25:17492
JURISIC, Nikola Kuhbauch Application of Glauber theory to photon—nuclear interactions, 25:19955
JURIST, John Three models of vibrating long bones, 25:54355 (COO-1422-104)
JURIST, John M. Effects of sodium fluoride on ulnar resonant frequency in elderly women, 25:54359 (COO-1422-109)
Femoral trabecular patterns and bone mineral content, 25:54357 (COO-1422-107)
Measurement of tibial resonant frequency, 25:54356 (COO-1422-106)
Skeletal status in rheumatoid arthritis, 25:54358 (COO-1422-108)
JURKEVICH, I. Light variations of Seyfert galaxy 3C 120, 25:30214
Partial derivatives of eclipse functions α/sup oc/ and α/sup tr/, 24:17430
JURKIEWICZ, J. Helicity crossing relations between the two-body scattering and three-body decay channels, 24:51997
Kinematical singularities of the three-body decay helicity amplitudes, 25:14592
JURKOVIC, V. Cardiac changes in the course of radiation sickness, 21:24583
Changes in hemodynamics in acute radiation sickness, 23:33851
Changes in the effect of digitalis after irradiation, 21:10734
Effects of radiations on experimental arrythmias, 24:34663
JURKOVIC, Vilo Cardiac excitability in the course of radiation disease. II, 21:28372
ECG changes after whole-body irradiation and local irradiation of the heart or head, 21:24581
JURKOWITZ, M. M. Hot pressing of tungsten powder, 21:9119
JURNEY, E. T. Energy levels and configurations in ^{94}Nb, 22:29999
Energy levels of ^{166}Ho, 21:23527
Energy levels of ^{176}Lu, 24:15919
Excitation of levels in ^{235}U, 24:47641
Gamma-ray spectrum from ^{206}Pb(n,γ)^{207}Pb, 21:12059
Level structure of ^{169}Er, 25:5725
Low-lying configurations in ^{210}Bi, 25:36787
Nuclear levels in ^{142}Pr, 22:50612
Nuclear levels in ^{177}Lu and ^{175}Lu, 25:28424
Study of the levels in ^{140}La using the ^{139}La(n,γ)^{140}La reaction, 25:7882
Thermal neutron capture facility, 21:19470 (LA-DC-8335)
JURNEY, Edward T. Levels in ^{239}U, 21:2737
JUROW, J. Vacuum system for Stanford storage ring, SPEAR, 24:52256 (SLAC-PUB-797)
Vacuum system for Stanford storage ring, SPEAR, 25:25594
JURRIAANSE, A. Composition of TTA-nitro complexes of Cs, 23:11623
JURRIAANSE, Aart Separation of californium from curium and berkelium from cerium by extraction chromatography, 21:25945
JURROW, Joseph High energy particle beam dump and heat sink, 21:19129
JURS, P. C. Analog computer controlled gamma spectrometer, 24:62
Analog computer controlled gamma-ray spectrometer for comparative activation analysis, 24:46505
Statistics applied to minimizing activation analysis counting errors, 21:45046
JURSIK, I. Gadolinium-155 levels excited by decay of ^{155}Tb, 22:24856 (JINR-P6-3695)
JURSIK, J. Analysis of γ—γ coincidence spectra measured in ^{155}Tb with Ge(Li) detectors, 23:15451
Decay of ^{131}La, 22:44684 (UJV-2036)
Decay of ^{131}La, 22:50655
Decay of ^{132}La, 21:12060
Decay scheme of ^{155}Dy, 23:40070
Gadolinium-155 levels excited in decay of ^{155}Tb, 23:49420
Gamma radiation of ^{135}Ce, 22:3704
Two-quasi-particle states at 1095 keV and 1543 keV in ^{168}Er, 21:4312
JURSIK, M. L. Application of atomic absorption to determination of Al, Fe, and Ni in same U-base sample, 21:1249 (NLCO-987)
Application of atomic absorption to the determination of Al, Fe, and Ni in the same uranium-base sample, 22:14460
Atomic absorption methods for the determination of microgram quantities of ruthenium in uranium materials and of zirconium in uranium and thorium matrices, 24:18873 (NLCO-1047)
JURUBESCU, V. Biostimulative effect of irradiated chrysalys meal on piglet development, 21:9047
JURY, J. W. Angular distributions of fast photoneutrons from thirteen elements, 23 less than or equal to Z less than or equal to 82, 22:44656
Anisotropy of fast photoneutrons from chromium, 23:3988
Ground state photoneutron angular distributions in giant resonance of ^{16}O, 24:52463
Photoneutron angular distribution measurements, 24:27401
Photoneutron spectra from ^{141}Pr and lead, 24:47644
JURY, S. H. Fabrication of an improved frost-point hygrometer sensing element, 22:21384 (ORNL-TM-2123)
JURYSKA, R. Dichroism of β-rhombohedral boron in absorption edge region, 25:33465
JUSICK, A. T. D-region electron concentration, 24:5089
Electron impact cross sections for atmospheric species. I, 21:37113
JUSKIEWICZ, A. Control of Be during impact tests, 22:6515 (SC-TM-67-827)
Use of respirators and methods of determining face fit, 21:39405 (SC-RR-67-461)
JUST, F. H. Control system for trace heating on EBR-II secondary Na piping, 22:50698 (ANL-7433)
JUST, G. Measuring effective renal plasma flow by means of whole-body clearance of ^{131}I-hippuric acid, 25:26825
JUST, L. Argonne reactor computation system, ARC, 23:47340 (CNM-R-2(Vol.3), pp 1428-45)
JUST, L. C. Conversion of the Argonne Reactor Computation (ARC) System to control data 6000 and 7000 series equipment, 25:57140 (CONF-710302-(Vol.1), pp 464-71)
Recent developments and capabilities in ARC system, 23:40439 (CONF-690401-, pp 337-43)
System aspects and interface data sets of the Argonne Reactor Computation (ARC) System, 25:46337 (ANL-7711)
JUST, Richard Dosimeter for measuring neutron and gamma radiation, 23:20021
JUST, S. Radiation effects in isolated DNA and their functional consequences. IV, 25:29465
Radiation effects in isolated DNA and their functional consequences. V, 25:29466
JUST, T. Determination of foil thickness by backscattering of fast electrons, 22:41311
Influence of inelastic scattering on anomalous electron transmission in gold foils, 24:39817
Temperature dependence of anomalous electron transmission in Au foils, 23:23300
JUST, W. Interactions of 1.5 GeV/c K$^-$ mesons with emulsion nuclei, 21:25244

  Interactions of 1.5 GeV/c K^--mesons with emulsion nuclei, 21:9956 (DESY-66/23)
JUSTER, C. F. Flux synthesis methods for the transport equation using the SMT, 24:7284
JUSTICE, Bruce H. Electronic and thermodynamic properties of Ce, Tm, and Lu oxides, 23:8300 (CONF-681020-(Vol.2), pp 821-32)
  Thermophysical properties of the lanthanide oxides. IV, 23:17438
JUSTICE, O. L. Radioinduced changes in plant respiration during germination, 21:22781
  Survival of two storage fungi after gamma radiation of host seeds, 21:3455
JUSTICE, Oren L. Some effects of gamma radiation on germination and storage life of seeds of eight crop species, 25:21989
JUSTIN, D. Description of pairing vibrational states, 24:43580
  Description of pairing vibrations with the generator coordinate method, 23:44986
JUSTIN, F. Containment for the EL4 reactor and projected heavy-water, gas-cooled plants, 22:18451
JUSTUS, C. G. Response of winds in the 90- to 140-km altitude region to variations in solar activity, 24:51549
JUSZCZAK-DZIUNIKOWSKA, K. Pion production mechanism in high multiplicity π^+p interactions at 8 GeV/c, 25:45746 (INP-755)
JUTISZ, Marian Radioimmunoassay of ovine FSH, 25:16049
JUTSON, J. A. High temperature oxidation of an Fe—Cr—Al—Y alloy in CO_2, 22:43534
  High temperature oxidation of Fe—15Cr—4Al—1Y in CO_2, 22:23716 (RD/B/N-1006)
  Oxidation study of Ni—Cr—Fe alloys in carbon dioxide at 800 to 1000°C, 21:28724
JUTZE, George A. Atmospheric sampling of fine particulate matter by filter media, 21:26005
JUUL, F. A. Radiosterilization of medical supplies, 22:52082
JUUL, Flemming Basis of choice of dose for radiation sterilization of disposable equipment, 21:20456 (RISO-140)
JUUSELA, J. Dependence between specific surface area and reduction conditions of uranium dioxide, 24:19505
JUVANCIC, V. Effect of some dietary additives on Ca and Sr absorption, 24:2564
JUVET, Richard S. Jr. Gas chromatography, 22:25274
  Gas chromatography, 24:26971
  Quantitative gas chromatographic analysis of metals, alloys, and metal oxides, carbides, sulfides, and salts, 21:2947
JUVINA, E. Activity of some thymic extracts on hepatic nucleic acids and β-glucoronidase in thymus of irradiated mice, 23:26699
JUVINALL, R. A. Sand-bed filtration of aerosols: a review of published information on their use in industrial and atomic energy facilities, 25:29315 (ANL-7683)
JUZA, R. Thorium—nitrogen compounds, 23:28805
  Uranium nitride chlorides, bromides, and iodides, 24:41280
JUZA, Robert Nitride fluorides of Th and Zr, 21:30420
  Thorium nitride halogenides, 24:38883
  Uranium nitride bromides and uranium nitride iodides, 21:30421
JUZNIC, K. Fallout analysis of atmospheric water precipitations. II, 22:27551
JUZOVA, Z. Temperature conditions in the support skirt of a nuclear reactor pressure vessel, 23:49524 (ZJE-46)
  Thermal conductivity of the support skirt of the nuclear reactor pressure vessel, 22:1829
JYO, A. Kinetic study of oxidation of Am(III), 25:20971
  Oxidation of Am(III) with ammonium peroxydisulphate, 25:41785
JYOTHI, S. Geometric foundations of nuclear shell structure, 24:15998
JYSSUM, Kaare Radiation mutability from Neisseria meningitidis, 23:20153
JYSSUM, Sidsel Radiation mutability from Neisseria meningitidis, 23:20153

K

KAACK, B. Augmentation of bioelectric activity by gamma irradiation, 21:43526
  Effect of beta irradiation on ganglionic bioelectric activity, 22:10714
  Effect of beta irradiation on oxygen consumption, 24:31845
KAAE, J. L. Driving forces for pore growth and swelling during irradiation, 23:36168
  Irradiation-induced creep of pyrolytic carbon, 24:14984
  Irradiation-induced dimensional changes and creep of isotropic carbon, 25:35585
  Poisson's ratio of pyrolytic carbon, 24:17365
  Prediction of the irradiation performance of coated particle fuels by means of stress-analysis models, 24:4856 (GA-9613)
  Prediction of the irradiation performance of coated particle fuels by means of stress-analysis models, 25:52481
  Properties of silicon carbide relevant to its performance as a coating for high temperature nuclear fuel particles, 23:4459 (GAMD-8415)
  Relations between the structure and the mechanical properties of fluidized-bed pyrolytic carbons, 25:49542
  Stresses in four-layer carbon—silicon—carbide-coated fuel particle, 23:46133
  Stresses in pyrocarbon- and silicon carbide-coated fuel particle, 23:16536
  Structure and mechanical properties of isotropic pyrolytic carbons deposited below 1600°C, 25:13757
KAALEN, J. G. A. H. Influence of the dose per fraction on radiation damage to the myelum, 25:52245
KAALEN, M. C. A. C. Protection against ionizing radiation at cellular level, 23:20284
KAALHUS, Olav Comparison of the reactivities of dry and mobile electrons, 25:39550
  Monopole excitations in ^{16}O by inelastic electron scattering, 23:34726
KAARLELA, W. T. Refractory metal brazing alloy development, 21:9112
KAARTINEN, M. Monte Carlo method for generating peripheral events, 24:26381
KAARTINEN, N. H. Combustion apparatus, particularly for preparation of samples for radioactive isotope tracer studies, 25:44407
KAAZ, H. W. Differential effect of chronic dose of gamma irradiation on shrubs in Northern Mojave Desert, 24:17012 (UCLA-12-761)
  Effect of a chronic exposure to gamma radiation on shrub Ephedra nevadensis in northern Mojave Desert, 25:35249
  Mortality rates in irradiated rodent populations, 21:28595 (UCLA-12-634)
KAAZ, Howard W. Intrinsic rate of natural increase of irradiated Peromyscus, 23:16390
KABA, E. L. Fast extraction in fuel processing, 21:32232
KABACHENKO, A. P. Application of magnetron type ion source in on-line electromagnetic separator, 22:47399 (JINR-P13-3953)
  Description and performance of an electromagnetic mass separator, 21:354
  Gas discharge ion source for an electromagnetic separator operating on-line with a heavy ion cyclotron, 23:30857 (NP-tr-1781)
  Gas discharging ion source for the electromagnetic mass-separator on-line with the heavy ion cyclotron, 23:529 (JINR-P13-4061)
  Gas-discharging ion source for electromagnetic mass-separator on-line with heavy ion cyclotron. II, 23:17022 (JINR-P13-4219)
  Identification and study of radioactive properties of Bi isotopes using electromagnetic mass-separator on heavy ion beam, 25:15023
  Modification of the electromagnetic mass-separator on line with a heavy ion cyclotron, 25:44506 (BMBW-FBK-70-28, pp 59-67)
KABACHENKO, A. S. Influence of proton and gamma radiation on the mitotic activity of an inoculated culture of human cells, 21:16533 (JPRS-38272, pp 120-1)
KABACHNICK, N. M. Difference between proton and neutron distributions in nuclei, 24:52644 (ISS-69/34)
KABACHNIK, N. M. Elastic and inelastic magnetic scattering of electrons on light nuclei, 21:2801
  Electroexcitation of ^{32}S in region of dipole resonance, 25:28220 (UJV-2553-F)
  Electroexcitation of ^{32}S in region of dipole resonance, 25:45983
  Excitation of giant resonance levels of ^{16}O in electron scattering, 22:35248
  Information on short-range nucleon—nucleon correlations and Woods—Saxon nuclear potential from high-energy elastic electron scattering, 24:35828
  Photodisintegration of ^{16}O nucleus, 22:1610
  Quasi-elastic high-energy electron scattering on light nuclei, 23:28336
  Resonance mechanism of muon capture by complex nuclei, 23:52169 (JINR-E4-4601)
  Semischematical model of the coupling of the particle—hole and 2 particle—2 hole states in the continuum, 21:46807
  Short-range correlations and high-energy electron scattering, 24:52431
  Unified description of inelastic and quasielastic electron scattering from nuclei, 25:59869
KABACHNIK, Nikolai M. Difference between proton and neutron distributions in nuclei, 25:20544
KABADI, M. B. Preparation of carrier-free ^{64} ^{67}Cu nuclides by liquid—liquid extraction, 23:13749
KABAEV, V. P. Slowing down capacity nickel for protons and He_2^+ ions in energy range from 20 to 95 keV, 21:28999
KABAKCHI, A. M. Determination of dose value for products of nuclear reaction $^{10}B(n,\alpha)^7Li$, 21:22157
  Determination of radiation yield of nitrite ions during irradiation of sodium nitrate solutions with small doses, 25:8297
  Determination of the radiation yield of nitrite ions in the irradiation of sodium nitrate solutions in the small-dose region, 25:18463
  Effect of ionizing radiation on aqueous solutions of potassium nitrate, 22:42731 (RFP-Trans-36)
  Effect of kind and energy of irradiation on radiolysis of polypropylene, 25:13055
  Effects of dose rate on the formation of unsaturated hydrocarbons in the gamma-radioinduced thermal cracking of n-heptane, 23:35219
  Electron beam dosimetry by triacetate films, 22:12657
  Kinetics of the low-dose radiolysis of concentrated aqueous acidic solutions of sodium nitrate, 25:54657
  Measurement of absorbed doses of heavy charged particles and gamma-neutron radiation with cellulose diacetate films, 23:35223
  Radiation copolymerization of unsaturated polyesters with monomers, 22:40599
  Radiation modification of polymers, 23:43371
  Role of the surface of silica gel in the radiochemical transformations of adsorbed hydrocarbons, 23:40784
  Separate determination of fast neutron and gamma-radiation doses by polymer films, 24:503
KABAKCHI, S. A. Appearance of H^+ ions in irradiated liquid water, 25:34668
  Compensational effect in the pulsed radiolysis of crystalline ice, 25:31976
  Confirmation of the presence of mono-molecular reactions during the radiolysis of aqueous oxygen solutions, 25:8295
  Evidence of the occurrence of monomolecular reactions in the radiolysis of aqueous solutions of oxygen, 25:18476
  Kinetic and spectral studies of primary species in pulse radiolysis, 24:27167
  Kinetics of polaron decay in pulse radiolysis of crystalline ice, 25:163
  Radiolysis of water containing hydrogen peroxide, hydrogen, and oxygen, 22:33423
  Theory and methods of radiation chemistry of water, 23:33219
KABAKOV, E. N. Behavior of components of bone marrow after irradiation, 22:47617
  Bone marrow destruction as a quantitative criterion of radiation injury. I, 21:36728
  Cytoplasmic budding of lymphoid cells and hematogenesis in irradiated rats, 25:44939
  Lymphocyte saturation of mouse and rat marrow by local irradiation, 21:34791
  Nature of the plateau of photoreactivation of yeast cells, 22:26000
  Number of epithelial cells as measure of the radiation damage and regeneration of the small intestines, 25:35220
  Possibility of using photoreactivation as a model of postradiation restoration, 21:443
  Use of sodium arsenate to determine times for potential injuries of Saccharomyces vini, 22:26002
KABAKOV, Y. N. Factors influencing clasmatosis in vivo: observations of periodicity of clasmatosis in lymphocytes and hematopoietic recovery after irradiation, 25:55321
KABAKOVA, N. M. Dependence of postirradiation recovery of yeast cells on their ploidy, 22:25872
  Influence of fractionated irradiation of the survival of yeast cells, 24:39590
  Survival of irradiated yeast cells, 24:17170
  Use of sodium arsenate to determine times for potential injuries of Saccharomyces vini, 22:26002
KABANKOVA, N. A. Corrosion and electrochemical behavior of Zr alloy in water and steam, 25:49367
KABANOV, A. N. Effect of geometric parameters of a triode electron gun on the magnitude of the cutoff potential, 22:52504
  Measurement of the mean free path of fast electrons, 25:56281
KABANOV, G. L. Luminescence of the air caused by fast electrons, 24:46518
KABANOV, L. Heat and mass transfer as related to corrosion product deposition, 25:57034
KABANOV, L. N. Design of an energy analyzer of charged particles focused by a longitudinal magnetic field, 23:52097
  Energy analyzer for charged particles focused by a longitudinal magnetic field, 24:38039
KABANOV, V. A. Effect of complexing agents on polymerization of allyl monomers, 21:17662
  Effect of complexing agents on the polymerization of allylic monomers, 21:23997
KABANOV, V. Ya. Effect of radiation on adhesion of polymer coatings on aluminum, 21:26931
  Effects of matrix backing on orientation of grafted chains in liquid-phase radioinduced copolymerizations, 24:16600
  Radiation graft-copolymerization of glycidyl methacrylate to polyethylene, 21:40916
KABANOVA, T. S. Wrought magnesium-base alloy, 23:27084
KABARA, Jon J. Determination of total fatty acids in biological samples, 23:13651
KABARDIN, O. F. Azimuthal telescope for cosmic-ray registration, 23:41001
KABARDINA, S. I. Azimuthal telescope for cosmic-ray registration, 23:41001
KABAS, G. Amorphous polyamide from terephthalic acid and branched diamines, 21:17658
KABASAKAL, Y. Inner-bremsstrahlung spectrum of ^{55}Fe, 23:37181
KABASAKAL, Yurdanur Hyperfine structure of ^{67}Ga and ^{72}Ga, 23:1836
KABASHEVA, G. N. Determination of rate constant of branching reaction in rarefied H flame by isotope exchange, 24:18954
KABASHIMA, Shigeharu Electron spin resonance in Ti-doped VO_2, 24:24172
KABAT, J. F. Effects of silica in autoclave test water on steam corrosion of Zircaloy, 22:28736 (KAPL-M-6748)
KABAYAMA, Sukeaki Internal oxidation of Ag—Cd alloys, 25:16406
KABCHNIK, N. M. Resonance mechanism of muon capture by complex nuclei, 24:52685
KABE, S. Quasi-free electron scattering on ^{12}C and ^9Be, 24:52415 (INSJ-122)
KABE, Seiji Calibration of beam monitors, 25:33886 (INS-TH-66)
KABELE, T. J. Corrosion product radioactivity in FFTF and other reactor systems, 25:5986
  Corrosion product study by scanning electron microscope, 24:4713 (BNWL-1184)
  Dispersion of corrosion products from a film-forming metal exposed to an aqueous stream, 24:962
KABELE, Thomas J. Corrosion-product study by scanning electron microscopy, 23:36014
  Effects of the fluid regime on the deposition of iron corrosion products, 23:36016
KABELE, Thomas Joseph Deposition of corrosion products from an aqueous stream, 24:8059
KABENIN, V. N. Effect of excitation energy on yields and kinetic energies of fragments at fission of ^{239}Pu by neutrons, 25:36754
KABESHEVA, E. T. Spectrographic determination of tungsten in tungsten—molybdenum alloys, 25:34516
KABI, A. Free radical reactions in cyclohexane irradiated at 77°K, 23:19762
  Gamma radiolysis of aqueous solutions of aryl alkyl amines, 23:275

  - Gamma-radiolysis of ferrocene in cyclohexane and of aqueous solutions of ferricinium sulfate, 21:5951
  - Gamma-ray inactivation of trypsin in solution, 24:16574
  - Ionising radiations and organometallic compounds, 23:49830
  - Radiation-induced inactivation of trypsin-inhibitor systems, 22:520
- KABIEV, O. K. Experimental study of combined action of chemotherapeutics and x-rays upon mucous liver cancer RS-1, 24:34706
  - Role of chinons in the radiomodifying action of flavonoids and chinoids, 24:34411
- KABILOV, N. M. Effect of laser radiation on teeth and soft tissues of the oral cavity, 22:40938
- KABIR, P. K. Can CP invariance be saved, 23:25673
  - Electroproduction of intermediate bosons, 22:24616
  - Eta asymmetry without C nonconservation, 23:23519
  - Graphical representation of CP-nonconservation parameters in K^0 decay, 24:28578
  - Isobars in the deuteron, 25:38758
  - Muon flux deep underground and the question of strong W-interactions, 25:14735
  - Nuclear reactions initiated by recoil nuclei, 25:59814
  - Nucleon polarization transfer in high-energy electron scattering, 24:12994
  - Possible charge asymmetry in radiative tau^{+-} decays, 23:34633
  - Possible CP-noninvariant effects in $\pi\pi\gamma$ decay of charged K mesons, 21:17149
  - Possible CP-noninvariant effects in $\pi\pi\gamma$ decay of neutral kaons, 21:44336
  - Possible restriction on CP-noninvariance in K^0-decay, 21:17150
  - Questions raised by CP-nonconservation, 24:28577
  - Remark on T and PCT, 23:25665 (CERN-69-7, pp 307-8)
  - Superweak interactions and TCP invariance, 25:14761
  - Symmetries of the weak interactions, 22:11702
  - Tests of T and TCP invariance in K^0 decay, 23:8725
  - The cp puzzle: strange decays of the neutral kaon, 22:39347
  - Two-body decay of the neutron, 21:31571
  - Unitarity and TCP invariance in $K^0 \to 2\pi$ decay, 22:41834
  - Unitarity and the phase of the mixing parameter in superweak theories, 24:40335
  - What is not invariant under time reversal, 24:45559
- KABIR, S. M. Effects of voids on diffusion length and streaming of neutrons in water, 22:11882
- KABIR, Syed M. Humayun Effects of gamma radiation on egg and larval stages of rice weevil, 25:13558
- KABISCH, William T. Phagocytosis of colloidal ThO_2 and Co_3O_4 by reticuloendothelial system of rat, 21:3394
  - Phagocytosis of colloidal thorium dioxide and cobaltic oxide by the rat, 23:26648
- KABLER, M. N. Recombination luminescence from self-trapped excitons in ammonium halide crystals, 23:8680
  - Spectrophotometric system for transient observation of solids under pulsed electron irradiation, 23:45595
- KABRAL, Kh. I. Structure and wear-resistance of dense alloys of TiC—Ni—Mo type, 25:16594
- KABSCH, W. Spin assignment for 4.28-MeV level in ^{48}Ca, 24:13322
- KABULOV, D. T. Effect of repeated gamma radiation on yield [of cotton], 21:36753
- KABURAGI, Hiroshi Construction of Fukushima Nuclear Power Station, 23:33016
- KABUTO, Hideaki Thomson scattering of ruby laser light by shock wave plasma, 21:20936
- KABYASHI, Tetsuji Catheter semiconductor radiation detector, 24:12193
- KABYSHEVA, V. I. Purification of iodine by filtration of its melts, 25:44419
- KAC, M. History-dependent random sequence defined by Ulam, 24:20665 (LA-4289)
- KAC, Mark Mathematical mechanisms of phase transitions, 23:5366
- KACAKI, J. Recovery effect of DNA injected into irradiated mice and rats, 21:45732
  - Recovery effect of heterologous deoxyribonucleic acid from various organs on irradiated mice, 21:396
- KACENA, V. Chemical effects of decay of incorporated radioisotopes, 24:31436
- KACENA, Vladimir Chemical changes of sulfur atoms in silver chloride doped with sulfide—^{35}S and sulfate—^{35}S, 22:16614
  - Chemical effects of $^{35}Cl(n,p)^{35}S$ nuclear transformation in Ag chloride, 21:24051
- KACER, Oldrich Interindividual variability in stress response of leucocyte levels, 24:46653
- KACH, A. Z. Administration of unseparated solution of uranium fission products to rats by inhalation, 25:6609 (AEC-tr-7169, pp 55-66)
  - Behavior of strontium and rare-earth elements in the organism, 25:6615 (AEC-tr-7169, pp 180-98)
  - Effect of EDTA on behavior of Sr and rare earth elements in an organism, 22:8479
  - Inhalation inoculation of rats with unseparated solution of U fission products, 22:8538
- KACHALIN, V. A. Time—amplitude converter for the nanosecond range, 25:29341
- KACHALOV, O. N. Powerful sources of high-voltage feed of injectors and questions of voltage stabilization, 22:24249 (AD-666140)
- KACHAN, A. A. Comparison of radiation and photochemical crosslinking of polyethylene, 22:27817
  - Kinetics and mechanism of radiochemical and photochemical grafting of acrylonitrile to polyamide fibers, 22:14543
  - Radiochemical crosslinking of polyolefins in the presence of sulfur monochloride, 22:14544
- KACHAN, O. O. Effect of photosensitizers on radiation-chemical crosslinking of polyethylene, 21:40890
- KACHANOV, V. A. Gas threshold Cherenkov counters for separation of particles in bunched beam from IHEP proton synchrotron, 23:45523
  - Production of antideuterons by 43 GeV, 52 GeV, and 70 GeV protons, 24:5244
  - Search for particles with charge $-^4/_3$ (diquarks) at the IHEP 70 GeV accelerator, 25:40873
- KACHARAVA, N. F. Effects of ultraviolet radiation on the photosynthesis in heliophilous and shade-tolerant plants, 21:4885
- KACHAYNIK, O. I. Hot rolling of Ti—Al—Nb alloy, 23:27031
- KACHELHOFFER, J. Determination of $^{14}CO_2$ in expired air, 25:6625
- KACHEN, G. I. Laser beam filtering by saturable dyes, 25:31747 (UCRL-51008)
  - Measurement of energy deposition in laser-produced plasmas, 23:46487 (UCRL-50708)
- KACHER, Henry F. Preliminary designs of space power nuclear reactor shields, 25:1943 (N-70-32250)
- KACHI, S. Electrical properties of V_8O_{15} single crystal, 25:9580
  - Phase equilibria and thermodynamic properties in V/sub n/O/sub 2n-1/ system, 25:29952
- KACHI, Sukeji Phase equilibria study on V/sub n/O/sub 2n-1/ system, 24:19516
  - Shear structure of V/sub n/O/sub 2n-1/, 24:46795
- KACHIKIN, V. I. Miniature instrument for measurement of mean total radon concentration, 21:10683
- KACHINSKII, V. N. Growing single crystals of refractory metals and Hall effect, 21:45871
- KACHKOVA, V. G. Assessment of irradiated chicken meat, 22:52107
  - Effect of foods pasteurized by gamma radiation on white rats, 24:23411 (ORNL-tr-2307)
  - Effect of irradiated food rations on rat, 24:4708
  - Hygienic assessment of chicken meat irradiated with pasteurizing doses of γ-rays, 25:13624
- KACHKOVSKAYA, E. T. Thermal decomposition of nitrides of some transition metals in air, 24:27045
- KACHOROVSKAYA, I. B. Changes in Na, K, Ca, Zn, and Cu blood content following radiation therapy, 22:45436
  - Dosimetric substantiation of the procedure involving bi-axial pendulum x-ray therapy in malignant tumors of the uterus, 21:10897
- KACHOUKEEV, N. T. Research with the IRT reactor at Sofia using fission fragment dielectric track detectors, 25:44657
- KACHULEV, V. Exposure to superhigh-frequency electromagnetic fields, 24:2686
- KACHUR, E. V. Effect of microinhomogeneity on the critical points of superconducting alloys, 21:25089
- KACHUR, L. A. Early disturbances of water metabolism through lung barrier of animals by irradiation, 21:22339
  - Kinetics of ^{32}P accumulation and determination of the dose in the brain by bremsstrahlung, 21:3386
  - Kinetics of ^{32}P accumulation and determination of the dose in the brain by bremsstrahlung, 22:21429
- KACHURIN, G. A. Bombardment of thin CdTe films with indium ions, 21:37592
  - Doping of gallium arsenide by the implantation of zinc ions, 25:45546
  - Doping thin CdTe layers by method of ion bombardment + table of contents, 23:25424 (CONF-650995-1)
  - Irradiation of thin layers of CdTe by Cd ions, 21:37563
  - Kinetics of formation of ion phases during ionic bombardment, 22:52858
- KACHURINA, N. A. Radiosensitizing effects of methyl ethyl ketone diperoxide, 21:39448
- KACHUTA, Sizutomo Statistical observations on clinical examinations of atomic bomb survivors. III, 22:15046
- KACINSKAS, H. Study of loading of EBR-II electric power system, 24:349 (ANL-EBR-5)
- KACKALOV, V. A. Radioactive source and method of manufacture thereof, 24:5957
- KACKER, S. C. Estimation of friction factor of rough surfaces from the pressure distribution around a roughness element, 25:54873 (RD/B/N-1967)
- KACKSTEIN, K. G. Requirements and production problems with HTR graphite components, 24:38483
- KACL, K. Influence of x radiation and mustard gas on erythrocytes, 23:9848
- KACPRZAK, Z. Construction of ion source power supply system for Van de Graff accelerator "LECH", 24:20266 (INR-1134)
- KACSER, C. Discontinuities of the triangle graph as a function of an internal mass. II, 21:7473
  - Watson's theorem when there are three strongly interacting particles in the final state, 22:50363
- KACZANOWSKA, J. Inactivation of DNA by UV, HNO_2, low pH, and nitrosoguanidine, 24:31907
- KACZAROWSKI, R. Decay scheme of ^{233}Pa, 25:38978 (INR-P-1232)
  - Decay scheme of ^{233}Pa, 25:59798
- KACZKOWSKI, J. Influence of D_2O on wheat gluten dispersions, 23:24184
- KACZMAR, U. Automatic compensation for fluorescence extinction in liquid scintillators, 22:14794
- KACZMARCZYK, Aniela Zinc alloys containing beryllium, 21:41559
- KACZMARCZYK, J. Electron motion in homogeneous electric and magnetic fields, 24:20039
- KACZMARCZYK, N. Counting efficiency dependency on temperature of ^3H- and ^{14}C-samples in liquid scintillators, 23:43520
  - Methods for quench correction in liquid scintillation counting, 21:45380
  - Parameters at liquid scintillation counting, 24:20987
  - Quench correction by the gain ratio method and compensation of the activity dependency on scintillator volume, 23:24453
  - Volume response of the efficiency factor with a liquid scintillation counter, 23:2591
  - Windowless measurement of counting rate at liquid scintillation counting, 23:623
- KACZMAREK, F. Plasma generation at solid surfaces in a giant pulse ruby laser beam, 21:7277
- KACZMAREK, Maria Radioisotopic exchange in $[Cr(C_2O_4)_3]^{3-}$—$^{14}C_2O_4^{2-}$ system, 25:46480
- KACZMAREK, W. Determination of the radial intensity distribution of radiation in cylindrical plasma, 22:41572
- KADA, T. Mutability of E. coli K12. II, 24:50855
  - Radio-sensitization with halogenated purines and pyrimidines, 25:24205
  - Radiosensitization by potassium iodate and related compounds, 23:38901
- KADA, Tsuneo Radiosensitization with I compounds. III, 25:46726
  - Radiosensitization with iodine compounds. II, 24:48525
  - Radiosensitization with iodine compounds. I, 24:50765
- KADABA, P. K. Dielectric relaxation in chloroform and in binary dipolar mixture: benzonitrile + acetonitrile, 22:12178 (ORO-2840-6)
  - Dielectric relaxation in the mixtures: benzonitrile + propionitrile, benzonitrile + acetonitrile and in aniline and anisole, 22:14388 (ORO-2840-5)
- KADABA, Prasad K. Prog. rpt. on rotation and Debye relaxation spectra of dipolar compounds in the microwave region, 3/1/61—10/31/67, 22:16363 (ORO-2840-4)
- KADAKIA, Ashvin S. Dynamic evaluation of reactor core support structures, 24:45988
- KADANER, E. S. Investigation of phase diagram of Al—Mg—Zr, in the region rich in Al, 24:10099
  - Phase diagram of Al-base alloys, 23:30062
  - Silicon diffusion in zirconium and aluminum, 22:17136
  - Structure and properties in Al—Y rich in aluminum, 24:27797
  - Study of phase equilibria in the aluminum—copper—yttrium system, 25:55561
- KADANER, L. I. Obtaining Ru foils for nuclear research and investigation for Ru, Rh, and Pd deposits, 22:24767
- KADANER, Z. S. Solubility of rare earth metals in solid state aluminum, 23:22537
- KADANOFF, L. P. Green's functions and superfluids, 23:5362
  - Long-range order in superfluid helium, 21:18551
  - Scaling laws for Ising models near critical points, 21:46403
- KADANOFF, Leo P. Anomalous electrical conductivity above the superconducting transition, 23:1343
  - Fluctuation enhancement of the electrical conductivity above the superconducting transition, 24:10483
  - Transport coefficients of He, 23:8554
- KADAR, I. Electron capture decay of ^{54}Mn, 24:49838
- KADAR, Imre Spray current regulating system for slow voltage-stabilization of Van de Graaff generator, 21:42499
  - Spray current stabilizer circuit for pressurized van de Graaff generator, 25:20222
  - Theoretical and experimental results on internal bremsstrahlung accompanying electron capture, 25:59885
  - Time-to-amplitude converter, 25:42213
- KADASHEVICH, V. I. Magnetic beta spectrometer system for automatic measurement of internal conversion electron spectra, 23:29211
- KADAVANICH, K. Use of quasilinearization for the identification of nuclear reactor parameters, 21:38498
- KADAVANICH, Kunjara Identification of nuclear reactor parameters through spaced reactivity insertions, 22:7933
- KADDAH, Malek T. Cesium and rubidium fixation in vermiculite and hydrobiotite, 22:42850
  - Cesium uptake by sudangrass seedlings, 22:33745
- KADECKA, Vincenc Simple anticoincidence device, 21:4703
- KADECKOVA, S. Anomalous transmission of resonant γ rays of ^{57}Fe by single-crystal Fe + 3 percent Si, 24:45367
  - Bragg scattering of Moessbauer gamma radiation by an ideal crystal, 23:8671
- KADEK, V. M. Gamma radiation effects on the aluminum surface properties, 21:45971
  - Technique of corrosion and electrochemical investigations in the reactor under irradiation, 25:22126
- KADEMOVA, K. Realizations of Lie algebras, 24:18237
  - Realizations of Lie algebras with parafield operators, 24:49554
- KADEMOVA, K. V. Lie algebraic structure of a new field quantization, 25:25493
  - New parastatistics in field theory, 25:22895
  - Spin-half particles with an infinite maximum occupation number, 25:20079
- KADEMOVA, Krasimira V. Mass formulas in P/sub u/ group, 22:24711
- KADEN, W. Influence of oxygen on the mechanical properties of zirconium—copper alloys, 22:38593
  - Oxygen diffusion barriers between UO_2 and Zr—Cu alloys, 24:51159
  - Oxygen embrittlement of Zr—Cu alloys, 24:34849
- KADEN, Werner Welding process with x-ray control of weld quality, 21:14399 (WAPD-Trans-46)
- KADENATSI, B. M. Bulk and surface in radiation—catalytic processes, 23:11581
  - Catalytic and chemisorption processes induced by ionizing radiation, 24:37542
  - Radiation-catalytic activity of diamond and graphite, 24:38960
  - Radiation-catalytic transformation of methanol in the adsorption layer on silica gel samples varying in specific surface area, 21:34290
  - Radiation-induced catalytic conversions, 21:12476
  - Radiation-induced degradation of aluminium and magnesium hydroxides, 22:6314 (LB/G-2621)
  - Radiolysis of Fe oxalate by means of γ resonance spectroscopy and derivativography, 22:33419

KADERABEK, E. Course of phase transformation and grain refinement in low percentage alloys of uranium with iron, aluminum, and silicon, 25:49454 (UJV-2526-M)
Techniques for melting and casting of uranium and its dilute alloys, 22:45756 (UJV-1994)
KADERAVEK, F. Physiologic reactions following large dose infrared radiation, 25:4715
KADEREIT, H. G. Continuous film memory cell for superconductive associative memories, 22:12702
Investigations on trapped flux in cryogenic continuous film memory cells, 21:4651
Resistance measurements in the incorporation of vacuum residual gases in the evaporation of thin gold and nickel layers, 21:34436
Superconducting continuous-film memory cells, 22:31738
KADEV, R. K. Relativistic theory of annual parallaxes, 23:25070
KADHIM, Mazin A. H. Measuring the electrothermal efficiency of a 50-Hz plasma torch, 24:15299
KADIAN, George Management of thyroid problems in the geriatric patient, 21:28542
Radioiodine therapy for toxic nodular goiter, 21:24507
KADIC, M. Reduction of the absorption and retention of strontium in rats, 21:39434
KADIJK, F. Non-stoichiometric phases Nb/sub 1 + x/Se$_2$ and Ta/sub 1 + x/Se$_2$, 24:32495
System niobium—sulfur, 24:2963
KADIS, A. L. High-altitude gun probes, 21:7075 (AD-633920)
KADISH, Abraham Drift mode free plasmas, 24:21813
Exponential stability of nonuniform guiding center plasma, 21:33493
Fundamental solution for the linearized guiding-center equations, 22:26390
Stability of guiding-center plasmas in a sheered magnetic field, 21:42136
KADISH, Sidney P. Localized aplasia in irradiated vertebral bone marrow, 25:52238
KADISON, R. V. Nets of C*-algebras and classification of states, 24:26454
KADISON, Richard V. Energy momentum spectrum of quantum fields, 21:19060
KADKIN, E. P. Scattering of 14-MeV neutrons by Fe, 25:56707
KADLA, Z. I. Globular cluster M 13 and field stars, 23:5193
KADLEC, J. Characteristic frequencies, normal and expansion functions, and damping of transverse vibration of fuel rods in Na 1 study, 23:43118 (KFK-923)
Experimental investigation of loop caused influences on parallel flow-induced vibration of fuel pins, 25:44119 (EURFNR-923)
Experimental investigation of loop caused influences on parallel flow-induced vibration of fuel pins, 25:48249 (KFK-1385)
Flow induced rod vibrations of fast reactor subassemblies, 25:15370
Flow induced temperature and pressure pulsations in rod bundles, 24:43734 (EURFNR-784)
Flow-induced fuel rod oscillation, 24:43761 (EURFNR-745)
Fuel element oscillations caused by hydrodynamic forces of the cooling medium, 24:18651 (KFK-964, Sect. 4.1-15)
Investigations of natural frequencies, normal functions, expansion functions, and damping of transversely oscillating fuel rods in Na-1 study, 24:13550 (EURFNR-653)
Method for the experimental investigation of the natural frequency of the normal and expanded function as well as the attenuation of the transverse fuel rod vibration, 22:44922 (KFK-731)
Method for the experimental investigation of the vibration states of fuel rods induced by coolant flow, 24:26772 (KFK-1082)
Natural frequencies, normal, and expansion functions and damping of transversely oscillating fuel rods, 23:9236 (EURFNR-529)
Radiation experiment on a model of a finned tubular fuel element. I, 25:27267 (UJV-2371.R,T.)
Radiation experiment on tubular fuel element with finned surface. II, 25:57050 (UJV-2551-RT)
World power reactors in 1969, 23:40282
KADLEC, V. Absolute measurement of activity of threshold detectors and evaluation of fast-neutron flux in core, 22:21321 (ORNL-tr-1843)
Determining reactor spectra of fast neutrons from threshold detector measurements, 25:37109 (UJV-2423-RF)
Improved measuring efficiency of fast neutron detectors, 21:17821 (UJV-1546)
Increase of the detection efficiency in the use of sulfur as a fast neutron detector, 22:21320 (ORNL-tr-1842)
Integration of fast neutron fluxes by activity of ^{54}Mn produced in irradiated steel samples, 22:23268 (UJV-1885)
Integration of fluxes of fast and slow neutrons with Ni foils, 21:38162 (UJV-1600)
Various measurements of integral currents of fast neutrons by means of 2-20 LET activation method, 21:14441 (UJV-1601)
KADLEC, Vladimir Neutron monitoring (25 keV), 24:9658
Use of Ni-integrators of neutron fluxes, 24:485
KADLECEK, J. A. Temperature dependence of the effective resonance integral of thorium oxide rods, 22:17190
KADLECOVA, D. Kinetics of glucoronization under normal and pathological conditions, 25:6603
Rectal radioiodide test for the diagnosis of liver metastases, 24:7947
Treatment of malignant tumors with high doses of TS 160 and/or high doses of ionizing radiation, 25:21785
KADLECOVA, L. Extraction of Sr and Ca into nitrobenzene, 23:38038
Separation of alkali metals by extraction chromatography with dipicrylamine and nitrobenzene, 22:40031
KADMENSKII, S. G. Alpha decay and nuclear interactions, 25:3725
Alpha decay of spherical nuclei, 25:36747
Alpha-particle clustering in light nuclei, 21:25590
Green's function method in theory of stripping, 21:25571
Optical potential of compound nuclei, 21:44769
Optical potentials and elastic scattering of t and ^{3}He, 25:3769
Optical potentials of composite particles, 24:13438
Polarizability and elastic scattering of α particles, 23:5957
Stripping reactions with two transferred nucleons and polarizability of t,^{3}He, 25:15192
Stripping with two nucleon transfer, 22:14097
KADNER, M. Emitter with carbide fuel for a thermionic converter, 22:24089 (DLR-MITT-66-07, pp 49-67)
Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. I, 21:7044 (BMwF-FBK-66-28(Pt.1))
Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. II, 21:27029 (BMwF-FBK-66-29(Pt.2))
Study on the application of tracer systems to localize failed fuel elements, 21:14117
KADO, R. T. Radioisotopic color scanning of pulmonary aeroemboli, 23:2879
KADOBAYASHI, Sanjuro Adrenal cortex of rabbits following whole-body x irradiation, 22:31233
KADOI, Hajime Electrical conductivity of γ-irradiated solid monomers at low temperature, 25:2221
KADOKAWA, Masayoshi Gamma-ray exposure in environment due to ^{41}Ar cloud, 24:34343
Studies on an environmental monitoring system for the radiological disasters due to a reactor accident, 25:39273 (JAERI-1193)
KADOMSKAYA, K. P. Effectiveness of spark connection for reactors designed for limiting internal surges, 22:14610
KADOMTSEV, B. B. Atoms in a superstrong magnetic field, 25:35644
Cyclotron instability and abrupt plasma density decreases, 23:32469
Diffusion of plasma in toroidal systems, 24:35376
Diffusion of toroidal discharge plasma, 21:732
Dissipative instability based on trapped particles in a dense plasma, 23:51687
Dissipative trapped-particle instability in a dense plasma, 24:3389 (UCRL-Trans-10378)
Electric conductivity of a plasma in a strong magnetic field, 22:13467
Electrical conductivity of a plasma in a strong magnetic field, 22:19974 (NP-tr-1623)
Finite amplitude helicons, 24:40133
Flute instability of a plasma in toroidal geometry, 21:16953
Hall effect in plasma oscillations, 25:30544 (IAE-1950)
Heat transfer in plasma due to instability at locked-in electrons, 24:10562
Heavy atom in an ultrastrong magnetic field, 24:35217
Landau damping and the echo in plasma, 22:44136
Molecules in an ultrastrong magnetic field, 25:35645
Nonlinear oscillations of drift waves in an inhomogeneous plasma, 24:6565
Nonlinear waves, 25:33327
Pinch-effect instability at low density, 25:1233
Plasma confinement in toroidal traps with destructed magnetic surfaces, 21:25108
Plasma confinement in toroidal traps with destructed magnetic surfaces, 25:33204 (MATT-Trans-40)
Plasma diffusion in stellarators, 23:51591
Plasma instabilities and controlled thermonuclear reactions, 21:18769
Plasma instability and controlled thermonuclear reactions, 22:9397
Plasma instability on trapped particles in a toroidal geometry, 21:9631
Research on controlled thermonuclear reactions in the USSR, 25:33314 (AEC-tr-7185)
Stabilizing plasma in adiabatic traps, 24:30354
Stationary Tokamak, 25:38500 (CONF-710607-81)
Trapped particles in toroidal magnetic systems, 25:22480
Turbulence in toroidal systems, 24:37485
Turbulent processes in toroidal systems, 21:29295 (CLM-Trans-11)
KADONO, Yoriko Chemical modification of fibers by the graft copolymerization of reactive monomers. I, 21:21999
KADOTA, Hajime Germination-induced repair of single-strand breaks of DNA in irradiated B. subtilis spores, 23:50335
Repair of radiation damage to deoxyribonucleic acid in germinating spores of Bacillus subtilis, 25:46714
KADOTA, Kazuo Separation of cerium-group rare earth elements by ion exchange, 23:7622
KADOTA, Tsuyoshi p—p scattering matrix in the GeV-energy region. I, 24:8680
p—p scattering matrix in the GeV-energy region. II, 24:8681
p—p scattering matrix in the GeV-energy region. III, 25:41025
KADOTANI, H. THRUSH: code for calculating thermal neutron scattering kernel, 25:25608 (JAERI-Memo-4211)
KADOTANI, Hiroyuki Coherent scattering of slow neutrons from heavy water, 22:20431
Crystal binding effect of UO$_2$ on effective resonance integral, 24:28684
Estimation of crystal binding effect of UO$_2$ on the effective resonance integral, 21:17271
Natural U—light water exponential pile. III, 24:11278
Thermal neutron spectra in homogeneous media. I, 24:52380
KADOTANI, T. Aberrant karyotypes and spontaneous abortion in a Japanese family, 24:32141
KADOUM, A. M. Morphological abnormalities resulting from radiofrequency treatment of larvae of Tenebrio molitor, 22:10847
Mortality and internal heating in radiofrequency-treated larvae of Tenebrio molitor, 22:8607
KADOUM, Ahmed M. Metabolism in Tenebrio molitor following exposure to radiofrequency electric fields, 22:8608
KADOYA, S. Protection of ocean and atmosphere from contamination by radioactive waste disposal, 25:51607 (A/CONF.49/P-250)
KADOYA, Shozo Incinerators for inflammable radioactive wastes. I, 24:31647
Instrumentation and operation of radioactive waste treatment facilities at the JAPC Tokai power station, 22:16794
Method for measuring the concentration of radioactive cesium in sea-water, 23:4529
Mist removal in evaporation—condensation of radioactive liquid wastes, 22:6372
Radioactive effluent treatment plant, 22:6373
Radioactive liquid waste decontamination tests with a packed-type evaporating tower, 21:22120
Radioactive-waste treatment facilities, 22:51209
KADUKHIN, G. F. Finding N(h) profile by computer techniques, 25:2974
KADYK, J. A. Interactions K$^+$p near 1 GeV/c, 22:50296 (UCRL-18323)
K$^+$p interaction from 864 to 1585 MeV/c, 24:51972
LAMBDAp scattering for p/sub Λ/ = 300 to 1200 MeV/c: preliminary results, 24:47374 (CONF-690557-(Vol.2), pp 852-61)
Λp interactions in momentum range 300 to 1500 MeV, 25:22675
Study of Λ-nucleon interactions in deuterium, 25:1396 (UCRL-20077)
KADYK, John A. Energy dependence in K/sub e3/^{0} decay form factor, 21:40141
Experimental uses: ions and protons, 22:46591 (UCRL-18103, pp 120-6)
Interactions K$^+$d near 1 GeV/c, 23:7088 (UCRL-18322)
Interference effects in the reaction $K^+ + p \rightarrow K + N + \pi$ at 1.2 Bev/c, 21:2385
K$^+$p interaction from 864 to 1585 MeV/c, 24:3543
Low energy K$^0_2$—proton interactions, 22:13670
KADYKENOV, M. M. Device for studying Moessbauer effect, 22:14841
KADYKOV, B. I. Phasic changes of thermoregulation in rabbits during total x irradiation, 21:4878
KADYKOVA, G. N. Phase transformations in alloy 65BT, 25:36051
Phase transformations in superconducting alloy 35BT, 25:49470
KADYKOVA, S. Equipment for short-lived isotope production in proton beam of synchrocyclotron, 22:26736 (JINR-P6-3773)
KADYROV, N. B. Isotopic composition of U and Ac content in minerals, 23:29001
Isotopic composition of uranium and actinium in minerals and natural waters, 23:93
Isotopic composition of uranium and the content of actinium in minerals and natural waters, 25:34738
Origin of Pacific Mn nodules based on radioisotope content, 25:51652
KADYROV, R. B. Debuncher of the JINR synchrophasotron injector with modulation of the accelerated beam energy, 25:56586 (JINR-P9-5956)
KADYROVA, M. K. Biological effects of ionizing ^{60}Co radiation on the preimaginal stages of mosquito Culex Pipiens Pipiens Linn, 21:13094
KADYSHEVICH, E. A. Optical activity of α-quartz irradiated by fast neutrons, 24:23544
KADYSHEVSKII, V. G. Difference hypergeometric equations and relativistic Coulomb problem, 22:48372 (JINR-E2-3948)
Equation for the relativistic scattering amplitude, 21:46591 (ITF-67-7)
Geometric derivation of mass formulas for the SU(3) symmetry, 22:9661
High lepton symmetry and W boson, 22:9651
Higher orbital states in the framework of symmetry theory, 22:1466 (ITF-67-10)
Hypergeometric difference equations and Coulomb relativistic problem, 23:27774
Inhomogeneous SL(6) group with an expanded subgroup of translations, 22:13786
Mass formulas in the theory of unitary symmetry, 21:42422
Problem of dispersion sum rules, 21:25348 (JINR-P2-3198)
Quantum field theory with non-euclidean space of relative momenta, 25:30938 (JINR-P2-5717)
Quasi-potential approach and the expansion in relativistic spherical functions, 22:32220
Quasi-potential method in the relativistic two-body problem, 24:49616
Quasipotential equation for relativistic harmonic oscillator, 25:52979
Quasipotential type equation for the relativistic scattering amplitude, 22:39495
Regge trajectory splitting and relations between high energy cross sections, 21:27342 (JINR-P2-3251)
Relativistic quasi-potential equation in the case of particles with spin, 22:32221
Relativistic three-dimensional equations for the two-body problem in the unequal mass case, 23:3658 (JINR-E2-4030)
Relativistic two body problem and finite-difference calculus, 22:46532 (JINR-E2-3949)
Relativistic two-body problem and finite-difference calculation, 23:18768
Representation for relativistic scattering amplitude at high energies, 25:9749 (JINR-E2-5341)

Representation for the relativistic scattering amplitude at high energies, 25:36601
Schroedinger difference equation for two relativistic particles in the simplest cases, 22:46533 (JINR-E2-3950)
Schroedinger's difference equation for two relativistic particles, 23:25707
Symmetry group ISL(6) as a covariant generalization of SU(6) group, 22:13784
Three-dimensional formulation of the relativistic two-body problem and infinite-component wave equations, 24:37962
Three-dimensional relativistic equations for system of two particles with unequal masses, 24:40466
KADYSHEVSKY, V. G. Quasi-potential equation for the relativistic harmonic oscillator, 25:5405 (JINR-E2-5339)
Regge-pole exchange in classical physics and in nonrelativistic quantum mechanics, 22:26729
KADZHAYAN, A. S. Postradiation decrease in the death rate of mice by grape lipopolysaccharides, 24:17064
KADZHOYAN, R. H. Film oxides of rare earth elements, 23:27706
KADZIELA, W. High frequency generator for intracerebral thermal stimulation, 23:41164
KADZIKIEWICZ, Teodora Induction of auxotrophic mutation in Streptomyces erythreus IA 64-575, 25:26699
KAEFER, Etta Effects of ultraviolet irradiation on heterozygous diploids of Aspergillus nidulans. I, 24:4601
Effects of ultraviolet irradiation on heterozygous diploids of Aspergillus nidulans. II, 24:39593
uv-sensitive mutants increasing mitotic crossing-over in Aspergillus nidulans, 24:664
KAEGI, I. Sulzer monotube generator for nuclear power station, 24:22378
KAEGI, J. Heat exchangers and turbo machinery for a nuclear power plant, 23:28545
Important steam generator types in nuclear power plants with indirect cycle, 22:37454
Method and apparatus for temperature control of a reactor, 23:6005
Nuclear reactor plant, 22:35519
Principal designs of steam generators for indirect-cycle nuclear power plants, 25:8113
Problems in the Swiss nuclear industry, 24:46399
KAEGI, Jacob Nuclear reactor plant, 21:2860
KAEGI, Jakob Apparatus for controlling a nuclear reactor plant, 22:48782
Method of controlling a nuclear reactor plant, 21:2859
Method of heating working medium in the heat exchanger of a nuclear reactor installation, 22:3953
Nuclear reactor and surrounding steam generator, 23:9141
Nuclear reactor plant, 23:1997
Nuclear reactor plants, 22:39845
KAEHI, Hirotake Quantitative measurements of radioactivity deposited in internal organs, 24:31705
KAEHLER, Helmuth Numerical calculation of the intensity for a given source function, 23:10341
KAEHLER, W. Laser welding structural alloys and parts, 24:12384
KAEHN, H. D. Fermi-surface topology information from superconductivity measurements, 23:46433
KAELBLE, Emmett F. Handbook of x-rays: for diffraction, emission, absorption, and microscopy, 22:5454
KAELIN, W. Steam generators of Fort St. Vrain Nuclear Power Plant, USA, 25:25956
KAELLEN, G. Gradient terms in commutators of currents and fields, 23:34640
Radiative corrections in β-decay, 23:16960
Radiative corrections in nucleon-β-decay and electromagnetic form factors, 21:15283
Radiative corrections in weak interactions, 23:31094
Radiative corrections to β-decay and nucleon form factors, 21:18959
Radiative corrections to weak interactions, 22:48264
KAELLEN, Gunnar Attempt to calculate radiative corrections to a pure Fermi decay, 21:42694
Gradient terms in commutators of currents and fields, 25:30954
Radiative corrections in elementary particle physics, 23:34557
KAELLEROE, K. E. New type of reactor containment of prestressed concrete, 23:31103 (CONF-681101-38)
KAELLIS, Joseph Unsteady coupled high flux-mass, momentum transfer with a moving boundary, 25:37156 (ANL-7797)
KAELLNE, Elisabeth Electron interaction in transition metal x-ray emission spectra, 24:49260 (UUIP-702)
X-ray emission spectra of VC/sub x/, NbC/sub x/, TaC/sub x/, and ZrC, 23:46553 (UUIP-620)
X-ray emission spectra of VC/sub x/, NbC/sub x/, TaC/sub x/, and ZrC, 25:30267
X-ray study of inner level shifts and band structure of TiC and related compounds, 23:15766 (UUIP-608)
KAELLNE, J. Excited states of ^{40}Ca, 25:28255
Inelastic scattering of 185 MeV protons from ^{31}P and ^{32}S, 25:48060
Neutron pickup reactions in ^{9}Be, ^{12}C, and ^{28}Si induced by 185 MeV protons, 24:10934
Polarization of 3^- level in ^{40}Ca, 25:28256
KAELLSTROEM, Krister Texture and anisotropy of zirconium related to plastic deformation, 25:13655 (NP-18625)
KAELLSTROEM, O. Krister Closed end burst testing of Zircaloy canning tubes, 23:22547
KAEMMEL, Thomas A. S. Historical aspects of the geochemistry of multivalent elements in deposit formation, 22:47250
KAEMPF, Guenther Structure and properties of ABS polymers. IV, 25:21020
KAEMPF, H. Development of fuel elements for fast breeder reactors, 22:53273 (EURFNR-472)
Effects of different types of void volumes on the radial temperature distribution of fuel pins, 24:38646
Heat transfer in fuel cans with pellet fuels, 22:2294 (KFK-604)
Influence of internal geometry on radial temperature distribution of fast breeder fuel elements, 23:4217 (EURFNR-532)
Influence of the internal geometry on the radial temperature distribution of fast breeder fuel elements, 22:44825 (KFK-751)
SATURN code, 24:7364
SATURN code: theoretical analysis of fuel pin behavior and fuel void dynamics, 24:33484 (KFK-1088)
Temperature distribution in fuel elements, 22:33094 (KFK-700(Pt. IV))
Theoretical and computer analysis on the behavior of fast reactor fuel pins and related parts of the core under operational conditions, 23:4233
Theoretical and computer analysis on behavior of fast reactor fuel pins, 23:21482 (EURFNR-610)
Treatment of mechanical and thermal behavior of fuel pins in Saturn 1, 25:54319
KAEMPF, H. G. Practical results on fast reactor oxide fuel pin development and modeling activities, 25:34367
KAEMPFFER, F. A. Vierbein field theory of gravitation, 22:15848
KAEMPGEN, H. Photoproduction of neutral pions on H, 24:15448
Photoproduction of neutral pions on hydrogen at photon energies between 200 and 440 MeV, 24:49303
KAENZIG, W. Color centers in ammonium halides, 21:25198
Isotope effect in the paraelastic relaxation, 24:24170
KAEPPELER, F. Measurement of fission cross section of ^{235}U at 440- and 530-keV neutron energy, 25:23020 (EURFNR-880)
Measurement of fission cross-section of ^{241}Pu relative to ^{235}U, 25:15107
Measurement of the fission cross sections of ^{239}Pu and ^{233}U relative to ^{235}U, 24:43321
KAEPPELER, H. J. Investigation of Alfven waves in a plasma-filled wave guide, 21:20978
Torsional Alfven waves in inhomogeneous plasmas, 22:39059 (CONF-670840-1)
KAEPPNER, Werner M. Electron microscopic observations on cellulose graft copolymers, 22:23032 (AECL-2706, pp 29-49)
KAERCHER, K. H. Action of DMSO on skin irradiation, 22:51837
After effects of the reactions of various radiations with rabbit ear cartilage, 22:51335
Amino-sugar estimations as a method for distinguishing between lung damage caused by tumors and by radiation, 22:49572
Clinical experimental examination during electron therapy of malignant melanomas, 22:51336
Efficacy of additional shielding in telecobalt therapy, 25:26779
Electron therapy of malignant struma, 22:51729
Endolymphatic radioisotope therapy with ^{32}P in malignant diseases of lymphatic system, 25:44861
Enzyme activity in experimental radiobiology and clinical radiology, 24:50755
Enzymological examinations: an indication of radiation effects in experiments and clinical practice, 25:42409
High single-dose irradiation, 24:27714
Hyperbaric chamber and first clinical results at Heidelberg, 24:14565
Irradiation of large surfaces with high-energy beams, 25:13538
Irradiation planning for megavolt therapy of lymph nodes, 25:13535
New radiotherapeutic aspects in the treatment of tumors in long bones, 25:13537
Observation of irradiation of experimental tumors with fast electrons (electromicroscopy), 22:51901
Problems of individual dose height in fractionated radiation, 24:887
Research in field of relative biological effect of fast electrons, 21:30906
Results of experimental investigations on the dose fractionation problem, 22:2481
Study of dose fractionation in high-energy electron therapy, 21:8833
Supplemental treatment during radiotherapy and cytostatic treatment, 21:28521
Treatment of local and generalized radiation side-effects, 24:46623
Treatment of the radiation injury of the skin, 23:22331
KAERCHER, Karl Heinz Enzymatic and scintigraphic changes during radiotherapy of liver metastases, 23:38872
Experimental studies during radiotherapy under excess oxygen pressure, 22:40749
Functional and morphological changes in rat kidneys after local irradiation, 21:10766
Reaction of connective tissue constituents Mucopolysaccharide after effects of ionizing radiation, 21:45757
Significance of biochemical studies on connective tissue during radiotherapy. II, 21:26532
KAERLE, H. Recrystallization behavior of sintered tantalum, 22:49763
KAERN, M. Radioisotopes used in pharmacy. I, 21:28464
KAESTLE, F. L. Nuclear power for large industry, 23:9181
Nuclear power: its potential for aluminum reduction, 23:9097 (NP-17709)
Nuclear power: its potential for aluminium reduction, 23:9617
KAESTNER, F. New virtual and analogue states in ^{47}V, 25:59752
One case history of posttraumatic intrahepatic bile cyst with secondary rupture, 25:546
p/sub 3/2/ analogue state in ^{51}V, 25:5651
KAESTNER, H. Electron capture ratio P/sub L//P/sub K/ of ^{56}Ni and ^{57}Ni, 22:5807
KAESTNER, P. C. User's manual for two-dimensional axisymmetric transient heat conduction material ablation computer program, 25:28883 (SC-DR-70-510)
KAESTNER, R. Decay (Ω-forbidden) of 4.1 μs isomeric state in ^{170}Tm, 21:46751
Fuel element monitoring in Rheinsberg nuclear power plant reactor, 24:45861
Low-lying energy-level scheme of ^{179}Hf, 21:5553
Omega-forbidden transition in ^{172}Tm, 22:16027
Study of ^{175}Yb by the (n,γ) reaction, 21:46739
Study of ^{179}Hf by the (n,γ) reaction, 21:46738
KAESTNER, Rudolf Selection rules for electromagnetic transitions with spin-flip in deformed odd-odd nuclei, 21:30032 (ZfK-Pha-26)
KAETSU, Isao Radiation-induced curing of prepolymers of some condensation systems, 23:26286
Radiation-induced polycondensation of furfural in the presence of alkyl halide, 25:18430
Radiation-induced solid-state polymerization in binary systems. V, 21:36037
Radiation-induced solid-state polymerization in binary systems. IV, 21:45174
KAEUFFER, J. L. Direct numerical reduction of mass spectra in isotopic analysis, 24:18894
KAFALAS, J. A. Magnetic properties of europium: pressure and impurity effects, 25:27874
KAFALIEVA, D. I. Spectra of photoconductivity of green leaves and chloroplasts at a frequency of 10^{10} cycles per second, 25:10412 (UCRL-Trans-1427)
KAFANOVA, T. A. Electrophysical properties of niobium films produced and annealed in a very high vacuum, 25:55507
KAFAROV, A. A. Effect of geometric parameters of a triode electron gun on the magnitude of the cutoff potential, 22:52504
KAFATOS, Fotis C. Computer method for analysis of radioactivity data from single- and double-labeled experiments, 25:37315
KAFATOS, Minas C. Fossil Stroemgren spheres from supernova explosions, 25:49629
KAFENGANZ, N. L. Influence of h-f pressure oscillations accompanying heat-exchange on convective heat transfer, 23:43463
KAFENGAUZ, N. L. Destruction of pipes by high-frequency pressure oscillations during heat transfer, 22:2302
Effect of the dimensions of the fuel element of the heat transfer at supercritical pressures, 25:54880
Study of heat transfer in the initial part of a tube at high thermal fluxes, 24:25206
KAFER, E. Twin spots as evidence for mitotic crossing-over in Aspergillus induced by ultra-violet light, 22:8511
KAFFIEV, Yu. N. High-energy scattering of charged particles and bethe formula, 25:9704 (NP-18540)
KAFFRELL, N. Decay of ^{163}Tb, 25:53804
Decay studies on short-lived neutron-rich nuclides from (n,p) reactions, 24:28767 (CONF-680461-7)
Digital windows for γ—γ coincidence measurements with semiconductor detectors, 22:28075
Evidence for four-quasiparticle state in deformed nucleus ^{164}Dy, 25:17880
Heavy isotope of protactinium, 23:17119
Some studies on neutron-rich nuclei, 25:28326 (CERN-70-30(Vol.2), pp 985-1000)
KAFFRELL, Norbert Decay of ^{163}Tb, 22:50650
KAFIANI, C. A. Redistribution of K^+ in eggs of Misgurnus fossilis, 23:45670
KAFIANI, K. A. Effect of x irradiation on synthesis of RNA, 21:22724
KAFIEV, Yu. N. Scattering of charged particles at high energies and Bethe formula, 25:5334
KAFKA, P. Belgonucleaire and Siemens PWRs for small and medium power reactors, 25:28717
Experimental results on acoustic detection of sodium and water boiling, 25:37052
Gravars, 24:30121
Investigation of the heat and flow system characteristics of large light-water power reactors, 22:25004
Research and development work for Obrigheim Nuclear Power Station, 25:12704 (BMBW-FBK-70-11)
KAFKA, Peter How to count quasars, 21:11373
New developments in cosmology, 22:34154
Quasars, 22:45911
KAFKA, W. Problems in the production of large-volume magnetic fields for fusion reactors, 25:7412 (IPP-4/70)
KAFKA, Wilhelm Plan of a superconducting alternating current cable, 23:40931
KAFRISSEN, E. Vertex renormalization in Dirac potential scattering, 21:21313
KAFRISSEN, Edward Some applications of renormalization theory to relativistic bound-state problems, 23:13127
KAFTAL, S. Iodine-131 determination in gaseous atmosphere of L54M reactor, 22:25102
KAFTANDJIAN, V. Effect of electron—cesium ion radiative recombination on the intensity of spectral lines of cesium, 21:37424
KAFTAN-KASSIM, May A. Survey of high-frequency radio radiation from planetary nebulae, 23:14476
KAFTANOV, V. K/sub L/—K/sub S/ regeneration in copper, 22:50303
Observation of time-dependent K/sub S/ and K/sub L/ interference in the $\pi^+\pi^-$ decay channel from an initial K_o state, 22:44310
Phase difference between K/sub L/ and K/sub S/ decay, 23:23344
KAGA, Hideharu Quality control of concrete by a neutron moisture meter, 23:1066
Quality control of concrete using a neutron moisture gauge, 25:52493
KAGAMI, Hiroo Initial Sr isotopic composition in granites, 24:9498
KAGAMI, Kazuo Mass spectrometry of sulfur hexafluoride, 23:11418

KAGAMI-ISHI, Yoshiko Temperature dependence of mortality rate of radiosensitive strains of E. coli and S. cerevisae, 24:48749
KAGAN, A. R. Malignant histiocytosis, 23:9999
Radiosensitivity of in vivo mouse bone marrow cells, 25:52215
KAGAN, A. Robert Changes in transverse cardiac diameter following mediastinal irradiation, 24:2752
Comments on morbidity in present-day radiotherapy, 25:58077
Evaluation and management of radiation-induced pericardial effusion, 23:33748
Extended irradiation in Hodgkin's disease, 23:26952
Pericardiectomy for radiation-induced pericarditis with effusion, 24:34424
Radiation-induced remissions in chronic lymphocytic leukemia, 21:45680
KAGAN, A. S. Structure of ZrO_2 with Sc additives, 23:48563
KAGAN, M. S. Content of radon, Ra, U, and mesothorium I in mineral waters, 21:36114
KAGAN, Yu. Concerning a bound neutron in matter, 24:42825
Dynamical treatment of x-ray's thermal diffuse scattering, 22:52851 (IAE-1476)
Gamma rays emitted by nuclei in crystals, 25:30690
Interference of electron production and photoeffect for Moessbauer γ rays, 24:12907
Temperature variation of the resonance level width and shift on motion of a particle in a crystal, 21:18826
Theory of channeling effects. I, 24:24119
Theory of resonance Bragg scattering of γ quanta on regular crystals, 22:38736
Theory of the vibrational spectra of hexagonal metals, 24:3467
Theory of vibrational spectrum in hexagonal metals, 24:10619
KAGAN, Yu. M. Collective Coulomb excitation of nuclei in a regular crystal, 21:23581
Concerning the change in electron energy distribution in moving striations, 23:18631
Continuous spectrum of He for medium-pressure plasma diagnostics, 24:26159
Contracted high-frequency discharges in argon, 22:50139
Diagnostics of a plasma in a magnetic field with thin cylindrical probes, 23:10621
Effective number of ionization and recombination events in the positive column, 25:36136
Electron energy distribution in a high-frequency discharge, 24:37455
Energy distribution of electrons in the positive column of an argon discharge, 21:23171
Investigation of a hollow-cathode discharge. II, 21:7286
Investigation of axial and radial inhomogeneities in a hollow cathode helium discharge, 21:29250
Langmuir paradox, 23:18602
Measurement of electron energy distributions in the presence of oscillations, 24:45224
Measurement of the electron energy distribution function in a noisy plasma, 21:29216
Multiple scattering of slow electrons in gases. II, 22:2812
Positive column of neon discharges at average gas pressures. II, 23:23116
Positive column of neon discharges at average gas pressures. I, 23:23146
Positive column of neon discharges at average gas pressures. III, 24:8442
Probe diagnostics of a plasma at medium pressures, 23:51618
Radial diffusion in a positive column in a longitudinal magnetic field, 25:22477
Spectroscopic and probe study of a contracted discharge column. II, 21:25120
Spectroscopic investigation of plasma parameters at the outlet of a plasmatron. I. An investigation of the radial distribution of electron density in argon, 24:40097
Use of atomic temperatures for plasma diagnostics, 24:26158
KAGANER, Mikhail Grigorenich Thermal insulation in low-temperature engineering, 21:3214
KAGANOV, M. I. Concerning the anomalies of the electronic properties of rare-earth metals, 22:17790
Contribution to the theory of fourth sound absorption, 21:15054
Dependence of the electron dislocation stopping power in a superconductor on temperature and velocity, 25:27648
Features of electron drag of dislocations in superconductors, 24:45171
Heat exchange between a solid body and helium filling a narrow gap, 21:46289
Transformation of first (second) sound into fourth sound in superfluid He, 25:3007
Wave processes in a plane—parallel capillary filled with He II, 21:43971
KAGANOVICH, A. B. Search of (V + A) currents in experiments with high energy neutrinos, 24:42868
KAGANOVICH, D. I. Milling of a specimen surface hardened by a Cr—W wire, 25:58196
KAGANOVSKII, Yu. S. Study of diffusion by tracks left by nuclear reaction products in a solid detector, 25:4845
KAGANSKII, A. M. Radiative β decays of hyperons, 24:42932
KAGANSKII, M. G. Influence of transverse magnetic field on the toroidal discharge in the Tuman machine, 23:12756
Investigation of plasma compression using microwave reflection, 24:37440
Research on ultra-high-frequency heating and adiabatic compression of a plasma in the Tuman-2 facility, 25:38389 (CONF-710607-141)
Studies of plasma pinch by reflection of ultrahigh frequency waves, 22:44089 (NP-17570)
Study of plasma compression by means of reflection of superhigh-frequency waves, 22:39032 (MATT-Trans-59)
KAGASOVA, Ts. Ya. Possible method for finding resonances with incomplete knowledge of the interaction, 22:15701
KAGAWA, H. Ultraviolet inactivation of E. coli ribosomes. II, 23:9896
KAGAWA, Haruo Inactivation of E. coli ribosomes by uv irradiation. I, 22:4568
Protein-synthesizing functions of ribosome, 21:43327
KAGAWA, Masaru Corrosion behavior of stainless steel in high-temperature water and steam, 22:41011
KAGAWA, Tatsuo Empirical formula on the tubes burn-out by statistical treatment, 23:17677
Heat transfer test loop for development of advanced thermal reactor, 24:50126
High-pressure heat-transfer tests on BWR cores, 23:6007
Thermal and hydrodynamic transfer functions of BWR core, 25:60038
KAGAWA, Yasuo Target molecular weight of mitochondrial atpase, 24:2573
KAGAYAMA, Tadashi Core performance of Tokai reactor, 23:26012
Nuclear power generator, 22:46972
KAGE, H. Reactor noise behavior at power operation, 24:47969 (CONF-680980-, pp 227-32)
KAGE, Hakaru Device for measuring continuously with a high sensitivity the radioactivity of a liquid, 22:16892
KAGEYAMA, E. Rheological properties of elastomers based on cellulose fibers, 24:27141
KAGEYAMA, Eiichi Correlation between grafting rate and swelling degree in liquid-phase graft polymerization of styrene onto preirradiated polynosic rayon, 22:33445
Effect of dose rate on the radiation graft polymerization of acrylonitrile onto poly(vinyl chloride) fiber, 25:54613
Influences on reaction rate of emulsion grafting of styrene onto pre-irradiated rayon, 22:33444
KAGEYAMA, Kohei Optimum location of nuclear power plant, 25:48232
KAGEYAMA, Kosuke Time-of-flight measurement of photoneutrons from ^{16}O, ^{40}Ca, and ^{31}P, 22:7663
KAGEYAMA, Misao Heavy-particle ray damage to a Si solar battery, 25:55099
KAGEYAMA, S. J-forbidden El transitions in ^{125}Te, 22:27174
KAGEYAMA, Seizaburo Decay of ^{125}Sb, 25:17871
Energy levels of ^{127}Te, 21:33983
Energy levels of ^{129}Te, 21:7779
Lifetime of 341 keV level in ^{127}Te, 23:4021
Lifetime of the 321-keV level in ^{125}Te, 21:7778
KAGI, J. Method of controlling a nuclear reactor plant and apparatus therefor, 22:14215
Method of heating working medium in the heat exchanger of a nuclear reactor installation, 23:28538
Sulzer monotube steam generator for nuclear power station St. Laurent I of Electricite de France, 22:16176
KAGI, Jakob Method and apparatus for the control of a nuclear reactor, 22:42287
Vapour generators, 23:21869
KAGIWADA, H. Exact solution of a family of integral equations of anisotropic scattering, 24:33057
Invariant imbedding equations for the dissipation functions of an inhomogeneous finite slab with anisotropic scattering, 22:34732
New derivation of integro-differential equations for Chandrasekhar's X and Y functions, 23:13002
Radiative transfer in spherical shell atmospheres with radial symmetry, 25:52894
KAGIWADA, H. H. Diffuse transmission of light from a central source through an inhomogeneous spherical shell with isotropic scattering, 23:13003
Estimation of local anisotropic scattering properties using measurements of multiply scattered radiation, 21:19080
New initial value method for internal intensities in radiative transfer, 21:11676 (AD-630121)
Time-dependent diffuse reflection from slabs with multiple scattering, 21:5055 (AD-637165)
KAGIWADA, Harriet Initial-value methods for the basic boundary-value problem and integral equation of radiative transfer, 22:22261
Invariant imbedding and radiative transfer in spherical shells, 22:24331
Ultrasonic attenuation in a pure type-II superconductor near H/sub c2/, 21:9490
KAGIWADA, R. Apparent two energy gaps in pure niobium, 25:40548
Regular flux jumps in the mixed state of niobium, 25:1125
Ultrasonic attenuation in the helical spin state of the rare-earth metals, 22:52884
KAGIWADA, R. S. Method for determining isotopic concentration of ^3He—^4He gas, 25:1092
Observation of superfluid-helium persistent current, 24:5099
Superflow in He films: third-sound measurements, 23:16762
KAGIWADA, Reynold Ultrasonic attenuation in a pure type-II superconductor near H/sub c2/, 21:9490
KAGIWADA, Reynold S. Ultrasonic and thermal effects in superconductors, 21:23134 (AD-644182)
KAGIWADA, Reynold Shigeru Ultrasonic and thermal effects in superconductors, 21:42005
KAGIWIDA, R. S. Third sound in adsorbed superfluid films, 22:17564
KAGIYA, Tsutomu Accelerating effect of acetylene on the γ-radiation-induced cross-linking of polyethylene, 24:31377
Alternating copolymerization of CO and ethylenimine by azobisisobutyronitrile or γ irradiation, 21:34293
Copolymerization of ethylene with tetrafluoroethylene by gamma radiation, 24:16582
Copolymerization of ethylenimine and carbon monoxide by AIBN or γ-rays, 23:15895
Copolymerization of vinyl chloride and olefin, 24:11618
Effect of acetylene of γ-radiation-induced polymerization of ethylene, 22:51004
Effect of alcohols on the gamma-radiation-induced polymerization of ethylene, 22:45130
Effect of fluid motion on radiation-induced polymerization of ethylene in a tubular reactor, 25:46510
Effect of H on γ-radiation-induced polymerization of ethylene, 24:16614
Effect of oxygen on γ-radiation-induced polymerization of ethylene, 22:8136
Effect of the addition of ethylene in γ-ray alternate copolymerization of ethylenimine and carbon monoxide, 23:15896
Effects of alkyl halides on the γ-ray induced polymerization of ethylene, 24:20838
Effects of the temperature on the γ-radiation-induced polymerization of ethylene, 21:5929
Flow method study of the gamma-ray-induced polymerization of ethylene, 21:32208
Gamma-induced copolymerization of CO with cyclic hydrocarbons, 24:4337
Gamma-ray induced copolymerization of ethylene and vinyl chloride, 23:28881
γ-radiation-induced polymerization of ethylene, 24:2245
γ-ray induced solution copolymerization of ethylene, 24:31384
γ-ray induced terpolymerization of CO, aziridines, and cyclic ethers, 23:26297
γ-ray-induced copolymerization of CO with cyclic ethers, 23:26298
Influence of agitation on gas-phase ethylene polymerization induced by γ-rays, 22:4179
Initiation reaction in γ induced polymerization of ethylene, 21:1393
Isomerization polymerization of 2-vinyl-1,3-dioxolane by α,α'-azobisisobutyronitrile or by γ irradiation, 22:112
Kinetics of γ-ray polymerization of formaldehyde in presence of carbon dioxide, 22:8137
Kinetics of the gamma-radiation-induced polymerization of ethylene in tert-butyl alcohol, 23:2339
Kinetics of the γ-induced polymerization of ethylene in liquid carbon dioxide, 23:6157
Liquid carbon dioxide as a solvent for the radiation polymerization of ethylene, 23:6160
Mechanism of initiation in γ-induced polymerization of ethylene, 21:25892
Method for polymerizing ethylene by radiation, 24:16558
Method for polymerizing ethylene by radiation, 24:16559
Method for polymerizing ethylene by radiation, 24:16557
Network formation induced by acetylenic compounds in the polymerization of methyl methacrylate, 24:27164
Participation of an excited monomer in propagation reaction of the γ-ray induced polymerization of ethylene, 25:10612
Polyethylenes formed by the γ-radiation-induced polymerization in various alcohols, 22:2105
Radiation induced chain reaction and its application to polymer chemistry, 25:4097
Radiation polymerization of ethylene using carbon dioxide as reaction medium, 24:44055
Radiation-induced bulk polymerization of maleimide, 21:32207
Radioinduced solid-state polymerization of 3,3-bis-chloromethyloxetane, 21:45166
Reactivity of growing chain radicals in ethylene polymerization induced by γ-ray, 24:31383
Study on the radiation-induced chain crosslinking and crosslinking polymerization, 25:8276 (JAERI-Memo-4147)
Two stage radiation polymerization of ethylene in the presence of a carbon dioxide medium, 25:6357
Two-stage irradiation study on propagation and termination in γ-radiation-induced polymerization of ethylene in liquid carbon dioxide, 22:25426
KAGIYAMA, Shigenori Diffraction dissociation and the final-state interaction, 24:18192
Diffraction dissociation, final state interaction, and quasi-elastic two-body processes, 24:42989
Diffractive two-pion photoproduction and five-body duality, 25:12152
Non-dual property of a pion and its production process, 25:22817
KAGNOFF, M. F. In vitro contractions of rat jejunum following whole-body x irradiation or drugs, 23:43857
Platelet adhesiveness following whole-body x irradiation, 24:835 (AD-689098)
Reduced platelet adhesiveness after whole-body x-irradiation, 24:4684
KAGNOFF, Martin F. Motor activity in vitro of rat small intestine following whole-body x-irradiation, 24:32208
Reduced platelet adhesiveness after whole-body x-irradiation, 24:2805
KAGRAMANOVA, M. A. Offspring of chronically irradiated animals, 24:34670
KAGRAMANOVA, R. R. Phase diagram of lanthanum—selenium system, 24:10086
KAHALAS, S. L. Formation of a collisionless magnetohydrodynamic shock wave, 23:36688
Generation of gravity—acoustic waves by nuclear detonations, 23:51453 (CONF-680722-, pp 1-8)
KAHALAS, Sheldon L. Collisional coupling of neutral- to plasma-acoustic waves in a diffuse layer, 24:17801
Magnetohydrodynamic wave propagation in the ionosphere, 21:7080 (AD-637871)
Magnetohydrodynamic wave propagation after the Starfish detonation, 22:17484
KAHAN, A. Electron irradiation of heavily doped GaAs:Si and GaAs:Te, 25:56292
Localized vibrational modes in electron-irradiated GaAs:Si, 23:39533
Optical reflectivity of irradiated semiconducting compounds, 23:34494

Quartz crystal radiation effects, 25:21508
Resistivity and annealing properties of implanted Si:H$^+$, 25:19822
KAHAN, A. M. High pressure study of a lattice resonance in the far infrared, 25:48387 (NYO-2391-131)
KAHAN, D. J. NBS Alloy Data Center: description of index to the literature, 24:51129
KAHAN, E. Conference on photo-electronic image devices, London, 9/65, 22:4547
KAHAN, Henryck Purification of helium blanket of reactors by absorption through molecular sieve, 22:14558 (CEA-R-3366)
KAHAN, R. S. Changes in enzymatic activities of citrus peel tissues after fruit irradiation, 24:6006
Combined action of diphenyl and gamma radiation on the in vitro development of fungi pathogenic to citrus fruits, 22:594
Comparison of the effect of radiation of various penetrating powers on the damage to citrus fruit peel, 23:29946
Development of Botrytis cinerea in irradiated strawberries, 25:29732
Differential effects of small doses of ionizing radiation on the growth of onion seed and bulblets and on crop yields, 23:45951
Effect of gamma radiation on appearance, composition, and enzymatic activities of citrus fruits, 24:48785
Effect of gamma radiation on extending the storage life of oranges, 23:2995
Effect of gamma radiation on phenylalanine ammonialyase activity and accumulation of phenolic compounds in citrus fruit peel, 23:35643
Effect of gamma radiation on the synthesis of scopoletin and scopolin in grapefruit peel in relation to radiation damage, 25:27079
Effect of gamma radiations on the ripening of apricots, 24:44637
Effect of radiation on the ripening of bananas and avocado pears, 24:48779
Effects of ^{60}Co gamma rays on respiration rate, loss in weight, and appearance of green and ripe shamouti orange fruits, 21:28672
Irradiated citrus fruits and their external appearance during prolonged storage, 23:26976 (IA-1160)
Radiation damage to grapefruit, 24:48420
Radiation preservation of foodstuffs: a selected annotated bibliography, 22:599 (LS-173)
Sensitivity of stored melon fruit fungi to gamma irradiation, 22:43482
Sensitivity to gamma irradiation of fungi pathogenic to pears, 24:32266
Storage and sprouting on potatoes and onion, 24:48781
Synergistic effects of gamma radiation and heat on stored citrus fruits, 24:2850
White sporeless mutant of Penicillium digitatum obtained after irradiation, 21:28690
KAHAN, R. Sidney Effect of γ irradiation on Botrytis cinerea and Rhizopus nigricans, 22:43486
KAHAN, S. R. Effect of gamma irradiation on development of fungi Botrytis cinerea and Rhizopus nigiricans, 22:33985 (NP-17428)
KAHAN, T. Transport theory for multi-component plasma, 23:27626 (AD-677339)
KAHAN, Th. Electrodynamics of plasmas, 22:20018
KAHAN, Theo Calculation of electron distribution function of Lorentzian plasma subject to frequency modulated electric field, 23:51615
Electron distribution function of an isotropic and homogeneous Lorentzian plasma, 22:24287
Nonlinear electric conductivity of Lorentzian plasma, 23:51664
Theory of groups in classical and quantum physics. I, 22:7465
KAHANA, S. A = 18 nuclear reaction matrix, 24:11042
Calculation of A = 18, 206, 210 spectra, 23:37105
Calculation of Coulomb energy shift between ^{41}Sc and ^{41}Ca, 24:8878
Effect of residual interactions, 23:19322 (BNL-13297)
Effect of residual interactions on Coulomb energy shifts in analogue states, 24:38348
Effective interactions in finite nuclei, 22:48628
Nuclear interactions and K-breaking mechanisms, 21:23567
Survey of (p,t) reactions in 1p shell, 25:28204
T/sub Z/^{3} term in isobaric multiplet equation, 25:5840
KAHANE, J. Measurement of the polarization of neutrons during experiments, 23:47887
Multiangular device for measuring the asymmetry of neutrons, 23:47789
Omega$^-$ as a Ξ anti K bound state, 22:7521
Polarized neutron source using a compression ionizer, 25:53508
Practical method of neutron—gamma discrimination, 23:47751
Scattering of 14 MeV polarized neutrons on ^{12}C and ^{16}O, 25:17740
Scattering of 14-MeV polarized neutrons by ^{12}C, ^{16}O, and D, 25:53637
Use of polarized neutron scattering measurements, 23:49304
KAHANE, Joseph Algorithm for reducing contracted products of γ matrices, 23:1673
Critical-point singularities of the perturbation series for the ground state of a many-fermion system, 24:3483
Ground-state energy of a many-fermion system, 24:52672
KAHANE, S. Compton profile anisotropy in graphite, 25:17318
KAHANER, David K. Comparison of numerical quadrature formulas, 23:34958 (LA-4137)
Matrix description of the fast Fourier transform, 24:9183 (LA-4275)
KAHARA, Toshiki Reactions of ^{80}Br activated by isomeric transition in gaseous phase, 24:36329
KAHL, Allan A. Isotope effects in reaction of α-hydroxyalkyl radicals with t-butyl peroxide, 24:4269
Primary isotope effects in hydrogen atom transfer reactions from α-hydroxyalkyl and monohydropyridyl radicals, 25:2180
KAHL, K. G. Cornering problem in adaptively controlled metal cutting, 23:2466 (Y-1630)
KAHL, L. Diffusion of fission product ions in glasses, 25:55611
KAHLE, Anne B. Global radiation emerging from a Rayleigh-scattering atmosphere of large optical thickness, 22:17238
Westward drift and geomagnetic secular change, 22:43982
KAHLE, J. B. Calculated dose rates for ^{238}Pu dioxide, 22:31060 (MLM-1460)
Method for determining the particle size of airborne dust, 23:33690 (MLM-1596)
Neutron multiplication experiment with ^{238}Pu dioxide double sealed in calorimeter pressure containers, 21:30257 (MLM-1395)
Personnel monitoring neutron film, 24:2664
KAHLE, R. L. Lifetime measurements of excited states in ^{115}In, 21:23496
KAHLE, V. E. Thermal cracking in refractory metal throats of solid rocket nozzles, 21:9154
KAHLENBACH, M. A transistorized linear pulse amplifier, 22:12585
KAHLER, S. Characteristics of the x-ray and Hα emissions associated with solar proton flares, 24:51562
Existence of solar-flare plasmas of T greater than or equal to 10^8 °K, 25:19398
KAHLER, S. W. Comparison of energetic storm protons to halo protons, 23:39221
Energetic protons from solar flare of Mar. 24, 1966, 22:878
Observation nonthermal solar x radiation in energy range $3 < E < 10$ keV, 25:52562
Solar flare injection and propagation of low-energy protons and electrons in the event of July 7—9, 1966, 22:43792
Spatial gradients of energetic protons and electrons observed after July 7, 1966 solar flare, 23:22814
Temperature and emission-measure profiles of two solar x-ray flares, 25:920
Thermal runaway as the solar flare trigger mechanism, 25:7079
KAHLER, Stephen Wilson Propagation of solar protons, 23:5261
KAHLERT, H. Electron emission during melting and solidification of metals, 21:1909
KAHLERT, Werner Reliability of large steam turbines in nuclear power stations, 23:52297
KAHLES, John F. Adaptive control survey, 25:31758 (Y-1759)
KAHLOS, H. Elimination rate and radiation exposure following ingestion of ^{222}Rn rich water, 25:42247 (SFL-A-16)
Radon-222 concentration of water samples determined with γ-spectrometric measurements, 23:49733 (SFL-A-14)
KAHN, A. H. Angular distribution of protons from (d,p) reactions in ^{56}Fe, 22:26945
KAHN, Arthur M. Metabolism of ^{65}Zn in cirrhosis, 22:45385
KAHN, B. Assessment of deposited radiostrontium during childhood, 23:24546
Cesium-137 body burdens and biological half-life in children at Tampa, Florida, and Lake Bluff, 23:31770
Determination of radiostrontium in food and other environmental samples, 21:45250
Environmental experience with radioactive effluents from operating nuclear power plants, 25:39182 (A/CONF.49/P-87)
Low-mineral ash diaper developed for strontium balance studies in infants, 22:40732
Measurement of naturally occurring radionuclides in air, 22:2236
Radiological surveillance studies at a boiling water nuclear power reactor, 25:28625
Radiological surveillance studies at a BWR nuclear power station: estimated dose rates, 25:56979
Radionuclide releases at nuclear power stations, 25:16175
Radionuclides in effluents from boiling water reactor, 25:6080
Retention of radiostrontium, Sr, Ca, and P by infants, 23:50472
Users' guides for radioactivity standards, 22:33474 (NP-17502)
Users' guides for radioactivity standards, 25:29174
KAHN, Bernard Research on power generation electrogasdynamic energy conversion, 21:27028 (ARL-67-0008)
KAHN, Bernd Radiological surveillance studies at a boiling water nuclear power reactor, 24:26708 (BRH/DER-70-1)
Radionuclide release at a PWR nuclear power station, 25:41361
Rapid field method for the collection of radionuclides from milk, 23:12117
Release of radioactivity from nuclear installations during routine operation, 25:54004
KAHN, Daniel Thorotrast-induced hemangioendothelioma of liver, 22:47600
KAHN, Daniel R. Jet-mixed liquid—liquid extraction column, 25:57623
KAHN, David Attenuation and dispersion of longitudinal waves in viscous, partly ionized gases, 22:39068 (N-68-18703)
Energy coupling at a two-fluid plasma density discontinuity, 21:13582
Longitudinal wave propagation in viscous fully ionized plasmas, 23:12897
Wave coupling across a density discontinuity in a magnetized plasma, 23:12898
Wave coupling across a shock wave in a fully ionized gas, 22:39129
Wave coupling across a shock wave in a viscous plasma, 24:28359
Wave instabilities in partly ionized gases, 24:21833
Wave propagation in partly ionized viscous plasmas, 24:49209
KAHN, F. D. Angular momentum transport in stars, 25:38070
Economical way to measure autocorrelations in radiation field, 21:5029
Flow of ionized gas from a globule in interstellar space, 23:48677
Interstellar gas dynamics. Second edition, 21:41745
Loop structures: review and interpretation of the observations, 25:38119
Nonlinear limiting of the Goldreich—Schubert instability, 24:25827
Outer layers of the red dwarf star YZ CMi, 23:34151
Quasars, 23:51260
Quasars: their importance in astronomy and physics, 21:28949
KAHN, Guinter Evaluation of phototoxicity of salicylanilides and similar compounds by photohemolysis, 25:18913
Red blood cell hemolysis by photosensitizing compounds, 25:18914
KAHN, Helena Levy Carcinoma after Thorotrast administration, 23:26923
KAHN, J. S. Analysis of Jorum containment, 25:57607
Phenomenology and containment of underground nuclear explosions, 23:13900 (UCRL-50482)
Phenomenology and containment of underground nuclear explosions, 23:45430 (NVO-40(Rev.2), pp 13-50)
Plastic deformation in the Salmon Event, 23:21835
Quantitative determination and analysis of texture, 21:28778 (UCRL-14669)
KAHN, Jennifer Stereochemistry of the succinate D_2O exchange as catalyzed by succinic dehydrogenase, 21:30783
KAHN, Luis Geometric-mean variation function for H_2^+, 23:27338
KAHN, M. Autoradiographic detection of ^{131}I using polaroid film, 23:49740
Fast neutron activation: sample preparation utilizing graphite as a diluent, 25:48481
KAHN, Milton Bibliography on the determination of nitrogen by activation analysis, 22:33210 (SC-R-68-1723)
Chemical behavior of iodine in dilute solution, 22:42656 (UCRL-13352)
KAHN, P. B. Perturbative methods in the theory of nuclear level densities, 22:27377
KAHN, Paul Resistive transition to superconductivity in thin Al films, 24:12770
KAHN, Peter B. Level density of a Fermi system, 23:32968
Theory of nuclear level density for periodic independent-particle energy-level schemes, 24:15970
KAHN, R. Application of strong-absorption model to antiproton nuclear scattering at 3 GeV/c in ionographic emulsions, 21:37799
Observation of d* effect in anti pd $\rightarrow$ p anti p $\pi^+ \pi^-$n reaction at 5.55 GeV/c, 25:30727 (NP-18796)
Small-angle elastic scattering of antiprotons at 3 GeV/c in nuclear emulsions, 24:24235
KAHN, Reuben L. Antilocalization of cancer cells injected in irradiated area of rats, 24:27684
Comparative response to injected protein, 23:24552
High roentgen exposures and antilocalization of skin-injected protein, 24:25568
Prog. rpt. on effect of irradiation on localizing response in immunity, annual, 5/15/66—6/15/67, 22:6712 (COO-1172-7)
KAHN, Rueben L. Antilocalization following minimal focal x irradiation, 21:24595
KAHN, S. Determination of fission fragment energies using solid-state detectors, 21:10655
Elementary reactor experimentation, 22:30341
Prog. rpt. on fissiochemical development, semiannual, 7—12/65, 21:10368 (AGN-8178)
Range—energy relation and energy loss of fission fragments in solids, 22:1350
KAHN, S. H. Time resolution of laser-induced electron and ion emission, 21:16807
KAHN, Stewart F. Re-entry safety of isotopic systems, 23:50082
KAHN, T. Dosimetry and RBE at the ends of proton trajectories, 22:8519 (CONF-670305-, pp 155-73)
KAHN-HARARI, Andree Reduction of some mixed oxides, MO_2 with TiO_2, 24:27839
KAHNT, G. Stereoisomers of some cinnamic acid derivatives in relation to molar concentrations and spectrophotometric measurement in plant analysis, 22:14945
KAHR, Ernst Methods and results of treatment of cervical carcinoma (1954 to 1964), 23:881
Results of radiotherapy of tumors of the epipharynx and tonsils, 23:29704
KAI, H. Stable composition range and decomposition pressure of UC—UN solid solution, 22:31466
KAI, Hiroshi Change of composition of UC_1/sub 1-x/N/sub x/ in nitrogen gas, 22:19653
Nitrogen pressure region for monophase UC—UN solid solution, 24:42276
Validity of Vegard's law for UC—UN solid solution, 24:23529
Validity of Vegard's law for UC—UN solid solution, 24:30042
KAI, K. 80 MHz photography of the eruption of a solar prominence, 22:28991
Complete Type IV burst associated with the July 7, 1966 proton event, 23:22799
Correlated bursts at distant sources on the Sun, 24:3125
Correlated bursts at distant sources on the sun, 24:25916
Evidence of Type-II and moving Type-IV solar bursts excited by common shock wave, 24:51353

Evolutional features of solar microwave type IV bursts, 24:1213

Expanding arch structure of a solar radio outburst, 24:23678

New compound interferometer operating at 160 MHz at Nobeyama, 24:1209

Observation of strong circular polarization in a moving Type IV burst, 24:3119

Observations of Sun at 80 MHz with Culgoora radioheliograph, 23:25074

Preliminary observations of the Sun at 80 MHz with the Culgoora radioheliograph, 23:34208

Radio bursts associated with active region McMath No. 8362 of July 1966, 23:22788

Radio evidence of directive shock-wave propagation in the solar corona, 24:10319

Solar radio sources of spectral Types I and III, 24:25890

Strong circular polarization moving type-IV burst, 24:25917

Type II solar radio bursts, 23:34210

KAI, Keizo Energy distribution of electrons producing microwave impulsive bursts and x-ray bursts from the sun, 22:15297

Polarization characteristics of Type IV bursts. I, 21:554

Polarization characteristics of Type IV bursts. II, 21:555

Time variation of the spectrum of gyro-synchrotron emission from the sun, 22:34234

KAI, Kenzo Crystal structures and magnetic properties of intermetallic compound Fe_2Zr, 23:3568

KAI, Takaaki Simulator for BWR type Tsuruga nuclear power station, 25:3933

KAI, Takashi Four pole turbine generators for nuclear power stations, 23:26430

Present state of turbo-generators for nuclear power plants, 25:36975

Turbine generators for nuclear power stations, 25:46583

KAIBA, Masayuki Coupling regularity and Regge trajectory, 25:41002

Coupling regularity of the N^*—N—π interactions, 24:49494

Meson decays in the dynamical composite model, 24:42925

Radially excited SU(3)-multiplets and baryon resonance classification, 24:42967

Regularity of coupling constants of $N^* \rightarrow N + \pi$ decays, 25:12220

Systematics and phenomenology of the strong interaction of baryons, 21:46577

V—P—P vertex in the dynamical composite model, 23:39695

KAIBA, Masyuki F/D ratios and odd-parity baryon resonances, 24:1604

KAIBARA, Makoto Radiation-induced graft copolymerization of styrene to polyethylene single crystal aggregate film, 23:2309 (NSJ-tr-130)

Radioinduced copolymerization of styrene to polyethylene, 22:4182

KAIBEL, Enrique Market for components for nuclear power stations and problems of its nationalization, 25:10103

KAIDALOV, A. B. Analysis of the reaction np $\rightarrow$ pp π^- from the point of view of Reggeized OPE model, 25:56521 (JINR-P1-5975)

Bernstein, Feynberg, and Lee hypothesis and hypercharged particles, 21:2415

Conspiracy of singularities in j plane, 22:35023

Contribution from moving cuts to the pn-charge exchange process, 23:34614

Crossover and moving branch points, 24:3679

Decay $\Sigma^+ \rightarrow p\gamma$, 21:17094

Deck effect in reaction $\pi^-p \rightarrow$ rho$^0\pi^-$p at 4.45 GeV/c, 25:22695

Deck's effect in reaction $\pi^-p \rightarrow$ rho$^0\pi^-$p at 4.45 GeV/c, 25:38660 (ITEF-790)

Elastic πN scattering and charge exchange with account of contribution from Regge cuts, 24:10767

Elastic πN scattering and charge-exchange accounting for contributions of the branchings, 24:8647 (ITEF-699)

Factorization of amplitudes and pair production of resonances at high energies, 21:9774

Factorizations of amplitudes and moving branch points, 25:5435

Formation of resonances in π^+p collisions and Regge poles, 21:33709

High-energy particle production and Regge cuts in elastic NN, πN, and KN scattering, 25:33586

Interaction $\pi^-\pi^-$ in the reaction $\pi^-p \rightarrow N^{*++}(1236)\pi^-\pi^-$ with impulse 4.47 GeV/c, 25:9655 (ITEF-767)

Investigation of two-reggeon cuts in scattering processes at high energies, 24:20179

Moving cut contributions to the photoproduction of pseudoscalar mesons, 23:34565

Pi$^-\pi^-$ interaction in the reaction $\pi^-p \rightarrow N^{*++}(1236)\pi^-\pi^-$ at 4.45 GeV/c, 24:51975

pn $\rightarrow$ np, anti pp $\rightarrow$ anti nn and branching in j-plane, 25:20017 (CERN-Trans-70-15)

Processes pn $\rightarrow$ np, anti pp $\rightarrow$ n anti n and branching in J-plane, 22:39377

Production of resonances in πN and KN collisions and Regge poles, 22:20244

π^-p interactions at 3.25 GeV/c, 25:59314

Quasi-two-particle π^-p reactions, 22:48241

Reaction $\pi^-p \rightarrow$ rho$^0\pi^-$p with impulse 4.45 GeV/c, 25:9656 (ITEF-775)

Regge poles and occurrence of resonances in πN and KN collisions, 22:39407 (UCRL-Trans-1364)

Study of reaction $\pi^-p \rightarrow$ rho$^0\pi^-$p at 4.45 GeV/c, 25:9663

$\Sigma^+ \rightarrow p\gamma$ decay, 21:2442

Tau decay and current algebra, 21:23325

Tests of basic assumptions of complex angular momentum method, 22:9578

KAIDALOV, V. A. Calculation of magnetohydrodynamic flow in a duct with sectionalized electrodes, 21:20808

Current density distribution in an MHD channel in presence of Hall, 21:9572

KAIDUMOV, B. Phase transfer of first order in non-Moessbauer substances by gamma resonance absorption, 22:9448

KAIEDA, K. Spectrum measurements of intermediate energy neutrons by an organic scintillator, 24:44302

Thermal conductivity of VIPAC UO_2 fuel. II, 25:2813 (JAERI-Memo-4128)

KAIFER, R. C. OSO-1 solar neutron experiment, 22:875

KAIGORODOV, V. A. Condensed products of a laser-produced plasma, 23:10676

KAIHARA, Shigekoto Catheter semiconductor radiation detector, 24:12193

Construction of a functional image, 24:21232

Construction of functional image from localized rate constants, 24:31704

Measurement of intestinal fat absorption with ^{14}C labeled tracers, 22:19264

Metabolic changes associated with phagocytosis of particles by human leukocytes during bacterial infections, 23:11966 (CONF-671111-, pp 565-77)

Preparation of ^{131}I-macroaggregated albumin, 21:12940

Radioimmunoassay of Angiotensin II, 24:5977

Radioisotopic and column chromatographic assay of serum thyroxine, 24:14385

KAIHO, K. Criterion for the stability of composite superconductors, 24:17865

Stability of hard superconductors in changing magnetic field plus superimposed direct magnetic field, 25:45407

KAIHO, Katsuyuki Calculation of hysteresis loss in a type-II superconductor, 22:13407

Current oscillation in the composite superconducting cable model, 21:33323

Maximum completely stabilized current density in composite superconductor, 22:41527

Stabilized current density in composite superconductors, 23:39418

KAILA, K. L. Decay rate of P-wave amplitudes from nuclear explosions, 24:22820

P-wave travel times from shallow earthquakes, 23:11681

S-wave travel time curves in the northernly azimuth from India in the distance range 55° determined from shallow earthquake data, 24:22822

KAIMAKOV, E. A. Laboratory modeling simulation of comet phenomena, 25:19394 (LA-tr-70-27)

KAIMAL, K. N. G. Kinetics of release of xenon from sintered (ThO_2—0. 1 percent UO_2) pellets, 25:23582 (BARC-513)

KAINARSKII, I. S. Deformation of fine-grained ZrO_2, 24:1085

Investigation of zirconium anhydride packing during hot pressing, 21:26911

Sintering of zirconium dioxide, 22:49805

Studies and methods for improving the thermal resistance of hot-pressed zirconium dioxide, 21:16643

Technological conditions for hot pressing of zirconium dioxide, 25:55600

KAINDL, G. Change of nuclear charge radii by collective excitations, 22:27192

Change of nuclear radius in K = 1/2 rotational band of ^{169}Tm, 21:21542

Conduction-electron density at the nucleus in Sm and Dy metal, 23:5476

Electromagnetic properties of the 69.6-keV level in ^{189}Os, 22:53214

Interference of photoelectric and nuclear resonance absorption, and magnetic splitting of 6.25 keV γ rays of ^{181}Ta, 24:52617

Isomer shifts and changes of nuclear charge radii in ^{99}Ru and ^{101}Ru, 25:20403

Isomer shifts of the 90 keV γ rays of ^{99}Ru, 25:1335

Lifetime and magnetic moment of 36.2 keV level of ^{189}Os, 23:19317

Moessbauer effect study of hyperfine interactions in ^{145}Nd, 25:9594

Moessbauer effect study of hyperfine interactions in ^{145}Nd, 25:27924

Moessbauer spectrometer for the measurement of small isomer shifts, 23:11823

Moments of first excited 2^+ states of ^{186}Os and ^{188}Os, 24:11024

Nuclear charge radius of ^{189}Os, 24:52618

Nuclear g-factors of first excited states in ^{191}Ir and ^{193}Ir, 22:3715

Recoilless nuclear resonance absorption in ^{145}Nd, 22:18233

Resonance spectroscopy of γ-radiation on Au(I) and Au(III) compounds, 25:9593

Spin and magnetic moment of the 72.5 keV state of ^{145}Nd, 23:7293

KAINDL, K. Influence of degradation products of irradiated glucose solutions on human fibroblasts. I, 23:29345 (SPR-10)

Influence of irradiated and non-irradiated glucose solutions on human fibroblasts, 23:24506 (SPR-9)

Neutron activation analysis determination of radiosensitizers, 22:25255

Preservation of bread by gamma irradiation, 21:32812 (SGAE-BL-19/1967)

Preservation of bread by means of gamma radiation, 22:52063 (ORNL-IIC-15)

Radiation chemistry. Principles, techniques, and uses, 22:27832

Radiation effects on DNA synthesis in synchronous Chlorella cells, 22:45412

Relationship of Cu^{2+} content to radioresistance of yeast, 22:19458

KAINDL, Karl Report on conservation of wood and paper, 25:15651

KAINES, C. J. Developments in nondestructive measurement, 23:19916

KAINTH, P. S. Charge composition of cosmic-ray nuclei of elements from Ne to Ni, 25:35910

KAINUMA, Tshio Age-hardening of Ni—2.5 wt percent Be alloy, 23:36085

KAINZ, Gerald Determination of ^{14}C, ^3H, and ^{35}S by liquid scintillation, 21:1294

Quenching effect for determination of tritium and its chemical elimination, 21:4468

KAIPAINEN, Arto Arrangement for preventing shutdown of a nuclear reactor plant, 23:23928

Nuclear power plant, 24:11175

KAIPNAZAROV, D. K. Effect of gamma radiation on microhardness of Ge and Si single crystals, 24:14960 (AD-696316)

Properties of the low-temperature internal friction peak in silicon, 21:37605

KAIPOV, B. Certain characteristics of radiative centers in synthetic germanium-doped quartz, 22:24414 (AD-663345)

Luminescence of CaF_2—TRF_3 in the gamma-ray field of ^{60}Co, 25:11955

Luminescence of CdF_2 crystals in ^{60}Co γ field, 25:46501

Radio-optical phenomena in CaF_2—REF_3 crystals, 24:45337

Some features of radiative centers in synthetic quartz activated with germanium, 21:3559

KAIPOV, D. K. Density of orbital electrons of atoms of C, Si, and Ge in the field of ordered nuclei, 23:11008

Device for studying Moessbauer effect, 22:14841

Effects of laser irradiation on structural changes in molybdenum monocrystals, 23:46085

Interaction between atomic systems in condensed media, 22:19798

Interpretation of the isomer shift of ^{57}Fe, 23:10970

Iron-57 isomer shift, 22:31984

Moessbauer effect in ^{61}Ni, 25:33467

Moessbauer spectrometer with constant acceleration, 23:16139

Problem of calibration of isomeric shifts in gamma-resonance spectroscopy, 25:56370

Radiation amplification of caprolactam coloration and possibilities of application to high-current accelerators, 25:9552

Resonance scattering of γ quanta on nuclei with use of condensed sources, 22:44786

Resonance scattering of γ-rays on nuclei, 22:12001

KAIPOV, R. L. Ac—Be and Po—B neutron sources in logging and exploration geophysics, 24:9522

Prospects of using Ac—Be and Po—B neutron sources in mining and exploration geophysics, 24:41421 (CSIRO-Trans-10085)

Use of nuclear radiation in analysis of substances, 25:6289

KAIRAITIS, D. New model for gas release from irradiated ceramics, 21:16665

KAIRENTO, A.-L. X-ray absorption measurements of bone mineral content, 24:48636

KAISER, A. B. Effect of nonmagnetic localized states in superconducting alloys, 24:23930

McMillan model of superconducting proximity effect for dilute magnetic alloys, 24:19862

KAISER, B. A. Ionospheric composition and temperature from topside electron scale height data, 22:9193

KAISER, B. L. Effect of D_2O on the carboxypeptidase-catalyzed hydrolysis of O-(trans-cinnamoyl)-L-β-phenyllactate and N-(N-benzoylglycyl)-L-phenylalanine, 24:5672

KAISER, C. B. Thermal emission of the F corona, 24:12577

KAISER, E. T. Effect of D_2O on the carboxypeptidase-catalyzed hydrolysis of O-(trans-cinnamoyl)-L-β-phenyllactate and N-(N-benzoylglycyl)-L-phenylalanine, 24:5672

Radical ions, 22:30511

KAISER, E. W. Dipole moment and hyperfine parameters of $H^{35}Cl$ and $D^{35}Cl$, 24:48098

KAISER, Edward William Jr. Dipole moment and hyperfine parameters of $H^{35}Cl$ and $D^{35}Cl$, 25:12988

KAISER, G. Aqueous reprocessing of thorium-containing nuclear fuel elements, 23:38061

Design of a pilot plant for reprocessing of HTGR fuels, 25:39585

Determination of regional blood flow with ^{133}Xe in the brain of Parkinson and tumor patients, 25:11147

Dissolution of HTGR fuel particles in nitric acid solutions, 25:39564 (JUL-733-CT)

Distribution of U(VI) and Th between alkali nitrate solutions and tri-n-butyl phosphate—kerosene, 21:32239

Fluorescence of localized excitons in anthracene crystals excited by α particles, 24:36576

KAISER, G. D. Asymptotic properties of scattering amplitudes and their experimental consequences, 25:28100

Crossing-symmetric Regge amplitude, 23:23571

Group-theoretical relationships between baryon—baryon scattering cross-sections, 22:3493

Phase of the large-angle scattering amplitude and Van Hove's uncorrelated jet model, 23:46834

Poisson distributions, the elastic cross section, analyticity, and unitarity, 25:50123

Systematic classification of phase contours and zeros, 23:46833

Violation of Pomeranchuk theorem on total cross sections at high energies, 25:33581

KAISER, Geoffrey Conference on fundamental interactions at high energy, 1/69, 23:46632

KAISER, Gerald Yurek Application of continuous moment sum rules to $\pi\pi$ scattering, 25:43636

KAISER, Gerold C. Scintillation characteristics of doped organic molecule single crystals on bombardment with α particles, 22:114

KAISER, H. Diffusion processes in the tungsten—rhenium system, 25:49442

Mass spectrometric trace analysis of Ca, Sr, and Ba in Na azides by isotope dilution techniques, 21:8209

Sintering of tungsten—rhenium alloys, 24:21379

UV dosimeter, 22:40807

KAISER, H. E. Atlas of the domestic turkey, 23:9293 (WASH-1123)

- KAISER, H. F. 180° electron scattering from ^{3}He and ^{4}He, 24:52402
  - Electron scattering from Mg at 180°, 22:27071
  - Excitation of ^{20}Ne by 180° electron scattering, 25:45958
  - Inelastic electron scattering from ^{24}Mg at 180°, 22:41983
  - Inelastic electron scattering from ^{26}Mg at 180°, 22:50567
  - States of ^{25}Mg excited by 180° electron scattering, 24:15853
- KAISER, H. J. Existence of doubly negative charged heavy ions, 25:50210
  - High-energy limits of Feynman-like diagrams with Veneziano amplitudes, 25:25541
  - Molecular and atomic ions of elements of subgroups A, 25:24853
- KAISER, Irwin H. Treatment of cervical cancer in a small teaching hospital, 21:26639
- KAISER, J. Material testing procedure, 22:10525 (UCRL-Trans-10185)
  - Use of digital techniques for nuclear instrumentation, 21:32511
- KAISER, Josef Blind startup experiments carried out on reactor CABRI, 22:16114 (CEA-R-3341)
  - Blind startup experiments on CABRI reactor, 23:34921 (ORNL-tr-1938)
  - Numerical ictometer with large time constant for very low count rates: operational results, 22:14872 (CEA-R-3340)
  - Numerical ictometer with variable time constants and integrated circuits, 22:16926 (CEA-R-3331)
  - Special equipment for processing can-rupture measurements, 23:41092 (CEA-R-3825)
- KAISER, K. BISON: FORTRAN computer system for calculation of analytic self-consistent-field wavefunctions, properties, and charge densities for diatomic molecules. I, 23:1561 (ANL-7271)
- KAISER, Kurt A. Ion-retarding lens to improve the abundance sensitivity of tandem mass spectrometers, 22:12681 (ANL-7393)
- KAISER, L. Galactose cataract of young rats following whole-body irradiation, 24:41962
- KAISER, N. Dielectric properties of oxyhemoglobin and deoxyhemoglobin, 23:38449
- KAISER, N. E. Heat transfer by organic coolants, 22:14295 (RISO-162)
- KAISER, R. Biological effects of the heavy ions in cosmic radiation, 25:11280
  - Considerations relative to the calculation of radiation doses, 24:35110
  - Considerations relative to the calculation of radiation doses in view of the quantification of biological effects in the case of supersonic transport, 25:46825 (ORNL-tr-2466)
  - Differentiation between maternal, placental, and embryonal hormone production, 25:10982
  - New method of discrimination of cosmic ion tracks in emulsions, 23:2566
- KAISER, R. E. Material worth measurements in benchmark critical assembly on ZPPR, 25:6115
  - Measurement and analysis of reactivity Doppler effects in ZPR-3 Assembly 53, 25:6110
  - Measurement and analysis of space-dependent parameters in a Demonstration Plant Benchmark Critical, 25:41516
  - Precision of reactivity measurements by servo-control techniques in a reactor with a source, 22:33074
  - Predicted characteristics with actual observation for ZPPR-2, 25:6113
  - Reactivity effects in critical facilities due to fissile isotope decay, 24:7241
  - Reflection of high-energy photons from semi-infinite homogeneous slabs by invariant imbedding techniques, 22:4384
- KAISER, R. H. Liquid Cd—In diffusion coefficients at 300°, 24:42117
- KAISER, R. S. Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. I, final, 8/70, 25:46310 (N-71-15162)
  - Prog. rpt. on nuclear rocket shielding methods, modification, updating, and input data preparation, Vol. 2, final, 8/70, 25:54220 (N-71-15163)
  - Second version of the GAMB1T code, 24:16310 (WANL-TME-1969)
- KAISER, Richard Edward Invariant-imbedding theory of photon transport, 22:52844
- KAISER, Robert Hamilton Capillary-reservoir diffusion studies in Hg—In alloys utilizing continuous resistivity measurement of composition, 25:58210 (IS-T-490)
- KAISER, Ronald L. Widespread neglect of the input cycle in business-systems, 25:32167 (CONF-700541-, pp 122-39)
- KAISER, T. R. Ambipolar diffusion and motion of ion clouds in Earth's magnetic field, 23:27489
  - Duration distribution of radio echoes obtained from underdense shower-meteor trains, 22:17531
  - Generation of vlf emissions at medium latitude, 23:27480
  - VLF observations on Ariel III, 22:17488
  - Vlf observations on Ariel III, 23:42091
- KAISER, W. Conversion electrons and multipolarities of transitions in ^{165}Dy, 22:1677
  - Conversion electrons and multipolarities of transitions in ^{110}Ag, 22:16024
  - Conversion electrons of ^{188}Re following neutron capture, 22:9895
  - Energetic plasmas produced by laser light on solid targets, 22:5380
  - High-energy conversion electrons and the level scheme of ^{200}Hg, 25:39041
  - High-energy conversion electrons of ^{114}Cd following neutron capture, 21:27610
  - Level scheme of ^{153}Sm, 24:15927
  - Search for E0 transitions in ^{208}Pb, 24:43338
  - Studies of ^{199}Hg(n,ce)^{200}Hg, 23:7284
  - Temperature and expansion energy of laser-produced plasmas. II, 25:22535
- KAISER, W. A. Isotopic analysis of rare gases from stepwise heating of lunar fines and rocks, 24:21532
  - Some specific rare gas studies in apollo samples, 25:16737 (UCB-34-P-32-0-3)
- KAISER, W. C. Channel electron multiplier as an alpha detector, 22:28098
  - Improved light output from very thin plastic scintillator, 25:57819
  - Multiple neutron spatial detector, 21:3280
  - Non-perturbing fission counter for use in plate-type critical assemblies, 25:4353
  - Spatially continuous neutron flux plotting with spark chambers, 23:5793
- KAISER, Walther Level scheme of ^{152}Eu with conversion electrons from neutron capture, 25:3698
- KAISER, Wolfgang Arrangement for nuclear fusion reactions, 23:36729
  - Pulsed thermonuclear reactor operated with lasers, 24:30355 (AEC-tr-7148)
- KAISLER, L. Primary circuit piping system of Czechoslovak nuclear power station A-1, 24:28868
- KAITANDJIAN, M. Precision logarithmic decoding circuit for multichannel analyzers, 23:43634
- KAITMAZOV, S. D. Dynamic spectrum of radiation from a highly ionized dense plasma, 23:42284
  - Laser spark in a strong magnetic field, 22:13508
- KAJANI KANTHA, K. R. Autoantibodies to intrinsic factor: their determination and clinical usefulness, 25:26676
- KAJANTIE, K. Bounds for coupling constants in the multi-Regge model, 22:46545
  - Charge- and strangeness-exchange reactions in the quark model, 21:33689
  - Counter experiments for three-particle final states, 25:53017
  - Double Regge analysis of high-energy experiments producing three final particles, 21:46543
  - Dual + Pomeron analysis of $K^{+-}p \rightarrow K^{+-}\pi^{0}p$, 25:59490
  - Dual models and dual phenomenology, 25:30823 (CERN-71-7, pp 285-358)
  - Evaluation of volume of phase space of N particles, 25:50085
  - High-energy behavior of n-particle production cross-section in multi-Regge model, 22:15859
  - Kinematic separation of three-particle channels in counter experiments, 25:5318
  - Monte Carlo method for generating peripheral events, 24:26381
  - Multiple Pomeranchuk exchange violates unitarity, 22:26589
  - n-particle phase space, 23:21066
  - Phenomenological analyses with dual five-point functions, 25:53188
  - Physical region on the plane of two invariant momentum transfers for a reaction with three particles in the final state, 23:7183
  - Quark dissociation model of photoproduction, 21:27329
  - Reductions of the phase-space integral in terms of simpler processes, 24:12965
  - Regge model for high-energy collisions producing three final particles, 21:27356
  - Regge pole + cut model for two-body reactions dominated by rho exchange, 24:3671
  - Regge-pole model with cuts generated by absorption for the reaction $\pi^{+}n \rightarrow \omega p$, 23:8812
  - Suppression of the phi photoproduction in the quark model, 21:11749
  - Total cross section for n-particle production in multi-Regge model, 22:41798
  - Total cross-sections in multi Regge model, 22:39396 (CERN-68-7(Vol.2), pp 110-13)
- KAJAREKAR, P. J. Detector for determining the direction and energy of fast neutrons in cosmic radiation, 25:49002
  - Determination of the flux of primary cosmic ray hydrogen and helium nuclei near the geomagnetic equator using nuclear emulsions. II, 22:7210
  - Flux of primary cosmic ray H and He nuclei near geomagnetic equator. II, 21:5100
- KAJAS, Seppo Pharmacoradiography of the duodenum, 24:34521
- KAJEK, Vlastimil Radiation accidents in peace time. Problems of dosimetry and medical services. I, 22:4610
- KAJFOSZ, J. Angular correlation and linear polarization measurements on unresolved gamma-ray cascades, 23:23798
  - Applicability of ^{36}Cl for verifying the time reversal invariance of nuclear forces, 22:15997
  - Beams of polarized neutrons in the Institute of Nuclear Research of Czechoslovak Academy of Sciences, 21:21784
  - Branching ratios and intensities of some transitions in ^{35}Cl(n,γ)^{36}Cl reaction, 25:10009
  - Compton polarimeter for neutron capture gamma-rays, 21:19935
  - Correlation function of γ—γ cascade (0.34 MeV—1.38 MeV) on ^{49}Ti, 21:19205
  - Effect of T-noninvariance of nuclear forces on correlation function of gamma ray cascade, 21:40476 (UJV-1789)
  - Linear polarization measurements by Ge(Li) detector, 23:21944 (UJV-2113-F)
  - Linear polarization of low-energy capture γ-rays from ^{35}Cl(n,γ) reaction, 25:59745
  - Measurement of reaction ^{35}Cl(n,γ)^{36}Cl using a three-crystal pair and anti-Compton spectrometer, 25:10000 (PH-2)
  - Mixing ratio of the 0.34 MeV (M1 + E2) transition in ^{49}Ti, 22:15998
  - Possibility of improving the accuracy of time-reversal invariance tests, 21:25587
  - Search for time-reversal non invariance in strong interactions, 23:1865
- KAJHI, Harumi Nuclear-chemistry studies in photonuclear reactions, 24:28792
- KAJI, Harumi Reaction ^{19}F(n,2n)^{18}F as a 14-MeV neutron flux monitor, 22:13942
  - Study of chemical behavior of recoil atoms due to (γ,γ') process, 25:18488
- KAJI, Ikuo Numerical solution of dispersion equation for a bi-Maxwellian plasma, 24:42735
  - Time optimum control for reactors with two kinds of internal feedback, 21:10160
- KAJI, Kanako Grafting acrylonitrile onto polyvinyl chloride powder and spinning fiber, 25:10595 (JAERI-5026, pp 35-41)
  - Radiation-induced graft polymerization of acrylonitrile onto poly(vinyl chloride) powder, 25:10596 (JAERI-5026, pp 42-5)
- KAJI, Keisuke Relation between the polymer conformation and the elastic modulus of the crystalline region of polymer, 25:26281
- KAJIKAWA, R. Counter control system for high-energy experiments, 22:43104
  - Electromagnetic cascades in lead, copper, and aluminum at 6 GeV, 25:1370
  - Measurements of longitudinal and lateral development of electromagnetic cascades in lead, copper, and aluminum at 6 GeV, 24:3491 (DESY-69/39)
- KAJIKAWA, Ryoichi Modified Pound—Watkins type NMR spectrometer at 100 Mc region, 22:33695
  - Polarization of recoil protons from neutral pion photoproduction, 22:44306
- KAJIKAWA, Takenobu Electrical characteristics and the behavior of MHD flow in a Hall generator, 22:47873
- KAJIMA, Masahiro 7,12-dimethylbenz(α)anthracene-induced malignant lymphoma, 24:843
- KAJIMURA, K. Fluctuations in resistive transition in Al films. I, 24:40026
  - Frequency effect in the ultrasonic attenuation in niobium in the mixed state, 21:37394
  - Nonlinear electrical conductivity of superconducting Al films, 25:45406
  - Nonlinear excess conductivity in superconducting aluminum films above the transition temperature, 25:5040
  - Ultrasonic attenuation in the mixed state of superconducting vanadium, 23:8558
- KAJIMURA, Koji Frequency dependence of the ultrasonic attenuation in superconducting niobium in the mixed state, 25:45400
  - Nonlinear electrical conductivity of superconducting films below the transition temperature, 25:36024
- KAJINUMA, H. Insulin-like activity by fat pad assay and immunoreactive insulin. I, 24:27493
- KAJITA, Akiyoshi Double isotope technique of measuring hepatic function utilizing ^{198}Au colloid and ^{131}I-Rose Bengal, 23:14240
- KAJITA, Isamu Instability of spheroidal super-heavy nuclei, 22:46826
- KAJITANI, Kei Geochemical study on the genesis of ningyoite, the special calcium uranous phosphate mineral, 24:46375
- KAJIURA, N. Electroproduction of neutral pions through N*(1236), 23:10735
  - Experimental method of radiative correction in coincidence measurement of inelastic electron scattering, 25:49011
  - Measurement of $\gamma p\Delta$(1236), 24:30432
  - Measurement of $\gamma p\Delta$(1236)-vertex form factors, 24:35596
  - Total absorption type lead glass Cherenkov counter with high resolution, 25:42154
- KAJIURA, Teruo Overtone and combination bands of chlorinated benzenes, 21:1366
- KAJIWARA, Nobuyuki Bacteriostatic effect of ^{60}Co γ-ray irradiation on oyster, 21:26686
- KAJIWARA, Setsuo Stacking disorder in martensites of cobalt and its alloys, 24:27790
- KAJIYAMA, Minoru Combined effects of radiation and antitumor agents on KB cells. I, 24:34571
- KAJIYAMA, Rokuro Gravimetric determination of Nb and Ta, 24:16434
  - Spectrophotometric determination of Ti in ferro-niobium, 21:42885
  - Spectrophotometric determination of Zr in Fe, and steel with Pyrocatechol Violet, 25:28
  - Study on analytical methods of steelmaking materials. VI, 22:4038
- KAJIYAMA, Yoshio Civil engineering works at Tsuruga Power Station of Japan Atomic Power Company, 24:7566
  - Civil engineering works in Tsuruga Atomic Power Station of Japan Atomic Power Company, 24:11727
- KAJNAK, K. Evaluation of effective operators for configuration interaction, 25:58798
- KAJZAR, F. Tables of magnetic structures determined by neutron diffraction. II, 25:30664 (NP-18783)
  - Tables of magnetic structures determined by neutron diffraction. III, 25:36311 (NP-18845)
  - Tables of magnetic structures determined by neutron diffraction. V, 25:56341 (NP-19010)
  - Thermodynamic approximation for transverse momentum distribution of secondary pions, 21:19011
- KAK, Avinash C. Obtaining electron-density profiles of planetary ionospheres, 24:17854
- KAKAC, S. Growth of demand for energy and projected role of nuclear power in Turkey, 25:53914 (A/CONF.49/P-780)
- KAKAN, S. Geometrical efficiency of a solid state radioactivity detector in mammalian tissue, 22:14757
- KAKAR, Ramesh Microwave spectrum of benzaldehyde, 24:33696
- KAKAS, M. Radioactivation analysis of Al cans used for irradiations, 24:33662
- KAKATI, D. Alternate-gradient focusing of neutral particles, 23:22924
- KAKAURIDZE, D. B. Electron energy measurement by the shower spectrometer, 25:18779

  Interaction cross section of nuclear-active particles of 5 x 10^{10} to 10^{11} eV in iron, 22:21926
KAKEGAWA, M. High-resolution scinticamera based on delay-line time conversion, 25:51859
KAKEHI, H. Area scanning of radioactivity in internal organs, 23:33723
  IHSA—BBD complex affinity for malignant neoplasms, 24:21234
  New design of 5" whole body scanner, 24:31695
  Nuclear medicine in Japan, 24:32070
  Sensitivity and resolution of scintigraphy, 23:33435
  Whole body counting with multiple-detector system, 24:31688
KAKEHI, Hirotake Body section scintigram using an anger camera, 24:31694
  Contribution of low-energy gamma emitters to the scintigram, 25:26849
  Counting characteristics of a medium-level whole-body counter, 23:38248 (ORAU-108)
  Gonadal exposure in radiation treatment. II, 25:44803
  Rib fracture by postoperative irradiation of breast cancer, 23:31768
KAKEHI, Isao Pressure drop performance of fuel pin bundle with spiral wire spacer, 25:25989
KAKEHI, K. Medical application of the radiation, 25:52124 (A/CONF.49/P-263)
KAKEHI, Masae Conformation therapy technique on 6 MeV linear accelerator in treatment of the carcinoma of cervix uteri, 25:8740
  Residual lesions following external high energy radiation therapy, 25:58074
KAKEI, Hirotake Heart scans with ^{131}Cs, 21:43453
  Nuclear medicine. Its progress and future, 24:21235
KAKHANA, M. M. X-ray-spectrographic fluorescent determination of zirconium and hafnium, 23:15786
KAKHIANI, E. D. Comparative radio sensitivity of membranes of isolated nuclei, isolated from various organs and tissues, 24:50740
  Local ionizing radiation effects on the heart activity in frogs, 22:12905
  Radiosensitivity of nuclei of brain cell, 24:25554
  Radiosensitivity of the membranes of isolated nuclei of nerve and glial cells, 22:51361
KAKHIDZE, G. P. Measurement by Proton-1 of effective cross sections of interactions between inelastic protons and C nuclei with energies of 10^{10} to 10^{13} eV, 21:29445
  Spectrometer for high-energy cosmic-ray particles designed for Proton satellites, 22:2417
KAKHIDZE, N. G. Influence of light on the low-temperature annealing of radiation defects in germanium, 22:22231
KAKHMANYUK, F. S. Effect of x and γ radiation on the development of unmatched gypsy moths, 22:8642
KAKHNYUK, V. I. Cholinesterase activity in brain of white rats following x irradiation, 25:35232
KAKIGI, S. Breakup of deuteron by alpha particle impact, 22:26822
  Core excitation of light odd nucleus by (d,p) reaction, 22:26902
  Quasi-free proton—alpha and alpha—alpha collisions in ^{9}Be and other light nuclei, 22:26890
KAKIGI, Shigeru Broad energy protons from the reaction $^{12}C + d \rightarrow p + ^{13}C$ (7.64 MeV and 8.33 MeV), 25:43814
  Design and performance of a broad range magnetic spectrograph, 23:42820
  Ion source for cyclotron of Kyoto Univ, 23:42818
  Quasi-free scattering in the reaction $^{9}Be(p,p\alpha)^{5}He$ at 55 MeV, 23:34724
  Reaction $^{11}B(\alpha,^{7}Li)^{8}Be$ at 28.4 and 29.0 MeV, 23:8942
  Subharmonic acceleration of heavy ions by cyclotron of Kyoto Univ, 22:35191
  Vacuum evaporator with electron gun for preparation of thin target, 23:42817
KAKIHANA, H. Current density effect on lithium isotope separation, 24:27192
  Dual-purpose nuclear power plant, 23:49646
  Enrichment of Li, K, Cu, and U isotopes by electromigration, 22:42842
KAKIHANA, Hideo Method for separating and concentrating isotopes, 21:3158
KAKIHANA, Hidetaka Hydrolysis of uranyl ion in D_2O, 24:33673
KAKIHANA, Hidetake Adsorption of uranium in artificial seawater with titanic acid, 25:26350
  Chemical reactions to isotope separation, 22:21161
  Collection of U in sea water. III, 23:49917
  Collection of uranium in sea water. II, 23:21798
  Collection of uranium in sea water. III, 23:47596
  Determination of abundance ratio of copper isotopes, 21:12344
  Enrichment of the uranium isotopes by electromigration in a cation exchange membrane, 25:39574
  Extraction of U(VI) from HCl, 23:15942
  Fundamental studies of the ion exchange separation of isotopes. VI, 25:39568 (ORNL-tr-2506)
  Fundamental studies on ion exchange separation of isotopes. IX, 23:13826 (NSJ-tr-144)
  Fundamental studies on the ion exchange separation of isotopes. V, 25:39569 (ORNL-tr-2507)
  Hydrolysis of Cu(II) ion in heavy water, 25:10566
  Hydrolysis of the beryllium ion in heavy water, 24:20784
  Ion-exchange and isotope effect of lithium ions in formamide, 22:2062
  Isotope effect and isotope separation, 22:51058
  Isotope effect and isotope separation, 25:41897 (ORNL-tr-2512)
  Isotope electromigration in ion exchangers. II, 21:22018
  Kinetics and mechanism of the U(IV)—U(VI) electron exchange reaction in hydrochloric acid, 23:113
  Method for analyzing chromatographic isotope separation data, 23:40843
  Method for analyzing chromatographic isotope separation data, 24:29378
  Method for separating isotopes, 22:51078
  Method for separating isotopes, 23:9656
  Permselectivity of chloro complexes of U(IV) and U(VI), 22:33363
  Separation factor of U isotopes, 21:40982
  Separation of copper isotopes, 23:9527
  Separation of copper isotopes by electromigration in a cation-exchange membrane, 22:42824
  Separation of copper isotopes by ion-exchange chromatography, 25:32052
  Stability constant of main hydrolysis product of Be ion, 23:33179
  Thermodynamic isotope effect of Li, C, N, Cl, Cu, and U compounds, 22:33337
  Uranium(IV)-(VI) electron exchange reactions in anion exchange resin, tri-n-octyl amine and tri-butyl phosphate, 22:27736
KAKIMOTO, Eitaro Characteristics of 2.25 Cr—1 Mo quenched and tempered steel after heat treatment, 23:24972
KAKIMOTO, Hiroshi Double-walled experimental hole in nuclear installations, 23:508
KAKINUMA, T. Slowly varying component of the radio emission during the period of the July 1966 proton flare, 23:22780
KAKINUMA, Takakiyo High-resolution observations of solar radio bursts, 23:25081
KAKINUMA, Usaku Neutron and proton as composite elementary particles, 22:17966
KAKITA, Yachiyo Determination of Mo in Fe and steel by flame photometry, 25:10439
KAKITANI, Toshiaki Superconducting parameters of 18 nontransition metals, 24:15235
KAKIZAWA, Ken-ichi Basic studies on two-phase flow with the use of electrical void-meter, 22:28246
KAKKAR, I. Configuration mixing calculations in Hartree—Fock representation, 25:20286
  Spherical Hartree—Fock calculations with Sussex interaction, 25:45908
  Sussex interaction, 24:52457
KAKKAR, L. R. Microdetermination of rhenium, 25:2102
  Separation of Re from Mo, V, W, and other elements by tribenzylamine—chloroform extraction, 25:12921
  Separation of Re from Mo, W, Cr, V, Se, Te, and Os, 23:17548
  Separation of rhenium from molybdenum by extraction of phosphomolybdate with isoamyl acetate, 25:21140
  Separation of rhenium from molybdenum and other heavy metals by solvent extraction, 25:54401
KAKKAR, V. V. Iodine-125-labeled fibrinogen test adapted for routine screening for deep-vein thrombosis, 24:36784
KAKO, Masashi Cyclotron radiation from the plasma with loss-cone distribution, 25:17126
  Nonlinear behaviors of ion-wave, 25:7423 (IPPJ-98)
KAKOLOWICZ, W. Structure of uranium compounds, 22:4132
KAKOVA, L. Workers exposed to rf radiation in industrial establishments at Brno, 24:2684
KAKU, Ichiro Exploration for uranium ore deposits by gamma ray logging, 25:266
KAKU, M. Functional approach to dual quark models, 25:59435
  General multi-loop Veneziano amplitude, 24:52216
KAKU, Michio Divergence of N-loop planar graph in dual-resonance model, 25:33670
  Divergence of the two-loop planar graph in the dual-resonance model, 25:14666
  Linear dependences and multiloop Veneziano amplitude, 25:20117
  Unitarization of the dual-resonance amplitude. II, 25:43719
  Unitarization of the dual-resonance amplitude, 25:43718
  Unitarization of the dual-resonance amplitude. III, 25:43717
  Unitary nonplanar closed loops, 24:37961
KAKUDO, Yujiro High-energy nucleon—nucleon collisions, 24:18232
KAKUI, Shuzo Ion source for cyclotron of Kyoto Univ, 23:42818
KAKULIYA, M. E. Oxidative cleavage of DNA in brain and spleen of x-irradiated rabbits, 21:41371
KAKUMA, Tutomu Crystallographic texture and hydride orientation in Zircaloy cladding tubes, 25:22110
  Zircaloy cladding tubes for nuclear fuel, 25:664
KAKURIN, L. I. Examination of "Soyuz-9" spaceship crew, 25:24153 (JPRS-52402, pp 34-41)
  Medical study performed during flights of Soyuz spacecrafts, 24:905
KAKUSHKINA, M. L. Application of radiomimetic model for investigation of protective properties of chemical compounds, 21:22635
  Comparative evaluation of the protective activity of potential radioprotective agents (Bunte salts) on various biological models, 21:6552
  Effect of synthetic and natural inhibitors of lipid oxidation on oleic acid (radiomimetic) hemolysis, 22:28291
  Erythrocytes as a model for studying radiotoxins and chemical radioprotectors, 23:10027
  Use of models for evaluation of radioprotective effect of aminothiols, 22:25900
KAKUTA, Michio Evaluating method for ground surface contamination during rain, 21:28105
  Evaluating method for ground surface contamination during rain, 22:51096 (NSJ-tr-116)
  Graphic aid in the assessment of gamma-exposure due to a radioactive cloud released from a point source, 24:41432 (JAERI-1189)
KAKUTANI, Tsunehiko Nonlinear hydromagnetic solitary waves in a collision-free plasma with isothermal electron pressure, 22:7284
  Reductive perturbation method in nonlinear wave propagation. II, 22:29512
  Weak ion—acoustic shock waves, 24:51731
  Weak nonlinear hydromagnetic waves in a cold collision-free plasma, 23:32507
  Weak nonlinear magneto-acoustic waves in an inhomogeneous plasma, 25:59086
KALAB, D. Influence of uv light on kinetics of plaque growth of phages SP 3 and SP 8, 22:10892
  Photosensitivity of SP 8 and SP 3 phages of Bacillus subtilis, 22:4709
KALABA, R. Exact solution of a family of integral equations of anisotropic scattering, 24:33057
  Invariant imbedding equations for the dissipation functions of an inhomogeneous finite slab with anisotropic scattering, 22:34732
  New derivation of integro-differential equations for Chandrasekhar's X and Y functions, 23:13002
  One sweep numerical method for vector-matrix difference equations with two-point boundary conditions. technical report no. 70-16, 25:10384 (TID-25609)
  Radiative transfer in spherical shell atmospheres with radial symmetry, 25:52894
KALABA, R. E. Diffuse transmission of light from a central source through an inhomogeneous spherical shell with isotropic scattering, 23:13003
  Estimation of local anisotropic scattering properties using measurements of multiply scattered radiation, 21:19080
  Initial-value methods for the basic boundary-value problem and integral equation of radiative transfer, 22:22261
  New initial value method for internal intensities in radiative transfer, 21:11676 (AD-630121)
  Time-dependent diffuse reflection from slabs with multiple scattering, 21:5055 (AD-637165)
KALABA, Robert Exact solution of a family of matrix integral equations for multiply scattered partially polarized radiation. II, 24:33058
  Invariant imbedding and radiative transfer in spherical shells, 22:24331
KALABEGISHVILI, T. L. Anisotropy of paramagnetic Y centers in LiF crystals, 24:45318
  EPR and optical absorption in neutron-irradiated LiF crystals, 21:42199
KALABIN, A. I. Ore extraction by underground leaching, 24:19099
KALABUKHOVA, S. V. Mechanical properties of Ti—Mo—Ni alloys, 25:16456
KALABUKHOVA, T. N. Effect of oxygen on ultraviolet inactivation of myosin, 23:38467
KALACHEV, D. M. Work on the technology and heat transfer of liquid metals, 23:50022 (JPRS-48330, pp 591-610)
KALACHEV, I. B. Niobium-based alloys for elastic sensors, 25:16475
KALACHEVA, T. A. Coordinated compounds of uranyl with K and Rb, 23:21715
  Reactions of UO_2F_2 and RbF in aqueous solutions, 22:45086
KALACHEVA, Z. F. Energy distribution of α-particles in $p + ^{11}B \rightarrow 3\alpha$ reaction, 25:28184
KALADE, H. A. Negative parity states of ^{4}He, 23:28233
KALADE, Yu. A. Electric form factors of ^{3}H and ^{3}He and interaction between nucleons, 22:39428
  Relativistic radiation from single-electron transitions, 23:27341
KALADZE, T. D. Investigation of spectra of plasma ion-cyclotron oscillations, 25:33339
  Propagation of a charged particle through weak nonlinear plasma, 25:14313
KALAFATI, D. D. Cycle of one-component liquid-metal MHD converter, 25:33101
  Thermodynamic cycle parameters analysis of space nuclear power plants, 21:44928
  Thermodynamics of cycles with mixed liquid metal in front of MHD transformer, 21:2079
KALAFUS, R. M. Prog. rpt. on electrodynamics in moving media, final, 5/1/65—5/1/66, 21:13569 (N-66-37577)
KALAGHAN, P. M. Radio measurement of atmospheric ozone transition at 101.7 GHz, 22:19690
  Radiometric observations of the planets Jupiter, Venus, and Mars at a wavelength of 8.6 mm, 23:5199
  Solar observations at a wavelength of 8.6 millimeters, 21:34997
KALAGHAN, Paul M. Solar observations at 8.6-mm wavelength. physical sciences research papers, 24:39787 (AD-704552)
KALAGHER, Richard James Effect of inhomogeneous electron density and collision frequency in a cylindrical plasma column surrounded by a helix, 22:3032
KALANDADZE, N. B. Galactic structure in three sections of the Milky Way, 25:30191
KALANDAROVA, M. P. Biological effect of a 12-time repeated gamma radiation treatment of white mice, 21:16446 (JPRS-38272, pp 231-2)
  Effectiveness of shielding different body parts during repeated proton irradiation, 25:16196 (JPRS-52121, pp 25-9)
  Effectiveness of shielding of different body portions during repeated irradiations with protons, 25:21894
  Experimental investigation of the effectiveness of local protection, 21:16347 (JPRS-38272, pp 306-7)
  Impairment of hematogenesis in dogs in the case of a nonuniform total radiation influence, 24:27687
  Radiobiological data concerning local shielding of astronauts, 22:45552
  Radiobiological data in relation to local astronaut shielding, 23:12195 (JPRS-45483, pp 99-104)
  Radiobiological effects of partial protection, 25:39922
  Radiobiological effects of partial protection, 25:52097
KALANDAZE, I. R. Radiation polymerization. IX, 23:266
KALANDIYA, A. A. Adsorption of long-lived radioactive fission products of U by natural adsorbents. I, 21:12513
  Water decontamination from radioactive substances by soil, 22:30696
KALANDRA, Oldrich Determination of H, O, and N in Zr and its alloys, 23:11413

- KALANOV, M. Anomalous transmission of neutron in a perfect CdS crystal, 25:5785
- KALANTAR, A. H. CH and CD stretching anharmonicities and radiationless decay of triplet benzene, 22:42687
  - Nonexponential phosphorescence decay of benzene, 22:42686
- KALANTAROV, K. D. Clinical aspects of diagnostic uses of radioactive isotopes in USSR, 25:52128 (A/CONF.49/P-462)
  - Clinical assessment of radiopneumonography with ^{133}Xe in confrontation with angiopulmonography and electrokymography, 23:29631
  - Integral doses created by ^{133}Xe in intravenous administration, 21:8900
  - Main principles of design of a radiation endoprobe, 25:21772
  - Radiometry of iodine metabolism, 22:28550
  - Xenon-133 for regional blood flow and ventilation studies in lungs, 21:10955
- KALANTRI, O. P. Studies on ^{60}Co sensitized luminescence of scintillator solution of benzene, 23:242
- KALASHNIK, G. V. Some fuel element development problems of fast reactors, 25:48271
  - Some problems in the development of fuel elements from fast reactors, 25:34355 (JPRS-53069, pp 225-35)
- KALASHNIKOV, E. G. General solution of kinetic equations of a double coupled reactor system, 24:5566
  - Relationship between coupled reactor system parameters and detailed neutron flux distribution, 24:5567
  - Solution of kinetic equations of a double coupled reactor system for a reactivity, 24:5568
- KALASHNIKOV, N. P. Angular distribution of bremsstrahlung radiation in a target taking into account the Landau—Pomeranchuk effect, 21:42206
  - Angular distribution of charged particles during pair production by photons and the effect of multiple scattering, 22:17893
  - Bremsstrahlung spectrum of a fast electron in a single crystal, 22:9067
  - Diagram technique in theory of multiple scattering, 23:3898
  - Distribution of energy losses for heavy positive particles in a single crystal, 25:59150
  - Fast charged particle in external electromagnetic field, 21:41758
  - Neutron multiple scattering in a slab, 24:1728
  - Quantal approach to the problem of neutron multiple scattering in a slab, 23:19122 (RT/FI-(68)40)
  - Removal of infrared divergences in radiative corrections, 23:32669
  - Scattering of charged particles in a thin monocrystal, 22:29583
  - Theory of backscattering of fast electrons from a condensed medium. I, 25:13961
- KALASHNIKOV, O. K. Application of spectral density method to systems with pair interaction, 25:12061
  - Spectral density technique in quantum statistics, 22:48199
- KALASHNIKOV, V. K. Possibilities of supersonic plasma flow investigation by means of a pilot tube combined with an electric probe, 22:9286
- KALASHNIKOV, V. P. Kinetics of hot electrons in quantized magnetic fields. I, 25:9608
  - Kinetics of hot electrons in quantizing magnetic fields. II, 25:19960
  - Method of nonequilibrium statistical operator in hot electron theory, 23:23301 (ITF-68-79)
- KALASHNIKOV, V. V. Design and principal characteristics of VVER-1000 fuel element, 25:34356 (JPRS-53069, pp 245-8)
  - Fuel elements for nuclear reactors, 21:30307
  - Structure and main characteristics of the fuel elements for the VVER reactor, 25:48272
- KALASHNIKOVA, L. Ya. Extraction—photometric determination of Si in Nb and Ta, 24:24998
- KALASHNIKOVA, V. I. Activation-analysis determination of the silver content in microcrystal centers in a photographic emulsion, 25:34549
- KALASHNIKOVA, Valentina Ivanova Experimental methods in nuclear physics. I, 22:30846
- KALASHYAN, R. M. Structure of elementary particles, 24:20115
- KALATA, K. Photoproduction of positive pions at backward angles in the energy range 1 to 3 GeV, 22:48209
  - Photoproduction of positive pions at backward angles in the energy range 1 to 3 GeV, 24:37688
  - Polarimeter for celestial x rays, 23:51258
- KALATA, Kenneth Effect of ^{7}Be K capture on solar neutrino flux, 22:11148
- KALATA, P. R. Reluctance of a toroidal coil with a rectangular cross-sectional area, 21:26026 (SCL-TN-67-31)
- KALAVATHI, N. Factors influencing cure in the radiotherapy of post cricoid carcinoma, 24:48645
- KALBACH, R. M. High precision 1 GeV/c spectrometer, 23:7798
  - K^{+-}-proton elastic cross sections at 180° from 0.41 to 0.72 GeV/c, 24:40275
  - Search for charge $^{1}/_{3}$e and $^{2}/_{3}$e quarks in cosmic radiation near sea level, 24:28466
  - Search for momentum-dependent fluctuations in pion—proton scattering near 1.04 GeV/c, 23:23384
- KALBACI, P. Deeply inelastic proton—proton collisions, 24:8565
  - $\pi^{+}p$ elastic scattering and $\pi^{+}p \to K^{+}\Sigma^{+}$ at 5.0 GeV/c near $-t = 3.0\ (GeV/c)^{2}$, 25:47747
  - Reactions $\pi^{+}p \to K^{+}\Sigma^{+}$ and $\pi^{+}p \to K^{+}Y^{*+}$ near zero degrees, 25:40885
- KALBACK, W. M. Growth of pores in graphitized carbon reacted with carbon dioxide, 24:27873
- KALBERER, F. Macroautoradiography of the larger laboratory animals, 24:31788
- KALBFLEISCH, G. Formation of a mesonic state in the anti pp interaction at 1.32 GeV/c, 23:30707
- KALBFLEISCH, G. R. anti pp elastic scattering in T-meson region, 25:45658
  - Decay rates of K*(1420) and 2^{+} nonet, 21:46575
  - Electron—neutrinos, τ/sub e/, 24:51905 (TID-25473(Vol.1), pp 343-52)
  - Formation of the $Y_{1}^{*}(1616)$ and $Y_{1}^{*}(1700)$ in K/sub L/^{0}p interactions, 23:23336
  - Possible counter array for triggering a bubble chamber, 25:34968 (CONF-700623-(Vol.2), pp 593-605)
  - Properties of f^{0} meson, 21:46488
  - T region, 25:17377
- KALBFLEISCH, George R. Design and construction of 1.2—1.9 BeV/c, separated K^{-} meson beam, 21:4151 (UCRL-17018)
  - Evidence for I = 1 di-pion resonance at 1.63 GeV, 21:15270
  - Evidence for K*(1300) in $\pi^{-}p$ interactions at 6 GeV/c, 21:31530
  - Experimental determination of neutral particles in muon decay, 25:9748
  - Kinematic interpretation of low-mass $K\pi\pi$ enhancement in $Kp\pi\pi$ final states, 21:35311
  - Observation of a backward peak in the reaction $\pi^{-} + p \to Y^{0} + K^{0}$ at 6 GeV/c, 21:9715
  - Search for ionizing tachyon pairs from 2.2-GeV/c $K^{-}p$ interactions, 25:45678
  - Spin and parity of the K*(1420) meson, 21:25247
  - Ξ states, 25:25309
- KALBHEN, D. A. Problems of chemoluminescence in liquid scintillation counting using the hydroxide of hyamine 10-X, 21:43271
- KALBITZER, S. Ballistic deficit and the signal-to-noise ratio of semiconductor spectrometers for energy and position spectroscopy, 22:14808
  - Carrier concentration profiles of ion-implanted silicon, 24:12880
  - Charge dividing mechanism in position sensitive detectors, 22:332
  - Design of position sensitive Si detectors, 24:11818
  - Diffusion of ^{3}He and ^{4}He in LiF, 24:18038
  - Fabrication and use of lithium-drifted germanium detectors, 22:14802
  - Fabrication of high quality silicon junction detectors by low energy ion implantation, 21:28223
  - Gamma spectrometer for x-ray studies with semiconductor detectors and cooled input stage, 21:41216
  - High-resolution γ spectrometer with Ge(Li) detector and field-effect transistor preamplifier, 21:3276
  - Ion implanted semiconductor detectors, 24:5885 (EUR-4269, pp 193-220)
  - Lifetime of lowest $5/2^{+}$ states in ^{15}N and ^{15}O, 22:3634
  - Low-energy B and P implants in Si. B, 25:19836
  - Low-energy B and P implants in Si. A, 25:19835
  - Manufacturing of radiation detectors, 25:8484
  - Measurement of the lifetime of first excited state in ^{17}O and ^{17}F, 21:25460
  - Multiwire proportional chamber for use in a magnetic spectrograph of high dispersion, 25:48975
  - On the formation of surface barrier layers of silicon detectors, 21:3277
  - Pulse divider for use with position sensitive detectors, 23:43547
  - Silicon surface barrier detectors for x-ray spectroscopy, 22:21344
  - X—Y position sensitive detector, 21:43265
- KAL'CHENKO, A. I. Neutron resonances of Dy rare isotopes, 24:24562
  - Neutron resonances of isotopes ^{130} ^{132}Ba, 24:8914
  - Neutron resonances of isotopes ^{136}Ce and ^{142}Ce, 25:39013
  - Neutron resonances of rare Gd isotopes, 23:47013
  - Reduced distances between levels of some isotopes, isobars, and isotones in region of deformed nuclei, 22:42090
  - Resonance levels of some rare isotopes of lanthanides, 23:23684
- KAL'CHENKO, V. A. Content of ^{90}Sr, Ca, and Sr units in seeds of wheat hybrids, 25:55223
  - Induction of mutations affecting uptake of ^{90}Sr, 25:21662
- KALCZAK, M. Effect of ionizing radiation on liver cells in vitro, 24:7978
  - Effect of ionizing radiation on liver cells in vitro, 24:9776
  - Effects of hydrocortisone, acetylsalicylic acid, and uv irradiation upon lysosomal membranes, 23:9861
- KALDERON, D. Large steam turbines for nuclear and conventional power stations, 25:29256
- KALDIS, E. Conference on crystal growth and epitaxy from the vapor phase, Zurich, 9/70, 25:32673
  - Purification of europium, 25:52307
  - Synthesis, crystal growth, and physical properties of rare-earth nitride phases, 25:32780
- KALDOR, Andrew Matrix isolation study of borazine and boroxine. A vibrational analysis, 25:26233
- KALDOR, George Charge density on native and ultraviolet-irradiated myosin A, 21:369
- KALDOR, U. Yield of scavengeable H atoms, electrons, and positive charged in the radiolysis of liquid n-hexane, 21:36012
- KALDOR, Uzi Calculation of extended Hartree—Fock wavefunctions, 22:17400
  - Spin-optimized self-consistent-field wave functions, 23:32194
- KALE, Jayavant Damodar Chemical kinetics and kinetic isotope effect in the reactions of CF_3 radicals with H_2S and D_2S, 24:33690
- KALE, L. R. TLD system for measurement of a wide range of x- and gamma exposures, 23:47860
- KALE, P. G. Crossing-over in the males of Drosophila ananassae: exchanges in irradiated pupae, 22:17011
  - Induced crossing-over in males of D. ananassae: exchanges mainly in spermatocytes of adults, 22:14986
- KALE, P. P. Anisotropic cosmological model with stress, 24:23723
- KALEBIN, S. M. Measurement of total neutron cross sections of the isotope ^{230}Th in the 0.02 to 50 eV energy range, 21:7815
  - Neutron interrupter (chopper) and monochromator with synchronously-rotating rotors suspended in magnetic field, 25:21475
  - Total neutron cross section of ^{230}Th at thermal energy region, 22:37342 (ITEF-546)
  - Total neutron cross section of ^{230}Th in energy region up to 600 eV, 23:44922
- KALECHITS, V. E. Alpha decay and nuclear interactions, 25:3725
  - Alpha decay of spherical nuclei, 25:36747
  - Optical potentials and elastic scattering of t and ^{3}He, 25:3769
  - Optical potentials of composite particles, 24:13438
  - Stripping reactions with two transferred nucleons and polarizability of t,^{3}He, 25:15192
- KALECINSKA, E. Reaction between nitrosylpentacyanochromate and hydroxyl radicals in gamma-radiolysis, 23:40735
  - Yield of excited water molecules in gamma radiolysis of acid nitroprusside solutions, 21:21986
- KALECINSKI, J. Radiation chemistry of alkaline solutions of oxyanions of transition elements, 22:4217
  - Radiation chemistry of aqueous solutions of sodium nitroprusside, 23:19779
  - Reaction between nitrosylpentacyanochromate and hydroxyl radicals in gamma-radiolysis, 23:40735
  - Reduction of uranyl nitrate in n-butanol, 23:40734
  - Reduction of uranyl nitrate in triethyl and tripropyl phosphates, 23:40732
  - Yield of excited water molecules in gamma radiolysis of acid nitroprusside solutions, 21:21986
- KALECINSKI, Jerzy Effect of ^{60}Co gamma radiation on aqueous ferrate(VI) solutions, 21:21984
  - Gamma radiolysis of alkaline ferrate(VI) solutions, 21:28041
- KALECK, A. Limitation of the confinement of plasma, 23:32319
  - Trapped reverse field configurations in a linear theta pinch experiment, 22:1181 (LA-3770, Paper A4)
- KALENDAREV, R. I. Mechanisms of photostimulated electron emission from ionic crystals, 21:29368
  - Nonisothermal relaxation processes in alkali-metal halide phosphors, 21:13628
- KALENDIN, V. V. Influence of irradiation on GaAs laser characteristics, 25:22623
- KALENDO, G. S. Damage to nuclear structures by ionizing radiation, 21:36727
  - Effects of biologically active substances, isolated from liver of irradiated rats, on synthesis of DNA in HeLa cells, 23:35843
  - Effects of radiotoxins on synthesis of nuclear RNA and protein in HeLa cells, 23:50367
  - Exchange of fast-labeled RNA in HeLa cells, synchronized by γ irradiation to S period, 22:28310
- KALENKO, G. S. Fluctuations in rate of protein synthesis in the nuclei of irradiated HeLa cells, 21:20089
- KALER, J. B. Continuous spectrum of neutral helium from gaseous nebulae, 25:9046
  - Distances and distribution of planetary nebulae, 25:13827
  - Electron temperatures of gaseous nebulae from Balmer decrements, 22:36660
  - Faint emission lines of gaseous nebulae, 23:48592
  - Line intensities in NGC 7027, 25:52525
  - Spectrophotometric studies of gaseous nebulae. X, 22:41239
  - Spectrophotometric studies of gaseous nebulae. XIX, 25:52513
  - Spectrophotometric-studies of gaseous nebulae. VIII, 22:13184
- KALER, J. H. Spectrophotometric studies of gaseous nebulae. XI, 23:5100
- KALER, James B. Chemical abundances and the parameters of planetary nebulae, 24:35033
  - Efficiency of the Bowen fluorescent mechanism, 21:39749
  - Radial velocities in Orion Nebula, 21:31144
  - Radio recombination lines and anomalous Balmer line intensities, 22:4975
- KALER, V. L. Determination of the self-absorption curve in experiments employing radiocarbon, 22:14972
- KALES, A. N. Characteristics of hereditary anemia of Sl/sup m/ mutant mice, 21:22374 (ACRH-26, pp 23-32)
- KALET, Ira J. Low-energy Compton scattering by arbitrary-spin targets, 23:15030
- KALET, Ira Joseph Meson production by real and virtual photons, 23:44627
- KALETTA, D. Atomic interaction potential for nickel, 25:59145
- KALEY, G. S. Sterilization of anthrax-contaminated mink pelts by radiation, 21:34847
- KALGAONKAR, M. A. Balloon borne instrument for the study of cosmic x-rays, 25:49006
- KALIA, H. R. Mutagenicity of ^{32}P and ^{35}S in barley, 25:39830
- KALIBABCHUK, V. A. Behavior of $ThCl_4$ and formation of thiocyanate complexes of Th in nonaqueous solutions, 21:75
  - Reactions of $ThCl_4$ with Na and K selenocyanates in anhydrous solutions, 22:8073
  - Studies of $ThCl_4$ complex solvates with dimethylformamide and CH_3OH by NMR method, 22:12301
  - Thorium nitrate complexes, 23:4637
- KALIBERDA, S. G. Some pecularities of cognition of microworld, 25:27929 (ITF-70-62-E)
- KALIBERDA, V. S. Velocity distribution of stars of equal mass in clusters, 25:27336
- KALIBJIAN, R. Electron beam profile indicator, 21:41299
- KALICHEVA, I. S. Neutron activation determination of scandium in meteorites, 21:32106
  - Simulating cosmic-ray interactions with stony meteorites, 24:32528

Study of distribution of Sc, Ce, and Eu between the various phases of meteorite matter, 25:19302
KALICIN, Nikola St. Interaction between galaxies and stars, 24:28045
Solutions of multidimensional theory of gravitation, 22:26150
KALIEV, K. A. Initial stage of uranium dioxide electrocrystallization from chloride melt, 22:52236
Passivation of uranium dioxide cathodic deposits in chloride melts, 25:236
KALIFA Analysis of particles by means of junction detector in image plane of magnet, 21:45354 (LYCEN-6738, pp 40-1)
KALIFA, J. Experimental study of the reaction ^{32}S(^{3}He,α)^{31}S, 22:3685
Reaction (^{3}He,α) with ^{28}Si and ^{32}S, 25:25702
Reactions (^{3}He,α) on light nuclei, 22:27021
Study of ^{28}Si(^{3}He,α)^{27}Si at low energy, 25:17829
Study of the reaction ^{40}Ca(^{3}He,α)^{39}Ca, 23:10976
KALIFA, Jacques Excited levels of ^{38}K, 25:34022
KALIKHMAN, L. E. Approximation method of calculation of the boundary layer of dual-temperature plasmas on electrodes at higher values of the Hall parameter, 25:59051
Boundary layer of two-temperature plasma on electrodes of MHD channel, 23:42034
Elements of magnetogasdynamics, 21:7072
Integral equation for induction of magnetic fields in flow of dissipative plasma, 24:42695
Possibilities of supersonic plasma flow investigation by means of a pilot tube combined with an electric probe, 22:9286
KALIKINSKAYA, M. P. Transition radiation of a periodically moving charge, 21:35021
KALIN, T. Pulsed neutron measurements of the microdistribution in a graphite pile with empty channels, 24:20610
KALINA, C. Arylamine in blood of rats following ionizing radiation, 22:28347
KALINA, Ivan Modification of protective effect of hypothermia during irradiation of mice, 25:24371
KALINA, V. K. ISKRA-1 medico-biological investigations, 22:49340
KALINA, V. O. Changes in Na, K, Ca, Zn, and Cu blood content following radiation therapy, 22:45436
KALINAUSKAS, R. Bilinear form constructed from the infinitesimal operators of the U_3/sub (n - 1)/-group, 24:30912
Clebsch—Gordan coefficients in unitary symmetry scheme calculations, 24:28116
Irreducible structure of bilinear forms constructed from infinitesimal operators of U_3/sub (n - 1)/-group, 24:30913
Wigner—Majorana energy and matrix elements of SU_3-invariant interactions, 24:30911
KALINAUSKAS, R. A. Decay of /sup 117m/Sn, 24:38261
Effect of chemical bond on internal conversion in valence shell of 35.48 keV γ transition in ^{125}Te and estimate of nuclear radius change, 25:38596
L/sub I/:L/sub II/:L/sub III/ ratios for M4-transitions in ^{123}Te, ^{125}Te, ^{127}Te, and ^{129}Te nuclei, 24:13388
KALINAUSKAS, R. K. Nuclear energy potentials as function of quantum number of the model hamiltonian symmetry group, 23:47083
Potential energy dependence on quantum numbers of unitary symmetry scheme model, 24:11060
Potential energy splitting on the supermultiplet quantum numbers, SU(3) invariant interactions, and the total orbital momentum of the nucleus, 24:30891
KALINCHENKO, P. A. Compiler realizing FORTRAN language for Minsk-22, 23:21594 (IFVE-SVM-68-30-K)
KALINER, Lois F. Isotope effects in decarboxylation of 1-^{14}C-dicarboxylic acids, 21:32163
KALINICHENKO, A. F. Twice-logarithmic asymptotic behavior of amplitude of annihilation $e^+e^- \rightarrow n\,\gamma$, 24:18113 (ITF-69-88)
KALINICHENKO, A. I. Double-logarithmic asymptotics of the annihilation amplitude $e^+e^- \rightarrow n\gamma$, 24:52016
Electromagnetic form factors of nucleons in $\tau + n \rightarrow e^- + p$ and anti$\tau + p \rightarrow e^+ + n$ reactions, 24:18125
KALINICHENKO, L. P. Effect of D_2O, glycerol, aliphatic alcohols, and possible role of hydrophobic interactions in electron transport in mitochondria, 22:45452
KALINICHENKO, M. A. Method of elaborating schemes of transverse body section for teleradiotherapy, 23:18074
KALINICHENKO, S. S. Excitation of ion cyclotron waves in a plasma in a toroidal magnetic trap, 25:7359
Experiments on high-frequency heating of a plasma in a toroidal trap, 25:38392 (CONF-710607-144)
Heating of plasma ions by an external stochastic field, 23:18595
KALINICHEV, Yu. V. Level diagram for ^{151}Pm, 22:9867
Lower excited states of ^{151}Pm, 23:47003
Nature of low-lying excited states of ^{151}Pm, 23:44901
Spin of ^{52}V ground state, 21:40406
KALININ, A. Equipment for short-lived isotope production in proton beam of synchrocyclotron, 22:26736 (JINR-P6-3773)
KALININ, A. A. Proton Synchrotron-injector (18 GeV) to the 1000-GeV cybernetic accelerator, 22:32343 (CEAL-2000, pp A115-16)
KALININ, A. I. Chromatographic separation and complexonometric determination of Al, Ti, and Fe in microanalysis of silicates, 25:37294
Measurement of pp and pd scattering at 4.0 Gev, 21:883
Radioactivation analysis of silicon dioxide using ion-exchange chromatography, 22:12227 (AD-662383)
Timing with Ge(Li)-detector, 25:29353 (JINR-P13-5708)
X-ray spectrometer with cooled Si(Li)-detector, 25:29325 (JINR-P13-5707)
KALININ, B. N. Measurements of the asymmetry ratio of positive-pion photoproduction by linearly polarized photons, 25:19889
Obtaining of monochromatic gamma-quantum beam in ^{7}Li(pγ)^{8}Be reaction, 23:39940
KALININ, E. K. Crisis of film boiling in channels, 24:19149
Effect of the variable volume of a reservoir on the resonant frequency and on the convective heat transfer in pulsating flow in a tube, 24:9585
Heat exchange in a channel with densely packed tube or rod bundles, 21:45300
KALININ, E. P. Geochemistry of U and Th in granitoids, 23:47656
KALININ, G. Electrical and corrosion properties of alloys of the titanium corner of the titanium—vanadium—molybdenum system, 23:14298
KALININ, G. P. Physical and mechanical properties of alloys of the Ti—Nb—Mo system, 21:3500
Physical and mechanical properties of alloys of the Ti—Nb—V system, 21:31014
Production of Nb-plated Ti28V bimetal by explosion method, 22:47670
Superconducting alloys of Nb—Al—Ge system, 25:58948
KALININ, M. I. Annealing of radiation-induced decrease of CaF_2 crystal density, 25:49980
Radiation expansion of CaF_2 crystals, 24:21871
KALININ, N. N. Group separation of fission products by chromatographic method, 25:20930
KALININ, P. I. Thermodynamic properties of alloys of the zirconium—niobium system, 22:28790
KALININ, S. K. Radiogenic osmium in rhenium-bearing ores, 25:21189
Radiogenic osmium in rhenium-containing ores, 24:29384
Spectrographic determination of radiogenic osmium, 22:16458
KALININ, V. A. Effects of γ-quanta irradiation on creep process in zinc monocrystals, 24:10129
Rf control system for beam of 70-GeV proton synchrotron, 24:28641 (CERN-Trans-69-24)
KALININ, V. F. Thermonuclear reactor of the future, 21:3813
KALININ, V. G. Fast electrons and x radiation during the initial stages of an impulse spark discharge in air, 22:16905
KALININ, V. L. Inactivation and mutagenesis on isolated DNA. III, 22:30971
Inactivation and mutagenesis on isolated DNA. V, 24:31858
Inactivation and mutagenesis on the isolated DNA. I, 21:32624
Mutant of Bacillus subtilis synthesizing riboflavin, 23:22263
KALININ, V. M. Scanning and measuring projector for bubble chamber track measurement, 21:19918
KALININ, V. P. Density of interstitial phases of Zr compounds, 24:23532
Neutron-diffraction investigation of zirconium nitride-hydride, 24:46752
Neutron-diffraction study on zirconium carbohydride, 24:27872
Ternary compounds in Zr—H—C and Zr—H—N systems, 22:31521
Thermodynamics of interstitial three-component phases of the carbohydride type, 22:31507
Y—YH_2 phase diagram at room temperature, 25:35582
KALININ, V. V. Selection of an optimal cooling system for superconducting magnets, 25:49851 (NP-18978)
KALININ, Yu. A. Effect of the nonuniform distribution of heat flow along a tube on the heat transfer crisis, 23:50019 (FEI-150)
KALININ, Yu. D. Nondipole part of the geomagnetic field affects the magnetosphere boundary, 22:15456
KALININ, Yu. G. Advances in research on turbulent heating of a plasma, 25:38341 (CONF-710607-49)
Anomalous resistance of plasma during turbulent heating, 24:23948
Asymmetry of distribution of turbulent electric fields in direct-discharge plasma, 25:43344
Current-interchange instability in turbulent heating of a plasma by a current, 25:14344
Energy losses and efficiency of turbulent heating of plasma, 23:18587
Observation of plasma noises in case of turbulent heating, 24:19869
Scattering of electromagnetic waves on turbulent plasma pulsations, 22:44198
Study of energy losses and effectiveness of turbulent heating of plasma by current, 23:36644 (IAE-1656)
KALININA, L. V. Hereditary changes caused by x-irradiation in amoeba proteus, 22:36236
KALININA, N. A. Influence of radiation on febrile reaction, 22:49511
Problem of radioprotective action of pyrogens, 21:22468
KALININA, N. E. Chromatographic separation and complexonometric determination of Al, Ti, and Fe in microanalysis of silicates, 25:37294
KALININA, N. G. Spherical granules of tungsten carbide, 22:38612
KALININA, N. P. Radiosensitivity and mutability of different pea varieties treated by gamma-rays, 21:28422
Radiosensitivity of induced pea mutants, 23:31698
KALININA, T. V. Role of the cervical and abdominal regions of the sympathetic nervous system in changes of blood and blood circulation upon the action of chronic hypoxia and ionizing radiation, 21:16445 (JPRS-38272, pp 246-7)
KALININA, V. E. Determination of Ru(III), 23:45199
KALINIYA, Z. K. Coefficients of accumulation of Sr and ^{90}Sr in lake plants and plankton, 23:24585
KALINKIN, B. H. Coulomb distortion effects of colliding nuclei, 25:50824
Theory of Coulomb decay in reactions between complex nuclei, 25:50823
KALINKIN, B. N. Accuracy of calculation of one-particle states of deformed nuclei, 22:30050
Average field of excited nuclei, 25:12632 (JINR-P4-5084)
Calculations of single-particle states of deformed nuclei, 21:40465 (JINR-P4-3326)
Calculations of single-particle states of deformed rare earth nucleic in approximation of finite potential with diffuse edge, 23:17114
Coulomb interaction in nuclei, 21:12077 (JINR-P4-2981)
Coulomb interaction in nuclei, 21:30043
Diffraction effect in the angular distribution of transfer reaction products, 21:17404
Inelastic scattering of complex nuclei accompanied by the excitation of collective states, 22:18333
Levels of mean nuclear fields, 21:25572
N-forbidden beta transitions in odd-mass deformed nuclei, 22:39713
N-forbidden β transitions in deformed nuclei in approximation of finite potential with diffuse edge, 22:48563
N-forbidden β-transitions in odd-mass nuclei, 22:14075 (JINR-P4-3650)
One particle levels of average field in deformed nuclei, 21:12076 (JINR-P4-2976)
One-particle states of deformed nonaxial nuclei, 22:1708 (JINR-E4-3453)
One-particle states of deformed nuclei of rare-earth region, 21:40424 (JINR-P4-3451)
Reaction of complete fusion of nuclei, 25:47577
Reactions in complete fusion of nuclei, 25:5115 (JINR-P4-5019)
Single-particle states of the mean field of deformed nuclei, 22:5907
Spin-orbital interaction in heavy deformed nuclei, 21:34026 (JINR-P4-3325)
Tables of wave functions of one-particle states of deformed nuclei of rare-earth region, 22:9852 (JINR-P4-3607)
KALINKIN, Boris N. Nuclear field and one-particle nuclear levels, 24:22220
KALINKIN, L. F. High-energy electrons in circumterrestrial space, 25:22408
High-energy γ quanta at the upper limits of the atmosphere, 21:31271
Luminosity of certain extragalactic objects in hard γ-ray region, 25:49631
Measurements of gamma-quantum flux in primary cosmic radiation with energies exceeding 50 MeV aboard the satellite Kosmos-208, 25:16859
Measuring device for high-energy gamma quanta in the primary cosmic radiation, 21:37214
KALINKINA, O. M. Preparation of radioactive tracers, 21:135
KALINKOV, M. Autocorrelation of solar activity, 23:20640
Certain laws of concentration density of stars and galaxies, 21:20706
Determination of the mean population of clusters of galaxies, 22:38660
Discrete distances to outer galactic objects, 23:44144
Discretization of the distances to quasars, 22:38715
Hypothesis of quasi-stellar radio sources, 21:18381
New characteristics of Coma cluster of galaxies, 24:28042
Stationary character of Universe, 22:26108
Time autocorrelation of the sunspot surfaces, 22:41148
KALINKOV, Marin Autocorrelation of the sunspot numbers, 23:18352
Classification of the quasar hypotheses, 23:18336
Comparison of observed and random distribution of galaxy counts, 24:32586
Correlation between mean major diameters of some galaxies and their B(0) magnitudes, 24:32585
Count of galaxies on PA 83, 23:18360
Investigation on clusters and groups of clusters of galaxies, 22:26152
Possible verification of some cosmologic models, 24:28060
Statistical verification of a hypothesis for quasars, 22:26151
KALINNIKOV, V. G. Conversion electrons of ^{160}Ho and levels of ^{160}Dy, 23:47004
Decay chain of ^{138}Nd $\rightarrow$ ^{138}Pr $\rightarrow$ ^{138}Ce, 22:3695 (JINR-P6-3541)
Decay chain of ^{140}Nd $\rightarrow$ ^{140}Pr $\rightarrow$ ^{140}Ce, 21:38298 (JINR-P6-3348)
Decay mode of ^{158}Er, 22:1652 (JINR-P6-3496)
Decay of ^{139}Nd, 25:36724 (JINR-P6-5673)
Decay of ^{140}La and ^{140}Pr, 25:25755
Decay of ^{158}Ho, 22:5814 (JINR-P6-3464)
Decay of ^{159}Ho, 22:13995 (JINR-P6-3634)
Decay scheme of ^{158}Er, 23:8979
Decay scheme of ^{159}Er, 22:16008 (JINR-P6-3660)
Decays of Nd and Pr nuclides with mass number A = 138, 25:36725 (JINR-P6-5674)
Isomeric state of I/sup π/ = $^{11}/_2{}^-$ (h/sub $^{11}/_2{}^-$/)^{137}Nd and ^{137}Pr type, 22:5815 (JINR-P6-3468)
New ^{134}Nd isotope and its decay products, 22:37344 (JINR-P6-3823)
New isotope ^{136}Nd and its decay products, 23:11029
New short-lived activities ^{163}Yb, /sup 165m/Tm, /sup 163m/Tm, /sup 161m/Tm, ^{159}Tm, 22:46765 (JINR-P6-3945)
Positrons in ^{147}Gd decay, 21:2741
KALINNIKOVA, I. A. Apparatus for extraction of radioactive argon from a chlorine-containing substance, 24:50515 (BNL-tr-364)
Installation for extracting radioactive argon from chlorine-containing substance, 23:46332
KALINOVICH, D. F. Diffusion of Ni in Ni—20 at. percent Mo in electric field, 24:10054
Electric transport and diffusion of Mo in Ni—Mo solid solution, 24:19980
Electrotransfer in molybdenum-base alloys, 21:41598

Electrotransport of Mo in Ni—18 at. percent Mo alloy, 25:29856
Electrotransport of nickel in molybdenum—nickel alloys, 25:32688
Galvanic precipitation of Mo and W from aqueous solutions, 23:13702
High-temperature mobility of atoms of molybdenum—tungsten system components, 21:9165
Sign and degree of ionization of Mo in a Ni—Mo alloy, 23:14878
State of nickel atoms in a nickel—molybdenum alloy, 24:46723
KALINOVSKAYA, G. A. Phase equilibria in HfO_2—Sc_2O_3 system, 23:10274
KALINOWSKA-TORZ, Jadwiga Agents protecting against irradiation. IX, 22:49425
KALINOWSKI, Bohdan Plasma application in chemical technology. I, 25:40613 (INR-1284)
Plasma application in chemical technology. II, 25:40654 (INR-1285)
Structure of pyrolytic carbon coatings on U dicarbide particles, 21:6883 (INR-753/IV,II/C)
KALINOWSKI, J. J. Simple and efficient switched-mode approach to hardened power amplification, 25:21495
KALINOWSKI, Joseph E. General method for constructing lyapunov functions employing frequency-domain concepts, 23:4437
KALINOWSKI, W. L. Adsorption of krypton and of mixed xenon and krypton on activated charcoal, 21:36198 (BNL-724)
KALINYAK, A. A. Velocity field distribution in the solar photosphere, 25:19404
KALINYUK, N. N. Determining hydrogen content in niobium by high-temperature vacuum heating, 21:45026
Solubility of hydrogen in liquid niobium, 22:52187
KALIS, H. Gamma radiation from cylindrical source, 22:10516
KALIS, Kh. E. Numerical calculation of flow of electrically conducting fluids between rough plates in the presence of transverse magnetic fields, 22:9157
Plane-parallel flow of viscous incompressible liquids in channels under the effects of a transverse magnetic field, 22:21988
KALISH, D. Current status of applied superplasticity, 25:16490
KALISH, David Diboride materials, candidates for aerospace applications, 24:12457
High-pressure, high-temperature ceramic structures, 21:31074
High-pressure, high-temperature ceramic structures, 22:2684
Strength, fracture mode, and thermal stress resistance of HfB_2 and ZrB_2, 23:22655
KALISH, Herbert S. Powder metallurgical production of Zr—U core materials, 21:9089 (SEP-40(Del.))
KALISH, R. Analog states of ^{88}Sr, 25:10011
Anomalous hyperfine fields in Fe hosts, 21:44149 (COO-7-0423)
Anomalous hyperfine fields in Fe hosts, 22:46803
Decay of /sup 141m/Nd, 25:15014
Evidence for transient hyperfine fields on fast ions in ferromagnetic media, 22:29241
g-factors for 2^+ states of doubly even nuclei, 23:42906
Gyromagnetic ratios and internal fields in even Nd isotopes, 21:23502
Internal magnetic fields at Mo, Ru, Pd, Sm, and Pt nuclei implanted in Fe, Co, Ni, and Gd metals, 21:44148 (COO-7-0422)
Internal magnetic fields at Mo, Ru, Pd, Sm, and Pt nuclei implanted in Fe, Co, Ni, and Gd metals, 22:46267
Magnetic hyperfine fields acting on heavy nuclei recoiled into Fe, Co, and Ni, 21:2607
Magnetic moments of first excited 2+ states in even Hg isotopes, 22:46788
Magnetic moments of first excited 2^+ states in even Hg isotopes, 21:44661 (COO-7-0424)
Magnetic moments of the first excited 2^+ states in the even Pt isotopes, 21:44704
Measurements of equilibrium charge states of Br, I, Ta, and U µp to about 200 MeV, 21:19112
Particle-core structure in the spectra of the strontium nuclei, 25:28234
Precession measurement of 845-keV level of ^{56}Fe implanted in Fe after a (p,p') reaction, 22:46751
Precession measurements following Coulomb excitation with O ions. II, 21:4300
Precession measurements following Coulomb excitation with oxygen ions. III, 21:7792
Precession measurements of 0.847-MeV level of ^{56}Fe implanted in iron after (p,p') reaction, 22:13968
Static and transient hyperfine magnetic fields at Ba isotopes recoiled in iron, 25:3686
Stopping power of solids for fast-moving tantalum ions, 23:41921
KALISH, Rafael Electromagnetic properties of first 2^+ states of even Hg isotopes, 24:52584
Magnetic moment measurements of the 211.2 keV($^3/_2{}^-$) and 239.8 keV($^5/_2{}^-$) states of ^{195}Pt, 24:6897
Magnetic moments of core excited states of odd nuclei near A = 100, 24:49803
Measurements of 545 keV (6^+) rotational state of ^{154}Sm, 25:39001
Revised level scheme of ^{199}Hg following Coulomb excitation, 25:20387
Transient fields on recoil nuclei following Coulomb excitation, 24:49942
KALISH, Sheldon Heat transfer to NaK flowing through unbaffled rod bundles, 22:12526
Probe for detection of voids in liquid metals, 23:731
Two-phase pressure drop for potassium with and without net vaporization, 25:8405 (BNL-13957)
KALISHER, A. L. Correlations on the interval of pulsations of decreasing period on Feb. 12, 1964, 22:48018
Relationship between disturbances in lower ionosphere and geomagnetic Pi1 pulsations, 25:33133
KALISHINA, L. N. Express-method for determining ^{90}Sr in plants, 25:4039
KALISH R. Resonance structure in the ^{88}Sr(p,p') octupole transition, 25:28240
KALISKI, S. Analogy between the equations of spin waves and those of wave mechanics, 24:42849
Averaged equations of laser heating of D—T plasma, 25:58965
Classical approach to the equations of quantum mechanics in an electromagnetic field, 25:12062
WKB method in classical approach to quantum mechanics, 25:12063
KALISS, Nathan Isoantigens available to circulating antibodies, 23:22229
Micromethod for assaying immune cytolysis, 24:4541
KALISTRATOVA, V. S. Behavior of ^{99}Mo in rats, 25:23969 (AEC-tr-7195, pp 186-91)
Behavior of colloidal ^{198}Au in the body, 25:23971 (AEC-tr-7195, pp 197-208)
Biological effects and kinetics of the elimination of tritium oxide in dogs, 24:9769
Distribution of ^{54}Mn in rats, 25:23970 (AEC-tr-7195, pp 192-6)
Effect of certain factors on behavior of ^{111}Ag in organism of animals, 23:22173 (AEC-tr-6944, pp 188-93)
Effect of pathway of administration on behavior of colloidal gold (^{198}Au) in organism of white rats, 23:22155 (AEC-tr-6944, pp 44-53)
Toxicity of tritium oxide in rats, 23:47941
KALISZ, J. Determination of coincidence-circuit statistical parameters by means of the point method, 21:28325
Determination of statistical parameters of a triple coincidence circuit, 21:26298
Determination of statistical parameters of the double—triple coincidence circuit, 22:40485 (INR-904)
Determination of the efficiency of double and triple coincidence circuits at a given resolution, 23:16207
New designs of transistorized radiometers, 24:9643
Program for calculating statistical parameters of the triple coincidence circuit, 23:17835
KALISZ, Jozef Analysis of fast double—triple and double—multiple coincidence circuits, 23:17820 (INR-964)
Analysis of fast two- and multifold coincidence circuits influenced by statistical time spreads, 22:2450 (INR-806/III/E)
Fast pulse shaper employing a tunnel diode, 21:36451
Statistical analysis of multifold coincidence circuits, 22:10641
KALISZEWSKI, T. Interpretation of plasma measurements in a waveguide interactometer, 21:5250
KALITEEVSKAYA, E. N. Spectral-kinetic characteristics of uranyl ion in glass, 24:30144
KALITIN, V. I. Phase diagram of Pr—Se system, 21:28840
KALITINA, L. N. Electron-microscope and electron-graphic studies of ash of mixed heavy metal ferrocyanides, 22:35825
KALITKIN, N. N. Approximate theory for amplification of magnetic fields, 24:37501
Conductivity of low-temperature plasma, 23:51661
KALITSIN, Nikola Solar activity and variability of gravitational constant, 23:46223
Solution of the spherically symmetric problem in the two-temporal theory of relativity and of gravitation, 24:10843
KALITSIN, Nikola St. Collapse and anticollapse in supernovae, in radiogalaxies, in quasars, and in superclusters of galaxies, 22:41146
Effect of Dicke and multitemporal theory of relativity, 22:41860
Masses of elementary particles and the multitemporal theory of relativity, 22:41758
New interaction between galaxies and stars of the electromagnetic type, 24:32584
Singularities of the special theory of relativity, 22:41841
KALITZIN, N. Exact solution of Einstein's gravitational equations and its application to groups of galaxies and quasi-stellar radio sources, 21:18851
KALITZIN, N. St. Multidimensional theory of gravitation, 21:29411
Some astronomical effects of multi-dimensional gravitational theory, 21:21120
KALITZIN, Nikola St. Effect of Dicke and the multitemporal theory of relativity, 22:26711 (JINR-P2-3590, pp 201-10)
Multitemporal theory of relativity and its applications to quasars and to elementary particles, 21:17015
KALIVODA, L. Influence of supply lead geometry of plasma accelerator on shape and velocity of shock wave, 21:13591
KALIVODA, R. Analysis of multi-parameter systems by analog computer, 24:36006 (ZJE-73)
Dynamics of primary circuit of atomic power plant, 23:26042 (ZJE-34)
KALIVODA, Radoslav Primary cycle dynamics of a nuclear power station in the series arrangement of main and additional circulation blowers, 21:27735
KALIX, E. Study on the application of tracer systems to localize failed fuel elements, 21:14117
KALIX, Erika Bibliography on direct conversion of nuclear energy into electric energy, No. 12, 1/67, 21:18485 (AED-C-15-12)
KALJANOV, D. M. Apparatus for carrying out radiation-chemical and microbiological investigations, 24:356
KALKANOVA, E. V. Ratio of sexes in F_1 after irradiation of female and male imagos of Sitotraga cerealella, 25:42610
KALKER, J. J. Time dependent coolant temperature after a step increase in power, 22:10019
KALKER, K. J. Preliminary investigations on planned impulse reactor project, 21:5689 (JUL-343-RE)
KALKER-KALKMAN, C. M. Time dependent coolant temperature after a step increase in power, 22:10019
KAL'KIS, V. Ya. Efficiency of some antioxidants in the thermooxidative degradation of irradiated polyethylene, 25:57462
Production by radiation methods of self-shrinking polyethylene films, 22:33381
Thermostabilization of irradiated filled polyethylene, 25:57446
KALKOFEN, W. Deviations from LTE in stellar photospheres, 22:13173
Harvard-Smithsonian reference atmosphere, 25:49665
Line formation in pulsating variable stars, 25:58543
Observational test for departures from LTE in the spectral range B5 to A0, 21:37063
KALKOFEN, Wolfgang Solar Lyman continuum and the structure of the solar chromosphere, 25:11614
KALKOFF, P. Radiotherapy of Hodgkin's disease. I, 25:44867
KALKSTEIN, Marvin International arrangements and control for the peaceful applications of nuclear explosives, 25:10751
KALKWARF, D. R. Long-lived free radicals formed in irradiated dye solutions, 22:33373 (BNWL-SA-1840)
Long-lived organic radicals formed by irradiation of FD and C Blue No. 2 in aqueous solution, 23:49815 (BNWL-1051(Pt.2), pp 158-60)
Rate constants of organic compounds with hydroxyl radicals, 23:49766 (BNWL-1051(Pt.2), pp 157-8)
KALLAS, E. Muehleberg atomic power plant (300-MW) of the Bern Power System AG, 24:47699
KALLAY, N. Scintillations in living nerve induced by β-radiation of tritium, 21:12974
KALLE, G. P. Mutation to ultraviolet resistance and filament formation in bacteria, 21:18187
KALLEE, E. New hematocrit correction for the uptake in vitro of ^{131}I-triiodothyronine by erythrocytes, 21:45538
KALLEN, G. Different approaches to field theory, especially quantum electrodynamics, 23:15214
Old and new ideas in field theory, 22:18003
KALLENBERG, G. P. Fracture toughness of low-strength steels, 25:37949 (WAPD-TM-895)
KALLERO, K. E. New type of reactor containment of prestressed concrete, 23:4149
KALLFELZ, F. A. Biological effects of implanted nuclear energy sources for artificial heart devices, 24:2776 (NYO-4039-1, pp 150-62)
Blood ^{59}Fe and ^{51}Cr kinetics in normal horses for comparison with horses infected with equine infectious anemia, 22:28539 (NYO-2147-13, pp 87-94)
Body composition and ^{137}Cs body burdens in college women using the whole body counting technique, 22:28448 (NYO-2147-13, pp 64-71)
Implanted nuclear power sources for artificial hearts, 23:35893
In vivo estimation of bone mineral content, 24:2136 (NYO-4039-1, pp 74-8)
Radiobiological effects of simulated nuclear power sources for artificial hearts, 25:4433
Use of radionuclides in veterinary medicine, 24:2728 (NYO-4039-1, pp 79-83)
KALLFELZ, Francis A. Intestinal absorption of oleic acid ^{131}I and triolein ^{131}I in differential diagnosis of malabsorption syndrome and pancreatic dysfunction in dog, 22:28281 (NYO-2147-13, pp 72-7)
KALLFELZ, J. EBR-II power coefficient variations during operational run 26, 22:32847
Feasibility of a 10^{16}-flux reactor, 21:40676 (KFK-579)
KALLFELZ, J. M. Angular dependent thermal neutron leakage spectra, 21:29860
Exploratory calculations for a gaseous core fast breeder reactor, 25:5971
Fast reactor integral studies of modifications to ENDF/B ^{238}U inelastic scattering, 24:7288
Fast-neutron cross sections, 23:37754
Improved variational solution to the energy-dependent Milne problem for realistic scattering kernels, 21:25415
Influence of chemical binding on Milne problem neutron leakage spectra, 21:30193
Integral and angular characteristics of thermal neutron leakage spectra, 22:29866
Neutron energy spectra for fast reactor irradiation effects, 24:7082
Neutron-energy spectra for fast reactor irradiation effects, 24:47830
Space-dependent steady-state thermal-neutron spectra in beryllium above the critical buckling, 25:6107
KALLFELZ, John M. Use of Argonne National Laboratory computers in nuclear engineering education, 25:6194
KALLI, Heikki Accuracy of transport theory calculations of an anisotropic neutron flux, 22:15935
Variational approach to selection of direction sets in discrete S/sub n/ approximation to neutron transport theory, 22:39936
KALLIGA, G. P. Effects of ZrO_2 on Zr ceramics, 23:48539
Electric conductivity of solid solutions of calcium oxide in zirconium dioxide at elevated temperatures, 21:43661
KALLINGS, L. O. Code of practice for radiosterilization of medical products, 22:52068
KALLIO, A. Accurate calculation of the reaction matrix in light nuclei, 21:38403
Accurate calculation of the reaction matrix in light nuclei and in nuclear matter, 23:13343
Comparison of Brueckner and Jastrow methods in electron scattering, 25:59704
Meson mass spectrum in the quark model, 23:13089
Muon capture and the ground state of ^{16}O, 24:43178
Muon capture rate in ^{16}O and ground-state wave function, 25:17722
Muon-capture in ^{16}O-renormalization of one-body operator, 24:22097
Relative-angular-momentum-zero part of two-nucleon wave functions, 21:30065
KALLIO, Alpo Solution of Bethe—Salpeter equation for fermions, 22:50361

- KALLIO, Paavo UV-induced facies change in M. torreyi, 23:45962
- KALLISTRATOS, G. Determination of body composition of living pigs by ^{40}K gamma radioactivity measurements. II, 21:28393
  - Determination of body composition of living pigs by ^{40}K gamma radioactivity measurements. I, 21:28396
- KALLMAN, Hartmut Temperature dependence of energy degradation in organic liquid scintillators, 22:40416
- KALLMAN, R. F. Effect of pre-irradiation on the ratio of oxygenated and anoxic cells in a transplanted mouse tumor, 23:41359
  - Effects of different schedules of dose fractionation on the oxygenation status of a transplantable mouse sarcoma, 24:21295
  - Oxygenation status of a transplantable tumor during fractionated radiation therapy, 22:31161
  - Preferential radiosensitization of mouse sarcoma relative to normal skin by chronic intra-arterial infusion of halogenated pyrimidine analogs, 25:47007
  - Repopulation and reoxygenation as factors contributing to the effectiveness of fractionated radiotherapy, 24:29880
- KALLMAN, Robert F. Cyclic fluctuations in radiosensitivity, 21:34752
  - Post-irradiation cyclic radiosensitivity changes in tumors and normal tissues, 22:49479 (CONF-680410-, pp 20.1-23)
  - Proliferation of mammalian cells in tissue culture. Effects of single and multiple doses of ionizing radiations, 21:36710
  - Radiation effects on cancer cells, 24:32153
  - Recuperation from lethal injury by whole-body irradiation. II, 21:6630
- KALLMANN, H. Electroluminescence and band gap in anthracene, 21:7330 (AD-635433)
  - Energy transfer from high-lying excited states, 21:19673
  - Liquid scintillators at high temperatures, 23:2605
  - Photo-oxidation and reduction of aromatic molecules at surfaces, 22:25346
  - Transfer-state population in liquid scintillators, 25:21419
  - X-ray-induced currents in anthracene and tetracene, 24:1473
- KALLMANN, Hartmut P. Prog. rpt. on energy transfer during transient nuclear pulses, 3/62—4/64, 21:23244 (AD-802845)
- KALLMANN, S. Application of modified counter-current technique to the determination of tungsten in molybdenum, 22:16437
  - Improvement of the sensitivity of molybdenum and tungsten determination in niobium and tantalum, 22:48837
- KALLMANN, Silve Determination of traces of nitrogen in refractory metals and alloys by hydrofluoric acid—phosphoric acid—potassium dichromate decomposition and indophenol photometry, 22:16448
- KALLO, A. Investigations of radiation-induced solid-state polymerization. XXVI, 25:18431
- KALLO, Antal Investigations in the field of radiation-induced solid state polymerization. XXVI, 24:41344
- KALLOGLYAN, A. T. Colorimetric measurements of galaxy NGC 6946. I, 23:3232
  - Large-scale photographs of some Markaryan galaxies, 24:46954
  - Luminosity function of field galaxies, 24:30108
  - Three-color photometry of Stephan's quintet, 23:30276
- KALLOGLYAN, N. L. Continuous emission of SS Cyg, 22:43809
  - Three-color photometry of Stephan's quintet, 23:30276
- KALLOSH, R. E. Axiomatic field theory and algebra of currents, 22:22340
  - Dispersion sum rules and Cabibbo—Radicati relation, 21:33658
  - Dispersion sum rules and Cabibbo-Radicati relation, 21:893 (JINR-E-2865)
- KALLUP, Charles Protecting Ta alloy at 3500 deg F in air, 21:9065
- KALLURI, D. First-order coupled differential equations for waves in inhomogeneous warm magnetoplasmas, 21:46369
  - Propagation of oblique electromagnetic waves through warm plasma slab, 21:40007
- KALLURI, Dikshitulu Waveguide modes of a warm drifting uniaxial electron plasma, 24:18011
- KALLURI, Dikshitulu K. Numerical solutions of electromagnetic waves in inhomogeneous magnetoplasma slabs, 23:23204
- KALM, H. Decay of ^{119}Te isomers and structure of ^{119}Sb, 22:35327
  - Decay of ^{119}Te isomers and structure of ^{119}Sb, 24:18422
- KALMA, A. H. Effect of 50-MeV electrons of ultimate Fermi level in Ge, 23:3563
  - Photoconductivity studies of Li-doped Si irradiated with 1.5 MeV electrons, 25:30653
  - Radiation-induced photoconductivity of silicon, 22:36994
- KALMA, Arne Haerter Photoconductivity including stress-induced dichroism of defects in silicon, 23:1555
- KALMAKOV, A. A. Methods for spectrographic analysis of isotopes, 25:12
  - Scintillator for the Moessbauer spectrometer, 22:40458
- KALMAN, Bala Effect of ionizing radiation on the keeping quality of sliced pork, 25:27136 (NP-tr-1932)
- KALMAN, C. S. Effects of pairing in the ^{20}Ne nucleus, 21:19212
  - Thermalization calculations in a cylindrical shell, 21:38431 (AECL-2708)
- KALMAN, Erika Conductivity in concentrated aqueous uranyl salt solutions, 25:48514
- KALMAN, G. Angular spectrum of ion cyclotron harmonics, 22:3070
  - Anisotropic temperature plasma instabilities, 22:41631
  - Electrodynamics and statistical mechanics of linear plasma response functions, 24:30340
  - Equilibrium and linear response of a classical scalar plasma, 21:40026
  - Nonlinear collisionless plasma waves and intensity of the electric field of the ionospheric irregularities, 25:38260
  - Nonlinear effects in plasmas, 24:23992
  - Scalar interaction in superdense matter, 22:45845
- KALMAN, Ivan Wood—synthetic material combinations and production of crosslink polyethylene, 23:43348
- KALMAN, Laszlo Alkali chloride electrolysis studies by tracer techniques, 25:31832 (ORNL-tr-2487)
- KALMAN, Thomas I. Glutathione-catalyzed hydrogen isotope exchange at position 5 of uridine. A model for enzymic carbon alkylation reactions of pyrimidines, 25:46488
- KALMANSON, A. E. Change in macrostructure of spin-labelled bovine serum albumin on γ irradiation, 25:46722
  - Effect of small water concentration on free radicals in normal and irradiated lyophilized tissues of warm-blooded animals, 22:28369
  - EPR studies of free radicals, obtained in biologically significant compounds with help of Tesl generator, 22:28368
  - Formation of free radicals in alcohol, 23:43699
  - Formation of free radicals on low-temperature radiolysis of DNA, 23:9486
  - Macrostructure of bovine serum albumin under γ irradiation, 25:29471
  - Study of free radical states in DNA by the EPR method in low-temperature radiolysis, 24:9765
  - Study of irradiated interferon by biological and EPR methods, 22:47467
- KALMAR, Elemer Rapid industrial determination of oxygen in steels by neutron activation, 24:29235
- KALMON, B. Administration of an in-vivo counting program, 23:29499 (GAT-R-444)
  - Environmental radiation levels and concentrations, first half 1966, 21:1739 (GAT-528)
  - Environmental radiation levels and concentrations: second half and annual summaries, 1967, 22:18966 (GAT-553)
  - Environmental radiation levels and concentrations, first half 1969, 24:2596 (GAT-605)
  - Environmental radiation levels and concentrations, 24:21148 (GAT-606)
  - Environmental radiation levels and concentrations, first half 1970, 25:6697 (GAT-628)
  - Environmental radiation levels and concentrations, second half and annual summaries, 1970, 25:32370 (GAT-629)
- KALMON, Ben Administration of an in vivo counting program, 24:41885
- KALMOUKOS, P. E. Possibilities of integrated control of Dacus oleae, 25:29740
- KALMUS, G. E. K^-d elastic scattering and $K^-d \rightarrow K^-pn$ between 810 and 1110 MeV/c, 25:59302
  - $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$ between 1730 MeV and 2150 MeV, 25:7554 (UCRL-19790)
  - $\pi^+ + p \rightarrow \Delta^{++}$ (1236) + π^0 AT 1.85 to 2.09 GeV: study of s- and t-channel effects, 25:43551 (UCR-34-P-107-B-108)
  - π^+p elastic scattering data between 1820- and 2090-MeV cm energy, 25:59309
  - Reaction $\pi^+ p \rightarrow \Sigma^+ K^+$ at 1.28 and 1.41 GeV/c and a test of charge independence, 25:59311
  - Reaction $\pi^+p \rightarrow \Sigma^+K^+$ between 1850- and 2090-MeV cm energy, 25:3283
  - Study of $\pi^+p \rightarrow$ rho$^+$p at 1.85 to 2.09 GeV, 25:43552 (UCR-34-P-107-B-110)
  - Study of Σ (1915) resonance in reaction $K^-p \rightarrow \Lambda\ \pi^0$, 25:9659 (UCRL-19789)
- KALMUS, George Enhancement in Λp invariant mass in $K^-d \rightarrow \Lambda p\pi^-$ interactions, 23:16936
- KALMUS, George E. Experimental study of $K^+ \rightarrow \pi^0 + e^+ + \tau$ decay, 21:37671
  - Interaction $\pi\pi$ from K/sub e4/ decays and K/sub π2/° decays, 24:30434 (CONF-690521-, pp 413-38)
  - Reaction $K^- + n \rightarrow \Lambda + \pi^-$ between 1660 and 1900 MeV center-of-mass energy, 22:13669
  - Reaction $\pi^+ + p \rightarrow \Delta^{++}(1236) + \pi^0$ between 1850 and 2010 MeV center-of-mass energy, 22:46336 (UCR-34-P-107-72)
- KALMUS, P. Cylindrical wire spark chamber with registration by ferrites, 23:47823
- KALMUS, P. I. P. Boson production in p—p collisions at 12.3 GeV/c, 21:9703
  - Large solid angle gas Cherenkov counter for electrons, 21:16124 (CONF-660918-, pp 199-200)
  - Nucleon isobar production in proton—proton collisions, 23:49047
  - Polarization of the Σ^0 and the Λ particles produced in the reaction $\pi^-+p \rightarrow K^0+\Sigma^0(\Lambda)$ at 1.17 and 1.32 GeV/c, 21:5359
  - Spark chamber spectrometer with automatic vidicon readout, 21:16108 (CONF-660918-, pp 63-67)
- KALMYKOV, A. A. Adiabaticity of the motion of plasma bursts in longitudinal magnetic fields, 21:15135
  - Development of instability in a plasmoid upon injection in an axially symmetric magnetic field, 21:3900
  - Dynamics of plasma current in the field of pulsed magnetic barrier, 24:37426 (KHFTI-70-2)
  - Dynamics of plasma currents in corrugated magnetic fields in presence of the Hall effect, 24:40089
  - Dynamics of the current sheet and acceleration of plasma in an electrodynamic rail accelerator, 21:15137
  - Hall current influence on plasmoid dynamics in spatially periodic magnetic field, 23:51634
  - Investigation of a discharge in a pulsed plasma source, 21:3878
  - Investigation of the current layer and the acceleration of plasma in a coaxial plasma gun, 21:44083
  - Mechanism of appearance of high-energy particles in coaxial plasma gun, 21:3884
  - Plasma acceleration in a pulsed coaxial accelerator, 25:43358
  - Rotation and instability in plasma jet impinging on a magnetic field, 24:10530
  - Stabilization of plasmoid boundaries in traversal of corrugated magnetic fields, 21:3901
  - Traversal of a spatially nonuniform magnetic field by plasmoids, 21:3873
- KALMYKOV, A. N. Thermal conductivity of 29NK-type alloy at temperatures between 80 and 239°K, 25:13685
- KALMYKOV, B. M. Deformation of surfaces sputtered under ion bombardment, 22:9003
- KALMYKOV, D. P. System for depression of magnetic field pulsations in Dubna synchrophasotron, 25:36605 (JINR-P9-5724)
- KALMYKOV, L. Z. Electrochemical dosimeters of high-intensity gamma radiation, 23:35520
  - Investigation of children with ^{210}Po contamination in their body, 24:14612
  - Processes of electrochemical oxidation in irradiated solutions of sodium nitrate, 23:40692
- KALMYKOV, N. N. Application of logarithmic normal distribution to the analysis of experimental data on extensive air showers, 23:44621
  - Calculation and studies of longitudinal and transverse development of wide air showers, 22:2842
  - Density fluctuations of Cherenkov radiation in giant air showers at sea level, 22:13281
  - Values of s parameter for extensive air showers, 23:39351
- KALMYKOV, P. G. Effects of ionizing radiations on insects, 25:24316
- KALMYKOV, S. G. Investigation of plasma compression using microwave reflection, 24:37440
  - Plasma compression studies in the Tuman device, 23:32340
  - Research on ultra-high-frequency heating and adiabatic compression of a plasma in the Tuman-2 facility, 25:38389 (CONF-710607-141)
  - Studies of plasma pinch by reflection of ultrahigh frequency waves, 22:44089 (NP-17570)
  - Study of plasma compression by means of reflection of superhigh-frequency waves, 22:39032 (MATT-Trans-59)
- KALMYKOV, Yu. A. Chemico-spectral analysis for determining La, Pr, and Nd in pure Ce dioxide, 21:35853
- KALMYKOVA, G. I. Effects of certain radioprotectors on the dynamics of the b-wave of the electroretinogram, 24:17060
  - Investigation of the penetration of certain radioprotectors into the retina and their influence on the bioelectric activity of the eye, 24:12104
- KALMYKOVA, I. S. Complexometric determination of Sc, 23:2234
  - Successive determination of uranium and thorium in oxides of the rare earth elements, 25:57341
- KALMYKOVA, S. S. Excitation of a magnetohydrodynamic waveguide by a coaxial waveguide, 21:15152
  - Excitation of electromagnetic waves in a plasma by a concentrated source, 22:9350
  - Excitation of the longitudinal waves in a bounded plasma at diffuse reflection of electrons from the surface, 22:13474
  - Stability of electron cyclotron waves in plasma, 23:36720
  - Theory of diffraction of electromagnetic waves in active media, 23:46519
- KALMYKOVA, Z. I. Hemodynamics following inhalation of ammonium plutonium pentacarbonate, 23:17947
  - Inhalation injury of rats by ^{239}Pu, 25:24325 (AEC-tr-7195, pp 354-63)
  - Time factor in injection with ^{144}Ce and ^{239}Pu, 25:24323 (AEC-tr-7195, pp 339-46)
- KALMYKOW, Andrew Statutes of limitations in compensation claims, 24:29771 (DMRE-69-3, pp 328-48)
- KALNA, K. Contribution to the question of pressure vessel safety against brittle failure, 25:54072 (A/CONF.49/P-548)
  - Operational safety of pressure vessels at Czechoslovak nuclear power stations, 22:30804
  - Research on strength and resistance to brittle fracture of large bodies, 24:46446 (ZJE-82)
  - Strength and brittle fracture resistance of large welded bodies, 23:36077 (ZJE-45)
- KALNA, Karol Resistance of pressure vessels of nuclear reactors to brittle fractures, 24:36018 (ZJE-59)
  - Resistance of pressure vessels to brittle fractures, 23:26043
- KALNACH, L. P. Neutron-activation autoradiographic studies of gold distribution in band-shaped germanium dendrites, 22:30498
- KALNAES, O. Calculations on Zenith Reactor, 24:38489 (DP-Report-82)
  - Six group criticality program, 24:40907 (DP-Report-74)
- KALNAES, Ole Computer program for dose planning with analytical representation of radiation fields, 21:20281
- KALNAJS, Agris J. Dynamics of flat galaxies. I, 25:33013
- KALNAY, A. J. Lorentz-invariant localization for elementary systems. II, 24:30474
  - Lorentz-invariant localization for elementary systems. III, 25:33831
  - Lorentz-invariant localization for elementary systems. IV, 25:43577
  - Philips' Lorentz-covariant localized states and the extended-type position operator, 21:27431
  - Punctual approximations to the extended type position, 21:23356
  - Reinterpretation of the notion of localization, 21:23355
  - Segal's new quantum field theory. I, 21:21301
- KALNAY, Andres J. Covariant position operator for the relativistic electron, 24:15427
  - Lorentz-invariant localization for elementary systems, 21:37726
  - Proper time and localization for the quantum relativistic electron, 24:15426
  - Symmetric Dirac bracket in classical mechanics, 24:30584

- KALNAY, Andres Jose Construction of representation for spin-2 Bargmann—Wigner functions through two spin-1 Bargmann—Wigner functions, 21:4005
- KAL'NENKO, B. I. Effect of heating by glow discharge on the physico-chemical surface condition of solid alloys, 25:58233
- KALNEY, V. S. Comparative radioprotective effectiveness of compressed gases, 21:10928
- KALNEY, Valentina S. Radioprotective action of N under pressure, 21:22595
- KALNII, V. S. Antitumoral effect of inert gases and low-molecular narcotics. VI, 21:6721
  - Effect of dose rate during x-irradiation of Ameba proteus, 23:14244
  - Radioresistance of amoeba proteus in relation to irradiation conditions and mitotic stages, 22:36351
  - Radiosensitivity of two strains of Amoeba proteus, 23:35857
- KALNIN, D. O. Effect of dislocation density on the radiation expansion of the volume of crystals, 21:23919
  - Effect of reactor irradiation conditions on the changes of LiF crystal density, 22:15580
  - Radiation effect on physical properties of LiF single crystals, 23:14891
  - Radiation effects in pile-irradiated LiF crystals, 21:7362
  - Radiation heating of LiF crystals during the process of irradiation in the reactor, 22:9432
- KALNIN, J. Full registration efficiency for gamma rays by Ge semiconductor detector, 22:8345
- KALNIN', T. K. Calculation of core teeth geometry of 3-phase induction MHD machine, 22:5183
  - Mathematical model of induction MHD machines with separate magnetic circuits, 24:47065
  - Role of higher harmonics in MHD machines with finite width channels, 24:17726
- KALNINA, Z. Strontium-90 concentration factors of lake plankton, 23:33602
- KALNINA, Z. K. Concentration of ^{90}Sr and U in hydrobionts, 25:2546
- KALNING, L. Non-nuclear evaluation testing of strain gages bonded with ceramic cement, 21:22203 (WANL-TME-1254)
- KALNINS, J. G. Formation of an electron ring in a cusped magnetic field, 25:50396
- KALNIN'SH, D. O. Radiation effects in lithium fluoride crystals, 23:1524
- KALNINYA, Z. K. Biological migration of radio-nuclides in fresh and salt water reservoirs, 23:24573 (A-AC-82/G/L-1243)
  - Biological migration of radionuclides in freshwater and saltwater basins, 23:17986 (NP-17713)
  - Buildup factor of ^{90}Sr in various types of reservoirs, 23:24604 (A-AC-82/G/L-1243, pp 3-5)
  - Coefficient of accumulation for stable Sr and ^{90}Sr in freshwater plants and plankton, 25:46692
  - Concentration factor of ^{90}Sr in plankton in various kinds of reservoirs, 24:12024 (AEC-tr-7128, pp 2-5)
  - Strontium-90 accumulation in plankton, 22:47500
- KALNS, E. Properties of TZM alloy, 23:27103
- KALNS, Eric Prog. rpt. on high-strength Mo- and W-base alloys, 3/65—5/66, 21:13125 (NP-16510)
- KALOGEROPOULOS, T. Evidence for existence of a narrow anti pn bound state, 25:36399
  - Neutral decay modes of eta° meson, 24:37604
- KALOGEROPOULOS, T. E. Narrow resonance at 530 MeV, 24:8563
  - Review of anti pn annihilations at rest, 23:13085 (ANL/HEP-6812, pp 17-57)
- KALOINEN, E. Absolute activity measurement with a $4\pi\beta$—γ-coincidence counter, 23:33412
- KALOS, Ferenc Free radical beam source, 23:27333
  - Measurement of N_2 + Ar differential elastic cross section, 24:47022
- KALOS, M. H. Automatic computation of importance sampling functions for Monte Carlo transport codes, 24:28389 (AD-699945)
  - Bounded Monte Carlo estimators for flux at a point, 23:37715
  - Energy of a simple triton model, 23:19154
  - Monte Carlo criticality calculations for thermal reactors, 21:38547
  - Monte Carlo integration of adjoint γ transport equation, 22:48144
  - Monte Carlo integration of adjoint neutron transport equation, 23:44820
  - Monte Carlo integration of the adjoint gamma-ray transport equation, 22:6148
  - Neutron cross sections of ^{238}U, ^{235}U, ^{237}U, ^{239}U, ^{234}U, ^{236}U, ^{239}Pu, ^{240}Pu, W, Pb, Ni, Cr, C, ^{6}Li, ^{7}Li, and T, 21:27579 (UNC-5099)
  - Non-linear Monte Carlo, 25:57161 (CONF-710302-(Vol.2), pp 794-7)
  - Penetration of photons through a hot electron gas, 25:17165 (AD-713485)
  - Stochastic wave function for atomic He, 22:24040
  - Synthesis of minimum weight shields, 22:32930 (NDA-2143-15)
- KALOS, Malvin Calculation of neutron, primary, and secondary gamma flux at an air-ground interface, 22:4280
  - Size effects in three dimensional Ising lattice, 25:57241 (NYO-1480-179)
- KALOS, Malvin H. Bounded estimators for flux at a point in Monte Carlo, 25:39330
  - Computation of importance sampling functions for Monte Carlo transport codes, 25:47598 (AD-716453)
  - Machine generation of monte carlo sampling functions, 25:57160 (CONF-710302-(Vol.2), pp 771-81)
  - Practical aspects of multi-dimensional Monte Carlo shielding calculations, 25:3176
  - Practical aspects of multi-dimensional Monte Carlo shielding calculations, 25:33362 (ANS-SD-11, Paper 8)
  - Practical aspects of multidimensional and time-dependent Monte Carlo shielding calculations, 24:6587
- KALOTAS, T. Euler-angle reduction of Schroedinger equation for three-electron atoms, 22:41320
  - Ground state of the (p—μ—p)⁺ molecule ion, 22:15362
- KALOTAS, T. M. Regular wavefunctions for atomic three- and four-particle systems, 24:39885
- KALOUSKOVA, Jana Cross-placental passage of ^{203}Hg, 24:23073 (CONF-690501-, pp 137-43)
- KALOUSOVA, V. Glycolytic processes in blood and muscles of pigs irradiated with lethal doses of gamma radiation, 21:8826
  - Influence of radiation sickness on postmortal biochemical changes in the tissues, 21:8923
  - Results obtained in microbiological tests of meat of slaughtered swine afflicted by radiation sickness, 23:26876 (ORNL-tr-2135)
  - Usefulness of meat of animals exposed to ionizing radiation, 22:25832
- KALOUSOVA, Vilma Clinical course of acute radiation sickness in pigs, 22:25968
  - Results obtained in a microbiological examination of the meat of pigs killed because of irradiation sickness, 22:33914
- KALOVICS, Maria Studies involving the neuraminic acid metabolism of dogs following x-ray irradiation of their brain with massive doses, 24:34116
- KALPAGIU, M. K. Persistent currents in a superconductor with paramagnetic impurities, 22:41512
  - Persistent currents in dirty two-band superconductor, 23:25261
- KALPAKCHIEVA, R. New isotopes of iridium, 25:28348 (JINR-P6-5617)
- KALPAKTOSOGLOU, P. Transfer with a plasma fraction of delayed hypersensitivity to PPD in guinea pigs, 24:36720
- KALPAZHIN, M. K. Calculations of properties of collective states of deformed nuclei at 176 less than or equal to A less than or equal to 190 region, 21:42692
- KALRA, Ashok K. Chromatographic separation of Sr, 23:21783
- KALRA, G. L. Combined Taylor and Helmholtz instability in hydromagnetics including Hall effect, 21:23230
  - Effect of finite ion Larmor radius on stability of superposed fluids, 21:23226
  - Effect of grains on Jeans' instability criterion, 21:37055
  - Effect of Hall current and resistivity on stability of gas—liquid system, 25:19546
  - Effect of Hall current on stability of an anisotropic plasma, 24:17967
  - Effect of self-gravitation or finite ion mass on the stability of anisotropic plasma, 25:16691
  - Hydromagnetic Kelvin instability in presence of neutral particles, 22:1276
  - Kelvin instability for rotating compressible hydromagnetic fluids, 22:9153
  - Kelvin instability in current-carrying cold plasmas, 21:29311
  - Slipping stream instability in anisotropic plasma with magnetic shear, 23:12881
  - Stability of gas—liquid system in a magnetic field, 24:15184
  - Stability of gravitating streams, 21:3584
- KALRA, K. Significance of roentgenological findings in the evaluation of maturity of the newborn, 22:28551
- KALRA, Satya Pal Enthalpy distribution in plasma tube arc heater, 25:1218
- KALRA, T. R. Study of activation energy during oxidation of Zr and Zircaloy-2, 23:968
- KALSCH, E. Titanium alloys of brittle crack formation, 24:4724
- KALSCH, Elsbeth Microstructure, electrical properties, and superconductivity of alloys TiNb33 and TiNb40, 22:34563
- KALSHOVEN, Johan Particle size analysis, 23:38337
- KALT, Melvyn B. Ultraviolet spectrophotometric study of determination of Cd, Co, Bi, and Mo by pyrrolidinedithiocarbamate method, 22:30487
- KALTCHENKO, A. I. Level density and strength functions of some deformed nuclei, 22:27220
- KALTENBACH, C. C. Radioimmunoassay for ovine luteinizing hormone, 23:35592
- KALTENBACH, M. Simultaneous blood flow measurements with ^{133}Xe in flexors and extensors of the lower leg under positive and negative load, 25:10913
- KALTENBACH, V. Magnetic field probe, 24:33967
  - Probe for precise magnetic field measurements, 25:2512
- KALTENHAEUSER, A. Penetration of tritium through skin during handling of luminous paints, 25:44822
- KALTHOFF, J. F. Fracture mechanics as a tool for understanding strength behavior, 25:351
- KALTHOFF, Klaus uv effects on development of eggs of Smittia parthenogenetica, 23:20336
- KALTHOFF, P. Temperature distribution and thermal conductivity in an argon plasma, 25:56140
- KALTYKOV, A. A. Plasmoid motion in an axially symmetric spatially periodic magnetic field, 24:49176
- KALUGIN, V. F. Rolling W-alloy sheet and foil, 23:10184
- KALUGIN, V. I. Anisotropy of graphite reactivity, 21:45979
- KALUGIN, V. N. Magnetohydrodynamic flow in a circular channel with magnetic Reynolds number taken into consideration, 22:38860
  - MHD flow in flat rectangular channels, 23:51438
- KALUGIN, V. V. Acute radiation sickness in sheep in connection with total gamma radiation, 23:16403
- KALUGINA, L. I. Registration of a gamma-ray pulse with a semiconducting detector based on cadmium telluride, 23:645
  - Use of semiconductor counters for detection of neutrons accompanied by γ rays, 23:4820
- KALUS, J. Anisotropic potential in $Eu_2(WO_4)_3$ single crystals, 23:25451
  - Anisotropy of nuclear resonance fluorescence yields of ^{28}Si with aluminum single-crystal sources, 22:46756
  - Influence of anisotropic slowing-down of ^{24}Mg recoils in Na and NaCl single crystals, 24:49274
  - Influence of pressure on shape of γ lines emitted by Sm nuclei, 24:35576
  - Influence of radiation damage in solids on nuclear resonance fluorescence yield of the 0.96-MeV level of ^{152}Sm, 22:11967
  - Influence of the lattice potential on the line shape of γ rays emitted by Sm nuclei recoiling with 3 eV in Eu metal and EuO, 24:35585
  - Investigation of anisotropic slowing down of low-energy Mg atoms in a NaCl single crystal at different temperatures, 21:29359
  - Investigations of (n,γ) recoil damage in V by nuclear-resonance fluorescence methods, 21:41631
  - Lifetime of the 1.37 MeV state in ^{24}Mg, 24:20372
  - Stored energy release of solid argon after reactor irradiation at 4.6°K, 25:30660
- KALUS, Juergen Anisotropic slowing-down of low-energy Mg atoms in NaCl, 21:4245
- KALUTA, Romuald Use of isotopes as sensing elements for the automation of measuring of weighed materials, 22:4493
- KALUZA, Jozef Radiomimetic effect of actinomycin C on tumors of glial origin, 25:26908
- KALVA, Z. Anomaly of spin-wave spectrum in spiral spin structures, 22:24477
- KAL'VENAS, S. P. Main problems in physics of semiconductors and semiconductor devices, 24:35553
- KALVIUS, G. M. Anomaly 16°K in europium metal, 22:7376
  - Hyperfine field of ^{237}Np in NpO_2, 22:50240
  - Hyperfine interaction and susceptibility in some actinide metals and intermetallic compounds, 23:30668
  - Hyperfine interactions in divalent Eu compounds, 24:32938
  - Hyperfine interactions in Er_2O_3 and Yb_2O_3 between 20 and 1.5°K, 25:5225
  - Hyperfine interactions of ^{237}Np in α-Np metal, 24:18043
  - Hyperfine magnetic fields in USb, 25:14483
  - Inner Sternheimer shielding factor R/sub 5f/ of actinide, 25:33065
  - Isomer shift and hyperfine splittings of 59.6-keV Moessbauer resonance in ^{237}Np, 22:36977
  - Isomer shifts of the first and second excited levels of the ground-state rotational band in ^{171}Yb, 25:7872
  - Magnetic behavior of conducting Am systems, 25:27922
  - Magnetic behavior of Np metal and dilute Np alloys from Moessbauer effect studies, 25:12001
  - Magnetic hyperfine interaction in ^{121}Sb using the Moessbauer effect, 21:25531
  - Magnetic moments, polarizations, and lifetimes by recoil implantation, 22:27003
  - Moessbauer effect by recoil implantation through vacuum, 22:46270
  - Moessbauer effect in two excited states of a rotational band in ^{171}Yb, 21:7023
  - Moessbauer experiments with a ^{3}He/^{4}He dilution refrigerator, 24:40200
  - Moessbauer isomer shift in ^{243}Am, 23:44571
  - Moessbauer study of the β decay of ^{197}Pt with oriented nuclei, 24:40650
  - Nuclear gamma-ray resonance study of hyperfine interactions in ^{238}U, 23:49010
  - Nuclear quadrupole moment of ^{237}Np, 24:13374
  - Properties of some rare-earth—Sn_3 compounds, 24:24184
  - Proposed isomer shift standards for Moessbauer spectroscopy, 25:1339
  - Quadrupole moment of the 21.6-keV state of ^{151}Eu, 24:15916
  - Second order effects in the hyperfine field of ^{57}Fe in troilite (anti-ferromagnetic FeS), 21:23257
  - Temperature dependence of the hyperfine field in rare earth-gold compounds, 22:24396 (CONF-670502-, pp 506-9)
- KALVIUS, G. Michael Determination of electronic properties of actinides with Moessbauer effect, 25:12000
- KALYAGINA, I. P. Radiation damage of various types of artificial graphites, 25:52476 (JPRS-53800, pp 292-306)
- KALYAMIN, A. V. Calcium stannate: source for Moessbauer measurements, 23:25445
  - Moessbauer spectrum of ^{237}Np after α decay of ^{241}Am in Th lattice, 23:5459
  - Studies of γ spectra and identification of neutron deficient osmium isotopes, 21:44713
- KALYANARAMAN, R. Thermochemical studies of some U and Th compounds, 25:10581
- KAL'YANOV, V. N. Thermal stability and wear resistance of boron—titanium metal deposits, 25:16596
- KALYASKINA, T. V. Radiosensitivity and mutational variability of wheat, 25:46795
  - Radiosensitivity and mutations during chronic γ-irradiation, 25:21671
- KALYAZIN, E. P. Mechanism of formation of products of radiolysis of H_2O, 25:4120
  - Notes on the properties of intermediate particles during radiolysis of aqueous oxygen solutions, 25:8293
  - Practical course in radiation chemistry, 21:12444 (NP-tr-1480)
  - Radiochemical synthesis of labeled carbonyl and carboxyl compounds with hydrocarbon base and labeled carbon oxides, 21:8336
- KALYAZIN, E. T. An observation on the nature of intermediate particles in the radiolysis of aqueous solutions of oxygen, 25:18477
- KALYAZINA, N. S. Biological effects and kinetics of the elimination of tritium oxide in dogs, 24:9769
- KALYGIN, A. G. Current distribution in a pulsed plasma accelerator with dielectric erosion, 24:49203
  - Energy characteristics of pulsed plasma accelerators with dielectric erosion, 24:51726
- KALYNA, J. High speed pulse shape discriminator, 25:8507
  - Pulse shape discrimination, 25:8506

- KALYNYAK, N. I. Equation for rod oscillations at high temperatures, 25:6251 (SC-T-70-4042)
- KALYUZHNAYA, G. A. Superconductivity of niobium diselenide, 25:36041
- KALYUZHNAYA, P. F. Conditions for electrodeposition of Ni—Nb alloy coatings and their physico-chemical properties, 22:17087
- KAM, F. B. Multiple-foil spectrum measurements in a bare ^{235}U assembly, 25:41569
- KAM, F. B. K. Estimation of radiation doses following a reactor accident, 22:19332 (ORNL-4086)
  - Neutron flux spectrum in the HFIR hydraulic tube, 25:51186
  - Neutron flux spectrum in the HFIR target region, 25:26032 (ORNL-TM-3322)
- KAM, Francis B. K. Fission neutron attenuation and gamma-ray buildup factors for lithium hydride, 21:35397
- KAMACHI, Sachihiro Protective and therapeutic effect of cepharanthin in radiation injury, 22:33845
- KAMADA, Hiroshi Measurements of ^{89}Sr and ^{90}Sr in environmental samples by low background β-ray spectrometer, 25:37314
- KAMADA, Hitoshi Comparison of metal bath techniques in vacuum fusion analysis by an isotope dilution method, 22:42623
  - Determination of N in an aluminium-killed steel by an isotope-dilution method using Al^{15}N, 22:21045
  - Measurements of plasma parameters in hf glow discharge, 25:25092
  - Spectrochemical determination of isotope ratio of oxygen by microwave discharge method, 22:27613
  - Spectrochemical determination of isotope ratio of oxygen by microwave discharge method, 22:33281
- KAMADA, Koji Effects of annealing and irradiation on stacking-fault energy of Cu—Al solid solutions, 22:22211
- KAMADA, N. Chromosome aberrations and culture time, 23:41298
  - Chromosome aberrations and neutrophil alkaline phosphatase in atomic bomb survivors, 23:10006
- KAMADA, Nanao Acute leukemia, 22:4685
  - Chronic granulocytic leukemia with special reference to A-bomb survivors, 25:18963
  - Chronic granulocytic leukemia with special reference to A-bomb survivors, 25:24437
  - Cytogenetic investigation of survivors of the atomic bombings of Hiroshima and Nagasaki, 21:8764
  - Down's syndrome in Hiroshima and Nagasaki, 23:6550
  - Early diagnosis in chronic myeloid leukemia, 21:11109
  - Effects of radiation on chromosomes of bone marrow cells. I, 24:6020
  - Effects of radiation on chromosomes of bone marrow cells. II, 24:6098
  - Effects of radiation on chromosomes of bone marrow cells. III, 24:6097
  - Leukocyte chromosome studies of adult and in-utero survivors, 22:28575
- KAMADA, Osamu Uranium dioxide crystals grown by a solar furnace, 23:14389
- KAMADA, Tetsuo Artificial SEA phenomena due to the high-altitude nuclear explosion, 23:24337
- KAMADA, Toru Heterotopic bone formation in the lung, 25:58133
- KAMAE, T. $K_2^0 \to 2\pi^0$ decay rate, 22:44317
  - Quasi-free electron scattering on ^{12}C and ^{9}Be, 24:52415 (INSJ-122)
- KAMAE, Tsuneyoshi Measurement of CP violating parameters in K^0 decays, 23:39772
- KAMAE, Tuneyoshi Decay $K_2^0 \to 2\pi^0$, 23:27739
- KAMAEV, A. V. Critical parameters of fissionable materials systems and nuclear safety, 22:1862 (JPRS-42322)
  - Critical parameters of systems with fissionable materials and nuclear safety; a handbook, 22:33123
  - Maintenance of reactor safety when working with fissionable materials, 21:1544 (JPRS-36824)
- KAMAEVA, G. Photometric uranyl determination by N-methylanabasine α-azo-6-m-aminophenol, 23:11419
- KAMAEVA, L. A. Pulse delay time in ^{3}He neutron counters, 25:29338
  - Spectra of Po—α—Be and Po—α—B sources in (n,γ)-coincidence, 21:1044
- KAMAGUCHI, Setsuo Observation of large air shower, 24:39900
- KAMAKAHI, D. C. Eradication of oriental fruit fly, 24:23417
- KAMAKAZU, Kiyomaro Radiosensitivity of the radiation induced aminopterin resistant yeast cells, 25:57927
- KAMAKURU, Masataka Determination of Zr in W steels, 23:15800
- KAMAL, A. A. Analysis of 5-GeV/c antiproton—nucleon interactions, 25:1401
  - Analysis of proton—nucleon interactions in nuclear emulsions at incident momenta 24 and 27 GeV/c, 21:29442
  - Analysis of π^-—N interactions in photographic emulsions, 21:3990
  - Analysis of small size stars (N/sub h/ less than or equal to 4) in photographic emulsions, exposed to beams of 24 and 27 GeV/c protons, 21:3980
  - Aspects of π^-—N interactions at 17.2 GeV/c, 22:44336
  - Azimuth angular distribution of shower particles in 24 and 27 GeV/c proton interactions in nuclear emulsions, 21:46480
  - Azimuthal symmetry in 17.2-GeV/c π^- jets, 25:14565
  - Coherent production of pions in high energy π^--interactions, 23:51865
  - Emission ^{8}Li fragments in interactions of 5-GeV/c antiprotons, 21:9989
  - Energy of primary and C.M.S. velocity of jets, 21:44263
  - Interactions of 24 and 27 GeV/c protons with complex nuclei in nuclear emulsions, 22:1687
  - Multiple-scattering distributions, 24:1499
  - Nonannihilation interactions of 5 GeV/c antiprotons with emulsion nuclei, 24:12934
  - Preliminary analysis of 5 GeV/c, 22:39261
  - Production frequency of hyperfragments in 5 GeV/c antiproton interactions, 21:29443
  - Production of antineutrons from the interactions of antiprotons of 5 GeV/c in nuclear emulsions, 23:42555
  - Production of strange particles in heavy nuclei of emulsion from interactions of π^- of 17 GeV/c, 22:32069
  - Study of electron pairs in photographic emulsions, 21:3994
  - Study of electron pairs in photographic emulsions, 22:5488
  - Surviving antiprotons at 5 GeV/c, 23:32618
- KAMAL, A. N. Anomalous nucleon magnetic moment sum rules without current algebra, 22:37103
  - Calculation of Reepsilon for the K^0—anti K^0 system, 24:13132
  - Constraint on the double-pion-production amplitude in pion—nucleon collisions implied by a partially conserved axial-vector current, 22:3439
  - CP violation with an intermediate weak vector boson, 23:16950
  - Crossing symmetry, current algebra, and Kawarabayashi—Suzuki—Riazuddin—Fayyazuddin relation, 23:32720
  - Divergence of weak currents in the presence of electromagnetic interactions, 21:40191
  - Gilbert-like dispersion relations for the form-factors, 25:3461
  - K/sub l3/ scalar form factor, 25:22774
  - Magnetic radiation in $K^{+-} \to \pi^{+-}\pi^0\,\gamma$ decays, 24:33002
  - Multiple soft-pion production, 22:44359
  - Muon flux deep underground and the question of strong W-interactions, 25:14735
  - Pion form factors and phase shifts, 23:51924
  - Problems in particle physics, 23:49069
  - Radiative corrections to K/sub l3/ Dalitz plot, 25:45715
  - Soluble two-channel problems in potential scattering, 25:3458
  - Spectral function sum rules in a broken SU(3) symmetry, 23:42704
  - SU(3) symmetry breaking parameter in quark model, 24:18257
  - SU(3) symmetry breaking parameter in quark model, 24:49443
  - Sum rules and a scalar unitary singlet, 21:919
- KAMAL, Ismat Nuclear desalination, 24:46103
  - Prospects of dual-purpose nuclear plant for meeting water and power requirements of Greater Karachi area, 25:54234 (A/CONF.49/P-299)
- KAMAL, Jyoti Response of Lorentzian gas to an ac pulse. II, 24:40081
- KAMAL, R. Recoilless fraction and thermal shift for ^{129}I 26.8-keV transition in CsI, 22:986
- KAMAL, T. H. Advances in reducing food losses and increasing food production in U.A.R, 25:52278 (A/CONF.49/P-136)
  - Whole body ^{40}K loss as a predictor of heat tolerance in cattle, 25:13339
- KAMALAM, P. Radiosensitivity in tetraploid cottons, 25:39963
- KAMAL'DINOVA, E. M. Effect of irradiated food rations on rat, 24:4708
- KAMAL'DINOVA, Z. M. Effect of cooked gamma-irradiated beef on rats, 25:55367
  - Effect of foods pasteurized by gamma radiation on white rats, 24:23411 (ORNL-tr-2307)
- KAMALOVA, G. V. Effects of γ-radiation on pollen metabolism in mallow plants, 24:25597
- KAMALYAN, L. A. Characteristic of endogenic infection in irradiated mice in condition of monoethanolamine administration, 23:10018
  - Development of vaccine virus in irradiated cells of different tissue cultures, 23:10126
  - Examination of anti-small-pox immunity and of certain aspects of protein metabolism in x irradiated rabbits under the condition of ethanolamine administration, 23:10017
  - Examination of x-ray effect upon development of vaccine virus in chick embryo, 23:10125
  - Intensifying radioresistance of rabbits by immunization with smallpox virus vaccine, 21:34769
  - Peculiarities of development of tissue culture obtained from irradiated chick embryo, 23:10075
  - Plasma cell reaction and immunity to smallpox in irradiated animals, 24:27553
  - Radiosensitivity of virus-synthesizing function of cells irradiated in vitro and in vivo, 25:35261
  - Response of the vaccine-immune body to x irradiation, 23:10016
- KAMAMOTO, Tatsuro Method for cladding a nuclear fuel element, 21:23765
- KAMARA, M. Radiation sickness and problems of radioprotection, 22:45582
- KAMARZIN, A. A. Optical aspects of dielectric penetrability and chemical bond in rare earth sulfides, 23:49811
- KAMASHIMA, Nobuki Linear plasma current multipole experiment, 24:21821
- KAMAT, A. P. Balloon-borne instrument for studying x-ray sources in 15- to 150-keV range, 25:35014
  - Electronic elimination of radiation pick-up due to spark chamber discharges, 23:26545
- KAMAT, G. R. Open aluminothermic reduction of columbium (Nb) pentoxide and purification of the reduced metal, 25:58202
  - Preparation of Nb metal, 24:17254
- KAMAT, M. J. Spectrographic determination of Ru in silicious materials used in radioactive waste disposal, 25:8196 (BARC-504)
- KAMAT, R. V. Wheeler—Feynman absorber theory of radiation, 24:52006
- KAMATA, Eijiro 1-[(5-chloro-2-pyridyl)azo]-2-naphthol as new extraction—photometric reagent for metals, 24:31458
  - 1-[(5-bromo-2-pyridyl)azo]-2-naphthol as a possible new chromogenic reagent, 23:24165
- KAMATA, Kohji Effect of plastic deformation on crystal current density in Pb—In crystal, 25:43300
- KAMATA, Nanao Hematological effects of 14.1-Mev neutrons in mice, 21:8967
- KAMATA, Rikisaburo Skin reactions in electron beam irradiation. I, 23:35922
- KAMATH, G. T. Sintering of beryllia. II, 22:23866
- KAMATH, Kum. P. G. Cesium-137 and K in milk, 21:34648 (BARC-278)
- KAMATH, P. R. Developing environmental monitoring programs near nuclear installations, 24:7849
  - Economic planning of environmental surveys for power reactors, 25:16165
  - Environmental behavior of discharged radioactive effluents at Tarapur atomic power station, 24:45909 (CONF-700810-22)
  - Environmental control following release of radioactivity to the environment, 24:7844
  - Environmental radiation surveillance laboratory, 25:10763
  - Evaluation of public health hazards through contamination of water sources, 24:7787
  - Indicators for routine environmental monitoring of radioiodine, 23:8011
  - Natural radioactivity at Trombay, 22:2222
  - Nuclear operations in rural India and conservation of aquatic environment, 25:53982 (A/CONF.49/P-536)
  - Preoperational search at Tarapur Atomic Power Station site, 23:14182
  - Preoperational search for baseline radioactivity, critical food, and population group at TAPP, 21:20159 (AEET-268)
  - Radioactivity measurements in environmental samples in monazite areas, 22:6440
  - Radioiodine distribution in the Tarapur power reactor environment during commissioning and initial operations, 25:56978
  - Separation of BiPO$_4$ carried actinides by BiOCl precipitation, 24:50446 (CONF-690916-(Vol.2), pp 169-73)
- KAMATH, Pandurang M. Quantitative determination of short branches in high-pressure polyethylene by gamma radiolysis, 21:45175
- KAMATH, V. A. Analysis of isotopic radium in thorium mill effluents, 23:19634
- KAMBARA, T. Thermal neutron reactor, 22:20867
- KAMBARA, Tomihito Catalytic analysis of molybdenum(VI), 22:50927
- KAMBAYASHI, Yuichiro Effect of reactivity feedback on reactivity accidents in light water power reactor, 25:46284
  - Fast transient analysis for light water power reactor by EUREKA, 25:23311 (JAERI-1201)
- KAMBE, Tutomu Magnetic cavity due to line currents in a plasma, 23:30406
- KAMBER, I. Multishot and multichannel fast ejection, 23:28001
- KAMBOUROV, Christo Measurement of radioactive preparations, 21:5973 (N-66-31989)
- KAMBU, F. Studies of the auroral x radiation at conjugate points Kerguelen—Archangel, 25:30395
- KAMBUROV, Kh. K. Calculator for standard deviation and optimum conditions in radioactive measurements, 22:14881
  - Scintillation counters for direct measurement of the radioactivity of clear liquids, 22:19125
- KAMDAR, M. H. Adsorption-induced brittle fracture in liquid—metal environments, 25:27243
  - Cleavage in beryllium monocrystals, 24:25696
- KAMEDA, H. Visceral perfusion scintigraphy with ^{131}I-labeled albumin macroaggregates, 23:48141
- KAMEDA, Haruo Detection of hepatic shunts by use of ^{131}I-macroaggregated albumin, 22:4641
  - Diagnosis and differentiation of constitutional hyperbilirubinemias using sequential scanning with ^{131}I-BSP (monoiodide), 25:21753
- KAMEDA, Kazuhisa Uptake of ^{65}Zn and the concentration factor on Zn in marine organisms. I, 23:2760
- KAMEDA, Shozaburo Matching technique to inject microwave power into high-density plasmas, 23:42227
- KAMEFUCHI, S. Comment on the generalized quantization method of Okayama and of Roman and Aghassi, 21:9850
  - Comment on the Kademova—Kraev method of field quantization, 25:47941
  - Conservation of the number of fermions, 23:21148
  - General properties of para-Fermi field theory, 22:37188
  - Lagrangian approach to infinite component field theory, 23:13124
  - Lagrangian field theory of the Rarita—Schwinger fields with spin 5/2, 21:21303
  - Quantum mechanics of identical particles, 24:33043
  - Stueckelberg formalism for Rarita—Schwinger field with spin 3/2, 21:35342
- KAMEFUCHI, Susumu Possibility of a further generalization of field quantization, 21:13729
  - Quantum field theory of tachyons, 25:56560
- KAMEGAI, M. Multiplate spark chamber used as a fission counter, 21:4687 (CONF-651015-1)
- KAMEGAI, Minao Numerical analysis of a diverging shock wave in plexiglas cylinders, 24:33621 (UCRL-72450)
- KAMEGASHIRA, Naoki Single crystals of uranium oxides by chemical transport reactions, 25:22139
  - Study of the reaction between metals and molten salts, 21:23876
- KAMEGAYA, K. Determination of As in human nail and hair by activation analysis, 23:31315
- KAMEI, Akira Erbium—Tm separation factor in presence of chelating agent and elution behavior of binary mixtures of Er and Tm, 23:49919
- KAMEI, H. Analysis of light elements using primary x-ray by proton excitation, 24:31231
  - Spark chamber type gamma camera, 24:31698
- KAMEI, Hisashi Circular-type particle accelerator with a beam control device, 21:29814
  - Method of accelerating particles in a betatron, 23:46880

KAMEI, Mitsuru Liquid Na technology development. II, 23:45438 (ANL-7520(Pt.1), pp 506-14)
KAMEI, O. Conditions on the spin—density matrices due to internal symmetry, 23:15143
  Decay spectrum of polarized muons in general Fermi interaction, 22:46387
KAMEI, Osamu Decay spectrum of polarized muons in general Fermi interaction, 22:29668 (NP-17451)
KAMEI, T. Measurements on the magnetic properties of ferrite cores for proton synchroton rf accelerating cavity, 24:1689 (SJC-A-68-4)
KAMEI, Takanobu Resonance absorption near Na resonance at 2.85 keV, 25:45882
  Resonance integrals of ^{235}U, ^{238}U, ^{239}Pu, and ^{240}Pu, 23:28318
  RICM2: code for solving slowing downs of neutrons over many resonance levels in two-region lattices, 23:13180 (JAERI-1170)
KAMEI, Yoshinobu Extraction rate of uranyl nitrate into TCP, 24:11689
KAMEL, Ihab Effect of swelling on radiation-induced grafting of styrene to polyethylene, 25:10613
KAMEL, N. Radiation effects in glass lasers, 21:40102
KAMEMOTO, Y. Fission gas release loop, 21:21764 (JAERI-1121)
  Gamma-ray spectra of fission products, 21:27567 (JAERI-1124)
  In-pile release of fission gas from graphite, 24:44799
KAMEMOTO, Yuichiro Ceramic fuels with the use of fission gas release loop. I, 21:27810
  Method for reprocessing an irradiated nuclear fuel with molten salt containing ammonium nitrate, 22:47229
  Producing xenon compounds and fixing fission-product of xenon, 23:40775
  Studies on ceramic fuels with the use of fission gas release loop. III, 21:38677
KAMENETSKAYA, G. Kh. Excitation of longitudinal waves by the equatorial electrojet, 24:12699
  Inhomogeneities associated with the electric current in the equatorial jet, 22:34456
  Quasi-linear theory of formation of inhomogeneities in the equatorial electrojet, 25:55986
KAMENETSKAYA, S. A. Radiolysis of liquid and solid nitrogen tetroxide, 22:33426
  Radiolysis of liquid and solid triethylamine, 25:46517
  Radiolysis of nitric acid in different phase states, 23:9489
  Radiolysis of the N_2O_4—KNO_3 systems in liquid and solid states, 24:41373
KAMENETSKII, A. B. Comparison of two methods for testing the abrasive resistance of refractories, 25:58386
KAMENETSKY, Solomon Pavlovich Method of manufacturing high-temperature heat-insulating articles, 22:19684
KAMENEVA, S. V. Genetic control of sensitivity to mutagenic factors in Aspergillus nidulans. I, 24:14455
KAMENOV, P. Moessbauer spectrometer for express analysis, 25:29361
KAMENSKAYA, A. N. Preparation of weighable amounts of ^{231}Pa from neutron-irradiated, 23:31392
KAMENSKAYA, S. A. Results of measurements of lunar radio emission at 25.0 and 30.2 cm, 22:7099
KAMENSKII, I. L. Determination of ground-water ages by the T-^{3}He method, 24:36393
  Determination of the isotopic composition of atmospheric helium, 25:15504
  Isotopic analysis of terrestrial He, 24:26926
  Isotopic criterion for determination of natural He origin, 23:15967
KAMENSKII, V. G. Influence of Coriolis forces on α- and γ-transition probabilities in nuclei, 21:2795
KAMENTSEVA, N. M. Sectorial growth of cubic crystals of boron nitride, 24:23527
KAMENTSEVA, V. I. Function of mitochondria of liver of irradiated rats, 22:19378
KAMEOKA, T. Low-cycle fatigue of pressure vessels with butt-welded nozzles, 24:25241
KAMEOKA, Toshio Experiment on the high-stress fatigue at a nozzle on the reactor pressure-vessel, 22:53465
  High-stress fatigue at nozzle position of reactor pressure vessel. II, 24:11335
  Low cycle fatigue test on nuclear reactor pressure vessels, 21:10556
  Study on the high-stress fatigues of reactor pressure vessels with various nozzle configurations, 22:6174
KAMERDZHIEV, S. P. E2-transitions and the effective quadrupole charge in odd near-magic nuclei, 21:31890
  First 2^+-level of Sn and Pb isotopes in theory of finite Fermi system, 22:35316
  Low-lying one-phonon O^+ levels in spherical nuclei, 24:38378
  Vibrations of nuclei in theory of finite Fermi systems, 23:25948
KAMERMANS, R. Decay of ^{61}Co isomers, 25:3644
KAMERMANS, T. Production and decay properties of some shortlived cobalt nuclei, 25:28214 (CERN-70-30(Vol.2), pp 1105-13)
KAMERT, J. C. Detection of charged particles with high resolving power, 22:315
  Discriminator and low level gate, 23:752
  Low-level linear gate and discriminator, 23:26607 (LA-4119-TR)
KAMETANI, Katsuaki Chemical and hygienic studies on natural radioactive spa. IV, 25:4711
  Chemical and hygienic studies on natural radioactive spa. III, 25:13470
  Chemical and hygienic studies on natural radioactive spa, 25:26743
  Concentrations (^{90}Sr and ^{137}Cs) in imported foods. II, 22:25846
  Strontium-90 and ^{137}Cs concentration in imported foods. I, 22:6827
  Strontium-90 and ^{137}Cs concentrations in imported foods. III, 23:9956
  Strontium-90 and ^{137}Cs concentrations in imported foods. IV, 24:50871
  Strontium-90 and ^{137}Cs in rain water during 1962—64, 23:848
KAMEYAMA, Kunio Safety of irradiated foods. I, 23:50976
KAMEYAMA, Yoshiro Differential radiosensitivity of immature brain tissue, 24:23343 (CONF-690501-, pp 755-67)
  Influence of low-dose x radiation on the development and growth of the brain, 24:4687
  Malformations of extremities of mouse fetus caused by x radiation, hypoxia, or hypervitaminosis-A of mother during pregnancy, 22:33968
  Micromelias in mouse fetus caused by x radiation, hypoxia, trypan blue injection, or hypervitaminosis-A mother animals during pregnancy, 22:38478
  Radiation effect on prenatal development, 25:42629
  Species differences of the effects of x-irradiation upon the rat and mouse embryo, 25:11277
  Species differences of the effects of x-irradiation upon the rat and mouse embryo, 25:42639
KAMI, Hisao Activation analysis of smoky quartz, 22:12257
  Film dosimetry for large dose of monoenergetic electron beam by polycarbonate, 23:20016
KAMIBAYASHI, Koji Outbreaks of leukemia in Japan, 24:31464
KAMIDE, Yohsuke Microstructure of auroral-zone electrojet, 24:12704
  Spatial extent of return current of auroral-zone electrojet. III, 25:40493
  Spatial extent of the return current of the auroral-zone electrojet. II, 25:5003
  Worldwide geomagnetic change preceding the onset of auroral electrojet, 23:18517
KAMIENSKI, B. Application of ^{239}Pu electrode for determination of interfacial electric potentials, 21:40831
  Application of ^{239}Pu electrode for determination of solvation energy of uranyl salts in aqueous and butylphosphate systems, 22:23010
  Some remarks on the methodics of applying a radioactive source for measuring the interfacial potential, 21:40830
KAMIGAKI, K. Magnetic properties of $DyAu_2$ and $DyAg_2$, 25:47664
KAMIIKE, Hitoshi Electron-beam curing of unsaturated polyester—monomer systems. II, 24:5699
KAMIJO, Eiji Internal oxidation of Ag—Cd alloys, 25:16406
KAMIJO, F. Interaction between convection and pulsation in delta Cephei stars, 22:2749
  Limiting temperature and dynamic instability of red giants, 22:36614
  Pulsation of stars after large mass loss during the evolution of white dwarfs, 22:36615
  Supersaturation of carbon vapor in carbon stars. II, 23:48610
  Supersaturation of carbon vapour in the carbon stars, 22:23998
KAMIJO, Norihiro Basic studies on the radiosensitivity and the oxygen tension in tissue, 21:43458
KAMIKAWA, T. New infrared absorption in neutron-irradiated lithium fluoride, 21:2303
KAMIKAWA, Tomoyoshi Induced absorption band in N region of LiF crystals by charged-particle irradiation, 24:3456
KAMIKAWA, Tomoyosi Induced color centers in CaF_2 irradiated with neutrons, 22:15630
KAMIL, J. Magnetic control of a conducting jet, 25:11775
KAMIMOTO, Goro Behavior of the charged particles across a shock wave in a partially ionized gas, 23:5381
  Calculations of electron temperature across a shock wave of a partially ionized gas, 23:51668
  Electron density measurements of plasma jet by microwave interferometry, 22:34612
  Electron density measurements of plasma jet by microwave interferometry, 23:5382
  Spectroscopic measurements of weakly ionized argon plasma jet. I, 23:8592
  Spectroscopic measurements of weakly ionized argon plasma jet. II, 23:34395
  Spectroscopic measurements of weakly ionized argon plasma jet. III, 23:44399
  Spectroscopic measurements of weakly ionized argon plasma jet. II, 23:51607
KAMIMURA, Hideo Biological half-life of radioactive sodium and potassium in mouse, 23:31626
KAMIMURA, Hiroshi Dynamical processes in solid state optics, 22:1366
KAMIMURA, M. Giant dipole states and excited giant dipole states in ^{12}C, 21:13816
  Giant dipole states and excited giant dipole states in ^{12}C, 22:20473
  Giant dipole states and excited giant dipole states in ^{12}C, ^{28}Si, and ^{32}S, 22:27073
  Spatially correlated α-clusters and ground state correlations in shell model, 24:45816
KAMIMURA, Masayasu α-like spatial four-body correlations and electron scattering, 25:39066 (JAERI-1205, pp 81-5)
  Four-body correlations in light nuclei, 25:12660
  Four-body correlations in light nuclei, 25:28505
KAMIMURA, Tetsuo Longitudinal plasma wave echo excited by two cyclotron waves, 24:15361
  Numerical experiment on ion cyclotron heating, 22:44081
  Plasma computer experiments in three dimensions: development of a code for guiding center fluids, 22:3047 (IPPJ-55)
  Plasma wave echo excited by two cyclotron waves, 23:36743
KAMIN, George J. Process for removing cerium and thorium from the other rare earth metals, 25:54749
  Process for separating rare earths, 25:48578
  Separation and determination of Zr in Nb using methylenebis (di-n-hexylphosphine oxide), 22:146
KAMINER, N. S. Allowance for the barometric effect of the neutron component during cosmic-ray bursts, 22:34314
  Barometric effect of the neutron component of cosmic rays, 24:21619
  Cosmic-ray acceleration by corpuscular streams, 24:21621
  Cosmic-ray increase before Forbush decrease, 25:30316
  Cosmic-ray variations during magnetic storms of different type, 21:29053
  Dependence of increase before Forbush decreases on energy, 24:30182
  Determination of coupling factors of neutron component of cosmic rays on basis of data obtained on board the schooner "Zarya", 22:11245
  HL index of solar activity and yearly variations of cosmic rays, 25:30308
  Increase in cosmic-ray intensity preceding Forbush effects, 22:24070
  Methodic questions of studying cosmic-ray variations on the basis of IGY experience, 21:29065
  September—October, 1962 forbush effect, 22:11263
  Solar cosmic-ray burst of January 28, 1967, 24:6395
  Solar wind and its display in cosmic-ray variations, 21:29046
  Sounding of interplanetary shock waves and forecasting geomagnetic storms, 25:24988
  Statistical analysis of cosmic-ray intensity increases before Forbush effects, 24:39906
  Structure of interplanetary magnetic field, 24:6399
KAMINER, S. N. Cosmic-ray meteorological effects, 25:14066
KAMINISHI, Tokishi Cobalt-60 irradiation facility, 24:31571
  Conversion yield of γ-excited fluorescence x rays, 22:48187
  Effect of backing on enhancement of γ-excited fluorescence x rays, 22:48186
  Effect of scattered gamma rays on the enhancement of fluorescence x rays in gamma-ray gauging, 24:31751
  Method for measuring pulsed x-ray with low intensity, 25:44696
KAMINKER, D. M. Delayed gamma emission in the fission of ^{235}U, 21:13891
  Delayed gamma radiation from fission fragments from the slow neutron induced fission of ^{235}U, 21:33971
  Device for precise measurements of radiation energy from the (n,γ) reaction, 22:14827
  Double crystal diffraction spectrometer for studies of high energy gamma-rays resulting from thermal neutron capture, 22:6629
  Electrophoresis filter for purifying reactor water, 22:20915 (ZFK-RN-31, pp 110-21)
  Electrophoretic filter for purifying reactor water, 21:10207
  Entrainment of neutrons by a moving medium, 25:5486
  Gamma radiation from thermal neutron fission of ^{235}U, 24:43385
  Investigation of parity nonconservation in the reaction $n + p \rightarrow d + \gamma$, 24:30443
  Investigation of radiolytic products during reactor WWR-M operation without including degasification system, 22:35609
  Isospin dependence of the nuclear potential from the data on the total neutron cross-section of isotopes, 22:14057
  Isotopic dependence of parameters of optical potentials, 24:18462
  Measurement of cross sections for neutron capture by radioactive /sup 58m/Co, ^{64}Cu, and ^{46}Sc nuclei, 23:3963 (BNL-tr-224)
  Neutron capture cross-section measurement by radioactive nuclei /sup 58m/Co, ^{64}Cu, and ^{46}Sc, 22:44674
  Neutron transport by a moving medium, 25:28815 (BNWL-tr-66)
  Pile-neutron burn-up cross section of ^{149}Pm and Sm poisoning, 21:14100
  Problems pertaining to use of vertical biological channel of the WWR-M nuclear reactor, 22:12100
  Study of γ radiation from ^{59}Co(n,γ)^{60}Co reaction, 24:20348
  Total neutron cross sections of isotopes and the isobaric spin term of the nuclear potential, 21:7747
KAMINO, Kimiyuki Directional magnetic properties and structures in the $SmCo_5$—$SmCu_5$ system alloy, 24:32390
  Properties and structures in the $SmCo_5$—$SmCu_5$ system alloys, 24:24176
KAMINSKA, J. PVP stabilized In sulphide colliod for liver and spleen scanning, 24:32079
KAMINSKA, R. A. Prog. rpt. on RTG science instrument radiation interactions for deep space probes, final, 2/4—6/30/69, 24:536 (N-69-34718)
KAMINSKAS, R. A. Exploratory development of the rho V propellant gauge, 22:43132 (STL-539-0001)
KAMINSKAS, Rimvydas A. Radiation system for detecting liquid in a tank, 24:41704
KAMINSKAYA, A. B. Experimental verification of the natural distribution of boron isotopes, 22:8194
  Natural separation of boron isotopes, 23:9517
KAMINSKAYA, A. M. Experiments on acceleration of α-particles by collective method, 25:36615 (UCRL-Trans-1434)
  Experiments on α-particle acceleration by collective method, 25:12305 (JINR-P9-5558)
KAMINSKAYA, E. A. Combined effect of x radiation and indene compounds, 25:32387
  Genetic effects of radiations, 25:46883
KAMINSKAYA, E. P. Equilibrium and stability of cylindrical linear pinch with homogeneous temperature, 25:45501
KAMINSKAYA, R. G. One-resonator accelerator of electrons, 23:34690
KAMINSKI, A. Kinetics of isotopic exchange of iodine in MI_3—Et_2O—EtI liquid systems (M = Al, Ga, In), 22:16491

  - Simple method of production of lithium surface barrier silicon detectors, 22:10556
- KAMINSKI, Aleksander Transmission surface-barrier silicon detectors, 25:29331
- KAMINSKI, Edward Eugene Jr. Anion exchange separations of metal ions in thiocyanate media, 25:4137 (IS-T-377)
- KAMINSKI, J. W. Neutron activation analysis of the selenium content of fossil fuels, 23:49757
- KAMINSKI, Joseph W. Neutron activation analysis of the selenium content of fossil fuels, 23:35039
- KAMINSKI, K. J. Experimental verification of the theory of the thermal-diffusion column, 22:12550
  - Experimental verification of thermal diffusion column theory as applied to separation of isotopically substituted N and isotopically substituted O, 23:38188
  - Thermal diffusion column coefficients for the separation of ^{14} ^{14}N—^{14} ^{15}N and ^{16} ^{16}O—^{16} ^{18}O, 22:8302 (MLM-1439)
  - Thermal diffusion column coefficients for the separation of N$_2^{14}$—N^{14}N^{15} and O$_2^{16}$—O^{16}O^{18}, 25:8423 (MLM-1439(Rev.))
- KAMINSKI, S. Application of γ irradiated heterogenic bovine fascia in filling brain defects in dogs, 25:55148
- KAMINSKII, A. K. Experiments on acceleration of α-particles by collective method, 25:36615 (UCRL-Trans-1434)
  - Experiments on α-particle acceleration by collective method, 25:12305 (JINR-P9-5558)
- KAMINSKII, N. K. Linear proton accelerator I-2. V, 22:32401
- KAMINSKII, V. A. Calculating three-ray apical parts, 22:35401
  - Determination of distribution coefficient for (CH$_3$)$_2$O.BF$_3$ complex exchange-distillation process, 22:4235 (ORNL-tr-1829)
  - Determination of partition coefficient for volume distillation process of (CH$_3$)$_2$O.BF$_3$ complex, 22:8195
  - Dissociation of H$_3^+$ ions in collisions with H and He, 25:40381
  - Ionic—molecular reaction involved in formation of D$_2$H$^+$, 24:17661
  - Production of ^{13}C by carbon monoxide rectification, 22:51001
  - Vertex parts of direct nuclear reaction diagrams in a potential model, 21:2793
  - Virtual scattering effects in direct nuclear reactions, 21:4363
- KAMINSKII, V. L. One-resonator accelerator of electrons, 23:34690
  - Waveguide synchrotron (10-MeV) based on plane-bent waveguide, 21:46622
- KAMINSKII, Yu. L. Hydrogen isotopic exchange in five membered aromatic heterocycles. I, 23:150
  - Hydrogen isotopic exchange in five-membered aromatic heterocycles. V, 24:41306
  - Hydrogen isotopic exchange in five-membered aromatic heterocycles. IV, 24:41305
  - Hydrogen isotopic exchange in five-membered aromatic heterocycles. III, 24:41304
  - Hydrogen isotopic exchange. II, 24:18963
- KAMINSKY, John J. Alloy, 21:11237
- KAMINSKY, M. High-energy ion-impact phenomena, 25:24844
  - Polarization of channeled deuterons, 25:52926
  - Polarization of channeled particles, 23:51753
- KAMINSKY, M. S. Installation of a 2-MeV Van de Graaff generator, 21:15430 (ANL-7029, pp 13-14)
- KAMINSKY, Manfred S. Method for producing polarized atoms, 25:35836
- KAMISAKO, M. Leak rate test on nuclear reactor containment vessel, 24:28979
  - Leak rate test on reactor containment vessel for Mihama Power Station, 25:60000
- KAMITSUBO Low-energy (p,n) reaction on ^{55}Mn and the low-lying excited states of ^{55}Fe, 21:7751
- KAMITSUBO, H. Collective states of ^{114}Cd excited by inelastic scattering of 55-MeV protons, 22:27131
  - Conference on direct reactions with ^{3}He, Tokyo, 9/67, 22:39683 (CONF-670970)
  - Effect of spin—orbit terms of the optical potentials on the asymmetry in (p,d) experiments with polarized protons, 25:17856 (CEA-CONF-1652)
  - Elastic and inelastic scattering of ^{3}He from Ni isotopes, 22:27026
  - Elastic and inelastic scattering of 55-MeV protons from ^{110}Cd and ^{114}Cd, 22:27201
  - Elastic scattering of 55-MeV protons from heavy nuclei, 21:15598
  - Excitation of some sd-shell nuclei by inelastic scattering of 55-MeV protons, 22:27016
  - Experiments with ^{3}He ions at IPCR cyclotron, 22:39605 (CONF-670970-, pp 253-70)
  - Inelastic scattering of polarized protons by ^{40}Ca at 24.5 MeV, 25:14923 (CEA-CONF-1656)
  - j-mixing determination in (p,d) reactions by asymmetry measurements, 25:14921 (CEA-CONF-1653)
  - Large-angle scattering of ^{3}He particles by ^{58}Ni, 23:13244
  - Optical-model analysis of elastic scattering of ^{3}He particles from ^{58}Ni, 23:42885
  - Reactions (p,d) on ^{57}Fe, ^{61}Ni, ^{91}Zr with a proton-polarized beam, 24:8875
  - Reactions (p,d) with a beam of polarized protons, 25:17831
  - Search of states excited by spin-flip interactions with 55-MeV protons in sd-shell nuclei, 22:27014
  - Study of (p,d) reactions on ^{118}Sn and ^{119}Sn with polarized protons, 25:20365 (CEA-CONF-1657)
  - Study of (p,d) reactions on ^{40}Ca and ^{48}Ti with polarized protons, 25:14922 (CEA-CONF-1655)
  - Study of (p,d) reactions on ^{90}Zr and ^{92}Mo with polarized protons, 25:14980 (CEA-CONF-1654)
  - Study of reactions (p,d) on nuclei of ^{57}Fe, ^{61}Ni, ^{91}Zr by means of polarized protons, 24:3876 (CEA-CONF-1332)
- KAMITSUBO, Hiromichi A liquid helium, time of flight neutron polarimeter with a spin rotating solenoid, 22:6692
  - Collective states of ^{110}Cd, ^{114}Cd, and ^{116}Cd excited in inelastic scattering of 55-MeV protons, 23:15469
  - Nuclear orientation in ferromagnetic dilute alloys, 21:9656
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:13863
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:17383
- KAMIYA, K. Removal of iodine and methyl iodide, 23:29073
- KAMIYA, Kanichi Heat treatment of carbon under high pressure, 24:13691 (ORNL-tr-2262)
- KAMIYA, Kunio Apparatus for reacting UF$_6$, 22:21085
  - Fractional condensation of the chloride vapor from the uranium ore chlorinated, 22:33510
  - Removal efficiency of charcoal filter for removing radioactive iodine, 25:4142
  - Removal of radioiodine by activated carbon. I, 23:19732
  - Removal of radioiodine by activated carbon. II, 24:4081
  - Removal of radioiodine by activated carbon. III, 24:46329
  - Studies on removal of radioiodine by activated carbon. I, 23:50548 (ORNL-tr-2185)
- KAMIYA, Shigeru Research on color centers produced in Ca-halophosphate phosphors by irradiation, 21:8357
- KAMIYA, Y. Charge ratio of high-energy cosmic-ray muons at large zenith angles, 23:39596
- KAMIYA, Yoshihiro Energy loss of electrons passing through thin crystals. I, 23:48709
- KAMIYAMA, Hideo Radiation-induced polymerization by electronic spectroscopy. I, 21:19703
  - Radioinduced copolymerization of styrene and acrylonitrile, 24:11557 (JAERI-5022, pp 33-6)
  - Radioinduced polymerization of isobutene at low temperature, 23:17462 (JAERI-5018, pp 73-7)
  - Spectroscopic studies on radiation induced polymerization. II, 22:42716 (AEC-tr-6937, pp 145-57)
  - Spectroscopic studies on radiation-induced polymerization. II, 22:8131
  - Spectroscopic studies on radioinduced polymerization. III, 24:11555 (JAERI-5022, pp 18-26)
  - Spectroscopic studies on radioinduced polymerization. IV, 24:11556 (JAERI-5022, pp 27-32)
  - Stability of polyvinyl acetate emulsions produced by radiation-induced polymerization. II, 25:10594 (JAERI-5026, pp 26-34)
  - Stability of polyvinyl acetate emulsions produced by radiation-induced polymerization. I, 25:10593 (JAERI-5026, pp 15-25)
  - Studies on radiation-induced polymerization by electronic spectroscopy. I, 22:8106 (AEC-tr-6908, pp 157-72)
- KAMIYAMA, Hiroshi A remark on the equatorial electrojet, 21:23086
  - Characteristics of small dispersion whistlers observed at middle latitudes, 24:12712
  - Contribution to formation of polar F2 region through photoionization of O, 21:7085
  - Dependence of the relative intensities of some of the auroral lines upon the energy spectrum of precipitating electrons, 22:2922
  - Electron density distribution in lower ionosphere, 21:37336
  - Energy dependence of the equatorial pitch angle distribution of trapped protons, 24:51512
  - Energy dependence of the equatorial pitch angle distribution of trapped protons, 25:36002
  - Energy spectrum and pitch angle distribution for trapped particles, 24:30234
  - Flux of photons caused by energetic electrons precipitating into upper atmosphere, 21:14964
  - Height profile of Sq current in midlatitude ionosphere, 21:7088
  - Height profile of the Sq current in the midlatitude ionosphere, 23:14685
  - Ionizing effect of bremsstrahlung associated with precipitating electrons, 25:5007
  - Multi-component diffusion in the topside ionosphere, 23:25205
  - Nocturnal electrical conductivity of the equatorial ionosphere, 21:23085
  - Velocity distribution function for electrons in the ionosphere. I, 24:30233
- KAMIYAMA, Mamoru Method for producing cross-linked foamed resin, 22:45117
  - Method for producing foamed polypropylene, 22:33408
  - Method for producing foamed resin products with electron-ray bridging, 22:45122
  - Method for working foamed materials, 22:45119
- KAMIYAMA, Moto Performance tests of large- and small-volume dust samplers, 22:48947
- KAMIYAMA, R. Acute radiation injury of bone marrow and the early phase of its regeneration, 22:43399
- KAMIYAMA, S. Inertia effects in MHD hydrostatic thrust bearing, 24:2347
- KAMIYAMA, Teiji Development of U resources in Japan, 22:51115
  - Direction of development on a nuclear fuel cycle, 25:18555
  - Present status and future prospects of nuclear fuel resource, 21:41038
  - Trend in atomic power generation and uranium resources, 22:27420 (ORNL-tr-1825)
- KAMIYAMA, Zenji Device for stabilizing automatically the focal point of charged particles, 22:11861
- KAMIYMA, Hideo Radiation- and photo-induced copolymerization of arcylonitrile and propylene, 24:11560 (JAERI-5022, pp 50-2)
- KAMIZAWA, Jun Heat transfer to the solid wall with a potential difference between it and the plasma, 22:41582
- KAMKE, D. Angular distributions of protons from ^{11}B(d,p)^{12}B, 24:52424
  - Deposition and diffusion of deuterons in Au, Ni, and Cu, 21:9667
  - Evaluation of Dalitz plots, 24:45807
  - Experiments on emissions from nuclear reaction ^{11}B(p,3α) at 675-keV resonance, 21:25459
  - Ion optics of a commercial $n = {}^{1}/_{2}$ magnetic spectrometer, 21:32396
  - Trapping, diffusion, and density distribution of deuterons in self-targets of Au, Ni, and Cu, 21:35452
  - Width of 4 + (11.4 MeV) level of ^{8}Be, 23:39960
- KAMKE, D. G. States in ^{8}Be studied through reaction ^{11}B(p,α)^{8}Be, 25:50643
- KAMKE, Detlef Applying methods of nuclear physics to solid state research, 25:30647
  - Modern experimental nuclear physics, 22:1634
  - Modern experimental nuclear physics, 22:8376
- KAMLAH, A. Approximation for rotation-projected expectation values of energy for deformed nuclei, 22:53225
  - Approximation for the rotation-vibration transition region, 25:20527
  - Derivation of cranking equations from Kerman—Klein formalism, 22:30060
- KAMMASH, T. Flute-like instabilities in plasma with cylindrical relativistic electron beam, 24:35463
  - Nuclear explosives engineering at Michigan, 24:27274
  - Prog. rpt. on microinstabilities in inhomogeneous plasma, 5/66—1/67, 21:15193 (COO-1478-2)
- KAMMASH, Terry Eikonal approach to drift waves in sheared fields, 25:52869
  - Plasma stability in sheared magnetic fields, 23:14820
  - Prog. rpt. on microinstabilities in inhomogeneous plasma, 5/68—1/69, 23:18674 (COO-1478-5)
  - Prog. rpt. on microinstabilities in inhomogeneous plasma, 5/69—1/70, 24:17953 (COO-1478-6)
  - Shear stabilization of drift cyclotron instabilities in plasma, 24:17956
  - Stability of electrostatic oscillations in inhomogeneous anisotropic plasma, 22:20006
- KAMMERDIENER, J. Predictions for neutron transport in air, 24:33107
- KAMMERDIENER, John L. Sensitivity of Monte Carlo calculations to the neutron cross sections for neutron transport in nitrogen and in air, 25:38845 (UCRL-51031)
- KAMMERER, O. F. Curie—Weiss behavior and fluctuation phenomena in resistive transitions of dirty superconductors, 22:24227
  - Destruction of superconductivity in disordered near-monolayer films, 24:23919
  - Effect of dielectric and high-resistivity barriers on the superconducting transition temperature of thin films, 21:33319
  - Enhanced superconductivity in layered metallic films, 23:1310
  - Metallography of refractory metals subjected to liquid metal corrosion, 21:9058
  - Superconductive phenomena in ultra thin films, 22:2966 (BNL-11901)
  - Surface studies on niobium and some implications for superconductivity, 24:51583
  - Transition temperatures of disordered Nb, W, and Mo films, 24:1362
- KAMMERER, P. Analytical method to calculate the space dependent neutron spectrum in a heterogeneous reactor cell with any given moderator, 23:9225 (BMwF-FBK-68-32)
  - Generalized heavy gas model for reactor cell calculations, 23:9235
  - Neutron thermalization in cylinder-symmetric reactor cell of two media, 21:13949 (BMwF-FBK-66-20)
- KAMMERER, Peter Horowitz operators for organic moderators, 25:31657
- KAMMERER, U. Elastic deformations in superconductors, 23:46440
  - Ginzburg—Landau-fluxoids, 23:46445
  - Interaction force between a vortex line and a parallel dislocation, 23:44366
- KAMMERER, Yu. Yu. Organization of the first aid and rehabilitation of utilities in nuclear attack, 24:20940
- KAMMERLOCHER, M. L. Cooling the hot circuits of the Vandellos nuclear power plant, 24:30978
- KAMMERMEYER, Karl Gas and vapor separations by means of membranes, 23:13843
  - Surface diffusion of deuterium and light hydrocarbons in microporous vycor glass, 21:8271
- KAMMERUD, R. C. Intermediate-angle pion—proton elastic scattering from 3.0 to 5.0 GeV/c, 24:42885
  - Large angle proton—proton elastic scattering at intermediate momenta, 24:49313 (COO-2009-15)
  - Large angle proton—proton elastic scattering at intermediate momenta, 25:47727 (COO-2009-18)
  - Large-angle elastic proton—proton scattering from 1.5 to 3.5 GeV/c, 24:5238
- KAMMERUD, Ronald Claire Large angle proton—proton elastic scattering at intermediate momenta, 25:43539
- KAMMLOTT, G. W. Investigation of Kondo alloys and compound by the superconductive proximity effect, 25:27662
- KAMMORI, Ohiko Steel analysis with arsenazo III. IV, 21:8197
- KAMMPERMANN, H. Cathodic protection against corrosion and the application of isotope batteries, 21:26091
- KAMMURI, Tetsuo Analysis of the heavy ion induced transfer reactions, 24:20417 (JAERI-1184, pp 25-9)
  - Analysis of the three-nucleon transfer reactions in the pairing potential model, 24:6959
  - DWBA analysis of heavy ion-induced transfer reactions, 22:26880
  - DWBA analysis of heavy ion-induced transfer reaction, 23:30935
  - Nuclear collective rotation in the random phase approximation, 21:40480

  - Pairing potential and two-nucleon transfer reaction, 22:44787
- KAMO, Mutsukazu Preparation of cyclic phosphates of U(VI), 24:16514
  - Thermal decomposition of uranyl dihydrogen orthophosphate trihydrate, 24:20782
- KAMOCHI, Yasuro Hematological effects of 14.1-Mev neutrons in mice, 21:8967
- KAMOI, Itsuma Tumor-specific localizing agent for radioisotope image. III, 24:27497
- KAMOI, Koichi Quantum field theory of tachyons, 25:56560
- KAMOKAWA, Hirsoshi Particle accelerator, 21:19144
- KAMOLDINOV, M. G. Photoconductivity and quantum yield in germanium exposed to pulsed x radiation, 21:40082
  - Photoconductivity and quantum yield in germanium under the action of roentgen radiation, 23:5204 (JPRS-45278)
  - Photoconductivity of silicon in the x-ray region, 21:40083
- KAMOUN, G. Embrittlement of a steel attributed to the action of radiolytic hydrogen, 24:12439
  - Measurement of the hardness of graphite at high temperature, 24:34953
  - Properties of Dragon-Pechiney G5 graphite, 24:42230 (DP-Report-300)
- KAMOUN, R. Analogies of methods and differences in apparatus in acquisition of correlation data, 23:47886
  - Automatic trace of energy-level for processing statistical matrix A(I,J), 22:6602
  - Automatic tracing of contour curves using an A(I,J) matrix of statistical quantities, 23:35549 (ORNL-tr-2147)
  - Multiparametric recording device with 82 binary digits, 21:32536
- KAMOUN, Robert Excited levels of the ^{237}Np nucleus obtained by α radioactivity of ^{241}Am, 22:44716
- KAMPALA, Uganda) Equatorial geomagnetic micropulsations, 24:23877
- KAMPBELL, D. H. Cerium, Fe, and Mn sorption by soil colloids and uptake by plants, 21:18102 (TID-21707)
  - Soil potassium availability and reserve, 22:42662
- KAMPELMACHER, E. H. Comparative study on decontamination of mixed feeds by radicidation and by pelletisation, 22:28726
  - Effect of decontamination of feed mixtures by heat treatment and gamma-radiation, 23:32009
  - Salmonella radicidation of some foods and feeds, 24:34829
- KAMPER, C. Age-dependent toxic properties of actinomycin D and x-rays in cultured Chinese hamster cells, 22:49508
  - Sub-lethal and lethal radiation damage, 21:32745
  - Sublethal—lethal radiation damage and repair in mammalian cells, 23:20260 (BNL-50058, pp 134-60)
  - Two forms of repair of DNA following irradiation, 24:25402
- KAMPER, R. A. Contribution of thermal noise to line width of Josephson radiation, 21:41985
  - Noise thermometry with the Josephson effect, 25:14198
  - Superconducting materials, 25:52745
- KAMPFENKEL, O. Laws of similarity applied to burnout with forced convection flow, 23:43462
  - Theory of similarity of the departure from nucleate boiling in forced convection flow, 24:36054
- KAMPFFMEYER, Hermann G. Effect of drug therapy on the uptake of radioactive fluorine by osseous metastases, 22:40596
- KAMPHAUSEN, H. A. Thin glass windows for use in fast electron irradiation vessels, 21:22075
- KAMPHOUSE, J. L. Beryllium nineteen group cross sections, 21:11968 (GEMP-470)
  - Correlation of hot hardness with hot, ultimate tensile strength of irradiated and unirradiated Nb and Nb—1Zr, 22:31432
  - Hot microhardness program, MICHRD, 24:8160 (GEMP-725)
  - Hot-microhardness values for metals and alloys, 24:8159 (GEMP-716)
  - Monte Carlo spectrum-threshold detector data correlation in EBR-II, 23:37639
  - Theoretical spectrum—threshold detector data correlation in EBR-II, 24:13602 (GEMP-720)
  - Theoretical spectrum-threshold detector data correlation in EBR-II, 25:20803
- KAMPINGE, S. New materials of construction for use in the chemical engineering industry, 24:51139
- KAMPMANN, H. Bone scintigraphy with ^{18}F and /sup 87m/Sr, 23:48134
  - Comparative investigations with the Anger scintillation camera and the digital autofluoroscope, 23:33458
  - Determination of glomerular clearance with radioisotope labeled substances according to the slope method, 25:11154
  - Experimental scintigraphy of thrombi in animals, 25:11214
  - Investigation of cardiac dynamics using scintillation camera and computer, 23:48117
  - Investigations of distribution of radioisotopes, 25:6724
  - Scintigraphic and angiographic studies of the liver of dogs with experimentally produced obstructive jaundice, 25:11213
- KAMPMANN, Helmut Treatment of lethal radiation injury with nicotinic acid derivatives. II, 21:10937
- KAMPWIRTH, R. T. Apparatus for magneto-optical studies of magnetic structures at low temperatures, 24:25337
  - Domain structure of trapped flux in type-II superconductors, 24:6475
  - Electrical resistivity and peak effect in superconducting niobium, 24:19846
  - Magnetic flux structure in superconducting Nb foil, 25:25038
  - Magneto-optical observation of the magnetic flux structure in superconducting niobium, 24:32803
- KAMPWIRTH, Robert Ionization expansion of pressure-compacted vitreous silica, 23:16549
  - Radiation compaction of vitreous silica, 23:3564
- KAMRA, A. K. Effect of a solar eclipse on atmospheric potential gradients, 21:23127
- KAMRA, O. P. Radiation damage in Hordeum vulgare and Vicia faba, 24:746
- KAMRA, Om P. Changes in Ulva-lactuca Linnaeus after exposure to laser radiation, 24:34751
  - Modification of barley seed radiosensitivity with microwave radiation. I, 24:12326
  - Reconsideration of the properties of a pulsed ruby laser in relation to microsurgery, 24:34756
- KAMRAD, A. G. Investigation of the deuterium exchange in sulfur—organic compounds, 21:14225
  - Kinetics of deuterium exchange of furan and methylfurans in dimethylsulfoxide, 22:45042
- KAMRADT, Alexander C. Parametric study of shelter costs, 21:36312 (OAP-TN-21)
- KAMRAJ-MAZURKIEWICZ, Krystyna Cerebellar medulloblastoma in children with metastases to the skeletal system, 24:46640 (TT-69-50002/4, pp 429-34)
- KAMSHILOVA, E. M. Genetic effects of chronic γ-irradiation of Drosophila melanogaster males, 25:42350
- KAMUNTAVICHYUS, G. Determination of correlation energies, 24:15171
- KAMUNTAVICHYUS, G. P. Fock approximation in the field method of the many body theory in the case of unfilled shells, 21:13910
- KAMUNTAVICIUS, G. Interaction potential of α-particles obtained from scattering data at low energies, 21:20735
- KAMYAK, A. I. Fine structure of absorption spectra of uranyl nitrate crystals, 24:31314
- KAMYSHEVA, L. N. Dielectric properties of a γ-irradiated KDP crystal, 25:14432
  - Dielectric properties of γ-irradiated crystals of KH_2PO_4, 25:43443
- KAMYSHOV, N. V. Scattering of atoms of H in noble gases, 25:4957
  - Short-range repulsive forces between atoms and molecules of atmospheric gases, 24:19763
- KAMYSHOV, V. M. Solubility of oxygen in hafnium nitride, 25:35566
- KAN, I. Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
- KAN, J. R. Amplification of irregularities in the ionosphere, 21:5141
  - Formation of Debye potential well in current-carrying plasmas, 25:56174
  - Ion-wave instabilities and anomalous resistivity, 24:40118
  - Noise spectrum received by an antenna in a plasma, 23:42296
- KAN, Jen-pao X-ray induced lability of deoxyribonucleic acid molecules, 21:372
- KAN, Joseph R. Guiding-center Vlasov equation and application to Alfven waves, 24:19922
- KAN, Kh. S. Mechanism of thermoemission from high-melting metal cathodes, 23:25184
- KAN, Nancy Alpha spectroscopy of uranium in tektites, 25:44338 (NYO-844-84, pp 12-20)
- KAN, T. Experimental examination of the consistency of thermal activation analysis in niobium, 25:47131
  - Solid solution hardening of silver crystals by cadmium, 24:25711
  - Thermal and athermal yield stresses of Nb and Nb—Mo single crystals, 25:47120
- KANABROCKI, E. L. Instrumental analysis for trace elements present in Chicago area surface air, 24:31505
  - Nondialyzable manganese and copper in human bile, 21:35859
  - Thermal neutron activation analysis of airborne particulate matter, 24:107
- KANABROCKI, Eugene Neutron-activation studies of trace elements in human fingernails, 23:50295
- KANABROCKI, Eugene L. Thermal neutron activation analysis of surface air, 24:9245
- KANABUS, Jan Protein synthesis in germinating seeds, 25:44250 (COO-1313-28)
- KANADA, Hiroyuki Analysis of pion—nucleon scattering at high energy, 22:9607
  - Analysis of pion—pion scattering through Chew—Mandelstam equation, 23:46620
  - Analysis of proton—proton scattering at high energy, 22:13773
  - Backward peak in proton—deuteron elastic scattering, 23:42695
  - Composite model and high energy quasi elastic scattering, 23:39736
  - Effect of nucleon higher resonances on the nucleon electromagnetic form factors, 24:3593
  - Exact treatment of ($\pi^+\pi \rightarrow N^+$ anti N) amplitude and electromagnetic structure of nucleon, 22:5530
  - Iso-vector part of the nucleon electromagnetic form factors, 24:8607
  - K—N inelastic processes, 22:17873
  - On pion—nucleon scattering at high energies, 21:17114
  - Proton—nucleus scattering at very high energy, 22:46462
  - Realistic spectral function for iso-vector part and asymptotic behavior of nucleon form factor, 25:40936
  - Remarks on S-wave pion—pion scattering, 21:35302
  - Two-pion exchange contribution to nucleon—nucleon scattering, 25:9807
- KANAE Radioinduced electrical conductivity of n-hexane, 23:17460 (JAERI-5018, pp 65-7)
- KANAE, Y. Drop tests of shipping containers for PWR type new fuels, 25:48862 (CONF-710801-(Vol.2), pp 861-72)
  - Drop-impact test on a spent-fuel shipping cask, 25:51838
  - Experimental study on the drop impact of spent fuel shipping cask, 25:48852 (CONF-710801-(Vol.2), pp 727-39)
- KANAEV, A. A. Atomic power plants for ships, 22:46981 (JPRS-46321)
  - Marine and stationary liquid metal power installations, 23:52319
- KANAEV, B. I. Instability of plasma in mirror trap, 24:24014
  - Investigation of plasma decay in the PR-6 adiabatic trap, 25:38365 (CONF-710607-94)
  - Ion-cyclotron instability in PR-5 device, 23:32468
- KANAEV, N. A. Accelerated determinations of rare earth metals in alloys, 25:39406
- KANAEV, S. V. Effect of bone marrow hydrolyzate on survival of irradiated rabbits, 25:16333
  - Vitamin B_6 effects upon ^{59}Fe utilization by pronormoblasts and normoblasts of patients with iron deficiency anemias, 23:16228
- KANAFANI, Santos Briz Perfusion ^{131}I macroaggregate brain scanning, 23:33767
- KANAGAMI, Haruo Pulmonary function after radiotherapy. II, 25:49309
- KANAGAWA, A. Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
- KANAGAWA, Akira Separation of argon isotope by hot wire thermal diffusion column, 24:36518
  - Technical performance of, and economic conditions for gas centrifugal separation, 24:11736 (NP-tr-1869)
- KANAI, Masanori Method for producing foamed bodies of synthetic resins, 21:1405
  - Method for producing foamed bodies of synthetic resins, 21:6901
- KANAI, Takehiko PVP-^{131}I treatment by fractional injection for hyperthyroidism, 21:45696
- KANAI, Tsutomu Development on advance reactors, 23:11176
  - Nuclear reactor, 22:37486
  - Nuclear reactor, 22:37485
- KANAI, Yasuji Comparison of calculated values with actual gamma doses penetrating through ship structures, 23:13565 (AERE-R-5773(Vol.4), pp 989-98)
- KANAJI, Toru Method for measuring pulsed x-ray with low intensity, 25:44696
  - MeV 6 electron linear accelerator. II, 22:24773
  - Precise control of linear electron accelerator. I, 23:5740
  - Pulsed x-ray radiography with electron linear accelerator. I, 22:11758
- KANAL, M. Spherically symmetric boundary value problems in one-speed transport theory, 24:20628
- KANAL, Madhoo Boundary-value problems of linear transport theory, 25:9952
  - Green's function technique for boundary-value problems, 25:7503
- KANAMITSU, Masatsugu Serologic response of atomic bomb survivors following Asian influenza vaccination, 21:12926
- KANAMORI, A. Heat removal from a 350-MW(e) DFBR, 24:7107
- KANAMORI, A. J. Evaluation of materials wastage due to reactions of water in sodium, 24:4048 (APDA-227)
- KANAMORI, Hiroji Dosimeter Type DM-3000, 25:39769
- KANAMORI, Koichi Equipment for process water production and waste water disposal for reactors, 25:48275
- KANAMORI, Koji Betatron accelerating tube with an electron gun of twin filaments, 22:9752
  - Betatron, 21:5452
  - Shimadzu high intensity 20-MeV medical betatron, 25:41155
- KANAMORI, Naokazu Device for fixing a container in a transport tube, 21:15801
- KANAMORI, T. Operating characteristics of 300 keV, 30 mA electron accelerator, 24:33077
- KANANEN, Gerald Isotope effects on succinate dehydrogenase-L-chlorosuccinate system, 23:2300
- KANANEN, H. Atmospheric effects of cosmic ray μ-meson intensity, 22:47849
  - Construction of a scintillation counter telescope for the registration of the meson component of cosmic rays, 25:10871
  - Cosmic ray μ-meson intensity during rapid pressure variations, 22:47846
- KANAPILLY, G. M. Behavior of injected and inhaled ^{95}Nb(V) oxalate, 24:34024 (LF-41, pp 121-9)
  - Colloid filtration as a preparative method for the radiochemical analysis of biological samples, 23:47389
  - Dissolution of small radioactive particles, 25:29080 (LF-43, pp 40-51)
  - Distribution of ^{99}Mo in dogs after inhalation, 24:34023 (LF-41, pp 117-20)
  - Generation of aerosols of insoluble particles for inhalation studies, 24:33789 (LF-41, pp 61-9)
  - New method for the generation of aerosols of insoluble particles, 25:13145
  - Physical and chemical characteristics of aerosols produced from solutions of polyvalent metallic nuclides, 25:29079 (LF-43, pp 31-9)
  - Physical and chemical characteristics of aerosols produced from solutions of polyvalent metallic nuclides, 25:54545
  - Relationship between particle size and respiratory deposition of ^{140}La-labeled aerosols in dogs, 24:34018 (LF-41, pp 82-7)
  - Separation of ^{90}Y from ^{90}Sr, 24:33759 (LF-41, pp 75-81)
  - Separation of multicurie quantities of ^{90}Y from ^{90}Sr, 25:57352
  - Toxicity of inhaled ^{90}Sr fused clay in beagle dogs. I, 25:29437 (LF-43, pp 188-96)
  - Toxicity of inhaled ^{90}Y fused clay in dogs, 24:34625 (LF-41, pp 46-58)
  - Toxicity of inhaled ^{90}Y fused clay in beagle dogs. II, 25:29434 (LF-43, pp 146-62)
  - Toxicity of inhaled ^{91}Y fused clay in beagle dogs. I, 25:29435 (LF-43, pp 163-70)
  - Toxicity of inhaled $^{91}YCl_3$ in beagle dogs, 24:34622 (LF-41, pp 15-18)

- KANAPILLY, George M. Amalgam exchange separation of radiothallium, 21:10423
- KANAPILLY, George Mathew Radiochemistry of thallium, 22:35918
- KANAREIKIN, V. A. Cesium-137 in human body, bread, and milk, 22:51595
  - Change in the ^{137}Cs concentration in humans, 21:36608
  - Relative natural radioactivity of photomultipliers FEU-49, 21:16239
- KANAREK, T. Accuracy of γ-quanta energy determination in Xe bubble chamber, 21:30695 (JINR-P1-3317)
  - Effective mass spectra of the $\gamma\gamma$, $\pi^0\gamma$, $\pi^0\gamma\gamma$, $\pi^0\pi^0$, π^0eta^0, $\pi^0\pi^0\gamma$, $\pi^0\pi^0\pi^0$ systems in mass value region M (γ.......γ) less than or equal to 1.3 GeV, 25:14560 (JINR-E1-5349)
  - M($\pi^0\pi^0$) effective mass spectrum, 23:42564
  - Method and parameter determination program for computing space coordinates of track points in a bubble chamber, 22:4472 (JINR-P1-3487)
  - Neutral bosons decaying into π^0 mesons and γ quanta, 21:17043 (JINR-E1-3100)
  - Neutral decay modes of the eta^0 particle, 25:17353 (JINR-E1-5256)
  - Neutral decays $\omega^0 \rightarrow$ etaγ and $\omega^0 \rightarrow \pi^0\pi^0\gamma$, 23:42563
  - Precision of the determination of the energy of gamma quanta in xenon bubble chambers, 22:38084
- KANAREK, T. I. Detection of $\pi^0 + \gamma$-decay of ω^0-mesons produced by π^--mesons with the 9 GeV/c momentum in π^--Xe interactions, 21:3976 (JINR-P1-2948)
  - Detection of the $\omega^0 \rightarrow \pi^0\gamma$ decay for π^- mesons produced by the 9 GeV/c mesons in the π^-—Xe interactions, 22:5517
- KANARIK, U. Endocrine stress syndrome in chicks following gamma-ray irradiation, 25:39912
- KANARIS, A. Electroproduction of pions, 22:9500
  - Electroproduction of pions, 22:11567 (DESY-67/31)
  - Electroproduction of rho^0 mesons, 22:13634 (DESY-67/41)
  - Electroproduction of rho^0 mesons, 22:15716
- KANARIS-SOTIRIOU, R. Thin windows for flow proportional counters in x-ray fluorescence spectrometers, 23:29162
- KANASAKI, Yoshiki Local circulation in irradiated skin, 25:58125
- KANASEWICH, E. R. Dirac's principle of cosmology and radioactive dating, 24:30116
- KANASHEVICH, V. I. Diffraction scattering of 40-MeV α particles by complex nuclei, 21:33943
  - Excitation functions of reactions induced by alpha particles of 38 MeV on copper isotopes, 25:53699
- KANASHIN, Yu. P. Polarization of a zinc cathode during thorium precipitation from molten halide salts, 25:42821
  - Precipitation of uranium from a melt of fused halides with a molten zinc cathode, 25:54580
  - Thermodynamics of La—Zn system, 24:14737
- KANASIEWICZ, Jerzy Geochemical profile of U, Se, and Rh in the Zechstein of the Leszczyna trough, 21:16024
  - Rare elements in Cu-bearing marl of Lower Zechstein, 21:30552
- KANATAS, G. Possible resonance in muonic ^{183}W, 25:48128
- KANATCHINOV, A. K. Recombination coefficients in a dense weakly ionized cesium plasma, 24:35245
- KANAVETS, V. P. Deuteron generation on nuclei by high-energy protons, 24:28485
  - Methods for monitoring proton incidence on the internal targets of high-energy accelerators, 25:31043 (NP-18776)
  - Methods of monitoring proton discharge onto the internal target of a high-energy accelerator, 25:31064
  - Temporal fluctuations of pulses from FEU-36, 24:11866
- KANAYA, Hiroshi Radiometric survey with a car-mounted instrument in the southern part of Hyogo prefecture, 22:6451
- KANAYA, K. Optics of high-efficiency electron guns, 21:20765
- KANAYA, Koichi Aberrations of electrostatic quadrupole lens for modified bell-shaped model, 24:26552
  - Electron gun with a plurality of the control electrodes, 22:9750
  - Electron optical properties of quadrupole and octupole electron lenses, 23:5727
  - Implantation of Al and Sb into Si targets, 24:28429
  - Ion beam device for processing and penetration range study, 24:30133
  - Penetration of energetic ions in monocrystalline targets and channeling diodes, 22:39171
  - Penetration range of energetic ions in irradiated amorphous targets, 22:24042
  - Quadrupole system for electron-beam curing apparatus, 24:26554
  - Spherical aberration of electrostatic symmetrical quadrupole doublet, 24:26553
- KANAYA, T. Oxidation of Am(III) with ammonium peroxydisulphate, 25:41785
- KANAYAMA, M. Carbon—Al parallel plate dynode electron multiplier, 23:9705
- KANAYAMA, Michio Parallel plate dynode electron multiplier, 23:41017
- KANAZAWA, A. Off-mass-shell Veneziano-type amplitude compatible with PCAC and broken chiral symmetry, 24:45615
  - Off-mass-shell Veneziano-type amplitudes and π,K form factors, 25:38737
- KANAZAWA, Akira Electromagnetic structure of the nucleon, 24:18122
  - Note on the real to imaginary ratio of the π^-p charge exchange scattering amplitude at high energies, 22:20251
  - Phenomenological model of the ps-meson production near the threshold, 22:13762
  - Pion electromagnetic form factor with dipion unitarity, 25:3330
  - Quark—antiquark—meson interactions and SU(6) symmetry, 21:13706
  - Three-pion decay of eta in SU_3 x SU_3 chiral dynamics, 23:1665
  - Three-pion decays of eta and K and the final state interactions, 23:8780
  - X^0—eta mixing and radiative meson decays, 22:32091
- KANAZAWA, Mamoru Shallow donor state produced by proton bombardment of silicon, 25:27847
- KANAZAWA, Masaaki Angular distributions of fast photoneutrons from Pb, Bi, and Ta, 23:15457
  - Photoproton spectra from natural sulphur, 23:15405
  - Photoproton spectrum from ^{19}F, 23:8963
- KANAZAWA, Masahiro Cooling system of ML-300 electron linac, 22:22507
- KANAZAWA, R. M. Calculation of the response of rods to boundary layer pressure fluctuations, 24:52869 (ANL-7685, pp 47-63)
- KANAZAWA, T. Atmospheric ozone and radioactive fallout, 21:1465
- KANAZAWA, Tamotsu Badge film dosimetry, 23:35523
  - New gamma-irradiation facility, 24:39121
  - On the uniformity of the industrial lead foil screen and the x-ray film, 22:43146
  - Van de Graaff type positive-ion accelerator of ORC, 22:13887
- KANAZAWA, Teruko Atmospheric ozone and radioactive fallout, 22:51102
- KANAZAWA, Yoshiko ESR study of radiation-induced graft-polymerization of methyl methacrylate on flaky glass, 25:8277 (NSJ-tr-160)
  - Radioinduced graft-polymerization of methyl methacrylate on flaky glass, 23:49852
  - Radioinduced graft-polymerization on flaky glass surface, 23:11574
  - Thin filler as radiation-induced graft—polymer of vinyl monomer, 24:20831
- KANAZIR, D. Effect of homologous desoxyribonucleic acid on DNA of irradiated seeds, 22:15113
  - Effect of native isologous DNA on metabolism of DNA in uv-irradiated L cells, 23:11938 (AEC-tr-6646/4A, pp 155-8)
  - Fate of exogenous DNA in uv-irradiated L cells, 23:11933 (AEC-tr-6646/4A, pp 59-62)
  - Recovery effect of highly polymerized homologous testis and liver DNA on seminiferous epithelium of x-irradiated rats, 23:12139 (AEC-tr-6646/4A, pp 133-7)
  - Spontaneous and radiation induced chromosome aberrations in the bone marrow of rats in vivo, 23:12047 (AEC-tr-6646/4A, pp 115-19)
- KANAZIR, D. T. Effect of x irradiation on RNA of rat liver, 21:22245
- KANAZIR, Dusan Effect of homologous testis DNA on the testis cell ribonucleic acid metabolism of lethally irradiated rats, 23:11939 (AEC-tr-6646/4A, pp 159-63)
  - Fate of labeled liver deoxyribonucleic acid injected in irradiated and nonirradiated animals, 21:20068
- KANAZIR, Dusan T. Ultraviolet-induced reversions of Salmonella his frameshift mutations, 24:17038
- KANAZIRSKI, H. Investigation into the elastic pd-scattering by the thin internal target method, 23:19662
- KANAZIRSKI, Kh. Analysis of spiral and spin amplitudes in reaction π^+p $\rightarrow$ N^{*++}rho^0, 24:1587 (JINR-P1-4668)
  - Analysis of the π^+p $\rightarrow$ N^* rho^0 and π^+p $\rightarrow$ N^* ω^0 reactions at the π^+-meson momentum of 2.3 GeV/c, 23:51932 (JINR-P1-4657)
  - Elastic scattering PI$^+$p at 2.34 GeV/c PI$^+$ meson pulses, 22:50293 (JINR-P1-4003)
  - Investigation of rho$^+$ and N^{*++} resonance production in two-pronged π^+p interactions at 2.34 GeV/c, 23:18806 (JINR-P1-4271)
  - Investigation of two-prong π^+p interactions at 2.34 GeV/c, 24:28493
  - Joint resonance production in 4-prong π^+-p interactions at 2.34 GeV/c, 23:23471 (JINR-P1-4330)
  - Resonance production in 4-prong π^+p-interactions at 2.34 GeV/c, 24:3522 (JINR-P1-4611)
- KANAZIRSKI, Kh. M. Pi$^+$p $\rightarrow$ π^+pπ^0 reaction for π^+ meson momentum of 2.34 GeV/c, 22:22314
  - Resonance production in π^+-p interactions at 2.34 GeV/c leading to three-particle final states, 23:8736 (JINR-P1-4097)
- KANAZIRSKII, Kh. Determination of resonance production cross section in π^+p interactions at 2.34 GeV/c, 25:9662
- KANBAI, G. G. Histopathology of radiation-induced retinitis, 25:21893
  - Retrograde injury of the retina by ionizing radiation, 25:26902
- KANBARA, Toyozo Fuel-rod support mechanism, 23:7431
  - Thermal-neutron reactor, 22:7871
- KANBAY, G. G. Retrograde lesions of the retina after exposure to ionizing radiation, 25:6799
- KANCHELI, O. V. Asymptotic theory of interactions between hadrons and atomic nuclei, 24:42992
  - Asymptotics of inelastic processes with small transverse momentum, 22:35132
  - Branching points in a plane with complex angular momentum and the structure of the diffraction peak, 21:46592
  - High-energy deuteron—deuteron interaction and inelastic processes, 25:22847
  - Inclusive processes at large transferred momenta, 25:59444
  - Inelastic differential cross sections at high energies and duality, 24:52066
  - Interaction of hadrons with deuterons at high energies, inelastic processes, and duality, 24:49540
  - Mass difference of K^0/sub S/ and K^0/ sub L/ mesons, mass of W meson, and sum rules for spectral functions, 22:32095
  - Reggeon diagram method for inelastic processes with arbitrary number of particles, 22:39364
  - Reggeon graphs for inelastic processes, 22:32216
  - Tadpole mechanism in hadron decays and current commutators, 21:40194
  - Theory of multiple production at high energies, 22:44410
  - Total differential cross sections of inelastic processes at high energies, 25:45687
- KANCHI, M. B. Structural characteristics of cylindrical pressure vessels of medium thickness, 21:10173
- KANCHIKU, Yoshihiko New spectrophotometric method for the determination of technetium with 1,5-diphenylcarbazide, 21:4450
  - Photochemical behavior of hexachlorotechnetate(IV) ion, 22:51024
  - Photochemical reaction of Tc(IV) chlorocomplexes, 22:8116
  - Solvent extraction and spectrophotometric determination of the pertechnetate ion with methyl violet, 21:23845
- KANDA, E. Dilution refrigerator for nuclear boiling designed to minimize eddy-current heating, 25:45434
- KANDA, Eizo High-pressure anvil for susceptibility measurement at low temperature, 24:28183
  - Pressure dependence of superconducting transition temperature of CuS, 24:15205
- KANDA, Frank A. Phase equilibria and specific volumes of liquid metals and alloys, 22:10948 (NYO-2731-4)
  - Phase equilibria and specific volumes of liquid metals and alloys, 22:12951 (NYO-2731-3)
  - Prog. rpt. on phase equilibria and specific volumes of liquid metals and alloys, 8/66—7/67, 21:34915 (NYO-2731-8)
- KANDA, Keiji Age of fission neutrons to indium resonance in water and polyethylene, 25:28157
  - Computer control of KUR-2, 25:46300 (KURRI-TR-75, pp 99-104)
  - Measurements of neutron flux and spectrum at KUR irradiation facilities, 24:26808 (KURRI-TR-60)
  - Neutron flux and spectrum at irradiation facilities of KUR, 23:49596
  - Neutron fluxes in multi-layer medium, 23:47275
  - Second neutron measurements symposium, 25:4320 (KURRI-TR-59)
  - Spectral indices of an intermediate energy neutron system, 21:9919
  - Spectral indices of an intermediate energy neutron system, 24:1723
  - Thermal neutron spectra in undermoderated reactor system, 21:44527
- KANDA, Kosuke Prevention of leucopenia in radiation therapy, 23:50629
  - Protective effect of an L-cysteine derivative on hematopoietic damage caused by radiotheraphy, 25:29545
- KANDA, Y. Fast neutron cross-section data, 23:5859
- KANDA, Yoshiya Emission spectra of pyrazine and deuterated pyrazines, 25:46482
- KANDA, Yukinori Isomeric pair /sup 120g/Sb and /sup 120m/Sb in ^{121}Sb(n,2n) reaction, 22:16051
  - Measurement of the counting efficiency of an associated particle time-of-flight spectrometer, 21:41224
  - Pulsed neutron research. I, 22:7618
- KANDA, Yukio Analysis of long-term observations of ^{90}Sr deposition, 22:12443
  - Seasonal variation of ^{90}Sr fallout at Niigata, 22:23167
  - Separation and detection of ^{237}U from fallout, 23:9520
- KANDEL, R. Free—free absorption of Cl$^-$, 21:3595
  - Model atmospheres for late-type stars, 21:20672
  - Spectrum of 61 Cyg B, 22:23986
  - Variations of H and K emissions of M dwarf HD 119850, 22:23985
- KANDEL, Robert Contribution to study of atmospheres of cold dwarf stars. II, 22:17333
  - Models of atmospheres for cool dwarf stars, 21:37075
- KANDIAH, K. Analogue-to-digital converter employing recycled successive approximations, 23:41104 (EUR-4289, pp 205-10)
  - Direct-coupled pulse amplifying and analyzing system for nuclear-particle spectrometry, 23:22074
  - High resolution spectrometry with nuclear radiation detectors, 25:48963
  - Ion implantation in semiconductors, 23:32565
  - Matrix-addressed diode array, 23:22028
  - Nuclear instruments over the last fifty years, 22:28101
  - Problems connected with high rates in pulse counting systems, 21:20004
  - Reduction of noise in nuclear-particle spectrometers by using switched time constants and gated integrators, 23:22071
- KANDIAH, Kathirkamathamby Improvements in or relating to nuclear particle discriminators, 22:47354
  - Improvements in pulse analysing and counting, 23:33571
- KANDIL, A. Angular distribution of fission fragments from ^{170}Yb compound nucleus, 25:17860 (CU-1019-76)
  - Angular distribution of fission fragments from the ^{170}Yb compound nucleus excited to 107 MeV, 25:31371
- KANDIL, Abdel-Hakim T. Charged particle fission of ^{238}U, 25:34119
- KANDIL, Abdel-Hakim Taha Charged particle fission of ^{238}U, 25:10052
- KANDO, Hisashi Consideration of eigenvalue sensitivity for a reactor system, 25:54258
- KANDO, Masashi Diffusion measurement in an axially decaying magnetized plasma with oscillations, 25:52774
  - High density theta-pinch plasma pre-ionized by shock wave, 25:59056
  - Instability in weakly ionized afterglow plasma in short tube, 24:35471
- KANDOLA, H. S. Open spikelet, 23:14145
- KANDOV, A. I. Effects of γ-radiation on pollen metabolism in mallow plants, 24:25597
- KANDPAL, C. D. Photoelectric elements of eclipsing binary TX Leo, 23:16577
  - Photoelectric elements of eclipsing system WX Cep, 25:19335
  - Photoelectric elements of eclipsing system WX Cephei, 25:35662

  - Photoelectric study of eclipsing system GG Cas, 25:19336
- KANDYBA, V. V. Application of MP-59M instrument for plasma diagnostics, 21:20930
- KANE, D. $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$ between 1730 MeV and 2150 MeV, 25:7554 (UCRL-19790)
  - Study of Σ (1915) resonance in reaction $K^-p \rightarrow \Lambda \pi^0$, 25:9659 (UCRL-19789)
- KANE, Daniel F. Jr. Study of reactions $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$ (π^0) between .85 and 1.15 GeV/c, 25:47743 (UCRL-20676)
- KANE, Daniel Frederick Jr. Study of reactions $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$ (π^0) between 1.1 and 1.7 GeV/c, 25:40884 (UCRL-20682)
- KANE, E. O. Electron scattering by pair production in silicon, 21:37577
- KANE, F. R. Nuclear gamma rays in ^{19}F following stopping pions, 24:52462
- KANE, G. Energy spectrum of ^{8}Li fragments resulting from bombardment of AgBr by 28 GeV protons, 25:59278
- KANE, G. L. Beyond one-particle exchange, 25:47836
  - Bootstrap calculation of vector-meson—baryon coupling constants, 22:46442
  - Can the parity of the Ω^- be measured, 23:15120
  - Comparison of the high energy models for neutral meson photoproduction and the related hadronic processes, 25:56458
  - Critical review of $\pi\pi$ and $K\pi$ scattering, 25:17483
  - Dual, crossing-symmetric amplitude with Mandelstam analyticity, 25:14821
  - Interference of kaon resonances, 22:44415
  - Modified analysis of nucleon electromagnetic form-factor data, 21:5370
  - Modified extrapolation to determine the $\pi\pi$ cross section, 23:18894
  - Phenomenology with absorptive cut models, 23:51941
  - Possible zero at a wrong-signature sense point on Δ trajectory, 23:32747
  - Regge cuts, absorption model, and diffraction dips in inelastic scattering, 22:48323
  - Regge cuts, absorption model, and diffractive effects in inelastic scattering, 23:42778
  - Regge-pole model with cuts generated by absorption for the reaction $\pi^+n \rightarrow \omega p$, 23:8812
  - Simplified procedure for performing absorption corrections, 22:5674
  - Some consequences of SU(3) and charge-conjugation invariance for K-meson resonances, 21:29552
  - Strong absorptive Regge-cut model for pion photoproduction, $np \rightarrow pn$, and related processes, 25:7597
  - Strong-cut Reggeized absorption model for backward scattering, 24:35661
  - Structure of high-energy two-body non-diffractive reactions, 25:3454
  - Virtual pions, 24:30522 (CONF-690521-, pp 533-61)
- KANE, Gordon Cross sections which will be large at very high energies, 25:17471
- KANE, Gordon L. Consequences of SU(3) and charge conjugation invariance for K-meson resonances, 21:35331 (COO-1112-111)
- KANE, J. High-energy gamma-ray detector with angular and spectral resolution, 21:16186
- KANE, J. A. D region radio measurements at the magnetic equator, 24:32730 (N-70-14217)
  - D-region electron density measurements during solar eclipse of May 20, 1966, 23:27500
  - Electron and positive ion density measurements during conditions of auroral absorption, 23:6917
  - Electron densities measured by the partial reflection method compared with simultaneous rocket measurements, 24:35314
  - Removal of electrons above mesopause in summer, 24:42562
  - Results of rocket measurements in the lower auroral ionosphere, 23:34338
  - Rocket measurements of D-region electron number densities at sunrise, 21:13450
- KANE, J. F. Major repair and modification techniques used on large-scale separation facilities, 21:6106
- KANE, J. R. Liquid He scintillation counter of large volume, 24:11815
  - Negative-muon depolarization in low-Z elements and hydrogen compounds, 22:21860
  - Nuclear gamma rays in ^{19}F following stopping pions, 24:52462
  - Pionic and muonic x rays in liquid helium, 22:1007
  - Versatile liquid helium scintillation counter of large volume design, 24:7650 (N-69-38182)
- KANE, J. S. Materials aspects of ^{233}U, ^{235}U, and ^{239}Pu for space power reactor, 21:40656 (UCID-15191)
  - Precipitation hardening of Mo—1 at. percent Hf by internal nitriding, 25:24562 (UCRL-50958)
  - Use of nitrides for dispersion-strengthening of refractory metals, 23:3031 (UCRL-50487)
- KANE, J. V. Helium-3 + p elastic scattering from 12.6 to 15.4 MeV, 21:35409
  - New kind of radiation analyzer, 22:28128
  - Single crystal Ge(Li) Compton spectrometer, 21:43257
- KANE, J. W. Coupling of density and spin fluctuations to quasi particles in Fermi liquid, 22:50264
  - Logarithmic terms in specific heat of normal Fermi liquid, 22:50265
  - Long-range order in superfluid helium, 21:18551
  - Quasi particle self-energy and specific heat of Fermi liquid: application to ^{3}He, 21:37357
- KANE, James S. Creep of internally nitrided Mo-based alloy, 24:14755
  - Internal nitriding of Mo—Hf alloys, 25:40020 (UCRL-73100)
- KANE, John V. Spatially alternating gradient voltage system for a Van de Graaff accelerator, 22:13892
- KANE, John W. Jr. Directional correlations of gamma ray cascades in ^{103}Rh, 22:27170
- KANE, John William Jr. Decay of ^{181}Os, ^{74}As, and ^{51}Cr, 25:3704
- KANE, Joseph William Green's functions and superfluid He. I and II, 21:33352
- KANE, Lawrence L. New approaches to oxygen problem in radiotherapy, 25:24273 (UCSF-10-P-2-123)
- KANE, M. J. Effect of x-irradiation on marrow blood volume, 23:41453
- KANE, P. P. Compton scattering by K-shell electrons at 1.12 MeV, 25:49752
  - Elastic scattering of 1.33-MeV γ rays at high momentum transfer as a function of atomic number, 22:32647
  - Possibilities of observation of nonlinear quantum electrodynamic effects in vacuum, 21:11810
  - Real parts of Delbrueck scattering amplitudes, 25:17795
  - Recent work in x-ray and γ-ray scattering, 23:37354
- KANE, R. J. Reaction ^{11}B(p,α_1)^{8}Be(α_2)^{4}He with E/sub p/ < 1400 keV, 24:45737
- KANE, R. P. Characteristics of storm-time geomagnetic daily variation, 25:58874
  - Comparison of spectral characteristics of long-term and short-term changes in cosmic-ray intensity, 21:5105
  - Diurnal anisotropy of cosmic-ray intensity, 24:45065
  - Gradient of cosmic-ray intensity perpendicular to the ecliptic plane, 22:47844
  - Hysteresis of cosmic-ray intensity during the recent solar cycle, 21:9355
  - Modulation of galactic cosmic rays: review, 25:35907
  - Nature of the daily variation of geomagnetic field, 25:14111
  - Relationship between day-to-day variability of Sq and interplanetary plasma parameters, 25:45370
  - Relationship between H ranges at equatorial and middle latitudes, 25:27504
  - Some characteristics of the daily variation of cosmic ray intensity, 21:3717
- KANE, Raymond Joseph Reaction ^{6}Li states from ^{7}Li(^{3}He,α)^{6}Li, 25:17712
- KANE, Robert Fracture in hot deformation processing of metals, 22:4764 (AD-648451)
- KANE, Robert L. Corrosion of light metals, 22:4748
- KANE, S. R. Atlas of 10 to 50 keV solar flare x rays observed by OGO satellites, 1—12/67, 24:8359 (N-69-39175)
  - Atlas of 10 to 50 keV solar flare x-rays, 23:25109
  - Construction, calibration, and operation of experiments for OGO-I and OGO-III, 21:8582 (NP-16424)
  - Description of data plots from ion chamber and electron spectrometer on OGO-1 and OGO-3, 24:37320 (N-70-17624)
  - Energetic solar flare x-rays observed by satellite, 22:17245
  - Hysteresis effect in cosmic ray modulation, 24:6391
  - Impulsive hard x-ray and ultraviolet emission during solar flares, 25:16699
  - Modulation and heliocentric gradient of low-energy cosmic rays near solar minimum, 1965, 23:48758 (N-69-31835)
  - Observation of 10 to 50 keV solar flare x-rays, 23:36426
  - Observation of solar flare x rays by OGO satellites, 22:19685 (CONF-670953-1)
  - Observations of the screening of solar cosmic rays by the outer magnetosphere, 23:6934
  - Observations of two components in energetic solar x-ray bursts, 23:41863
  - Re-interpretation of OSO-III scintillation counter measurements of hard solar x-ray spectra, 25:7060
  - Solar flare x rays observed by OGO satellites, 22:36570 (N-68-23026)
  - Spectral characteristics of impulsive solar-flare x rays greater than or equal to 10 keV, 25:7089
  - Study of energetic solar flare x rays, 22:879
  - Survey of total radiation in space observed by OGO satellites, 24:37319 (N-70-17448)
- KANE, Sharad Ramchandra Application of an integrating type ionization chamber to measurements of radiation in space, 22:43041
- KANE, W. E. Revision of 05R subroutine INELAS, 21:21440 (UCID-15095)
- KANE, W. F. Insurance aspects of irradiated fuel shipments, 24:13578
- KANE, W. R. Correlations between (n,γ) and (d,p) reactions on N = 82 nuclei, 23:15476
  - Decay of ^{200}Au (48 min), 22:37350
  - Empirical method for determining relative efficiency of Ge(Li) gamma-ray detector, 22:333
  - Evidence for the missing 2- state in ^{110}Ag, 25:5712
  - Gamma rays from ^{189}Os(n,γ)^{190}Os reaction, 23:34769 (ANL-7282, pp 19-27)
  - Gamma rays from reaction ^{199}Hg(n,γ)^{200}Hg and energy levels in ^{200}Hg, 22:9902
  - Gamma rays from the ^{53}Cr(n,γ)^{54}Cr reaction, 23:34739 (ANL-7282, pp 312-18)
  - Level structure of ^{141}Ce from ^{140}Ce(n,γ)^{141}Ce reaction, 24:40637
  - Level structure of ^{190}Os, 21:29958 (BNL-11426)
  - Neutron-capture gamma rays from the 14.1-eV resonance in ^{131}Xe(n,γ)^{132}Xe, 25:34100
  - Reaction (n,γ) with a neutron monochromator, 24:7643 (BNL-14110)
  - Reaction ^{135}Ba(n,γ) and level structure of ^{136}Ba, 23:42949
  - Reaction ^{137}Ba(n,γ) and level structure of ^{138}Ba, 22:53202
  - Reaction ^{138}Ba(n,γ)^{139}Ba and evidence for direct capture, 23:37279
- KANE, William J. Fundamental concepts in bone—blood flow studies, 23:20275
- KANEDA, A. Leak rate test on nuclear reactor containment vessel, 24:28979
  - Leak rate test on reactor containment vessel for Mihama Power Station, 25:60000
- KANEDA, Eisuke Hydrogen emission preceding auroral breakup, 23:25202
- KANEDA, H. Electrocardiographic study of cardiac damage secondary to radiotherapy of malignant intrathoracic tumors, 22:40857
  - Results of experimental investigations on the dose fractionation problem, 22:2481
- KANEDA, Hiromu Clinical observations on grid irradiation, 21:16476
  - Radiation dose: tumor control assays for irradiation through a sieve, 22:38386
  - Radiotherapy of lung cancer, 24:23291
- KANEDA, Katsuichi Radial electric field parameter in EHD power generators, 23:6906
- KANEDA, Koichi Radiotherapy of cancer of the hematopoietic system, 24:25542
- KANEDA, Ryoichi The effect of telecobalt irradiation on the primary lesion of uterine cervix cancer, 22:19395
- KANEDA, Shoken Demonstration of genetic disparity by mixed cultures of allogeneic mouse lymph node cells, 22:36170
- KANEDA, Takeshi Experimental studies on allotransplantation immunity, 21:11061
- KANEEV, M. A. Determination of coefficient of radiation-stimulated diffusion in CdS, 22:46238
  - Radiation-induced changes in the coherent emission from CdS crystals, 25:7470
  - Radiation-stimulated diffusion in cadmium sulfide, 21:37556
- KANEHIRO, Y. Effects of gamma irradiation on the available nitrogen status of soils, 24:25223
  - Recovery of added nitrogen from gamma-irradiated soils, 23:47590
- KANEKAO, Takejiro Magnetic properties of Nd compounds with Va elements, 23:21002
- KANEKAR, C. R. Moessbauer spectra of ^{119}Sn in EuSn$_3$ and GdSn$_3$, 22:26461
  - Moessbauer study of low-temperature phases of CeSn$_3$, 22:34747
- KANEKAWA, Kiyoshi Doping of silicon by ion implantation, 22:24450
- KANEKI, Yoshizo Effects of γ irradiation on growth and yield of crops, 23:8084
- KANEKO, Akihiro One case of radiation retinopathy, 25:6805
- KANEKO, Eiji Reactor period meter, 23:7904
- KANEKO, H. Thermal diffusivity and thermal conductivity of uranium—plutonium dioxide, 24:14916
  - Thermal diffusivity measurements of hypostoichiometric UO$_2$ and U—Pu oxide, 24:39706
- KANEKO, Hiroko Spectrophotometric determination of yttrium or lanthanum in aluminum alloys using the separation of aluminum by oxine extraction, 22:8004
- KANEKO, Hiromitsu Calculation program MIVOID for structure change of oxide fuel, 24:3050
  - Measurement of hypostoichiometric UO$_2$, 23:44011
- KANEKO, Hirosuke Uranium in Japanese coal-bearing beds, 21:14339
- KANEKO, Keiji Analysis and separation of rare earth elements. I, 21:42893
  - Analysis and separation of rare earth elements. II, 21:43035
  - Determination of impurities in yttrium, 23:19621
  - Emission spectrographic determination of rare earth elements in lanthanum, 25:28965
  - Spectrographic determination of metallic impurities in Y, 23:15799
  - Spectrophotometric determination of yttrium or lanthanum in aluminum alloys using the separation of aluminum by oxine extraction, 22:8004
- KANEKO, Kumetaro Secondary ion emission from metal surface in collisions of 30-keV Ar$^+$ ions, 25:55818
  - Target preparation by ion retarding method, 21:17231
- KANEKO, Masao Optical transfer function of scintillation camera, 22:43045
  - Radiological study on Thorotrast liver, 24:44614
- KANEKO, Motozo Triplet spectrum of irradiated polyoxymethylene, 21:15221
- KANEKO, S. Electroproduction of neutral pions through N*(1236), 23:10735
  - Elementary theory of transport phenomena across a strong magnetic field in a plasma, 22:26410
  - Experimental method of radiative correction in coincidence measurement of inelastic electron scattering, 25:49011
  - Measurement of γpΔ(1236), 24:30432
- KANEKO, Shobu Hydromagnetic stability of Bennett pinch, 25:27748
  - van der Waals constants for two He atoms and three He atoms by coupled H—F approximation, 25:9176
  - Viscosity coefficients of a plasma in a strong magnetic field, 25:59029
- KANEKO, T. Magnetic properties of DyAu$_2$ and DyAg$_2$, 25:47664
- KANEKO, Takao Baryon—lepton correspondence and symmetry breaking, 25:36543
  - f/sub -//f/sub + / ratio in K/sub l3/ decay, 24:1561
  - K/sub l3/-decay and scalar coupling in weak interactions of urbaryons, 24:40349
  - Possible scheme for nonleptonic decays of hyperons. II, 21:5372
  - Pseudoscalar coupling in the weak interactions of urbaryons, 23:25583
- KANEKO, Takejiro Magnetic property of compound DyAu, 22:52891
- KANEKO, Takeo Circular-type electron accelerator, 21:29813
  - Circular-type particle accelerator, 21:29815
  - Support for magnet of particle accelerator like betatron, 24:6793
- KANEKO, Tatsunosuke Narrow muon bundles below ground, 25:9632
- KANEKO, Tsuneo Angular correlation of gamma rays following the pick-up direct nuclear reactions, 22:14085
  - Form factor of heavy-ion transfer reaction at low-energy region, 25:5594
- KANEKO, Y. Study of inelastic collisions by drifting ions, 21:3667
- KANEKO, Yoshihiko Adjoint equation in source-sink method, 23:52472
  - Concept of reactivity and related problems, 25:51234 (JAERI-13707)
  - Determination of neutron multiplication. I, 21:44867

Determination of neutron multiplication, 22:3907
Effect of photo-neutron on *β* of pressure tube type deuterium water reactor, 25:51045 (JAERI-13699)
Effect of photo-reactions on the effective yield of delayed neutrons in the pressure tube type heavy water reactor, 25:18118
Fundamental study on thermal reactor physics problems by pulsed neutron technique, 25:51235 (JAERI-13777)
Measurement of anisotropic diffusion coefficients in H_2O—Al slab, 25:23359
Measurement of control rod worths in graphite moderated core, 23:26031 (JAERI-1173)
Measurement of neutron slowing down time in graphite, 21:27508
Measurement of neutron slowing down time in hydrogeneous moderators, 23:19116 (JAERI-1168)
Measurement of neutron slowing down time, 24:13265
Measurement of prompt neutron decay constant in delayed critical state of heavily reflected reactor, 22:1869
Measurement of thermal neutron spectra in H_2O poisoned with Cd and In, 25:51227 (JAERI-13515)
Principle of experimental method to determine migration area in reflected reactor, 25:51228 (JAERI-13711)
Pulsed neutron research in Japan, 1965—70, 25:3927 (JAERI-Memo-4109)
Pulsed neutron source for thermal reactor physics, 22:22538
KANEKO, Yoshihisa Exchange reaction between light ethane and deuterium on tungsten film, 24:29302
KANEKO, Yozaburo Low-energy ion—neutral reactions. I, 23:48742
Multiple ionization of Ar and Mg by electron impact, 24:32647
Total ionization cross section of Mg by electron impact, 24:35210
KANELLAKOPULOS, B. Chlorination reprocessing of fuel elements. III, 23:15954
Electron spin delocalization in organometallic U(IV) compounds, 24:16532
Experimental contribution to the measurement of optical spectra by scattered transmission, 24:44012
Magnetic susceptibility studies of two organometallic Np(IV) complexes, 23:35085
NMR of paramagnetic organometallic actinide complexes. I, 23:4630
Nuclear magnetic resonance shifts of paramagnetic organometallic actinide complexes. II, 23:24154
Oxidation of uranium tetrachloride, 21:4522
Oxidation of uranyl chloride, 22:40088
Proton resonance investigations on paramagnetic metallorganic U(IV) alkoxy compounds, 23:40649
Proton resonance studies in paramagnetic organometallic uranium(IV)—alkoxy-complexes, 24:4262 (RFP-Trans-61)
System uranium dioxide—copper, 23:12403
KANELLAKOPULOS, Basil Investigations on the chlorination processing of fuel elements. II, 21:15980
Ternary oxides of 3-7-valent technetium with alkalies, 22:4071 (ANL-Trans-539)
KANELLAKOS, D. P. Spatial model of F-region ionospheric traveling disutrbance following low-altitude nuclear explosion, 22:15420
KANELLAKOS, Demetri P. Response of ionosphere to acoustic-gravity waves generated by nuclear explosions, 21:43935
KANELLOPOULOS, A. Radiolysis of aqueous chromium and vanadium in their +2 and +3 oxidation states, 22:37792
KANELLOPOULOS, E.-J. Unified nuclear reaction theory, 25:5870
KANE-MAGUIRE, N. Racemization and ^{18}O exchange studies of heterochelate Cr(III) complexes. II, 25:34601
KANEMATSU, Futoshi Copper—Be alloy and its secondary electron emission characteristics, 24:42166
KANEMATSU, K. Effect of high pressure on Curie temperatures of rare-earth intermetallic compounds, 23:8654 (CONF-681020-(Vol.1), pp 137-44)
Magnetic properties of CsCl type compounds of rare earth metals with Cd, 21:39637
Magnetic studies of rare earth—zinc compounds, 23:23265
Magnetism and crystal structure of zirconium compound with Laves structure, 22:15625
KANEMATSU, Kazuo Structural and magnetic properties of system (Zr/sub 1-x/Nb/sub x/) Fe_2, 23:49004
KANEMITSU, Masatsugu Atomic bomb radiation effects on antibody formation, 22:6837
KANEMORI, Yoshihiko Dose buildup factor for ^{60}Co cylindrical source, 22:48143
Dose buildup factor of a ^{60}Co cylindrical source, 23:16053
Experimental studies on gamma-ray dose rates from a ^{60}Co cylindrical source, 21:46893
Gamma-ray dose rates from a ^{60}Co cylindrical source, 23:27677
Gamma-ray leakage through a junction between lead and concrete walls, 23:21543
Gamma-ray leakage through a junction between lead and concrete walls, 25:10296 (NSJ-tr-157)
Gamma-ray leakage through a slit in lead shield. I, 22:7924
Gamma-ray leakage through a slit in concrete shield, 23:12954
Gamma-ray leakage through slit in lead shield. II, 22:53398
Semi-analytical estimation of gamma-ray intensity from a volume source, 21:26075
Spatial distribution of gamma-rays from a cylindrical ^{60}Co source, 21:16959
KANER, E. A. Electromagnetic waves in metals in magnetic fields, 21:18816
Theory of propagation of transverse sound in superconductors, 22:48046
Weak turbulence spectrum and second sound in a plasma, 24:19899

KANESEKI, Isamu Illumination of Mihama nuclar power plant machine No. 1, 25:18052
KANESEKI, N. Internal phenomena in a superconducting coil, 21:31365
KANESTROEM, I. Calculated energies and branching ratios for low-lying states in ^{23}Mg, 25:41212
Calculated level density of ^{24}Na, 21:4248
Coriolis coupling analysis of cross sections from (d,p) and (d,t) reactions, 24:6921
ΔN = 2 coupling between one-particle orbitals in rare-earth nuclei, 25:50812
Isospin and nuclear level density, 22:20702
Positive parity states in ^{167}Er, 25:17797
Rotational band $3/2^-$ [532] in ^{155}Gd, 24:52589
Shell-model calculations with Woods—Saxon wave functions in ^{16}O and ^{40}Ca, 23:32903
KANETA, Ryoichi Effect of telecobalt irradiation on the primary lesion of cervical cancer, 22:45669
KANEV, Vasily Investigation of surface migration of Ta by means of Mueller field ion microscope, 23:46047
KANEVSKAYA, E. A. Energy and angular distribution of muons of energy 3 to 10 TeV, 25:45648
Gamma quantum spectra in energy range from 10^{11} to 10^{13} eV in the upper atmosphere, 23:20735
Interactions of nucleons having the energy of approximately 10^{14} eV, 22:21935
Investigation of nucleon interactions with greater than or equal to 10^{14} eV energies, 22:2821
Method for electron—photon cascade energy measurements, 25:428
Some singularities in the production of π^0 mesons in nucleon interactions at energies exceeding 10^{13}eV, 22:44323
KANEVSKII, E. A. Kinetics of uranium trioxide. I, 21:17636
KANEVSKII, Yu. P. Cosmogenic ^{22}Na in surface waters of dry land, 25:57568
KANG, Bok Soon Retinal damage by light in rats, 21:14736
KANG, C. L. Control of beam spill at PPA, 21:33804 (PPAD-620-E)
P.P.A. beam measurement, 22:32364 (PPAD-640-E)
Princeton—Pennsylvania beam measurement, 22:46675
KANG, C. M. Finite element methods for the neutron diffusion equations, 25:41164
Piecewise polynomial approximations for the point kinetics equations, 25:41603
KANG, Changmu Thermal-neutron-wave propagation in a reflected assembly, 21:38185
KANG, Guprem S. Toluidine blue analogs as parathyroid scanning agents, 23:35801
KANG, H. D. One phonon excitation in titanium hydride by low energy neutrons, 25:3536
KANG, H. Y. Computer solution of gel-crosslink relations, 21:14235 (COO-1088-25)
Radiation chemistry of polyethylene. IX, 21:21994
Temperature coefficient of crosslinking and other effects in the irradiation of polyethylene, 21:14236 (COO-1088-26)
Theory of gel—dose curves for polymers undergoing simultaneous crosslinking and scission, 21:30450
KANG, Hong Yol Gas phase radiolysis of CH_3I—n-C_5H_{11}—I, mixtures, 21:24043
KANG, I. -J. Quantization of Coulomb wave vectors and application to ionization, 24:21599
KANG, I.-J. Importance of exchange scattering in double ionization of He atoms by electron impact, 22:31630
KANG, I.-S. Coulomb wave approximation applied to the electron impact excitation and ionization of atoms, 22:9075
KANG, Ik-ju Angular dependence of 2^3S excitation of He by high-energy electron impact, 22:38795
Asymptotic form of the total wave function for electron-impact excitation of hydrogen atoms, 23:14615
Branching ratio of para- and ortho-helium in the electron impact excitation from the ground singlet state, 22:7155
Electron-impact excitation of helium atoms to metastable states, 25:55843
Ochkur's method for excitation of hydrogen atoms by electron impact, 22:24033
Solar coronal temperature, 22:41218
Theory of electron impact excitation and ionization of atoms and ions, 22:5084
Theory of ionization of atomic hydrogen by electron impact and threshold law, 21:37171
KANG, Ik-Ju. Approximations in the theory of two-quantum photo-detachment of negative ions, 22:2791
Perturbation theory at high energy, 22:3511
KANG, In Ku Study of learning in adaptive systems, 21:25757 (SC-CR-67-2547)
KANG, J. S. Model of low-energy pion—pion scattering, 25:38738
KANG, Jae Ho Fuel cycle cost calculation, 24:36042
KANG, K. Compositeness criteria for particles with identical quantum numbers, 21:27454
Elementary and composite particles, 24:1638
Existence of a kappa-meson from the spectral-function sum rules, 22:46417
Model for the s-wave pion—pion phase shifts, 25:36484
Pion-electron scattering, 22:46311 (NYO-2262-TA-193)
Remarks on the compositeness conditions for particles with identical quantum numbers, 21:42283
Spectral-function sum rules and the sigma-term, 22:35057
Unitarity corrections to current-algebra calculations on π—π scattering lengths, 21:37798
Unitarized Veneziano model for pion—pion scattering, 24:26424
KANG, Kyungsik Algebra of currents, divergence of strangeness-changing vector currents, unsubtracted dispersion relations, and the K/sub l3/ form factors, 22:48290
Broken chiral symmetry and the Veneziano model, 23:51923 (NYO-2262-TA-210)
Broken chiral symmetry and Veneziano model, 24:1573
Compositeness conditions, 23:15081

Consistency of hard pion theorems in K/sub l3/ decays, 25:14633 (NYO-2262-TA-233)
Consistency of hard-pion theorems in K/sub l3/ decays, 25:33653
Decay widths of the phi meson from algebra of currents, 21:42331
Dual amplitude analysis of two-particle productions, 25:40959 (NYO-2262-TA-244)
Dual-amplitude analysis of two-particle productions, 25:50088
Duality and single-particle production, 25:53156
Elementary and composite particles in field theory and S-matrix, 24:5259 (NYO-2262-TA-166(Rev.))
Field-current identities, algebra of gauge fields, and spectral-function sum rules, 24:8574
Field-current identities, broken symmetries, current-mixing model, and algebra of gauge fields, 23:18984
Low-energy parameters for meson—meson scattering from Veneziano model, 24:5290 (NYO-2262-TA-211)
Okubo's second-class currents in K/sub l2/ and K/sub l3/ decays, 25:19965 (NYO-2262-TA-236)
Okubo's second-class currents in K/sub l2/ and K/sub l3/ decays, 25:38720
Partial-wave scattering amplitude, 23:15291
Partial-wave scattering amplitude: zeros, substractions, and sign of scattering lengths, 22:1510 (NYO-2262-TA-163)
Particles with identical quantum numbers in dispersion theory and field theory, 21:9846
Reggeon amplitude and duality sum rule, 25:53378
S-matrix analysis of K/sub l3/ form factors: zero of Kπ amplitude and parameter xi, 24:21968 (NYO-2262-TA-216)
S-matrix analysis of K/sub l3/ form factors, 24:40247
S-matrix perturbation method, 23:19009
S-wave $\pi\pi$ scattering and the K_1°—K_2° mass difference, 21:21185
Spectral-function sum rules with symmetry breaking, 22:46487
Study of the 1^+ B meson as a π ω bound state, 25:33691 (NYO-2262-TA-238)
Triple Regge limits and duality sum rule, 25:43570 (NYO-2262-TA-247)
Unitarity corrections to current-algebra calculations of the s-wave pion—pion scattering lengths, 22:11659
Zeros of the partial-wave scattering amplitude, 21:9866
KANG, Man Sik Differential counting of tritium and ^{14}C in urine and blood serum by liquid scintillation method, 21:12337
Radioactivity of aquatic organisms. I, 21:12806
Radiolysis of aqueous solutions of diglycine. I, 21:12448
Survey of radioactive fallout, 21:12532
KANG, S. Theory of Doppler broadening of neutron resonances, 23:5766
KANG, Shin Koo Changes of salivary gland function after ^{60}Co irradiation, 25:27061
KANG, Woong Ki Use of Korean clay minerals in treatment of radioactive liquid wastes, 23:43486 (AERI-31)
KANG, Woong Ki. Zirconia production, 23:46115
KANG, Y. W. Dc horn for very high energy spark-chamber neutrino experiments, 24:52307 (TID-25473(Vol.1), pp 389-95)
Design for a muon shield in the neutrino beam using magnetized iron, 24:52312 (TID-25473(Vol.1), pp 451-63)
K^*(890) and K^*(1420) production in K^-p interactions at 4.57 GeV/c, 23:14972
Mesonic decays of spallation hyperfragments and Λ-N potential-well depth, 21:40152
Muon shielding for a 500-GeV neutrino facility, 25:50456
Neutrino and anti-neutrino flux using the empirical pion and kaon spectra, 24:51925 (TID-25473(Vol.1), pp 417-20)
Neutrino beam design, 24:52290 (TID-25473(Vol.1), pp 217-49)
Observation of the p$\pi\pi$ decay mode of the N/sub 1/2/*(1400) resonance in pp interactions at 22 GeV/c, 23:1597
KANG, Yung Sun Effects of x irradiation on HeLa cells, 25:42295
Genetic studies of Drosophila population. I, 22:47514
Radiosensitivity of chromosomes in cultured leukemic cells, 23:4907
Stage radiosensitivity and DNA synthesis of chromosomes, 23:20115
Studies of radiosensitivity of cultured normal and cancer cells. I, 22:36247
KANG, Yung-Ho Personnel neutron dosimeter for nuclear accident, 22:19168
Variation of tritium and ^{14}C concentrations in environment, 23:13880
KANGAS, Clifford V. Homogenization of uranium-base niobium alloys, 25:2732 (RFP-1582)
KANGAS, J. Atmospheric effects of cosmic ray μ-meson intensity, 22:47849
Auroral-zone x rays and radio-wave absorption, 24:26068
Auroral-zone x-ray measurements in Finland in summer 1968, 25:24965
Balloon measurements of solar protons in northern Scandinavia on July 7, 1966, 23:22810
Correlation studies between auroral-zone x rays and radio wave absorption, 24:51522
Cosmic ray μ-meson intensity during rapid pressure variations, 22:47846
Electron precipitation associated with sudden commencement of a geomagnetic storm, 25:9298
Fast pulsations of auroral-zone x-ray intensity, 22:34376
Proton-event of July 7, 1966, 22:52345
Relationship between auroral-zone x-ray pulsations and development of the auroral electrojet, 23:27464
KANGILASKI, M. Correlation of radiation effects on mechanical properties, 23:22586 (BNWL-790, pp 4.10-11)

Correlation of radiation effects on mechanical properties, 23:24947 (BNWL-870, pp 4.6-8)
Correlation of tensile and fatigue properties of irradiated 347 stainless steel at room temperature, 21:36890
Effect of irradiation on the elevated-temperature fracture of selected face-centered cubic alloys, 23:36154
Effect of irradiation on the elevated temperature fracture of selected face-centered cubic alloys, 24:46761
Effect of neutron irradiation on mechanical properties of AISI Type 347 stainless steel, 22:19602
Effect of radiation on the mechanical properties of cladding materials, 23:22585 (BNWL-790, pp 4.1-6)
Effect of radiation on the mechanical properties of cladding materials, 23:24946 (BNWL-870, pp 4.1-6)
Effects of irradiation on the mechanical properties of cladding materials, 22:31415 (BNWL-532, pp 4.1-5)
Effects of neutron radiation on structural materials, 22:36511 (N-68-16876)
High-exposure, thermal reactor stainless-steel irradiation studies, 24:32482
Influence of irradiation temperature on the tensile properties of stainless steel, 25:42912
Irradiation-induced embrittlement in stainless steel at elevated temperature, 22:45792 (BNWL-SA-1996)
Mechanical properties of shock strengthened austenitic stainless steel, 25:49405 (BMI-1909)
Metallurgy of common cladding and structural materials, 24:46720
Metallurgy of common cladding materials, 24:17275
Properties of irradiated type 347 stainless steel, 22:49775
Radiation effects in structural materials, 24:17333
Radiation effects in structural materials, 24:46758
Relationship of microstructure to embrittlement in irradiated stainless steel at elevated temperatures, 25:22132
Selected metallurgical aspects of cladding and structural materials, 21:1901
Simulation of radiation-induced mechanical property changes, 24:32428
Stress rupture and fatigue properties of irradiated type-347 stainless steel at 650°C, 24:6236
Thermal-neutron-induced helium generation from nickel, 25:40085

KANGILASKI, Mihkel Cladding materials for nuclear reactor fuels, 22:27492
  Effects of hydride precipitation of the tensile properties of irradiated Zircaloy-2. Final report, 25:27198 (BMI-X-10276)
  Effects of large fast fluences on mechanical properties of type 347 stainless steel and aluminum, 22:23842 (BMI-1834)
  Minimizing swelling and embrittlement of fast-reactor fuel claddings, 25:54109
KANGOS, James D. Systems analysis of aquatic thermal pollution and its implications. II, 24:44098 (TRC-7743-341-b)
KANI, Jiro Fukushima Nuclear Power Station Unit No. II, Tokyo Electric Power Co, 23:15581
KANI, Ziro Unit No. 3 of Fukushima Nuclear Power Station, Tokyo Electric Power Co, 25:23109
KANIA, Henry J. Acute gamma irradiation experiments with the lizard Uta stansburiana, 21:32785
KANIEWSKA, Katarzyna Stability of standard solutions of certain radionuclides, 25:46538
KANIEWSKI, Jacek Solid-state error detector for nuclear reactor automation, 21:8653
KANIJ, J. B. W. KEMA sol-gel process, 25:6892 (DP-Report-430)
  Sol—gel development at KEMA, 23:3131
  Sol-gel fuel studies in the Netherlands, 23:30131
  Sol-gel process, 22:8056
  Sol-gel processes for the preparation of spherical thorium-containing fuel particles, 22:23856 (CONF-660524-, pp 377-90)
  U(VI)-process for microsphere production, 24:30015 (CONF-700502-, pp 253-63)
KANIJ, Johannes B. W. Method of preparing a stable mixed sol of hexavalent uranium and tetravalent thorium by peptization, 25:42945
KANISHCHEV, P. A. Radiation protection in dental radiography, 23:48073
KANITKAR, J. V. Digital level telemeter, 21:43313
KANITKAR, P. L. Charge transfer in the Joshi effect under monochromatic x and γ rays in an ozonizer discharge, 21:24174
  Effect of external radiations on leakage time constant in ozonizer discharge and associated Joshi effect, 22:24318
KANITZ, P. J. F. Permeation of gases through modified polymer films. I, 23:37985
KANITZ, Peter J. F. Permeation of gases through modified polymer films. II, 25:13039
  Permeation of gases through modified polymer films. IV. Gas permeability and separation characteristics of graft copolymers of polyethylene and Teflon FEP films, 25:23598
KANIUK, G. Modern formalism in tensor calculus, 25:50028 (CONF-690732, pp 5.1-18)
  New interpretation of interval in relativity with applications in astronomy, 25:49688 (CONF-690732, pp 7.1-16)
KANKA, J. Separation of ruthenium and nitrosylruthenium radiocolloid, 21:30506 (UJV-1697)
  Sorption of radioruthenium in colloidal and ionic state on ferrous hydroxide, 21:30507 (UJV-1733)
  Sorption of radioruthenium in colloidal and ionic state on ferrous hydroxide formed by electrodissolution of iron anode, 22:27720
  Study and separation of Ru and nitrosylruthenium radiocolloid by the method of ultrafiltration, centrifugation, and adsorption, 21:43037
KANKAANPERA, Alpo Determination of the contributions of concurrent acetal and vinyl ether hydrolyses on the basis of the different solvent isotope effects in these reactions, 24:2177
KANKAANPERAE, Alpo Protolytic cleavage of vinyl ethers, 21:10349
KANKANYAN, S. A. Bubble chamber (300-liter) PK-300, 23:33526
KANKELEIT, E. Beta spectrometer (4π) using solid state detectors, 23:17790
  Beta spectrum of ^{207}Tl, 21:1088
  Experiments on parity admixture in nuclear states, 22:16026
  Granular Moessbuaer absorbers, 21:19301
  Hyperfine interaction and isomeric shift in ^{195}Pt, 21:23524
  Hyperfine interactions and lifetimes of low-energy states in ^{182}W and ^{183}W, 21:23525
  Isomer shift and after effect, 22:46835
  Isotopic effect of μ capture rates in ^{151}Eu—^{153}Eu, 24:52598
  Measurement of magnetic hyperfine splitting of nuclear γ rays in muonic thallium, 22:50622
  Measurements of excitation probabilities and isomer shifts of nuclear levels in μ-atoms, 24:52600
  Moessbauer effect of ^{125}Te in simple-cubic and amorphous tellurium-base alloys, 21:44176
  Muonic isomer shift in ^{181}Ta, 22:46776
  Muonic isomer shift measurements in Sm, W, and Os isotopes and their interpretation in terms of changes in nuclear charge distribution, 22:50621
  New circular polarization analyzer on the parity mixing in ^{181}Ta, 24:52606
  Nuclear γ rays and μ X rays in muonic ^{209}Bi, 24:52597
KANKELEIT, Egbert Apparatus for recording the absorption of gamma rays, 23:31544
KANKI, T. Unit-spacing structure of trajectories for πN resonances, 25:5379
KANKI, Takeshi MacDowell symmetry, 23:10863
  Meson (rho) nucleon scattering as inelastic channel of P_{11} pion—nucleon scattering, 21:46545
  Reflection symmetry of conspiring Fermion trajectories, 22:53036
  Short-range interaction between pion and nucleon, 24:47455
  Three-channel model for P_{11} πN scattering, 25:12221
  Unsubtracted dispersion relations in weak interactions and composite particles, 22:7478 (OU-LNS-67-9)
  Unsubtracted dispersion relations in weak interactions and composite particles, 22:17922
  Variational principle in matrix ND^{-1} formalism, 24:8753
KANKOWSKY, R. Elastic scattering of polarized protons on tritons between 4 and 12 MeV, 25:53550
  Program to calculate complex phase shifts and mixing parameters of elastic scattering of spin $^1/_2$ particles on spin $^1/_2$ targets, 25:50084
  Stripping reactions on nuclei in the 1p-shell initiated by vector polarized deuterons, 25:53657
  Stripping reactions on nuclei of the 1p shell initiated by vector-polarized deuterons, 24:45751
KANKURA, Takako Effect of ionizing radiation on passive transport of Na ion, 23:35639
  Thrombocytopoietic system in radiation induced hematopoietic death, 24:12287
KANNAN, Kay L. System for biomedical data management (DATASYS), 21:14131 (ORNL-TM-1693(Pt.4))
KANNAN, V. C. Deformation substructure in beryllium after prism slip, 25:37967
KANNANGARA, M. L. T. Nighttime equatorial Pi 2 micropulsations, 23:12685
KANNAPPAN, A. Grain growth during sintering of W—Cu—Ni alloys, 24:34907
KANNE, H. Uniform description of core and sheath of a plasma column, 21:20967
KANNE, W. R. Oyster Creek nuclear boiler design, 21:10177
  Physics tests at the Dresden Nuclear Power Station, 21:27756
KANNELLOPOULOS, E. J. Neutron exchange in ^{3}He—^{4}He elastic scattering, 25:38866
KANNELOPOULOS, Th. Electromagnetic structure of the pion, 22:24600
KANNENBERG, L. Dirac isotopic current operator in Yang—Mills theory, 22:48354
  Stress-tensor operator for fermion field interacting with classical gravitational field, 22:7555
KANNENBERG, Lloyd C. $K_2^0 \to 2\pi 2\gamma$ by current algebra, 25:9738
KANNENBERG, S. Detection of 160 MeV protons by a Li-drifted Ge counter in a side-entry orientation, 21:17856
KANNENBERG, S. L. Quasi-elastic scattering of 160-MeV protons by alpha clusters in light nuclei. I. Carbon, 25:3581
KANNENBERG, Susan L. $K_2^0 \to 2\pi 2\gamma$ by current algebra, 25:9738
KANNER, Lee Repair deficiency in a bacterial mutant defective in DNA polymerase, 24:34287
KANNER, Lee C. Repair replication of DNA in vivo, 23:48270
KANNEWURF, C. R. Electrical conductivity and superconductivity in γ phase of Tl—Te system, 22:36872
KANNINEN, M. F. PROTEUS: computer code to extend burnup data from point burnup code, 22:53455 (BNWL-850)
KANNO, Akira Layer-radiography with a betatron, 23:33359
  Nondestructive testing of brazed joints, 21:41171
KANNO, H. Isotope effects in countercurrent electromigration in molten metal halides, 25:44361
KANNO, Hitoshi Non-ideal behavior in countercurrent electromigration of binary LiCl + KCl mixture, 24:46330
KANNO, Iwao Cancer of the lung, and its radiation therapy, 23:48251
  Effects of x-irradiation on ribotide [ribonucleotide] metabolism in guinea pigs, 21:6447
  Postoperative irradiation in bronchogenic carcinoma, 24:23288
  Pulmonary reactions to radiation, 24:23391
  Radioprotection by bee venom, 25:16232
KANNO, K. Direct method of measurement of charge per pulse in organic vapor-quenched G—M counters, 21:12658
  Method for determining the optimum anode—cathode geometry of irregularly shaped counters, 24:2475
KANNO, Keni-chi Optical and EPR studies on irradiated $CdCl_2$: Ag, 23:31376
KANNO, M. High temperature reaction between uranium monosulfide and zirconium, 25:29965
  New compound: UNF, 23:17409
KANNO, Masayoshi Direct conversion of uranium carbide to UCl_4 by gaseous reagents, 24:13866
  Fabrication of uranium monosulfide, 24:23514
  High temperature oxidation properties of Nb—Al and Nb—Be alloys in the temperature range 485° to 1035°, 25:22022
  Oxidation behavior of uranium monosulfide, 23:22624
  Oxidation of thorium nitrides, 25:16560
  Preparation of U disulfide from U chloride, 22:4103
  Preparation of uranium carbide from uranium chloride, 21:8279
  Preparation of uranium carbide from uranium chloride, 23:11502
  Preparation of uranium carbide from uranium tetrafluoride, 23:12404
  Preparation of uranium nitrides from uranium tetrachloride, 22:19612
  Preparation of uranium nitrides from uranium tetrafluoride, 23:8289
  Preparation of US from UF_4, 24:20779
KANNO, Mitsuko Moessbauer spectroscopic studies on IT(IC) decay of /sup 119m/Sn in $K_4Sn_2(C_2O_4)_7$,$4H_2O$, 23:36802
KANNO, Motohiro Reversion phenomena in Cu—Zr—Cr alloys, 23:27065
  Some properties of Cu—Cr—Hf alloys, 23:24902
KANNO, Shokichi New approach to the many-boson problem, 22:1395
  Quasi-linear canonical transformation for many-body problem. II, 23:46567
KANNO, T. Extraction of uranyl thenoyltrifluoroacetonate into solvents, 25:54751
KANNO, Takuji Determination of Ti, Zr, and Hf by spark-in-spray spectrometry, 25:39423
  Distribution of TTA and its scandium chelate into series of ester solvents, 23:203
  Distribution of UO_2—TTA chelate, 24:16654
  Distribution of uranyl TTA chelate, 24:16658
  Solubility of TTA—uranyl chelate, 25:26340
KANNOWADE, H. Accelerating system and the high-frequency generator of the Juelich relativistic isochronous cyclotron, 21:17222
KANNOWADE, H. H. Design of the new rf-system for 600 MeV synchrocyclotron at CERN, 25:50352
KANO, E. Actinomycin D and radiation fractionation studies in asynchronous and synchronized Chinese hamster cells, 25:11097
  Drug-radiation damage interaction and its relevance to radiosensitization in mammalian cells, 25:4558
  Fractionation response of G_1 Chinese hamster cells in exponential growth, 24:817 (BNL-13979)
  Radiation-induced age-response changes in Chinese-hamster cells, 25:52183
KANO, Eiichi Growth and life-span of mice irradiated at the low dose rate, 22:45692
KANO, L. M. Resistive phenomena in the intermediate state, 25:43299
KANO, T. Confirmation of abnormally high electron density in a transient mercury-vapour plasma by laser-interferometer measurements, 23:51613
  High-resolution laser interferometer for measurement of electron density in transient plasma, 23:51612
KANO, Takanori Neutron monochromator, 25:48006
KANOFSKY, A. Analysis of 17 898 tau$^+$ decays at rest, 24:32960
  Analysis of 17,898 tau$^+$ meson decays at rest, 24:20065 (AD-697966)
  Chemical shifts of μ^+, 24:45008
  Chemical shifts of the μ^+, 25:2899
  Cross section for the reaction $\pi^- + p \to n +$ neutral particles for pions in the momentum range 0.78 to 5.3 GeV/c, 21:33612
  Ionization measurements in a helium streamer chamber, 23:31551
  Positive muon magnetic moment, 24:51897
  Proton—proton differential cross section from 600 to 1800 MeV/c, 24:5237 (PPAR-11)
  Proton—proton differential cross sections from 600 to 1800 MeV/c, 25:14543
  Small value for eta $\pi^0\gamma\gamma/(\pi^0\gamma\gamma + 3\pi^0)$ branching ratio, 24:40232
  Violation of the $\Delta I = {}^1/_2$ rule in $K^+ \to 3\pi$ decay, 23:49037
KANOFSKY, A. S. Magnetic moment of the positve muon, 24:30430
KANOFSKY, Alvin Sheldon Neutral decays of the eta meson, 21:17027
KANOMATA, Ichiro Calorimetric heats of chemisorption of nitrogen on tungsten at higher temperatures, 25:49427
  Calorimetric studies on chemisorption of nitrogen on tantalum, 25:29843
  Low-energy ion—neutral reactions. I, 23:48742
  Multiple ionization of Ar and Mg by electron impact, 24:32647
  Total ionization cross section of Mg by electron impact, 24:35210
KANONOV, B. A. Energy distribution of electrons after multiple scattering in thin metallic films, 24:12630
KANSAL, I. D. Spherically symmetric space-time of class one and electromagnetism, 22:41865
KANSARA, M. Improvements in the method of measuring the density of soil using nuclear back-scatter, 22:16923
KANSARA, Mohan Theory of the nuclear densimeter, 21:34332

KANSHEPOLSKY, Jose Rupture of the aorta due to radiation injury, 22:51970
KANSTEIN, L. Berkeley synchrocyclotron improvement program, 24:28650 (UCRL-19447)
KANT, A. The residual activity method for determining concentration distribution, 21:33528
KANT, Michel Determination of the basic parameters of an induction magnetohydrodynamic generator, 21:31283
  Diffusion of slip magnetic field in linear generator, 24:28144
  Laminar flow of incompressible conducting fluid in slightly divergent MHD channel, 25:35943
  Optimization of energy exchanges between an unidirectional magnetic field and a thin conducting layer with finite dimensions, 25:35942
  Preliminary studies on a sliding-field liquid-vein MHD generator, 22:9136
KANTAKE, Naoshi Removal of radioactive Sr deposited in the bone by means of parathyroid hormone and a chelating agent, 21:24363
KANTAN, S. K. Fabrication of uranium carbide, 23:48518
  Microstructure of sintered U oxide pellets, 24:34962
KANTARDJIEV, V. Immunological characteristics of silver-labeled proteins, 21:22278
KANTARIZIS, E. Measurement of thickness of a sporadic-E layer, 25:58881
KANTELE, J Decay of ^{119}Te isomers and structure of ^{119}Sb, 22:35327
KANTELE, J. Decay of ^{119}Te isomers and structure of ^{119}Sb, 24:18422
  Decay of ^{200}Tl, 25:31387
  Directional correlations of some γ-ray cascades in ^{200}Hg, 25:12527 (NP-18613)
  Directional correlations of some γ-ray cascades in ^{200}Hg, 25:20400
  Disintegration energies of ^{174}Lu isomers, 22:5847
  Elastic scattering of protons at threshold for quasi-elastic (p,n) process, 21:40407
  Evidence for j-forbidden isomeric transition in ^{208}Bi, 22:42045
  Experimental evidence for particle-vibration coupling in ^{209}Pb, 22:5861
  Ge(Li)—Ge(Li) sum-peak spectrometer, 24:44293 (NP-18356)
  Ge(Li)—Ge(Li) sum-peak spectrometer, 24:50579
  High-efficiency two-crystal Ge(Li)—NaI(Tl) pair spectrometers, 22:10585
  Isomeric states listed according to increasing half-life, 22:48464
  Levels in ^{208}Pb populated in the decay of ^{208}Tl, 23:7301
  Levels of ^{118}Sn populated in decay of ^{118}In and ^{118}Sb isomers, 24:11006
  New isomeric state in ^{118}In, 23:19310
  Particle-vibration coupling in ^{209}Pb, 23:25931
  Reinvestigation of the decay of ^{200}Tl, 25:12528 (NP-18647)
  Semiconductor detector telescope electron spectrometer, 25:10852 (NP-18617)
  Semiconductor detector telescope electron spectrometer, 25:18760
  Simple summing Compton Ge(Li) spectrometer, 22:357
  Structure of 1518-keV isomeric state in ^{174}Yb, 21:42660
  Table of cross sections of some reactions induced by 14 to 15 MeV neutrons, 25:12353 (NP-18616)
  Use of the integral-bias summing coincidence spectrometer in directional correlation measurements, 23:681
KANTER, B. Z. Decrease of the migration of hydrocarbons in an ultrahigh vacuum system by means of a passive gas, 25:29323
KANTER, H. Current noise in Josephson point contacts, 24:45202
  Electron mean free path near 2 keV in Al, 24:25952
  Noise voltage in Josephson junctions, 24:37403
  Response of highly damped Josephson junctions to external, low-frequency noise currents, 25:11822
  Response of superconducting point contacts to high-frequency radiation, 25:43297
  Shot noise in Josephson point contacts, 24:19848
  Slow-electron-beam attenuation by gold films, 21:11403
KANTER, H.-J. Prog. rpt. on measurement of airborne radioactivity and its meteorological application, annual, 4/69—3/70, 25:34745 (NYO-4061-2)
KANTER, Manuel A. Argonne safeguards training program: a three year history, 25:48784 (CONF-710617-11)
  Safeguards training program at Argonne, 24:443
KANTER, Michael Low level tritium measuring system, 25:15886 (NP-18661)
KANTIMATI, B. Field-gradient calculations in some metals of hexagonal close-packed structure, 25:36351
KANTIN, A. V. Use of radioactive phosphorus in cancer metastases in bones and myeloma, 25:44862
KANTLEHNER, W. H/D exchange in N,N-dimethylformamide acetals and orthoformic esters, 22:4077
KANTOLA, Sirkka Laser-induced effects on tooth structure. III, 24:27712
KANTOR, Frederick W. X-ray optics and x-ray astronomy, 23:26539
KANTOR, George J. Effect of ultraviolet light on division and deoxyribonucleic acid synthesis in Haemophilus influenzae, 24:41763
  Recovery of division ability in ultraviolet-irradiated Escherichia coli, 22:15123
  Ultraviolet radiation studies of filamentous E. coli B, 21:3457
KANTOR, Gideon Acoustic waves in the lower ionosphere, 22:47906
KANTOR, I. Probe method for recording ions produced by laser radiation in post-luminescence discharge plasma, 25:30477 (NP-18765)
KANTOR, I. J. Low-latitude ionospheric electron content measurements during half a solar cycle, 23:51471
KANTOR, J. Three-photon ionization of a He atom in excited 2S state, 25:11734
KANTOR, M. E. Engineering tests during initial operation of Peach Bottom HTGR, 22:30148 (GA-8040)
  Engineering tests during initial operation of Peach Bottom HTGR, 22:32809
  Operating experience at Peach Bottom Atomic Power Station, 23:9093 (GA-9047)
  Peach Bottom control performance and dynamic behavior, 23:9095 (GAMD-7900)
  Peach Bottom initial power plant performance, 22:42188 (GAMD-7903)
  Postirradiation of Peach Bottom fuel elements, 23:23825 (GAMD-8743)
  Recent operating experience at the Peach Bottom Atomic Power Station, 23:4150
KANTOR, M. M. Effect of Hf on structure of Mo—C alloys, 23:36135
  Examination of welded joints of Mo alloy TZM-2A, 25:42874
  Hot brittleness of molybdenum alloys, 24:27759
  Nonmetallic inclusions in molybdenum as function of means of melting, 23:3087
  Origin of carbide inclusions in molybdenum and its carbon alloys, 24:42260
KANTOR, Me. E. Engineering tests during the initial operation of the Peach Bottom HTGR, 21:38503
KANTOR, P. B. Chiral symmetry and the pion mass, 22:39453
  Eikonal picture of high-energy interactions, 24:26531
  Enthalpy and thermal capacity of Nb and Zr carbides at 500 to 2400°K, 21:36925
  Polarization in K-nucleon scattering, 24:3665
  Possible difficulty with "Eikonal Picture" of high energy interactions, 24:20245 (COO-1573-66)
KANTOR, Paul B. Extension of the Riemann—Lebesgue lemma, 25:1646
  Internal symmetry cannot be concealed, 24:6734 (COO-1573-64)
  Internal symmetry cannot be concealed, 24:35671
  Self-conjugate bosons, internal symmetry, and CPT invariance, 21:37869
KANTOR, S. A. State and perspectives of development of neutron pulse technique of well investigation, 25:51610 (A/CONF.49/P-436)
KANTOR, T. Spectrochemical analysis of hard metals by a rotating disc solution technique, 25:28944
KANTOR, Wallace Speed of gamma rays emitted by high speed particles, 25:50106
KANTOREK, P. Theory of microwave detection by a discharge, 22:3090
KANTOROVA, V. I. Change in the volumes of the nucleus and cytoplasm of Purkinje's cells under the influence of local x ray irradiation of the cerebellum, 21:6664
  Raising the radiosensitivity of the nervous system with ferment poisons, 21:32762
KANTOROVICH, A. D/F ratio, N*(1400) production and representation mixing in the algebra of vertex strengths, 22:48296
  Modified vector dominance in the algebra of vertex strengths, 23:49095
  Representation mixing in the algebra of vertex strengths, 23:46782
KANTOROVICH, Aharon Mass splitting dominated by tensor-meson trajectories, 24:37720
KANTOROVICH, E. N. Inhibiting effect of actinomycin D and x-ray irradiation on RNA synthesis induced by influenza virus, 23:31658
KANTOWSKI, R. Another interpretation of the optical scalars, 22:35178
  Luminosity—redshift relations of homogeneous Friedmann models, 23:14580
KANTOWSKI, Ronald Coma Cluster as a spherical inhomogeneity in relativistic dust, 23:20655
KANTROWITZ, Arthur MHD characteristics and shock waves, 21:9392
  Shock tube and plasma dynamics, 21:15094
KANTSEDAL, V. P. Apparatus for the production and investigation of high-pressure heavy-current long arcs, 25:3112
  Dense plasma pulsed arcs at high pressure. I, 24:26216
  Pulsed arcs in argon and helium at microwave frequencies, 24:47261
  Pulsed argon arcs at pressures up to 1000 atm, 21:35197
  Studies of dense plasma in high-pressure pulsed arcs. II, 24:17908
KANTSEROV, V. A. Scanning of the spark chamber by means of a vidicon, 22:36105
  Use of slow-scan television system in reading out spark chamber data, 21:19921
KANTSERYAVICHYUS, A. Calculation of the atoms with equivalent electrons, 23:18417
  Radial correlation in atoms, 23:48752
KANTSERYAVICHYUS, A. Yu. Improvement of the calculations of the atoms with outer 2p shells, 25:24927
KANTZ, A. D. Megarad dose response of passive dosimetric materials, 23:14045 (EGG-1183-2166)
KANUNNIKOV, V. N. Acceleration of electrons in circular phasotron, 21:9880
  Analytic representation of the magnetic field of a sector cyclotron, 24:13215 (CERN-Trans-69-20)
  Electron ring phasotron, 21:40320
  FIAN electron circular synchrocyclotron. I, 22:32384
  FIAN electron circular synchrocyclotron. VII, 22:32409
  FIAN electron circular synchrocyclotron. X, 22:32406
  FIAN electron circular synchrocyclotron. XI, 22:32405
  FIAN electron circular synchrocyclotron. III, 22:32412
  FIAN electron circular synchrocyclotron. V, 22:32414
  FIAN electron circular synchrocyclotron. IV, 22:32411
  Machine experiments on ring phasotron of Lebedev Physical Institute, 22:32303 (CEAL-2000, pp 419-22)
  Spectrometric isochronous cyclotron, 25:31123
  Startup of symmetric ring phasotron, 21:2561
KANUNOV, M. A. Pulse gas-discharge commutating device with radioactive stabilization of the breakdown potential, 22:38162
KANWAL, R. P. Sound waves in relativistic magnetohydrodynamics, 21:3737
KANWALL, R. P. Boundary-value problems in magnetohydrodynamics, 25:11770
KANYO, Sandor Electromagnetic radiation of the Earth and Universe, 23:30286
KANZAKI, Grace Effect of Xe on tritiated water flux across gut, 23:24738
KANZAKI, Hiroshi Excitation-induced infrared optical absorption in silver and alkali halides, 24:3446 (ISSP-A-382)
KANZAKI, Tadao Determination of abundance ratio of copper isotopes, 21:12344
  Fundamental studies on the ion exchange separation of isotopes. V, 25:39569 (ORNL-tr-2507)
  Measurement of abundance ratio of Li, U, and Cu isotopes, 22:4016
  Method for analyzing chromatographic isotope separation data, 23:40843
  Method for analyzing chromatographic isotope separation data, 24:29378
  Separation of copper isotopes, 23:9527
  Separation of copper isotopes by electromigration in a cation-exchange membrane, 22:42824
  Separation of copper isotopes by ion-exchange chromatography, 25:32052
KANZAWA, Atsushi Effect of magnetic field on probe measurements in atmospheric pressure plasma, 24:3310
  Measurements of viscosity and thermal conductivity of a partially ionized argon plasma, 21:31409
  Measurements of viscosity and thermal conductivity of a partially ionized argon plasma, 21:37437
  Studies on the thermal equilibrium of a plasma jet, 22:5358
KANZAWA, Hiroshi Performance of clinical linear accelerator, 25:59661
KAO, C. Y. New kind of radiation analyzer, 22:28128
KAO, Chen-feng Polarography of U(VI) chelate of trans-1,2,-diaminocyclohexane-N,N,N',N'-tetraacetic acid, 25:31941
KAO, Chun-ning S-wave π—N scattering, 25:47878
KAO, Ellen Ih-liang Monopole sum rule and the electroexcitation of the first excited state in ^{16}O, 24:49717
KAO, H. S. Probe constant for in-situ determination of thermal conductivities of soils, 21:43168
KAO, H. W. Self-consistent particle energies and three-body clusters in nuclear matter calculations, 24:43528
KAO, Hsiao-wen Particle spectrum in nuclear matter calculations, 25:15187
KAO, Hui Autoradiographic research on incorporation of $Na_2{}^{35}SO_4$ in regenerating limb of axolotl after x-ray irradiation, 21:6429
KAO, K. C. Effects of proton radiation on capacitance/voltage characteristics of m.o.s. capacitors, 25:37702
  Electric conduction in float-zone silicon after prolonged gamma irradiation, 23:24497
KAO, Kuo-ching Radiation copolymerization of tetrafluoroethylene and hexafluoropropylene, 22:42736
KAO, S. K. Prog. rpt. on atmospheric turbulence and diffusion, 5—12/67, 22:18660 (COO-1585-3)
KAO, S.-K. Large-scale dispersion of clusters of particles in various flow patterns, 24:31503
  Model for diffusion of radioactive debris in the troposphere, 21:6085
  Particle dispersion in the atmosphere's boundary layer, 22:40243 (AECL-2787, pp 437-52)
KAO, Wen Hua Total neutron cross sections of sulfur and tungsten between 5.3 and 6.3 MeV, 22:20523
KAO, Yi-han Temperature dependence of the surface-sheath nucleation field in strong-coupling superconductors, 23:34353
  Tunneling of supercurrent through barriers connected in series, 22:26343
KAOUCHANSKI, D. A. Soviet LMB and RX gamma irradiators, 24:41594
KAPADIA, B. M. Influence of N, Ti, and Zr on B hardenability effect in constructional alloy steels, 22:49745
KAPADIA, C. J. Nuclear spectroscopy with energy resolution of a part per million, 22:18199
KAPADIA, P. D. Two-pion exchange contribution to the nucleon—nucleon potential, 22:1453
KAPADIA, R. T. Inactivation of B. subtilis transforming DNA by mutagenic agents, 23:38526
KAPADNIS, D. G. Helium-3 on the lambda temperature, 21:5224
KAPAHI, V. K. High resolution studies of the Sun at a frequency of 612 Mc/s, 21:3570
  Lunar occultation observations of 25 radio sources, 25:58538
  Radio observations of the quiet sun at 49 cm, 21:11356
  Simple image forming technique suitable for multifrequency observations of solar radio bursts, 25:7067
  Slowly varying component and bursts at 612 Mc/s, 23:36435
KAPALIN, V. N. Linear proton accelerator I-2. VII, 22:32416
KAPCHIGASHEV, S. P. Determination of level density and of the "A" parameter from data on average capture cross section, 21:7819 (FEI-36)
  Determination of level densities and the parameter a from data on mean capture cross sections, 21:2684
  Neutron radiative capture in the synthesis of heavy elements in stars, 22:5905
  Radiative neutron capture in synthesis of heavy nuclei, 22:18205 (FEI-64)
KAPCHINSKII, I. M. Adjustment of acceleration conditions and beam parameters of linear accelerator I-12, 22:7571 (ITEF-513)

  Adjustment of acceleration conditions and beam parameters of I-2 linear accelerator, 22:32312 (CEAL-2000, pp A1-7)
  Adjustment of acceleration conditions and beam parameters of linear accelerator I-2, 22:44526 (ANL-Trans-653)
  Beam regulation in a 100-MeV linear accelerator, 25:9914 (NP-tr-1926)
  Experimental investigation of the dynamics of protons in a tightly-focused linear accelerator, 23:19082 (ITEF-617)
  Experimental research on proton dynamics in strong-focusing linear accelerator, 24:6796
  Ion linear accelerator, 25:53451
  Linear ion accelerator with homogeneous-space strong focusing, 24:26544 (KFK-tr-312)
  Linear ion accelerator with spatial—homogeneous strong focusing, 24:10867 (ITEF-673)
  Linear ion accelerator with spatially uniform hard focusing, 23:49238 (SLAC-Trans-99)
  Linear ion accelerator with spatially homogeneous strong focusing, 25:20172
  Linear proton accelerator I-2. I, 22:32394
  Linear proton accelerator I-2. III, 22:32403
  Linear proton accelerator. VIII, 22:32415
  Linear proton accelerator. XI, 22:32397
  Longitudinal Coulomb repulsion of ions in linear accelerator, 22:46648
  Method for defining regime of acceleration in injector of accelerator, 23:21183 (IFVE-INZH-68-49-K)
  Parameters of linear accelerator I-100, during acceleration of beams of high intensity, 23:44750 (IFVE-INZH-68-63)
  Possibility of reducing the injection energy and increasing the limit current in an ion linear accelerator, 25:31062
  Proton linac (25 MeV), 22:32316 (CEAL-2000, pp A30-1)
  Startup of 25-MeV, rigid-focusing linear proton accelerator, 21:33821
  Transversal oscillations of the beam in the hard-focusing channel by switching off the lenses, 23:52042 (IFVE-INZH-69-3)

KAPCHINSKII, Il'ya Mikhailovich Dynamics of particles in linear resonance accelerators, 22:32392

KAPCHINSKII, S. I. Method of determination of acceleration regime of IFVE proton synchrotron injector, 23:32862 (CERN-Trans-69-9)

KAPCHINSKY, I. M. Injector for the Serpukhov PF: start-up works, 22:32274 (CEAL-2000, pp 255-60)

KAPECKI, Jon A. Stereochemistry and secondary deuterium kinetic isotope effects in the cycloadditions of diphenylketene with styrene and deuteriostyrenes, 24:41300

KAPECKI, Jon Alfred Part I. Cycloadditions of diphenylketene to olefins. Part II. The structures of some adducts from carbon disulfide and alpha-diazoketones, 24:33693

KAPECKI, Jon. A. Kinetic isotope effects on the (2 + 2) cycloadditions of diphenylketene with α- and β-deuteriostyrene, 23:31338

KAPEL'YAN, S. N. Recombination decay of plasma, 25:56167

KAPER, H. G. Neutron wave propagation with a one-term degenerate thermalization kernel, 22:29857
  One-speed transport theory with anisotropic scattering. I, 21:25397 (NP-16508)
  Theory for the slowing down of neutrons in a nonmultiplying medium, 21:29847

KAPER, Hans G. Application of finite element techniques for the numerical solution of the neutron transport and diffusion equations, 25:33374 (CONF-710107-, pp 258-85)
  Elementary solutions of the reduced three-dimensional transport equation, 23:21225
  Numerical evaluation of the slab albedo problem solution in one-speed anisotropic transport theory, 25:7509
  Survey of approximation procedures for the numerical solution of the neutron transport equation, 25:36647 (ANL-7779)
  The initial-value transport problem for monoenergetic neutrons in an infinite slab with delayed neutron production, 21:46646

KAPER, Hans Gerard Slowing down neutrons in substances, 21:11929 (NP-16445)

KAPER, J. P. Measurements of the static pinning of magnetic flux in superconductors, 25:49843

KAPER, U. Matter production and 3°K radiation, 22:52463

KAPERKO, F. F. Effectiveness of combined chemical and x ray therapy in experiments, 21:28537

KAPETANAKOS, C. A. Trapping and confinement of nonneutral hot electron clouds in a magnetic mirror, 25:40584
  Trapping of 0.5-MeV electron ring in 15-kG pulsed magnetic mirror field, 23:1749

KAPETANAKOS, Christos A. Experimental study of a magnetically confined, unneutralized, electron plasma, 25:25133

KAPFER, W. Electron beam radiation curing of copolymers, 23:40731

KAPFHAMMER, W. Lattice constants and density changes in neutron irradiated LiF, 21:42165

KAPFHAMMER, W. H. Moessbauer isomer shifts and hyperfine splitting of 145.4 keV γ-rays of ^{141}Pr, 25:36344

KAPIL, A. L. Prog. rpt. on shelter atmosphere monitoring instruments, final, 1/66, 21:17907 (AD-642416)

KAPIL, S. K. Applicability of self-consistent one dimensional analysis to very small reflected cylindrical fast assemblies, 24:16289
  Reactor physics calculations for a high density fast critical assembly, 24:16245

KAPIS, M. V. Cardiac muscle in dynamics of acute radiation sickness, 24:48428
  Effect of gamma radiation on meat proteins, 21:30789
  Effect of x irradiation on soluble proteins of liver, 24:48431
  Influence of ionizing radiation on methionine-^{35}S inclusion into soluble proteins, 23:6366

KAPISHEVSKII, V. Radioluminescence flash in NaCl crystal, 21:25184
  Radioluminescence of NaCl single crystals, 21:25177

KAPISHOVSKI, V. Testing of the seal of fuel element envelopes in reactors with gas heat transfer media, 25:34378 (JPRS-53069, pp 131-8)

KAPISOVSKI, V. Checking the leak tightness of fuel-element cans in gas-cooled reactors, 25:48238

KAPITANCHUK, V. A. Investigation of interaction processes of accelerated T^{+} ions in solid targets by the method of interlayer irradiation, 24:21548

KAPITANENKO, A. M. Chronic exposure to a ultrahigh frequency field, 21:22508

KAPITANOV, Yu. T. On the adsorption of radon on activated carbon, 22:25503
  Radon isotopes and short-lived products of their natural decay, 23:29003

KAPITOLA, J. Accumulation of /sup 99m/Tc in rat thyroid, 23:38448
  Accumulation of /sup 99m/Tc in rat thyroid, 25:8599
  Difference in dried thyroid block of ^{131}I uptake in male and female rats, 25:26601
  Effect of TSH on thyroid ^{86}Rb and ^{131}I uptake in rats, 23:35607
  Radioisotope methods of examination of body fluids. III, 22:51438
  Sex differences in blocking thyroid ^{131}I in mice, 24:578

KAPITONOV, I. M. (γ,n) cross sections of Al and P, 25:31242
  Cross section of reaction ^{40}Ca(γ,p), 22:39609
  Fine structure of the giant dipole resonance in ^{16}O nucleus, 25:31231
  Giant dipole resonance for nucleus ^{181}Ta, 24:1857
  Giant dipole resonance on Ni isotopes, 24:33131
  Highly efficient neutron detector, 24:27363
  Multichannel system for measuring the photofission yield, 25:21394
  Phosphor photoprotons, 21:44624
  Photoneutron cross section for silver isotopes, 24:28804
  Photoneutron cross sections on nickel isotopes, 23:1852
  Photoneutron reactions on copper, 25:28260
  Photoproton cross sections for nuclei with (1f—2p) shell, 24:38192
  Photoprotons from magnesium, 21:2670
  Photoprotons from sulfur, 21:2680
  Rapid fluctuations of intensity in the gamma radiation of a betatron, 25:9936
  Reactions ^{32}S(γ,pγ') and ^{32}S(γ,nγ'), 25:14946
  Structure of cross section of photoneutron reaction on ^{208}Pb nucleus in the region of a giant dipole resonance, 25:20437
  Structure of cross section of reaction ^{208}Pb(γ,Tn), 22:32623
  Structure of cross section of reaction ^{40}Ca(γ,n) in region of giant resonance, 25:53684
  Structure of photoneutron cross sections of ^{51}V, ^{52}Cr, and ^{59}Co, 25:31243
  Structure of the cross section of the reaction ^{40}Ca(γ,p), 21:31764

KAPITONOV, V. A. Experiments on shock plasma heating in a rapidly rising magnetic field, 25:1168
  Experiments with strong shockwaves on Voda I, 24:6510 (NP-tr-1861)

KAPITONOV, V. I. Investigation by the electromotive force method of the thermodynamics of the intermetallic compounds of bismuth with uranium, 22:28789

KAPITONOVA, G. V. Influence of ionizing radiation on pexia of serotonin and acetylcholine by blood and tissues, 24:16982

KAPITSA, M. L. Optical properties of Mo in range of 2 to 10 photons, 23:48429

KAPITSA, P. L. Free plasma column in a high frequency field at high pressure, 24:12802
  Free plasma column in a high frequency field at high pressure, 24:21779 (JPRS-50157)
  Solenoid to create magnetic field up to 30 kOe in volume of 5 liters, 22:44078
  Thermonuclear reactor with a plasma column hovering in a high frequency field, 24:19916
  Thermonuclear reactor with a plasma column hovering freely in a high-frequency field, 24:30357 (JPRS-50255)

KAPITSA, S. P. Angular distribution of fragments of photofission near the threshold, 22:3688 (FEI-73)
  Angular distribution of fragments of photofission near the threshold, 22:42010 (ANL-Trans-639)
  CW microtron, 21:29801
  Design and operating characteristics of a microtron, 23:32878
  High-current microtron (30 MeV), 21:29800
  Microtron, 23:30874
  Modern developments of the microtron, 21:29799
  Photofission of ^{232}Th, ^{238}U, ^{239}Pu, ^{240}Pu, ^{242}Pu and structure of fission barrier, 24:38288
  Photofission of ^{232}Th, ^{238}U, ^{239}Pu, ^{240}Pu, and ^{242}Pu and structure of fission barrier, 24:52561 (LA-4385-TR)
  Symmetrical photofission of ^{238}U, 22:3711

KAPITZA, S. P. Angular distribution of photofission fragments near threshold, 22:18275
  Photo-nuclear activation analysis of O in pure materials, 25:10501
  Photofission of even—even nuclei, 23:37207

KAPITZKE, J. A. Direct measurement of fast-neutron spectra and the neutron differential-dose albedo for concrete with the NE-213 neutron spectrometer, 21:7317

KAPKANSHCHIKOVA, I. A. Determination of clay content of rocks from gamma method, 24:16689

KAPLAFKA, J. P. Evidence of low-binding-energy electrons in a low-temperature helium afterglow, 22:48099

KAPLAFKA, James Peter Recombination in low temperature helium plasmas, 22:46155

KAPLAN, A. L. Investigation of the floor-barrier reduction factor used in structure shielding theory, 21:21022
  Structure shielding from simulated fallout gamma radiation, 21:6485 (AD-641134)
  Use of scale models in structure shielding experiments, 21:36314 (TO-B-67-25)

KAPLAN, A. M. Congealing and regeneration phenomena of polymer chains during the radiative post-polymerization of low-temperature polymorphic modification of solid acrylonitrile, 24:9348
  Radiation cross-linkage of polyisobutylene in presence of monomer additions, 25:4101
  Radiation polymerization of solid formaldehyde at 80 to 90°K, 25:21016

KAPLAN, Albert S. Synthesis of DNA and histones in mouse, 23:33861

KAPLAN, Arthur L. Application of scale-model shielding data to full-scale structures, 21:36317
  Attenuation of fallout gamma radiation by a basement ceiling, 22:30718
  Electroscope: home-made radiation detection instrument for home use, 23:43510 (AD-685877)
  Far-field estimates in structure shielding experiments, 23:36770
  Infinite-field gamma dose rates in structures from finite-field experiments, 21:7309

KAPLAN, B. Acceleration of the convergence of successive over-relaxation by order of mesh point scanning in the solution of the diffusion equation for transient heat transfer, 21:232
  Improved block pattern in solution of equation for transient heat conduction, 22:27997

KAPLAN, B. Ya. Analysis of semiconductors of A/sup III/B/sup V/ type, 23:37891
  Determination of Te in As, 23:28685

KAPLAN, C. J. Test and evaluation of Alco/BLH prototype sodium-heated steam generator (final report), 25:51673 (LMEC-Memo-70-20)

KAPLAN, Charles H. Parameters for background radiation measurements, 22:2415

KAPLAN, Coleman Prog. rpt. on current density limitations in thermionic converter, final, 1/1/65-6/15/65, 21:13413 (AD-639994)

KAPLAN, D. E. Cyclotron echo measurement of electron momentum and energy relaxation in plasmas, 22:31836
  Cyclotron echoes in plasmas, 21:23186
  Stimulated emission from the upper-hybrid resonance in a magnetoplasma, 21:33420

KAPLAN, Daniel E. Cyclotron echo study, 23:25393 (AD-678840)

KAPLAN, David M. Validity of the quasiclassical method in neutron scattering, 23:34709

KAPLAN, E. Clinical application of color modulation of gamma energy, 23:33450
  Dual-channel technique for elimination of the liver image from selenomethionine pancreas organ scans, 22:49402
  Ion-binding measurement by isotopic exchange, 23:202
  Nondialyzable manganese and copper in human bile, 21:35859

KAPLAN, Edwin L. Radioimmunoassay of calcitonin, 23:4876

KAPLAN, Elizabeth D. Secondary deuterium isotope effects, 22:8080

KAPLAN, Elizabeth Dee Secondary β-deuterium isotope effects in the formation of ammonium and phosphonium salts, 22:4158

KAPLAN, Ervin Biological half-life of ^{75}Se-selenomethionine in man, 23:4951
  Distribution and concentration of ^{75}Se-selenomethionine in man, 24:9744
  Distribution of ^{75}Se-selenomethionine, 25:51979
  Dual channel scanning, 23:31852
  Dual-channel color scanning, 24:12167
  Dual-channel pancreas scanning, 24:9895
  Elimination of liver interference from the selenomethionine pancreas scan, 21:14700
  Energy-to-color modulation for multi-isotope scanning, 21:36439
  Hepatic scan in cirrhosis, 21:14696
  Ion binding by serum protein, 21:36483
  Kinetic analysis of isotope exchange from a cylinder, 22:40610
  Kinetic analysis of isotope exchange from a cylinder containing dissociable non-permeable interacting substance, 22:40611
  Modification of a multi-isotope color scanner for multi-purpose scanning, 21:41443
  Neutron-activation studies of trace elements in human fingernails, 23:50295
  Rapid evaluation of thyroid nodules using /sup 99m/Tc-pertechnetate scanning, 24:34506
  Renograms compared with urograms, arteriograms, and function studies, 24:12161
  Tape recording as an adjunct for simultaneous multiradionuclide imaging, 25:32236
  Tape recording of dual-channel energy-modulated color scanning, 24:12147

KAPLAN, G. Geochemistry of isotopes, 23:38098

KAPLAN, Gustav Radiochemical changes of stearic acid, 21:108

KAPLAN, Gustave Carcinoma of the nasopharynx, 24:801

KAPLAN, H. S. Management of cervical lymph node metastasis by megavoltage radiotherapy, 23:12163
  Radiation effects on DNA synthesis and cell division in bone-marrow of mouse, 21:20403

KAPLAN, Henry S. Antigenic characteristics of lymphomas induced by radiation leukemia virus, 23:16252
  Criteria for selection of types of tumours for radiotherapy with unconventional radiation, 25:52161
  Current status of radiotherapy for neoplastic disease, 21:16397
  DNA strand scission and loss of viability after x-irradiation of bacterial cells, 22:25780

Efficacy of linear accelerator x-ray therapy in cancer of the bladder, 21:30853
Evaluation and management of Hodgkin's disease and malignant lymphomas, 22:49394
Intra-arterial 5-bromodeoxyuridine and x-ray therapy, 22:49395
Linear accelerator supervoltage radiation therapy, 23:8050
Lymphoid tumor induction by mouse thymocytes, 21:14733
Macromolecular basis of radiation-induced loss of viability in cells and viruses, 24:34099
Oophoropexy: a means of preserving ovarian function following pelvic megavoltage radiotherapy for Hodgkin's disease, 24:34363
Preservation of ovarian function in pelvic radiation for Hodgkin's disease, 24:32262
Production and repair of radiochemical damage in Escherichia coli deoxyribonucleic acid; its modification by culture conditions and relation to survival, 25:18912
Radiation and virus interactions in leukemogenesis, 24:9924 (CONF-690303-, pp 319-25)
Radiation hepatitis, 23:6517
Radiation-induced heart disease, 21:39516
Radical radiotherapy in Hodgkin's disease and other lymphomas, 23:29670
Radiobiology's contribution to radiotherapy: promise or mirage. Failla memorial lecture, 24:44579
Radiosensitization by the halogenated pyrimidine analogues: laboratory and clinical investigations, 25:4537
Radiotherapy in Hodgkin's disease, 23:38703
Relation between thymic alkaline phosphatase activity and lymphoma development in mice, 21:26616
Repair of x-radioinduced DNA strand breaks in vivo, 25:42326
Replication of type C virus particles in thymus grafts of C57BL mice inoculated with radiation leukemia virus, 22:23633
Thymineless radiosensitization in E. coli, 21:24676
Treatment of Hodgkin's disease, 21:24469
KAPLAN, I Development and application of single-element methods, 24:33528
KAPLAN, I. Design, construction, and evaluation of facility for simulation of fast reactor blankets, 24:22450 (MIT-4105-2)
Energy spectrum of fast neutrons slowing down from a fission source in a homogeneous medium, 22:14166
Experimental measurement of K infinity and eta in subcritical lattices, 22:32999
Foil correction factors for rho$_{28}$ and delta$_{25}$ measurements to account for first-flight flux depression, 21:38709
LMFBR blanket test facility, 24:33413
Measurement of reactor parameters in slightly enriched U, heavy water moderated miniature lattices, 21:29831 (MIT-2344-08)
Measurement of reactor parameters in slightly enriched U, heavy-water-moderated miniature lattices, 21:38717
Measurements of material activation and neutron spectra in an LMFBR blanket mockup, 25:41408
Prog. rpt. on heavy water lattice project, annual, 9/66, 21:29832 (MIT-2344-09)
Prog. rpt. on heavy water lattice project, final, 9/67, 22:32976 (MIT-2344-12)
Prog. rpt. on reactor physics, annual, 9/69, 24:53001 (MIT-3944-4)
Rational correlation for measured lattice parameters, 21:38710
Simple method of calculating ^{238}U fissions in isolated, low-enriched uranium rods, 22:6170
Simple one-group method for fast reactor calculations, 25:41406
Use of a moments method for the analysis of flux distributions in subcritical assemblies, 22:22857 (MIT-2344-11)
Use of a pulsed neutron source to determine nuclear parameters of lattices of partially enriched uranium rods in heavy water, 21:33858 (MIT-2344-07)
Use of experiments on a single fuel element to determine the nuclear parameters of reactor lattices, 22:3893 (MIT-2344-10)
Use of pulsed-neutron source technique to determine values of K/sub infinity/, 21:38718
KAPLAN, I. R. Carbon, carbides, and methane in an Apollo 12 sample, 25:16742
Concentration and isotopic composition of C and S in Apollo 11 lunar samples, 24:20710
Deposition of uranium in the sediment and interstitial water of an anoxic fjord, 25:48672 (CONF-700965-1)
Differences between barites of marine and continental origins, 23:13862
Prog. rpt. on biological cycling of elements and stable isotopes in marine environments, 1/70—3/71, 25:46573 (TID-25745)
Prog. rpt. on chemical composition of ocean using direct measuring oceanographic electrochemical probe, annual, 1970, 24:29157 (UCLA-34-P-178-X-1)
Uranium isotopes in sea-floor phosphorites, 24:14062
KAPLAN, Ira I. Genetic implications of clinical radiation of women suffering from sterility, 21:10942
KAPLAN, Irving Reactor physics parameters of 1.03 percent enriched uranium metal, D_2O moderated lattices, 22:33006
KAPLAN, J. Enzymatic mechanisms for the repair of uv irradiated DNA, 24:48755
Enzymes in repair of uv irradiated DNA, 23:47972
High-energy proton—proton scattering in the Eikonal model, 23:44677
KAPLAN, J. I. Evaporation from He II, 25:40509
KAPLAN, J. M. Derivation of Veltman's equations in classical field theory, 21:33686
Elastic proton—proton scattering in the Eikonal model, 24:20181
Pseudoscalar—vector meson scattering in the Veneziano model, 24:3668
Regge cuts and high energy πN and KN scattering, 25:56505
Rising Regge trajectories and crossing symmetry, 23:5688 (LPTHE-TH-68/18(Rev.))
Rising Regge trajectories and crossing symmetry, 23:15287
Rising Regge trajectories and crossing symmetry, 23:21168
KAPLAN, Joan Repair of UV-irradiated DNA, 25:10959 (BNL-50203, pp 27-40)
KAPLAN, Joan C. Enzymatic repair of deoxyribonucleic acid. IV. Mechanism of photoproduct excision, 25:57928
Enzymatic repair of DNA. I, 23:38469
Enzymatic repair of DNA. III. Properties of the UV-endonuclease and UV-exonuclease, 25:57935
KAPLAN, Jordan Long-term and the altitude dependence of the barometric coefficient for neutron monitors, 21:10642
KAPLAN, L. H. Deposition of Mo and W films, 24:25057
KAPLAN, L. M. Matrix products and the explicit 3, 6, 9, and 12-j coefficients of the regular representation of SU(n), 22:17982
KAPLAN, Louis Vapor-phase γ-radiolysis of benzene, 23:47555
KAPLAN, M. A. Investigation of vitamin B_{12}—^{60}Co radiometric method of whole body after resection of stomach, 25:13334
Study of distribution of radioactive substances in the human body by means of a background-free chamber, 24:41751
Whole-body radiometric investigation of assimilation of ^{59}Fe after operations on stomach, 25:16006
KAPLAN, Morton Analysis of recoil angular and range distributions from compound-nucleus reactions, 21:46810
Energetics of nucleon and photon emission from compound nuclei: angular distributions of ^{61}Cu recoil products, 21:13829
Magnetic moment of ^{141}Sm and attenuation following decay of oriented ^{143}Sm, 24:1859
Neutron and photon emission from Ba compound nuclei, 24:24580
Paramagnetic and electric quadrupole hyperfine interactions of ferric ions in ice and $FeCl_3.6H_2O$, 22:48159 (YALE-3219-19)
Prog. rpt. on nuclear chemistry, 7/71, 25:51544 (NYO-4177-103)
Significance of lattice contribution to Moessbauer quadrupole splitting, 21:37611
KAPLAN, N. ^{151}Eu indirect spin—spin interaction, 25:59200
Nuclear relaxation rates in single-domain cobalt, 22:17761
Precision thermometer for the region 10 to 40K, 23:9801
Relaxation of ^{161}Dy and ^{163}Dy NMR in Dy metal, 22:26499
KAPLAN, R. L. Separation of the neon isotopes by cryogenic chromatography, 24:20855
KAPLAN, R. W. Influence of bromouracil on loss mutations and interaction of uv and x radiations in phages, 22:40637
Influence of caffeine on repair of uv-premutations of E. coli, 22:40648
Influence of host-cell reactivation and uv dose on formation of pure and mixed clones of c mutants in phage kappa, 25:8653
Mutations with x rays by irradiation of free kappa bacteriophage under various conditions, 21:22818
Photodynamic induction of mutation in phage, 22:51554
Photoreversal of c-mutations induced by u.v. in the extracellular phage kappa, 21:28699
Ultraviolet irradiation of Serratia marcescens, 22:589
KAPLAN, S. Angle-space synthesis: an approach to transport approximations, 21:29841
Anomalies arising from the use of adjoint weighting in a collapsed group-space synthesis model, 22:16329
Canonical and involutory transformations of the variational problems of transport theory, 21:25404
Canonical and involutory transformations of variational problems involving higher derivatives, 21:38208
Canonical and involutory transformations of variational problems involving second derivatives: application to beams and plates, 21:42864 (WAPD-TM-659)
Canonical and involutory transformations of variational problems involving higher derivatives, 22:32033
Canonical formulations of elasticity problem, 21:38473 (WAPD-TM-681)
Combined space—time synthesis model, 22:32830
Computational methods for solution of realistic space—time dynamics problems, 21:38535
Initial studies of collapsed group-space synthesis, 21:38205
Inverse problem of radioisotope diagnosis, 24:2732
Natural modes of the xenon problem with temperature and control feedback, 21:38474 (WAPD-TM-695)
Properties of the relaxation lengths in P/sub L/, double-P/sub L/, and angle-space synthesis-type approximations, 21:31686
Reality of relaxation lengths in various approximate forms of the slab transport equation, 21:13793
Synthesis methods to elasticity problems, 21:34170 (WAPD-TM-694)
Synthesis of three-dimensional flux shapes using discontinuous sets of trial functions, 21:30191
Test of the time synthesis approach for the solution of reactor kinetics problems, 21:10132 (WAPD-TM-641)
Use of dual variational principles for the estimation of error in approximate solutions of diffusion problems, 22:14320
KAPLAN, S. A. Application of the method of characteristics to the solution of the transfer equation for a nonstationary radiation field, 25:2829
Buildup of electromagnetic waves by induced Compton effect, 23:41820
Conversion of plasma waves into electromagnetic waves, 23:16588
Diffusion coefficients of particle acceleration in a turbulent plasma with a magnetic field, 25:33211
Evolution of a protostar cluster in the standard 25-body problem, 24:42380
Interpretation of the dip in the spectrum of millimeter solar radio emission, 22:29077
Interstellar gas dynamics. Second edition, 21:41745
Interstellar medium, 25:11641
Magnetorelativistic model of a pulsar pulse, 24:12541
Nonthermal radio emission generated by coherent plasma waves, 23:3207
Plasma mechanisms of emission in pulsars, 24:32554 (NP-18255)
Plasma mechanisms of radiation in astrophysics, 23:16622
Plasma radiation mechanism in astrophysics, 23:6988 (NP-17701)
Plasma radiation process in astrophysics, 23:39071 (AEC-tr-7074)
Possible antenna mechanism for cosmic radio emission, 25:58526
Possible interpretation of the radio emission from small cosmic sources, 22:7096
Radio emission from beams of fast particles under cosmic conditions, 22:36579
Radio emission of fast cosmic ions, 23:27399
Scattering of electromagnetic radiation by turbulent plasma under cosmic conditions, 24:46911
Scattering of radiation within a spectral line emitted by turbulent plasma, 25:9481
Shock waves in a gas-dust medium, 22:43802
Stable isotopes for study of calcium metabolism, 23:5037
Theory of coherent synchrotron radiation from cosmic radio sources, 23:3206
Theory of strong shock propagation in an inhomogeneous cosmic medium, 22:821
Theory of synchrotron radiation in magnetoactive plasma, 21:18720
KAPLAN, S. F. Prog. rpt. on neutron diffraction program, 4/67, 21:25820 (PRNC-94)
Prog. rpt. on neutron diffraction, 4/68, 22:50223 (PRNC-115)
KAPLAN, S. I. HTGR concern clarified, 23:21506
HTGR safety, 25:60130
Safety considerations of integrated circuits for reactor primary systems, 23:28531
Safety in high-temperature gas-cooled reactors, 22:12056
KAPLAN, S. J. Effects of pulsed gamma—neutron radiation upon the performance of the unfettered monkey, 24:4679 (AD-690879)
Low dose and administration early in gestation effects, 21:24540 (CONF-631008, pp 111-17)
Sleep profiles of the monkey as affected by gamma—neutron radiation, 23:29727 (AD-675041)
KAPLAN, S. L. Double antibody radioimmunoassay systems utilizing sheep anti-rabbit precipitating sera, 23:38399
KAPLAN, S. N. Approximate methods for calculation of intrinsic total-absorption- and double-escape-peak efficiencies for Ge(Li) detectors, 24:39249
Doppler broadening of 6.322-MeV γ ray from ^{15}N following μ^- capture in ^{16}O, 24:6829 (UCRL-19348)
Methods for calculation of intrinsic total-absorption- and double-escape-peak efficiencies for Ge(Li) detectors, 24:16838 (UCRL-19392)
Partial capture rates of muons by ^{16}O leading to excited nuclear states of ^{15}N, 23:23633
KAPLAN, S. Z. Effect of small doses of gamma-rays and neutrons on the aging of oils, 22:14524
KAPLAN, Selig N. Cross sections for electron capture by fast protons in H_2, He, N_2, and Ar, 21:33205
Cross sections for electron capture into excited level n = 6 of H, 23:27384
Positive-pion production in inelastic π^-p interactions between 500 and 1300 MeV, 21:18921
KAPLAN, Stanley New derivation of discrete ordinate approximations, 22:48803
KAPLAN, T. A. Hartree—Fock theory: Slater determinants of minimum energy, 21:22979
KAPLAN, V. B. Comparison of probe and optical methods for measuring low-temperature cesium plasma parameters, 23:8495
Determination of plasma density from probe ion characteristics over a wide pressure range, 24:49123
Low-voltage arc in thermionic converters, 23:12612
Spectroscopic measurements of the plasma parameters of a thermionic converter, 21:18492
KAPLAN, W. D. Transmutation studies in Drosophila, 24:31925
KAPLAN, William D. Genetic effects of tritiated thymidine, 23:31712
KAPLIN, Edward J. Diffusion of a scale model smoke plume, 21:25988 (ANL-7220, pp 106-15)
Prog. rpt. on transverse jet plumes, annual, 12/67—12/68, 23:11654 (NYO-3673-3)
Prog. rpt. on transverse jet plumes, 1/1/69—1/31/70, 24:27240 (NYU-3673-4)
KAPLINA, G. S. Diffusion in nitrided Nb, W, and Fe—Si alloys, 25:19234
Surface nitriding of zirconium, 25:58173
KAPLON, M. F. Balloon measurement of proton and alpha particle fluxes, 23:25180
Charged-particle observations from OSO 3, 25:43178
Differential energy spectrum of protons, helium nuclei, and electrons, 23:12598
Energy dependence of the isotopic composition of helium nuclei in the primary cosmic radiation, 21:2069
Flux of H, He, and electrons, 23:10463
Measurements of the low-energy cosmic radiation during the summer of 1966, 22:5159
Nonlinear response of plastic scintillator NE102, 22:2354

  - Prog. rpt. on high resolution cosmic ray charged particle telescope, 10/16/66—1/20/67, 21:37193 (N-67-18124)
- KAPLOW, Roy Compton scattering and electron momentum density in beryllium, 25:19870
- KAPLUNOV, M. Ya. Investigation of the radiochemical sensitization effect in rubber, 24:27100 (AD-701946)
  - Sensitization of radiation-chemical processes in rubbers, 22:33457
- KAPLYANSKII, A. A. Inversion symmetry of optical centers in diamond, 25:40776
- KAPO, Peter S. Energy level structure of zinc in magnetic fields using a single band effective Hamiltonian, 22:9425 (RPI-1995-7)
- KAPOOR, Anoop Saran Effect of radioprotective compounds such as AET and MEG on thyroid gland of Heteropneustes fossilis Bloch, 21:22483
- KAPOOR, H. K. Treatment of cancer cervix by radiotherapy, 22:28547
- KAPOOR, M. L. Response of some varieties of hexaploid wheat and a two-rowed barley variety to chronic gamma-irradiation, 25:42724
  - Use of ionizing radiations for improvement of medicinal and aromatic plants, 23:20426
- KAPOOR, Q. S. Doublet (s,t) in L-spectrum of ^{67}Ho, 22:2047
  - L/sub I/N/sub IV,V/ and L/sub I/O/sub I/ transitions in Ho, 23:16679
  - New diagram lines in L emission spectrum of thulium. I, 22:31656
  - New quadrupole and forbidden lines in the L-emission spectra of Yb and Lu, 21:27971
  - New quadrupole transitions in L spectrum of Gd, 25:969
  - Origin of high-frequency satellites in L-emission spectra of rare earths, 24:1271
  - Quadrupole transition L/sub II/ N/sub III/ in Er, 24:12639
  - s line in the L spectrum of Gd, 24:17636
  - Satellite $L\beta_2$/sup I/ in x-ray spectra of rare earths, 25:47328
- KAPOOR, R. N. Bromide alkoxides of uranium, 21:45045
  - Mandelates of lanthanum, praseodymium, neodymium, and uranium, 25:4055
  - Organic compounds of U. II, 21:1353
  - Organic compounds of U(V), 25:6298
  - Organic compounds of U(V). I, 24:13831
  - Organic compounds of uranium, 21:17620
  - Organic compounds of uranium. III, 22:2054
  - Reactions of uranium tetrachloride with organic esters, 25:31894
- KAPOOR, Ramesh K. Environmental dose evaluation, 23:22312
- KAPOOR, S. C. Acetic acid as eluting agent for Pu(IV), 23:376
  - Use of trilauryl amine as an extracting agent for Pu(IV), 24:46297 (BARC-476)
  - Use of U(IV) as reductant for Pu in Purex process, 23:45241 (BARC-375)
- KAPOOR, S. S. Angular distribution of fission fragments in the neutron induced fission of ^{235}U, 24:15891
  - Angular distribution of prompt-γ rays in spontaneous fission of ^{252}Cf, 22:32635
  - Correlated emission of K x-rays from ^{252}C fission fragments, 25:50776
  - Current status of nuclear fission studies, 24:52551 (CONF-690916-(Vol.1), pp 4-22)
  - Emission of K x-rays in the thermal fission of ^{235}U, 23:19272
  - Excitation energy dependence of shell effects on nuclear level densities and fission fragment anisotropies, 25:1766
  - Fragment angular distributions in the framework of a double-humped fission barrier, 25:50860
  - High resolution x-ray spectrometer using lithium drifted silicon detector for nuclear charge determination, 22:32627
  - K X rays from ^{252}Cf fission fragments in ternary fission, 22:18229
  - K x-ray yields from ^{234}U fragments, 25:15027
  - K x-ray yields of fragments of specified nuclear charges, 24:15888
  - Recent advances in nuclear fission studies, 23:19352
  - Semiconductor x-ray spectrometer, 24:14256
  - Yield of K x rays emitted from ^{234}U fragments, 23:25915
  - Yield of K x rays emitted from ^{234}U fragments, 23:28294 (BARC-363)
- KAPORSKII, L. N. Thermoelectron emission and divergence of the plasma formed under the effects of a focused monopulsed laser beam on a solid target, 22:46186
- KAPP, Daniel S. Chemical inhibition of repair of single-strand breaks in DNA, 25:46718
  - Chemical nature of chain breaks produced in DNA by x-irradiation in vitro, 24:25394
  - Repair of radiation-induced damage in Escherichia coli. II. Effect of rec and uvr mutations on radiosensitivity, and repair of x-ray-induced single strand breaks in deoxyribonucleic acid, 24:41758
  - X-ray-induced chain breaks in DNA, 23:24571
- KAPP, Daniel Stuart Production and repair of x-ray induced strand breaks in DNA, 25:42357
- KAPP, John P. Movement of ^{22}Na, radioiodinated protein, and tritiated water from the cisterna magna into the cerebrovascular circulation, 22:12762
- KAPP, L. B. Determining transport coefficients for high-pressure arcs, 24:3323
- KAPPAS, A. Estrogen pharmacology. III, 21:22227 (ACRH-26, pp 65-9)
  - Radiation-induced resistance to dodine in Hypomyces, 22:21639
- KAPPE, David Syme Self-consistent set of thermal neutron activation cross sections, 21:7759
- KAPPE, P. Magnetic field tolerance and self field effects of an electron ring accelerator, 25:56595 (NP-19007)
- KAPPE, Peter Karlsruhe compressor, 24:35788
- KAPPEL, F. Applications to nuclear reactor kinetics of extension of Liapunov's direct method to functional-differential equations, 23:6041
  - Criteria for reactor stability, 24:11298
  - Deduction of Krasovskii's instability theorem, 24:4134
- KAPPELER, F. Absolute neutron flux determination, 24:48262 (EURFNR-805)
- KAPPELMANN, F. A. Molecular deposition of the transplutonium elements from an organic extractant, 24:6181
  - Preferential extraction of lanthanides over trivalent actinides by monoacidic organophosphates from carboxylic acids and from mixtures of carboxylic and aminopolyacetic acids, 22:16663
  - Recovery of multigram quantities of ^{242}Cm and ^{244}Cm in Curium Recovery Facility, 24:9346 (ORNL-4241)
- KAPPELMEYER, O. Cooling of high-level radioactive wastes in mines by air ventilation, 22:16821
- KAPPERS, Lawrence Allen F^+ and F' centers in Mg oxide, 25:25210
- KAPPEY, F. Lung scintigraphy with ^{131}I-labeled MAA in late sequelae following blunt chest concussions, 25:11135
- KAPPLER, F. Neutron spectrum measurements in various SUAK assemblies, 24:22457
- KAPPLER, H. M. Mechanical constant velocity drive for Moessbauer-spectroscopy of hemoglobin, 21:32397
- KAPPMEYER, K. K. Importance of microstructural considerations in the performance of steel plant refractories, 23:1042
- KAPPOS, A. D. Energy absorption at interface between tissues of different stopping powers, 22:45542
  - Energy absorption spectra during incorporation of alpha-emitting nuclides, 22:38480
  - Local energy density in the case of an incorporated α-emitting nuclide, 23:14209
- KAPP-SCHWOERER, H. Combination of radium and telecobalt treatment for cervical carcinoma, 24:19321
- KAPP-SCHWOERER, Hermann Effects of various doses and time distributions of radiation on abnormal mitosis: studies on Vicia faba, 22:40542
- KAPPUS, Guenter Mass spectroscopes having means for focusing the ion beam in synchronism with the scanning voltage, 23:20053
- KAPPUS, Peter G. Aircraft nuclear propulsion system, 25:20810
- KAPRIZOV, V. A. Method for the high-temperature testing of refractory metals in vacuum, 22:52176
- KAPRON, Felix P. Dimensionality effects on Fermi gas, 24:20046
- KAPROVICH, V. V. Phase composition of system V_2O_5—TiO_2, 25:45136
- KAPSHANINOV, Yu. I. Electrolytic separation of hydroxide deposits of rare-earth elements, 25:256
  - Sorption of Sr ions on NaX, NaA, and CaA zeolites, 25:21099
- KAPSHUKOV, I. I. Activation energy of first stage of annealing of irradiated $^{238}PuO_2$, 25:13784
  - Effect of internal irradiation on polymorphic transitions in Cm_2O_3, 24:9414
  - Investigation of salt systems UO_2Cl_2—NaCl and UO_2Cl_2—KCl, 23:43327
  - Radiation stability of ^{244}Cm and ^{238}Pu dioxide under self-irradiation, 24:10200
  - Structure of fusion diagrams for four alkali metal chloride—uranyl chloride systems, 25:44371
- KAPSHYKOV, I. I. X-ray studies of cesium pentachlorodiuranylate, 25:15637
- KAPSIMALIS, Peter Sealing properties of endodontic filling materials using radioactive polar and nonpolar isotopes, 21:14683
- KAPTCHINSKII, I. M. Motion of accelerated bunches taking into account the proper field, 22:32351 (CEAL-2000, pp A148-9)
- KAPTEIJN, J. System gallium—indium—tin, 24:46743
- KAPTEYN, J. C. Short-lived neutron-deficient osmium isomer, 21:15589
- KAPTEYN, Johanna C. Decay of ^{169}Hf, 25:3676
  - Palladium-97, 24:20407
  - Rhodium-96 and ^{95}Rh, 23:15461
  - Szilard—Chalmers processes in inorganic U compounds, 23:7562
  - Szilard—Chalmers reactions in inorganic Re compounds, 23:9471
- KAPULLA, H. Neutron capture on molecular hydrogen, 24:3839
  - Slow neutron scattering in solid methane, 24:38074
- KAPULTCEVICH, Yu. G. Survival of irradiated yeast, bacteria, and phages under postradiation conditions, 23:41512
- KAPUL'TSEVICH, Yu. G. Concerning temperature modification of survival curves for yeast cells in the post-irradiation period, 22:10888
  - Influence of fractionated irradiation of the survival of yeast cells, 24:39590
  - Irreversible component of radiation injury of yeast cells. II, 22:25870
  - Quantitative regularities of the postirradiation recovery of yeast cells in different stages of radiobiological effect, 22:52032
  - Role of recovery in modification of yeast survival curves during cell growth in media with different nutrient contents, 22:19359
  - Selection of a mathematical model of post-irradiation recovery of yeast cells after lethal irradiation, 21:36771
  - Survival of irradiated yeast cells, 24:17170
  - Yeast cell recovery from lethal radiation, 21:34831
- KAPUR, M. M. Efficacy of radioactive iodine therapy for hyperthyroidism, 21:12901
- KAPUR, T. R. Radiation changes in larynx, pharynx, oesophagus, and trachea, 23:26914
- KAPUS, Istvan Simple method for determining the concentration of serum thyroxine by competitive displacement analysis, 25:26568
- KAPUSCIK, E. Localizable and nonlocalizable field theories, 25:14806
- KAPUSCINSKA, B. Determination of blood flow in muscles using ^{133}Xe, 24:46629
- KAPUSCINSKA, Barbara Binding of colloidal suspensions of radioactive gold ^{198}Au by lymphoid tissue, 23:35614
- KAPUSCINSKI, A. Determination of blood flow in muscles using ^{133}Xe, 24:46629
- KAPUSCINSKI, Andrzej Device for the low and high tension paper electrophoresis, 21:4609
  - Isotope nephrocystography as a method for the diagnosis of vesico-ureteral reflux, 22:45610
  - Pyelonephritis in the isotope renocystographic patterns, 21:43466
  - Studies on mechanism of binding of radioactive chromium (^{51}Cr) by proteins. II, 23:12000 (TT-67-56003/5, pp 710-20)
- KAPUSI, A. Effect of ^{32}P internal irradiation on serum glucoproteins and lipoproteins, 22:12797
- KAPUSI, Anton Experimental studies on blood protein and immunogenicity of ^{32}P-irradiated animals, 22:40805
- KAPUSTA, A. B. MHD-rotation of conducting fluid in cylindrical vessel, 25:27500
- KAPUSTA, O. I. Annealing of defects which arise in germanium during bombardment by argon ions, 25:38564
  - Secondary emission of InSb single crystals bombarded by Ar ions, 25:1265
  - Secondary ion—electron emission of Au and Cu during bombardment by Ar ions, 25:49700
  - Sputtering InSb single crystals with fast Ar ions, 24:26299
  - Sputtering of InSb single crystals with 70-keV Ar ions, 23:44526
- KAPUSTIN, I. N. Instrument for the automatic recording of cosmic-ray bursts, 23:2706
  - Method for calibration of a high-precision neutron super monitor, 23:41008
  - Prevention of accidental coincidence in a general-purpose telescope of a cosmic-ray station, 23:41004
  - Recording multiplicity of neutron component of cosmic rays, 25:16855
  - Selection of the dead time of the radio channel of a neutron supermonitor, 21:45407
  - Use of SI-5G counters in the sub-Geiger region, 21:4706
- KAPUSTIN, P. A. Three-channel radiometer for measuring polarization of cosmic radiation at frequency 210 Mc, 22:43187
- KAPUSTIN, V. D. Production and inspection of the purity of tungsten and molybdenum single crystals, 21:36817
- KAPUSTIN, Yu. M. Tritium in organic chemistry, 21:45187
- KAPUSTNIKOV, A. A. ΔT absolute value = $^1/_2$ rule in $K \rightarrow 2\pi, 3\pi$ decays as consequence of dynamical symmetry, 25:53111
  - Effective Lagrangian of nonleptonic weak interactions and parity-nonconserving nuclear forces, 25:59418
- KAPUSTSIK, A. Determination of fissionable material concentration in solids, 21:23820 (JINR-P12-3243)
  - Determination of the concentration of fissionable materials in solids, 22:38005
  - Spectra and angular distributions of α particles from the interaction of accelerated ^{22}Ne and ^{40}Ar ions with Au and Th nuclei, 21:10002 (JINR-P7-3041)
  - Spectra and angular distributions of α particles from interaction of accelerated ions ^{22}Ne and ^{40}Ar with nuclei Au and Th, 22:14062
  - Spectra and angular distributions of α-particles from interaction of accelerated ^{22}Ne and ^{40}Ar ions with Au and Th nuclei, 23:15428 (CERN-Trans-68-10)
  - Use of mica, quartz glass, and lavsan for the recording of nuclear fission, 22:36071
- KAPUSTSIK, E. Symmetry relations for the electromagnetic particle polarizabilities, 21:4089 (JINR-P-2894)
- KAPUSTYANENKO, G. G. Questions on the longitudinal stability of the plasma flow between the conducting screens in a transverse magnetic field, 22:52595
  - Scheme of reactive energy generation due to interaction of plasma and the travelling magnetic field, 22:41604
- KAPYRIN, G. I. Development and study of pearlitic steels for steam generators of nuclear power units with sodium heat transfer medium, 25:34334 (JPRS-53069, pp 188-96)
  - Estimate of usability of austenitic steels for nuclear power units with sodium heat transfer medium, 25:34335 (JPRS-53069, pp 197-203)
  - Evaluation of the suitability of austenitic steels for use in sodium-cooled nuclear power plants, 25:47090
  - Pearlitic steels for steam generators of sodium-cooled nuclear power plants, 25:47089
  - Radiation resistance investigations of 48 TC high-strength steel for reactor high-pressure vessels of APS, 25:53908 (A/CONF.49/P-705)
- KAR, Amiya B. Uptake of ^{131}I by rat testis and its distribution, 23:16243
- KAR, K. C. Fundamentals of wave statistics (relativistic), 23:39810
  - New approach to the theory of relativity, 25:33812
  - Theory of relativity, 23:36986
  - Theory of relativity, 24:3764
- KAR, K. R. A new radiometric study of the separation and estimation of traces of yttrium, 22:30
  - Chemical and radiochemical separation of strontium and yttrium, 22:27553
  - Mechanism of deposition of carrier-free ^{32}P on preformed ionic solids, 23:35125
- KAR, R. K. Soft-core model in nuclear matter calculations, 24:18453
- KARABAEV, A. Sh. Radiation-chemical grafting of vinylpyridine to poly(vinyl alcohol), 24:25075
- KARABAEV, E. M. Irreversible component of radiation injury of yeast cells. I, 22:25866
  - Role of free radicals in radiation injury of yeast cells recovery, 22:25739
- KARABAEV, T. A. Thermoemissive properties of a spherical monocrystal of tantalum, 25:59177

KARABAEVA, V. V. Activation energy for K-state formation in a quenched Ni plus 10 at. percent Mo alloy, 23:22538
KARABALAEV, U. Thickening of wool fibers under the influence of ionizing radiation, 25:19121
KARABAN, R. T. Fission products migration in forest, 24:41788
  Influence of radioactive contamination of the soil on pine and spruce seedings, 21:34817
KARABANOV, N. I. Measurement with high-speed counter with automatic recording, 23:33561
KARABANOV, N. V. Stripping process for (α,p) and (α,d) reactions on light nuclei, 25:56677
KARABATSOS, G. J. Isotope effects. II, 22:27712
KARABATSOS, Gerasimos J. Carbonium ions. XIV, 24:18947
  Carbonium ions. XV, 24:18946
  Carbonium ions. XVI. The question of protonated cyclopropanes in the reactions of zinc chloride with 1-propanol and 1-chloropropane, 25:89
  Carbonium ions. XI, 24:13858
  Carbonium ions. XII, 24:13859
  Carbonium ions. XIII, 24:13860
  Liquid-phase thermal decomposition of oxalates, 23:31335
  Relative contributions of hyperconjugation and nonbonded interactions to secondary isotope effects, 21:12400
KARABEKOV, A. Magnetic susceptibility of compounds in Sm—Te system, 25:33453
KARABEKOV, I. P. Beam measurement apparatus for 6-GeV Erevan electron accelerator, 22:32291 (CEAL-2000, pp 360-2)
  Detector for nonrelativistic quarks and heavy single charged particles, 21:30714
  Determination of violation of accelerator parameters on information about lost particle distribution, 21:21333
  Interference resistance of beam pickups in modern accelerators, 21:29807
  Method for measurement of instantaneous values of beam coordinates in an accelerator chamber, 24:15747
  Multipurpose circuit for magnetic field correction in high energy synchrotrons, 24:6797
KARABONOV, N. V. Mechanism of reaction $^{14}N(\alpha,p)^{17}O$ and structure of low lying states of ^{17}O nucleus, 24:30712
KARABOVA, M. Measurement of small angles of scattered particles in a photographic emulsion, 25:42139
KARACHENTSEV, I. D. Absorbing material in clusters of galaxies, 23:36460
  Character of the motion in binary galaxy systems, 25:7094
  Distribution of sculptor-type dwarf systems in Virgo cluster of galaxies, 22:43704
  Division processes and instability of systems of galaxies, 25:30197
  Fission processes and nonstationarity of systems of galaxies, 24:46957
  Hydrogen density in clusters of galaxies, 23:30279
  Nonstationary character of Virgo cluster of galaxies, 22:43712
  Peculiar-velocity dispersion of galaxies, 25:45270
  Some statistical characteristics of superclusters of galaxies, 23:3233
  Statistics of interacting galaxies, 24:46956
  Virial mass-luminosity ratio and the instability of different galactic systems, 23:1151
KARACHENTSEVA, V. E. Sculptor-type dwarfs in galactic clusters, 24:12597
KARACHEVTSEV, G. V. Experimental investigation of the dissociation of excited ions, 21:40884
  Ion source with filament used for studying electron and ion collisions with molecules, 21:28036
  Kinetic energies of protons formed during collision of electrons with excited H_2, 25:55857
  Radiolysis of gases in an electric field. I, 23:17475
KARADJEV, K. V. Statistical analysis of angular distributions of the $^{35}Cl(p,\alpha)^{32}S$ and $^{37}Cl(p,\alpha)^{34}S$ reactions, 22:26950
KARADJOV, D. Model application of a nuclear rotation theory, 24:11057
  Three-dimensional description of nuclear rotation by the method of collective variables, 23:49457
  Two-dimensional soft rotator in a theory of nuclear rotation, 23:49456
KARADZHEV, K. V. Elastic scattering of protons by phosphorus and reactions $^{31}P(p,\alpha_0)^{28}Si$ and $^{31}P(p,\alpha_1)^{28}Si$ in 1.0 to 3.8-MeV energy region, 22:24841
  Possible case of violation of the independence of compound nucleus decay of the input channel spin, 24:52541
  Properties of ^{32}S nucleus excited states, 23:37154
  Properties of ^{36}Ar and ^{38}Ar nuclear levels excited in the capture of protons by Cl isotopes, 21:9990
  Spin mixing in initial channels of reaction $^{31}P(p,\alpha_0)^{28}Si$, 22:48506
  Violation of independence of decay of compound nucleus, 25:5636
KARADZHOV, A. Registration of low β-activities, 22:47323
KARAEV, A. I. Glycogen influence of glycemia during radiation sickness, 22:23623
  Radioprotective action of some antioxidants obtained from petroleum products, 24:39518 (JPRS-50859)
KARAEV, R. Theory of excited states of deformed even—even nuclei, 23:11057
  Theory of excited states of deformed even—even nuclei, 25:28501
KARAEV, Z. Sh. Gallochalcogenides of rare-earth metals, 21:14887
  Standard enthalpy of formation of La_2Te_3, In_2Te_3, and $LaInTe_3$, 21:36932
KARAFIATH, Leslie L. Effect of ultrahigh vacuum on the friction between metals and granular soils, 23:33370
KARAGANOVA, G. I. Activation analysis for investigation of sorption and sublimination properties of high-temperature materials, 24:24
  Applications of neutron activation analysis to measurement of evaporation rate of solids in range of 10^{-7} to 10^{-9} g cm^{-2} sec^{-1}, 23:49754
KARAGEORGE, G. K. 500 liter hydrogen bubble chamber, 23:17799
KARAGEZYAN, A. G. Kramer-effect in rubber, Al, and Cu, 21:7354
  Thermal conductivity of polycrystalline and single crystals of terbium between 1 and 4°K, 23:3078
KARAGEZYAN, A. S. Effects of age on the effects of radiation on seeds of Crepis capillaris, 23:50442
  Radiation effects on seeds, 24:9813
  X-radioprotective effect of ATP and kinetin on plant chromosomes, 24:9877
KARAGIANES, M. T. Radioiodine in sheep and swine, 24:34619 (BNWL-1050(Pt.1), pp 4.14-16)
  Strontium-90-induced bone tumors in miniature swine, 23:45634
KARAGO, L. V. Investigation of complex formation in solutions by determination of magnitude of charge of anionic complexes by ion exchange method, 24:38854
KARAGYOZYAN, A. G. Anomalous thermal conductivity in gadolinium below 4°K, 21:41599
KARAIAN, E. Spent-fuel shipping procedure at MITR, 21:35741
KARAIVANOV, V. D. Critical temperatures of superconducting binary alloys, 24:19850
  Transition temperature of superconducting binary alloys, 23:25263
KARAIVANOV, Veselin Elastic scattering of electrons by xenon atoms, 22:41297
KARAKAD'KO, V. K. Composition of the primary component of cosmic radiation, 22:21964
KARAKHANOV, V. Ya. Experimental investigation of a thermionic converter in the Knudsen mode, 25:47367
KARAKHANYAN, R. A. Dislocation structures of molybdenum deformed by hydroextrusion, 24:8144
KARAKI, Hideaki Calcium-45 uptake and tissue Ca of guinea pig Taenia coli, 23:20086
  Effects of external calcium and some metabolic inhibitors on barium-induced tension changes in guinea pig tenia coli, 22:51383
  Increase in ^{45}Ca uptake during barium-induced contracture in guinea pig taenia coli, 22:49207
KARAKI, S. Prog. rpt. on fluxes of heat, momentum and tracers in wind and water tunnels, annual, 1970—71, 25:51285 (COO-1813-3)
KARAKOZ, I. Mechanism of rejection of tolerated skin homografts, 23:16244
  Protective action of homologous serum component on graft rejection, 24:634
KARAKOZOV, E. S. Mechanism of joint formation in the solid-state welding of Nb/Al oxide composites, 23:27023
  Secondary oxidation of metals after hydrogen annealing, 25:35291
KARAKULA, Shch Theoretical studies of fluctuations in EAS evolution, 24:21914
KARAKULA, Szczepan Properties of the electron and muon components of extensive air showers for different models of high energy interactions, 24:45064 (INR-1162)
KARAKUZIEV, U. Radiation effects on amino acyl-tRNA synthetases and tRNA of cotton plant, 25:29715
KARALOVA, Z. K. Extraction of Ac, 24:31235
  Ion exchange concentration of Th isotopes with simultaneous separation from U, 22:37850
  Measurement of total neutron cross sections of the isotope ^{230}Th in the 0.02 to 50 eV energy range, 21:7815
  Protactinium and U thermal neutron irradiation of ^{230}Th and ^{232}Th, 24:31599
  Separation of U(VI) and U(IV) on sulpho cation exchangers containing various amounts of divinyl benzene, 22:23105
  Separation U(VI) and U(IV) in sulfo-cation exchangers containing various amounts of divinyl benzene, 22:37836 (JPRS-45458, pp 6-10)
  Total neutron cross section of ^{230}Th at thermal energy region, 22:37342 (ITEF-546)
  Total neutron cross section of ^{230}Th in energy region up to 600 eV, 23:44922
KARAM, J. Thyroid scintigraphy using /sup 99m/Tc and ^{131}I, 25:35169
KARAM, J. D. Properties of bacteriophage T4 mutants defective in gene 30 (deoxyribonucleic acid ligase) and the rII gene, 25:26708
KARAM, R. Reactor and neutron physics applications of calibrated neutron sources, 25:50609 (CONF-710402-(Vol.2), pp I.160-5)
KARAM, R. A. 4000-liter UO_2 fast core assembly-6 of ZPR-6, 23:4357
  Analysis for large fast critical assemblies (ZPR-6 and ZPR-9), 21:8034 (ANL-6271(Add.))
  Analysis of dieaway of prompt neutrons, 23:15735
  Analysis of heterogeneity and sodium-void effects in a 2700-liter uranium carbide fast core, ZPR-6 Assembly 5, 25:12825
  Analysis of sodium-void coefficients, 24:33428
  Analysis of the die-away of prompt neutrons with two-group time-dependent solution of the diffusion equations in reflected reactors, 22:5733
  Anisotropic effects in a 4000-liter UO_2 fast core, ZPR-6 Assembly 6A, 25:41518
  Central reactivity worth measurements and calculations, 24:7237
  Central reactivity worths in fast critical assemblies, 24:29057
  Computer-aided calibration of a fine autorod, 23:4329
  Critical mass sensitivity to the treatment of heterogeneity effects in a large UC fast core, Assembly 5 of ZPR-6, 24:7277
  Fluxes intrastructure in a large, plate-type heterogeneous UO_2 fast core (assembly-6, ZPR-6), 23:4334
  Heterogeneity effects in a large uranium—carbide fast reactor, 22:33042
  Large U—carbide fast core, Assembly-5 of ZPR-6, 22:33040
  Measured physics parameters in a zoned fast U carbide core, assembly 4Z, 21:25711 (ANL-7281)
  Measured sodium-void coefficient and fission ratios in a large zoned fast reactor, 21:7923
  Measurement of the spatial distribution of the importance of fission neutrons in a fast reactor, 21:7922
  Normalization integral and spatial distribution of importance of fission neutrons, 23:37743
  Physics measurements in W-based, Al-reflected fast reactors, 21:30090 (ANL-7007)
  Physics parameters of large dilute uranium carbide cores, 21:35676 (ANL-7320, pp 231-6)
  Reactor physics parameters of zoned cores, 21:35684 (ANL-7320, pp 403-20)
  Safety analysis of nominal 3700-liter UO_2 core in ZPR-6 and -9 facility, 23:4298 (ANL-6271(Add.2))
  Sodium void effects in a 4000-liter UO_2 core, Assembly-6 of ZPR-6, 23:37655
  Sodium-void effects in a large uranium—carbide fast reactor, 22:33041
  Zoned-core concépts, 21:38688
  ZPR-9 assemblies No. 6-9 critical experiments, 21:44930 (ANL-7208)
KARAM, Ratib A. Computer-aided calibration of a fine autorod, 23:52497
KARAM, Ronald Preparation of β-molybdenum nitride, 24:30028
  Ternary nitrides of calcium and strontium with molybdenum and tungsten, 24:42139
KARAM, Ronald Edward Ternary nitrides of some alkaline earth metals with molybdenum and tungsten, 24:23513
KARAM, Y. Renal uptake of ^{197}Hg for testing the functional value of each kidney, 24:32092
KARAMANOVA, Zh. S. Beta-fluorescent analysis of binary mixtures of pure metals, 22:50943
  Emission spectra excited in certain metals by β particles of ^{14}C and ^{147}Pm, 22:27844
  Radiation spectra excited by β particles of ^{204}Tl, ^{90}Sr, and ^{90}Y in some metals, 22:13248
KARAMBIS, G. Spark chamber system performance, 21:3281
KARAMCHETI, Krishnamurty Kinetic state of excited gas or plasma interacting with radiation, 23:48898 (AD-689230)
KARAMOURTZOUNIS, G. Radiation sickness and problems of radioprotection, 22:45582
KARAMOURTZOUNIS, J. N. Principles of radiation protection, 23:48074
KARAMYAN, A. T. Determination of distribution coefficient for $(CH_3)_2O.BF_3$ complex exchange-distillation process, 22:4235 (ORNL-tr-1829)
  Determination of partition coefficient for volume distillation process of $(CH_3)_2O.BF_3$ complex, 22:8195
KARAMYAN, S. A. Charge and isotope distributions of the excited nucleus fragments in the high ion reactions, 23:3998 (JINR-P7-4024)
  Charge and isotope distributions of fragments from fission of excited nuclei in reactions with heavy ions, 23:37215
  Chemical analysis by method of large angle scattering of heavy ions, 24:29211 (LIB/Trans-280)
  Effect of the final stage of fission process on distribution of fragment mass and charge distribution, 24:38334
  Effective momenta of inertia of heavy nuclei at the saddle point, 22:1669
  Effective moments of heavy nucleus inertia in saddle point, 21:15568 (JINR-P7-3105)
  Effective moments of inertia of heavy nuclei at the saddle point, 22:18215 (BNL-tr-192)
  Elastic scattering of heavy ions by nuclei, 25:56740 (JINR-P7-5884)
  Estimate of production cross section of transuranic elements in reaction of nuclei fission, 23:25903 (JINR-P7-4339)
  Estimate of the lifetime of the excited compound nucleus in reaction $W(^{22}Ne,f)$ (experiment), 25:53795
  Experiments on measurement of compound nucleus lifetime in $W(^{22}Ne,f)$ reaction, 25:20370 (JINR-P7-5512)
  Fission of compound nuclei in the region $(Z^2/A) > 37$, 24:30804
  Ge(Li) gamma spectrometers for measurement of mass distribution of fission fragments, 23:45539
  Mass distribution of fission fragments of Bi and U nuclei by heavy ions, 22:24857 (JINR-P7-3732)
  Mass distribution of fragments at fission of Bi and U nuclei by heavy ions, 23:8977
  Mass distribution of the fission fragments of the bismuth and uranium nuclei by heavy ions, 23:42908 (ANL-Trans-747)
  Mass distribution of U fission fragments induced by neon ions, 21:40427 (JINR-P7-3424)
  Measurement of a number of neutrons in the fission of nuclei by heavy ions, 24:6884 (JINR-P7-4556)
  Measurement of numbers of neutrons from fission of nuclei by heavy ions, 24:33147
  Nuclear fission into three fragments induced by heavy ions, 21:31824
  Search for super-heavy elements in nature, 24:19531 (JINR-P6-4902)
  Ternary fission of ^{238}U induced by neon ions, 21:5530 (JINR-E7-2924)
  Ternary fission of nuclei induced by heavy ions, 21:12022 (JINR-P7-3063)
KARAMYSHEV, M. I. Ternary systems Gd—(Y, Tb, Dy, Ho, Er, Sc)—Al in region to 25 at. percent rare-earth metals, 25:8886
KARAMYSHEV, V. B. Industrial hygiene problems of working around ultrashort-wave transmitters used in television and broadcasting, 22:28695

- KARANDASHOV, E. A. Effect of trinitrophenylation of myosin on isotopic exchange of oxygen in ATP—$H_2^{18}O$, 25:8248
- KARANDASHOV, V. G. Beam monitoring by recording scattered particles, 25:50214
- KARANDIKAR, D. V. Some characteristics of radio frequency plasmas, 22:31814
- KARANDIKAR, R. V. Interferometric measurements of lambda5577 A emission temperatures in aurora, 22:34434
- KARANDIKAR, S. C. Some observation on the scintillation performance characteristics of sodium iodide thallium activated crystals, 22:30845
- KARANIKOLO, V. F. Recognizing and appraising chromite ores in well sections by means of a combination of nuclear geophysical methods, 25:21187
- KARANJIKAR, N. P. Spectrographic analysis of niobium oxide, 24:46172 (BARC-495)
- KARANOVIC, D. Effect of irradiation on the transformation of peripheral blood lymphocytes, 24:27657
- KARANOVIC, J. Effect of fractionated gamma-ray irradiation on proliferative activity of bone marrow cells, 22:51981
  - Effect of fractionated irradiation on reproductive capacity of bone marrow cells in fasted rats, 22:51984
  - Effect of irradiation on the transformation of peripheral blood lymphocytes, 24:27657
- KARANOVIC, Jovo Effect of fractionated irradiation on changes in the bone marrow of rats, 21:20379
  - Effect of fractionated irradiation on peripheral blood, 24:27696
  - Effect of gamma irradiation on proliferation and differentiation of primitive hematopoietic cells of chick embryos, 21:20378
  - Effect of irradiation on erythropoiesis of rats, 24:866
  - Effects of γ radiation on chick embryos, 22:6907
  - Erythroid regeneration in locally irradiated bone marrow of plethoric rats, 22:38470
  - Radiation effect upon survival of rats, 23:14254
- KARAPETYAN, G. O. Color centers in neodymium-containing glasses, 22:9446
  - Investigation of action of ionizing radiation on glasses activated by successive metals, 24:2230
  - Optical and EPR spectra of gamma-irradiated phosphate glasses, 21:31487
  - Spectral-kinetic characteristics of uranyl ion in glass, 24:30144
- KARAPETYAN, Sh. V. Concentration of ^{90}Sr in foodstuffs and its dietary intake among population of Armenian SSR, 1963—67, 24:25472 (A-AC-82/G/L-1297)
- KARAPETYAN, V. A. Scintillation spectrometer for the determination of the mass values and the energy spectra of elementary particles, 23:41047
  - Spectrometric scintillation counter, 22:36089
  - Spectrometric scintillation counter, 22:38083
- KARAPETYAN, V. V. Characteristics of levels excited in (n,p) reactions on heavy nuclei, 24:8917
  - Photodisintegration of ^{15}N nucleus, 21:21437 (JINR-P4-3177)
- KARAS, G. G. Genetic variation in a measure of avoidance learning in swine, 21:28459
  - Partial acquisition and extinction of an avoidance response in two breeds of swine, 21:24588
- KARAS, R. H. Auroral x-ray pulsations in the 1.2- to 4-second period range, 25:40471
  - Magnetospheric substorms on Sept. 14, 1968, 25:56025
- KARAS, Richard Energy spectra of precipitating electrons from observations of optical aurora, bremsstrahlung x rays, and auroral absorption, 24:45099
- KARAS, Richard H. Particle bombardment of polar atmosphere, 24:37304 (AD-702854)
- KARAS, V. L. System for the measurement of the energy spectrum of the electron beam of a linear accelerator, 22:44565
- KARASAWA, Koreyoshi Effects of γ-ray irradiation on sliding friction and wear of polytetrafluoroethylene base bearing, 24:10215
  - Sliding friction and wear of polytetrafluoroethylene ball bearing. I, 23:39070
- KARASAWA, T. Multicharged heavy ion source for the IPCR cyclotron, 23:13155
  - Preparation of anhydrous $H^{18}F$, 22:12368
  - Preparation of RI sources by IPCR cyclotron, 24:31453
  - Studies of radiation chemistry and biology with the IPCR 160 cm cyclotron, 25:16042
- KARASAWA, Takashi Acceleration of multicharged heavy ions in 160-cm cyclotron, 24:35768
  - Affinity of ^{15}O and ^{16}O to hemoglobin, 21:10757
  - Charge exchange of carbon and nitrogen ions in nitrogen gas, 25:14001
  - Circular trimming coils mounted on magnet pole faces, 23:52081
  - IPCR cyclotron, 22:5691
  - LET effects in Micrococcus radiodurans irradiated with α—particles, 25:24473
  - Nuclear physics using heavy ions. II, 24:38036
  - Radiation chemical studies with cyclotron beams. I, 24:20801
  - Radiation chemical studies with cyclotron beams. II, 25:6366
  - Repair of double-strand scissions in DNA of M. radiodurans after alpha bombardment, 25:24480
- KARASEK, F. J. Fabrication of V—Ti—Cr alloy fuel cladding for LMFBR applications, 22:4753
  - Vanadium alloy screening studies and fabrication of V—15 wt. percent Ti—7.5 wt. percent Cr tubing, 21:14799 (ANL-7206)
- KARASEK, J. Kinetics of the tumour growth and time factor in the radiotherapy, 25:29680
- KARASEV, A. L. Radiolysis of acetone. II, 22:33425
  - Radiolysis of acetone. III, 23:4696
  - Radiolysis of acetone. V, 24:41370
- KARASEV, B. G. Experimental study of direct-current MHD generator, 21:35059
  - MHD channel running regimes, 23:12628
- KARASEV, B. V. Separation of ^{131}I from natural Te by vacuum evaporation—condensation method, 21:28063
  - Separation of carrier-free /sup 125m/Te and separation of tin from microquantities Sb, Te, and In by means of vacuum evaporation method, 22:14573
- KARASEV, G. V. Simulation of start-stop processes of nuclear reactors, 21:42769
- KARASEV, N. M. Mass spectrometric investigation of composition of vapor over TiC—C and ZrC—C systems, 22:13066 (LA-tr-67-91)
  - Mass-spectrometric study of vapor composition over TiC—C and ZrC—C systems, 21:36931
- KARASEV, V. E. Luminescence spectra of crystals of uranyl fluoride at 77°K, 24:38866
- KARASEV, V. F. Method for determining γ field variations at the atmosphere layer, 23:6224
- KARASEV, V. P. Calculation formulas and graphic technique for Clebsch—Gordan coefficients of SU(n) groups, 22:39449
  - Clebsch—Gordan coefficients of the SU(n)-group, 21:17141
  - Relation of Clebsh—Gordan coefficients of different SU(n) groups and symmetries of physical systems, 23:3769
- KARASEV, V. S. Dosimetry of neutron radiation from reactor, 24:33830
  - Effect of neutron irradiation on some thermophysical characteristics of metals, 24:4825
  - Effects of reactor irradiation on time—temperature dependence of the strength of polymerides, 22:33390
  - Energy of radiation defect clusters in neutron-irradiated copper, 24:45331
  - Experimental study of irregularity in thermal neutron flux at surface of absorbing material by means of a calorimetric device, 21:39194
  - Investigation of irradiation effects in titanium and chrome carbides, 21:3561
  - Investigation of the calibration characteristics of a radiation thermodiverter in high-intensity fields of ionizing radiations, 25:57879
  - Perturbation of neutron fluxes by absorbing materials, 24:33831
  - Physical properties of neutron irradiated molybdenum, 24:12449
  - Quasi-stationary calorimetric method of dosimetry of powerful fluxes of ionizing irradiations, 21:22180
  - Radiative dispersal and damage to metals in radiation field. II, 24:32475
  - Radiative dispersal and damage to metals in radiation field. I, 24:32476
  - Radiative sputtering of copper single and polycrystals in the radiation field of a nuclear reactor, 24:3453
  - Stored energy in neutron-irradiated metals, 23:1014
  - Vacancy mechansim of the accelerated failure of materials at irradiation under stress, 21:24816
- KARASEVA, E. V. Extraction in the system $Nd(NO_3)_3$—HNO_3—H_2O—$(C_4H_9O)_3PO$, 24:9467
- KARASEVA, L. G. Mass-spectrometric investigation of products from the thermal decomposition of gamma-irradiated strontium sulfate, 23:17481
  - Nature of radiation-caused disturbances in irradiated specimens of potassium sulfate, 22:23059
  - Radiative disturbances in radioactive and gamma-irradiated specimens $CaSO_4$, $SrSO_4$, and $BaSO_4$, 21:24038
- KARASHIMA, S. Solution softening in Fe—Mo alloys, 25:35374
- KARASHIMA, Seiichi Flow stress and dislocation structures in polycrystalline molybdenum, 24:32389
  - Stress dependence of high-temperature creep in Fe—Mo and Fe—Co alloys, 25:35464
  - Transmission electron microscopy of Mo deformed in the temperature range 20 to 940°C, 24:48858
  - Yield stress in Fe—7 at. percent Mo alloy, 23:51050
- KARASHOKOV, K. E. Structure of electron beams, 25:43736
- KARASIK, A. S. Analysis of afterpulses in CO_2 counters, 21:1601
  - Delay time of pulses in CO_2 counters, 22:36063
  - Gas-filled counter with quartz walls, 21:291
  - Solid-state construction for discharge quenching in Geiger counters, 25:29334
- KARASIK, E. E. Obtaining a protective aluminum coating on titanium and zirconium, 22:21679
- KARASIK, N. Ya. Cermet microstructure in Mo—ZrO_2 and W—ZrO_2, 22:763
- KARASIK, V. R. Critical current in alloys with rigidly pinned vortex lattice, 23:36620
  - Critical currents in superconducting alloy, 23:18536
  - Critical currents in surface superconducting layer, 23:18533
  - Device for investigating critical current in superconductors, 21:9520
  - Experimental investigation of the surface superconductivity of niobium, 21:41964
  - Influence of the purity of superconducting niobium on the shape of the magnetization curve, 23:18544
  - Instabilities in current flow in Ti—22 at. percent Nb, 25:7338
  - Longitudinal critical currents in superconducting alloys with Ti and Zr as the base metals, 24:45184
  - Magnetization of the superconducting alloy Ti—22 at. percent Nb, 25:3027
  - Procedure for measuring the critical parameters of superconductors for alternating current, 21:9481
  - Production and investigation of niobium-zirconium alloy superconducting wire, 21:9092
  - Similarity of longitudinal and transverse critical currents in superconducting alloys, 23:48870
  - Solenoid prepared from niobium—titanium alloy, 21:9519
  - Solenoids of unstabilised superconducting cable, 23:20870
  - Superconducting properties of pure niobium, 24:12755
  - Superconducting solenoids from niobium and zirconium alloys, 21:9479
- KARASNE, Tamas Zsuzsa Geophysical well logging in iron ore exploratory drillings, 21:6090
- KARASOVA, L. Radiolysis of alcohols at low temperatures. II, 24:29345
- KARASSIK, I. J. Feeding pumps for nuclear plants, 21:15683
- KARASSIK, Igor J. Nuclear reactor feed pumps profit from fossil-plant experience, 21:30188
- KARASUNO, T. Forward K—N scattering and new interference model, 24:13091
  - Pomeron exchange, the s-channel spin-nonflip amplitude and the existence of the Z*, 25:33738
- KARASUNO, Toshiaki Duality and p—p (anti p—p) elastic scattering, 24:8678
  - K—N (anti K—N) scattering based on new interference model, 24:49500
- KARASYUK, V. N. Production of pulsed megagauss fields by compression of metallic cylinder in Z-pinch configuration, 22:31782
- KARASZ, F. E. Deuteration and solvent composition effects in the helix-coil transition of poly-γ-benzyl-L-glutamate, 21:17646
- KARATAEV, V. D. Device for studying electron backscattering from layers of materials, 25:18823
  - Inspection of the laminates with the beam of electrons, 25:26542
- KARATAEV, V. I. Chromatic aberration in a mass spectrometer with stepped homogeneous magnetic field, 22:36142
- KARATCHENTZEFF, M. Neutrinoproduction of pions near the first resonance, 25:53126
  - Suggested inverse electroproduction experiment near the N*(1236) resonance, 25:25420
- KARATOTEVA, T. Operation of self-quenching G—M counters, 24:22998
  - Stabilization of conditions of work of self-quenching G—M counters, 23:628
- KARAULOV, A. G. Effect of high-temperature gas current on refractories of zirconium dioxide, 22:49782
  - Effect of phase composition of the thermal stability of zirconium dioxide, 22:34091
  - Effect of the phase composition of zirconium dioxide on its thermal stability, 22:8841
  - Effects of prolonged isothermal treatment on properties of ZrO_2 refractory material, 22:52279
  - Investigation of volatilization of MgO and ZrO_2 in oxidizing atmospheres, 25:58345
  - Strength characteristics of granular zirconia refractories at temperatures up to 2500°K, 22:11059
  - Thermal expansion of stabilized zirconium dioxide, 23:39056
- KARAVAEV, E. I. Quantization of electromagnetic field in magnetoactive media, 21:42207
- KARAVAEV, F. M. Calibration of reference gamma sources, 21:1624
  - Calibration of reference γ-ray sources, 24:16839 (UCRL-Trans-10427)
  - Methods of radioactivity metrology in the USSR, 21:5823
  - Methods of radioactivity metrology in USSR, 24:16840 (UCRL-Trans-10429)
  - Official standards and indexes for measuring ionization radiation, 22:12491
  - Preparation of gas samples from carbonates and their solutions for measurements of activity of ^{14}C, 25:57358
  - Standardization of methods for checking gamma sources, 24:382
  - State standards and basic reference installations in the field of ionizing radiations, 22:51586
- KARAVAEV, M. M. Thermal decomposition of some nitrates, 22:35768 (AEC-tr-6939)
- KARAVAEV, V. M. Protection of animals against injury by nuclear weapons, 25:58026
  - Veterinary-sanitation assessment of radiation injury effects on animal breeding, 22:45537
- KARAVAEVA, E. N. Effects of soil moisture on distribution of ^{35}S in chemical compounds of pea and pine plants, 24:7715
  - Influence of soil moisture on ^{35}S, ^{60}Co, and ^{90}Sr in soil-plant system, 24:7775
- KARAVAEVA, S. D. Isolation of Re from solution, 23:38090
- KARAVAEVA, V. V. Effects of temperature on resistance to deformation of nickel—molybdenum and nickel—tungsten alloys, 24:51169
- KARAVAN, Yu. V. Mass-spectrometric investigation of radiolysis of NaCl crystals, 25:40777
- KARAVANOV, V. S. Frequency spectrum of cosmic radio emission in 10- to 207-MHz range at high galactic latitudes, 22:26148
  - Frequency spectrum of distributed cosmic radio emission in range from 6.3 to 40 MHz, 23:25048
- KARAYANNIS, M. Liquid scintillation counting of thorium, protactinium, and neptunium, 23:625
  - Standardization of alpha-emitters by liquid—scintillation counting, 21:6199 (JUL-411-PC)
- KARAYANNIS, N. M. 2,6-lutidine N-oxide adducts with some heavy metal tetrachlorides, 24:46224
  - Complexes of diisopropyl methylphosphonate with metal salts containing complexing anionic groups, 24:16507
  - New complexes of triphenylphosphine oxide with metal perchlorates, 24:41258
- KARAYANNIS, Nicholas M. Apparatus and materials for hyperpressure gas chromatography of nonvolatile compounds, 22:45155
- KARAYIANIS, N. Linear vector space theory of unfolding, 24:21006
- KARAYIANIS, Nick Analysis of unfolding gamma-ray spectra measured by Compton-diode detectors, 24:16872 (AD-695646)
- KARAZIJA, R. Numerical solution of Hartree—Fock equations, 24:20019
- KARAZIN, Tamara Effects of radiation on cell membrane and on reproductive survival of yeast, 23:6617

- KARAZIYA, R. I. Calculation of two-electron matrix elements for the magnetic interaction operators in atoms, 23:48754
  - Effect of second-order relativistic corrections in the cases of complex electronic configurations, 25:4971
  - Matrix elements of spin—orbit interaction energy operator for open shell of atomic electrons, 22:21863
  - Tables for the calculation of matrix elements of operators of atomic quantities, 22:13213 (ANL-Trans-563)
  - Theoretical calculation of energy levels for rare earth element ions, 25:58709
- KARB, E. Safety report on cold neutron source at FR2, project FR2/16, 23:7402 (KFK-818)
- KARB, Erich H. Reaction of liquid hydrogen with liquid air in a pressure tube, 23:9197 (KFK-789)
- KARBAN, O. Acceleration of ^{3}He^{++} ions in U-120 cyclotron, 22:15882 (UJV-1898)
  - Acceleration of protons in U-120 cyclotron, 21:44476 (UJV-1848)
  - Collective-model analysis of inelastic proton scattering using potentials derived from nuclear matter distributions, 25:53717
  - Elastic scattering of 12 MeV deuterons, 24:38188
  - Elastic scattering of 30.3-MeV polarized protons from ^{40}Ca, ^{56}Fe, and ^{59}Co, 25:34016
  - Elastic scattering of 4.3- to 5.1-MeV polarized protons by neon, 21:21498
  - Elastic scattering of polarized protons from ^{58}Ni, ^{120}Sn, and ^{208}Pb, 25:3636
  - Elastic scattering of protons by ^{16}O in energy range 16 to 30 MeV, 23:39968
  - Energy variation of ^{120}U cyclotron, 21:17219 (UJV-1640)
  - External ion source for U-120 cyclotron with double charge exchange, 21:44475 (UJV-1825)
  - Iron-54, ^{58}Ni(p,p) and (p,p'γ), 25:3613
  - Microscopic analysis of 30.3-MeV inelastic proton scattering by light nuclei, 25:53646
  - New form of exploitation of cyclotron U-120, 22:29810
  - Polarization effects in the ^{88}Sr(d,p)^{89}Sr reaction, 24:43279
  - Polarization effects in the reaction ^{6}Li(d,α)^{4}He, 23:1815
  - Polarization in ^{11}B(p,p) and ^{11}B(p,p') at 30.3 MeV, 23:42868
  - Polarization in ^{11}B(p,p') at 30.3 MeV, 24:43142
  - Polarization in the elastic scattering of 12.3 MeV deuterons, 24:43248
  - Polarization transfer in reaction ^{28}Si(d,p)^{29}Si, 25:53724
  - Radial injection of a polarised beam into a cyclotron, 25:31153
  - Resonance effects in proton—oxygen elastic scattering, 24:43153
  - Scattering of polarized protons by ^{54} ^{56}Fe, ^{58}Ni, ^{120}Sn, and ^{208}Pb, 24:52518
  - Scattering of polarized protons by neon, 21:23451
  - Scattering of polarized protons by neon, 21:44602 (UJV-1596)
  - Sodium-21 levels from scattering of polarized protons by neon, 21:44603 (ZFK-122, pp 176-82)
  - Stripping reactions and elastic scattering of 12 MeV vector polarized deuterons on ^{9}Be and ^{12}C, 25:38890
  - Tensor analyzing powers of reactions ^{12}C(d,d) and ^{12}C(d,p)^{13}C, 25:53656
  - Vector analyzing power of (d,p) reaction on ^{28}Si, ^{52}Cr, and ^{88}Sr at 12 MeV, 25:34058
- KARBAN, Oldrich Energy and monochromaticity of U-120 cyclotron beam, 21:21336
- KARBE, M. Blood supply to skin grafts as affected by detrimental and promoting factors, 25:24200
- KARCHAVA, G. Control rod calculation with perturbation theory, 25:37136 (UARAEE-66)
  - Critical mass calculation for UA-RR-1, 25:37078 (UARAEE-67)
  - Effect of different reflectors on UA-RR-1 reactor core characteristics, 25:37080 (UARAEE-73)
  - Numerical calculations of K/sub eff/ and neutron fluxes in 2 and 3-group approximations using IBM-1620 code, 25:37126 (UARAEE-89)
  - Numerical study of fast neutron spectra in UA-RR-1 reactor core and reflector, 25:37079 (UARAEE-71)
  - Reflector spectrum calculation, 23:31226
  - Thermal utilization calculation with new asymptotic diffusion theory, 25:37119 (UARAEE-64)
- KARCHAVA, G. A. Criticality evaluation of hydrogeneous enriched lattices using a three group model, 25:37124 (UARAEE-84)
  - Effect of non-uniform burn up on reactor lifetime, 25:37081 (UARAEE-83)
  - Physical characteristics of water-moderated water-cooled reactor, 22:20812 (FEI-88)
  - Physical characteristics of water-moderated water-cooled reactor with burnable poisons, 22:42355 (ANL-Trans-637)
  - Study of highly enriched U—H_2O deep subcritical systems, 22:44905
  - Theoretical study of effect of temperature on reactivity of EK-10 type reactors applying three-group theory, 25:37138 (UARAEE-105)
- KARCHAVA, T. A. Absorption of sound in ^{3}He—^{4}He solution, 24:3288
  - Propagation of sound in narrow channels in ^{3}He—^{4}He solution, 23:5350
  - Sound absorption in superfluid under damping of normal component, 24:35346
- KARCHER, K. H. Occupational skin diseases caused by ionizing radiation, 22:25983
- KARCHER, Karl H. Change of metabolism during radiotherapy under hyperbaric oxygen, 24:4644
- KARCHER, R. H. Application of track-length distribution biasing in Monte Carlo deep-penetration calculations, 22:17720
  - Neutron air-transport data for the design of protective structures, 21:21376
  - Prog. rpt. on reliability analysis of nuclear power plant protective systems, 22:10000 (HN-190)
  - Shielding effectiveness of soils against initial radiation, 21:2280 (HN-186)
  - Shielding effectiveness of soils against initial radiation, 21:36190
  - Simplified computational method for initial radiation shield design, 22:4393
  - Track-length stretching as a Monte Carlo biasing technique in deep-penetration calculations, 21:7319
- KARCHER, T. Heavy particles in semiconductor detectors, 22:22202 (NYO-2962-6, pp 55-62)
  - Response of silicon surface barrier detectors to heavy ions, 25:37612
- KARCHER, W. Catalytic influence of different metals on corrosion rate of graphite. project dragon, 24:51191 (DP-Report-332)
  - Process for the prevention or reduction of carbon deposits on metal surfaces in a nuclear reactor, 23:49561
- KARCHER, Walter Process for the prevention or reduction of carbon deposits on metal surfaces in a nuclear reactor, 25:24564
- KARCHES, G. J. Cesium-137 body burdens and biological half-life in children at Tampa, Florida, and Lake Bluff, 23:31770
- KARCHES, Gerald J. Measuring thyroidal uptake of ^{131}I, 21:20261
  - Radiological surveillance studies at a boiling water nuclear power reactor, 24:26708 (BRH/DER-70-1)
- KARCHEVSKAYA, N. I. Investigation of the martensitic transformation in N18K8M3T alloy, 21:24798
- KARCHEVSKII, A. F. Effect of loss of blood on general reactivity of the organism after irradiation, 22:6871
  - Peculiarities of the permeability of vascular-tissue barriers of rabbit internal organs in acute radiation disease combined with bleeding, 22:28570
- KARCHEVSKII, A. H. Beam instability (sharp discontinuities) of plasma currents, 22:3137
- KARCHEVSKII, A. I. Beam instability of current, and plasma heating by electron beam produced in linear discharge, 24:28262
  - Characteristics of a toroidal discharge at low plasma density, 21:18648
  - Energy balance and dynamics of plasma heating by a beam of electrons accelerated in a straight high-current discharge, 25:38352 (CONF-710607-69)
  - Heating mechanism of plasma during development of beam instability, 23:51593
  - Injection of plasmoids into a mirror trap, 21:27120 (UCRL-Trans-1282(L))
  - Investigation of plasma heating under conditions of beam instability in a linear discharge, 21:37413
  - Plasma heating by an electron beam produced in a turbulent linear discharge, 24:1369
  - Thresholds of two-stream instability of current in a straight discharge, 25:49920
- KARCHEVSKII, Zh. Relationship between irregular geomagnetic field pulsations and the pulsations of auroras, 23:32257
- KARCZ, W. Ion focusing properties of a double magnetic quadrupole lens pair, 22:22484 (INP-579/PL)
  - Polarization measurements on (d,p) stripping reactions, 25:53654
  - Polarization of protons from ^{12}C(d,p)^{13}C reaction at E/sub d/ = 12.4 MeV, 25:12377 (INP-711)
  - Polarization of protons from ^{12}C(d,p)^{13}C reaction at E/sub d/ = 12.4 MeV, 25:20287
  - Reaction (α,d) on ^{40}Ca nuclei, 21:5501 (INP-478/PL)
  - Study of (α,d) reaction on ^{40}Ca nuclei, 21:19215
- KARCZ, Waldemar Ion focusing of double magnetic quadrupole lens pair, 22:50498
- KARCZEWSKI, Jean Francois Electromagnetic and light emissions during magnetic substorms, 23:46389
- KARCZEWSKI, Jean-Francois Simultaneous recording of resonances of the earth-ionosphere cavity at two stations 12,000 Km distant, 21:16038
- KARDASH, A. A. Formation of secondary particles in IHEP accelerator, 24:30608 (CERN-Trans-70-2)
  - System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
- KARDASH, A. V. Cerium—iron—silicon system, 24:48852
- KARDASHEV, A. V. Changes in the properties of fresh fish under the effect of gamma rays, 21:34841 (JPRS-41012)
  - Radioactivity of Marine life of far Eastern seas in 1958 following nuclear weapons testing, 21:8807 (AEC-tr-6641, pp 105-14)
  - Sterilization of preserved fish by gamma radiation, 21:26736
  - Use of ionizing radiation in food technology, 25:52283 (A/CONF.49/P-696)
- KARDASHEV, N. Lemaitre's universe and observations, 22:11132
- KARDASHEV, N. S. Pulsars and nonthermal radio sources, 25:7006
  - Study of the structure of radio sources, 25:43064
- KARDASHEVSKAYA, V. G. Production and properties of single crystals of refractory metals and alloys, 23:8146
- KARDON, B. Gamma—gamma angular correlation measurements in the ^{59}Co/n,γ/^{60}Co reaction, 25:34010 (KFKI-71-14)
  - Gamma—gamma angular correlations in the ^{32}S(n,γ)^{33}S reaction, 21:4246
  - Gamma-ray spectra from ^{163}Dy(n,γ)^{164}Dy reaction on neutron resonance capture, 24:47618
  - Measurement of cross section isomeric ratios on Xe isotopes, 23:47025
  - Scintillation NaI(T1) gamma spectrometer with a ring guard crystal, 25:21425
  - Spectrum of γ rays produced during thermal neutron capture by sulfur nuclei, 24:18394
- KARDON, Bela g-factor measurement by the method of differential perturbed angular correlation, 21:27608
- KARDONOV, B. A. Filler wire for welding heat-resistant alloys, 23:48374
- KARDONSKII, V. M. Aging of Fe—Mo and Fe—Mo—Si alloys, 24:14722
- KARDONSKY, Stanley ^{40}Ar(n,α)^{37}S reaction at 14.4 MeV, 25:56718
  - Nuclear reactions of ^{12}C, ^{20}Ne, and ^{40}Ar induced by 14-MeV neutrons, 25:17818
  - Reactions of ^{20}Ne with 14.3-MeV neutrons, 25:56717
- KARDOS, G. Response of metals to high strain rates, 21:22862 (NP-16566)
- KAREEV, Yu. Parameters of MHD-generators taking into account ionization instability of plasma, 23:18470 (AD-672686)
- KAREEV, Yu. A. Parameters of MHD converters, 22:5179 (CEA-tr-R-1901)
- KARELIN, E. A. Methods for separation and refining of transuranium elements, 25:51568 (A/CONF.49/P-689)
- KAREPETYAN, V. V. Positive parity levels in ^{15}N, 21:23412 (JINR-P4-3178)
- KARETA, N. L. Welding of graphitic carbon substances, 22:15242
- KARETNIKOV, D. V. Electron distribution function in a Knudsen-discharge plasma in Ar, 25:7370
  - Ion gun 650 mA, 22:32386
  - Status and trends in the development of thermionic converters, 24:23844 (JPRS-50142)
- KARETNIKOV, V. G. Electrospectrophotometry of selected stars, 24:12514
  - Photoelectric photometry of DY Pegasi, 22:8981
  - Spectrophotometry of RZ Scuti, 21:33099
- KARETNIKOVA, N. A. Cylindrical condenser method for studying energy distribution of electrons emitted from molybdenum bombarded by ions and inert gas atoms, 21:39804
- KARETSKAYA, S. P. Aberrations of three-electrode transaxial cylindrical lenses, 25:50584
  - γ rays accompanying decay of ^{109}In, 25:31320
  - Studies of ^{197}Hg and ^{197m}Hg γ emissions, 22:35351
- KAREV, V. I. X radiation from moon recorded by Luna-10, 21:37325
  - X-ray emission of the moon with help of AMS "LUNA-10", 21:37197 (N-67-18741)
- KAREV, V. N. Boride coatings on Mo, 22:4854
  - Determination of oxygen in beryllium by neutron activation method, 23:13681
  - Determination of Sb in Bi—Sb alloy by method of neutron-activation analysis, 23:28759
  - Electrolytic method for production of metal foils for nuclear investigations and thickness measurements, 25:22036
  - Preparation of isotopic lead and bismuth targets for nuclear investigations, 21:13773
  - Preparation of Mo and Re foils for nuclear studies, 21:6780
  - Preparation of thin films of V, Nb, and Ta for nuclear investigations, 23:20483 (ORNL-tr-2108)
  - Thin films of rare-earth metals, 25:22035
  - Thin films of V, Nb, and Ta, 25:22034
- KARFUNKEL, U. Lifetimes and gamma transitions in ^{19}O, 25:14905
  - Lifetimes of first two excited states in ^{29}P, 24:1789
- KARG, A. V. Electron metallography techniques applied to body-centered-cubic metals and alloys, 22:2661
- KARG, H. Determination of testosterone in peripheral blood of swine and bovines with a double isotope derivative dilution method, 25:10923
  - LH radioimmunoassay in bovine blood serum, 24:27491
  - Radioimmunoassay of luteinizing hormone and of prolactin, 24:21053
  - Studies on prolactin in cattle blood using a radio-immunological method of treatment, 24:50665
- KARG, Heinrich Specificity of radioimmunoassay for determination of luteinizing hormone in bovine blood, 24:21052
- KARGE, H. Investigation of ^{6}Li(^{6}Li,n)^{11}C reaction with threshold energy of 1.9 MeV, 23:21269 (ZFK-130, pp 170-3)
  - Investigation of reaction ^{16}O(n,α)^{13}C with 14.1-MeV neutrons, 23:21265 (ZFK-130, pp 148-51)
- KARGENT, K. A. Geologic report on Ue13a drill hole, eastern Belted Range, Nye County, Nevada, 23:43403 (USGS-474-29)
- KARGER, F. Charge-carrier losses in a weakly ionized stationary direct-current plasma in a toroidal magnetic field, 21:42025
  - Drift losses in a magnetized helical glow discharge, 23:42343
  - High temperature plasma with a cold gas blanket in a toroidal magnetic field, 22:50143 (IPP-6/67)
  - High-temperature plasma with a cold gas blanket, 23:32425
  - Particle loss mechanisms in weakly ionized toroidal magnetoplasma, 21:20913 (IPP-2/56)
  - Toroidal weakly ionized magnetoplasma. II, 22:17614
  - Toroidal weakly ionized magnetoplasma. I, 22:17613
- KARGER, W. Sparking measurements in a single gap cavity, 25:50415
- KARGIN, A. N. Attenuation of a high-energy neutron flux in a cylindrical duct, 25:22945
- KARGIN, V. A. Application of the method of radiothermoluminescence for the investigation of high-temperature relaxation in polyethylene, 25:18435
  - Effect of complexing agents on polymerization of allyl monomers, 21:17662
  - Effect of complexing agents on the polymerization of allylic monomers, 21:23997
  - Electron microscopic study of solid phase polymerization, 21:24003
  - Ion exchange membranes of grafted copolymerized sodium styrenesulfonate to fluorinated polymer films, 25:6359
- KARGUTH, K. Definition of toxic thyroid adenomas, 25:13594
- KARHAUSEN, L. Dosimetry of the gastro-intestinal tract, 25:19141
  - Mathematical model for GI tract dosimetry, 22:49333
- KARHAUSEN, L. R. Fate of iodine radioisotopes in infants and adolescents and resulting radiation exposure, 24:48369 (CEA-CONF-1551)

KARHAUSEN, Lucien Mathematical model for gastrointestinal tract dosimetry, and its application to adults, 23:29497 (CEA-R-3707)
Mathematical model for gastrointestinal tract dosimetry: application to adults, 23:50480 (ORNL-tr-2231)
KARHUVAARA, Yrjo S. Radiation exposure in jaw orthopantomography, 24:32001
KARI, C. Toxic and radioprotective effect of cysteine on E. coli cells, 24:50952
KARI, Cs. Analysis of the radioprotective effect of cysteine on Escherichia coli strains, 25:4554
Metabolic radioprotective effect of cysteine on E. coli B, 23:31997
KARI, R. E. Ab initio SCF—MO—CI calculations for H^-, H_2, and H_3^+ using Gaussian basis sets, 24:37197
KARIAN, Harutun George Tight-binding energy bands of perovskite type transition metal oxides, 24:38663 (IS-T-371)
KARIKA, Gy. Effect of laser beam on micromotility, 24:51049
KARIKA, S. Spleen scintigraphy in malignant lymphomas, 24:4655
KARIKA, Zsigmond Clinical importance of the profile scanning, 21:22489
KARIKH, F. G. Increase of plasmatron operating stability, 22:9393
KARIM, A. Theory of diffusional flow with apparent non-Newtonian viscosity in fine-grain materials, 25:16489
KARIM, A. Q. M. B. Interaction of Fe and Mn uptake of P in rice plants by radioisotope technique, 21:26368
KARIM, Anwar-ul Diffusional flow in hydrided Mg—0.5 Zr alloy, 24:2959
Superplasticity in W—Re alloys, 24:25694
KARIM, F. Calibration of 500 curie ^{60}Co source, 22:10498 (AECD/HP-6)
Calibration of a 520 Ci ^{60}Co source, 23:9764
KARIM, H. M. A. Coprecipitation of Cr(VI), W(VI), and U(VI) tracers with lead molybdate and molybdenum 8-hydroxy quinolate, 22:48858
KARIM, Mesbahul Prog. rpt., annual, 7/68—6/69, 24:36639 (AECD/MISC-2)
KARIMAEKI, V. Evaluation of volume of phase space of N particles, 25:50085
KARIMOV, I. Lattice-dynamical investigation of the hydrides CeH_2, CeH_3, ThH_2, and $UH_{2.7}$ using inelastic scattering of cold neutrons, 22:5440
Phonon spectra of CeH_2, CeH_3, ThH_2, and $UH_{2.7}$ by means of inelastic scattering of cold neutrons, 21:25832
KARIMOV, I. A. Helium multiwire detector for thermal neutrons, 24:14262
KARIMOV, R. Correlations of characteristics of nuclear spallation products with their fragments, 23:13316
KARIMOV, S. N. Effect of gamma-radiation on process of oxidation of polyethylene as determined by infrared spectroscopy, 23:28868 (AD-683534)
Gamma ray-induced disorientation of polymer molecules, 25:58417
IR-spectroscopy studies of γ-radiation effects on the crystallinity of poly(vinyl alcohol), 25:2220
Stability changes in polystyrene irradiated with gamma radiation, 25:47194
Thermo-oxidation degradation of poly(vinyl alcohol) irradiated by γ rays, 25:10591
KARIMOVA, R. Calculation of correlations between characteristics of evaporated products from nuclear disintegration with fragments, 22:24908
Correlations of characteristics of nuclear spallation products with their fragments, 23:13316
KARIN, S. Automated modular light water reactor calculation code package, 25:57172 (CONF-710302-(Vol.2), pp 983-90)
KARIN, Sidney Parameterization of spectrum-averaged thermal cross sections, 24:33098
KARIOTIS, A. H. Prog. rpt. on lightweight cryogenic insulating system, final, 6/30/64—5/31/66, 21:31350 (N-66-30857)
KARITA, Y. Behavior of He gas bubbles in neutron-irradiated Be, 24:14855
KARITANI, Yoshiaki Mechanism of interphasic death in radiation damage, 25:58084
KARITSKAYA, E. A. Peculiarities in distribution of quasistellar objects, 24:42416
KARITSKAYA, E. M. Estimating mass of quasi-stellar objects and galaxy nuclei, 25:19364
KARIYA, Beverly Detection of reverse mutations at the mtr locus in Neurospora, 24:14470
Intragenic recombination at the mtr locus of Neurospora, 24:14474
KARIYA, Tadaaki Three-pion decays of eta and K and the final state interactions, 23:8780
KARIYONE, Shigeo Leukemia in radiological workers and in patients (West Japan), 24:32254
KARJALAINEN, P. Dose distributions of high-energy electrons, 23:50501
Effect of anatomical irregularities on the dose in electron beam therapy, 22:51578
KARKER, S. Marviken: Sweden's second power reactor in construction, 21:42765
KARKER, Stig Rutger Pipe joint, 22:49695
KARKHANAVALA, M. D. Electrical properties of U oxides. II, 21:2306
Electrical properties of U oxides. III, 21:11306
In-reactor electrical resistivity measurements on thorium dioxide, 24:21442 (BARC-436)
Kinetics of release of xenon from sintered (ThO_2—0. 1 percent UO_2) pellets, 25:23582 (BARC-513)
Kinetics of thermal decomposition of UO_3. II, 25:23563
Post-irradiation thermal release study of fission gases from fuel pellets, 25:40128 (BARC-538)
Structural considerations in surface reactions with uranium oxides, 22:22988 (BARC-307)
System UO_2—ThO_2—O_2. I, 25:31942
System UO_2—ThO_2—O_2. II, 25:31943
KARKHOV, A. N. Confinement of dense turbulently heated plasma in Ogra-2T device, 25:38346 (CONF-710607-54)
Electron heating mechanism during electron beam interactions with plasma, 23:3438 (IAE-1630)
Excitation of electromagnetic waves of whistler modes, 23:25322
Mechanism of formation of a hot electron component in the interaction between an electron beam and plasma, 24:49214
Mechanism of the appearance of accelerated electrons on interaction of an electron beam with a plasma, 23:46468
Studies of electron heating mechanism during electron beam interactions with plasma, 23:44379 (AEC-tr-7055)
KARKLIT, A. K. Density of zirconium systems during sintering, 24:2929
Thermomechanical properties of some oxide refractories, 25:55621
KARKOWSKI, W. Asymptotic condition in the Zachariasen-Thirring, 25:30943
KARL, Brigitte Telecobalt irradiation of aortic lymph nodes, 25:13534
KARL, G. Backward single pion photoproduction and the symmetric quark model, 23:27779
Baryon electromagnetic transitions in the three-triplet model, 22:39328
Proceedings of the X Cracow school of Theoretical Physics. II, 25:33668 (INP-713(Vol.2))
Quadrupole moment of the hydrogen molecule, 21:29024
Single pion photoproduction in the quark model, 24:3580
Wave functions for three-body systems, 23:13080
KARL, Gabriel Electric dipole moment of HD, 24:17639
Single pion photoproduction in the resonance region /W = 1-2GeV/, 25:33516 (INP-713(Vol.2), pp 49-54)
KARL, H. J. Significance of hormonal activity of parathyroid adenomata for scintigraphy with ^{75}Se-selenomethionine, 23:12177
KARLAK, Robert Francis Process of coating with Ti, Hf, Zr, and U, 25:45021
KARLBERG, B. Laser action on the human eye, 21:26570
KARLE, Franklin J. Ion source and accelerator assembly for a time-of-flight mass spectrometer, 22:40489
Time-of-flight mass spectrometry apparatus having a plurality of chambers with electrically resistive coatings, 23:744
KARLE, Hans Hemolysis in patients with chronic lymphocytic leukemia during extracorporeal irradiation of blood, 25:16266
Hemolysis in patients with leukemia during extracorporeal irradiation of blood, 25:21795
Radiation induced changes in red cell filterability, 25:42706
Radiation induced changes in red cell filterability, 25:47016
KARLE, Isabella L. Crystal structures of dimers of uracil and 6-methyluracil, 24:16373 (NYO-2798-51)
KARLEN, Ingvar Radiocarbon variations in the atmosphere, 21:6066
KARLEN, L. Specimen container for inelastic neutron scattering studies of liquids at high pressures, 22:1576
KARLENKO, G. S. Determination of O content in refractory compounds of Cr_3Si type structure, 25:46424
Determination of the oxygen content in metallic ruthenium, 25:57329
KARLICEK, V. Determination of 10 trace elements in biological materials by the method of neutron activation analysis, 24:2153
Trace elements and neutron activation analysis in biology and medicine, 21:40799
KARLIK, Anna Experiments on mutagenic effect of ^{222}Rn on Drosophila melanogaster, 21:12820
KARLIK, B. Calculation program for determination of half-lives and intensities of total decay curves of radioactivity, 25:56695
Measurement of some capture cross sections for fast neutrons, 25:56696
Reaction (n,2n) on light and intermediate nuclei, 21:2673
The (n,2n) reaction cross section, 21:5510
KARLIK, Berta Advances in natural radioactivity since discovery of U fission, 21:1094
Measurement of half-life of ^{16}N decay, 25:56658
KARLIK, L. D. Seasonal changes in brain metabolism, 23:35660
KARLIN, I. D. Potassium content in patients with pyelonephritis, 25:29448
KARLINER, M. M. Accelerating resonator for VEPP-2 storage ring, 24:5363 (SLAC-Trans-103)
Current regulator for electromagnets, 24:14361
Heavy-duty cooled resistors for shunting accelerator resonators, 22:44566
High-frequency power supply of VEPP-2 storage ring, 24:5364 (SLAC-Trans-104)
Instability of resonator walls under the action of pondermotive forces of electromagnetic fields, 21:21357
Interaction of coherent betatron oscillations with external systems, 21:33831
Interactions of coherent betatron oscillations with external systems, 21:19099 (CONF-660939-7)
Investigation of coherent phase self oscillations in storage rings, 21:33820
Investigations on the self-maintained coherent oscillations in the storage ring, 22:11812
Phase stability of an intense beam in a relativistic storage ring, 24:1712
Stability conditions for phase motion of relativistic particle bunches in storage rings, 23:52100
Stability of the phase motion of many bunches in charged-particle storage rings, 25:45841 (SLAC-Trans-132)
Study of self excitation and rapid damping of coherent transverse oscillations in VEPP-2 storage ring, 21:33823
KARLIVAN, V. P. Efficiency of some antioxidants in the thermooxidative degradation of irradiated polyethylene, 25:57462
Thermostabilization of irradiated filled polyethylene, 25:57446
KARLMARK, B. Hepatic blood flow measured by ^{133}Xe clearance, 25:55123
KARLOV, G. D. Scanning—measuring table for handling films from bubble chambers and oscillograms, 24:44314 (IFVE-SEF-69-32)
KARLOV, L. Effect of gravitation on Lorentz transformation, 24:10844
How to get the quasi-uniform gravitational field from the Schwarzschild metric, 23:44723
Torsion-free world lines in curved space—time, 25:20100
KARLOV, N. P. Combined model of a nuclear power plant for study of dynamic characteristics, 23:2007 (FEI-114)
Combined model of nuclear power unit for dynamic studies, 23:43207
KARLOVA, Marie Effect of S-containing analogs of sugar derivatives on plant growth and metabolism. II, 21:26671
Effect of S-containing analogs of sugar derivatives on plant growth and metabolism. III, 21:34815
KARLOVAC, N. Least-square-error amplitude measurement of pulse signals in presence of noise, 21:26185
Time-variant filters for high-rate pulse amplitude spectrometry, 21:30686 (BNL-11382)
Time-variant filters for high-rate pulse-amplitude spectrometry, 23:22072
KARLOVITZ, Bela Electromagnetic induction in plasma, 21:20959
Equations of the electromagnetic field containing plasma, 23:12863
KARLSEN, Erich Liquid-cooled nuclear reactor fuel element, 21:5727
KARLSON, A. Instrument for the study of moments of excited nuclear states by angular correlation methods. Part C, 23:4832
KARLSON, B. Prog. rpt. on localized radiolesions in central nervous system, final, 2/1/61-1/31/62, 21:6607 (AD-632819)
KARLSON, Erik T. Equilibrium of the magnetopause, 24:26070
Plasma flow in magnetosphere. I, 25:24975
Stationary equilibrium of a toroidal plasma, 22:48118
Variational principle for stationary magnetohydrodynamic equilibria, 21:24962 (MATT-478)
Variational principle for stationary magnetohydrodynamic equilibria, 23:23134
KARLSON, Karl E. Preoperative irradiation for bronchogenic carcinoma, 21:22592
KARLSON, P. Distribution of tritiated ecdysone in salivary glands, 24:27487
KARLSSON, A. A simple level controlling and automatic filling system for liquid nitrogen, 24:21041
KARLSSON, A. Vigner Optical properties of minute alkali metal particles, 22:13538 (UUIP-543)
KARLSSON, B. I. Shear strength of end slabs with and without penetrations in prestressed concrete reactor vessels, 25:54292 (UILU-ENG-71-2019)
Strength and behavior of prestressed concrete vessels for nuclear reactors, 24:20554 (TID-25367(Vol.2))
Strength and behavior of prestressed concrete vessels for nuclear reactors, 24:20553 (TID-25367(Vol.1))
KARLSSON, Bengt Investigations of a region in Monoceros. III, 24:4899
KARLSSON, Bengt G. Methods for calculating and obtaining some dose distributions favorable for deep therapy with high energy protons, 23:6452 (UCRL-Trans-1357)
KARLSSON, Bengt R. Blood dose calculation in extracorporeal irradiation, 23:35743
Unitary and separable approximations to the two-particle transition amplitude, 25:25537
KARLSSON, E. Calculation of differential angular correlation factors for non-coaxial electric and magnetic fields, 25:27919
Effects of coaxial magnetic and electric fields on time-integral PAC with special reference to rare-earth isotopes, 25:27918
Hyperfine interactions in Ho(Er)Al_2, 24:49259 (UUIP-695)
Internal fields and relaxation effects for Dy in ferromagnetic $TbAl_2$ studied by PAC, 24:49258 (UUIP-684)
Internal fields for Cd in Gd metal, 24:26329
Magnetic hyperfine field at the palladium nuclei in iron, 22:46262
Magnetic moment of 139-keV level in ^{193}Ir and magnetic hyperfine interaction in Fe—Ir alloy, 22:20045
Magnetic moment of three-quasiparticle state in ^{123}Te, 25:7865
Nuclear g factor of the 1301-keV 4^+ level in ^{144}Nd, 21:10018
Spins and attenuation coefficients of 86.5- and 105.3-keV states in ^{155}Gd, 22:20608
KARLSSON, Erik Studies of hyperfine interactions in ferromagnetic alloys by integral angular correlation techniques, 22:9107
KARLSSON, K. Simple method for determination of nuclear lifetimes, 21:4280
Study of the decay of ^{131}Ba with a Ge(Li) gamma-ray spectrometer, 21:33988
KARLSSON, K. G. Possible discretization of quasar redshifts, 25:45232
KARLSSON, L. Compensated leading edge timing circuit, 25:37693
Fast linear gate, 25:44741
KARLSSON, Margareta Isolation of tryptophan-requiring mutant of Ophiostoma, 23:50929
KARLSSON, R. Measuring device for thermoluminescence dosimetry, 22:8547

KARLSSON, S. E. Precision measurements on the 296 keV and 316 keV transitions in ^{192}Pt, 21:19251

KARLSSON, S.-E. Array detectors and extended source used in a double focusing beta spectrometer, 21:6259

Decay of ^{140}La, 21:33998

Decay of ^{191}Au and the level scheme of ^{191}Pt, 21:27606

Determination of L subshell ratios of pure M1 transitions, 21:33989

Electron binding energies in platinum, 22:13540 (UUIP-553)

Low-energy internal conversion spectrum of ^{182}W from the decay of ^{182}Ta, 21:33977

KARLSSON, Sture K. F. Interaction between collisionless plasmas and electromagnetic fields, 24:17914

KARLSSON, Sven-Erik Precision electron spectroscopy for studies of nuclear and atomic energy levels, 22:39655

KARMAEVA, A. N. Certain health aspects of the ^{226}Ra problem, 21:4751 (AEC-tr-6797, Paper 6)

Certain hygienic problems of ^{226}Ra, 21:3402 (NP-16260)

Effect of calcium in drinking water on ^{90}Sr build-up in the bony tissue of the adult population, 23:22247 (AEC-tr-6944, pp 215-21)

KARMAKAR, S. Solar microwave flux as an index of sudden cosmic noise absorption, 21:23112

KARMALITSYN, N. I. Method of confirming the uniformity of spectral characteristics of second- and third-class alpha sources during calibration, 22:51234

KARMAN, Julien Caisson for connection to hot cells, 23:50102

KARMANN, W. Pulse radiolysis of hydrogen selenide in aqueous solution, 23:35210

Pulse radiolysis of hydrogen sulfide in aqueous solutions, 21:19664

Pulse radiolysis of simple mercaptans in air-free aqueous solution, 23:35211

Pulse-radiolytic investigations of the reactions of organic radicals with hydrogen sulfide, 21:32202

KARMANOV, F. V. Breakdown of magnetic surfaces in the S-1 stellarator, 23:5377

Breakup of magnetic surface in S-1 stellarator, 24:3405 (NP-tr-1856)

Magnetic surface distortion in the stellarator S-1, 23:51705 (JPRS-46949, pp 43-5)

KARMANOV, G. A. Interaction of tungsten dioxide and molecular oxygen with tungsten surfaces, 25:16472

KARMANOV, V. A. Exchange interaction of an isobar with a nucleon and dynamic model of two-baryon resonance, 24:45553

Multibaryon resonances with $B > 5$ in model with exchange Δ—N interaction, 25:59521

Violation of P-parity in inelastic scattering reactions with photon emission, 24:10799

KARMASIN, M. Magnetic characteristics of a quadrupole lens, 21:44477 (UJV-1850)

KARMEN, Arthur Calibration of flow-through detectors of ^{14}C in gas-liquid chromatographic effluents, 21:17592

Cardiac scanning with /sup 99m/Tc-labeled albumin, 21:22504

Measurement of ^{14}C and tritium in the effluent of a gas chromatography column, 22:36049

Proportional counter for assaying ^{14}C and tritium, 22:10549

KARMHAG, B. Effect of heavy water in fast reactor FRO, 22:50788 (AE-330)

KARMILOV, A. G. Effect of neutron radiation on the structure and properties of uranium alloys containing 0.6 to 9 percent molybdenum, 21:43647

KARMIN, Irving Prog. rpt. on transverse jet plumes, annual, 11/66—11/67, 22:6212 (NYO-3673-2)

KARMODY, Collin S. Radionecrosis of the temporal bone, 21:14738

KARMOHAPATRO, S. B. Chromatic aberration in isotope separators due to charge exchange, 25:44527 (BMBW-FBK-70-28, pp 394-7)

Oscillations in cross sections of Ar^+—Ar charge transfer, 23:30349

Oscillations in $Cs^+ + Cs$ and $K^+ + K$ charge-transfer cross sections, 24:12646

Oscillatory structure in p—H charge-transfer cross section, 24:32643

Single crystal sputtering, 25:38134

Sputtering of Ag single crystal by energetic ions of Zn and Cd, 24:8532

Sputtering yield, 24:18025

Surface ionization of some rare earth elements on hot polycrystalline tungsten surface, 21:33164

KARMON, O. Energy-dependent model t-matrix for (p,2p) reactions, 24:22089

KARNAKOV, B. M. Conspiracy of singularities in j plane, 22:35023

Contribution from moving cuts to the pn-charge exchange process, 23:34614

Factorizations of amplitudes and moving branch points, 25:5435

Formation of resonances in π^+p collisions and Regge poles, 21:33709

Investigation of two-reggeon cuts in scattering processes at high energies, 24:20179

Moving cut contributions to the photoproduction of pseudoscalar mesons, 23:34565

pn $\rightarrow$ np, anti pp $\rightarrow$ anti nn and branching in j-plane, 25:20017 (CERN-Trans-70-15)

Polarization effects in vector meson production in πN-collisions at high energy, 21:40234

Polarization properties of particles produced at high energies, 25:59328

Processes pn $\rightarrow$ np, anti pp $\rightarrow$ n anti n and branching in J-plane, 22:39377

Production of resonances in πN and KN collisions and Regge poles, 22:20244

Quasi-two-particle π^-p reactions, 22:48241

Regge poles and occurrence of resonances in πN and KN collisions, 22:39407 (UCRL-Trans-1364)

Spin structure of amplitudes of the arbitrary spin meson production in πN collisions, 21:21245

Spin structure of the amplitude for the production of f^0 mesons in high energy πN collisions, 21:17122

KARNATAK, Ramesh C. M spectra of gadolinium in the metal and the oxide, 23:25464

Soft x-ray spectroscopy applied to the study of 4f state distributions in rare earth metals and their alloys, 25:52607 (CONF-711001-(Vol.1), pp 135-43)

KARNAUKHOV, I. M. Atomic beam ionizer as a source of polarized ions, 21:14956

Highly effective ionizer for a polarized ion source, 21:11434

Ionizer with a three-electrode electron gun and ionizing efficiency of 0.002, 21:24907

Polarized negative deuteron injector for a tandem accelerator, 24:38048

Source of polarized ions, 21:33168

KARNAUKHOV, V. A. Anomalies in the Z dependence of mean charges of heavy ions in helium and air, 25:14007

Delayed ^{111}Te proton emitter, 22:14021

Delayed proton emitter /sup III/Te, 21:21518 (JINR-E6-3142)

Delayed protons and gross structure of the β decay, 24:8911

Excitation energy of spontaneously fissioning isomeric state in ^{240}Am, 21:19243 (JINR-E7-3160)

Excitation energy of the spontaneously fissioning isomeric state in ^{240}Am, 21:15576

Gas-filled mass-separator for investigation of the heavy ion reaction products, 23:35545 (JINR-P13-4453)

Identification of ^{111}Te by daughter isotopes of proton decay, 21:17349 (JINR-P6-3138)

Identification of ^{111}Te by daughter products of proton decay, 22:14059

Magneto-optical system of gas-filled mass-separator, 24:31755 (JINR-13-4454)

Measurement of β^+-p coincidences for ^{111}Te emiter of delayed protons, 22:44694

Measurement of β^+-p-coincidences for ^{111}Te delayed proton emitter, 22:1651 (JINR-P6-3494)

Proton emitter studies in region of $Z > 50$, 25:28300 (CERN-70-30(Vol.1), pp 457-86)

Proton emitters among Te isotopes, 21:1087

Study of delayed proton emitters heavier than tin, 22:30025

KARNAUKHOV, V. V. Radiation channel of the IRT Reactor of Tomsk Polytechnical Inst, 25:23360

KARNAUKHOVA, E. K. Experimental study of the skin reaction on combined action of x-rays and prednisolone, 24:21209

KARNAUKHOVA, N. M. Activation analysis for investigation of sorption and sublimination properties of high-temperature materials, 24:24

Applications of neutron activation analysis to measurement of evaporation rate of solids in range of 10^{-7} to 10^{-9} g cm^{-2} sec^{-1}, 23:49754

KARNAUSHENKO, N. N. Motions of small-scale inhomogeneities in lower ionosphere in vicinity of coastal line of Black Sea, 22:11314

KARNEEV, A. N. Thermal magnetic effect and thermal emf of Gd at 90 to 250°K, 25:14458

KARNES, John H. Investigation of n-butyl phosphate as a solvent for voltammetry, 24:18878

KARNICKI, Wieslaw Time-to-pulse height converter, 25:51947

KARNIEWICZ, W. Whole body counting of ^{90}Sr in man, 21:26463

Whole-body counting of persons containing ^{90}Sr and ^{226}Ra, 22:28483

KARNIEWICZ, Wieslawa Dominant cause of individual variation in ^{137}Cs body content, 21:375

Whole-body counting of ^{90}Sr in man in presence of other radioactive nuclides (^{40}K, ^{137}Cs, ^{226}Ra), 22:8556

KARNIK, K. S. Economics of potato and onion preservation by irradiation, 23:35966

KARNIK, R. R. Method of assigning the vibration bands by progressive isotope exchange, 25:26216

KARNIK, S. G. Determination of total hydrogen content of UO_2 pellets, 25:28912 (BARC-500)

KARNOFSKY, David A. Chemotherapy of the lymphomas, 23:29669

KARNOSKI, P. J. Jr. Stainless steel reactor pressure vessels, 24:27786

KARNOWSKY, Maurice M. Determination of the activation energy for precipitation of Al_6Mn in Al—3.4 w/o Mn alloy, 25:28889 (SC-RR-70-356)

KARNS, R. E. Beam chopper for use with a 60" fixed frequency cyclotron, 23:44761

KARNUS, A. I. Viscosity ^{4}He in 14 to 31°K and pressure up to 100 atm, 22:50109

KARNYUSHIN, V. N. Laser microplasma in the focus of two laser beams, 24:19904

Lithium hydride particle injector for laser plasma experiments, 25:22551

KARO, A. M. Contracted basis set analytic self-consistent field wave functions for transition metal atoms, 21:30404 (UCRL-50260)

Heat capacity of deutero-ammonium bromide from 17 to 300°K, 22:16518

Limited-basis-set analytic self-consistent-field wave functions for transition-metal atoms, 22:9053

KARO, Arnold M. Anharmonic lattice dynamical properties of solid neon, argon, krypton, and xenon, 25:8262 (UCRL-50903)

KAROCHKIN, B. B. Oxygen tension in critical organs under influence of mexamine in comparison with radioprotective effect, 25:29551

Quantitative characteristics of the radioprotective effect of mexamine, 24:27614

KAROL, I. L. Comparative analysis of global fallout of nuclear explosion products in oceans and continents, 21:34654 (NP-16517)

Diurnal concentration changes of long-lived radon decay products in near-ground air layer, 23:17599

Estimation of coefficient of meridianal macroturbulent diffusion in equatorial stratosphere, 24:27232 (AD-695733)

Global contamination of the atmosphere by ^{85}Kr from worldwide nuclear power plants and the radiation danger, 25:54781 (JPRS-53174)

Latitudinal and seasonal change of radioactive aerosol removal from the lower troposphere, 23:17592

Numerical model of the global transport of radioactive tracers from the instantaneous sources in the lower stratosphere, 24:41443

Planetary distributions of radon and daughter concentrations in troposphere and lower stratosphere, 24:36417

Quantitative investigation of stratospheric mixing processes by means of long lived radon decay products, 21:6067

Radioactive emanation propagation in the atmosphere, 21:36113

Radioactive isotopes in atmosphere and their use in meteorology, 21:36150 (AEC-tr-6711)

Soviet studies in the nuclear meteorology, 24:36415

Stratospheric fallout in the oceans of the north temperate zone, 23:17626 (AEC-tr-7030, pp 75-105)

Works of the soviet scientists in nuclear meteorology, 24:39081

KAROL, J. Engineering problems encountered in Chalice experiment, 24:24036 (LA-4250, pp B8.1-5)

KAROL, P. J. Half-life for $^{169\ 170\ 171}$Lu, ^{166}Yb, $^{165\ 166\ 167}$Tm, and ^{160}Er, 25:1754

Method for calculating cross-contamination in column chromatographic separation of radioactive parent—daughter pairs, 25:54701

KAROL, Paul J. Neodymium—samarium separations for geochronological applications, 25:44415 (NYO-844-84, pp 21-5)

Nuclear-structure effects in simple high-energy spallation reactions, 22:20552

Prog. rpt. on nuclear chemistry and geochemistry research, 1970—71, 25:44312 (NYO-844-84)

KAROL, Paul Jason Nuclear structure effects in simple high-energy spallation reactions, 22:18201

KAROLCZAK, S. Production of HT during radiolysis of C_6H_6/THO system, 25:37423

Radiolysis of liquid ethanol—benzene mixtures in the presence of electron scavengers, 24:9361

KAROLCZAK, Stefan Radiolysis of non-polar organic liquid mixtures, 23:19747

KAROLY, Raszl Electricity: new system of power generation: nuclear, 21:38598

KAROLYHAZY, F. Gravitation and quantum mechanics of macroscopic objects, 23:52005

KAROLYHAZY, Frigyes Field-theory method in particle physics, 21:40270

General-relativistic bases of cosmology, 25:33032

KAROLYI, Gyula Dc coupled universal coincidence unit, 24:36661

Electronic delay unit for equal pulses, 24:36662

Theoretical and practical limits of resolution of semiconductor detectors, 22:49092

KAROLYI, J. Applicability of statistical model for explaining ratio of (n,n') to (n,2n) cross sections, 23:11037

Influence of inelastic scattering on (n,2n) cross sections of ^{35}Cl and ^{39}K, 22:39622

Influence of the entrance window on the energy resolution of surface barrier semiconductor detectors, 21:17873

Isomeric cross-section ratios and total cross-sections for the ^{113}In(n,2n)/sup 112gm/In and ^{115}In(n,2n)/sup 114gm/In reactions, 25:5763

Isomeric cross-section ratios for (n,2n) reactions, 23:7265

Radiative capture cross sections for 3-MeV neutrons, 24:38154

KARON, Myron Chromatid breakage: cytosine arabinoside-induced lesions inhibited by ultraviolet irradiation, 25:24124

KAROUSAKIS, Panayiotis Neutron amplification and application to a flux-trap reactor, 25:10285

KAROW, H.-U. Analysis of an experimental thermionic converter with plane geometry in the low pressure range, 21:24953

KAROW, Hans-Ulrich Physics and planned uses of thermionic converters, 21:41852 (KFK-584)

KAROW, P. Electroproduction of pions, 22:9500

Electroproduction of pions, 22:11567 (DESY-67/31)

Electroproduction of π^0 mesons on protons in backward direction, 25:47707 (DESY-71/29)

Electroproduction of $\pi^+\Delta^0$ (1236) on hydrogen, 25:45629 (DESY-71/25)

Electroproduction of rho^0 mesons, 22:13634 (DESY-67/41)

Electroproduction of rho^0 mesons, 22:15716

Electroproduction of single π^+ mesons on hydrogen, 25:27950 (DESY-71/9)

KAROWSKI, M. Superpropagators, 25:12243

Unitary S-matrix in Lee model with "dipole-ghost", 23:32813

KAROWSKI, Michael Properties of super-propagators in Lagrangian quantum-field theory with exponential interactions, 25:1595 (DESY-70/30)

KARP, Herbert R. Abnormal isotope cisternography in occult hydrocephalus, 24:25530

KARP, Irving M. MCFLARE: code to simulate solar events, 22:38651 (N-68-16008)

KARP, L. A. Computer calculations of dose distribution for nylon threads with ^{60}Co granules, 23:31789

KARP, W. Recent transportation incident, 23:2836

KARPACHEV, B. I. Emission and adsorption properties of gadolinium and yttrium films on a tungsten single crystal, 24:6641

KARPACHEVA, S. M. Kinetics of extraction of Am(III) from perchloric acid solutions by bis(2-ethylhexyl) phosphate in decane, 25:15741

KARPATI, Georg Telecobalt therapy of tumors of uterus, 21:30834

KARPELES, Alfredo Developing /sup 99m/Tc generators, 24:46243 (CNEA-267)

Excitation functions for formation of ^{68}Ge, ^{65}Zn, and ^{22}Na, 23:49823
Excitation functions for formation of ^{68}Ge, ^{65}Zn, and ^{22}Na, 24:38155
Micro x-ray device, 23:7887 (CNEA-218)
Preparation of a ^{68}Ga generator, 23:40717
KARPENKO, B. V. Magnetization of EuO and $Eu_{0.97}Gd_{0.03}$ O single crystals, 25:30670
KARPENKO, D. Ya. Pauli approximation for vector bosons, 22:20228
Quantum mechanics of charged relativistic vector bosons. I, 25:3344
Vector mesons in a constant external electromagnetic field, 22:37117
KARPENKO, G. V. Combined effects of active liquid mediums and γ radiation on the durability of poly(methyl methacrylate), 24:2250
KARPENKO, I. K. Effect of toroidicity on stellarator magnetic surfaces, 22:24253 (NP-tr-1636)
Influence of toroidalty on the stellarator magnetic surfaces, 24:10573
Poloidal fields and the minimum mean magnetic fields in a two-path stellarator, 25:3142
Toroidal effect on magnetic surface of stellarator, 22:44074 (NP-17561)
KARPENKO, L. I. Determination of rare earth elements in preparations of heavy lanthanides, 23:37890
Effect of solution composition on spectrographic determination of the rare earths, 25:15476
Quantitative spectral determination of rare earth elements of the cerium and yttrium subgroups in ores and minerals, 23:4532
Spectrographic determination of rare earth elements in their borides, 24:9238
Stylometric determination of rare earth elements in solutions, 22:18716
KARPENKO, M. M. Possibility of obtaining constant superstrong magnetic fields, 22:37924
KARPENKO, N. K. Possibility of the existence of magnetic wells in the combined field of one- and two-path stellarators, 25:3143
KARPENKO, V. S. Uranium deposits in iron ore decambrian formation, 23:47658
KARPETA, C. Temperature transitions of the A 1 reactor, 23:40290
KARPF, A. D. Dual loop terms and counterterms by means of their projective group, 25:25525
Finite-energy sum rules with Cheng representation, 23:27794
Possible check of neutral weak vector-bosons that couple to $\mu^+\mu^-$ only, 21:44334
Radiative corrections to e^+—e^- scattering mediated by neutral vector bosons, 21:905
KARPF, Armin D. Analytic continuation of Regge-pole residue function, 24:37965
Complete unitary representation for residue function β, 24:18183
Dual loop terms and counterterms by means of their projective group, 25:17583 (COO-264-567)
Nonplanar dual loop in the variables s,t,u, 25:50184 (COO-264-581)
KARPFEL, Z. DNA reparative effect on radiation damage, 25:44790
Effect of exogenous DNA in irradiated meristem of Vicia faba, 25:44961
Influence of DNA on irradiated meristematic cells of Vicia faba, 22:47524
Proliferative ability of irradiated bone marrow with a different incidence of spontaneous chromosomal aberrations, 21:30895
Proliferative ability of x irradiated bone marrow from donors of different ages, 21:11060
Radiation damage and repair of animal cells, 25:52177 (A/CONF.49/P-554)
KARPIEN, R. J. Comparison of standard and modified orthogonalized plane-wave methods, 25:5231
KARPIKHIN, I. L. Repeated experiment on detection of weak nucleon—nucleon interaction, 24:3720
Repeated experiment on the observation of the weak internucleon interaction, 22:27226
Repeated experiment to observe the weak nucleon—nucleon interaction, 22:35311
KARPINOS, D. M. Field of dispersion strengthening and reinforcement of powder metallurgy metal-base alloys, 24:27844
Hot pressing of W and W-base pseudoalloys, 24:27740
Hot pressing of W. I, 24:32352
Investigation into the mechanical characteristic of hot-pressed tungsten—copper pseudoalloys, 25:47128
Mechanical properties of nickel composite reinforced by tungsten fibers, 24:34905
Mechanical properties of nickel reinforced with tungsten fibers, 24:48808
Physical properties of hot-pressed tungsten—copper pseudo-alloy, 25:32717
Properties of Ni and Cu reinforced by W fibers, 24:21360
Reaction of tungsten with die material in hot pressing, 25:32697
Study of mechanical characteristics of hot pressed tungsten—copper pseudo-alloys, 25:32715
ZrO_2-base cermet cold cathodes, 23:12402
KARPINSKII, I. P. Use of sequential statistical analysis in measurement of nuclear radiation, 22:45286
KARPINSKII, O. G. Roentgenographic study of Hf—Si system in region of 37 to 65 at. percent Si, 24:8137
KARPLUS, M. Bounds for van der Waals coefficients from Pade approximants, 22:7138
Comparison of 3D classical trajectory and transition-state theory reaction cross sections, 25:3951 (HUX-3780-29)
Determination of the phase of the scattering amplitude from the differential cross section, 24:30597
Determination of the phases of electromagnetic scattering amplitudes from experimental data, 25:7497 (HUX-3780-27)
Energy dependence of cross sections for hot tritium reactions with hydrogen and deuterium molecules, 21:3103
Nonequilibrium contribution to rate of reaction. III, 25:8149 (HUX-3780-31)
Pade approximants to the normal dispersion expansion of dynamic polarizabilities, 24:23758
Perturbed Hartree—Fock theory. I, 23:30354
Quantum theory of (H,H_2) scattering, 22:47828
Quantum theory of (H,H_2) scattering: approximate treatments of reactive scattering, 25:8148 (HUX-3780-30)
Quantum theory of (H,H_2) scattering: approximate treatments of reactive scattering, 25:55863
Relativistic long-range interactions between atoms and molecules, 24:35216
Retarded van der Waals interactions. I. Simple atoms, 24:49001
Upper bounds on many-channel scattering phase shifts by an adiabatic-type approximation, 23:48751
Vibrational vs. translational activation in H_2,H_2 and H_2,D_2 exchange reactions, 21:45133
KARPLUS, Martin Deuterium isotope effects in the electron spin resonance spectra of naphthalene negative ions, 21:45122
Prog. rpt. on theoretical studies in chemical kinetics, annual, 1970, 25:3952 (HUX-3780-33)
KARPLUS, R. Speculations concerning large-angle meson—nucleon scattering at high energies, 21:15337
KARPLYUK, K. S. Excitation of oscillations in decay instability of steady-state waves in a plasma, 21:42053
Excitation of red and violet satellites in instability of Alfven waves, 22:50158
Explosive instability of interacting waves in quiescent plasma, 24:40153
Influence of the temperature on the wave propagation in a bounded plasma, 22:50160
Interaction between space and surface waves in bounded plasma, 23:51729
Interaction of an electron beam with a bounded plasma in the presence of a magnetic field, 21:5283
Interaction of an electron beam with a transverse nonuniform plasma layer, 22:3068
Interaction of magnetohydrodynamic waves in a bounded plasma, 24:28348
Interaction of waves in plasma waveguides. II, 25:17237
Interaction of waves in plasma waveguides. I, 25:17236
Magnetohydromagnetic waves in a cylindrical plasma column, 22:50161
Non-linear wave phenomena in a high-temperature plasma, 23:32512
KARPMAN, G. T-violation effects and final-state interactions, 23:3781
KARPMAN, M. G. Diffusion of alkali metals into molybdenum and niobium, 21:31018
Molybdenum treatment for increasing stability of steel No. Kh18N9T in liquid Li, 25:13634
KARPMAN, V. I. Asymptotic solution of Korteweg—de Vries equation, 22:9326
Dissipative effects on electro-acoustic waves in plasma, 24:3435
Dynamics of electroacoustic waves in a liquid and plasma, 23:39518
Electrosonic waves in a plasma with negative dielectric constant, 23:34485
High-frequency electromagnetic field in plasma with negative dielectric constant, 25:40715
Nonlinear evolution of disturbances in plasmas and other dispersive media, 21:5298
Nonlinear theory of plasma motion in a high-frequency electromagnetic field, 25:59037
Nonlinear waves, 25:33327
Oscillations of a rarefied plasma confined by a high-frequency field, 25:40700
Perturbation theory for nonlinear oscillations in a collisionless plasma, 22:31810
Singular solutions of the equations for plasma oscillations, 21:3859
Solitons and eigenvalues of Schroedinger equation, 22:39228
KARPOV, A. V. Experience gained from operation of BR-5 reactor, 1964-5, 22:18571
Liquid metal pumps, 24:52891
Pumps for circulating liquid metals, 25:41958 (CONF-700307-8)
Safe operation of BR-5 plant, 22:53441
Safety problems concerning operation of BR.5 reactor, 22:30331
Selection of a hydraulic design for fast neutron reactors, 24:52753
Use of lead in unloading systems for sodium-cooled facilities, 24:52933
Use of lead in unloading systems of sodium-cooled facilities, 25:23294 (CONF-700307-7)
KARPOV, B. N. Study of indications of SRP-2 radiometer in measurements of dose of x-rays and gamma-radiation, 23:17811
KARPOV, I. I. Dependence of spark brightness on ionization in range of 1 less than or equal to I/I min less than or equal to 15 at P = 1 atm., 0.3 atm., 0.1 atm, 25:6558 (IFVE-SEF-69-72)
Effect of particle interaction on the shape of the Bragg curve, 23:10462
Effects of particle interactions on shape of Bragg curve, 22:52852 (JINR-P1-4000)
Efficiency of weak light pulse detection and amplitude distribution for phototubes K14-FQS-50, 56UVP, and XP-1023, 25:23911 (IFVE-SEF-70-11)
Paths and ionization losses of the proton energy in different matters, 23:3251 (JINR-P1-4081)
Range and ionization losses of proton energy in different materials, 23:20661 (ANL-Trans-724)
Ranges and ionization energy losses of protons in various substances, 23:39299
Search for particles with fractional charges (quarks) at IHEP 70 GeV accelerator, 23:30709
KARPOV, O. N. Propagation of gamma radiation in the upper atmosphere, 24:21655
KARPOV, V. L. Action of ionizing radiation on the structure and properties of the copolymer of styrene with 2-ethylhexyl acrylate, 25:18436
Conjugated double bonds in γ-irradiated copolymers of ethylene with propylene and α-butylene, 23:9491
Connection of thermostimulated current in irradiated polymers with molecular motions, 25:21001
Dielectric behavior of some irradiated polymers, 24:12499
Dielectric properties of poly(tetrafluoroethylene) on irradiation with ^{60}Co γ rays and fast electrons, 24:38915
Durability and creep of polymers in radiation field, 24:2249
Effect of γ irradiation on copolymer of ethylene with α—butylene, 22:33414
Effect of ionizing radiation on epoxy resins, 21:15924
Effect of polyfunctional monomers on radiation crosslinking of polyethylene, 21:38966
Effect of Sn and Fe chlorides on irradiated polyolefines at elevated temperatures, 22:47135
Effects of γ radiation on copolymers of ethylene with propene and 1-butene, 23:4680
Investigation of thermostimulated current in polyethylene, 24:13906
Large-scale radiation-chemical plants and radiation-chemical processes of promise for commercial application, 25:51493 (A/CONF.49/P-466)
Problems of radiation chemistry of polypropylene, 22:33454
Radiation chemistry of polymers, 21:3133
Radiation electroconductivity and creep in polymers, 24:12494
Radiation induced increase of stability of polymerizing emulsion systems, 22:37801
Radiation induced polyisobutene degradation in heptane solution, 21:5937
Radiation method of obtaining wood—plastic materials, 23:40783
Radiolysis of some allylic monomers, 24:25078
Radiolysis of various styrene and vinyltoluene copolymers, 23:4650
Some peculiarities of radiation creep and durability of polymers, 25:45156
Spectroscopic investigation of the low-temperature radiolysis of some polyolefins, 25:4118
Structure of irradiated ethylene with vinyl chloride, 23:49841
Temperature dependence of electric conductivity of polymers irradiated at low temperatures, 22:42735
KARPOV, V. N. Phase diagrams of $Nd_2(WO_4)_3$—$SrWO_4$ and $NaND(WO_4)_2$—$SrWO_4$, 21:28842
KARPOV, Yu. A. Sources of errors of vacuum-fusion method during determination of O in Nb, 23:15788
KARPOVA, G. P. Nichrome with dispersed oxide impurities, 24:51173
KARPOVA, I. F. Synthesis of inorganic ionites with high selective capacity, 21:28039
KARPOVA, I. N. Action of gamma rays and thermal sterilization on content of thiamine, riboflavin, nicotinic acid, and tocopherol in beef, 21:34848
KARPOVA, L. N. Condition of iriginite formation, 22:33575
Formation of metastable and stable modifications of iriginite by the action of uranium-bearing solutions of powellite, 25:48671
KARPOVTSEV, E. A. Exchange interactions and superconductivity of lanthanum with rare-earth impurities, 24:40028
KARPOWICH, Fred W. Equivalent circuits estimate damage from nuclear radiation, 22:10672
KARPOWICZ, Maria Non-existence of clusters of clusters of galaxies. III, 21:46112
Nonexistence of clusters of clusters of galaxies. II, 21:28921
Photographic observations of 3C 273, 22:2750
KARPP, Robert Raymond Decay of plane magnetohydrodynamic and gas dynamic shocks in an ideal gas, 23:5277
KARPUKHIN, G. I. Viricidal efficiency of uv rays in decontamination of air, 24:21327
KARPUKHIN, V. I. Effect of reactor γ emission on radiation annealing of defects, 23:48963 (IAE-1649)
Effect of the divertor magnetic surface on toroidal drift of a plasma, 25:22475
Interaction of a plasma beam with a plasma cylinder in the magnetic field of a divertor, 23:36668 (FTI-167)
Interaction of a plasma beam with a plasma cylinder in the magnetic field of diverter, 24:10524 (AEC-tr-7105)
Interaction of plasma fluxes with plasma cylinder in the divertor magnetic field, 23:25327
Interaction of plasma fluxes with the plasma cylinder in the magnetic field of the divertor, 24:3334 (NP-tr-1859)
Interaction of two plasma blobs in the magnetic field of a divertor, 23:25326
Interaction of two plasma blobs in the magnetic field of a divertor, 24:3333 (NP-tr-1858)
Interactions of two plasma clusters in the magnetic field of the divertor, 23:36667 (FTI-166)
Investigation of plasma drift and equilibrium in a toroidal magnetic field with divertor, 25:38395
Mass-energetic measurements of plasma entrapped into the aperture of the diverter during injection through the magnetic gap, 23:3441 (NP-17665)
Mass-energy measurements of plasma captured into the aperture of the divertor during injection through the magnetic gap, 24:10496 (AEC-tr-7108)
Plasma capture into a divertor aperture as asynchronous injection of two plasma streams, 23:42230
Radiation creep in uranium and graphite, 24:14840
Radiation damage in diamond, 22:7073 (LB/G-2582)

  - Role of focusing collisions in the process of radiation annealing of point defects in diamond, 22:15573 (NP-tr-1612)
  - Stability investigation of the plasma stream motion in a divertor magnetic field, 25:1231
  - Use of diamond as a reference standard for irradiation conditions, 25:39236 (LB/G-3027)
  - Use of irradiated diamonds for temperature measurement, 25:55104
  - X-ray diffractometer with ionization chamber, 21:1604
- KARPUKHIN, V. T. Current distribution in an E x H discharge with sectionalized electrodes for nonequilibrium conductivity of the plasma, 25:9482
  - Mercury and Cs as working media for studies of certain properties of MHD generators working in Rankine cycle, 22:52557 (CONF-680704-3)
  - Motion of ionization front in Ar—Cs plasma, 25:7396
- KARPUKHINA, T. A. EPR method for investigation of ^{60}Co γ radiation effects on anion exchange resins, 21:5947
- KARPUSHINA, S. A. Extraction of neptunium in form of ions associated with tetraphenylphosphonium, 23:28966
- KARPUSHKINA, E. I. Cascade excitation of hydrogen atom during passage across a plasma target, 22:20020 (IAE-1364)
  - Cascade excitation of hydrogen atoms in plasma in a magnetic trap, 25:33290
  - Cascade excitation of the hydrogen atom by passage through a plasma target, 22:5329 (UCRL-Trans-10139)
  - Tables of photoionization cross-sections of the hydrogen atom, 22:2780 (UCRL-Trans-10134)
- KARPUZOV, D. S. Angular and energy distribution of ions reflected from copper single crystals, 21:13384
  - Computer studies of B^+ ion penetration into Si single crystal, 24:42811
  - Ion reflection from a single crystal, 22:26228
  - Reflection of ions obliquely incident on a single crystal, 22:21869
- KARR, C. Method and device for supplying a magnetohydrodynamic generator, 22:17444
- KARR, Clarence Jr. Nuclear quadrupole resonance spectrometry of inorganics and minerals, 23:19660
- KARR, Claude Method and device for supplying a magnetohydrodynamic generator, 21:37250
- KARR, H. J. Magnetic shielding of current feeds in plasma containment systems, 22:36886
  - Z-pinch experiments with shock heating, 25:38333 (CONF-710607-14)
- KARR, Hugh J. Dynamic stabilization of a linear z pinch, 25:19717
  - Plasma injection and trapping in a caulked stuffed cusp magnetic field, 23:44390
- KARR, L. F. Gravitational light—light and light-particle scattering, 24:22008
- KARR, Lawrence F. Gravitational light—light and light—particle scattering, 23:51994 (NYO-2262-TA-209)
- KARR, M. H. Multiple purpose use of thermal condenser discharges from large nuclear systems to supplement interregional water supply, 25:44083 (BNWL-SA-2738)
  - Multiple purpose use of thermal condenser discharges from large nuclear system to supplement inter-regional water supply, 25:46224
- KARRAKER, D. G. Alpha-particle-excited fluorescence of ^{241}Am-doped Eu^{3+} and Tb^{3+} chelates, 22:42792
  - Bis(cyclooctatetraenyl)neptunium(IV) and bis(cyclooctatetraenyl)plutonium(IV), 24:41299
  - Diethyldithiocarbamates of quadrivalent actinides, 21:19586 (DP-MS-66-82)
  - Diethyldithiocarbamates of quadrivalent actinides, 22:27652
  - Distribution of radioactive elements in debris of Salmon nuclear test, 21:36181 (DP-1106)
  - Magnetic susceptibilities of the tetravalent plutonium ion in octahedral compounds, 25:51434
  - Moessbauer spectra of some Np(VII) compounds, 24:2187
  - NMR shifts in U(IV) compounds, 23:43306
  - PMR and magnetic susceptibility of U(V) pentaethoxide, 23:19736
  - Recovery of actinides from halite debris, 21:3168
  - Recovery of reactor-produced ^{231}Pa, 25:13100
  - Some ethoxide compounds of neptunium, 21:23884
  - Spectral evidence of the coordination of lanthanide ions in solvent extraction systems, 23:13688 (DP-MS-67-97-X-1)
  - Volatile chelates of quadrivalent actinides, 24:36217
- KARRAKER, David G. Recovery of actinides produced by a nuclear detonation in volcanic tuff or desert alluvium, 21:6093 (DP-1055)
- KARRAS, M. Decay of ^{105}Tc, 21:38325
  - Energy distribution of photoelectrons created by Al Kα x rays in alkali halide targets, 21:37607
  - Fine structure in electron-excited Auger spectra, 24:25953
  - New isotope ^{204}Au and decay of ^{202}Au, 22:11969
  - Radioactive nuclides ^{79}Ge and ^{82}As, 24:30735
- KARRAS, M. R. Decay of ^{40}Cl, 22:35271
- KARRAS, Matti Image properties of an electrostatic cylindrical electron spectrometer, 23:2640
- KARRER, Karl Effects of small radon doses on the Yoshida sarcoma in rats, 24:12265
- KARR H. Dynamic stabilization of the z pinch, 25:27789
- KARSAI, A. Radiation-induced changes in hemopoietic tissue, 24:36803
  - Radiation-induced changes in some biochemical parameters of the haemopoietic tissue of rabbits, 24:11953
- KARSCH, F. J. Levels of LH in sera and pituitaries of ewes, 24:23062
  - Maintenance of ovine corpora lutea in the absence of ovarian follicles, 25:16324
- KARSHIBAEV, A. Temperature dependence of thermomagnetic effect in Ni—W alloys, 24:30401
- KARSHON, U. Baryon exchange in $K^-p \rightarrow \Lambda\omega$ and $K^-n \rightarrow \Sigma\omega$ at 3 GeV/c, 25:1423
  - Broken SU(6) predictions for baryon production with polarized vector mesons, 25:53212
  - Data compilation of baryon—baryon interactions. III, 23:32617
  - Experimental evidence for a violation of a quark model prediction at the baryon vertex, 25:47891
  - Lambda lifetime measurement in a low-momentum Λ beam, 21:3997
  - Low-energy hyperon—nucleon interactions, 22:17854
  - Possible exotic exchange in $pn \rightarrow \Delta^-\Delta^{++}$ at 6.98 GeV/c, 24:37630
  - Production of the g(1640) meson in πp interactions at 6 GeV/c, 23:5536
  - Reactions $K^-n \rightarrow Y^{*-}(1385)$ + vector meson at 3 GeV/c, 25:40893
  - Study of the Λ—N system in low-energy Λ—p elastic scattering, 22:50305
- KARSHON, Uri A_2 meson production from K^-n interactions at 3.9 GeV/c, 23:32630
  - Further evidence for $Y_1^*(1616)$ from 3.9 GeV/c K^-n interactions, 23:32621 (BNL-13681)
  - Is there an eta(550)π resonance at 980 MeV, 23:32629
  - Isospin-$^1/_2$ Kπ enhancement at a mass of 1160 MeV, 23:16937
  - Reaction $K^-n \rightarrow \Lambda\pi^-$ at 3.9 and 3.6 GeV/c, 24:5254
  - Search for I = 3/2 Ξ resonances in K^-n interactions, 22:52936 (BNL-12864)
  - Study of structure in "A_1 (1300)" region in π^-p interactions at 6 GeV/c, 22:32071
  - Threshold enhancements in $\rho^0\pi^-$ and $f^0\pi^-$ systems from reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 6 GeV/c, 24:24232
  - Xi* resonance in K^-n interactions at 3.6 and 3.9 GeV/c, 24:28495
- KARSKA, Barbara Genophore replication in E. coli K-12, 24:9821
- KARSTEN, D. Simple automatic sample changer in liquid scintillation counting, 22:43067
  - Viewpoints concerning techniques and metallography of the metallurgy of granular material, 25:55404
- KARSTEN, G. Basis, status, and program of German fast breeder pin development, 24:41013 (TRG-Report-1911, pp 82-100)
  - Development of a fast reactor fuel element, 21:35572 (EURFNR-312)
  - Development of fuel elements for fast breeder reactors, 22:53273 (EURFNR-472)
  - Effects of different types of void volumes on the radial temperature distribution of fuel pins, 24:38646
  - Fabrication of fast reactor fuel pins for test irradiations, 21:35574 (EURFNR-314)
  - Fuel material selection, 22:33093 (KFK-700(Pt. II))
  - Fuel rod performance, 22:33095 (KFK-700(Pt. V))
  - Irradiation behavior of fast reactor fuel pins and their components, 25:54086 (A/CONF.49/P-392)
  - Irradiation performance of fast reactor fuels, 22:8845 (EURFNR-423)
  - Practical results on fast reactor oxide fuel pin development and modeling activities, 25:34367
  - Preparation of SNR irradiation tests in Rapsodie Fortissimo, 25:48268
  - Research and development work carried out in Karlsruhe Nuclear Research Center on steam-cooled fast breeder, 25:39225 (KFK-1370)
  - SATURN code, 24:7364
  - SATURN code: theoretical analysis of fuel pin behavior and fuel void dynamics, 24:33484 (KFK-1088)
  - Specifications for fuel irradiation experiments in EFFBR, 21:42727 (KFK-586)
  - Studies about advanced fuel elements, 25:31572
  - Theoretical and computer analysis on the behavior of fast reactor fuel pins and related parts of the core under operational conditions, 23:4233
  - Theoretical and computer analysis on behavior of fast reactor fuel pins, 23:21482 (EURFNR-610)
  - Thermomechanical core analysis "danger spots" and "plastic fuel", 22:16327 (ANL-Trans-558)
- KARSTEN, J. H. M. Checking performance of nucleonic apparatus with short-lived isotopes, 21:10665
  - Half-life of ^{132}I, 21:10016
  - Radiometric assay of short-lived isotopes, 22:48828
  - Resolving time determination of Geiger—Mueller counters with /sup 137m/Ba, 21:8584
- KARSTENS, G. E. Galvanomagnetic properties of niobium single crystals, 22:9473
- KARSTENSEN, F. Excitation function of Ca 4^1P^0 term for excitation by electrons, 23:48734
  - Relative excitation functions for electron impact with magnesium, 25:38061
- KARSTENSEN, Frithjof Experimental determination of lifetimes in Mg and Ca atoms, 22:36736
  - Relative cross-sections for electron impact excitation of calcium, 23:3296
- KARSULIN, M. Function pH of glasses of system $Li_2O—BaO—(Pr,Nd)_2O_3—SiO_2$, 22:16536
- KARTAK, Milan Future development of Czechoslovakian electrical networks and resulting need for development of nuclear energy, 23:26425
- KARTALEV, M. D. Boundary layer on a flat plate in presence of strong longitudinal magnetic field, 22:19845
  - Magnetohydrodynamics of plane flows in plasma with anisotropic pressure, 25:49785
  - Stationary simple waves in a plasma at anisotropic pressure, 25:59085
- KARTASCHEFF, N. Influence of neutron irradiation at 4.6°K on superconducting properties of niobium, 22:31751
  - Influence of neutron irradiation at 4.6°K on superconducting properties of niobium, 23:25239 (BMwF-FBK-68-43)
- KARTASHEV, E. P. Some rapidity criteria of neutron-activation analysis, 21:17595
- KARTASHEV, E. R. Activation determination of indium, selenium, fluorine, and other elements in stream of solutions, 23:26196 (VNIIRT-2)
  - Determination of Cd by neutron absorption, 24:27003
  - Neutron determination of indium and cadmium in a flowing solution, 24:38791
  - Neutron method for the determination of indium and cadmium concentrations in a flowing solution, 24:50361
- KARTASHEV, G. F. Lower excited levels of ^{223}Ra, 24:40612 (ITEF-748)
- KARTASHEV, K. B. Charge-exchange experiment with a fast plasma bunch in the INES installation, 25:17213 (UCRL-Trans-10497)
  - Experiments on charge exchange of fast plasma clusters in the INES device, 24:23732 (IAE-1951)
  - Hot plasma production during injection of clusters of fast atoms into magnetic traps, 22:41622 (IAE-1399)
  - Hot plasma production during injection of clusters of fast atoms into magnetic traps, 23:14809 (AEC-tr-7016)
  - Interaction between ion flux and target plasma during charge exchange, 22:19961 (IAE-1400)
  - Interaction between ion flux and target plasma during charge exchange, 23:14830 (AEC-tr-7017)
  - Investigation of charge exchange of a dense plasma current in a magnesium target, 25:3079
  - Ion stream interaction with target plasma, 22:46148
  - Ion-cyclotron instability in a plasma burst, 23:32463
  - Method of obtaining a collisional plasma in magnetic mirror trap, 25:38366 (CONF-710607-96)
- KARTASHEV, S. P. Methods for realizing sequential machines on identical integrated circuits, 25:39385 (NYO-4209-7)
- KARTASHEV, V. G. Propagation of symmetrical waves in a cylindrical waveguide filled with nonuniform plasma, 21:20976
- KARTASHEV, V. P. Focusing properties of a helical quadrupole lens, 25:36624
  - Influence of magnetic field perturbations of particle focusing in quadrupole lenses, 22:11748 (IFVE-OP-67-22-k)
- KARTASHEVA, A. L. Cytological shifts in the spleen and the types of antibodies observed at the primary immunological response in intact and irradiated rats, 22:38222
  - Immunological response by Erne method in intact and irradiated animals, 23:4888
  - Influence of external gamma radiation on antibody producing cells, 22:23428
  - Radiosensitivity of cell population of lymphoid tissue, 24:648
- KARTASHEVA, L. I. Mechanism of muconic dialdehyde formation during radiolysis of benzene aqueous solutions containing oxygen, 22:16584
  - Radiation induced chain oxidation of benzene to phenol in aqueous solutions of ferrous ions and oxygen, 21:23986
  - Radiolysis of aqueous solutions of benzene in the presence of ions of variable-valence metals. I, 22:23076
  - Radiolysis of aqueous solutions of benzene in presence of transition metal ions. II, 23:28903
  - Some topics in the radiation chemistry of aqueous solutions of benzene, 23:19809
- KARTASHOV, G. R. Applications of nuclear resonance scattering of annihilation gamma rays, 25:25262
  - Nuclear resonant scattering of annihilation quanta, 24:15943
  - Protons emitted at 137° by nuclei under bombardment with protons of several GeV, 21:29896
  - Resonance scattering of ^{191}Ir γ rays with energy 129 keV, 22:35358
  - Resonance scattering of gamma rays of ^{191}Ir with energy of 129 keV, 22:37343 (ITEF-X-529)
- KARTASHOV, N. P. Determination of the radon diffusion coefficient in rocks by the instantaneous source method, 22:40220
- KARTASHOV, P. A. Nonspecific allergic reactions in sheep in chronic radiation sickness, 25:10989
  - Radiation sickness in sheep, 25:39913
- KARTASHOV, V. M. Automatic installation for guaranteeing the stability of beta-spectrometer magnets, 22:36093
  - Conversion electron intensities of ^{177}Lu, 24:35894
  - Intensities of ^{177m}Lu conversion electrons, 25:39036
  - Internal conversion electrons in ^{173}Lu, 24:28803
  - Multipolarity of 661.59-keV transition in ^{137}Ba, 22:14022
  - Spectra of conversion electrons of ^{174m}Lu and ^{174}Lu, 23:42919
- KARTASHOVA, L. G. Temporal variations of the photospheric velocity field in the active region, 25:35750
- KARTEL, M. A. Mutability of barley, 25:24112
- KARTEL, N. A. Radiational mutant of barley, 25:21672
- KARTHA, K. I. P. Background radiation in the coastal (monazite) areas of Kerala (South India), 22:48941
- KARTHA, M. Automated thermoluminescence dosimeter reader, 25:23878
  - Dose conversion factors for ionization dose meters for electron beams, 24:48567
  - Radiation hepatitis in children, 25:29652
  - Semi-automatic TLD reader, 25:21456
  - Some intrinsic inaccuracies of thermoluminescent dosimetry, 25:32283
- KARTHA, Mukund Ferrous sulfate mini-dosimeter, 24:29583
  - Liver scans after primary treatment of tumors in children, 25:13578
  - Reversal of liver scan image after right-sided renal radiotherapy, 25:26884
- KARTHA, V. B. Infrared spectra of borazine and isotopic species. Assignment of a_2" fundamental modes, 21:30418
  - Spectrographic analysis of impurities in sodium chloride, 21:35837 (BARC-284)
  - Spectrographic determination of rare earths in sodium chloride, 21:35836 (BARC-283)

- KARTHEUSER, E. Energy-loss spectrum of fast electrons in a dielectric slab. I. Nonretarded losses and Cherenkov bulk loss, 24:35156
  - Quantum theory of electron—optical phonon interaction in ionic crystal films, 24:45345
- KARTLUKE, Herbert Ultrasonic flowmeter for high-temperature operation, 23:45583 (NYO-3622-25)
  - Ultrasonic instrumentation for detection of incipient boiling in liquid metals, 23:14082 (NYO-3622-20)
- KARTMAZOV, G. N. Application of cryogenic pumps to high-vacuum annealing of molybdenum, 23:26501
  - Composition and structure of nickel layers deposited on niobium, 21:31016
  - Niobium and vanadium crystal structure at high temperatures, 21:11249
  - Thermal tensity in chromium coatings in molybdenum, 21:18271
- KARTSEV, V. A. Influence of magnetic field on heat exchange of an abnormally viscous fluid, 25:16871
- KARTTUNEN, E. K-fluorescence yield of Te and total and K-shell conversion coefficients of 35.48 keV transition in ^{125}I decay, 23:40081
  - M-subshell fluorescence yields and L_1—L_3 radiative transition at Z = 93 and 96, 25:55825
  - Simplified precision system for oxygen analysis by fast neutron activation, 24:2156
  - Thermal and 14.4-MeV neutron activation cross sections of argon, 23:23659
- KARTTUNEN, J. O. Determination of uranium in ores and in solution using a portable non-dispersive x-ray spectrograph, 23:31289
  - Handling radioactive or toxic materials for x-ray fluorescence analysis, 21:16359
- KARTUZHANSKII, A. L. Achievements and status of Soviet nuclear photography, 22:23287
  - Ionizing particle effects on photographic solarization, 23:4819
  - Luminescence and sensitivity of nuclear photoemulsions, 23:43558
  - Luminescence damping and low-temperature sensitivity of nuclear photographic emulsions, 23:17768
  - Radioluminescence of the photographic film backing, 22:23337
  - Recording of ionizing particle tracks in cellulose films, 24:31686
  - Sensitivity of nuclear photoemulsions doped with Cd, 24:16846
- KARTZ, Ludwig Investigations concerning the problem of radiation-cytostatic combination treatment. VIII, 25:29604
- KARULE, E. Estimating long-range interactions by a modified method of strong coupling, 22:19739 (NP-tr-1613)
  - Modification of close-coupling approximation for e—H scattering, 21:18438
  - Polarization of lithium and sodium atom resonance lines excited by electron impact, 24:35181
- KARULE, E. M. Differential cross-sections for the inelastic scattering of electrons by alkali atoms, 25:40383
  - Electron scattering of alkali metal atoms considering the long-range forces, 23:14608
- KARULE, K. Evaluation of transition matrix elements for multiphoton processes in atomic hydrogen, 25:58770
- KARUNARATHNE, V. B. Boundary problem in a plasma, 25:19749
  - Reflexion of a plane wave at a plasma half-space, 25:11939
- KARVALY, B. Optical reflection of V_2O_3 single crystals, 25:33461
- KARVALY, Bela Blue radioluminescence of lead chloride single crystals at low temperatures, 24:50425
- KARVE, V. M. Recovery of uraninite from Rakha Cu mines, 22:51113
- KARVINEN, J. R. EBR-II noise-signature analysis during the first half of fiscal year 1971. EBR-II Project, 25:54200 (ANL-EBR-36)
  - EBR-II: Digital Data Acquisition System study, 23:52328 (ANL-EBR-1)
  - Noise signature analysis for experimental breeder reactor II, 25:41546
  - Prototype analog reactivity meter for EBR-II, 25:26014 (ANL-7700)
- KARVONEN, L. G. Radiofrequency cavity for SLAC storage ring, 22:11752 (SLAC-78)
- KARWAT, H. BRUCH-D: digital program for PWR blowdown investigations, 24:24871
  - BRUCH-S: code to investigate blow-down of BWR systems, 23:33070
  - Calculational model BRUCH for water cooled reactors, 24:20593
  - Containments of large water-cooled power reactors, 22:18446
  - Current problems in the construction of reactor containments, 22:22719
  - Treatment given to some specfic technical problems in safety reviews in Europe, 24:52947 (EUR-4467)
  - Treatment given to some specific technical problems in safety reviews in Europe, 23:4153
  - Treatment given to specific technical problems in safety reviews in Europe, 23:37364 (CONF-681101-37)
- KARWOWSKI, W. Asymptotic condition in quantum theory of a field with a parameter, 23:30812
  - Asymptotic condition in Zachariasen—Thirring model, 23:18966
  - Field theory describing interacting two-particle subsystems. II, 23:49200
  - Some useful relations connected with the asymptotic condition in quantum field theory, 21:27424
- KARYAGIN, S. V. Combinatorial method for calculating the Moessbauer hyperfine spectrum, 22:5442
- KARYAGIN, Yu. K. Debuncher of the JINR synchrophasotron injector with modulation of the accelerated beam energy, 25:56586 (JINR-P9-5956)
- KARYAKIN, A. V. Breakdown of the uranyl group in strongly acid solutions, 22:48866
  - Condensed products of a laser-produced plasma, 23:10676
  - Determination of Gd in Eu oxide, 23:45197
  - Determination of Nd as microimpurity in Eu oxide by luminescence spectra of crystal phosphors, 24:50343
  - Determination of Sm microimpurity in Eu oxide, 25:26162
  - Determination of small amounts of Tb, Dy, and Gd in Y_2O_3 by a luminescent method, 21:1296
  - Formation of polymer compounds by uranyl nitrate in tributyl phosphate extracts, 23:43314
  - Increasing the sensitivity and accuracy of the luminescence determination of the rare earths by the method of the periodical scanning of the spectrum, 25:2086
  - Increasing the sensitivity of the spectrographic determination of the platinum metals, 25:37298
  - Infrared spectra of the water contained in uranyl nitrate hydrates, 21:8261
  - Luminescence of phosphor SiO_2—Na_2SO_4—Gd and utilization for determination of microquantities of gadolinium, 23:40554
  - Luminescent determination of Gd, Eu, and Sm in metallic U, 23:37889
- KARYAKIN, Yu. E. Magnetohydrodynamic analysis of three-dimensional motion near the stagnation point, 22:38866
  - Magnetohydrodynamic laminar boundary layer in axially symmetric twisting flow, 22:52586
  - Three-dimensional self-similar boundary layers in a transverse magnetic field, 22:9175
- KARZHAVIN, S. V. Ion composition of melted mixtures of Na, K, Pb, and U chlorides, 22:33318
- KARZHAVIN, Yu. A. Development of track chamber picture processing systems at JINR, 25:13279 (CERN-70-21(Vol.2), pp 753-60)
  - Investigation of the model of the 2-meter streamer chamber of the SCM-200 assembly, 25:18774 (JINR-P13-5529)
  - New method of taking information from spark chambers, 25:42147
  - New method of the information extraction from spark chambers, 24:27403 (JINR-P13-5016)
  - Wire spark chamber with external acoustical transmitting element, 21:22148
- KARZHAVINA, E. N. Neutron resonances in ^{165}Ho, 21:21567
  - Neutron resonances of Er and Nd isotopes, 22:27219
  - Neutron resonances of Er isotopes, 21:17347 (JINR-P3-3097)
  - Neutron resonances of gadolinium isotopes, 24:22134 (BNL-tr-322)
  - Neutron resonances of Gd isotopes, 23:40053
  - Neutron resonances of Nd isotopes, 23:8981
  - Neutron resonances of neodymium isotopes, 22:7692 (JINR-P3-3564)
  - Neutron resonances of the erbium isotopes, 22:24868
  - Neutron resonances of the gadolinium isotopes, 22:42014 (JINR-P3-3882)
  - Neutron resonances of the gadolinium isotopes, 23:1873 (BNL-tr-222)
  - Neutron resonances of the samarium isotopes, 25:31305 (JINR-P3-5655)
- KARZINKIN, G. S. Safety engineering in labelling of young fishes with ^{45}Ca, 25:21726
- KARZMARK, C. J. G-value determination of the Fricke dosemeter for 50 kVp x-rays, 23:9477
  - Intercomparison of Fricke chemical, the LiF thermoluminescent and air ionization dosimeters for 6 MV, 250 KVCP and 50 KVP x rays, 23:7831 (CONF-680920-, pp 400-9)
  - Measurements of 6 MeV x rays. I, 22:24370
  - Measurements of 6 MV x rays. II, 22:28497
  - Measurements of 6 MV x rays. III, 22:28498
  - Patient dosimetry in electron treatment, 24:34543
  - Physical and dosimetric aspects of the radiotherapy of malignant lymphomas. II. The inverted-Y technique, 25:8734
  - Physical and dosimetric aspects of the radiotherapy of malignant lymphomas. I. The mantle technique, 25:8735
  - Physical aspects of whole-body superficial therapy with electrons, 23:6531
  - Some aspects of radiation safety for electron accelerators used for both x-ray and electron therapy, 22:40687
  - Standardisation of field-size specification in megavoltage radiotherapy, 23:9948
  - Standardisation of methods for dose-normalisation in radiotherapy, 22:31185
- KASA, I. Preparation and study of $CaSO_4$:Mn suitable for dosimetry, 25:49024
- KASA, Imre Preparation and study of $CaSO_4$—Mn suitable for dosimetry, 25:44702
- KASABOV, G. A. Cross section measurements needed for controlled fusion research, MHD generators, and other plasma studies, 22:38809
  - Experimental cross sections of radiative recombination of electrons on the 6P and 5D levels of Cs, 21:46155
  - Inequilibrate conductivity of argon—cesium plasma, 21:27133
  - Oscillator forces and profiles of the spectral lines of cesium in a plasma, 23:6986 (CEA-tr-R-1939)
- KASABOV, L. L. Chromosomal distrubances occurring after x-ray examination, 22:33797
  - Chromosomal disturbances following x-ray examinations, 25:42362
- KASACHKOVSKII, O. D. Development of fuel elements for BOR-60 reactor, 25:53898 (A/CONF.49/P-460)
- KASAHARA, Atushi Radiation injury and recovery in mice, 25:26980
- KASAHARA, Eiji Ionizing shock wave in transverse magnetic field, 24:26195
- KASAHARA, Eizi Study on the theta-pinch shock-wave tube, 23:1459
- KASAHARA, Katsuaki Atmospheric propagation of cosmic ray and models for multiple production. II, 24:37284
  - New method of high energy jet shower analysis, 22:46325
- KASAHARA, Katsumasa Lateral distribution of high-energy gamma-ray in air shower, 25:30793
- KASAHARA, Shoichi Effects of diagnostic x rays on chromosomes in infants, 21:41512
- KASAHARA, Tatsuo Development of long-duration MHD generator, 25:24940
- KASAI, Atsushi Estimation of dose by inhalation and monthly concentration in air of fallout, 22:47527 (JAERI-1156)
  - Fallout in diet and air, 21:14663
- KASAI, Atushi Environmental monitoring outside atomic energy installations. II, 25:15790
- KASAI, G. H. Laboratory simulation of plasma phenomena in comets, 22:13146
- KASAI, I. Prog. rpt. on photovoltaic effect and utilization of cells, semiannual, 7—12/66, 21:39658 (N-67-17985)
  - Prog. rpt. on radiation effects on Ge P-V cells, semiannual, 11/1/65—5/31/66, 21:11693 (N-66-33388)
- KASAI, Makoto Development of reactor in-core neutron monitor, 25:57025
  - In-core monitor, 23:15750
- KASAI, Mineo Space-dependent effects in Rossi-alpha experiments, 23:1770
- KASAI, Naoko Thermal expansion of Au_4V, 25:19229
- KASAI, Takeo Portable alarm meter, 24:31690
- KASAI, Takeshi Measurement of temperature in a high-frequency induction plasma, 25:22486
- KASAI, Tatsuo Portable radiation-exposure alarm and meter, 24:48271
- KASAK, F. Effect of dislocation defects in germanium monocrystals on Ge(Li) detector properties, 25:37617
- KASAK, Frantisek Low ^{90}Sr-activity determination in water, 21:1285
- KASAKOV, A. I. Plasma parameters and the population of excited atomic states in a low-current helium arc, 25:59017
- KASAKURA, S. Effect of irradiation in vitro on mixed leukocyte cultures and on leukocyte cultures with phytohemagglutinin, 22:19292
- KASAKURA, Shinpei Blastogenesis of lymphocytes induced by x-irradiated autologous lymphocytes, 24:7732
  - Blastogenic factor in unidirectional mixed cultures with x-irradiated cells, 25:24300
  - Factors affecting the strength of "one-way" stimulation with irradiated leukocytes in mixed leukocyte cultures, 22:40561
- KASAMANIAN, Z. H. Exact formal solution of the many-center problem, 22:41306
- KASAMATSU, T. Promoting chemical reactions by radioactive inert gas, 24:19014
- KASAMATSU, Tatsuhiro External irradiation for gynecologic tumors, 24:21257
  - Radiosensitivity test for cervix uterus cancer, 25:49310
- KASAMATSU, Tomomichi Irradiation device using an inert gas with a radioisotope, 23:9627
  - Irradiation device, 23:40925
  - Method for promoting a chemical reaction with radioactive gas, 25:6356
  - Safe handling of radioisotopes and radiation, 23:16303
  - Status and problems of industrialization of radiation chemistry, 23:11567
  - Use of ^{85}Kr radiation source for chemical reaction in liquid phase, 22:12344 (NSJ-tr-92)
- KASAMATSU, Toshio Method for producing sintered uranium nitride, 22:52248
- KASAN'YU, Yu. Studies of two-partially vacant states, 23:10986
- KASATKIN, A. P. Boundary conditions in the theory of systems of multiple particles, 25:1232
  - Kinetic equation for the system of interacting particles, 23:39589
  - Kinetic theory of the pinch effect, 25:36135
- KASATKIN, V. A. Nuclear-physical constants for neutron activation analysis, 23:37931
  - Use of NG-160 neutron generator for neutron-activation analysis of sandyclayey rocks to determine contents of silicon and aluminum, 25:48486
- KASATKIN, Yu. N. Radioisotope scintiphotography in brain diseases, 25:32504
- KASATKIN, Yu. S. Method of electroplating W, Mo, and stainless steels with Ni, 23:51022
- KASATKINA, A. G. Effect of ionizing radiation on food products, 25:16390 (JPRS-52121, pp 63-8)
- KASATKINA, L. A. Catalytic activity of Fe, Co, and Ni oxide during isotopic exchange reactions in CO_2 molecules, 22:128
  - Homomolecular CO_2 isotope exchange on metal oxides of IVth group, 23:35066
  - Investigation of the kinetics of the isotopic exchange of CO_2 on the surface of chromic oxide, 22:37736
  - Isotopic exchange in carbon monoxide molecules on zinc and iron oxides, 25:18387
  - Isotopic exchange of carbon monoxide on zinc oxide, 25:31899
- KASATKINA, V. I. Analysis of near-ground air radioactivity increases in the warm sector of cyclones, 23:17614
- KASAYA, Mitsuo Magnetic structure of MnB_2, 24:42818
  - NMR study of ferromagnetic β_1—MnZn, 23:42512
- KASCAK, Albert F. Effect of turbulence on radiant heat transfer in a gaseous-core nuclear rocket engine, 21:38642
  - Estimates of local and average fuel temperatures in a gaseous nuclear rocket engine, 21:42797 (NASA-TN-D-4164)
  - Heat- and mass-transfer characteristics of liquid-core nuclear rocket, 21:40652 (NASA-TN-D-4127)
  - Parametric study of large nuclear surface-effects machines, 23:37681
  - Parametric study of large nuclear surface effects machines, 24:4116 (N-69-36757)
  - Potential of nuclear power for high-speed ocean-going air-cushion vehicles, 24:2045 (N-69-35723)

KASCHAK, Marianne Experimental carcinogenesis, 23:35776
KASCHANI, D. Studies on the correlation of thyroidal function and size to thyroxine content of serum, 24:36708
KASCHE, Volker Specific protein—protein interaction and its application in studies on radiation-induced protein modification, 25:42303
KASCHEEV, I. N. Uranium—alkaline metal fluoride interaction, 23:38081
KASCHIEVA, S. Influence of γ radiation on surface states and hole mobility at Si—SiO$_2$ interface, 25:17290
KASCHL, G. 1p—Proton hole states, 24:43155
  Proton pick-up from magnesium isotopes: $^{24\ 25\ 26}$Mg(d,tau)$^{23\ 24\ 25}$Na, 25:25694
KASCHL, G. Th. Further indications for t-dependence of angular distributions, 25:28174
  Levels of ^{39}Cl studied by ^{40}Ar(d,^{3}He)^{39}Cl reaction at 52 MeV, 23:28278
  Proton pick-up from ^{19}F, ^{20}Ne, and ^{22}Ne, 25:12385
  Proton pick-up from $\tilde{2}$s—1d and 1p shells of ^{32}S, 24:3892
  Proton separation energies derived from (d,^{3}He) reaction on f-p shell nuclei at 52 MeV, 23:44880
  Shell effects in potential radii deduced from (d,^{3}He) angular distributions, 23:37356
KASCHLIK, K. Reaction (^{9}Be(^{6}Li,p)^{14}C), 23:21270 (ZFK-130, pp 174-7)
KASCHLUHN, F. Compositeness and vanishing of renormalization constants, 25:30958
  Compositeness conditions for particle poles. I, 23:23558
  Dispersion theory and impulse approximation for bound-state problems, 21:7566
  Equal-time behavior of current commutators in perturbation theory, 23:44707
  Gradient terms of current commutators in quantum electrodynamics, 24:49574
  High-energy limits of Feynman-like diagrams with Veneziano amplitudes, 25:25541
  N/C approach to πN scattering in P$_{11}$ state with short-range forces, 21:46536
  Singular equal-time behavior of current commutators in perturbation theory, 23:8839
  Theory of the neutron—proton capture, 21:42396
KASDAN, A. Interphase boundary waves in the intermediate state of lead, 25:9363 (NYO-2150-64)
  Interphase boundary waves in the intermediate state of lead, 25:30429
KASDEN, Abraham Magnetic field fit to the 30" BNL bubble chamber, 22:23319 (BNL-12374)
KASE, Hiromi Unitary spin as produced from internal spin, 21:17164
KASE, K. R. (MPC)/sub a/ for ^{13}N, 22:49338
  LRL participation at 5th Oak Ridge Nuclear Accident Dosimetry Intercomparison, 23:50176 (UCRL-50007-69-1, pp 27-34)
  Project Gasbuggy operational experiences, 23:15998 (UCRL-71356)
KASE, Kenneth R. Advanced radiation safety training course for monitors, 24:25497 (UCRL-50789)
  Lawrence Radiation Laboratory accelerator safety program, 24:5365 (UCRL-71706)
  Lawrence radiation laboratory accelerator safety program, 24:45639 (CONF-691101-, pp 435-9)
  Pocket dosimeter response in pulsed radiation fields, 21:26243 (UCRL-50007-66-2, pp 21-3)
  Radioactive gas production at 100-MeV electron linac facility, 21:37968
KASE, Paul G. Radiation model of man for analysis of future space missions, 25:26778
KASE, Toshio Loss of ^{35}S-labeled elementary sulfur during counting, 24:27006
KASEFF, Leon Late sequelae of Thorotrast, 24:21313
KASELOW, Dietrich Self-sterilization by radium cells, 22:40980
KASEMO, B. Mean square thermal displacement for surface atoms in nickel (001) surface, 25:12017
KASEMSANTA, S. P. Use of monoenergetic x-ray sources in x-ray fluorescence analysis, 25:41741
KASENTER, Albert G. Experimental pancreatic scanning, 24:21065
  Uptake studies in canine abdominal organs following ^{75}Se-selenomethionine administration by a variety of intravascular injection techniques, 25:13343
KASER, J. D. Analysis of air pulser performance for pulsed extraction columns, 25:34773 (BNWL-B-51)
  Estimation of molten core size in waste storage vessels and frozen wall waste melters, 23:31507 (BNWL-1004)
  Evaluation of atomizing nozzles for the spray solidification of radioactive waste, 23:43488 (BNWL-1066)
  Radioactive waste disposal using colemanite, 21:3233
KASER, John D. Development of a spray calciner—melter, 21:10575 (CONF-660208-, pp 326-74)
KASHA, H. Analysis of some results of quark searches, 24:5230
  Large area time-of-flight counter system, 22:4478
  Limit on the presence of heavy stable fundamental particles in the primary cosmic radiation, 22:32054
  Proton—proton triple scattering at 1.9 GeV, 23:25522
  Search for charge-2/3 quarks produced by cosmic rays, 21:18476
  Search for fractionally charged particles produced by cosmic rays, 21:915
  Search for particles with charge 2/3e in cosmic rays, 21:37183 (BNL-11544)
  Search for particles with fractional charge greater than or equal to $^4/_3$e in cosmic rays, 22:11241
  Spectrum of high-energy cosmic-ray muons at a zenith angle of 75°, 22:24080
KASHA, Henry Is quark the quarry, 25:7534
  Momentum spectrum and charge excess of cosmic ray muons at large zenith angles, 21:37184 (BNL-11545)
  Search for heavy singly charged particles in cosmic rays, 21:37185 (BNL-11546)
  Search for heavy triplets in cosmic rays, 22:46309
KASHA, M. Competition between biprotonic phototautomerism, excimer formation, and proton tunneling in DNA base-pairs, 25:26094 (COO-2039-9)
KASHA, M. A. Laboratory simulation of a satellite mounted plasma diagnostic experiment, 21:15051
  Laboratory simulation of a satellite-mounted plasma diagnostic experiment, 21:37300
  Laboratory simulation of geophysical phenomena, 21:703
KASHAROV, L. L. Investigation of primary cosmic radiation by tracks of nuclear particles in meteorites and tektites, 24:7629 (N-69-38123)
KASHCHEEV, B. L. Investigation of faint meteor characteristics by the radio method, 25:49642
KASHCHEEV, I. N. Extraction of plutonium by fluoride melts, 25:237
  Reaction of uranium and its alloys with alkali metal fluorides, 25:77
KASHCHEEV, V. M. Calculation of hydrodynamical characteristics of turbulent flow in rectilinear channels, 24:33842
  Turbulence scale in channels formed by closely packed rods, 22:21281
  Turbulent flow of a liquid in a tube or plane slit, 24:44192
KASHCHEEV, V. N. Energy distribution of one-phonon neutron scattering in crystals. II, 21:25203
  Energy distribution of one-quantum scattering of neutrons, 22:5713
KASHCHEI, V. A. Thin superconducting films in uhf field. II, 24:23894
  Uhf methods for investigation of the dynamic characteristics of thin superconducting films, 25:27652
KASHCHENKO, L. A. Problem involved in the reactivity of glandular parenchyma of the adenohypophysis in mice surviving acute radiation disease under conditions of partial marrow screening, 23:12220
KASHCHUK, V. A. Effect of modifying additions of Ti and Ni on [the structure and] some properties of cast Zr, 25:29835
  Effect of period v transition metals on the structure and properties of titanium, 25:27223
  Effect of small additions of V, Cr, and Mn on [structure and] properties of cast Zr, 25:27230
  Effect of small additions of vanadium and nickel on some properties of cast titanium, 25:27220
  Modification of cast Zr by additions of Ti, V, Cr, Mn, Fe, Co, and Ni, 24:27765
  Preparation of specimens of zirconium and its alloys for metallographic examination, 25:29817
KASHEF, B. Ghaffary ^{3}H/sub Λ/ and Λ—d scattering, 21:37837
KASHEF, Bayesteh Ghaffary Λ—d scattering as probe of the Λ—N core potential, 25:43651
  Scattering (Λd) as a probe of the ΛN core potential, 25:38757
KASHEVS'KA, O. M. Change in solubility of Ce, Pr, and Nd in Cr as a function of temperature, 25:27238
KASHEVSKAYA, N. G. Mechanism of radiation crosslinking of solid rubbers, 24:27126
  Stabilization of radicals formed during low-temperature radiolysis, 25:34640
KASHEVSKAYA, O. M. Phase diagram of the system chromium—praseodymium, 24:1038
KASHEVSKAYA, O. N. Variation in solubility of Ce, Pr, and Nd in Cr with temperature, 25:58237
KASHIDA, Koichi Measurement of pressure change in oxide powders, 22:23893
KASHIHARA, Hidechiyo Fast flux irradiation program in Japan, 24:41010 (TRG-Report-1911, pp 44-58)
  Fast flux test facilities planned for Japan experimental fast breeder reactor, 24:41053 (TRG-Report-1911, pp 519-30)
KASHIHIRA, N. Reactions ^{13}N-recoil in oxygen, 23:15911
KASHIKI, Masayuki Nebulization of solid samples for atomic absorption spectroscopy, 24:48031
KASHIMA, M. Serotonin and radiation effects on intestine, 22:49550
KASHIMA, Masatoshi Effect of ^{90}Sr and ^{131}I on respiratory ^{14}CO$_2$ patterns following ^{14}C-glucose administration in mice, 25:32572
  Radioprotective action of 5-hydroxytryptamine. II, 25:46897
  Whole body activation autoradiography, 24:31778
  Whole-body activation autoradiography, 25:13590
KASHIMURA, Katsuji Studies on mutations induced by radiations. I, 22:26003
KASHIN, A. A. Contribution to the method of investigating ionospheric drifts, 25:16918
  Drift of small-scale inhomogeneities at Mirny (the Antarctic), 21:39927
  Drift of small-scale inhomogeneities in ionospheric F2 layer, 25:2986
  Drifts in F2 region over Moscow in the IGY and IQSY periods, 24:17786
  Relationship between drift of inhomogeneities of F2 layer and current systems in dynamo region, 24:45108
  Relationship between S/sub q/-variations and drift in ionosphere, 22:34417
  Small-scale inhomogeneities of ionosphere in Antarctica, 24:17788
KASHIN, V. I. Melting of tungsten in a vacuum arc furnace with a consumable electrode, 23:33970
  Recrystallization process in tungsten, 23:8238
  Saturation by C of liquid Mo, W, and Re in arc furnace, 25:37964
KASHINA, T. K. Effect of gamma radiation on leaf structure, 25:21958
KASHIO, Eiji Characteristics of Toshiba gamma camera, 24:31696
  Data processing systems in nuclear medicine, 24:31757
  Solar slit camera, 24:31697
KASHIRINA, A. A. Azimuthal telescope for cosmic-ray registration, 23:41001
KASHIRSKII, E. A. Experimental investigation of a thermionic converter in the Knudsen mode, 25:47367
KASHIRTSEVA, M. F. Effect of material composition of rocks on formation of epigenetic uranium concentrations, 24:14092
  Influence of rock composition upon formation of epigenic concentrations of uranium, 23:47655
  Mineral and geochemical zonation of infiltration uranium ores, 21:36165
KASHIWABARA, H. Configurations of the free radicals in irradiated polypropylene and the relation of their decay reactions to the molecular motion, 22:123
  ESR studies of the photodegradation of polyethylene containing trapped allylic free radicals, 24:38976
  Molecular motion of peroxy radicals of polytetrafluoroethylene, 25:13034
  Relation of the decay of free radicals in irradiated polyethylene to the molecular motion of the polymer and the configurations of the free radicals, 22:40137
KASHIWABARA, Hisatsugu Anisotropic hyperfine constant in ESR spectrum of irradiated solution grown polyethylene, 23:11580
KASHIWABARA, Takao Radiation breeding of domestic fowls. I, 22:23643
  Radiation breeding of domestic fowls. III, 23:35895
  Radiation breeding of domestic fowls. IV, 23:35896
  Radiation breeding of the domestic fowls. II, 23:20380
  Radiation breeding of the domestic fowls. V, 24:46665
KASHIWAGI, Masaaki Effects of x-irradiation on goldfish, 24:51033
KASHIWAGI, Midori Radiation pasteurization of kamaboko fish cake, 22:43517
KASHIWAI, S. Sterilization of the Mediterranean fruit fly by irradiation: comparative mating effectiveness of treated pupae and adults, 25:49278
KASHIWAI, Shinichi Construction of a ring-electrode void meter, 22:21390 (AEC-tr-6930)
KASHIWAZAKI, M. Multistage image intensifier gamma camera, 23:33468
KASHIWAZAKI, Masaaki Development of universal scintillation scanner, 22:43046
  Universal scintiscanner newly developed, 23:2625
  Universal scintiscanner, 23:14018
KASHKAROV, I. E. Stellar—diurnal variations in cosmic-ray intensity, 21:29060
KASHKAROV, L. L. Angular distribution of shower particles generated by μ-mesons, 23:41993
  Determination of U in stony meteorites, 23:31321
  Determination of uranium in iron meteorites by the method of fission fragment track registration, 25:32872
  Investigation of the distribution of rare elements between the various phases of stone meteorites by neutron activation analysis, 23:4582
  Possibility of investigating the primary cosmic radiation intensity on the basis of tracks of nuclear particles in meteorites and tektites, 22:11249
  Studies of VH and VVH nuclei in mineral meteorites, 25:30317
KASHKIN, K. P. Change in activity of isoenzymes of rats during acute radiation sickness, 24:7750
  Change in serum proteins in rats with radiation lesions, 21:11024
  Cytological shifts in the spleen and the types of antibodies observed at the primary immunological response in intact and irradiated rats, 22:38222
  Effect of a whole-body gamma-irradiation upon the blood serum proteins in monkeys, 21:20336
  Rat blood proteins during radiation injury, 21:6439
  Urine proteins during acute radiation sickness of animals, 22:51384
KASHKIN, Yu. F. Influence of nonconducting partitions on terminal-induced electric currents, 25:30347
  Pre-electrode voltage drop during plasma interaction with an electric field in an electric discharge tube, 22:29510
  Slowing of plasma clusters in inhomogeneous magnetic field, 23:42033
KASHKINA, G. B. Influence of chronic irradiation on the microflora of the soil of a gamma field, 24:9804
  Postradiation changes in soil microorganisms, 23:18138
  Resistance of fungi to γ radiation, 23:43909
  Survival of soil microorganisms upon γ irradiation of soil, 21:34830
KASHKOVSKAYA, E. A. Heavy plastic concrete, 23:5447
  Heavy resin concrete: material for radiation shielding, 23:32549 (K-Trans-52)
KASHLIK, K. Cross sections for reactions ^{16}O(t,α)^{15}N and ^{16}O(t,p)^{18}O from 0.6 to 1.75 MeV, 21:21466
KASHPIROV, S. N. Uranium mineralization in subvolcanic rocks, 24:36430
KASHPRUK, V. F. Electrodynamic plasma acceleration in high-current pulsed accelerators, 24:37463
KASHTALYAN, Yu. O. Characteristics of Ta elasticity at 20 to 1800°C, 22:34056
KASHTANOV, A. I. Dispersion type fuel elements for nuclear reactors, 24:19380 (JPRS-49787)
  Dispersion-fuel nuclear reactor elements, 22:38618 (AEC-tr-6878)
  High-temperature nuclear fuel, 23:30169
  Highly refractory elements and compounds, 25:32699
  Nuclear reactor dispersion fuel elements, 24:2070
KASHU, S. Preparation of Zircaloy standards sample, 24:970
KASHU, Seiichiro Melting and casting refractory or reactive metals by using a plasma-electron-beam, 21:34875
  Melting and casting refractory or reactive metals by plasma electron beam, 22:6941
  Preparation of Zircaloy standard samples for spectrochemical analysis, 23:92
  Preparation of zircaloy standard samples for spectrochemical analysis, 23:7460
KASHUBA, A. Thomas Multielement analysis of lunar soil and rocks, 24:20733

- KASHUBA, I. E. Analysis of elastic scattering of polarized 3.4 MeV neutrons by S, Cu, Zn, and Zr nuclei, 21:44619
  - β-transitions in model of non-axial odd nucleus, 24:6950 (ITF-69-52)
  - Electromagnetic transitions in nonaxial odd nuclei, 23:44929
  - Low energetic excitations of odd nonaxial nuclei, 21:27600
  - Neutron elastic scattering on Ti and Cr nuclei, 24:38159
  - Neutron scattering of 2.9 MeV by Ti and Cr nuclei, 24:24526
  - Optical model analysis of elastic scattering and neutron—nucleus polarization over 4-MeV range, 22:24918
  - Parameters of nuclear optical model from data on 1.5-MeV neutron elastic scattering, 22:24840
  - Parameters of optical nuclear model according to elastic scattering of polarized neutrons, 25:28248
  - Properties of nonaxial odd nuclei, 23:19327 (ITF-68-58)
  - Rotational-one-particle excitations in the model of nonaxial odd nucleus with allowance for its deformability, 25:7885 (ITF-70-47)
  - Sum rules in model of a nonaxial odd nucleus, 23:44991
- KASHUK, V. A. Modification of cast zirconium by additions of transition metals, 25:58258
- KASHUKEEV, N. Absolute energy calibration of semiconductor detectors for fission fragments, 23:43591
  - Change in electric conductivity of nonlinear silicon carbide resistors with gamma radiation, 25:44749
  - Determination of geological age of some Bulgarian mica by method of the U fission fragment tracks, 24:46351
  - Gamma-radiation-induced changes in SiC semiconductor varistors, 25:57903
  - Gamma-radiation-induced desorption of gas from SiC varistors, 25:55102
  - Kinetic energy of fragments in fission of ^{235}U with 0.006 to 20 eV neutrons, 24:30789
  - Kinetic energy variation of fragments of ^{235}U fission by 0.006- to 20-eV neutrons, 23:8975 (JINR-P3-4110)
  - Kinetic energy variation of fragments of ^{235}U fission by 0.15 to 1.68 MeV, 24:22142 (JINR-P3-4873)
  - Kinetic energy variations of fission fragments in ^{235}U neutron resonances, 22:39672
  - Possibility of absolute calibration of semiconductor detectors for fission fragments, 21:16170
  - Statistical analysis of neutron resonance parameters and sigma/sub f/ for ^{235}U, 24:52634
- KASHUKEEV, N. T. Dependence between mass, velocity, and energy distributions of fission fragments, 22:22600
  - Mechanical generator for ultracold neutrons, 25:43774
  - Method for determination of microquantities of uranium in specimens with unknown chemical composition, 23:24108
  - Use of fission fragment mica and glass detectors for recording neutron beams, 22:40434
- KASHUTIN, A. A. Optimization of fast reactors taking thermal, strength, and physical characteristics into account, 23:52312 (JPRS-48331, pp 438-55)
  - Optimization of physical characteristics of nuclear reactors, 23:52467
- KASHY, E. Beam transport system of the Michigan State University cyclotron, 21:38049
  - Energy calibration method for beam analyzer—magnetic spectrograph combinations, 24:35764
  - Energy dependence and spectroscopy of the ^{16}O(p,d)^{15}O reaction, 24:15809
  - Energy of the second excited state of ^{12}C and the rate of the triple-alpha reaction, 25:11565
  - Energy reproducibility in beam analyzing magnets, 21:27490
  - Form factors (^{16}O(p,d)^{15}O), 24:40711
  - High resolution nuclear studies using cyclotron beams, 25:31124
  - Hole states of ^{43}Ca and ^{47}Ca, 22:3647 (PUC-937-168)
  - Isobaric mass equation in A = 4n + 1 nuclei, 25:59882
  - J-dependence in the ^{54}Fe(p,d)^{53}Fe reaction, 21:4263
  - Neutron-hole-state structure in N = 81 nuclei. I. ^{144}Sm and ^{142}Nd (p,d), 25:56770
  - Potassium-36 and T = 1 analog in ^{36}Ar, 21:13827
  - Precise energies of ^{40}Ca levels, 22:44661
  - Precision mass measurement of ^{9}C, ^{13}O, and ^{21}Mg, 25:43823
  - Reaction (p,d) in Ti isotopes, 24:52503
  - Reaction ^{14}N(p,d)^{13}N at 30 MeV, 21:33892
  - Reaction ^{15}N(p,d)^{14}N at 39.8 MeV, 24:15850
  - Remote controlled slits for the MSU cyclotron external beam system, 22:46647
  - Semiconductor position sensitive detectors in magnetic spectrographs, 25:2463
  - Study of reactions ^{10}B(p,d)^{9}B and ^{11}B(p,d)^{10}B, 22:18135
  - T/sub Z/ = -$^{3}/_{2}$ masses and isobaric multiplet mass equation, 25:5568
  - Ultra-high resolution spectrometer system, 25:17623
- KASI, Servo Influence of rare earths on neutron moisture measuring, 23:17559
- KASIDA, Yoshiko Use of commercially available nonionic surfactants in liquid scintillation counting for tritium, 24:2141
- KASIDA, Yosihiko Carbon-14 in alcohol, 25:28990
  - Hydrogen exchange reaction of aminobenzoic acid. I, 23:40662
  - Matching photomultipliers to solutes in liquid scintillation counting, 22:8343
  - Recent radiocarbon in plants, 22:40710
- KASIKOV, I. I. Operation of a cesium thermionic converter in the presence of an inert gas, 21:5117
  - Volt-ampere characteristics of low-voltage arc discharge, 22:28203 (FEI-95)
- KASILOV, V. A. Cross sections of nuclear fission by photons with up to 5 GeV energies, 25:34076 (KHFTI-70-27)
- KASILOV, V. I. Disintegration of heavy nuclei by electrons and positrons, 24:24561
  - Nuclear photofission cross sections for photon energies up to 5 GeV, 25:59794
  - Positron yield from thick targets, 23:21202
- KASIM, M. M. Non-mesonic decay of hypernuclei produced by K-mesons of 3.0 GeV/c momentum, 25:5277
- KASIMOVSKAYA, E. E. Investigation of the radioluminescence of liquid organic scintillators in strong electric fields, 23:40687
  - Radioinduced electric conductivity of polymers in a high-intensity electric field, 23:28821
- KASINOV, V. B. Rate of reproduction and survival of duckweed Lemna minor after γ irradiation, 21:22787
  - Reversed development order of corymbs in irradiated colonies of Lemna minor, 21:9017
  - Sensitivity of Bacillus to uv irradiation, 24:23406
- KASINOVA, G. V. Sensitivity of Bacillus to uv irradiation, 24:23406
- KASIURA, Krzysztof Colorimetric determination of Ni with 6-(thiazolylazo)-3-dimethylaminophenol (TAM), 22:25246
  - Colorimetric determination of U with 6(2-thiazolylazo)-3-dimethylaminophenol, 21:32
- KASIVISWANATHAN, G. A. Proton precession magnetometer, 21:12725
- KASK, N. E. Displacement of F^{-} ions in CaF$_2$ crystals by γ irradiation, 22:13541
- KASKAS, James Deviations from charge independence in nuclear forces, 24:24396
  - Graviton bremsstrahlung and infrared divergence, 23:42751
  - Pion theory of relativistic nucleon—nucleon interaction, 22:39430
- KASKEL, Ira Stellar opacity program manual "STOP", 22:38655 (N-68-18064)
- KASLINA, N. A. Rezarson as a reagent for molybdenum, 23:13644
  - Rezarson as a reagent for the spectrophotometric determination of niobium, 25:57333
- KASMAN, Ya. A. Spin waves near Curie point, 23:36797
- KASNER, W. H. Atomic collision processes occurring in atmospheric gases, 21:33395 (AFWL-TR-66-121)
  - Pressure and temperature dependence of electron—ion recombination in neon, 22:15527
  - Prog. rpt. on atomic collision processes in atmosphere, 8/31/65, 21:593 (AD-631485)
  - Temperature dependence of electron—ion recombination in nitrogen, 22:5344
  - Temperature dependence of the electron—O$_2^+$-ion recombination coefficient, 22:47806
- KASOWSKI, R. V. Superconductivity and band structure from a single pseudopotential: zinc and cadmium, 23:8541
  - Temperature dependence of the Knight shift in Cd, 23:25470
  - Temperature-dependent Knight shift in cadmium, 24:10643
  - Temperature-dependent optical properties of Zn and Cd, 24:10635
- KASPAR, G. Static quadrupole moment of first excited 2$^+$ state of ^{152}Sm and ^{166}Er by Coulomb excitation with ^{16}O-ions, 24:49814
- KASPAR, H. Conservation of muonic lepton number, 23:42540
  - Conservation of μ-lepton number, 24:21926
  - Special type multiwire counter for particle detection and ionisation measurement, 25:48916
  - Upper limit of the anti τ-contamination in the CERN neutrino beam, 24:15708 (CERN-69-28, pp 47-53)
- KASPAR, J. Thermodynamic conditions of the origin of uraninites, 25:18551
- KASPAR, K. Electric quadrupole focusing in linear ion accelerators, 23:19072 (BNL-50120(Pt.2), pp 745-54)
- KASPAR, L. V. Fixation of ^{137}Cs by urinary calculi, 23:35618
- KASPAREC, I. Activation analysis at the Institute of Applied Geophysics, Brno, 25:2131
  - Substoichiometric determination of cadmium by isotopic dilution analysis, 23:17342
- KASPAREK, I. Functional changes of ear caused by radiation, 24:32242
- KASPAREK, L. Functional changes in the vestibulocochlear analyzer due to irradiation, 25:8792
- KASPAROVA, O. V. Decomposition kinetics of β-solution in Mo—Ti alloys, 24:51166
  - Irregular degradation of the β-phase in the Ti alloy BT15, 25:24598
- KASPARYAN, R. M. Phase equilibria in the high-alumina region of the system Al$_2$O$_3$—Nb$_2$O$_5$, 25:42985
- KASPER, Erwin Classical field theory for the inner structure of electrons, 25:1620
  - Theory of inelastic scattering of electrons in crystals, 23:23264
- KASPER, Horst Coordinate relations in zinc niobate and zinc tantalate, 22:19655
- KASPER, J. S. Particle track studies of lunar material, 24:21541
  - Pulsed linac neutron diffraction, 22:45327
- KASPER, Jerome V. V. Restricted rotation in solid deuteromethanes, 21:8284
- KASPER, John S. Crystal structure of phi phase in B—Na system, 24:21439
  - Crystal structure of the boron—thorium system. A new boride with type YB$_{66}$ structure, 25:27301
  - Structural trends in the elements, 24:25736
- KASPER, K. Plant for continuous sintering of Pu-containing fuels, 23:18200
- KASPER, R. B. Gamma dosimetry systems used for nuclear accident dosimetry, 22:8395
- KASPER, R. G. Velocity dependence in the potentials for neutron scattering models, 25:46118
- KASPER, U. Treder tetrad theory of gravitational fields, 24:49598
- KASPER, Uwe Nonoccurrence of cosmological singularities in Treder's gravitation theory, 22:17309
- KASPEREK, K. Activation analysis of resorbed elements by enriched stable isotopes, 24:4253
  - Application of activation analysis in biology and medicine, 23:24688
  - Essential trace elements in livers measured by neutron activation analysis, 25:31867
  - γ spectra of elements occurring in organisms after activation with thermal (reactor) neutrons entered according to decay time, 24:31255 (JUL-559-ME)
  - Importance of trace-elements in the biosphere and their activation-analysis, 24:48359
  - Neutron activation estimation of cobalt and calcium, 24:11484
  - Techniques of activation analysis and their importance in biology, 24:48054
  - Uses of a research reactor for medical investigations, 25:18886
- KASPEROVICH, A. I. Activation of corrosion products in the primary loop of a pressurized-water reactor, 25:23276
  - Certain regularities and reactions observed during the irradiation of sulfur-containing resins in water, 23:35225
  - Gas elution in the first circuit of water-cooled nuclear reactor with gaseous pressurizer, 24:29006
  - Mechanism of ionizing-radiation action on sulfocations, 24:25066 (AD-700348)
- KASPEROVICH, A. N. Effects of structure of macromolecules of sulfocationites on their radiation stability, 23:6152
- KASPEROVICH, V. S. Short-range magnetic ordering in RbNiF$_3$ above the Curie point, 22:1321
- KASPRZAK, H. Role of the olfactory bulbs in x-ray detection, 21:6629
- KASPRZAK, W. T. Composition of lower thermosphere during summer 1967, 23:5308
  - Day—night variations in the neutral composition of the lower thermosphere, 23:1284
  - Evidence for a helium flux in the lower thermosphere, 23:12690
- KASPRZYCKI, K. Effect of methandrostenolone on the histopathological radiation lesions in mice, 22:40775
- KASPRZYCKI, Konrad Effect of methandrostenolone on histopathologic postirradiation lesions in mice, 21:34707
- KASPRZYKOWSKI, W. Facility for observation of radioactive samples in hot cell of EWA reactor, 22:33582 (INR-870/XIV/PS)
- KASRAI, M. Atomic ^{35}S in an alkali chloride matrix, 22:4203
  - Chemical effects of nuclear transformations in alkali chlorides. III, 25:57503
  - Nuclear transformations in alkali chlorides. II, 24:27135
- KASS, Leon R. Indirect induction of lysogenic bacteria, 23:48282
- KASS, R. S. Quenching of metastable hydrogen by helium, 25:52654
- KASS, S. Aqueous corrosion of Zircaloys, 23:16468
  - Corrosion and H absorption properties of Zircaloy-4 alloys containing additions of Nb, 22:19480 (WAPD-TM-647)
  - Corrosion and hydrogen pickup of Zircaloy, 23:12277
  - Effects of pressure upon corrosion of Zircaloy-4, 23:10159 (WAPD-TM-782)
- KASS, Stanley Aqueous corrosion performance of zirconium—niobium—copper alloy, 24:34847 (WAPD-TM-754)
  - Corrosion and H absorption characteristics of Zr alloys containing Fe, Cr, Sn, and Nb, 21:18210 (WAPD-TM-543)
  - Corrosion and H absorption characteristics of Zr alloys containing Fe and Cr in water and steam, 22:21655 (WAPD-TM-517)
  - Corrosion and H absorption characteristics of Zr alloys containing Sn and additions of Fe, Cr, and Nb, 22:28738 (WAPD-TM-619)
  - Corrosion and hydrogen pickup of zircaloy in concentrated lithium hydroxide solutions, 22:4734 (WAPD-TM-656)
  - Corrosion of prefilmed zircaloy, 22:12979
  - Influence of prior corrosion history upon the hydrogen pickup by Zircaloy during subsequent exposure in hot water, 25:11349 (WAPD-TM-906)
- KASS, W. J. Isotope effects in the diffusion and solubility of hydrogen in nickel, 21:13648
  - Isotope effects in the diffusion and solubility of hydrogen in nickel and quantum mass effects in diffusion, 21:40810 (AD-647366)
  - Quantum mass effects in diffusion, 21:42183
  - Solubility and diffusion of hydrogen and deuterium in platinum, 23:210
- KASS, William J. Anomalous temperature dependence of kinetic carbon isotope effects and the phenomenon of crossover, 23:7512
  - Anomalous temperature dependence of kinetic carbon isotope effects and the phenomenon of crossover, 23:37967
  - Three-element reaction coordinates and intramolecular kinetic isotope effects, 24:4281
- KASS, William Joseph The diffusion and solubility of hydrogen and deuterium in nickel and platinum, 22:35813
- KASSABOV, G. Extraction of tetravalent Th, 24:9459
- KASSABOV, J. Influence of gamma radiation on some parameters of p-inversion layers at the Si/SiO$_2$ interface, 25:21528
  - Influence of γ radiation on surface states and hole mobility at Si—SiO$_2$ interface, 25:17290
- KASSABOW, G. Extraction of lanthanides by means of thenoylfluoracetone. II, 21:39009
- KASSAI, T. Radiation-attenuation of helminth larvae, 21:16456
- KASSAL, T. T. Energy transfer between N$_2$ and electronically excited inert gas atoms and ions, 25:14012
- KASSCHAU, M. R. Pyrimidine dimers in mammalian cells surviving low doses of uv radiation, 21:34620
- KASSEL, Simon Neural effects of microwaves, 22:10823 (ATD-66-133)

- KASSEM, A. A. Kinetics of /sup 99m/Tc labelling of tyrosine, 24:36681
  - Preparation of colloidal solution of zirconyl phosphate with ^{32}P for radiotherapeutic purposes. II, 21:45723
  - Preparation of colloidal solution of zirconyl phosphate labeled with ^{32}P for radiotherapeutic purposes. III, 22:6755
- KASSEM, Abdel-Hamid A. Use of ionizing radiation for the hydrolysis of pectins and the effect on the properties of the extracted pectins, 25:8823
- KASSEM, Ibtesam Abdel Aziz Production of haploid/diploid chimeras of Xenopus laevis larvae by irradiation, 22:49322
- KASSIMOVA, A. Dependence of layer E2 on height of sun and geographic latitude, 21:37323
- KASSINOVA, G. V. Reversion frequency in polyauxotroph E. coli, 22:36228
- KASSIROV, S. A. Fission process in atomic nuclei in transition region, 25:56786
- KASSMAN, Allen Jay Kinetics of methyl iodide—iodine exchange in shock tube, 24:11532
- KASSNER, D. A. Fourteen-foot bubble chamber: mechanical design of magnet coils, 21:30685 (BNL-11267)
- KASSNER, David A. Cooling spacer strip for superconducting magnets, 24:47179
- KASSNER, F. Landing and roll-out-aid-using γ-ray techniques, 25:465
- KASSNER, T. F. Application of thermodynamic and kinetic parameters of the V—O—Na system to the sodium corrosion of vanadium-base alloys, 25:2622
  - Calculations of the thermodynamic driving force for carbon transport in sodium-steel systems, 24:29933 (ANL-7646)
  - Calculations on kinetics of O solution in Ta and Nb in liquid-Na environment, 22:10910 (ANL-7335)
  - Contamination of surfaces during high-energy electron irradiation, 24:17339
  - Rate of solution of rotating tantalum disks in liquid tin, 21:32881
  - Thermodynamic and kinetic aspects of carbon transport in sodium—steel systems, 25:4755
- KAST, J. W. Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 23:49422
  - Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 24:52603
  - Isotone shift in muonic x-rays in the tin region, 25:43904
  - Magnetic dipole hyperfine structure in muonic atoms, 25:53761
  - Measurement of nuclear gamma ray in muonic ^{152}Sm, 21:27611
  - Muonic atoms. I, 25:3661
  - Parameters of the charge distribution of deformed nuclei, 24:52601
  - Resonance process and intensity anomaly in muonic ^{127}I, 24:52604
- KASTAL'SKII, A. A. Radiative recombination in GaSb excited with electron beam, 25:7469
- KASTELAN, Andrija Immunologic status of host and response of a methylcholanthrene-induced sarcoma to local x-irradiation, 24:48452
- KASTELEWICZ, H. Correlation damping of longitudinal plasma waves in a nondegenerate magnetoplasma, 25:30621
  - Correlation damping of longitudinal plasma waves in a magnetoplasma, 25:40719
- KASTELIC, Boris Therapeutic effect of diagnostic dose of radioactive iodine on subacute thyroiditis, 23:8029
- KASTEN, Gerhard Design of ^{60}Co laboratory irradiation installation using discarded 1000-Ci therapy apparatus, 21:45316
- KASTEN, P. Hyperfine structure in Lu(III) spectrum and nuclear magnetic dipole moment of ^{175}Lu, 22:11972
- KASTEN, P. R. Comparative evaluation of the performance and economics of heavy-water-moderated reactors, 22:30255
  - Enhancing uranium utilization with a molten-salt breeder reactor, 22:14173
  - Evaluation of heavy-water-moderated organic-cooled reactors, 21:23610 (ORNL-3921)
  - Evaluation of plutonium use in high-temperature gas-cooled reactors, 25:41449
  - Graphite behavior and its effects on MSBR performance, 23:15602 (ORNL-TM-2136)
  - Graphite behavior and its effects on MSBR performance, 23:22695
  - Molten-salt reactors: history, status, and potential, 24:11156
  - Outlook for molten-salt power reactors, 24:29029
  - Role of thorium in power-reactor development, 25:668
  - Utilization of the thorium cycle in the HTGR, 25:39269 (A/CONF.49/P-837)
- KASTEN, Paul R. Cross-section and nuclear-constant data for heavy metal nuclides, 24:24552 (ORNL-TM-2851(Rev.))
  - Evaluation of plutonium use in high-temperature gas-cooled reactors, 25:60097 (ORNL-TM-3525)
  - Fuel utilization performance of molten-salt power reactors, 21:38574
  - Fuel-cycle analysis of molten-salt breeder reactors, 21:12187
  - Safety program for molten-salt breeder reactors, 21:30168 (ORNL-TM-1858)
  - Summary of molten-salt breeder reactor design studies, 22:24935 (CONF-660524-, pp 41-63)
- KASTENBAUM, M. A. Late somatic effects in mice irradiated with fast neutrons, 22:31237
  - Reduced secondary disease mortality in mouse radiation chimeras, 21:26617
  - Secondary disease mortality in rat-mouse radiation chimeras, 25:8619
- KASTENBAUM, Marvin A. Adequate sample sizes for randomized block designs, 24:16376 (ORNL-4527)
  - Computer analysis of three-factor interactions in contingency tables, 23:28660 (ORNL-TM-2569)
  - Credibility and inference in experimentation, 25:42715
  - Sample size requirements: tests of equality of several Gaussian means, 24:4188 (ORNL-4468)
  - Tables for determining the statistical significance of mutation frequencies, 25:2559
- KASTENBERG, W. E. New curriculum in nuclear science and engineering at UCLA, 24:7067
  - Space—time analysis of nonlinear reactor systems, 21:38582
  - Space—time behavior of an adiabatic reactor, 22:5989
  - Stability of a reactor with positive feedback, 22:5988
- KASTENBERG, William E. Analysis of space—time reactor systems using the method of semi-groups, 24:7333
  - Application of comparison theorems to problems in space-dependent reactor dynamics, 23:37735
  - Application of semi-group theory to problems in space-dependent reactor dynamics, 23:37736
  - Axial kinetics model for fast reactor disassembly accidents, 25:57080 (CONF-710302-(Vol.1), pp 167-79)
  - Comparison theorems for nonlinear point reactor dynamics equations, 25:6153
  - Determination of stability domains in nonlinear point reactor dynamics, 25:23406
  - Effects of fuel chilling on Doppler-controlled fast reactor accidents, 25:6069
  - Fast reactor safety in nuclear science and engineering curriculum, 25:6063
  - Methods of Lyapunov and comparison functions and their application to space-dependent reactor kinetics, 23:4427
  - Slowing down of neutrons in mixtures, 25:5484
  - Space dependent reactor kinetics with positive feedback, 22:42286
  - Space—time dynamics studies in large LMFBR's with feedback, 24:7324
  - Space—time effects in fast reactor dynamics, 25:10180
  - Stability criterion for space-dependent nuclear-reactor systems, 23:33105
  - Stability domains in space dependent reactor dynamics, 23:37694
  - Stability of a reactor with arbitrary feedback, 22:32889
  - Stability of nonlinear space-dependent reactor kinetics, 22:14319
- KASTENBERG, William Edward Stability analysis of non-linear space dependent reactor kinetics, 22:15938
- KASTERKA, Barbara Colorimetric determination of Ce using N,N'-di(β-hydroxypropyl)-o-phenylenediamine, 21:12338
  - Determination of impurities in high purity tellurium. III, 25:54414
- KASTLER, Alfred Modification of atoms by a radiation bath, 23:30332
- KASTLER, D. Broken symmetries and Goldstone theorem in axiomatic field theory, 22:17981
  - Commutants of certain operator algebras on Fock space, 21:2516
  - Ergodic states in a noncommutative ergodic theory, 22:35093
  - Nets of C*-algebras and classification of states, 24:26454
- KASTNER, J. Cellulose-nitrate films for α autoradiography of bone, 24:48635
  - Curium-244 and ^{145}Sm—^{145}Pm x-ray sources, 25:4647 (CONF-700515-, pp 274-9)
  - Ecological dosimetry, 24:31977 (ANL-7489, pp 116-17)
  - Effects of fast neutron exposure on ^{7}LiF thermoluminescent response to gamma rays, 21:36405
  - Electro-optical techniques for ultrasensitive radiophotoluminescent dosimetry, 23:7848 (CONF-680920-, pp 670-6)
  - Environmental neutron measurements with solid-state track recorders, 24:31714
  - Environmental neutron measurements with solid-state track recorders, 24:41671
  - Linearity of response for LiF at low exposures, 24:31736 (ANL-7489, pp 124-5)
  - Neutron exposure to lunar astronauts, 24:9833
  - New developments in photoluminescent microdosimeter measurement, 22:38116
  - Nuclear radiation detection for the natural environment, 24:39254
  - Production rates of neutrons in soils due to natural radioactivity, 22:30705
  - Relationship between encapsulation and apparent fast neutron-induced fading in TLD, 25:26536
  - Spectral analysis of thermoluminescence glow curves, 23:7845 (CONF-680920-, pp 623-31)
  - Thermoluminescence in bone and bone-like materials, 24:31978 (ANL-7489, pp 117-24)
  - Ultrasonic excitation of thermoluminescent lithium fluoride, 23:26593
- KASTNER, Jacob Analysis of the response of Ge(Li) and Si(Li) detectors to 46.5-keV gamma ray of ^{210}Pb, 25:15878 (ANL-7760(Pt.1), pp 28-32)
  - Cellulose nitrate films for α autoradiography, 24:27326 (ANL-7615, pp 1-3)
  - Curium-244 and ^{145}Sm—^{145}Pm x-ray sources, 25:15835 (ANL-7760(Pt.1), pp 33-5)
  - Ecological dosimetry: radiation levels influenced by plant growth, 21:18045
  - Effect of soil and water on cosmic ray neutrons, 23:46307
  - Efficient Kerr cell for use in the uv, 25:15961 (ANL-7760(Pt.1), pp 1-12)
  - Environmental neutron measurements, 24:27330 (ANL-7615, pp 198-201)
  - Environmental neutron measurements with solid state track recorders, 25:44656
  - Gamma-ray and radar interactions, 21:8549
  - Lithium fluoride thermoluminescent dosimetry for β rays, 21:26240 (CONF-650637-, pp 482-9)
  - Measurements of cosmic-ray neutron background, 22:2425
  - Muscle-equivalent environmental radiation meter of extreme sensitivity, 22:2380
  - Neutron exposure to astronauts, 24:27580 (ANL-7615, pp 204-6)
  - Passive moisture meter, 25:55061
  - Pulsed uv laser beam for readout of photoluminescent dosimeters, 23:2670
  - Radiographic nondestructive testing method, 22:4379
  - Radiophotoluminescent dosimetry employing a uv laser, 25:15946 (ANL-7760(Pt.1), pp 13-20)
  - Relationship between encapsulation and apparent fast neutron-induced fading in thermoluminescent dosimeters, 25:15947 (ANL-7760(Pt.1), pp 21-7)
  - Thermoluminescent dosimeters by fast neutrons, 24:27478 (ANL-7615, pp 201-3)
  - Thermoluminescent dosimetry and environmental radiation studies, 21:26212 (ANL-7220, pp 115-19)
  - Thermoluminescent dosimetry of internal beta-ray emitters, 21:26210 (ANL-7220, pp 23-7)
  - Thermoluminescent image-detection method for neutron radiography, 23:33349
  - Thermoluminescent internal beta-ray dosimetry, 22:31107
  - Ultraviolet laser excitation for ultra sensitive photoluminescent dosimetry, 21:1656
  - Uv laser excitation for ultrasensitive photoluminescent dosimetry, 21:26211 (ANL-7220, pp 27-9)
- KASTNER, S. O. Approximate higher ionization potentials for the heavier elements, 23:22902
  - Oscillator strengths for resonance lines of ions in the neon isoelectronic sequence, 21:20634
  - Spectra of ions in the fluorine I isoelectronic sequence from Sc XIII to Cu XXI, 22:19761
- KASTNER, Sidney O. Average energies of ground and singly and doubly excited configurations in highly ionized atoms, 25:43069 (N-71-20535)
  - Average energies of ground, singly, and doubly excited configurations in highly ionized atoms, 25:4945
  - Oscillator strengths for resonance lines of some silicon and sulfur ions, 22:876
- KASTNER, W. Burnout tests in the scope of technical safety investigations, 24:24824
  - Mathematic calculation for instability in two-phase flow, 23:16036
- KASTRUP, H. A. Bremsstrahlung model for high-energy elastic nucleon—nucleon scattering, 24:6733
  - Bremsstrahlung model for p—p elastic scattering, 24:10780
  - Bremsstrahlung model for proton—proton elastic scattering at high energies, 24:24400
  - Gauge properties of Galilei space, 23:5650
  - Gauge properties of the Minkowski space, 21:945
  - Gauge properties of the Minkowski space, 23:34655
  - Large-angle scattering at very high energies and unitary symmetries, 21:25325
  - Partially conserved dilation and special Liouville currents combined with chiral current algebras, 24:13067
  - Quantum mechanics as a broken symmetry, 23:5501
  - Some remarks on parity violation, 21:21199
- KASTRUP, H. S. Sum rule for the $I = 0$, s-wave phase shift in meson—meson scattering, 24:13068
- KASTRUP, H. W. High energy collisions of hadrons, 23:34619
- KASTRUP, Hans A. High-energy and high-momentum transfer collisions of hadrons, 22:39362 (CERN-68-7(Vol.2), pp 93-101)
- KASTURIRANGAN, K. Atmospheric gamma-ray spectrum up to 6 gm cm^{-2} over 7.6 °N geomagnetic latitude, 25:36000
  - Cosmic ray charged particles and photons in the atmosphere, 21:3713
  - Secondary background properties of x-ray astronomical telescopes at balloon altitudes, 25:39715
- KASUBA, R. Bearing shaft system dynamics, 21:14355 (MTI-66TR66, pp 7.1.1-34)
- KASUGA, Takekuni Rib fracture by postoperative irradiation of breast cancer, 23:31768
- KASUGA, Tsutomu Electron microscopic study of radiation effects on cultured cells with different radiosensitivities, 25:58085
  - Pathology of early death in atomic bomb casualties in Hiroshima, 23:38745
- KASUGA, Yasuhiro Loss of coolant accident in water cooled nuclear power reactors. II, 23:33060 (AEC-tr-7047)
  - Loss-of-coolant accident in water-cooled nuclear power reactors. III, 25:10246
  - Loss-of-coolant accident. II, 23:15665
  - Studies on loss-of-coolant accident in water-cooled nuclear power reactors. III, 25:54168
- KASUMOV, Y. M. Electromagnetic corrections for neutrino (antinuetrino)—nucleon interaction with lepton formation, 23:5587
- KASUMOV, Yu. M. Coupling of the nucleonic and muonic currents in elastic neutrino—nucleon interactions, 22:26622
  - Effects of form-factors and polarization in anti $p + n \rightarrow W^- \rightarrow l +$ anti τ/sub l/ reaction, 22:39388
  - Electromagnetic annihilation of lepton—antilepton pair in hyperon pairs with consideration of polarization and form factors, 25:9730
  - Inelastic neutrino—lepton interactions, 22:22376
  - Investigation of possible anapole and electric dipole moment of proton with help of annihilation reaction p anti p reversible e^+e^-, 25:12224
  - Magnetic moment of the Λ hyperon, 24:20119
  - Spin dependence of neutrino—nucleon interactions with muon production, 22:11635
- KASUN, Don J. Superconducting magnets, 25:47493
- KASUYA, K. Collisionless shock waves in plasmas, 23:39463
  - Experiments on collisionless shock waves in plasmas, 23:32392
  - Relaxation phenomena in an ionized shock front, 23:48653
- KASUYA, Masaaki Calibration of beam monitors, 25:33886 (INS-TH-66)
  - Energy indicator of the electron synchrotron, 25:38836

KASUYA, T. Microwave spectrum, structure, boron quadrupole coupling constants, and dipole moment of difluoroborane, 22:16535
  Temperature dependences on magnetic electrical resistivities in Pr and Nd, 23:14892
KAS'YANENKO, A. G. Allelic mutations of Arabidopsis thaliana induced by ^{60}Co γ rays, 23:16264
  Chlorophyll mutations in Arabidopsis thaliana, 22:47506
KAS'YANOV, V. A. Approximation representation of Boltzmann collision integral by operator of Fokker—Planck type, 23:42518
  Influence of radiation transport along the relaxation length in a closed-cycle MHD generator, 23:48784
  Theory of strong discontinuities in electrohydrodynamics, 25:40441
KASYMOV, A. Effects of radiotoxins and γ rays on transport of ions in slices of rat kidney cortex, 25:44946
  Radiation formations in irradiated potato tubers and their effects on plant growth, 24:32270
  Radiotoxin fractionation and investigations on their biological properties, 25:18915
KASYMOV, A. K. Coupled oxidative phosphorylation in the normal state and after irradiation of germinating seeds from various ecological sites of cotton cultivation, 24:16985
  Determination of C and O content in humic acid by means of photonuclear reaction, 24:16478
  Determination of O in Si by photonuclear reaction, 25:4046
  Determination of the content of copper in rocks by the application of photonuclear reactions, 24:5614
KASYMOVA, A. Ionization index, electron formation, and effective recombination coefficient in E2 layer, 23:10564
KASYMOVA, A. G. Intermediate ionosphere layers E2 and F0, 22:11312
  Intermediate ionosphere layers E2, F0, F1.5, 22:11313
  Relationship between E/sub s/ and sporadic meteors, 22:24113
KASYMZHANOV, M. A. Baryon resonance production and collinear symmetries, 21:11796 (JINR-P2-3069)
  Baryon—baryon interactions and collinear symmetries, 21:33757
KASZUBIAK, Henryk Effect of herbicides on Rhizobium. III, 22:40653
KASZUBINSKI, Leonard J. Preliminary designs of space power nuclear reactor shields, 25:1943 (N-70-32250)
  Thermionic fuel irradiation experiment description, 24:2340 (N-69-33273)
KATADA, Susumu Effect of laser on hard tissue, 22:47465
KATAEV, R. S. System molybdenum—nickel—carbon, 25:58290
  Ternary system molybdenum—iron—carbon, 25:42889
KATAGIRI, Koitsu Histological and histochemical studies on radiation injury induced in mulberry tree. I, 23:12013
  Histological and histochemical studies on radiation injury induced in mulberry tree. I, 23:38454 (NSJ-tr-145)
  Mutation after acute gamma irradiation of mulberry, 25:24090
KATAGIRI, Masakazu Effect of Hall currents on MHD boundary layer flow, 23:48798
  Magnetohydrodynamic flow with suction or injection, 24:12765
  MHD boundary-layer flow past semi-infinite flat plate, 24:30195
  Separation of MHD flow near rear stagnation point, 23:48799
  Unsteady magnetohydrodynamic flow at the forward stagnation point, 24:12677
KATAGIRI, Michio Beta-ray silver grain gage applied to cotton spinning machine, 22:2438
KATAGIRI, Shingiro Particle accelerating device, 24:13227
KATAGIRI, Shinjiro Charged particle-ray device, 21:2574
  Device for producing a dc high voltage, 23:21198
  Device for replacement of objects in a high-pressure tank, 21:19131
KATAGIRI, Susumu Biophysical properties of poliovirus irradiated with uv, 21:45848
KATAGIRI, Toshiro Studies of the influence of telecobalt 60 irradiation on normal and tuberculous guinea pigs and of the influence of a combination of both telecobalt 60 irradiation and anti-tuberculous drugs on tuberculous guinea pigs, 21:26632
  Treatment of tuberculosis on a combined regimen of x-ray irradiation and anti-tuberculous drugs. IV, 21:28570
KATAIWA, Hiroaki Far-infrared spectra and lattice vibrations of BaCl$_2$.2H$_2$O, 24:29273
KATAJA, E. Variations in Pc 1 frequency with latitude, 22:11332
KATAKIS, D. Decomposition of aqueous perchlorates by radiation, 22:33451
  Radiolysis of aqueous chromium and vanadium in their +2 and +3 oxidation states, 22:37792
  Radiolysis of concentrated neutral NaClO$_4$ solutions, 21:15942
KATAKURA, Yasuhiro Effects of x-irradiation on ribotide [ribonucleotide] metabolism in guinea pigs, 21:6447
KATAKUSE, I. Atomic mass determinations. II, 23:20069
KATAL'NIKOV, S. G. Isotope equilibrium in system BF$_3$—tetrahydropyran complex of BF$_3$, 23:15936
  Isotope exchange reactions in different BF$_3$-complex systems, 25:12992
  Isotopic equilibrium in BF$_3$ system—RF$_3$ complex with n-butylphenyl ether, 21:30521
  Method of calculating the number of theoretical stages of separation using a substituting line, 25:34707
  Physical-chemical investigation of uranium hexafluoride—carbon tetrachloride binary system, 24:9321
  Separation of B isotopes on basis of isotopic exchange reaction between BF$_3$ and BF$_3$-phenetole complex, 21:32246
  Separation of boron isotopes, 23:2406
  Separation of boron isotopes. II, 25:29196
  Separation of the boron isotopes, 23:28962
KATANO, R. Moessbauer spectrometer, 24:36607
KATANO, Rintaro Compact ^{60}Co irradiation facility, 24:29424
  Moessbauer spectrometer using an electromechanical transducer in conjunction with a multichannel pulse-height analyzer, 21:16199
KATANO, Yoshio Electron microscope observation of the zirconium hydride, 25:42981 (JAERI-13635)
  Electron microscope study of neutron irradiation damage in vanadium, 25:6883 (JAERI-Memo-4149)
KATAO, K. γ ray analysis on radioactive aerosol and dust in machine hall of a cyclotron, 25:53447
KATAOKA, H. Identification of transfer function of reactor control system by noise analysis, 21:30129 (CONF-660206, pp 439-53)
KATAOKA, Haruo Application of neutron thermopile to major instrumentation of nuclear reactor, 23:41157
KATAOKA, Ikuko Measurement of ECF using radioactive sodium sulfate and its clinical application, 23:12152
KATAOKA, Iwao Comparison of calculated values with actual gamma doses penetrating through ship structures, 23:13565 (AERE-R-5773(Vol.4), pp 989-98)
  Discrete ordinates numerical integration method for neutron transport equation in slab geometry, 22:44589
  Neutron transport problems by discrete-ordinates numerical integration method, 23:39919
  Photon transport code in spherically symmetric geometry, 06 NIOBE—G, 21:44144
  Shielding in nuclear ships, 24:43832 (CONF-700211-2)
  Study of the methods for analyzing multilayer gamma-ray shields, 21:40052 (ORNL-tr-1671)
KATAOKA, Keiichi Determination of Pu in urine, 23:35022
KATAOKA, Shoei Pinching processes in semiconductor plasmas, 25:3206
KATARIA, S. K. Excitation energy dependence of shell effects on nuclear level densities and fission fragment anisotropies, 25:1766
  Fragment angular distributions in the framework of a double-humped fission barrier, 25:50860
  K x-ray yields from ^{236}U fragments, 25:15027
  K x-ray yields of fragments of specified nuclear charges, 24:15888
  Semiconductor x-ray spectrometer, 24:14256
KATASE, A. Background in associated-particle time-of-flight technique, 25:37630
  Energy and angular distribution of alpha particles emitted in thermal-neutron fission of ^{235}U, 25:48082
  Standardization of linear circuits in nuclear pulse measuring system, 24:44257
KATASE, Akira Fast neutron time-of-flight spectrometer, 25:46630
  Polarized ion source, 25:33912
  Problems associated with nuclear fission by slow neutrons, 23:37192 (KURRI-TR-10, pp 3-19)
  Protons from ^{64}Zn and ^{66}Zn bombarded with 14.1-MeV neutrons, 23:3979
  Three-point-charge model for ternary fission, 23:4070
  Time-of-flight measurement of photofission fragments at high energies, 22:43085
KATAYAMA, Eitaro Biological protection mechanism of radioprotectors on mammalian cells. V, 21:1781
  Biological protection mechanisms of radioprotectors on mammalian cells. IV, 21:1783
  Studies on the irradiation effects on the cells. VII, 21:26568
KATAYAMA, I. Anomalous states in ^{85}Rb ($Z = 37$) nucleus, 22:27001
KATAYAMA, M. Leak rate test on reactor containment vessel for Mihama Power Station, 25:60000
  Pulse radiolysis of styrenes, 24:31382
KATAYAMA, Masaaki Ion exchange of some metal-diethylenetriamine N,N,N',N",N"-pentaacetic acid, 25:37480
KATAYAMA, Masatoshi Effects of earthquakes on nuclear container vessels, 25:54305
KATAYAMA, Meiseki Isotope effects on the hydrogen formation reaction in the radiolysis of cyclopentanone, 23:236
  Pulse radiolysis with electric conductivity, 23:49851
KATAYAMA, Toshikazu Effect of heat treatments in intermetallic compound SmCo$_5$, 25:32746
  Magnetic properties of Y/sub 1-x/Sm/sub x/Co$_5$ compounds, 25:14461
  Permanent magnet properties of intermetallic compounds Sm (Fe, Co, Cu)$_5$, 25:19875
KATAYAMA, Y. Space—time picture of elementary particles, 22:18002
KATAYAMA, Yasuhisa Field theory of elementary domains and particles. I, 23:7175
  Field theory of elementary domains and particles. II, 23:7174
  Field theory of elementary particles with S$_3$ invariance, 21:13702
  Nonlocal field theory in two dimensional space—time, 23:25691
KATAYAMA, Yasuo Plasma electron beam of very high current, 21:20975
KATAYAMA, Yoshio Contamination and variation of crop plants caused by radioactivity. V, 23:24598
KATAYAMA, Yoshiwo Behaviour of balanced lethal genes occurring in progeny of x-rayed rice, 22:40639
KATAYOSE, K. Gamma-logging method in coal field, 25:54772
KATCHER, M. Creep of titanium alloys, 22:45770
KATCHIS, L. Universal multifunction computer interface system for rectilinear scanners, 24:34479
KATCHIS, L. Jr. Multifunction digital research scanning system, 23:33453
KATCHIS, Louis J. Calorimetric method for the measurement of grenz rays, 22:16876
KATCHMAN, Bernard J. Effect of chain length upon biological uptake and decay of ^{32}P-labeled inorganic polyphosphates in rats, 21:10728 (TID-23458)
KATCOFF, S. ^{12}C(anti p,anti pn)^{11}C, ^{12}C(π^-,π^-n)^{11}C, and ^{19}F(π^-,π^-n)^{18}F cross sections at 2.5 GeV/c, 25:33978
  Antiproton- and pion-induced fission at 2.5 GeV/c, 25:48077
  Experiments related to possible production of super heavy elements by proton irradiation, 25:48083
  High-energy-proton fission cross sections of U, Bi, Au, and Ag, 23:37267
KATCOFF, Seymour Alpha-recoil tracks in mica: registration efficiency, 24:2311
  Distribution of radionuclides from interaction of 3- and 29-GeV protons with Ag, 22:16021
  Emission of particles of 3 less than or equal to Z less than or equal to 8 in the fission of ^{252}Cf, 24:40651
  Energetics and mass distribution of fission fragments in triton- and proton-accompanied fission of ^{252}Cf, 24:6935
  Interactions of 1.0-, 2.0-, and 3-GeV protons with Ag and Br in nuclear emulsion. II, 22:9837
  Interactions of 3.7-GeV/c antiprotons with Ag and Br, 21:31762
KATE, M. N. Optimization of topography of magnetic field in conducting MHD apparatus, 23:8521
KATELEY, J. New kind of radiation analyzer, 22:28128
KATELEY, J. A. Thermodynamic properties from binary phase diagrams, 23:38997
  Thermodynamic properties of uranium—aluminum alloys, 23:36116
KATEM, Basil Color-magnitude diagram for globular cluster NGC 5897, 22:43781
  Gaps in the giant branch of the globular cluster M15, 22:43847
KATENKO, L. P. Simulation $K_2^0 \rightarrow 3\pi^0$ and $K_2^0 \rightarrow \pi^+\pi^-\pi^0$ in a bubble chamber by means of the Monte-Carlo method, 21:2439
KATERNDAHL, Dean Technical and economic evaluation of neutron sources, 23:28214 (TID-25050)
KATGERT, P. Remnant of large-scale explosive event in galactic plant around longitude 60°, 23:36342
KATHEDER, H. Method for filling alkali metals into irradiation capsules, 24:44686
KATHOEN, R. L. Proton recoil track counting by television, 21:32416
KATHREN, R. L. Acceptable surface contamination levels for environmental PuO$_2$, 23:20202 (CONF-680507-, pp 460-70)
  Calibration and field use of ionization chamber survey instruments, 24:9633 (BNWL-SA-2096)
  Dosimetry of 14-MeV neutrons with Eastman NTA personnel monitoring film, 21:39277
  Effect of atmospheric tritum on photographic, thermoluminescent, and radiophotoluminescent dosimeters, 23:26597
  Energy dependence of cobalt glass, 21:26244 (UCRL-50007-66-2, pp 23-6)
  Evaluation of Hanford Basic Thermoluminescence Dosimeter, 25:4378 (BNWL-CC-2633)
  Evaluation program for portable radiation monitoring instruments, 24:22981 (BNWL-SA-1947)
  Instruments in the field: use, abuse, and misuse, 23:35457 (BNWL-SA-2150)
  Intercomparison of portable radiation monitoring instrument evaluations, 25:10809 (BNWL-SA-3565)
  Intercomparison of the characteristics of beta/gamma and neutron survey instruments, 25:57782
  K-fluorescence x-rays: a multi-use tool for health physics, 25:44735
  Low humidity induced fog in photographic films, 21:12690 (UCRL-50007-66-1, pp 44-5)
  Nuclear technician in industry, 25:48370 (BNWL-SA-3883)
  Personnel monitoring with film, glass, and TLD, 21:6306 (UCRL-70171)
  Proton recoil track counting by television, 21:26159 (UCRL-50007-66-2, pp 28-30)
  Radiological calibration and standardization for health physics, 23:31774
  Stripcoat removal of alpha contamination on flooring surfaces, 21:26423 (UCRL-50007-66-2, pp 30-3)
  Thermoluminescence personnel dosimetry at Hanford. I, 24:25312
  Thermoluminescence personnel dosimetry at Hanford. II, 24:33949
  Thermoluminescence personnel dosimetry at Hanford, 25:32286
KATHREN, Ronald L. Effect of atmospheric tritium on photographic, thermoluminescent, and radiophotoluminescent dosimeters, 22:33670 (BNWL-SA-1569)
  Improved cleaning technique for silver metaphosphate glass dosimeters, 21:14475
  Towards interim acceptable surface contamination levels for environmental PuO$_2$, 22:51562 (BNWL-SA-1510)
KATHURIA, S. N. Effect of Hall current and resistivity on stability of gas—liquid system, 25:19546
  Stability of gas—liquid system in a magnetic field, 24:15184
KATHURIA, S. P. Effects of residual thermoluminescence in fluorite and lithium fluoride thermoluminescent dosimeters, 25:57844
  Radiation monitoring with a natural calcium fluoride thermoluminescent detector, 23:47861
KATILA, T. E. Cold facts about Moessbauer measurements, 24:32933
  Helium-3/^{4}He dilution refrigerator for Moessbauer experiments at very low temperatures, 22:41515
  Hyperfine interactions in divalent Eu compounds, 24:32938
  Moessbauer experiments with ^{57}Fe between 1 and 0.08°K, 22:9454
  Moessbauer experiments with a ^{3}He/^{4}He dilution refrigerator, 24:40200

  Moessbauer study of the β decay of ^{197}Pt with oriented nuclei, 24:40650
  Quadrupole moment of the 21.6-keV state of ^{151}Eu, 24:15916
KATILA, Touko Pharmacoradiography of the duodenum, 24:34521
KATINOV, Yu. V. Photomultiplier impulse shaper with stable time delay, 25:29347
KATIYAR, K. Biology and sterilization of coffee leaf miner, 23:48290 (NYO-2043-195, pp 117-31)
KATIYAR, K. P. Mating frequency and fertility of Mediterranean fruit fly females alternately mated with normal and irradiated males, 24:44589
  Rearing technique, biology, and sterilization of coffee leaf miner, 24:32319
  Sterilization of Mediterranean fruit fly and its application to fly eradication, 23:50963 (NYO-2043-195, pp 75-108)
  Sterilization of the mediterranean fruit fly and its application to fly eradication, 23:48289 (NYO-2043-194, pp 52-83)
  Studies on the biology and sterilization of coffee leaf miner, leucoptera coffeella guer, 23:10129 (NYO-2043-173, pp 49-51)
  Tritiated thymidine autoradiography used to study the rate of spermatogenesis of the blow fly, phormia regina, 23:10039 (NYO-2043-173, pp 52-7)
KATIYAR, Kamta P. Effects of high-temperature on irradiated medfly pupae, 21:39519
  Effects of high-temperature on survival of irradiated Medfly pupae (Ceratitis capitata W), 23:35856
KATKEVICH, Yu. Submicroscopic structure of spruce tracheids formed under the influence of gamma radiation, 22:10737
KATKIEWICZ, W. Design criteria for MOSFET portable ionization chamber monitors, 22:21311 (CLOR-67/D)
  Portable transistorized tritium contamination monitor, 24:39216 (CLOR-79/D)
  Solid state electrometer amplifier for health physics instrumentation, 21:19982 (CLOR-61/D)
  Temperature dependence of FET amplifiers used with junction detectors, 21:4725 (CLOR-52/D)
KATKOV, V. M. Action of radiation on motion of electrons in accelerators, 24:15736
  Electron spin equation in an external field involving radiative effects, 24:21904
  Kinetics of radiative polarization, 24:35697
  Processes occurring during the movement of high energy particles in a magnetic field, 22:3583
  Quantum effects in magnetic bremsstrahlung, 22:987
  Quasiclassical theory of bremsstrahlung of relativistic particles, 23:5564
  Radiational polarization of electrons in inhomogeneous magnetic field, 21:20775
  Radiative polarization of electrons in a magnetic field, 21:27327
KATKOVA, N. M. Increase in radioresistance of aromatic compounds on formation of molecular complexes, 22:25399
KATLINSKII, V. M. Reactions in thoriated tungsten and thoriated molybdenum, 23:46069
KATO, A. Direct-reading emission-spectrometric determination of trace elements in rare earth compounds, 24:41195
  Emission-spectrometric determination of trace non-rare earth elements in yttrium oxide, 25:54419
KATO, Akihiko Direct reading emission spectrometric determination of trace elements in rare earth compounds, 24:24994
  Spectrochemical analysis of rare earth elements. II, 23:45208
  Spectrographic analysis of rare earth elements. I, 23:13636
  Studies of spectrochemical analysis of rare earth elements. V, 25:2096
KATO, Akira Chemical studies of minerals containing rarer elements from far east district. LXIV, 25:31815
  Inspection of γ-ray source purity by absorber method, 21:45437
KATO, Azuma Positioning device, 23:13924
KATO, D. X-ray protection equipment for infants, 22:8534
KATO, H. Columbium and tantalum alloy development, 21:32838 (BM-RI-6964)
  Electroslag-melted molybdenum, 25:16434
  Niobium—V alloys, 23:27105
  Preparation and evaluation of rhenium and rhenium-base alloys, 24:971
  Properties of Nb-base alloys, 23:24801
  Studies on columbium alloys, 22:49735
  Study of columbium-base alloys, 21:32856 (BM-RI-6988)
KATO, Haruo Prog. rpt. on evaluation of pre-alloyed W—25 Rh powders, annual, 7/65—6/66, 21:41578 (USBM-RC-1297)
KATO, Hatsuhiko Addition chains, 25:10393 (TID-25620)
KATO, Helena Toshi Behavior of malate dehydrogenase (MDH), FDP aldolase (ALD), and phosphoglucose isomerase (PGI) in serum tumor illnesses during radiotherapy, 21:32564
KATO, Hidemasa A ^{232}Th miniature fission counter for fast neutron flux measurements, 25:6552
  Activation analysis for competing reactions by using reactor neutron flux, 23:9332
  Pulsed reactor experiment and analysis for reactivity accident evaluation, 25:23349
  Self-limiting power excursion characteristics of light water reactor. I, 23:17258
  Self-limiting power excursion characteristics of light water reactor. II, 23:26100
  Self-limiting power excursion characteristics of light water reactor. III, 24:5551
KATO, Hiroo Atherosclerosis in a defined Japanese population, 22:49431
  Atomic bomb radiation effects on antibody formation, 22:6837
  Carcinoma of the gallbladder, bile ducts, and vater's ampulla, Hiroshima and Nagasaki, 25:47011 (ABCC-TR-7-70)
  Childhood cancer in relation to prenatal exposure to atomic-bomb radiation, 25:27043
  Coronary heart disease in Hiroshima, 23:14224
  Gastric carcinoma in a fixed population, 25:49311
  Leukemia in offspring of atomic bomb survivors, 22:23568
  Mortality in children exposed to the A-bombs while in-utero, 1945—1969, 25:55307
  Primary carcinoma of the liver in Hiroshima and Nagasaki, Japan, 25:6709
  Rheumatoid arthritis in Hiroshima and Nagasaki, 21:28637
  Serologic response of atomic bomb survivors following Asian influenza vaccination, 21:12926
  Sex ratio of offspring of survivors in Hiroshima and Nagasaki, 25:47018
  Survival in the children of parents exposed to atomic bombings, 21:16511
KATO, Hiroshi Unrestircted Hartree—Fock wave function, 24:1300
KATO, K. Nonlinear effects on a parametric excitation of ion plasma waves, 25:49949
  Wide-screen type measuring projector, 24:27409 (SJC-T-69-3)
KATO, Kaneharu Determination of small amounts of Hf, Co, Cu, W, in Zr and Zr alloys by fluorescent x-ray analysis, 25:31806
KATO, Kanji Reactivity balance for reactor diagnosis. I, 25:26039
KATO, Katsuichi Effects of gamma radiation and ethylene on tomatoes, 24:50772
  Maturation changes in fruits induced by ionizing radiation. V, 24:48774
KATO, Kiyoe Electrical dc conductivity of a turbulent plasma, 22:15526
  Enhanced diffusion and high-frequency oscillation in a plasma, 21:7222
  High-frequency and low-frequency oscillations in a plasma in a magnetic field, 21:7223
  Ion resonance probe for the measurement of plasma densities, 21:33381
  Laser diagnostics of theta-pinch plasmas, 22:39053
  Observation of the ion resonance by an rf probe, 21:2209
KATO, Kiyoshi Bibliography on wastes of plutonium, 25:13190 (JAERI-Memo-4153)
KATO, Kiyotoshi Masking Cu and W in photometric determination of Mo, 25:27
  Nephelometric determination of small amount of tellurium in iron and steel, 24:13743
  Photometric determination of aluminum in ferro-alloys with stilbazo, 22:18700
  Photometric determination of Te in Fe and steel. II, 24:16432
KATO, Koichi Non-destructive determination of hydrogen in organic solvents in neutron slow-down process, 21:8219
KATO, Kuniko Nuclear structure of ^{124}Te, 25:31346
KATO, L. Uptake of organic and inorganic radioactive substances and multiplication of Mycobacterium leprae murium on alkaline galactomannan medium, 21:10802
KATO, M. Double-peaked structure in resonance scattering, 23:5601
  Measurement of circulation, retention times, and flow patterns in an electrolytic refinery by using radioactive tracers, 22:14712
  Status of isotope applications in Japanese industry, 24:31283
  Steel irradiation capsule and rig, 21:20537 (CONF-660511-, pp 1.4.1-9)
KATO, Masaaki Compton scattering of isovector photons with nucleons and algebra of fields, 22:46358
  Two-level formula for maximally overlapping resonances, 24:18178
KATO, Masao Applications of low-energy x- and γ-ray sources in Japan, 22:256 (ORNL-IIC-10(Vol.2), pp 723-45)
  Detection of radiation emitted from moving sources. I, 25:18692
  Trends in utilization of radiations and radioisotopes, 25:18608
KATO, Masaru Radioluminous paints as activator of photoreceptor systems in swallow-tail butterfly and quail, 22:25758
KATO, Masataka SU(6) and nonleptonic weak interactions. II, 21:2502
KATO, Mikita Distribution of radiomanaganese in embryonic tissues of the mouse, 21:10796
KATO, Mineo Routine production of ^{51}Cr, 24:31366
  Routine production of ^{64}Cu, 24:31367
KATO, Mitsuaki Fundamental investigations on solidification structure in weld metal, 25:42820
KATO, Muneaki Aseismic design in Tsuruga Nuclear Power Plant. I, 25:23120
  Aseismic design in Tsuruga nuclear power plant. III, 25:25950
KATO, Mutsuko Method to differentiate mycobacterium avium from nonphotochromogens, 21:16538
KATO, N. Beam injection system for the terminal ion source of the electrostatic generator, 25:20204
KATO, O. FREDAM-BI: FORTRAN-IV program for computation of the frequency distributions of Be and ice by root sampling method, 22:15920 (JAERI-1146)
KATO, Ryo Hydrogen cyanide formation in the gas-phase radiolysis of mixtures of nitrogen and ethylene, 22:47177
KATO, Ryozo Study of the coaxial plasma accelerator, 25:17215
KATO, Ryuhei Bubble nucleation induced in liquid films by irradiation, 25:41835
  Efficiency and reaction rate of the radiation detectors, 23:14017
  New range measurement of swift electrons without bremsstrahlung effect, 24:32614
KATO, S. Evidence for existence of Z*, 24:20159
  Generalized Ohm's law with radiation pressure, 24:32552
  Hydromagnetic coupling of acoustic—gravity waves with the ionized atmosphere, 23:51458 (CONF-680722-, pp 397-401)
  Intermediate resonances in the reaction ^{24}Mg(d,p)^{25}Mg, 22:27057
  Magnetization properties of nonideal Type-II superconductors transporting sinusoidal alternating current in a longitudinal magnetic field, 25:56085
  Mechanism of reaction ^{24}Mg(d,p)^{25}Mg from 2 to 4 MeV, 23:7269
  Methods of target-thickness measurements, 24:5372
  Pneumatic expansion system of the 75 cm hydrogen bubble chamber, 25:44686 (SJC-T-71-2)
  Polarization in K^+p elastic scattering and phase-shift analysis, 23:36843
  Polarization parameter in backward π^+p elastic scattering at 1.60, 1.80, 2.11, and 2.31 GeV/c, 25:14577
  Possible hydromagnetic coupling between the perturbations of the neutral and ionized atmosphere, 24:26080
KATO, Sadatake Stability of Na o-iodohippurate (o-^{131}I), 21:5980
KATO, Seigo Analög resonance in the ^{77}Se(p,p) reaction, 24:20345 (JAERI-1184, pp 123-5)
KATO, Shin'ichi Oxidation of alcohols by Fenton's reagent. The effect of copper ion, 25:54576
KATO, Shiro Virus—host cell interaction in rabbit fibrosarcoma produced by Shope fibroma virus, 21:41520
KATO, Shohichi Color centers in irradiated NaCl, KCl, and KBr crystals, 24:26301
KATO, Shoji Contraction and pulsation of very massive stars, 21:18380
  Convective instability and overstability in the sunspot umbra, 22:29066
  Excitation of nonspherical waves in differentially rotating stellar convective envelopes, 23:44054
  Generation of Alfven waves from turbulence, 23:5274
  Gravitational instability in expanding universe, 21:26960
  Hydrodynamic equations of stellar systems and velocity ellipsoid, 22:47757
  Solar differential rotation and Rossby-type waves, 24:10322
  Thermal generation of magnetic fields with radiation pressure in rotating stars, 24:1151
KATO, Sotoe Iodine-131 accumulation in liver, 23:50296
KATO, Sumihiko Electron microscopic study of tonsillar reticulosarcomas. II, 23:41492
  Influence of carcinostatic substances of HeLa cells. II, 24:821
KATO, Susumu Consideration on the tidal wave transmission through the ionized atmosphere, 25:38236
  Electrostatic waves and ionization irregularities in the ionosphere, 22:24138
  Motion of ion clouds in the ionosphere: spherical cloud in uniform anisotropic plasma, 24:35313
  Superconducting wired-wall cavity for V-band ENDOR experiment, 25:11850
  Theories of movement of ionospheric irregularities, 23:12646
KATO, Syohei Elastic scattering of alpha particles by ^{16}O, 25:12419
  Elastic scattering of alpha particles by ^{20}Ne and ^{24}Mg, 25:53689
  Scattering of alpha particles by light even—even nuclei, 22:26906
KATO, T. Correlation between the densities of x-ray sources and interstellar gas, 23:34165
  Determination of Sc and Au in meteorites, tektites, and standard rocks by neutron activation, 24:48052
  Energy levels of ^{149}Eu in decay of ^{149}Gd, 22:27176
  Measurement of the absolute intensity of cosmic x rays, 23:34166
  Observation of cosmic soft X rays, 25:58548
  Production of rare earth nuclides by 70-MeV bremsstrahlung for photon activation analysis, 24:31269
KATO, T. R. Conceptual cell for electrowinning liquid U, 23:22481 (NLCO-1033)
  Fluoride adsorption by thorium oxide in aqueous thorium nitrate solutions, 22:37857
KATO, Taizo Study on refractory materials for MHD electric power generation. II, 23:12610
KATO, Takako Proportional counter for cosmic soft x-ray measurement, 24:33903
KATO, Takeo Sector-type double focusing β-ray spectrometer used as spectrograph, 22:21346
KATO, Takesi Action spectra for photoreactivation of killing and mutation to prototrophy in uv-sensitive strains of E. coli, 21:16544
  Base-change mutagenesis and prophage induction in strains of Escherichia coli with different DNA repair capacities, 25:13421
  Genetic and molecular characteristics of x-ray-sensitive mutants of Escherichia coli defective in repair synthesis, 25:13428
  High susceptibility of an x-ray sensitive E. coli strain to single-strand breaks by x-rays, 25:52024
  Mutagenicity versus radiosensitivity: target consideration, 25:6668 (CONF-691106-, pp 280-96)
  X-ray-sensitive mutants of Escherichia coli B, 21:36770
KATO, Terumasa Electron spin resonance of γ-irradiated triglycine sulfate. I, 23:25473
  Electron spin resonance of γ-irradiated triglycine sulfate. II, 24:41348
KATO, Tomizo Organ scanning in internal medicine, 24:6075
KATO, Tomohiko Magnetic properties of (Zr/sub 1-x/Ti/sub x/)Zn_2 and (Zr/sub 1-x/Hf/sub x/)Zn_2 alloys, 25:52959
KATO, Toshio Dose response curve of lung tumors, 23:41384

- Effect of x irradiation on Yoshida ascites tumor cells in vivo. An electron microscope study, 21:28383
- KATO, Toyoaki Activation analyses of ruthenium in osmium and in rhodium by means of photonuclear reaction, 21:38880
  - Activation analyses of several mixed rare earth elements by means of photonuclear reaction, 21:38881
  - Activation analysis for arsenic, 23:45231
  - Activation analysis of Ag in Pd with thermal neutrons, 22:33261
  - Activation analysis of Sb in Sn, 23:7477
  - Activation analysis, determination of As, Rb, and Nb, 24:16474
  - Determination of Rb by photon-activation analysis with Sr as reference element, 25:6284
  - Gamma-ray spectrometric study of the photoactivation products with 20-MeV bremsstrahlung, 22:22614
  - Nuclear reactions and the analytical-chemistry application, 24:16475
  - Nuclear reactions by residual nucleus method, 24:20354
  - Photoactivation of Ga, In, and Tl by 15 Mev bremsstrahlung, 21:14
  - Photoactivation of rare-earth elements with 20-MeV bremsstrahlung, 21:35467
  - Photon-activation analysis for I using Cs as internal-reference, 25:2150
  - Photon-activation analysis for zirconium with molybdenum used as the internal-reference element, 25:41764
  - Radioactivities induced by (γ,n) reactions with 20-MeV bremsstrahlung, 21:22008
  - Short-lived nuclides formed by (γ,n) reactions, 23:1837
  - Study of photo-nuclear reaction by means of residual nucleus method, 25:59815
  - Study on yield of (γ,p) reactions with 20-MeV bremsstrahlung, 22:35313
  - Yield of (γ,α) reactions with 20 MeV bremsstrahlung, 23:10971
  - Yields of ^{133}Cs(γ,xn) and ^{133}Cs(γ,2pxn) reactions, 24:30840
  - Yields of photonuclear reactions in Ti and V, 23:23653
  - Yields of photonuclear reactions leading to production of ^{7}Be, 23:42855
- KATO, U. Magnetic core polarization in the (h/sub 9/2/^{2})8^{+} state of ^{210}Po, 24:43392
- KATO, W. Y. 4000-liter UO$_2$ fast core assembly-6 of ZPR-6, 23:4357
  - Final safety analysis report on the use of plutonium in ZPR-6 and -9, 25:3901 (ANL-7442)
  - Heterogeneity effects in a large uranium—carbide fast reactor, 22:33042
  - Integral measurement of ^{239}Pu alpha, 24:33247
  - Integral measurement of ^{239}Pu and ^{233}U alpha, 25:46062
  - Large U—carbide fast core, Assembly-5 of ZPR-6, 22:33040
  - Management of low power research reactors, 23:47261 (CNM-R-2(Vol.3), pp 1611-24)
  - Measured physics parameters in a zoned fast U carbide core, assembly 4Z, 21:25711 (ANL-7281)
  - Measured sodium-void coefficient and fission ratios in a large zoned fast reactor, 21:7923
  - Measurement of reaction ratios and neutron spectra in a soft-spectrum fast reactor, 23:4335
  - Physics parameters of large dilute uranium carbide cores, 21:35676 (ANL-7320, pp 231-6)
  - Reactor physics parameters of zoned cores, 21:35684 (ANL-7320, pp 403-20)
  - Sodium-void effects in a large uranium—carbide fast reactor, 22:33041
  - US experimental programme for fast reactor physics, 22:18515
- KATO, Y. Existence conditions of hydromagnetic shocks in Vlasov plasma, 25:14326
  - Improvements in both energy and direction dependence of Mg$_2$SiO$_4$ thermoluminescent dosimeter, 25:44701
  - New thermoluminescence dosimeter of high sensitivity using a magnesium silicate phosphor, 25:57841
- KATO, Yasuyoshi Kinetic study of reaction between U(IV) and U(VI) in HCl, 24:29353
  - Kinetic study of the photosensitized electron exchange reaction between U(IV) and U(VI) in hydrochloric acid, 25:54618
  - Oxygen-18 tracer study of U(IV)—U(VI) electron exchange reaction, 24:41282
  - Reaction between U(IV) and U(VI) in HCl, 23:40661
- KATO, Yoshiharu Extraction and spectrophotometric determination of U, 23:15802
  - Simultaneous determination of Al and Fe in Pu, 24:43954
  - Spectrophotometric determination of thorium with carboxyarsenazo, 24:41200
- KATO, Yoshio Attenuation of 4 to 32 MV x-rays in ordinary concrete, heavy concrete, Fe, and Pb, 25:25202
  - Conductivity of ionosphere at dip equator during solar eclipse Nov. 12, 1966, 23:3379
  - Cyclotron and Cherenkov mechanisms for exciting hydromagnetic radiation in magnetoactive plasma, 22:19854
  - Cyclotron and Cherenkov mechanisms for exciting hydromagnetic radiation in the magnetoactive plasma, 23:14800
  - Effect of micro-instability on the temperature anisotropy in the solar wind, 22:19855
  - Effect on geomagnetic field of solar eclipse of Nov. 12, 1966, 23:3378
  - Effects of fast neutrons and ^{60}Co γ-rays on Artemia, 25:26917
  - Estimation of gamma-ray dose from neutron-induced radioactivity in Hiroshima and Nagasaki, 24:4247
  - Frequency analysis of the geomagnetic pulsations, 21:7087
  - Propagation of Pc1 pulsations in F region, 25:9338
  - Sheathed-thermocouple-electrode flowmeter for LMFBR individual subassembly, 25:18112
  - Study of origin of geomagnetic pulsations in equatorial, low, and middle latitudes, 25:30356
  - Whole-body absorbed dose from x and gamma rays, 25:58004
- KATO, Yoshiomi Radioluminous paints as activator of photoreceptor systems in swallow-tail butterfly and quail, 22:25758
- KATO, Yukio Effects of blue light on the survival of uv-irradiated fern gametophytic cells, 23:22437
  - Responses of fern gametophytes to ultraviolet radiation, 21:11119
- KATO, Yusuke Asymptotic fields in model field theories. I, 25:41060
  - Domain of total Hamiltonian in quantum field theory, 21:13726
  - Friedrichs—Berezin transformation and its application to the spectral analysis of the BCS reduced Hamiltonian, 22:9252
- KATO, Yuzuru Analytical methods based upon principle of competitive protein binding of labeled and unlabeled substances, 24:48367
  - Radioimmunoassay of protein hormones, 24:31776
- KATOAKA, Iwao Discrete ordinate-numerical integration methods for bulk shielding calculations, 23:12941 (AERE-R-5773(Vol.1), pp 221-40)
- KATOCH, D. S. Shadow shield whole body counter, 24:5870 (BARC/HP/TM-15)
  - Whole body counting of radiation workers, 25:37575 (BARC-548)
  - Whole-body counting of uranium mine workers, 23:29495 (BARC-389)
- KATOCHKINA, V. S. Contemporary analytical methods of determination and the separations of scandium, 24:16422
  - Gravimetric determination of scandium by using antipyrine and amidopyrine, 24:43946
- KATOH, Hidehiko Amplification of microwaves by the interaction of an electron beam with a cesium plasma, 22:9322
- KATOH, Jinzo Control of liquid radioactive wastes in JPDR, 22:4420
  - Measurements of the permeation rate of tritiated heavy water through polimeric films, 23:847
- KATOH, Kaznaki High energy accelerator shielding studies, 24:45637 (CONF-691101-, pp 377-93)
- KATOH, Kazuaki Calorimetric determination of absorbed dose rate of epoxy resin irradiated in JRR-4, 24:44334 (SJC-A-70-4)
  - Logical and conceptual foundations of radiation dosimetry, 24:2658 (SJC-A-69-2)
  - Study of elementary particle interactions for high-energy dosimetry, 21:41282
- KATOH, L. M. Illiac III Reference Manual. Vol. I, 25:28851 (COO-2118-5)
- KATOH, Shoichi High strength precipitation hardening heat resisting alloys, 23:20486
- KATOH, T. Electron spectroscopy studies of the decay of ^{154}Eu, 22:53172
- KATOH, Toshio Beta- and gamma-spectroscopy of /sup 80m/Br, 23:37182
  - Experiment on short lived nuclei, 25:59781 (KURRI-TR-76, pp 19-20)
  - Gamma-ray energy of ^{40}K, 22:50582
  - Gamma-ray spectroscopy of ^{42}K, 24:40584
  - Isomeric transition of ^{179}Hf, 22:39650
  - Short lived activities produced by fast neutron bombardments, 22:27179
- KATONA, A. Diagnostic value of ^{131}I-excretion and forty-eight hour activity of the thyroid, 25:24266
- KATONA, E. Behavior of irradiated "snail enzyme", 21:26359
- KATONA, G. Scintigraphy by means of radioisotopes of short half-life for diagnosing diseases of the joints, 23:48132
- KATORI, K. Anisotropy of conversion electrons in (p,2n) reactions, 22:20645
  - Conversion electrons from (α,xn) reactions on Sm isotopes and nuclear structures of Gd nuclei, 22:27162
  - Depolarization in elastic scattering of 1.36-MeV polarized neutrons, 25:53708
  - Polarization of neutrons from the reaction ^{12}C(d,n$_0$)^{13}N below 1.8-MeV deuteron energies, 22:26897
  - Simple and stable liquid helium neutron polarimeter, 25:51875
  - Spin—spin interaction of 1.19-MeV polarized neutrons with polarized ^{59}Co nuclei, 22:27024
  - Study of some neutron-deficient doubly even nuclei of Hg and Pb by (p,4nγ) and (p,6nγ) reactions, 22:27165
- KATORI, Kenji A liquid helium, time of flight neutron polarimeter with a spin rotating solenoid, 22:6692
  - Conversion electrons from (p,2n) and (α,3n) reactions on vibrational nuclei, 21:1089
  - Elastic and inelastic scattering of protons on ^{22}Ne and the T = 1/2 and T = 3/2 energy levels of ^{23}Na, 21:15538
  - Excited states in ^{27}Al from reaction ^{26}Mg(p,p)^{26}Mg, 24:35849
  - Neutron depolarization in elastic scattering and target-spin dependent interaction, 24:10980
  - Neutron depolarization in elastic scattering, 24:33125
  - Neutron depolarization in the elastic scattering and the spin-spin interaction, 24:20343 (JAERI-1184, pp 62-5)
  - Spin flip in inelastic scattering of protons from ^{12}C around 13.1 MeV, 24:40565
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:13863
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:17383
  - Spin—spin interaction of 7.90-MeV polarized neutrons with polarized ^{59}Co nuclei, 23:25888
- KATORSKI, A. Isotope and ortho-para separations of the molecular hydrogens by adsorption at low temperatures, 25:8332
  - Low-temperature chromatographic separation of isotopic hydrogens at 27 and 55°K, 21:19733
- KATOU, T. Anomalous orbital magnetism of proton deduced from magnetic moment of 11^{-} state of ^{210}Po, 25:5742
  - Effective spin and orbital magnetism of proton studied from g-factors of 8^{+} states in ^{90}Zr and ^{92}Mo, 25:17870
  - Excited states of even cadmium nuclei studied by (α,xnγ) reactions, 24:43381
  - Magnetic moment of the lowest 6^{+} state in ^{42}Ca and effects of the deformed states, 25:48052
- KATOU, Takeo Magnetic moments of the 8^{+} isomeric states of ^{90}Zr and ^{92}Mo, 25:53779
- KATOU, U. Core polarization effect on the magnetic moment of the 8^{+} state of ^{210}Po, 24:20390
- KATRIB, Ali Hydrogen atom detector for energies between 10 keV and 30 eV, 24:48280
- KATRICH, N. P. Determination of penetration coefficient of fast H_1^+ ions into metals by condensation method, 22:26203 (NP-tr-1631)
  - H_1^+ fast ion interaction with metal surfaces in ultrahigh vacuum, 21:19886
  - Hydrogen filling of Ni and Ti due to implantation of 35 keV H^{+} ions, 22:52171
  - Intrusion of 35 KeV H_1^+ ions into Mo, Ag, Ta, Pt metals, and desorption of intruded H at temperature interval 78 to 300°K, 23:39331
  - Penetration coefficient of fast H^{+} ions in metals, 22:7166
  - Range of H_1^+ ions and depth distribution of hydrogen in nickel film, 24:34926
- KATRIEL, J. Absolute calibration of beta—gamma sources, 24:2462
  - Comparative study of ellipsoidal Gaussians: H_2 and H_2^{++}, 24:39831
  - Efficiency-independent method in γ ray spectrometry, 23:29210
  - Exact analytic evaluation of H_2^+ force constant, 25:16781
  - Physical realization of noncompact dynamical symmetries, 24:5320
  - Separation of overlapping decaying peaks, 25:2482
  - Shape-restricted wave functions: two-center spherical limits for H_2^+, 24:47005
  - Solution of an exactly solvable quantum mechanical N-body problem, 25:36370
  - Walford—Doust method for rapid calibration of germanium spectrometers, 23:16146
- KATRUS, O. A. Industrial production of sintered electrode strip, 25:52311
  - Mechanical properties and microstructure of Ni—Mo, 24:975
- KATS, A. Color centers in x-rayed α-quartz containing Ge, 21:9657
- KATS, E. I. Anomalous properties of superconducting compounds of V$_3$Si type, 22:48049
  - Properties of lamellar structures, 23:32299
  - Quasi-two-dimensional nature of superconductivity of NbSe$_2$, 24:28219
  - Superconductivity and quasi one-dimensional (thread-like) structures, 22:44042
  - Theory of superconductivity of quasi-one-dimensional structures, 23:8563
- KATS, I. M. Method for computing absorption-line profiles, 23:25030
- KATS, M. E. Acceleration of charged particles in interplanetary space, 23:32098
  - Acceleration of charged particles in plasma, 23:41854
  - Acceleration of charged particles in a cosmic plasma, 25:2929
- KATS, M. L. Recording of electron orbits in microtrons with alkali-halide compounds, 23:10902
- KATS, M. M. Magnet of the ITEP two-meter liquid, 25:21435
  - Measurement of harmonic components of fields of standard magnetic quadrupole lenses, 25:20164
- KATSANIS, T. Summary of NASA radial turbine research related to Brayton cycle space power systems, 21:41103
- KATSANOS, A. A. Distribution of spacings of nuclear energy levels of mixed spin and parity, 21:27637
  - Experimental test of statistical-model approximations when GAMMA/D > 1, 24:1802
  - Level densities from excitation functions of isolated levels, 24:6878
  - Level width and density of ^{32}S between 17- and 21-MeV excitation energy, 23:7262
  - Nuclear energy levels of ^{52}Cr, ^{55}Mn, and ^{64}Zn, 21:38285
  - Odd—even effect on nuclear level densities, 24:24545
- KATSANOS, Anastasios Search for a ^{238}Np fission isomer, 25:17857 (CEA-N-1339)
- KATSANOS, Anastasios A. Low-energy nuclear reactions and level densities for medium-mass nuclei, 21:33901 (ANL-7289)
- KATSANOS, N. A. Chemical effects of the isomeric transition /sup 130m/I → ^{130}I, 23:19811
  - Prog. rpt. on Greek atomic energy, 1954—1966, 24:23037 (NP-18156)
  - Theory of chemical effects produced by isomeric transition of /sup 82m/Br in liquid organic systems, 25:18489
- KATSANOS, Nicholas A. Chemical effects of Br activated isomeric transition in binary organic mixtures. II, 21:42997
  - Chemical effects of bromine activated by isomeric transition /sup 82m/Br → ^{82}Br in organic mixtures. I, 21:36065
  - Chemical effects of bromine activated by isomeric transition of /sup 82m/Br and (n,γ) reaction of ^{81}Br in liquid bromobenzene, 22:16641
  - Chemical effects of bromine activated by the isomeric transition /sup 82m/Br → ^{82}Br in binary organic mixtures. III, 22:37820
- KATSAOUNIS, A. Volumetric vapor content during evaporation in undercooled liquids, 23:50033
- KATSAROS, W. High resolution of piezoelectric pressure probe, 23:3452 (NP-tr-1670)
  - High resolution piezoelectric pressure probe, 21:24253
- KATSAUROV, L. N. Decrease of neutron yield from tritium targets, 21:21409
  - Focusing of an ion beam drifting in a nonuniform magnetic field, 25:56602
  - Implanted tritium targets, 24:47537

  Investigation of beam behavior in a sector cyclotron, 23:34694
  Solid multilayer tritium targets for neutron generators, 23:3881
KATSCHER, W. Inflow and heat engineering interpretation of FRJ-1 reactor core for the 10-MW operation, 25:26030 (JUL-693-RE)
KATSENEL'SON, I. B. Predawn effect in f_0 F2 variations caused by sunrise, 23:20796
  Spread F over solar activity cycle at Murmansk, 21:39912
KATSIASHVILI, N. A. Cyclic fluctuations of secular geomagnetic field variations at Tbilisi, 21:46239
KATSITADZE, D. G. Low-temperature loop with shuttle at IRT-2000 reactor, 23:37660
KATSITADZE, Dzh. G. Apparatus for dilatation of microspecimens in low temperature channels of reactors, 25:8123
KATSKOVA, O. N. Conducting gas flow in a supersonic nozzle, 21:20839
KATSMAN, A. Ya. Radiation loads and radiation protection during x-ray diagnostic procedures, 22:10780
  Standards of working loads for physicians of x-ray diagnostic rooms, 22:45510
KATSNEL'SON, A. A. Local ordering and resistivity of Ni—W and Pd—Co alloys, 25:4766
  Ordering of Y—Gd alloy, 21:11241
KATSNEL'SON, S. S. Analysis of MHD generator, 23:48777
KATSPSHAK, Z. Energy stabilization system for Van de Graaff accelerator, 24:49634 (INR-1181)
KATSRIKU, I. Prog. rpt. on studies of the ionosphere, final, 2/1/64—1/31/66, 21:37274 (AD-650722)
KATSRIKU, I. K. Equatorial ionospheric E- and F-region drifts measurements at Tamale, 21:11516
KATSUBE, Yoshio Effects of total body surface irradiation with ^{90}Sr on hematopoietic function, 22:12790
KATSUBE, Yutaka Effect of Tween 80 on strand breaks of E. coli DNA irradiated in situ, 25:19027
  Mechanism of radioprotective action of Tween 80 on E. coli, 22:33987
  Radioprotective action of non-ionic surfactants on E. coli B/r, 21:39474
  Radiosensitization of E. coli, 24:34775
KATSUFRAKIS, J. Whistlers and vlf emissions, 21:41949
KATSUKI, Atsushi Magnetic susceptibility and electronic specific heat of transition metals and alloys. IX, 21:2305
KATSUMATA, Itsuo Ion-sensitive probe: new diagnostic method for plasmas in magnetic fields, 21:8646
KATSUMATA, Kazuo Binding of ^{131}I-insulin to mitochondria, 25:26575
KATSUMATA, Naomi Internal irradiation effects on fatty acid composition of organs and serum. III, 22:28555
  Internal irradiation effects on fatty acid composition of organs and serum. I, 22:47482
  Internal irradiation effects on fatty acid composition of organs and serum. II, 22:47483
KATSUMATA, Syunji Electron exchange as evidenced by ESR of Cu(II) confined in molecular space, 21:14250
KATSUME, Michito Superhigh voltage irradiation of bladder tumor, 25:26876
KATSUMORI, Hiroshi Baryon electromagnetic masses, 25:36449
  Linearly rising Regge trajectories and strong mass splitting of baryons, 25:53208
KATSUMOTO, Tomiyasu Honeycomb block used for collimation of radiations and method of manufacturing the same, 25:18856
KATSUNUMA, Haruo Retention of Hg in brain of rabbit, 24:2560
KATSURA, Kosho Extraction of uranium by TPAC, 23:40809
  Polarographic determination of uranium by extraction separation, 25:31807
KATSURA, Kyozo Radon content at Awara Hot Springs, 23:31421
  Uranium, Th, and K content of Kumotaniyama and Mihama granitic bodies, 24:9532
  Uranium, Th, and K content of Rokko granitic bodies, Hyogo prefecture, 24:7518
KATSURA, M. Consideration on ideality of UC—UN solid solutions, 24:44797
  Graphitization of free C precipitating through reaction of UC_2 with N_2, 25:29962
  Stable composition range and decomposition pressure of UC—UN solid solution, 22:31466
KATSURA, Masahiro Carbon—uranium—nitrogen system, 24:1082 (JUL-594-RW)
  Change of composition of UC_1/sub 1-x/N/sub x/ in nitrogen gas, 22:19653
  Nitrogen pressure region for monophase UC—UN solid solution, 24:42276
  Report on the uranium—nitrogen system, 25:42965
  Uranium—nitrogen system, 21:34963
  Validity of Vegard's law for UC—UN solid solution, 24:23529
  Validity of Vegard's law for UC—UN solid solution, 24:30042
KATSURA, S. Radiation-induced solid-state polymerization, 24:13927
KATSURA, Takashi Thermodynamic properties of nonstoichiometric ceric oxide, 25:47173
  Thermodynamic properties of V_2O_3—V_4O_7 system, 24:14921
KATSURAGI, Kukio Deposition of Pu in Tokyo through 1966, 23:17578
KATSURAGI, S. Activities on modular code systems in Japan, 25:44188 (EACRP-A-135, pp 69-86)
  Benchmark test by various cross section sets for fast reactor analysis in Japan, 25:60210 (JAERI-Memo-4406)
  Data acquisition and analysis for fast reactor physics in JAERI, 24:33268
  Evaluation of ^{239}Pu data in keV and resolved resonance region, 22:53168 (JAERI-1162)
  Multigroup treatment of neutron transport in plane geometry, 22:46705
  Theoretical and experimental works on fast reactor physics in Japan, 22:18569
KATSURAGI, Satoru Accuracy of analytical treatments for resonance absorption in Doppler resonance regions, 25:10038
  Analysis of fast critical experiments and revision of JAERI-fast set, 25:20788 (JAERI-Memo-4215)
  Concept of group constants in resonance energy region. I, 23:46907
  Effective inelastic cross section for fast reactor compositions, 24:36007
  EXPANDA-2, 21:21639 (JAERI-1118)
  Fast reactor group constants: concept of group constants and evaluation of nuclear data, 24:46017
  Higher order perturbation method in reactor calculation, 23:40452
  JAERI fast reactor group constants systems. I, 24:52361 (JAERI-1195(Pt.1))
  JAERI fast reactor group constants systems. II-1, 25:17862 (JAERI-1199)
  Neutron cross sections in unresolved resonance region, 24:22205
  Note on treatments of sodium void reactivity effects in a large fast reactor, 22:35517
  Number of resonances to be adopted for obtaining practically reliable cross section curves, 25:20395
  Plutonium-239 fission product yields and their influence on fast reactor characteristics, 25:20819 (JAERI-Memo-4165)
  PROF GROUCH-G: prcessing code for group constants for a fast reactor, 24:40924 (JAERI-1192)
KATSURAGI, Toshimatsu Effects of x irradiation on mortality and abnormality of the chicken embryo, 21:18162
KATSURAGI, Y. Recent fallout of radioactive dust in Japan, 25:57579
  Study on plutonium fallout, 24:25142
KATSURAGI, Yukio Present status of fallout in Japan, 21:1466
KATSURAI, M. MHD rotating machine, 23:8493
KATSURAI, T. Hydrothermal crystal growth of Y_2O_3 and ZnS, 22:52235
KATSURAYA, Yukimari Radiation control program at Kyoto Univ., 1968, 25:4508 (KURRI-TR-63)
KATSURAYAMA, Kosuke Accumulation of radioactivity in rice fields, 24:2611
  Biological shielding test of KUR, 23:47273
  Characteristics test of KUR radiation monitors. I, 23:2557 (KURRI-TR-23)
  Conference on future of used fuel transport and problems, Kumatori, Osaka, 3/69, 24:29481 (KURRI-TR-68)
  Effects and protection of radiation from atomic facilities. IV, 23:43509
  Gamma-ray source of powdered ^{192}Ir for radiographical utilization, 23:7694 (KURRI-TR-31)
  Measurements of scattered gamma-rays in Fe, 25:45526
  Radioactive dust in air at KUR operation, 23:40391 (KURRI-TR-56)
KATSURAYAMA, Kousuke Leakage gamma-ray spectra around KUR, 25:8124
KATSURAYAMA, Yukinori Calibration of instruments used to monitor surface contamination density, 23:13986 (KURRI-TR-6)
  Calibration of the large, flow-type ionization chamber for monitoring the KUR stack gas, 23:13985 (KURRI-TR-5)
  Calibration of the radioactive waste-liquid monitor, 23:24427 (KURRI-TR-13)
  Characteristic test of radiation monitors of Research Reactor Institute of Kyoto University, 22:6586
  Log of interior radioactive monitoring. I, 23:15965 (KURRI-TR-1)
  Log of interior radioactivity monitoring. II, 23:26088 (KURRI-TR-11)
  Report of special committee on nondestructive testing, 23:26485 (KURRI-TR-30)
KATSUSHIMA, Atuo Method for producing hydrocarbon fluoride with iodine, 23:11568
KATSUTA, H. Interaction between uranium carbides and liquid sodium with a small oxygen content, 25:45106
KATSUTA, Makoto Fabrication of stainless steel clad fuel rods using a Ni—P layer, 21:10224
KATSUURA, Kanji Destruction of metastable helium atoms in binary collisions, 23:22910
  Ionization of atoms by collision with excited atoms. II, 21:37120
  Ionization of atoms by collisions with metastable helium atoms, 24:28110
  Temperature dependence for destruction of metastable He(2^3S) atoms, 25:58731
KATSUYA, Keizo Effect of radiation on the susceptibility of wheat seedlings to leaf rust. II, 21:28674
  Effects of radiation on the susceptibility of wheat seedlings to leaf rust, 21:24672
KATSUYAMA, Kazuo Determination of traces of aluminum and manganese in zirconium and its alloys, 21:32111
  Separation and determination of ^{95}Zr—^{95}Nb and ^{106}Ru in process solutions, 24:33775
  Spectrophotometric determination of ruthenium with 8-quinolinol, 24:11446
KATS'YUBA-USTILKO, G. Influence of large quantities of radioiodine on the thyroid gland on the young organism, 22:43434
KATTAMIS, T. Z. Diffusivity of zinc in a Mg—5.1 percent Zn—0.6 percent Zr alloy, 25:16491
KATTENBORN, H. J-dependence in $l = 2$ (^{3}He,α) reactions on ^{24}Mg, ^{28}Si, and ^{30}Si, 25:3637
  j-dependence in $l = 2$ (^{3}He,d) reactions on ^{24}Mg, ^{28}Si, and ^{30}Si, 25:12479
  Optical-model analysis for ^{3}He scattering from some light nuclei in the energy range 18 to 20 MeV, 23:1843
KATTERFELD, Gennadii N. Terrestrial planets and stages of their evolution, 25:35825
KATTERHENRY, A. A. Gas-turbine nuclear power plants, 24:18601
KATTERWE, H. Electron energy loss spectra of graphite single crystals and evaporated carbon films in the range 0.02 to 0.4 ev, 25:9167
KATUL, Jamil A. Radiation-induced color centers in aromatic crystals, 22:10312
KATURAYAMA, Kousuke Records of interior radiation control at Kyoto University Research Reactor Institute in 1966, 23:12063 (KURRI-TR-32)
KATUSCAK, Svetozar Modification of wood by radiation. I, 21:34307
KATUYA, Mituaki Characteristic features in nonleptonic hyperon decays and composite models, 25:53124
  Conservation rule in nonleptonic hyperon decay, 25:40947
  Effective Hamiltonian of weak interaction and quartet model, 24:3610
  P-wave nonleptonic hyperon decays, 24:8616
  Universality of weak bilinear transitions and its relation to the fundamental weak interactions, 25:3348
KATYAL, D. L. Baryon mass splittings in SU(6) x O(3) quark model, 21:44417
  Crossing-symmetric form factor for hadron couplings, 25:47844
  D-wave quark—quark forces and baryon multiplets, 22:39420
  Hadron couplings in broken SU(6) x O(3). I, 24:24375
  New approach to current algebra, 21:21274
  s-Wave quarks and baryon resonances, 22:26655
  Strong decays of higher baryons in a quark model, 22:34992
KATYAL, J. C. Recent soil, fertilizer and physiological studies with ^{32}P on high yielding varieties of paddy, 25:32314
KATYAL, M. Chemical detection of zirconium and hafnium, 25:34519
  Color reactions of UO_2^{2+}, Th^{4+}, and MoO_4^{2-} with kaempferol and robinetin, 22:42680
  Metal complexes with tropolones, 24:4201
  Studies of the complex formation between uranium and thiosalicylic acid, 21:23895
KATYAL, Mohan Analytical applications of hydroxycoumarins, 23:2190
  Spectrophotometric determination of zirconium and other color reactions with 3,5,6,7,3',4'-hexahydroxyflavone, 22:33239
KATYAL, Om Parkash A study of the magnetoresistance and the Hall resistivity of cadmium and cadmium—zinc crystals, 24:32927
KATYKHIN, G. S. Decay of ^{100}Rh, 23:42922
  Decay of ^{100m}Ag, 22:35352
  Decay of ^{99}Pd and ^{99}Rh, 24:18436
  Gamma radiation of ^{97}Rh, 24:18435
  Gamma-ray investigation of different silver isotope decay, 23:49419
  Palladium-99 γ radiation, 25:28431
KATYSHEV, A. N. Charge compensation mechanisms of trigonal centers in CeO_2, 23:44540
  Trivalent rare earths in cerium dioxide single crystals dysprosium, 22:13555
  Trivalent rare earths in single crystals of cerium dioxide, 22:50252
KATYUSHINA, V. V. Investigation of recording devices used for measuring uv radiation in the upper atmosphere and cosmic space, 21:39882
KATZ Problems encountered in coupling computer to high energy physics experiments at Saturne, 22:19154
KATZ, A. Boundary conditions that enforce Mach's principle in general relativity, 22:5664
  Extension of Hilbert space applied to inexact symmetries, 21:2497
  Hoyle—Narlikar quantisation of Wheeler—Feynman electrodynamics, 24:17613
  Massless particles following symmetry breaking, 22:17984
  Numerical computation of field distributions, 25:50241
  Theory of spontaneous symmetry breakdown and the appearance of massless particles, 21:15364
  Use of a computer with a spark chamber, 23:47817
KATZ, Alan H. Electron density variations in southern-hemisphere topside ionosphere during a magnetic storm, 23:22998
KATZ, Amnon Classical mechanics, quantum mechanics, field theory, 21:18875
  Conformal-invariant scattering amplitude for spinless particles, 24:3774
  Derivation of Newton's law of gravitation from general relativity, 22:46523
  Relativistic effects of strong binding on slow particles, 24:10697
  Scattering cross section for a beam of wave packets, 21:3960
KATZ, Arthur M. Mechanisms of elimination reactions. XI, 23:37952
KATZ, Arthur Marvin Part I. Theoretical calculations of isotope effects in elimination reactions. Part II. Experimental and theoretical studies of sulfur isotope effects in displacement reactions of trimethylsulfonium ion, 24:33691
KATZ, B. Far infrared spectra of HCl and DCl in a N matrix, 25:8250
KATZ, Benjamin Experimental study of higher $\pi \rightarrow \pi^*$ transitions of benzene in low-temperature matrices, 24:25042
KATZ, D. N. Solid state logic protection system description, 25:39262 (WCAP-7672)
KATZ, David H. Radioresistance of cooperative function of carrier-specific lymphocytes in antihapten antibody responses, 25:10987
KATZ, E. Weighted chronotron for time-digit conversion, 24:5946 (IFA-EN-11)
KATZ, Edward L. Trace metal accumulation by estuarine mollusks, 22:51329
KATZ, Eli Weighted chronotron for time—digit conversion, 23:41100 (EUR-4289, pp 127-35)

- KATZ, F. Determination of in-process inventory in a reprocessing plant by means of isotope analysis, 24:9432 (KFK-904)
  - Parameter adjustment by the gradient method on the hybrid analog computer, 25:15406 (NP-18646)
- KATZ, H. Design of reformer for fossil-nuclear fueled MHD power cycle, 23:17644 (BNL-13285)
  - Method of stabilizing a fluidized bed using a glow discharge, 21:16051
- KATZ, Harry I. Radioactive monitoring of degranulating mast cells, 23:31625
- KATZ, Herbert Marvin Preparing microspheres, 25:8916
- KATZ, J. Behavior of space components of currents under SU(3) x SU(3) transformations, 25:53108
  - Broken conformal invariance, 25:36541
  - Classical electron, a model for an extended charged particle, 25:38691
  - Classical electron, a model for an extended charged particle. II, 25:53089
  - Current—field commutators, 23:25536 (DESY-69/2)
  - Current—field commutators and the baryon spectrum, 24:1614
  - Current-field commutators, 24:3554
  - Current-field commutators and the baryon spectrum, 23:25620 (DESY-69/4)
  - Current-field identities, 25:1504
  - Dynamical calculation of the $^{3}/_{2}^{+}$ resonance spectrum and SU(3) symmetry breaking, 24:18212
  - Equal time commutators and form factors in quantum electrodynamics with internal symmetry, 23:16945 (DESY-68/54)
  - Equal—time commutators involving symmetric energy—momentum tensor, 25:7724
  - Equal-time commutators, 24:3556
  - Equal-time commutators and form factors in quantum electrodynamics with internal symmetry, 24:3738
  - Equal-time commutators and the energy-momentum tensor, 23:27862 (DESY-69/11)
  - Fermions in a field theory of currents, 24:45584
  - Lorentz-invariant algebraization of pion—hadron vertex functions, 25:1491
  - Meson—baryon interactions with broken SU(3) and the baryon spectrum in relativistic quantum mechanics, 25:3397
  - Multiparticle exchanges, SU(3) symmetry breaking, and $3/2^{+}$ resonance spectrum, 23:32724 (DESY-69/16)
  - P- and F-wave solution of relativistic quantum mechanics for baryon exchange with cut-off, 25:47863
  - P- and F-wave solutions of relativistic quantum mechanics for baryon exchange with cutoff, 24:40449 (DESY-70/21)
  - Relativistic Schroedinger equation and pseudoscalar meson—baryon scattering in broken SU_3, 23:5625
  - Scale-symmetry breaking and scaling properties of currents, 25:30934
  - Scaling transformations and current algebra, 25:7579
  - Spectral function sum rules and (8,8) symmetry breaking, 25:1587
- KATZ, J. E. Development of 2000-ampere diodes for high current ferrite biasing supplies, 21:23372 (UCRL-17457)
  - Digital measurement of ferrite hysteresis loops, 23:28061
  - Pole—zero analysis of distributed radio-frequency acceleration systems, 21:27476 (UCRL-17446)
- KATZ, J. J. Deuterium oxide on the saprophytic culture of Claviceps. I, 21:16268
  - Effect of deuterium oxide on culturing of P. janczewskii. I, 22:10887
  - Effect of deuterium oxide on culturing of Penicillium janczewskii. III, 23:6371
  - Effect of deuterium oxide on the saprophytic culture of claviceps. II, 22:8456
  - Effect of heavy water on the germination of a number of species of seeds, 22:40954
  - Effects of deuteration on development in Atropa belladonna, 21:36756
  - Effects of deuterium replacement on seed development, 24:5984
  - Isolation of fully deuterated griseofulvin on the culturing of Penicillium janczewskii. II, 22:40528
  - Isotope effects of morphology of fully deuterated bacteriophage T_1, 21:11141
  - Qualitative and quantitative isotopic analysis of ethyl groups containing both hydrogen and deuterium (CH/sub x/D/sub 3-x/CH/sub y/D/sub 2-y/—) by combined NMR and mass spectroscopy, 22:22974
- KATZ, J. L. Condensation of primordial dust, 21:33049
- KATZ, Jacob F. Clearance of radioactive sodium from the head of femur of immature dogs, 23:7945
- KATZ, Joseph Distribution of tritium in fatty acids synthesized from tritiated glucose and tritiated water by rat adipose tissue, 21:20100
- KATZ, Joseph E. CIRAN B linear circuit-analysis program, 22:35977 (UCRL-18185)
  - Propagation characteristics of a hollow plasma waveguide, 21:37455 (UCRL-17564)
- KATZ, Joseph J. Applications of deuterium in biological research, 22:2489
  - Combined action of deuterium oxide and chemotherapy on transplantable mouse tumors, 21:36490
  - Deuterium isotope effect on carbon isotope fractionation in photosynthesis, 21:17955
  - Deuterium isotope effects in fermentation of hexoses to ethanol, 23:7962
  - Isotope effects in biological systems, 25:37359
- KATZ, L. Diffusion of H_2, D_2, and T_2 in single-crystal Ni and Cu, 25:37953
  - Electron-scattering facility at the Saskatchewan Accelerator Lab, 22:3574
  - Low-altitude, outer-belt measurements: space and time variations in relativistic electron spectra, and radial diffusion, 22:34517
  - Measurements of $^{1}/_{2}$- to 4-MeV trapped protons in the equatorial magnetosphere, 21:13466
  - Radial diffusion processes of relativistic outer-belt electrons, 22:34375
  - Threshold electrodisintegration of the deuteron at low momentum transfer, 23:5804
  - Threshold electrodisintegration of the deuteron, 24:24501
  - Trapped and polar particles during June 9, 1968 magnetic storm, 24:42581
- KATZ, L. E. Deuteron-irradiation effects in Al—4 wt percent Cu, 21:13220
  - Precipitation in neutron-irradiated Al-base Cu, 22:36518
- KATZ, Leonard A. Acute irradiation proctitis in man, 22:31130
- KATZ, Lester Apparatus for obtaining isotropic irradiation of a specimen, 25:51900
  - Development of an isotropic radiation simulator, 23:27908 (N-69-13871)
- KATZ, Lewis Emanuel Effects of irradiation on phase transformations in Al-rich Cu system, 22:19605
- KATZ, Louis L. Real-time isoactivity contour plotter for rectilinear scanners, 24:36669
- KATZ, Ludwig Electron and proton observations, 21:9432
  - Evidence for a geoelectric field over the polar cap, 23:8530
  - Low-energy particles measured by OV1-9 (1966-111A), 22:34511
  - Quiescent and disturbed proton and electron distributions, 25:2950 (AD-709363)
- KATZ, Monique C. Hepatic scanning and celiac angiography in liver disease, 24:12154
- KATZ, N. H. Annular UC fuel casting, 23:18255 (AI-CE-45)
  - Surface finish improvement in cast UC slugs, 21:36901 (AI-CE-48)
- KATZ, Norman H. Fuel casting apparatus with collapsible core, 24:27290
- KATZ, O. M. Fission gas bubbles in fractured UO_2 chips, 23:11355 (WAPD-T-2067)
  - Fission gas bubbles in fractured UO_2 chips, 23:36291
  - Recovery and recrystallization kinetics of cold-worked Zircaloy-4 plate and tubing, 22:21698 (WAPD-TM-590)
  - Tetragonal hydride in low H content Zircaloy, 25:2740
- KATZ, P. A. Reactions of stopping K^- in He, 24:32971
  - Reactions of stopping K^- in He, 24:47382 (CONF-690557-(Vol.2), pp 862-84)
- KATZ, R. Analysis of a breakup using mean track width and blob measurements, 25:18795
  - DYNA: computer program for determining motions of head of PCRV with complete circumferential crack, 25:10753 (GAMD-7567)
  - Electron energy dissipation, 23:30630
  - Formation of particle tracks, 24:42776
  - Inactivation of cells by heavy ion bombardment, 25:55313
  - Particle tracks in condensed matter, 25:22586
  - Response of nuclear emulsion to electron beams, 24:29507
- KATZ, R. N. Influence of boron content on the fine microstructure of pyrolytic graphite, 22:19662
  - Transmission microscopy of ion-thinned boron carbide, 25:29983
- KATZ, Robert Energy deposition by electron beams and delta rays, 22:31609
  - Formation of etchable tracks in dielectrics, 22:31953
  - Formation of particle tracks, 23:47732 (COO-1671-18)
  - Formation of the particle tracks, 25:44608
  - Particle tracks in condensed matter, 24:481 (COO-1671-17)
  - Particle tracks in emulsion and related phenomena, 24:480 (COO-1671-16)
  - Particle tracks in emulsion, 24:5913
  - Particle tracks in emulsion, 24:44254 (EUR-4452, pp 631-52)
  - Randomness, 24:44249 (EUR-4452, pp 283-301)
  - RBE, LET, and z/B, 24:17044
  - Response of NaI(Tl) to energetic heavy ions, 22:31952
  - Theory of RBE for heavy ion bombardment of dry enzymes and viruses, 21:36496
  - Thermal design aspects of gas-cooled reactor cores, 21:34106 (GA-7941)
  - Unified track theory, 25:13209 (COO-1671-28)
  - Width of heavy-ion tracks in emulsion, 22:38047
- KATZ, Ronnie Collision of an atom and a diatomic, 25:58761
- KATZ, S. Separating Np and U values, 23:40813
- KATZ, Shlomo Calculation of flux in sodium reservoir, 24:24818 (CEA-N-1253)
  - Calculation of the flux in a sodium reservoir, 24:47850 (ORNL-tr-2354)
- KATZ, Shlomo L. Fast neutron flux in heavy water reactors, 21:5684 (CEA-R-3048)
- KATZ, Sidney Gas sorption—desorption method for recovering plutonium hexafluoride, 22:30665
  - Gas sorption-desorption recovery method for Pu hexafluoride, 21:4595 (ORNL-P-2731)
- KATZ, Stephanie Pacemaker artifact in lung scan, 23:29640
- KATZ, Thomas J. Reaction of exo-tricyclo[3.2.1.0^{2,4}]octene with rhodium catalysts, 23:24202
- KATZ, W. Improved reconstruction of high momentum tracks using a double precision version of TVGP, 24:44315 (UR-875-315)
  - Search for multipion resonances with I-spin = 2, 22:46337 (UR-875-249)
  - Search for multipion resonances with I = 2, 22:52938
- KATZ, W. M. Large-angle anti pp elastic scattering at 3.66 GeV/c, 21:35259
  - Scattering π—π in I = 2 channel, 23:42560 (UR-875-282)
  - Search for π^-p^- resonances produced in 7 GeV/c π^-d interactions, 24:21941
- KATZ, Y. Application of fracture mechanics to glassy plastics, 22:26100 (UCRL-17911)
- KATZ, Y. H. Nuclear war and soil erosion: some problems and prospects, 21:10489 (RM-5203-TAB)
- KATZAN, H. Jr. System for biomedical data management (DATASYS). VII, 21:12271 (ORNL-TM-1693(Pt.7))
  - System for biomedical data management (DATASYS), 21:14130 (ORNL-TM-1693(Pt.1))
  - System for biomedical data management (DATASYS), 21:14132 (ORNL-TM-1693(Pt.6))
  - System for biomedical data management (DATASYS), 21:20235 (ORNL-4064)
- KATZBERG, S. J. Surface work function of gadolinium, 24:49263
- KATZEL, V. G. Analytical procedures for uranium hexafluoride specifications, 23:11 (KY-L-454(Rev.1))
- KATZENGRUBER, K. Molybdenum(VI) hydroxylamine complexes. IV, 23:21649
- KATZENSTEIN, H. S. High-altitude radiological instrumentation system, 22:28181
  - Prog. rpt. on fluor-photodiode gamma dosimeter, final, 9/21/65, 21:12684 (AD-641913)
- KATZENSTEIN, Henry S. Application of mathematical theory of sequential sampling to γ scanning, 23:50654
  - Application of the mathematical theory of sequential sampling to gamma scanning in nuclear medicine, 23:8020 (UCLA-10-P-14-X-39)
- KATZENSTEIN, J. Asymmetric co-operative scattered light spectrum in a thetatron plasma, 21:9571
  - Light scattering in plasma, 21:5261
- KATZIN, Gerald H. Curvature collineations in Riemannian space—times, 24:30586
  - Curvature collineations: fundamental symmetry property of the space—times of general relativity, 23:27864
- KATZIN, J. C. Equal-time commutators of T/sup ij/, 25:43685
  - Response to the variation of an external gravitational field and its implications for equal-time commutators, 23:42750
  - Uniqueness of the response to the variation of an external gravitational field, 25:1631
- KATZIN, Joel Carl Off-mass shell corrections to pion—nucleon scattering amplitudes, 23:32729
- KATZIN, Leonard I. Mass-spectrometric observations on N-(ethylmercuri)-p-toluenesulfanilide, Ceresan-M, 25:37157 (ANL-7809)
- KATZIN, M. Prog. rpt. on ionosphere probing, final, 1/31/66. I, 21:689 (N-66-23719)
- KATZMAN, David Prog. rpt. on radiochemical analyses of filter samples collected under Project Stardust, 1965, 21:6489 (HASL-176)
  - Radioactive debris injected into the stratosphere by the Chinese nuclear weapon test of May 9, 1966, 21:6037
- KATZMAN, H. High-pressure superconducting polymorph of cadmium tin diarsenide, 23:39422
  - High-pressure superconducting polymorph of cadmium germanium diarsenide, 24:10466
- KATZMAN, Harold Skeletal changes following irradiation of childhood tumors, 24:911
- KATZ-MASSON, Jose Relativistic Schroedinger equation and its application to pseudoscalar meson baryon scattering, 22:48315
- KATZPER, Meyer Correlations among atomic electrons, 21:18408 (NYO-1480-68)
- KAU, D. L. Radiation-induced high-pressure oxidation of process effluents, 25:31963
- KAUASHEV, S. K. Immediate results of treatment of bone sarcomas of limbs under conditions of local hypoxia, 24:34418
- KAUBISCH, N. Separation of $^{228}Ra/^{228}Ac$ and $^{212}Pb/^{212}Bi$ with help of extraction chromatography in system Di(ethylhexyl) phosphate—hydrochloric acid, 22:14576
- KAUCIC, S. Effect of cation vacancies on radiolysis of sodium nitrate, 23:28901
- KAUDE, J. Integral dose in 35-mm cinefluorography of the gastrointestinal tract, 23:26804
  - Integral dose in 70-mm fluorography of the gastroduodenal tract, 23:26803
  - Integral dose in hysterosalpingography performed with full-size radiography and 70-mm fluorography, 22:51660
- KAUDE, Jueri V. Image-intensifier fluorography in pediatric radiology, 23:50681
- KAUDEWITZ, F. Respiration deficient mutants of Schizosaccharomyces pombe I, 25:42338
- KAUDEWITZ, Fritz Actidione-resistant mutants in Neurospora crassa, 24:46603
- KAUFFMAN, Floyd L. Irradiation with CO_2 under pressure, 24:21333
- KAUFFMAN, G. E. C. Radiation protection training of industrial employees, 21:14667
- KAUFFMAN, G. F. Second-order refocusing 15-inch mass spectrometer for ultra-precise isotopic ratio measurements of uranium hexafluoride samples, 25:51362 (GAT-655)
- KAUFFMAN, Glenn M. Base-catalyzed hydrogen—deuterium exchange in some pyridine N-oxides, 23:28831
  - Hydrogen—deuterium exchange in some halopyridine n-oxides: relative positional reactivities, 21:17641
  - Mechanism of base-catalyzed hydrogen exchange for N-methylpyridinium ion and pyridine N-oxide, 22:50961
- KAUFFMAN, H. Myron Prolongation of renal homograft survival by indwelling beta irradiation, 21:13019
  - Prolongation of renal homograft survival by inhibition of the afferent arc of the immune response, 21:13053
- KAUFFMAN, H. Myron Jr. Inhibition of the afferent arc of the immune response to renal homografts by local graft radiation, 21:18172
- KAUFFMAN, J. W. Electrical resistivity studies of recovery of point defects in metals following irradiation, 22:15223 (CONF-670924-3)
  - Interactions between lattice defects in electron irradiated copper, 22:17822
  - Length change of copper after electron irradiation, 22:11506
  - Length change of copper and aluminum after electron irradiation, 23:43994
  - Low temperature recovery studies in electron irradiated aluminum, 22:17823

Prog. rpt. on radiation damage resulting from electron bombardment, final, 4/68—6/69, 23:41681 (COO-1161-6)
Stage-I recovery of resistivity in electron-irradiated silver and gold. I, 23:25433
KAUFFMAN, Joel M. Antiradiation compounds. X, 22:51860
Antiradiation compounds. XI, 22:51853
KAUFFMAN, L. Photoproduction of rho mesons at 9 GeV, 23:16922 (SLAC-PUB-532(Exp.))
KAUFFMAN, Leo Effect of irradiation temperature and processing conditions on organoleptic properties of beef and chemical yields in model systems, 22:8674
KAUFFMAN, P. Simplified method of preparing thin conductive films for 4 Pi counting, 23:2583
KAUFFMAN, P. E. Effect of time on Th and daughter products in tissue, 23:26668
Plutonium in environmental and biological media, 22:28500
Plutonium-239 in total diet and milk, 22:28513
KAUFFMAN, Peter E. Plutonium-239 in human tissues, 24:2606
Plutonium-239 in human tissues and bone, 23:45756
KAUFFMANN, J. Survival in Azotobacter chroococcum under the action of ^{60}Co and a radiosimulation agent, 25:21976
Survival of Azotobacter chroococcum following γ irradiation and ibenzmethyzine treatment, 25:58156
KAUFFMANN, Jean Process of arc welding under gas pressure and apparatus for carrying out the process, 22:47667 (RFP-Trans-37)
KAUFFMANN, Y. Measurements of densities of uranium dioxide and uranium carbide irradiated at low temperatures, 22:28856
Nuclear uses of vanadium metal and alloys, 24:8098
KAUFFMANN, Yes Measurement of density of uranium dioxide and uranium carbide samples irradiated at low temperature, 22:4903 (CEA-R-3289)
KAUFFUNGER, R. A. Cathode-ray-excited emission spectroscopy of trace rare earths. V, 25:20916
KAUFFUNGER, Richard A. Spectroscopic analysis of trace rare earths. IV, 24:48032
KAUFHOLD, J. Influence of experimental factors on dating natural and man-made glasses by the fission track method, 22:6470
Th microanalysis using fission tracks, 25:31836
Th microanalysis using fission tracks, 25:44340
Thermoluminescence characteristics of fluorite minerals of different quarries, 21:4575
KAUFHOLD, R. Brush system for automatic processing of bubble chamber pictures, 25:13274 (CERN-70-21(Vol.2), pp 689-707)
KAUFMAN, A. Comparison of chemical flow reactor residence-time distributions with radiotracer techniques, 22:4082
Intensity anomalies in x-ray diffraction pattern of Ni_3Nb, 23:51067
Thorium-232 concentration of surface ocean water, 23:15983 (CU-3139-2, App.B)
Thorium-232 concentration of surface ocean water, 23:31439
KAUFMAN, A. J. Caesium plasma diodes seeded with Hg or Cd and the Penning effect, 25:14085
Seeded cesium plasma diodes and Penning effect, 24:28145
KAUFMAN, A. S. Analysis of the velocity field in plasmas, 25:11875
Plasma propagation into low-pressure gas and plasma in a magnetic field, 25:45458 (AD-719885)
KAUFMAN, Aaron Distribution of ^{226}Ra and ^{228}Th in oceans, 23:15982 (CU-3139-2, App.A)
Near-surface and near-bottom radon results for the 1969 North Pacific Geosecs Station, 25:10727
Prog. rpt. on U and Th isotope program, annual, 11/67, 22:10404 (CU-3139-1(App.A))
Prog. rpt. on U and Th series isotope disequilibria in ocean and pleistocene sediments, 10/68, 23:15981 (CU-3139-2)
Radium-226 measurements from the 1969 North Pacific Geosecs Station, 25:10726
Radium-228 in high-latitude southern hemisphere waters, 24:19112
KAUFMAN, Alfred Validity of the O_2^- model for d-region recombination, 21:11490 (NP-16459)
KAUFMAN, Alfred M. Approach to steady-state ionization in air, 21:7079 (AD-637004)
KAUFMAN, Allan M. Atomic physics and many-particle interactions, 23:27386 (AD-678181)
KAUFMAN, Allan N. Darwin model as a tool for electromagnetic plasma simulation, 25:14293
Determination of the density profile in a plasma slab, 23:36657
Dissipative effects, 21:9536
Extension of the plasma kinetic equation to small wave numbers, 21:3849
Interactions of waves and particles in an inhomogeneous one-dimensional plasma, 24:21834
Kinetic equation for resonant three-wave coupling, 23:25410
Resonance broadening in mode coupling, 25:49950
Resonant interactions between particles and normal modes in a cylindrical plasma, 25:14362
KAUFMAN, Allen Seeded Cs plasma diodes and the Penning effect, 22:36786
KAUFMAN, Asher S. Analysis of velocity field in plasmas from Doppler broadening of spectral emission lines, 24:40041 (AD-705155)
KAUFMAN, B. Transphenoidal ^{90}Y pituitary ablation, 21:6702
KAUFMAN, Bernard Heterogeneity of central nervous system myelin, 25:57261 (ORO-3195-49)
Isolation and biochemical characterization of subfractions of rat central nervous tissue myelin, 25:57258 (ORO-3195-46)
Sequential adsorption analysis of antimyelin antibodies, 25:57255 (ORO-3195-43)
KAUFMAN, C. Penetration of brain and brain tumor. VI, 22:38361
KAUFMAN, D. F. Deformation and fracture of beryllium bicrystals, 23:10221
Evaluation of HWCTR driver tubes for irradiation at SRP, 22:44896 (NMI-4379)
KAUFMAN, D. Neal Application of many-body perturbation theory to the hydrogen molecule, 24:39840
KAUFMAN, Edward L. Development of Uranium Mine Research Lab, 25:15792
KAUFMAN, Frederick Oscillator strength of the resonance triplet of atomic oxygen, 21:37179
KAUFMAN, Gary E. Statistical evaluation of Sparrow et al.'s relationship of D_0 to chromosome volume, 24:25593
KAUFMAN, H. L. Continuous sorption—desorption system and method, 22:164
Fluid-bed processing of unirradiated uranium dioxide reactor fuel on a semiworks scale, 22:12400 (K-L-6142)
Preparation of unusual refractory powders by flame processes, 21:32843 (K-L-6156)
Preparation of unusual refractory powders by flame processes, 22:6965
Prog. rpt. on removal of impurities from UF_4, annual, 1966, 21:32226 (K-1713)
Removal of impurities from uranium hexafluoride by selective sorption techniques, 22:4233 (K-L-6167-9)
Removal of impurities from uranium hexafluoride by selective sorption techniques, 22:4240
KAUFMAN, H. R. Bioassay experiences associated with widespread dispersion of Pu, 23:24639
Fluid-dynamic approach to mass of classical electron, 25:1451
KAUFMAN, Harold R. Analysis of electron analog simulation of ion containment in magnetic fields, 23:42288 (N-69-25394)
KAUFMAN, J. J. Elastic scattering of Li^+ by He, 24:35180
KAUFMAN, Joseph J. Fluorouracil(5) (NSC-19893) combined with ^{60}Co teletherapy in treatment of bladder cancer, 22:4644
Treatment of carcinoma of bladder, 24:17118
KAUFMAN, Joyce J. Quantum-chemical treatment of reaction of hot carbon atoms with O_2, 23:13746
Theoretical justification of the apparently anomalous low-energy behavior of some ion—molecule reactions, 23:20687
KAUFMAN, K. D. Effect of structural alterations on photosensitizing potency of furocoumarins, 21:28544
KAUFMAN, L. Cosmic ray and high energy physics studies in space, 24:2491 (N-69-34548)
New processes at energies above 2 x 10^{11} eV, 24:8561 (N-69-37606)
Oxidation of Hf—Ta alloys, 21:26758
π^- -helium inelastic interactions at 140 MeV, 22:5759
Sparkostrictive spark chambers with piezoelectric readout, 22:28166
Synthesis of oxidation resistant metal diboride composites, 22:36502
Wire spark chambers for clinical imaging of gamma-rays, 25:51876
KAUFMAN, L. A. Superconductivity of memory-type chalcogenide, 25:1137
KAUFMAN, Larry Computer calculation of phase diagrams. With special reference to refractory metals, 24:39658
High temperature liquid alloy heat exchanger for hydrogen, 22:49022
Oxidation characteristics of hafnium and zirconium diboride, 21:24821
Predicting temperature—composition stability of refractory compounds, 21:26836 (AFML-TR-67-108)
Thermodynamic properties of refractory transition metal compounds, 23:6731
KAUFMAN, Leon Evidence for heavy-particle production processes at energies above 2 x 10^{11} eV, 24:30445
Helium-4—π^- inelastic and capture reactions leading to excited and multineutron final states, 23:7221
Laminographic excitation camera for thyroid imaging, 25:21387 (UCRL-20229)
Nonrelativistic separable-potential quark model of the hadrons, 25:30846
π^--^{4}He inelastic and capture reactions leading to excited and multi-neutron final states, 21:42552 (UCRL-17605)
Self-triggered wire chambers for radiation imaging purposes, 25:57784
KAUFMAN, M. Comparative electron microscope, histopathologic, and histochemical studies of central nervous system of rats following x-irradiation, 21:28605
Electric dipole moment of CH_3D, 22:27684
Geometry of some refractory metal dioxides, 22:4873
KAUFMAN, M. A. Neuropathology, 24:19371
KAUFMAN, M. I. Uranium disequilibrium in groundwater, 23:2419
KAUFMAN, Michele Nuclear reactions and elementary-particle reactions in a cold Universe, 24:28061
Survey of region of Lacerta OB1, 23:51167
KAUFMAN, N. C. ATR startup physics: measurements and predictions, 22:33076
ATR startup, zero-power experiments, and comparison with ATR critical facility, 22:50805 (IN-1136)
Calculating reactor power from activation techniques as applied to an unusual fuel geometry (ATRC), 21:14074 (IN-1047)
Calibration of the ATR lobe power monitoring system, 22:33071
GRIPE II: computer program for analysis of data from pulsed-neutron experiment, 21:46942 (IN-1085)
Reactor physics results from low-power measurements in ATR, 23:19527 (IN-1260)
Summary of data from ATRC experimental program, 21:17519 (IN-1053)
Summary of ETR Critical Facility safety analysis information, 25:60149 (ANCR-1002)
KAUFMAN, R. Gilbert Luminescence from KI:Tl, 21:18822
Luminescence from NaI(Tl) between 5°K and 80°K, 22:40422
Scintillation mechanism in thallium doped alkali halides, 24:39285
Spatial distribution of trapped electrons and holes produced by x rays in KI(TlI), 21:37551
KAUFMAN, Raymond H. Phosphorus-32 uptake in lichen sclerosus et atrophicus of the vulva, 22:45398
KAUFMAN, S. Practical fundamentals of atmosphere brazing of nickel alloys, 21:6776
KAUFMAN, S. B. Alternative evaluation of ternary-fission data, 24:43465
Prog. rpt. on nuclear chemistry, annual, 1965—66, 21:1079 (PPAD-593-E)
Pulse-height defects for heavy ions in a silicon surface-barrier detector, 25:23819
Response of position-sensitive detectors to fission fragments and other heavy ions, 24:33871
KAUFMAN, S. F. Hot-pressing behavior of sintered low-density pellets of UO_2, ZrO_2—UO_2, ThO_2, and ThO_2—UO_2, 23:41728 (WAPD-TM-751)
Mechanical properties of oxide fuels, 22:4871 (WAPD-TM-587)
KAUFMAN, S. L. Measurement of the 2^2S/sub $^1/_2$/—2^2P/sub $^3/_2$/ interval in atomic H, 23:18420
KAUFMAN, S. M. Surface tension of Fe—Y and Fe—C—Y alloys at 1550°C, 24:42119
KAUFMAN, Samuel J. Nuclear reactor heat sources for future power generation, 24:13535
KAUFMAN, Sheldon Excitation functions for the (π^-,π^-n) reaction on ^{12}C and ^{19}F, 21:19193
KAUFMAN, Sheldon E. Generalized redshift—magnitude formula, 25:49690
KAUFMAN, Sidney Practical fundamentals of protective atmosphere brazing of nickel alloys, 22:21673 (WAPD-T-1947)
KAUFMAN, Stanley Lee Energy separation in atomic hydrogen, 23:41931
KAUFMAN, Stephen J. Selective inhibition of cells in the immune response by actinomycin D, 25:26671
KAUFMAN, Stephen L. Investigation of tritiated luminous compounds, 25:49079 (NP-18974)
KAUFMAN, Victor Fifth spectrum of praseodymium, 22:26247
KAUFMAN, W. J. Contamination of ground water by underground nuclear detonations. I, 22:21182 (HNS-9)
KAUFMAN, Warren J. Gas dispersion in porous media, 22:49048 (SERL-67-10)
Ground water study program, 22:18913 (HNS-21)
Strontium sorption by C. pyrenoidosa, 22:31013
Transport of radionuclides with suspended sediment in estuarine systems, 22:4272 (TID-24140)
KAUFMAN, William C. Radiometric measurement of skin temperature changes during simulated nuclear thermal radiation, 21:399
KAUFMANN, Berwind P. Microspectrophotometric determination of amount of DNA in irradiated mammalian cells, 21:16292
KAUFMANN, Claus Surface barrier detectors, 21:19975
KAUFMANN, E. Hazards to the human eye through laser exposure, 24:50931
Radiation protection in industry, 22:36266
KAUFMANN, E. N. Granular Moessbuaer absorbers, 21:19301
Gyromagnetic ratios of the first excited states of ^{122}Te and ^{124}Te, 21:33995
Implantation perturbed angular correlation studies on ^{238}U in Fe, 24:49882
Magnetic moment of the first excited state of ^{114}Cd, 21:12039
Magnetic moment of two-quasiparticle state in ^{183}W, 22:24882
Measurement of the g factor of the second excited, I/sup π/ = 2^+, two-phonon vibrational state in ^{106}Pd, 22:32654
Measurement of the g-factor of the 3^- octopole vibrational state in ^{208}Pb, 23:37203
Properties of the K = $^1/_2$ ground state rotational bands in ^{169}Tm and ^{171}Tm, 23:1898
KAUFMANN, Elton Neil Measurement of magnetic moments of excited states in Pd, W, and Tm nuclei, 24:15873
KAUFMANN, Frank P. Problem of zero-bias anomalies in the tunneling spectroscopy of superconductors, 25:14206
KAUFMANN, G. Addition compounds formed by pentachlorides of Nb(V), Ta(V), and Pa(V) with nitrosyl chloride, 24:2189
Determination of tritium-labelled compounds on thin-layer chromatograms, 21:5791
KAUFMANN, Gerard Coordination complexes of uranyl halogenides with dimethylsulfoxide. II, 21:15905
Ionization of the coordination complexes of uranyl halides with N,N-dimethylformamide in organic solvents, 21:3058
KAUFMANN, H. Another low energy nuclear physics on-line digital computer facility, 24:8770 (CONF-690301-, pp 333-9)
Changes in the course of radioinduced mitotic inhibition by the addition of nicotinic acid derivatives, 23:10012
Telecesium treatment of carcinoma of the larynx and hypopharynx, 22:43379
KAUFMANN, Horst Biochemical and systemic theory of radioinduced disturbances of mitosis, 25:44884
Effect of temporal distribution of doses on radiation-induced inhibition of mitosis in Ehrlich-ascites-tumor-cells, 23:29444
Effects of a nicotinic acid derivative on the recovery probability after irradiation, 22:40792
Experimental tests about time factor effects, 25:13474
Radioinduced inhibition of mitosis in Ehrlich ascites tumor cells, 23:38771

KAUFMANN, J. Measurement of the nuclear moment of ^{187}Os using a pulse-technique for the detection of very weak NMR-signals, 21:13861
KAUFMANN, Kh. Apparatus for measurement of ionization of charged particles in bubble chambers, 23:2651
KAUFMANN, M. Experimental proof of minor instabilities in the theta-pinch ISAR I, 24:51694 (IPP-1/105)
  Experiments with linear $l = 1$ high-β stellarator on ISAR I, 25:33203 (CTO-742)
  High beta ($l = 1$)-stellarator experiments, 25:38479 (CONF-710607-115)
  Investigation of the $m = 1$ instability of a bumpy theta pinch, 25:49911 (IPP-1/115)
  Linear experiment with $l = 1$ on the high-β-stellerator on ISAR I, 25:22469 (IPP-1/111)
  Mirror instabilities in Isar I theta pinch, 25:36182
  Radiation losses of a high-density Z-pinch, 25:5092 (SC-T-70-4044)
  Radiation losses of high density Z-pinch, 23:6970 (IPP-1/86)
KAUFMANN, Michael Radiation losses of a high density z pinch, 23:39467
  Radiation losses of a high-density z pinch, 24:51643
KAUFMANN, P. Correlation between sudden phase anomalies and solar microwave radio bursts, 24:25889
  Effect of a total solar eclipse on long-path vlf transmission, 22:19882
  Night-time anomalies in vlf propagation by galactic x-ray source at Centaurus, 25:11812
  Observations with a 7-GHz polarimeter, 24:37136
  Polarization and intensity distribution of solar bursts at 7 GHz, 23:3220
  Reversals of circular polarization during microwave solar bursts, 24:21503
  Solar corona at centimetre wavelengths, 22:45860
  Solar microwave bursts, 25:49661
  Some peculiar tropospheric and ground effects on solar noise radio measurements at 7 GHz, 23:14680
  VLF propagation effects produced by eclipse, 24:37389
KAUFMANN, P. D. Texture development and phase stability of 0.5Cu—0.5Mo Zr, 24:34912
KAUFMANN, Pierre Apparent sky temperatures and tropospheric absorption on solar radiation at 7 GHz, 22:19897
  Changes in coronal condensations emission after solar bursts at microwaves, 25:11620
  Characteristics of S component of solar radiation, 22:34235
  Distribution of trapped particles at altitude of 900 Km near south Atlantic geomagnetic anomaly, 24:32721 (AD-700232)
  Experimental results from measurements performed during the Nov. 12, 1966 total solar eclipse with a 4.28-cm radio polarimeter, 22:4986
  Microwave observations and ionospheric effects during 11/12/66 total solar eclipse, 23:27286 (AD-679212)
  Polarization bursts in the sun observed at microwave frequencies, 23:6857
  Polarization changes with time during solar microwave impulsive bursts, 25:893
  Possible emission of polarized microwave radiation from the solar hemispheres, 23:22840
  Prog. rpt. on lower ionosphere research, annual, 1/66—1/67, 21:46213 (AD-647794)
  Relative changes on lower ionosphere conductivity gradients during SID events, 22:22039
  Solar x-ray bursts and SPA's in lower ionosphere, 24:3244
  Unpolarized impulsive solar bursts observed at 7 GHz, 23:51294
  VLF propagation across geomagnetic anomaly during SIDs, 22:9203
KAUFMANN, Richard L. Explorer 12 magnetopause observations, 23:27439 (N-69-11535)
  Explorer 12 magnetopause observations: large-scale nonuniform motion, 23:39379
  Large-amplitude hydromagnetic waves in the inner magnetosheath, 24:47141
  MeV particles in outer zone, 24:12689 (N-70-11232)
  Shock observations with Explorer 12 magnetometer, 21:25029
KAUFMANN, W. Fallout removal from green fodders and effect of feed supplements on milk contamination, 24:44472
KAUFMANN, W. J. Redshift fluctuations arising from gravitational waves, 24:42491
KAUFMANN, William B. Bootstrap solutions of the Bethe—Salpeter equation, 22:46411
  Exchange-degenerate Regge trajectories and meson—nucleon charge-exchange scattering, 24:18221
  Numerical solutions of the Bethe—Salpeter equation, 24:13159
  Regge trajectories by the Schwinger variational principle, 22:11737
  Regge trajectories in a multichannel quark model, 25:33696
KAUFMANN, William Bailey Numerical studies of the Bethe—Salpeter equation, 23:32804
KAUFMANN III, William J. Exterior solution for radiating spheres with zero limb darkening in general relativity, 23:22723
  New energy—momentum tensor and exterior solution for radiating spheres in general relativity, 22:49928
  Radiating spheres in the scalar—tensor theory of general relativity, 22:46526
KAUFMANN III, William John Three astrophysical problems in general relativity, 23:12510
KAUKE, A. K. Reaction of molybdenum ions with dithiovanillic acid, 23:11421
KAUL, A. Calculation of radiation dose in bone marrow after incorporation of colloidal ThO$_2$, 21:22533
  Determination of the degree of de-emanation for a ^{228}Th solution, 23:7452
  Distribution of ^{228}Ra and ^{224}Ra in RES and marrow-free skeleton, 23:29337
  Distribution of radionuclides in suspensions of colloidal ThO$_2$, 25:29169
  Dose in liver and spleen after injection of Thorotrast, 23:31767
  Dose in skelton and bone marrow following Thorotrast injection into blood, 23:33719
  Features of physico-chemical protection against exterior radiation, 25:35166
  Gamma spectrometric determination of activity ratio between ^{228}Th and decay products. I, 22:48564
  Gamma spectrometric determination of activity ratio between ^{228}Th and decay products. II, 22:49099
  Kinetics of distribution and excretion of radium isotopes after injection of thorotrast into blood, 25:24033
  Periodic behavior of ^{222}Rn concentrations, 24:27335 (CONF-690540-, pp 174-83)
  Radiation-induced chromosome aberrations as an indicator for biological dosimetry, 25:46845
KAUL, B. L. Effect of 1-methyl-3-nitro-1-nitrosoguanidine on x-ray-induced chromosomal lesions, 25:8705
  Interaction of chromatid breaks induced by nitrosoguanidine in combination with some radiomimetics and x rays, 23:45699
  Modification of the radiomimetic effects of nitrosoguanidine by cysteine in plants, 24:923
  Protection against radiation-induced chromosome breakage in Vicia faba by dimethyl sulfoxide, 23:31695
  Radiation effect of monazite sand, 22:8504
  Studies on radioprotective role of dimethyl sulfoxide in plants, 24:25598
KAUL, C. N. One-dimensional magnetogasdynamics, 21:16852
  Weak discontinuities in shallow-liquid magnetohydrodynamics, 23:18490
KAUL, Peter Prog. rpt. on Dragon Project, 1—6/64, 24:40884 (DP-Report-310)
  Prog. rpt. on Dragon Project, 7—12/63, 24:40882 (DP-Report-280)
  Prog. rpt. on Dragon project, 7—12/64, 24:43691 (DP-Report-355)
KAUL, R. D. Helium 3^3 D fine structure, 22:19758
  Ion-bombardment level-crossing spectroscopy, 21:41817
KAUL, Walter Thermal decay effects on spatial distributions of radicals in γ-irradiated poly(methyl methacrylate), 25:51487
KAULA, William M. Dynamical aspects of lunar origin, 25:36010
KAULBERSZ, J. Gastric secretion in cats after intensive irradiation connected with previous and simultaneous hypoxia, 24:14523
KAULEN, D. R. Adaptive immunity of irradiated animals, 22:38201
  Chimerism of guinea pigs, 23:17948
  Effect of antilymphocytic sera on the hemopoietic tissue, 25:18921
  Effect of homologous hemopoietic tissue transplantation on the efficacy of seroprophylaxis of diphtheria intoxication in lethally irradiated guinea pigs, 22:49230
  Immunological reactivity of radiation chimeras. II, 23:2952
  Natural resistance of irradiated animals to botulin toxins, 22:30985
KAUN, K. H. Levels in ^{167}Tm, 25:5726
  Non-adiabatic effects in rotational bands of odd proton nucleus ^{155}Tb, 25:5783
KAUN, K.-H. Decay of ^{155}Eu, 24:6902
  Decay of ^{155}Eu, 24:43363
  Decay of ^{169}Ho, 21:4306
  Levels in ^{167}Tm, 24:43384
  Rotational bands in ^{161}Ho, 25:48112
  Three-quasiparticle excitations in ^{175}Yb, 23:37198
KAUN, Karl-Heinz Characteristics of deformed nuclei with uneven nucleon numbers in mass region $150 < A < 190$, 21:17356 (ZfK-Pha-23)
KAUN, L. Dislocation structure in Mo single crystals, 24:18034
  Effect of grinding on dislocation structure of Mo single crystals, 23:44538
  Slip line pattern and active slip systems of tungsten and molybdenum single crystals weakly deformed in tension at room temperature, 22:24479
  Slip system determination with light and electron microscopy of cubic space-centered metals, 22:34072
KAUP, D. J. Equation for exposure—dose rate due to x-ray continua, 21:41413
KAUP, David J. Klein—Gordon geon, 22:46520
KAUPA, H. Experimental investigation of creep buckling behavior of thin-walled tubes of very-high-temperature material, 25:40016 (KFK-1363)
  FORTRAN IV calculator program for predetermination of creep collapse of thin walled tubes, 24:44696 (NP-18354)
KAUPPILA, A. Radiation doses during radiotherapy of gynecological carcinoma, 25:44878
KAUPPILA, W. E. Excitation of atomic hydrogen to metastable 2 $^2S_1/_2$ state by electron impact, 24:17656 (N-70-10626)
  Excitation of atomic hydrogen to the metastable 2^2S/sub 1/2/ state by electron impact, 24:23803
  Lyman-alpha emission induced by the collisions of electrons with molecular hydrogen, 25:58729
  Polarization of Lyman alpha radiation emitted in electron collisions with hydrogen atoms and molecules, 24:17657 (N-70-10707)
  Polarization of Lyman-alpha radiation produced in collisions of electrons and hydrogen atoms, 22:7152
  Polarization of Lyman-alpha radiation emitted by H(2A) atoms in weak electric fields, 22:17384
  Polarization of Lyman-α radiation by excitation of H atoms by proton impact, 25:7179
  Polarization of Lyman-α radiation emitted in electron collisions with hydrogen atoms and molecules, 24:23802
  Polarization of Lyman-α radiation produced in charge-transfer collisions between protons and the inert gases, 25:7180
KAUPPILA, Walter Eric Polarization of Lyman alpha radiation produced in proton—atom collisions, 24:47027
KAURANEN, P. Cesium-137 and ^{210}Po in arctic fauna, 23:6448 (NYO-3446-11, pp 61-7)
  Decay of ^{105}Tc, 21:38325
  Environmental γ-radiation dose rate in Finnish Lapland and Southern Finland, 25:18986 (NYO-3446-14, Paper 28)
  Fission products of unusual composition in Finland, 22:187
  Gamma-spectrometric identification of fallout nuclides with a Ge(Li)-detector, 22:23314
  Polonium and radiolead in some aqueous ecosystems in Finland, 25:18930 (NYO-3446-14, Paper 27)
  Polonium and radiolead in some land animals in Finland, 25:18929 (NYO-3446-14, Paper 26)
  Stable lead and radiolead (^{210}Pb) in the "arctic" food chain, 23:41305 (NYO-3446-13, Paper 24)
KAURANEN, Pentti ^{210}Po and ^{210}Pb in some terrestrial animals in Finland, 25:46766
  Polonium-210 and ^{210}Pb concentrations in fish, 23:6449 (NYO-3446-11, pp 68-73)
  Polonium-210 and ^{210}Pb concentrations of some water and fish samples from Finland, 23:41304 (NYO-3446-13, Paper 23)
  Polonium-210 and ^{210}Pb in arctic food chain and natural radiation exposure of Lapps, 23:31772
  Stable lead and radiolead in air filter samples, 25:18933 (NYO-3446-14, Paper 32)
KAURKOVA, G. K. Radiochemical crosslinking of polyolefins in the presence of sulfur monochloride, 22:14544
KAUS, P. Bootstrap studies of the rho meson and the "generalized potential" of the modified Cheng representation, 21:18982
  Colliding Regge poles and cuts, 24:37957
  Complex Regge poles in πN backward scattering, 25:59495
  Conjectured set of exact bootstrap equations, 23:49061 (CALT-68-221)
  Conjectured set of exact bootstrap equations, 25:1493
  Field-theoretic formulation of the bootstrap hypothesis, 22:44487
  Rising meson trajectories, 22:20234
KAUS, P. E. Prog. rpt. on high energy physics, annual, 6/68, 22:44403 (UCR-34-P-107-73)
  Prog. rpt. on particle physics, annual, 4/68—4/69, 23:39688 (UCR-34-P-107-95)
KAUS, Peter Baryon trajectories without MacDowell partners, 24:37792
  Complex Regge poles in the cut j plane, 25:3402
  Crossing-symmetric rising Regge trajectories, 23:7186
KAUS, Peter E. Bootstrap of rho-P' trajectory, 23:25614
  Prog. rpt. on particle physics, annual, 5/66—5/67, 21:37776 (UCR-34-P-107-49)
KAUSCHE, H. Radiation output and quality of x-ray tubes with beryllium windows as a function of anode material, 21:22995
KAUSHAL, N. Calibration of a large proton recoil detector for fast-neutron spectra measurements, 21:6256
KAUSHAL, N. N. Angular distribution of fast neutrons in depleted uranium, 23:5761
  Assessment of the ENDF/B-II file for iron based on integral transport experiments, 25:41214
  Experimental and analytical studies of fast neutron transport in iron, 25:56618 (RPI-328-230)
  Fast-neutron flux distribution in a depleted-uranium assembly, 24:7227
  Fast-neutron spectrum and time moments of pulse decay in a bulk aluminum assembly, 25:6106
  Fast-photoneutron spectra due to 55 to 85-MeV photons, 23:7236
  Fine structure in the neutron total cross section of bismuth, 21:10030
  Hole perturbation effects on fast-neutron spectra in bulk media, 24:33548
  Integral tests and evaluation of cross-section data from studies of fast neutron transport in bulk media, 25:25609 (RPI-328-225)
  Kinetic studies in a depleted-uranium assembly, 23:37752
  Measurement and analysis of fast-neutron spectra in iron, 24:6810
  Neutron yields from targets bombarded by bremsstrahlung, 25:39031
  Small sample scattering as an integral check on the neutron scattering cross sections, 24:33099
  Studies of fast-neutron spectra across a material interface, 25:41407
  Study of neutron transport in iron with an assessment of data files, 25:5495
  Time-of-flight measurements of fast-neutron spectra in aluminum, 24:6811
KAUSHAL, Narinder N. Fast photoneutron spectra due to 55- to 85-MeV photons, 22:44608
KAUSHAL, R. S. Absorption of free pions followed by single-nucleon emission, 24:35902
  Absorption of free pions followed by single-nucleon emission, 25:50857
  Hartree—Fock charge distribution and form factor of ^{4}He, 24:15779
  Hartree—Fock charge distribution in light nuclei, 23:19145
  Models of nuclear-charge distribution, 23:49455
  Pion capture rate in finite nuclei, 24:38106
  Rescattering corrections to the absorption of free pions in complex nuclei, 25:39117
  Shell model calculation of π^--absorption rate in complex nuclei, 25:50856
KAUSHAL, S. Rubidium—Sr, U, and Th—Pb dating of lunar material, 24:21522
KAUSHAL, Sushil K. Rubidium-87—^{87}Sr age of carbonaceous chondrites, 24:17409
KAUSHANSKII, D. A. Economical effectiveness of use of gamma-ray irradiation units of Kolos type, 25:32120

  Effect of preliminary irradiation of zeolites on their activity during the conversion process of propylene, 24:11601
  Gamma irradiation plant for radiation studies, 22:52070
  Gamma-ray irradiation equipment, 25:54837
  MRKh-γ-25M Type isotopic γ-ray source for microbiological radiation-chemical investigations, 25:32139
  Soviet gamma apparatus for investigations in biology and medicine, 22:49039
KAUSHANSKY, D. A. Apparatus for carrying out radiation-chemical and microbiological investigations, 24:356
  Gamma-irradiation apparatus for treatment of root- and tuber- crops, 25:29253
KAUSHIK, N. K. Thin-layer chromatographic separation of Se(IV), Te(IV), V(V), and Mo(VI), 23:40822
KAUSHIKA, N. D. Drifts and anisotropy of E-region ionization irregularities over Ahmedabad, 23:42109
  E- and E/sub s/-layer drifts over low-latitude station, 25:1065
  Fading characteristics of radio waves reflected from the E/sub S/ layer at Thumba, 21:9406
  Fading characteristics of radio waves in E region over Ahmedabad and Thumba, 23:5301
KAUSZ, I.-A. Processing of radioactive waste water for storage as a solid, 23:26496
KAUSZ, Ivan Entrapment of radioactive waste water using sodium borate, 24:27217
  Method and apparatus for recovering boric acid in nuclear reactor plants controlled with boric acid, 22:39943
KAUSZ, Ivan-Antal Reactor auxiliary systems and ancillary installations in Obrigheim nuclear power station, 22:14187
KAUTSKY, H. Measuring instruments for the continuous control of radioactivity in the subsurface water of the oceans, 25:10817
KAUTZKY, Anton X-irradiation of verruca juvenilis with special emphasis on its plantar form, 25:29601
KAUW, Gisela Investigations on enriched isotopes with natural alpha radiation, 22:35323
KAVADAS, A. Latitude variation of radar aurora with local substorm activity, 24:32751
  Periodic fading in 42-MHz auroral backscatter, 23:39388
  Polarization characteristics of 42-MHz auroral backscatter, 25:22383
KAVALEV, I. I. Normal spectral emissive power of W, Nb, Mo, and Ta, 25:40027
KAVALKOVICH, W. All-welded-and-brazed instrumentation ports for NERVA reactors, 21:1874 (WANL-TME-1465)
KAVALOSKI, C. D. Decay of isobaric analogue states in the lead region, 21:25521
  Lifetimes and branching ratios in ^{42}Ca employing (p,p'γ) reaction, 23:25864
  Lifetimes and branching ratios in ^{46}Ti, 23:37170
  Studies (d,^{3}He) on ^{90}Zr, ^{89}Y, and ^{88}Sr, 21:44629
  Studies of photon cascades in (α,2n) and (α,3n) reactions on rare-earth nuclei, 23:15478
  Two-neutron-hole configurations in ^{206}Pb from isobaric analog measurements, 22:42035
KAVALOV, R. L. Bubble chamber (300-liter) PK-300, 23:33526
  Nanosecond pulse generator for spark chamber, 23:26574
KAVAN, K. New devices in cooling system of WWR-S reactor, 22:20913 (ZFK-RN-31, pp 45-8)
KAVAN, Karel Nondestructive contact-less measurement of the defects in fuel element cans, 25:6511
  Pneumatic transport of radioisotopes in VVR-S, 24:43819
KAVANAGH, L. D. Jr. Plasma flow in the magnetosphere, 22:47960
  Transient variations in magnetospheric boundary position, 21:23091
KAVANAGH, Lawrence D. Jr. Radial diffusion coefficients for electrons of 50 to 100 keV from L = 4 to L = 7, 22:29344
  Revised (B,L) coordinate system to allow for distention of magnetosphere by symmetric ring current, 22:13347
  Solar wind and solar energetic particles, 24:42556
KAVANAGH, M. J. Irradiated fuel services and the reactor operator, 24:9465
KAVANAGH, M. T. Irradiated fuel transport from Garigliano to Windscale, 23:33369
  Shipment of irradiated fuel, 23:29121
  Transportation of irradiated fuel from the Latina electronuclear power plant, 21:23654
KAVANAGH, R. W. ^{10}Be(d,p)^{11}Be and the ^{10}Be(d,α)^{8}Li reactions, 24:35821
  Decay modes of ^{9}Li and states of ^{9}Be, 24:38131
  Energy, lifetime, and spin of 1611—keV level in ^{37}Ar, 21:27560
  First excited state of ^{4}He via the reaction ^{7}Li(p,α), 24:35813
  Gamow—Teller β decays and M1 γ rays in A = 4N + 2 nuclei, 23:25845
  Lifetime measurements for excited states in ^{33}S, 24:38194
  Lifetime of 78-keV level of ^{32}P, 25:50673
  Lifetime of excited state at 472 keV in ^{43}Sc, 22:42028
  Lifetimes by Doppler shift using solid and gaseous stopping media, 23:49336
  Mass and half-life of ^{9}C, 25:28187
  Masses and excitation energies of some proton-rich nuclei, 21:9955 (AD-642000)
  Masses and excitation energies of some proton-rich nuclei, 21:12003
  Nuclear energy levels of ^{37}K, 21:33900 (AD-654156)
  Nuclear energy levels of ^{37}K, 21:44636
  Positron decays of ^{38}Ca and ^{38}K, 23:7256
  Semiconductor detector as a fast neutron spectrometer, 21:10660
KAVANAGH, T. M. Channeling and coherent bremsstrahlung effects for relativistic positrons and electrons, 24:37539
  Cross sections for inner-shell vacancy production in ion—atom collisions, 24:32649
  Multiple L-shell vacancy effects in energetic heavy ion collisions, 25:49708
  Production of carbon characteristic x rays by heavy-ion bombardment, 23:8442
  Production of carbon K x rays by heavy-ion bombardment, 25:43107
  Soft x rays from collisions of 1 MeV H_2^+ and 500 keV Ar^+ with carbon, 25:18836
  Use of characteristic x rays to monitor annealing of ion-implanted diamond, 23:32570
  X-ray production in C^+—C collisions in energy range 20 keV to 1.5 MeV, 23:46270
  X-ray production in ion—atom collisions, 25:9164
  X-ray spectra from argon—argon collisions, 24:26013
KAVATS, G. E. Methods for accelerated determination of the radiobiological effect at irradiation of plant seeds, 24:23397
  Predicting radiation effect in seeds of cereal grasses, 25:11314
KAVEESHWAR, V. G. Refractive index, dynamic polarizability, and Verdet coefficients of He, Be, and Ne, 22:38760
KAVENOKY, A. Approximation of the Boltzmann equation, 23:47292 (CNM-R-2(Vol.1), pp 176-205)
  Effect of non-uniformity of slowing-down flux on the resonance integral, 22:30381
KAVENOKY, Alain Acceleration technique for the solution of Boltzmann integral equation, 25:48338 (CEA-CONF-1762)
  C/sub n/ method for approximation of Boltzmann equation, 22:39540 (CEA-R-3170)
  C/sub n/ method of approximating Boltzmann equation in cylindrical geometry, 22:24820
  C/sub N/ method of approximating Boltzmann equation and exponential experiment problems, 23:4423
  C/sub N/ method of approximating Boltzmann equation and critical problems, 23:4424
  C/sub N/ method of approximating Boltzmann equation and fast exponential problems, 25:41183
  New method of approximation of Boltzmann equation, 22:24819
KAVERINA, S. N. Change of mechanical properties and dislocation structures of deformed molybdenum alloys during annealing, 24:8145
  Effect of the deformation temperature on the structure and mechanical properties of low-alloyed molybdenum, 25:58231
  Structural changes and cold brittleness of molybdenum during deformation, 22:8755
  Structural changes and mechanical properties of annealed molybdenum, 21:36850
KAVERZNEVA, E. D. Activity of γ-irradiated lysozyme, 22:43230
  Gamma-irradiated ribonuclease by method of gel filtration, 22:33738
  Hydrodynamic size of γ-irradiated lysozyme, 23:22224
  Radioprotective action of stellin, 22:25864
  Suppression of the tendency of γ-irradiated lysozyme for aggregation after treatment with mercaptoethylamine, 24:9732
KAVESHNIKOVA, S. V. Dose distributions in eccentric rotation gamma-irradiation, 24:50916
KAVETS'KII, R. E. Effects of laser radiation on tissue culture cells, 22:23452
  Intensification of antiblastic action of quantum generators, 25:21887
  Lasers in biology and medicine, 25:21797
  Possibility of applying lasers in oncology, 24:14564
KAVILADZE, M. Sh. Ion source for measurement of isotopic composition of solid-state samples, 23:6074
KAVLAKOV, Sht Zenithal angular distribution of charged nuclear-active particles with mean energies exceeding 60 GeV, 22:21940
KAVTARADZE, K. N. Problem of difference in the radioprotective mechanism of betamercaptoethylamine and mexamine, 21:10931
KAVTELADZE, B. M. Absorption of ^{85}Sr by grape vine, 23:41208
  Assimulation and distribution of ^{85}Sr in apple trees, 22:40606
  Content of ^{90}Sr in leaves and fruits of some fruit trees, 21:36603
KAVUKCHYAN, T. V. Effectiveness of radioprotectors in repeated irradiation, 25:44839
  Protection of dogs from ionizing radiation by shielding bone marrow, 25:29658
KAVUN, S. M. Reaction of phenothiazine and its derivatives with radioactive ^{35}S, 21:3021
KAW, P. Acoustic instability in weakly ionized gases, 24:8481
  Anomalous absorption of an electromagnetic wave in a plasma, 24:40154
  Anomalous heating of plasmas by laser irradiation, 25:25082 (MATT-817)
  Optical absorption and expansion of laser-produced plasmas, 23:23162
KAW, P. K. Anomalous high-frequency resistivity and heating of a plasma, 24:28224 (MATT-756)
  Anomalous high-frequency resistivity and heating of a plasma, 24:35456
  External control of ion waves in a plasma by high-frequency fields, 25:27807
  Higher-order thermal diffusion of electrons in ionized gases, 25:1203
  Laser-induced anomalous heating of a plasma, 24:8434
  Low-frequency surface waves on a warm plasma, 25:1256
  Nonlinear and second order thermal diffusion of electrons in ionized gases, 21:31231
  Nonlinear demodulation of an amplitude-modulated electromagnetic wave propagating in a magnetoplasma, 22:9327
  Nonlinear generation of combination frequencies in a homogeneous magnetoplasma, 21:23192
  Nonlinear high-frequency plasma conductivity, 23:1430 (MATT-638)
  Nonlinear high-frequency plasma conductivity, 23:18654
  Nonlinear propagation of a moderately strong electromagnetic wave in a fully ionized plasma, 22:52780
  Optimum seeding of a nonequilibrium helium plasma with caesium, 22:24310
  Particle orbits in two waves of arbitrary amplitude, 25:9477
  Plasma instabilities in ionospheric heating by radio waves, 25:11806
  Second-harmonic generation in plasmas by nonuniform microwave fields, 22:19984
  Steady electric-field-induced anisotropy in the ac conductivity of a slightly ionized plasma, 22:52809
  Surface waves on a plasma half-space, 24:35509
KAW, Predhiman Nonlinear effects of laser propagation in dense plasmas, 23:42317
  Relativistic nonlinear propagation of laser beams in cold overdense plasmas, 24:15321
KAW, Predhiman K. Generation of second harmonic and sum and difference frequencies in homogeneous plasma, 21:7255
  Nonlinear second harmonic generation in an inhomogeneous magnetoplasma, 21:7254
  Ponderomotive force on laser-produced plasmas, 25:14332
KAWA, J. Strong L = 0 and 2 transitions in (p,t) reactions on even-mass Nd isotopes, 24:43441
  Strong transitions in (p,t) reactions in even-mass Nd isotopes, 23:49418
KAWABATA, Arisato Electronic properties of fine metallic particles. II, 21:2242
  Microscopic derivation of Langevin equation for order parameter in superconductors, 25:40531
KAWABATA, K. Effect of electric field direction on pulsed radiation-induced current in crystalline quartz, 25:45552
KAWABATA, Keisuke Dependence of pulsed-radiation-induced current upon direction of applied electric field in crystalline quartz, 24:40174
  ESR of irradiated calcium nitrate ice, 22:42794
  Pulsive radiation-induced current in electric insulators. I, 22:43198
  Reaction of the hydrated electron, 22:12387
  Temperature dependence of solvated electron in concentrated aqueous solution of alkali, 22:42795
KAWABATA, Masaya Peripheral circulation and bone growth. III, 23:31857
KAWABATA, Mayasa Peripheral circulation and bone growth, 23:50239
KAWABATA, Rokuro Method for producing lead alloy shielding bricks, 21:26782
  Method for producing radiation-shielding lead blocks, 23:18198
KAWABATA, Seiji Ionic polymerization under electric fields. II, 21:8342
KAWABATA, Toshiharu Stability of chlortetracycline, tylosin, and furylfuramide against low level of ionizing radiation, 22:21421
  Studies on the sorption and release of radionuclides by river sediments, 22:40216
KAWABE, Hiroshi Strong-acid membrane prepared from vinyl-acetate-grafted polyethylene, 23:4649
KAWABE, Kunihiko Effects of x irradiation on thymectomized adult mouse, 23:16398
KAWABE, Mitsuo Penetration of electrons into anthracene crystals, 25:11673
KAWABE, T. Energy analysis of cesium ions in Q machine, 25:27686
  Propagation of electron waves in a plasma at lower frequency than plasma frequency, 25:49947
  Propagation of electrostatic ion waves in the vicinity of ion cyclotron frequency in a plasma, 23:1452
  Suppression of plasma ion oscillations by electron plasma oscillations, 23:3526
  Temporal and spatial origin of hot ions in turbulent heating of a plasma, 24:42655
KAWABE, Takaya Electron plasma oscillations excited by two-beam instability and nonlinear coupling between them, 21:7257
  Enhanced diffusion and high-frequency oscillation in a plasma, 21:7222
  Excitation of plasma electron oscillations by ion—acoustic waves, 22:17648
  High-frequency and low-frequency oscillations in a plasma in a magnetic field, 21:7223
  Interactions between high frequency oscillations and low frequency oscillations in beam—plasma system, 22:11451
KAWABE, U. 1-kW superconducting ac generator utilizing superconducting rotating shields, 25:45437
  Critical current of superconducting Nb(Cb)—Zr—Ti alloys in high magnetic field, 22:49729
  Nb—Zr—Ti ternary alloy in superconducting magnets, 23:6953
  Peak effect in superconducting Nb—15 at. percent Zr—45 at. percent Ti alloys, 21:43983
  Superconducting saddle-shaped magnets, 23:3428
KAWABE, Ushio Effect of precipitation on critical current density of Nb—40 at. percent Zr—10 at. percent Ti alloy in magnetic field, 23:8189
  Magnetic shielding by superconducting Nb—40Zr—10Ti hollow cylinders, 23:12720
  Rotary electrical ac generators utilizing the magnetic shielding and trapping by superconducting plates, 24:2348
KAWABUCHI, K. Separation between Re—Mo—W, Mo—W with cellulose ion exchanger, 24:13758
  Use of DEAE-cellulose in inorganic thin-layer chromatography, 24:22762
KAWABUCHI, Kazuaki Anion-exchange separation and spectrophotometric determination of molybdenum and tungsten in silicate rocks, 24:13753

Cation exchange behavior of metal ions in ammonium sulfate media, 23:11619
Determination of Mo and W in seawater, 23:31292
KAWACHI, Kiyomitsu Neutrons from thick target Be (d,n) reactions at 1.0 MeV to 3.0 MeV, 22:18128
KAWADA, A. Free radicals in irradiated imidazoles, 25:176
KAWADA, Haruo Nonequilibrium MHD power generation, 23:20742
KAWADA, M. Carbon-14 isotope effects in formolysis and trifluoroacetolysis of 2-aryl-(aryl-^{14}C)-ethyl p-nitro benzene sulphonates, 25:31909
KAWADA, Mitsuru Carbon-14 isotope effects in acetolysis of 2-aryl-(aryl-1-^{14}C)-ethyl-p-nitrobenzenesulfonates, 23:31336
KAWADA, T. Change of UO_2 hardness with rising temperature and change of crystal structure by annealing, 22:38621 (KFK-tr-252)
Electrical conductivity of UO_2, 21:1939 (BNWL-296(Pt.1))
Electrical conductivity of uranium dioxide, 22:11064
KAWADA, Y. Effects of source—absorber spacing in $4\pi\beta$—γ coincidence counting of ^{106}Ru—^{106}Rh, 25:32225
Experimental determination of correction in $4\pi\beta$—γ coincidence measurements on activated gold foils, 22:23294
New method of measuring response of a $4\pi\beta$-counter to γ-rays and internal conversion electrons, 23:29167
Radioactivity measurements by the $4\pi\beta$—γ anticoincidence spectroscopy method, 24:11832
KAWADA, Yasushi Current status of radioactivity standardization, 25:34818
KAWADE, Kiyoshi Gamma-ray spectroscopy of ^{42}K, 24:40584
Gamma-ray spectroscopy of ^{76}As, 25:28278
KAWADE, Y. Ultraviolet inactivation of E. coli ribosomes. II, 23:9896
KAWADE, Yoshimi Formation and splitting of uracil dimer in transfer RNA, 23:20118
Inactivation of E. coli ribosomes by uv irradiation. I, 22:4568
Ultraviolet photoreaction kinetics of transfer RNA, 23:20119
KAWAGUCHI, Akitsugu Connections and their invariants in higher-order spaces, 21:7416
KAWAGUCHI, Chiyoji Review of nuclear instrumentation for fast reactors, 24:4044
KAWAGUCHI, Hiroshi Analysis of U in Zircaloy, 23:45174
Analytical application of x-ray excited optical fluorescence spectra. III, 24:29207
Analytical applications of x-ray excited optical fluroescence spectra. I, 24:5597
Analytical applications of x-ray excited optical fluorescence spectra. I, 25:29
Fluorescent x-ray analysis of high-purity Dy_2O_3, 21:40795
Removal of radioactive contamination in body. III, 23:35708
KAWAGUCHI, Ichiro Dome formation in the corona around a prominence observed at the total eclipse of February 15, 1961, 22:884
Effect of ultraviolet radiation on the ionization and excitation of matter in prominences. II, 21:9261 (N-66-32564)
KAWAGUCHI, Keizo Construction of nuclear power plant, 25:20564
State of development of ATR and construction of prototype, 24:24803
KAWAGUCHI, M. Highly ionized plasma column of low-pressure discharge in a longitudinal magnetic field, 25:25122
Radiative pion capture in ^{16}O, 22:48457
KAWAGUCHI, Masaaki Absorption correction in positive pion photoproduction in GeV region, 21:40178
Determination of rho$\pi\gamma$ coupling constant from rho^0 photoproduction, 24:49374
Phase shift analysis and real amplitude of high energy proton—proton elastic scattering, 21:17137
Phenomenological analysis of pion nucleon scattering at high energies, 22:17962
Quark model and elastic scattering at 90°, 22:13738
Quark model and two-body reactions, 21:35313
Quark model and two-body reactions. II, 22:5575
Quark model with factorizability assumption, 22:13737
Quark model with factorizability assumption, 22:26630
Quark model with factorizability assumption, 23:5591
Radiative pion capture in complex nuclei, 23:28250
rho^0- and phi^0-meson photoproduction from hydrogen and deuterium, 24:51899
KAWAGUCHI, Motoichi Modes of the screw instability in a positive column for several gases, 22:5388
Radial density profile in a positive column with a longitudinal magnetic field, 21:9549
Strongly ionized plasma column of low pressure discharge in a longitudinal magnetic field, 25:1178
KAWAGUCHI, Norio Dual structure in πN scattering, 24:49488 (NP-18417)
Dual structure in πN scattering, 25:41003
Existence of the A_2' meson, 24:1612
KAWAGUCHI, Osamu Recent studies in nuclear power plant safety. I, 21:8815
KAWAGUCHI, S. Charge ratio of high-energy cosmic-ray muons at large zenith angles, 23:39596
KAWAGUCHI, Sadao Rocket observations of electron density of daytime ionosphere, 25:30360
KAWAGUCHI, Setsuo Horizontal air showers of energies above 10^{15} eV, 25:12071
KAWAGUCHI, Susumu Immunologic unresponsiveness in adult mice, 23:38502
KAWAGUCHI, Toranosuke Effect of high-temperature heating on magnetic properties of (Ce—MM)—Cu—Co ternary alloys, 25:14464
KAWAGUTI, M. Proposal for a new digitizer of bubble chamber photographs, 22:36101
KAWAGUTI, Minato Flying image digitizer, 22:40459 (BNL-12679)
Flying image digitizer utilizing means for sweeping the focused image past a linear array of photodetectors and grating means for locating recorded data in space and time, 24:25303
KAWAHARA, Francis K. Radioisotopic power generators: state-of-the-art report, 23:35415 (AD-687131)
KAWAHARA, Hiromichi Abnormal microstructure formed in hot rolled plates and sheets of $\alpha + \beta$ titanium alloys, 25:2752
KAWAHARA, Hosaku Radiocontamination in Hokkaido. IX, 25:54789
KAWAHARA, S. Development of mechanical sodium pump, 24:52894
Sodium technology in Japan, 22:17077
Sodium-heated steam generator for the FBR, 24:52897
KAWAHARA, Seiji Transient response of heat transfer and thermal stresses in thick walls of sodium components, 23:45458 (ANL-7520(Pt.2), pp 331-42)
KAWAHARA, Takuji Nonlinear hydromagnetic solitary waves in a collision-free plasma with isothermal electron pressure, 22:7284
Weak ion—acoustic shock waves, 24:51731
Weak nonlinear magneto-acoustic waves in a cold plasma in the presence of effective electron-ion collisions, 24:26252
KAWAHARA, Yujun Dynamic properties of concrete exposed to high temperature, 23:30143 (ORNL-tr-2124)
KAWAHATA, Masao High strength precipitation hardening heat resisting alloys, 23:20486
KAWAI, Hiroshi Alpha emitters in foods, 23:26191
Behavior and distribution of radioactive substances in coastal and estuarine waters, 25:34760
Detection of neutrons with the etch-pit counting method, 22:40370
Determination of arsenic in biological materials by activation analysis, 22:48
Radiation hazard control system, 23:41326
Radioactive fallout from Chinese nuclear explosions, 22:51131
Radioactivities in sea near the Goto Islands, 25:29241
Release of radioactivities from ion exchange resins into sea water, 23:11676
Studies on the reduction of thoria by calcium, 22:4080
KAWAI, Hisao Effect of plastic deformation on crystal current density in Pb—In crystal, 25:43300
KAWAI, Jun-ichi Measurement of micro elements in dental pulp by activation analysis, 24:4242
KAWAI, K. Microdosimetry, 24:46608 (JAERI-4047)
KAWAI, Katsuo Calculation of primary energy transfer and effective inactivation cross section of targets for heavy charged particles, 23:51361 (JAERI-1179)
Survival rates and effective inactivation cross sections of targets for heavy charged particles, 24:706 (JAERI-1180)
KAWAI, Keiji Measurements of erosion of condenser tube by neutron activation analysis. II, 21:42889
KAWAI, Kenichi Beta-decay of ^{31}Si, 25:51540
Biological synthesis of AMP by recoiled ^{31}P atom from β-decay of ^{31}Si, 24:46248
Determination of alkaline phosphatase activity by activation analysis, 23:45226
Phosphorus-32 retention of DNA irradiated in a reactor, 24:2581
Phosphorus-32-retention and physical change of DNA irradiated in reactor, 23:41255
KAWAI, M. Coupled-channel studies of (d,p) reaction, 22:27356
Validity of DWBA for (d,p) reactions, 24:3869
Validity of DWBA for (d,p) reactions, 24:43572
KAWAI, Mitsuji A method of approximation for the form factor of the nuclear stripping and pick-up reactions, 22:9952
Approximation for form factors of nuclear stripping and pick-up reactions, 21:27644
Deuteron optical potential, 24:20342 (JAERI-1184, pp 57-61)
Deuteron stripping reaction by coupled channel theory. I, 23:40144
Deuteron stripping reaction by coupled channel theory. II, 24:43488
Nuclear matter and nuclear reactions, 22:24924
Shell model calculation of the form factor of stripping reactions, 22:27353
Shell-model calculation of form factors for one-nucleon transfer reactions, 24:5443
Topics in optical model of nuclear reactions, 24:20419 (JAERI-1184, pp 39-48)
KAWAI, N. Delayed neutrons from ^{11}B, 23:7230
Magnetic measurements under hydrostatic pressure: intensity of magnetization and anisotropy, 22:4523
New activity ^{51}Ti, 21:38292
Production of radioisotope ^{28}Mg, 21:40401
Repeated pulse activation analysis for measurement of short half-life radionuclides, 23:37922
KAWAI, Naoyuki Method for producing radioisotope ^{28}Mg, 22:33406
KAWAI, Nawoyuki Elastic and inelastic scattering of protons on ^{22}Ne and the T = 1/2 and T = 3/2 energy levels of ^{23}Na, 21:15538
Electron loading in the accelerating tube of the electrostatic accelerator, 24:15745
Excited states in ^{27}Al from reaction ^{24}Mg(p,p)^{24}Mg, 24:35849
Triton-induced reactions on ^{11}C, 23:34730
KAWAI, Shichio Neutron-irradiated quartz, 23:46547
KAWAI, Shunzo Radiation-induced bulk polymerization of maleimide, 21:32207
KAWAI, T. Blast-resistant mutations in rice, 24:41806
Effect of crystallization conditions on radiation-induced crosslink formation in polyethylene. VI, 21:9662
Generalized factorization theorem and the asymptotic behavior of the scattering amplitude, 21:33786
Nonunitary representations of the Poincare group and field theory of unstable particles, 23:18972
Pile neutron and x-ray irradiations on rice, 24:17023
Reconstitution of the scattering amplitudes satisfying moment sum rules, 23:51947
Relative effectiveness of physical and chemical mutagens, 24:41819
Short-grain mutants in rice, 24:21140
Stability analysis of large boiling water reactor by a coupled reactor model, 24:47955 (CONF-680980-, pp 351-61)
Studies on polyvinyl acetate solutions by means of radiation-induced crosslinking, 25:4094
Total $\pi\pi$ cross section and the width of the forward diffraction peak at high energy, 21:4044
Transport mechanism of uranium in the iodide process, 22:12420
KAWAI, Tadahiko Application of the finite element method to pressure vessel design, 25:18257
Three-dimensional theory on the natural vibration of circular cylindrical shells, 25:44494
KAWAI, Tadashi Device for containing electromagnetic fluid, 23:46454
KAWAI, Takeshi Early heading mutations of rice, 24:660
KAWAI, Toru Graft-polymerization of styrene on polyethylene single crystals, 22:27752
Stem cell in peripheral blood: study by parabiosis of irradiated and nonirradiated animals. II, 24:36830
Study of textures of polyethylene polymerized by γ-ray irradiation in gas phase, 25:144
KAWAI, Toshiharu Lorentz pole structure of the Virasoro model, 25:56494
Regge poles and their residues in the Virasoro model, 25:56493
Sum rules based on Khuri amplitudes and degeneracy of Regge trajectories, 24:42956
KAWAI, Toshio Application of invariant imbedding method to coupled reactor kinetics, 21:40605
Control-rod programming, 24:11322
Interpretation of sound velocity in two phase mixtures, 24:36496
Optimal control rod programming, 24:33557
Present state of research on burnup optimization of power reactors, 25:46246 (KURRI-TR-75, pp 83-5)
Transient of a pulse reactor, 22:48744
Transient thermal characteristics of UO_2 fuel rods, 23:47708
KAWAI, Tsuneo Radiotherapy of genitourinary cancer, 24:25539
KAWAI, Y. Amplification effect due to large-amplitude electron plasma waves, 25:49945
Control of ion-energy distribution in a back-diffusion type plasma, 24:42673
Ion heating caused by ion-acoustic waves in an ion-streaming plasma, 25:14240
Ion—acoustic waves in streaming-ion plasma, 24:26266
Measuring electron energy distribution in time-varying plasmas, 23:42248
Nonlinear effect of large-amplitude ion acoustic waves, 25:3151 (IPPJ-94)
Nonlinear effect of large-amplitude ion acoustic waves, 25:40713
Production of quiescent plasmas with T/sub i/ > T/sub e/, 25:9483
Propagation of electron waves in a plasma at lower frequency than plasma frequency, 25:49947
Shielding experiment for the first nuclear ship in japan, 24:2052
Suppression of plasma ion oscillations by electron plasma oscillations, 23:3526
KAWAI, Yasuhiko Health physics in the first nuclear ship, 24:24901
KAWAI, Yoshinobu Interactions between high frequency oscillations and low frequency oscillations in beam—plasma system, 22:11451
Ion heating caused by ion acoustic waves in an ion-streaming plasma, 25:30458 (IPPJ-104)
Ion-acoustic waves in streaming-ion plasma, 25:3161
Modified PIG-type plasma source, 25:30543
Propagation of large-amplitude electron plasma waves, 25:30610
KAWAII, Masamichi Syntheses of isocinchomeronic acid monoesters, 25:51352 (UCRL-Trans-1452)
KAWAJI, Hisanori Effect of 5-bromo-2'-deoxyuridine and irradiation upon animal tumor, 24:34687
KAWAKACHU, Noboru Electron radiation burn due to electrostatic accelerator, 23:2976
KAWAKAMI, A. Lagrangian field theory of the Rarita—Schwinger fields with spin 5/2, 21:21303
Lagrangian formalism for massive Rarita—Schwinger fields with spin 5/2, 21:29626
KAWAKAMI, Akira Regge trajectory for nucleon—nucleus scattering, 23:13330
KAWAKAMI, H. Excited states in ^{100}Ru and ^{102}Ru, 22:27169
Level structure of ^{105}Pd, 25:3670
Lifetime measurements on E2 isomers in N = 48 nuclei, 25:43847
KAWAKAMI, Hirokane Control system of goniometer for in-beam spectroscopy, 25:49038 (INS-TL-111)
Electron—gamma angular correlation apparatus using a Si(Li) detector, 23:2633
Excited states in ^{100}Ru studied by the decay of ^{100}Rh, 22:18244
Third excited level of ^{199}Hg, 24:24563
KAWAKAMI, Hiroyasu Application of activation analysis in hot spring chemistry and sanitary chemistry, 25:26195
Design for laboratory facilities with a neutron generator, 23:38151
Determination of ^{35}Cl/^{37}Cl ratio by activation analysis, 24:16456
Determination of Hg in hot spring water by neutron activation analysis, 23:40602
Determination of Hg in human hair, 23:40603
Some characteristics of neutron generator. I, 23:15345
KAWAKAMI, I. Confinement of collision-dominated plasma, 23:32316

KAWAKAMI, Ichiro Axial behavior and confinement of plasma in the mirror-field theta pinch, 25:30464
  Collision of two plasma streams. I, 23:1453
  Drift of a theta-pinch plasma due to the asymmetry of magnetic field, 21:29195
  Expansion and thermalization of plasma in a non-uniform magnetic channel, 22:41616
  Perturbation approach to nonlinear Vlasov equation, 24:15314
  Perturbation approach to nonlinear Vlasov equation. II, 25:11933
  Perturbation approach to nonlinear Vlasov equation. III, 25:36236
  Radial motion of plasma in theta pinch, 25:52815 (IPPJ-DT-23)
KAWAKAMI, Kooichi Influence of nuclear plant on its region, 23:13864
KAWAKAMI, M. Chemically stable electrode material in liquid iron, 25:57441
KAWAKAMI, Masao Preoperative radiotherapy of cancer and radiosensitivity test, 24:32120
KAWAKAMI, Masazumi Effect of irradiation to central nervous system, 23:50875
  Effect of irradiation to the central nervous system, 23:14262
  Effects of head irradiation on paradoxical sleep, 24:9937
KAWAKAMI, S. Cosmic ray angular distribution underground at 1500 hg/cm^2 (Kolar), 22:47857
KAWAKAMI, W. Analytical method for determining rate constants using a periodical irradiation technique, 24:25069
  Structure and properties of polyethylene produced by γ-radiation polymerization, 23:7566
KAWAKAMI, Waichiro Effect of fluid motion on radiation-induced polymerization of ethylene in a tubular reactor, 25:46510
  Flow method study of the gamma-ray-induced polymerization of ethylene, 21:32208
  Influence of agitation on gas-phase ethylene polymerization induced by γ-rays, 22:4179
  Radiation polymerization of ethylene using carbon dioxide as reaction medium, 24:44055
  Radioinduced polymerization of ethylene, 22:21105
KAWAKAMI, Yutaka Choice of activable tracer for spraying agricultural insecticides by helicopter, 24:2163
  Choice of activable tracer for spraying agricultural insecticides by helicopter, 25:8426 (NSJ-tr-155)
KAWAKATSU, H. Optics of high-efficiency electron guns, 21:20765
KAWAKATSU, Hisazo Implantation of Al and Sb into Si targets, 24:28429
  Ion beam device for processing and penetration range study, 24:30133
  Quadrupole system for electron-beam curing apparatus, 24:26554
  Spherical aberration of electrostatic symmetrical quadrupole doublet, 24:26553
KAWAKATSU, Ichiro Cratering wear in WC—Co base cemented carbides, 23:20549
  Diffusion layers between carbon steels and cemented carbides containing tantalum or titanium carbide, 23:997
  Effects of C content on properties of WC—TiC—TaC—10 percent Co alloys, 22:4861
  Effects of carbon content on surface interaction between WC—10 percent Co cemented carbides and carbon steels, 22:19640
  Effects of grain size and carbon content on strength of WC—10 percent Co alloys, 23:32061
  Influences of additional elements on properties of high-Zr Cu—Zr alloys, 22:6987
  Observations on surface cracks and fracture surfaces of cemented carbides, 23:8203
  Properties of copper—high zirconium—high chromium alloys, 21:34908
  Properties of Cu high-Zr, high-Cr alloys, 22:6990
  Properties of high zirconium Cu—Zr—Cr alloys and their isothermal diagram of the Cu corner, 22:19570
  Properties of high Zr Cu—Zr alloys, 21:32893
  Properties of sintered WC—NbC-10 percent Co alloys, 22:17183
  Properties of sintered WC—TaC—10 percent Co alloys, 21:34958
  Relations between properties of WC—TiC—NbC—10 percent Co content, 22:43658
  Some properties of Cu—Cr—Hf alloys, 23:24902
KAWAKATSU, Kyuzo Electron gun with a plurality of the control electrodes, 22:9750
KAWAKATU, Ichiro Properties of sintered WC—TiC—10 percent (Co + Ni) alloys, 21:33005
KAWAKISHI, Shunro Effects of γ-irradiation on the enzyme relating to the development of characteristic odor of onions, 25:26620
  Radiation chemistry of halophenols in aqueous solution. I, 24:41376
  Radiation-induced phenylation of p-bromophenol in aqueous solution, 24:19021
KAWAKUBO, Tatsuyuki Electron spin resonance in Ti-doped VO_2, 24:24172
KAWAKUBO, Tetsuya Fluorescence change in irradiated terphenyl, 23:45339
  Initial calibration of KUR, 23:47276
KAWAMATA, Shuichiro Spectroscopic measurement of high-temperature plasmas. I, 22:5317
KAWAMATSU, Toshiharu Method for producing foamed polystyrene moldings, 23:2323
KAWAMIYA, Osamu Contribution of C-noninvariant γ interactions to lepton pair production, 21:40188 (NP-16949)
  Contribution of C-noninvariant γ interaction to lepton pair production, 22:17901
KAWAMO, Keishiro Present state of uranium enrichment, 24:33848
KAWAMORI, Asako X-ray irradiated crystals of Cu acetate monohydrate, 25:54610
KAWAMOTO, H. Annealing of lifetime damage in neutron-irradiated silicon, 24:28427
  Lifetime in neutron irradiated silicon: application to devices, 24:33980
KAWAMOTO, Jun-ichi Penetrameter sensitivity of color radiography, 23:6274
KAWAMOTO, Keizo Hot atom chemistry of phenylsulfur compounds, 23:43375
  Hot atom chemistry of phosphorus compounds. II, 23:256
  Hot atom chemistry of phosphorus compounds. III, 23:37991
  Recoil products of inorganic phosphorus oxyacids. I, 25:21074
KAWAMOTO, Sadahisa Children exposed to atomic bomb in utero in Nagasaki, 23:38746
  Development of children exposed in utero to atomic bombs, 22:8574
  Mental retardation in children exposed in utero to the atomic bombs in Hiroshima and Nagasaki, 22:10809
  Ophthalmologic status in children exposed to atomic bomb in-utero, 23:2881
  Ophthalmological studies on infants of atomic bomb survivor mothers in Nagasaki, 22:4655
KAWAMOTO, Tadao Two-dimensional burnup analysis of fuel assembly in a boiling water reactor, 25:18111
KAWAMURA, Arimichi Bioassay method for the evaluation of river water pollution, 24:31783
  Measurement of digestibility in fish using radio-chromic oxide, 24:31782
  Tritium labeling and metabolism of (2-(2-furyl)-3-(5-nitro-2-furyl)-acrylamide), 24:31781
KAWAMURA, Fumio Biological protection mechanism of radioprotectors on mammalian cells. V, 21:1781
  Biological protection mechanism of radioprotectors on mammalian cells. III, 21:1785
  Biological protection mechanisms of radioprotectors on mammalian cells. VI, 21:398
  Biological protection mechanisms of radioprotectors on mammalian cells. VII, 21:22623
  Biological protection of radioprotectors in mammalian cells. IX, 21:45694
  Biological protection of radioprotectors in mammalian cells. VIII, 21:45693
  Irradiation effects on the bound water of mammalian tissues, 24:2580
  Studies of the irradiation effects on cells. VI, 21:8947
KAWAMURA, Hiroshi Heat transfer and critical heat flux in transient boiling. I, 22:21276
  Non-hydrodynamic aspects of pool boiling burnout, 21:26054
KAWAMURA, Hisahito Preparation of /sup 113m/In generator, 23:7561
KAWAMURA, Jiro Radiation myelitis: case report, 21:6673
KAWAMURA, K. Annealing effects on pile-irradiated graphite, 22:8853
  Internal friction study of annealing processes in pile-irradiated graphite, 23:36273
KAWAMURA, Katsuyuki Radiation graft-polymerization method, 23:9452
KAWAMURA, Kazuo Spectrophotometric determination of Te in Fe and steel, 24:38728
KAWAMURA, Kiyoshi Annealing effects on the internal friction and the dynamic modulus of pile-irradiated graphite, 23:3163 (NSJ-tr-115)
  Electron—phonon interaction and superconductivity in non-magnetic dilute alloys, 22:41536
  Superconducting dilute alloy with paramagnetic impurities. I, 22:46051
KAWAMURA, M. Origin of moving striations in plasma. 22:41606
KAWAMURA, Mitsuhiro Measurement of β—γ directional correlation in ^{122}Sb and excited states in ^{122}Te, 23:23744
KAWAMURA, N. Photoprotons from Na, P, S, Ca, Mn, and Fe, 22:27076
  Pulse shape discrimination with a P-I-N solid state detector, 22:36135
KAWAMURA, Nobuaki (γ,α) reaction experiment, 25:59734
  Experiments on (γ,α) reaction, 24:20455
  Isospin effect in ^{31}P(γ,n) reaction, 25:59765
  Photoneutron spectra measured by time-of-flight method, 24:20304
  Photoneutron spectra of ^{31}P and ^{27}Al, 25:5648
  Photoproton spectra from natural sulphur, 23:15405
  Photoproton spectrum from ^{19}F, 23:8963
  Photoprotons from ^{23}Na, ^{31}P, ^{32}S, ^{40}Ca, ^{55}Mn, and ^{56}Fe, 22:53158
KAWAMURA, S. Cobalt-60 to cobalt ratios in Hiroshima and Nagasaki, 21:32673
  Estimation of air dose from atomic bombs in Hiroshima and Nagasaki, 21:14668
  Low-level beta-spectroscopy of solid samples by means of a coincidence-type scintillation spectrometer combined with a logarithmic amplifier, 21:16162
  Neutron activation analysis for mercury, 24:27020
KAWAMURA, Shoichi Adsorption behavior of ^{68}Ge and ^{68}Ga on alumina, 25:15755
  Comparative study on Zr oxide for preparation of /sup 113m/In generator, 25:26341
  Estimation of gamma-ray dose from neutron-induced radioactivity in Hiroshima and Nagasaki, 24:4247
  Ion-exchange adsorption of radionuclides by ferrocyanide molybdate, 24:9442
  Plutonium bioassay, 23:29494 (AEC-tr-7021)
KAWAMURA, Syohei Model of the reactor-containment vessel and reactor room with various systems for the first nuclear-powered ship, 24:2047
KAWAMURA, T. Anomalous electron heating in an adiabatic compression experiment, 22:9281
  Microinstabilities in a hot electron plasma, 23:32454
  Remark on 30 GeV jet showers, 21:5354
  Stochastic heating of an electron plasma in a magnetic mirror field, 24:30309
  Stochastic model of electron-cyclotron heating in a magnetic mirror, 25:58968
KAWAMURA, Takaichi Hydromagnetic motion in the geomagnetic tail, 25:30349 (IPPJ-103)
  Stochastic model of electron cyclotron heating in a magnetic mirror, 25:3055 (IPPJ-100)
KAWAMURA, Takashi Turbine generator for a nuclear power plant, 25:15816
KAWANA, Masao Body section scintigram using an anger camera, 24:31694
KAWANAMI, Hisashi Studies on the thyroid function test by means of whole body linear scanning, 23:4974 (NSJ-tr-120)
KAWANISHI, Masaharu Nanosecond pulsed electron accelerator, 25:53443
  Newly constructed hot caves, 24:31570
  Scintillation pulse shapes of anthracene single crystals. I, 24:16860
  Scintillation pulse shapes of anthracene single crystals. II, 24:25277
KAWANO, M. Convergence point for gamma-ray in a dielectric liquid ionization chamber, 24:44287
  Natural radioactivity in the atmosphere, 22:2233
  Radon-daughter ions and their relation to some electrical properties of the atmosphere, 21:6081
KAWANO, Minoru Constitution of terrestrial gamma radiation, 24:50462
  Evaluation of exposure due to terrestrial gamma-radiation by response matrix method, 24:48314
  Interaction between radioactive ions and condensation nuclei, 24:48184
  Ionization of air due to beta- and gamma-radiations. I, 24:27241
  Ionization of air due to beta- and gamma-radiations near ground. II, 24:27242
  Ionization of dielectric liquids by gamma-ray, 25:48520
  Leakage gamma-ray spectra around KUR, 25:8124
  Measurement of radon concentration, 24:26997
  Some properties of ionizing radiations and radioactive ions in the natural environment, 24:36416
  Vertical distribution of the intensity of ionization due to terrestrial gamma-radiation, 25:54790
KAWANO, Osamu Effects of neutron irradiation on ageing and precipitation phenomena in an aluminum—2.8 at. percent zinc—1.4 at. percent magnesium alloy, 25:22130
  Radiation damage studies using the low temperature irradiation facility. IV, 25:22127
KAWANO, Sachiko Time irradiation factors on lethal effects on mice, 23:41463
KAWANO, Satiko Irradiation effects on the bound water of mammalian tissues, 24:2580
KAWANO, Yoshiaki Effects of pH on /sup 113m/In distribution, 25:58043
KAWANO, Yukio Practice of radioactive decontamination, 21:8829
KAWANOO, Osamu Annealing of quenched-in vacancies in Al—Zn alloys, 24:53056 (ORNL-tr-2375)
KAWAOKA, Kenji Single-center calculations on electronically excited states of equilateral H_3^+ ion, 25:35851
KAWARA, Kiyoshi Structural characteristics and the exposure rates in the Japan's gamma field, 24:32003
KAWARABAYASHI, K. Structure of Regge trajectories in Veneziano model, 24:24353
  Veneziano's model and nonet scheme for 1^- and 2^+ mesons, 23:13091
KAWARABAYASHI, Ken Axial-vector current in the Veneziano model, 24:3631
  Chiral SU(3) x SU(3) and K—N scattering lengths, 23:25678
  Compton scattering of isovector photons with nucleons and algebra of fields, 22:46358
  Dualities in baryon—antibaryon scattering, 24:40383
  Duality, absence of exotic resonances, and $\Delta I = 1/2$ rule in nonleptonic decays, 23:42706
  Exact sum rules as consequences of low-energy theorems and unsubtracted dispersion relations, 21:9743
  Existence of exotic resonance and Veneziano model, 24:49360
  Formulations of chiral dynamics, 24:8701
  Mass of D and E mesons under asymptotic SU(3) x SU(3), 22:3495
  Mass relations for 1^- and 1^+ nonets based on Weinberg's sum rules, 22:46399
  Minimal electromagnetic currents and commutation relations, 21:9740
  Possible duality constraints on P-wave nonleptonic decays, 25:9744
  Situation and review of the theory of elementary particles: on the hadron dynamics, 24:49363
  Sum rules for magnetic moments from commutation relations between current densities, 21:902
KAWARADA, H. Low-energy excited levels of ^{56}Fe and ^{54}Cr, 24:10969
  SU_3 algebra in mixed shell space (op,od,ls), 22:27297
KAWARADA, Hideo SU_3 algebra in the mixed-shell spare (0p, 0d, 1s). I, 23:32967
KAWARASAKI, Y. Facility for resonance-fluorescence experiments using an electron linac, 25:25599
  Neutron time-of-flight spectrometer at JAERI Linac, 21:43226 (JAERI-1138)
  Nuclear photo-excitation of $T = {}^3/_2$ states in ^{23}Na and ^{31}P, 24:49788
  Nuclear photoexcitation of the 7368-keV level of ^{64}Zn, 22:50591
  Processing and analysis of neutron transmission data and considerations of the accuracy, 22:18104
KAWARASAKI, Yuuki Ground-state transition width of 7368-keV level of ^{64}Zn, 23:42886
  Time-of-flight measurement of photoneutrons from ^{16}O, ^{40}Ca, and ^{31}P, 22:7663
KAWARE, T. Electron-beam echo, 24:26154
KAWASAKI, Shoichiro Nonleptonic decays, 22:1422
KAWASAKI, Eiichi Enhanced diffusion and high-frequency oscillation in a plasma, 21:7222

  - High-frequency and low-frequency oscillations in a plasma in a magnetic field, 21:7223
- KAWASAKI, Hironao Development of underground water through fissures, 24:25120
  - Evaluation of ground water resources by tritium dating, 24:31479
- KAWASAKI, K. Dynamic critical fluctuation in superconductors above the transition point, 23:1326
  - Dynamical critical phenomena in liquid helium, 23:1327
  - Dynamical critical phenomena in superconductivity, 23:1328
  - First-sound attenuation near lambda transition liquid ^{4}He, 24:21741
  - Low-latitude DS component of geomagnetic storm field, 25:27619
  - Polar solar daily geomagnetic variations on exceptionally quiet days, 22:2928
  - Storm sudden commencements and polar magnetic substorms, 25:56026
- KAWASAKI, Koji Contact angles of gold and silver on a clean tungsten substrate, 25:13691
  - Dissociative chemisorption of carbon monoxide on hot tungsten, 22:36482
  - Mechanism of the argon instability of the getter ion pump, 21:41196
- KAWASAKI, M. Calibration technique and neutron exposure characteristics of JPDR in-core monitor system, 25:1873 (JAERI-Memo-4114)
  - Postoperation inspection on JPDR pressure vessel, 24:26697
  - Radiation-induced polymerization of urea canal complex. I, 21:14264
  - Review of safety aspects of nuclear power plants in Japan, 25:54143 (A/CONF.49/P-225)
  - Structure of forward peak of elastic proton—proton scattering, 24:28568
- KAWASAKI, Mamoru Baryon decays and Regge recurrence series, 24:13089
  - Crossed channel exchange and Regge asymptotic behaviour of scattering amplitudes, 25:53381
  - Energy dependence of the slope of the forward peak in elastic proton—proton scattering, 25:3417
  - Simple two-channel diffraction model for elastic scattering of hadrons at high energies, 25:22779
- KAWASAKI, Masayuki Embrittlement of pressure vessel steels irradiated in JPDR, 25:42906
  - Investigation of hair cracks in the JPDR pressure-vessel overlay cladding, and countermeasures, 22:30197
  - Neutron irradiation embrittlement of structural steels, 23:14377
- KAWASAKI, Michiko Process for recovering uranium as uranium dioxide, 25:15750
  - Separation of uranium from fission products, 25:29198
  - Uranium dioxide from uranyl nitrate—tri-n-butyl phosphate solution, 22:21754
- KAWASAKI, Minoru Embrittlement of pressure vessel steels irradiated in JPDR, 25:42906
- KAWASAKI, Mitsuo Chromosome aberrations in leucocytes, 22:51533
- KAWASAKI, S. Behavior of He gas bubbles in neutron-irradiated Be, 24:14855
  - Behaviour of boron in stainless steel detected by fission track etching method and effect of radiation on tensile properties, 25:29913
  - Diffusion of xenon in copper, 21:24754
  - Effect of grain-boundary migration on the xenon distribution in aluminium, 22:31353
  - Instabilities and cyclotron wave excitation in a hot electron plasma, 23:46494 (CEA-CONF-1309)
  - Measurement of the plasma current distribution in a tokamak device with alpha-particles injected transverse or parallel to the toroidal axis, 25:58980 (JAERI-Memo-4531)
  - Plasma flow on BSG-II device, 24:6529
  - Radiation-related leukemia in Hiroshima and Nagasaki 1946—1964. II, 21:28581
  - Thermal neutron television system using a high yield neutron generator, 22:35984
  - Thermalization of kinetic energy of a plasma flow, 23:14779
  - Theta pinch without the interaction between plasma and neutrals at the ends, 22:1182 (LA-3770, Paper A8)
  - Trochoidal E x B analyzer for hot electron plasma, 23:51704 (CEA-CONF-1391)
- KAWASAKI, Satoru Development of a device for measuring circumferential mechanical properties of cladding tubes, 25:8883
  - Evaluation of stainless steel pipe for cladding material of fast reactor, 25:42846 (JAERI-13578)
  - Measurement of diffusion of gold in copper by elastic scattering of deuteron, 21:34902
- KAWASAKI, Shinkichi Anomalous time variation in cosmic-ray neutron intensity caused by atmospheric pressure deviation due to high wind, 21:27025
  - Diurnal anisotropy based on directional measurements of cosmic ray mesons, 23:3311
  - Diurnal anisotropy based on directional measurements of cosmic ray mesons, 23:8486
  - Super neutron monitor for ground level continuous observation, 25:383
  - Time variations in the soft component of cosmic rays, 23:48770
- KAWASAKI, Shinsuke Ion source for a particle accelerator, 22:9748
  - Ion source, 22:9754
  - Neutron radiography in Toshiba, 23:33353
  - Plasma density dependence of RF ion sources, 21:11401
  - Supervisory device for the ion source of an accelerator, 22:9749
- KAWASAKI, Sho Polycythemia vera terminating in acute myelogenous leukemia with fibrosis of bone marrow, 22:51840
- KAWASAKI, Shoichiro Phenomenological approach to nonleptonic decays. II, 22:41781
  - Possible scheme for J⁺J-type weak interaction picture, 22:41787
- KAWASAKI, Shoji Effect of glutathione on the protection against radiation, 25:11098
  - Effects of some drugs on recovery from radiation damage, 23:31825
  - Effects of x-irradiation on mouse liver mitochondria. I, 23:47966
- KAWASAKI, Sunao Diffusion of multipole magnetic fields through a conductive wall of a plasma container, 25:14352 (IPPJ-T-3)
  - Electron beam extraction from INS AG synchrotron. II, 21:15453
  - Electron beam extraction from INS AG synchrotron. I, 21:15452
  - Experience in large capacity high voltage switches for BSG project, 25:33316 (IPPJ-DT-19)
  - High speed electro-magnetic valve, 25:48690 (IPPJ-DT-17)
  - Simple vacuum crowbaring switch up to 1 MA, 24:12850
  - Use of comformal mapping to improve uniformity of electric field, 25:12045 (IPPJ-T-4)
- KAWASAKI, T. Conference on fracture, Sendai, 9/65. I, 21:14843
  - Conference on fracture, Sendai, 9/65. III, 21:14846
  - Conference on fracture, Sendai, 9/65. II, 21:14844
- KAWASAKI, Tatuo Self-consistent approach to spin systems, 23:39564
- KAWASAKI, Toshio Effect of heavy particles from ^{10}B(n,α)^{7}Li and ^{6}Li(n,α)^{3}H reactions on the growth of barley seedlings, 22:12943
- KAWASAKI, Zenshiro Current algebra and weak form factors, 25:17456
- KAWASE, Akira Effect of partial marrow shielding on hematopoietic recovery, 23:43861
  - Effect of partial marrow shielding on hematopoietic recovery in heavily irradiated mice, 25:58124
  - Late somatic effects of diverse radiations, 23:43862
  - Synergistic action of radiation and virus in induction of leukemia, 24:34681
- KAWASE, Etsuro Protective effect of glutathione against x radiation, 22:49464
- KAWASE, Kaoru Gamma induced copolymerization of styrene on cellulose acetate, 21:17685
  - Graft copolymerization of vinyl chloride and vinylidene chloride, 24:9406
  - Graft copolymerizations of gaseous vinyl chloride and vinylidene chloride on preirradiated polypropylene, 21:19660
  - Graft copolymerizations of gaseous vinyl chloride and vinylidene chloride on preirradiated polypropylene, 23:11566
  - γ-ray and ultraviolet graft copolymerization of maleimide by vapor-phase method, 24:29332
  - Induced-γ-ray polymerization of some vinyl-substituted silanes, 22:12379
  - Radiation graft copolymerization of acrylamide on polyolefins, 24:22679
  - Radiation-induced gas-phase graft copolymerization of alkyl methacrylates, 23:6173
  - Radiation-induced graft copolymerization of alkyl methacrylates onto polypropylene, 22:25427
  - Thermal properties of trioxane-1,3-dioxolane copolymers prepared by solid state post-polymerization, 25:31965
  - Vapor-phase graft copolymerization of vinyl chloride and vinylidene chloride on polypropylene, 22:42754
  - Vapor-phase radiation graft copolymerization using solid monomers, 22:27821
- KAWASE, Y. A multicounter goniometer for gamma-gamma angular correlation measurements, 21:32408
  - Excited states and transitions in ^{199}Au, 24:3930
  - Excited states in ^{108}Pd, 25:25743
  - Gamma transition studies of ^{125}Sb, 25:31388
  - Level structure of ^{88}Sr, 25:3621
  - Multicounter goniometer for gamma—gamma angular correlation measurements, 24:4448
- KAWASE, Yoichi Decay of /sup 44m/Sc and ^{52}V, 25:38945
  - Efficiency curves of Ge(Li) detectors and internal conversion coefficient spectrometer, 24:36597 (KURRI-TR-71)
  - Excited states of ^{52}Cr and ground state spin of ^{52}V in the decay of ^{52}V, 25:28250
  - Gamma rays in decay of ^{105}Cd, 23:49400
  - Gamma—gamma angular correlation measurements, 23:47745
  - Gamma—gamma angular correlations in ^{51}Ti and ^{64}Cu, 24:13323
  - Perturbed angular correlations in ^{166}Ho, 23:49399
  - Two-phonon states in ^{104}Pd, 25:28382
- KAWASHIMA, Chihiro High-temperature materials and the refractory treatment, 21:9224
- KAWASHIMA, Hideo Device for flowing a gas into a particle accelerator, 22:11862
- KAWASHIMA, Hiroaki Bubble growth rate in transient boiling, 22:22873
  - Incipient boiling on exponentially heated surfaces, 22:22874
- KAWASHIMA, Hiroshi Studies of the alkaline earth complexes in various solutions. V, 24:44089
- KAWASHIMA, K. Energy flux of 100-300 kVp x rays, 21:14501 (UCRL-Trans-10081)
  - Gamma radiation for elimination of Salmonella from frozen meat, 25:6823
  - Paired ionization chambers for measurement of neutrons and gamma rays, 25:26538
  - Potato sprout inhibition by ionizing radiation. II, 24:32335
- KAWASHIMA, Kanau Evaluation on group constant of plutonium, 25:51226 (JAERI-13507)
  - Iterative method of multi-pole source-sink calculation, 21:17482
  - Iterative method of multi-pole source-sink calculation for finite moderator, 21:33868
- KAWASHIMA, Katsuhiko New temperature compensating method for logarithmic amplifier, 25:39781
  - Nuclear instrumentation system for PWR, 22:42480
- KAWASHIMA, Katsuhiro Absolute measurement of gamma ray dose of ^{60}Co, 23:705
  - Gamma-ray dose measurements with fluoroglass dosimeter. I, 23:33721
- KAWASHIMA, Kiichi Out-of-pile test of Magnox fuel elements constructed in trial, 23:15571
- KAWASHIMA, Kogi Dosimetry of accelerated electron. I, 24:25310
- KAWASHIMA, Koji Radiation disinfestation of cereal insects. II, 25:21822
  - Radiation treatment of citrus fruits, 22:23702
  - Radiation treatment of rice. II, 24:29902
- KAWASHIMA, M. Properties of irradiated polyethylene at the melting point, 22:27783
- KAWASHIMA, Maumi Properties of irradiated polyethylene near the melting point, 21:39707
- KAWASHIMA, Nobuki Analysis of fluctuations in magnetic field obtained by IMP-2, 23:3219 (N-68-29178)
  - Characteristics of intruding plasma in a simulated magnetosphere, 25:24973
  - Experimental study of forces on a body in a magnetized plasma stream, 22:9335
  - Fluctuations in the interplanetary magnetic field, 23:10379
  - Interaction of solar plasma stream with geomagnetic field, 24:17752
  - Levitation of current carrying hoops of quadrupole magnetic field, 23:42351
  - Levitation of current carrying hoops of quadrupole magnetic field, 23:48938
  - Simulation experiments on space plasma physics, 25:55976
- KAWASHIMA, Nobuyoshi Fundamental studies on ion exchange separation of isotopes. IX, 23:13826 (NSJ-tr-144)
  - Separation factor of U isotopes, 21:40982
  - Uranium(IV)-(VI) electron exchange reactions in anion exchange resin, tri-n-octyl amine and tri-butyl phosphate, 22:27736
- KAWASHIMA, T. Barium-137m generator, 23:2530
  - Effects of ac field on depinning current density in Type-II superconductors, 25:52752
  - Separation of carrier-free ^{90}Y from ^{90}Sr by cation exchange in methanol—ammonium acetate medium, 24:2278
- KAWASHIMA, Tatsuro Preparation of /sup 113m/In generator, 23:7561
- KAWASHIMA, Toshi Determination of impurities in high-purity niobium and tantalum by radioactivation analysis, 21:12298
- KAWASHIMA, Toshio Determination of nozzle performance of hydraulic mining device, 24:11384 (ORNL-tr-2245)
- KAWASHIMA, Yoshimitsu Alkaline earth complexes in various solutions. IV, 23:15859
- KAWASUMI, Y. Expansion of a laser-produced plasma into a vacuum, 25:19703
  - Expansion of a laser-produced plasma into a vacuum, 25:25130
  - Plasma emission from titanium rail-type gun, 25:19726
- KAWATA, S. Effects of modification of the components of air on the operation of spark counters, 23:11855
  - Effects of surrounding gases on the operation of multiple-wire spark counters, 24:11801
- KAWATA, Seiichi Combined treatment of cancer of the cervical esophagus by bleomycin and irradiation, 24:7970
- KAWATANI, Toyohiko Destructive effect of vapor heating and γ-ray radiation on germination of Papaver somniferum L. and Cannabis sativa L. I, 23:20430
  - Effect of vapor heating and γ-ray radiation on germination of Papaver somniferus L. Cannabis sativa L. II, 23:50939
  - Effects of heating and gamma radiation on germination of Papaver somniferum and Cannabis sativa L, 23:41502
  - Influence of γ-ray radiation on the germination of Ephedra altissima Desf. and Bupleurum falcatum L, 23:20429
- KAWATE, Shohei Submerged kojic acid fermentation by γ-irradiated strain of Aspergillus oryzae, 23:7988
- KAWATI, Syozi Unitarity, factorization theorem and removal of level degeneracy in dual resonance model, 25:25523 (OU-LNS-71-1)
- KAWATRA, M. P. Class of potentials for the description of the interaction between two atoms, 24:8327
  - Critical behavior of magnetic susceptibility of $GdNi_2$, 25:40802
  - Effect of molecular field on electrical resistivity near a magnetic transition, 23:39575
  - Quantized vortices in an imperfect Bose gas, 21:2160
  - Resistivity near magnetic transition of rare-earth Laves-phase compounds, 24:42823
- KAWAZOE, Yutaka Hydrogen exchange. VI, 23:40623
  - Studies of H exchange. VIII, 22:37727
  - Studies on H exchange. III, 21:23868
- KAWCHUCK, R. PDP-9 system at Univ. of Manitoba cyclotron, 22:47414
- KAWCZAK, Jerzy Decontamination of skin contaminated with radionuclides, 25:52052
- KAWIN, B. Digital radioisotopic scan recorder, 22:402
- KAWIN, Bergene Digital interface for off-line scintiscan data plots, 22:47436
  - Figure of counting merit for comparing sample counts, 21:26078
- KAWY, A. Abdel Measurement of total neutron cross section of tantalum in energy range 0.002 to 0.2 eV using time-of-flight spectrometer, 21:31797
- KAY, A. E. Conference on plutonium, London, 11/65, 21:32820
- KAY, C. Experimental studies on the adsorption of molecular iodine on soot, 21:23809 (UCID-15109)
- KAY, Chester Scintillation scanning in pediatrics, 21:12904
  - Scintillation scanning review, 23:38636

KAY, Chester J. Renal concentration of ^{131}I—Rose Bengal, 23:9994
Renal excretion of radioiodinated rose bengal, 22:51807
Role of scintillation scanning in clinical medicine. I, 21:22551
Role of scintillation scanning in clinical medicine. III, 21:22571
Role of scintillation scanning in clinical medicine. II, 21:22572
KAY, D. B. Production of H atoms by dissociation of fast H_2^+ and H_3^+ projectiles, 22:15356
Some total electron-capture cross sections for H_2^+ and H_3^+ impact on Ne, and H_3^+ on Ar, 22:50012
KAY, D. R. Effect of carbon additions on shear modulus of tungsten—3 percent rhenium alloy, 22:687 (AD-645762)
KAY, Douglas H. Antiradiation compounds. XII, 23:2858
Antiradiation compounds. IX, 22:28579
KAY, E. Impact activated sorption as a means for gas incorporation in sputtered thin films, 21:34441
KAY, Edna Cross-linking and characterization of phenyl containing silicone rubbers, 22:14516 (NP-17265)
KAY, Eric Gas incorporation into sputtered films, 21:43812
Plasma diagnostics of an rf-sputtering glow discharge, 25:38404
KAY, Ernest Near-uv absorption bands of tryptophan, 25:20899 (UCLA-12-810)
KAY, H. E. M. Chromosome studies in patients with polycythaemia vera after treatment with ^{32}P, 24:34246
Chromosomes in polycythaemia vera, 21:16321
KAY, Herbert Hydrogen reduction of molybdenite. I, 23:22489
Hydrogen reduction of molybdic oxide, 23:22491
KAY, J. Long term operations of in-pile thermionic converters, 22:41399 (GA-8900)
Marine nuclear reactors, 22:3878 (TRG-Report-1500)
KAY, J. M. E. Skinner valve leak tests, 24:39103 (DP-Report-62)
Skinner valve leak tests, 24:39104 (DP-Report-106)
KAY, Jack G. Prog. rpt. on chemical effects of nuclear transformations, flash heating or flash photolysis, 2/1/67—10/31/67, 22:8038 (COO-1684-2)
Prog. rpt. on chemical effects of nuclear transformations, flash heating or flash photolysis, annual, 2—12/68, 23:11376 (COO-1684-6)
Prog. rpt. on chemical effects of nuclear transformations, flash heating, or flash photolysis, final, 1—9/69, 24:18819 (COO-1684-11)
KAY, Kenneth R. The photo-ophthalmic threshold for the rabbit, 24:23363
KAY, Kingsley Look at the future of hazardous contamination of the circumpolar environment, 23:29478
KAY, L. Model for yield of excited H atoms as function of gas target thickness, 21:29016
Resolvance with foil-excited beam source and scanning monochromator, 25:15976
KAY, M. Use of tritiated water, 4-aminoantipyrene, and N-acetyl-4-aminoantipyrene for the measurement of body water in living pigs, 21:14169
KAY, M. I. FORTRAN program for calculation of neutron diffraction magnetic intensities, 21:38161 (PRNC-78)
Prog. rpt. on neutron diffraction program, 4/67, 21:25820 (PRNC-94)
Prog. rpt. on neutron diffraction program, annual, 4/70, 24:22551 (PRNC-137)
Prog. rpt. on neutron diffraction, 4/68, 22:50223 (PRNC-115)
Prog. rpt. on neutron diffraction, annual, 5/65—4/66, 22:29545 (PRNC-84)
KAY, P. C. M. Alarm analysis and indication at Oldbury Nuclear Power Station, 21:17504
Alarm analysis and indication at Oldbury nuclear power station, 22:48679
KAY, R. B. Exchange excitation in He, 25:30285
Excitation transfer in helium, 21:16821
KAY, R. E. Buckling and loss of coolant experiments, 21:35666 (AECL-2691)
CANDU-BLW experiments in ZED-2. I, 21:30246 (AECL-2667)
CANDU-BLW experiments in ZED-2. II, 21:32003 (AECL-2689)
Integral neutron spectrum measurements in heavy water lattices, 21:38655 (AECL-2707)
Lattice measurements with 7-rod clusters of natural UC in heavy water moderator. II, 21:23709 (AECL-2651)
Zone control absorber experiments in ZED-2, 21:35539 (AECL-2694)
KAY, R. L. Dielectric constant of water and heavy water between 0 and 40°, 21:14206
KAY, Robert E. Effect of x irradiation on glucose metabolism in rat cerebral cortex slices, 22:448
Photoelectric responses of lipid membranes, 24:590
KAY, V. B. Fabrication of Ti, Ta, and Zr for chemical plant, 22:38526
KAYA, Akira Oxidation and reduction of Pu(III), (IV), and (VI), 25:48506
Purification of plutonium by anion exchange in nitric acid, 21:36101
KAYA, Kazuo Radiorectitis and rectostenosis, 24:2825
KAYAMA, Nobutaro Measurements of melting conditions in cupola by means of γ-ray penetration, 22:8262
KAYAMA, Tokuichi Clebsch—Gordan coefficients for SU(3), 22:32183
Normalization of solid harmonics for U(3), 22:32182
KAYAMI, Tadashi Spectrophotometric determination of small amounts of phosphorus in iron and steel by solvent extraction, 22:30481
KAYANDER, O. D. Superconducting rotation ellipsoid in an uniform magnetic field, 25:1112
KAYAS, G. Interactions pp $\rightarrow$ pp$\pi^+\pi^-$ at 8.1 GeV/c, 22:24535
Production of strange particles from π^-p interactions at 2.75 GeV/c, 21:15271

KAYE, G. Fast neutron time-of-flight spectrometer, 21:17878
Spectroscopic factors derived from ^{16}O(d,n)^{17}F measurements, 23:23630
Tables of coefficients for the analysis of triple angular correlations of gamma-rays from aligned nuclei, 23:21388
KAYE, G. W. C. Tables of physical and chemical constants, 21:11460
KAYE, Geoffrey Decay of K = 3 rotational band on ^{172}Yb based on 1172.3 keV state, 22:16050
Excited states of ^{171}Yb fed in the electron capture decay of ^{171}Lu, 21:4308
KAYE, George E. Statistical approach to health physics equipment evaluation, 22:21317 (SC-TM-67-3036)
KAYE, J. H. Background reductions obtained with sodium iodide detectors by using cosmic-ray shielding, 22:23259 (BNWL-SA-1516)
Measurement of radionuclides in Apollo 11, 24:31252
Preliminary processing of multiplexed two-parameter gamma-spectrometer data, 25:26501
Primordial and cosmogenic radionuclides in lunar surface materials, 23:34990
Radionuclide composition of Allende meteorite, 24:4867
Sodium iodide anticoincidence shielded multidimensional gamma-ray spectrometer for low-activity samples, 24:2485
KAYE, James H. Cosmogenic and primordial radionuclides in lunar samples, 24:20724
Radiochemistry of titanium, 25:21076 (NAS-NS-3034(Rev.))
KAYE, R. A. Handling of radioactive materials in motor carrier service, 24:39185 (WASH-1147, pp 33-8)
KAYE, S. V. Analysis of specific-activity concept as related to environmental concentration of radionuclides, 22:10750
Dose-estimation studies related to construction of Atlantic—Pacific interoceanic canal with nuclear explosives: Phase I, 21:26417 (ORNL-4101)
Ecological considerations in reactor power plant siting, 24:45899 (CONF-700810-1)
EXREM and INREM computer codes for estimating radiation doses to populations from construction of sea-level canal with nuclear explosives, 22:51568 (K-1752)
Peaceful uses of nuclear explosives, 24:39460 (ORNL-4446, pp 26-39)
Predicting radiation dose equivalents for populations. I, 23:29510
Radiotungsten retention by two insect species, 22:30998
Specific activity concept applied to aquatic ecosystems, 25:32376
Systems ecology, 24:39466 (ORNL-4446, pp 153-62)
Understanding the dynamic behavior of radionuclides released to the environment and implications, 25:37742 (A/CONF.49/P-85)
KAYE, Stephen V. Calibration of ^{90}Sr + ^{90}Y plaques for irradiating insects, 21:39403 (ORNL-TM-1921)
Coupled compartment model for radionuclide transfer in a tropical environment, 23:17985 (CONF-670503-, pp 731-9)
Distribution and retention of radiotungsten in rats, 23:4891
Dose-estimation studies related to proposed construction of Atlantic—Pacific Interoceanic Canal with nuclear explosives: Phase III, 25:11055 (ORNL-4579)
Estimating population exposures from Plowshare applications, 24:23196 (SWRHL-82, pp 550-84)
Predicting radiation dose equivalents for populations. II, 23:33718
Prog. rpt. on estimating external dose in feasibility evaluations of Plowshare events, 4—6/68, 22:43308 (ORNL-TM-2249)
Prog. rpt. on estimating internal dose in feasibility evaluations of Plowshare events, 10/67—4/68, 22:33814 (ORNL-TM-2229)
KAYE, Stephen Vincent Distribution and retention of radiotungsten in rats, 22:38212
KAYFETZ, L. L. Acute effects of high-energy protons and alpha particles in mice, 22:12929
KAYKATY, Gabriel N. Analysis and selection of design conditions for a radioisotope brayton-cycle space powerplant, 23:2517 (N-68-25829)
KAY-KONG, Wan Particle motion and interaction in nonlinear field theories, 22:34877
KAYLOR, J. D. I. Irradiated-pasteurized fishery products. II. Operational guide for MPDI, 22:17066
Prog. rpt. on irradiated-pasteurized fishery products, annual, 10/65—9/66, 22:210 (TID-24016)
Prog. rpt. on operations of marine products development irradiator, annual, 10/66—9/67, 24:22849 (TID-25211)
Radiation pasteurization of fishery products, 25:24496
Status of research on irradiated fish and shellfish, 24:2861
KAYLOR, John D. Commercial feasibility of irradiating haddock and cod fillets, 24:23418
Commercial feasibility of irradiating haddock and cod fillets. II. Temperature patterns during shipments of fresh fillets by truck and by rail, 24:48776
Fresh shrimp shipping studies and operations of the MPDI, 23:18148 (CONF-681006-, pp 11-18)
Industry interest in food irradiation, 21:30944 (CONF-670202, pp 67-9)
Prog. rpt. on marine products development irradiator program: irradiated fresh shrimp shipping studies, annual, 10/67—9/68, 25:27138 (TID-25543)
KAYNARSKII, I. S. Hot pressing of corundum and Zr dioxide, 24:2907
KAYSER, B. What causes dips in backward pion—nucleon scattering, 25:33746
KAYSER, Boris Baryonic fixed poles in meson—baryon scattering, 25:17510
Finite-energy sum rules and πN scattering, 24:24370
Finite-energy sum rules for πN scattering at u = (1236 MeV)^2, 22:52989
Perturbations, dispersion relations, and n-p mass difference, 22:15732

KAYSER, Boris J. Extinct ghosts in potential theory, 21:9860
KAYSER, D. C. Measurements by the Minnesota 16-inch mass spectrometer, 23:21252
KAYSER, F. X. Calcium—ytterbium system, 23:3080
Phase transformation near room temperature in ytterbium, 23:22539
Polymorphic transformation in ytterbium, 24:46751
KAYSER, Frank X. Internal oxidation and oxides of a vanadium—15 titanium—7.5 chromium alloy, 24:27727 (IS-2151)
KAYSER, H. Fundamentals of arc and plasma spraying in protective atmosphere chambers, 24:10021
KAYSER, K. Electronically-controlled pneumatic tube system for activation analysis at a particle accelerator, 25:20184
Generation of short pulses of bremsstrahlung at 140-MeV Braunschweig synchrotron, 22:39523
Reactions ^{12}C(γ,n), ^{12}C(γ,2n), ^{39}K(γ,n), and ^{40}Ca(γ,np) up to the meson threshold, 25:5578
KAYSSER, B. Activation analysis for determination of traces of magnesium and manganese in biological matrices, 25:34552
KAYURIN, Yu. P. Accumulation of gamma radiation of 1.25 MeV in laminar media, 21:21040
KAYUROV, B. M. Possibility of use of chelating agents in primary circuit of water-cooled nuclear reactor with two circuits, 23:40656
KAYUSHIN, L. P. Effect of modifying agents on free radicals of irradiated enzymes in connexion with their radiation inactivation. I, 22:33860
Electron spin resonance of triplet states and free radicals appearing in porphyrins, aromatic amino acids and proteins under the effect of light, 21:17968
Electron structure of radicals of γ-irradiated glycine and tyrosine, 23:26296
EPR spectra of γ-irradiated lysozyme chloride monocrystal, 25:15670
EPR spectra of γ-irradiated lysozyme chloride monocrystal, 25:23611 (JPRS-52467, pp 6-11)
Free radicals in lipids of irradiated rats, 21:34609
Investigation of paramagnetic centers of irradiated proteins, 25:42275
Investigation of the structure of paramagnetic centers and their photochemical transformations in γ-irradiated monocrystals of cysteine hydrochloride, 24:41371
Paramagnetic centers and photochemical conversions in L-tyrosine hydrochloride irradiated at 77°K, 25:15654
Participation of the triplet excited state in the photo reactions of the porphyrins at 77°K, 21:32582
Photochemical conversions of paramagnetic centres in γ-irradiated monocrystal of l-cystine dihydrochloride, 25:4091
Photoconversions in γ-irradiated glycine monocrystals, 23:33229
Structure of paramagnetic centres in monocrystals of γ-irradiated L-cystine dihydrochloride on exposure to light, 23:12978
KAZACHENKO, D. V. Thorium dihydroxydimandelate, 24:44000
Thorium glycolates, 21:19608
Thorium nitrate reactions with o-phthalic acid, 21:19607
KAZACHENKOV, Yu. N. Diffusion of neutrons in a polarizing medium, 21:33860 (AEC-tr-6719, pp 29-43)
Spectral-resonance analysis of neutron moderation, 22:44999
KAZACHENOK, V. I. Pressing characteristics of the refractory metals Ta and Nb, 25:22037
KAZACHEVSKAYA, T. B. Relation of electron concentration at heights of 100 and 110 km to geomagnetic field disturbance, 21:39924
KAZACHEVSKAYA, T. V. Diurnal variations of electron concentration and the change in ionospheric temperature at heights of 160 to 200 km, 22:34412
Measurement of the energy of soft electrons in the upper atmosphere on December 21, 1966, 25:9345
Measurement of the total energy of corpuscular flux at 200 to 500 km elevation, 22:2919
Seasonal anomaly of the F2 layer and variation in the composition of the atmosphere, 22:38935
Soft-electron energy flux in upper atmosphere during night, 24:30224
KAZACHEVSKII, I. V. Cross sections of (n,p) and (n,α) reactions on Cu, Zn, Ga, and Ge isotopes with 14.8-MeV neutrons, 21:33942
Decay of ^{44}K and ^{44}Sc, 24:38191
Decay of isomers of ^{61}Co, 23:13238
Iron isotope ^{61}Fe, 21:21507
Plutonium-239 in nature, 21:34335
KAZACHKOV, M. P. Double ionization mechanism, 23:1223
KAZACHKOV, V. I. Certain problems of optimal control of nuclear reactors, 21:31973
Control and protection system of a nuclear reactor, 21:31980
Differentiating amplifier in the control system of a nuclear reactor, 21:31982
Generator of a series of pulses with exponentially increasing frequency, 23:33557
Logarithmic amplifier in the control system of a nuclear reactor, 21:31981
KAZACHKOV, Yu. A. Effect of method of automatic regulation of conversion apparatus on operation of Faraday sectioned MHD generators, 24:47075
Estimate of stationary regime of Faraday segmented MHD generator in non-rated input plasma parameters, 25:19540
Unsteady subsonic flow of conducting gas in crossed electric and magnetic fields, 22:38862
KAZACHKOVSKII, O. D. Accumulation of plutonium for the development of fast reactors, 25:23301
Assembly of fuel elements containing Pu dioxide fuel in BR-5 reactor, 22:37527 (ANL-Trans-609)
Atomic power plant BN-350, 21:21752 (CEA-tr-R-1538)
Atomic research center at the birthplace of V. I. Lenin, 24:43821

Capture of neutrons by Rh, Ta, and Au, 25:28437
Determining the price of plutonium used as a nuclear fuel, 21:44863 (JPRS-42155)
Development of atomic power plants with fast breeder reactors in the soviet union, 23:13370 (JPRS-46747, pp 1-13)
Development of fast reactors in USSR, 23:15612
Efficiency criteria for fast neutron nuclear power stations, 23:31176
Efficiency criteria of fast neutron atomic power stations, 23:52371 (JPRS-48331, pp 426-37)
Efficiency criteria of fast power reactors, 22:39785 (SRARI-P-4)
Eight years operation of the BR-5 reactor, 23:52417
Experience in fast reactor operation and design in USSR, 25:54136 (A/CONF.49/P-750)
Experience of construction and startup of the BOR-60 reactor, 25:34322 (JPRS-53069, pp 139-46)
Experience with the building and the startup of the bor-60 reactor, 25:48278
Fast power reactor optimization by base point method, 23:49551
Formation of structure of fuel element core of metallic uranium in process of irradiation, 25:52406 (JPRS-53800, pp 245-51)
Investigation of PuO_2 fuel element assembly of BR-5 reactor, 22:35615
Large fast plutonium breeders with non-uranium plutonium solvents, 21:2880
Oxide fuel for fast reactors, 23:52351 (JPRS-48331, pp 481-94)
Problem of selecting the parameters of a large fast reactor, 25:34385 (JPRS-53069, pp 156-65)
Problems arising in the selection of the parameters of a large fast reactor, 25:48239
Research center of nuclear reactors, 22:7829
Results of eight years of operation of BR-5 reactor, 23:11269 (AEC-tr-6976)
Some economic aspects of the fast reactor fuel cycle, 24:33351 (SRARI-P-11)
Study of the possibility of using thorium in fast power reactors, 21:14033
Value of Pu as nuclear fuel, 21:44870
KAZAK, B. N. Field pulsations at magnetically conjugate points, 22:34480
Latitudinal dependence of period and amplitude of Pc3-4 pulsations, 24:39984
Micropulsations of the Pi1 type at magnetically conjugate points, 22:34479
Pulsating auroras at conjugate points, 25:2999
KAZAKEVICH, A. T. Effect of temperature gradient on distribution of H in Zr, 22:6991
Effects of temperature gradient on the distribution of hydrogen in zirconium, 21:43562
Temperature gradient effect on distribution of H in Zr, 21:1893 (BNL-tr-101)
KAZAKEVICH, G. M. Scintillation counters based on the FEU-49 photomultiplier with pulsed power supply, 25:48911
KAZAKEVICH, O. Ya. Calculation of temperature field in channel wall of MHD-generator with section electrodes employing EGDA-9/60 integrator, 21:35060
Experiments with MHD-generator model with Hall effect and sectional electrodes, 21:43857
Volt—ampere characteristics of metallic electrodes in the ionized gas flow, 22:31864
KAZAKHOV, V. A. Influence of original state of molybdenum on radiation hardening at high temperatures, 25:52400 (JPRS-53800, pp 164-75)
KAZAKOV, A. A. Single-ion anisotropy by indirect exchange interactions in rare-earth metals, 24:42829
KAZAKOV, A. E. Electron heating in interaction between ultra-short intense laser pulses and matter, 25:14279
Generation of electron—positron pairs by focusing laser radiation in a dense plasma, 25:17153
KAZAKOV, E. V. Synthesis of inorganic ionites with high selective capacity, 21:28039
KAZAKOV, G. A. Mass spectrometric determination of calcium isotope variations, 22:14465
KAZAKOV, K. V. High-temperature electric insulators and ceramics, 23:48545
KAZAKOV, V. K. High-temperature materials with silicon nitride and alumina and magnesia base, 22:4875
KAZAKOV, V. P. Chemiluminescence of some reactions in concentrated sulfuric acid, 21:10342
KAZAKOV, Yu. B. Stabilization of potential oscillations of plasma in a Q machine, 23:36712
KAZAKOVA, E. M. Infrared spectroscopy studies of the rate of hydrogen isotopic exchange between alcohol and mercaptan molecules, 22:33305
KAZAKOVA, G. V. Influence of Cr and Mo on electrochemical and corrosion resistance of Ni—Cr—Mo alloys, 25:29777
KAZAKOVA, L. Ya. Optimum parameters of ^{238}U neutron optical potential, 25:28403
KAZAKOVA, T. A. Determination of ^{137}Cs in food products, 25:23525
Determination of ^{137}Cs in human bone tissue, 22:2504 (NP-16514)
Determining the ^{90}Sr content of bones, 25:39794 (AEC-tr-7232, pp 104-11)
Long-life fission products in water of Moscow piped water supply, 21:30819
KAZAKS, P. A. Operator reduction of three-body scattering equations, 24:33063
Unified reaction formulation with two particles in the continuum, 24:40715
KAZAKS, Peter A. Operator reduction of three-body scattering equations, 23:1706 (UCD-CNL-101)
Spurious solutions of three-particle equations, 24:8950
KAZAKS, Peteris Alexander Operator reduction of three-body scattering equations, 23:46858
KAZAN, J. M. FFTF control rod drive mechanism continuation study, 24:13605 (WARD-3977-2)
KAZAN, Yu. Theory of channelling effect. I, 24:38301 (IAE-1878)
KAZAN, Yu. M. Determination of electron energy distribution in plasma in presence of oscillations, 24:10513
KAZANAS, N. Effect of γ irradiation on microflora of freshwater fish. III, 22:34003
Effect of γ irradiation on the microflora of freshwater fish. II, 21:14785
Prog. rpt. on irradiation preservation of fresh-water fish and inland fruits and vegetables, final, 8/66, 21:6739 (COO-1283-40)
Prog. rpt. on irradiation preservation of freshwater fish, annual, 4/15/66—4/14/67, 23:12256 (TID-24776)
KAZANAS, Nuria Proteolytic activity of microorganisms from fish, 22:23698
KAZANJIAN, A. R. Radiolysis of HNO_3 solutions: LET effects, 25:2284
Radiolysis of liquid 1,1,2-trichlorotrifluoroethane, 25:41870
KAZANJIAN, Armen R. Radiation chemistry of materials used in plutonium processing, 23:47466 (RFP-1376)
Radiation chemistry of nitric acid solutions, 23:26269 (RFP-1299)
Radiation-induced oxidation of trichloroethylene, 25:29131
Radiolysis of disopropylamine and diisopropylamine hydrochloride, 24:16548 (RFP-1439)
Radiolysis of gaseous ammonia, 23:9424 (RFP-1089)
Radiolysis of oil-solvent mixtures, 25:21032 (RFP-1561)
KAZANKIN, Yu. N. Clathrate compounds of π cresol with inert gases. II, 21:17640
KAZANSKAYA, A. P. Production of He nuclei at interactions of pions with energy of 60 GeV with heavy nuclei of emulsion, 25:9660
KAZANSKAYA, A. S. Activation of an aluminosilicate catalyst by ionizing radiation, 25:21014
KAZANSKAYA, A. Ya. Radiation of shf noise oscillations of anomalous intensity by gas discharge plasma, 22:3067
KAZANSKAYA, N. A. Study of the loss of electron excitation energy by rare-earth ions, 25:83
KAZANSKAYA, V. A. Sensitive detector for slow neutrons, 22:47334
KAZANSKAYA, Valeria Andreevna Improvements in or relating to neutron detectors, 24:5911
KAZANSKII, G. S. Acceleration and extraction of deuterons from the JINR proton synchrotron, 25:12303 (JINR-P9-5442)
Calibration of tracking electrodes in proton synchrotrons, 24:1714
Mode of d and He acceleration in JINR synchrophasotron, 23:17020 (JINR-P9-4214)
KAZANSKII, L. N. Acceleration of electrons in circular phasotron, 21:9880
Electron ring phasotron, 21:40320
FIAN electron circular synchrocyclotron. XI, 22:32405
FIAN electron circular synchrocyclotron. VII, 22:32409
FIAN electron circular synchrocyclotron. V, 22:32414
FIAN electron circular synchrocyclotron. VI, 22:32410
Intense electron beam autoacceleration, 25:20220
Machine experiments on ring phasotron of Lebedev Physical Institute, 22:32303 (CEAL-2000, pp 419-22)
Startup of symmetric ring phasotron, 21:2561
Transistorized preamplifier for signal electrodes, 21:7617
KAZANSKII, V. B. EPR studies of stable hydrogen atoms on γ-irradiated clinoptilolites containing La, Mg, and K ions, 25:2224
Radiation-induced catalytic conversions, 21:12476
KAZANSKII, V. D. EPR study on stable H atoms on γ-irradiated clinoptilolites containing La, Mg, and K ions, 25:18423
KAZANSKII, V. I. Geological conditions of formation of uranium and uranium—thorium deposits, 23:40891
KAZANSKII, Yu. A. Angular distributions of fast neutrons in various environments, 21:21401
Energy conversion of pulse-height spectra of gamma radiation measured by stilbene crystals, 24:11828
Function for effectiveness of shielding materials with respect to capture gamma radiation, 21:21041
Gamma quanta from radiation capture of resonance and fast neutrons, 21:21571
Gamma rays from the radiative capture of resonance and fast neutrons, 24:6574 (UCRL-Trans-10393)
Gamma-ray yield cross-section for inelastic scattered fission neutrons, 25:17842
Influence of splitting of shield on buildup factor, 22:34737
Measurement and calculation of the coefficients of secondary gamma radiation, 21:21042
Optimization of nuclear reactor shielding characteristics on the basis of variational methods, 23:13474 (AERE-R-5773(Vol.4), pp 1098-1123)
Physical investigation of reactor shielding, 22:33122
Physical research into reactor safety, 21:30232
Physics of reactor shielding, 23:33045 (AEC-tr-6879)
Principles of experimental methods for nuclear physics, 25:53797
Spectra of Po—α—Be and Po—α—B sources in (n,γ)-coincidence, 21:1044
KAZANSKY, G. S. Deuteron acceleration in LHE synchrophasotron, 25:5449 (JINR-P9-5311)
KAZANTSEV, A. N. Calculations of radio-wave refraction in horizontally non-homogeneous troposphere and ionosphere, 22:2920
Radio-wave propagation in nonhomogeneous magnetoactive atmosphere, 22:2918
KAZANTSEV, E. I. Separation of Th and U(VI) on resin SDV-3, 24:279
Uranium sorption and separation from nitric acid solutions, 21:4610
KAZANTSEV, E. N. Influence of irradiation of seeds on mobility of cytoplasm, oxidative phosphorylation, and ATP-ase activity of mitochondria in the cells of maize roots, 21:11116
KAZARIN, V. A. Geophysical processes and cosmic-ray variations during a magnetic storm, 22:47856
Geophysical processes and cosmic-ray variations at the time of a magnetic storm at Vostok station, 22:52631
KAZARIN, V. I. Corrosion and properties of alloys of titanium—niobium, 22:19484
Oxidation of Ti—Mo alloys in nitric acid, 22:38517
KAZARINOV, N. M. Anisotropy of fission neutron emission, 25:1777
Comparison of the neutron emission characteristics in the fission of ^{233}U and ^{235}U, 21:12070
Distribution of excitation energy between fission fragments, 24:11019
Spectra of fission neutrons of ^{244}Cm, ^{242}Pu, and ^{239}Pu, 23:37214
KAZARINOV, Yu. M. Depolarization in 612 MeV elastic pn-scattering, 25:36390 (JINR-P1-5743)
Description of experimental data on πN and KN scattering in high-energy region on basis of complex angular momenta theory. I, 25:3381 (JINR-P2-5320)
Discrimination of statistical hypotheses of values of X^2 of same order, 21:29562 (JINR-P1-3268)
Double elastic proton scattering on polarized proton target, 23:18801
Double N—N scattering on polarized proton target, 24:28483
Electromagnetic form factors of a proton, 25:50090 (JINR-P2-5901)
Experimental investigations of nucleon—nucleon interaction at 600 to 650 MeV, 21:37680
Measurement of the triple scattering parameter R/sub pn/ at 70° cms and the phase shift analysis at 630 MeV, 21:17037
Measurement of Wolfenstein parameter in 605-MeV pn scattering, 25:17375
N—N scattering phase-shift analysis at energies near 20 MeV, 22:42098 (JINR-E1-3899)
New results on phase-shift analysis of nucleon—nucleon scattering at energy 630 MeV, 22:39434
Nucleon—nucleon triple scattering parameters for recoil particles, 22:52993
Phase-shift analysis and planning of experiments at 18.2 and 9.7 MeV, 21:3978 (JINR-E1-2969)
Phase-shift analysis of data and the determination of the scattering amplitude in the nucleon energy region above pion-production threshold, 21:37862
Phase-shift analysis of data on nucleon—nucleon scattering at low energies, 21:37848
Phase-shift analysis of nucleon—nucleon scattering, 23:21406
Phase-shift analysis of pp scattering at 1 GeV, 25:33766 (JINR-P1-5737)
Phase-shift analysis of the nucleon—nucleon scattering at 630 MeV, 22:5598 (JINR-P1-3525)
Possible method to discriminate statistical hypotheses at close values of chi^2 and application to phase shift analysis of nucleon—nucleon scattering, 22:24678
Problem of unambiguity of phase-shift analysis. II, 23:34617
Problem of unambiguity of phase-shift analysis. I, 23:34618
Proton form factors, 25:27991
Proton formfactors, 24:47396 (JINR-P1-5178)
Refinement of phase analysis of NN-scattering at energy 147 MeV, 21:40242
Simultaneous np and pp phase shift analysis at 18.2 and 9.9 MeV and question of additivity of Coulomb and nuclear phase shift, 22:11691
Simultaneous phase shift analysis of 210 MeV nucleon—nucleon scattering, 21:35316 (JINR-E2-3345)
Simultaneous phase shift analysis of 210 MeV nucleon—nucleon scattering, 22:24681
Specification of the N-N phase shift analysis at 23.1 MeV, 21:3977 (JINR-E1-2952)
Specification of the N-N phase shift analysis at 147 MeV, 21:4058 (JINR-E1-2953)
Unambiguous phase shift analysis of nucleon—nucleon scattering, 22:20271 (JINR-E1-3707)
Unambiguous phase-shift analysis of the nucleon—nucleon-scattering at 23.1 MeV, 21:2481
KAZARNOVSKII, D. M. Pulse effects of motion processes of plasma filaments, 22:9325
Theory of pulsed plasma-cluster accelerator, 25:40697
KAZARNOVSKII, M. V. Attenuation of the density of neutrons from a pulsed source, 21:46645 (BNL-tr-154)
Concerning a gas of ultracold neutrons in a trap, 24:18352
Model of a heavy moderator and solution of the problem of the theory of the thermalization of neutrons in an analytical form, 21:29864
Nonstationary neutron thermalization, 22:29881
Possible method of obtaining ultracold neutrons, 23:37075
Temperature dependence of diffusion parameters of slow neutrons in zirconium hydride, 25:48002
Theory of decreasing pulsed neutron density in finite moderating volumes, 22:29882
Theory of density damping of neutrons from a pulse source in a confined moderator, 22:20417 (JPRS-43682, pp 106-22)
KAZAROFF, John M. Properties of hot pressed titanium alloy powders for cryogenic applications, 25:55482
KAZAROV, R. E. Energy and angular distribution of high-energy muons, 22:13267
Penetrating component of cosmic rays at 130 mwe, 22:13266
Possibilities of investigating cosmic muons using a complex installation, 24:46514
Study of high-energy muons at a complex installation, 21:29038
KAZARYAN, E. M. Plasma oscillations of charge carriers in a constant homogeneous electric field, 24:42728
KAZARYAN, E. S. Mean ages of O—B5 stars based on distribution in stellar associations, 24:46847
Spectrum of RW Aur in the region lambdalambda3600-4800, 22:43703
KAZARYAN, M. A. Spectrophotometric investigation of some Wolf—Rayet and Of-type stars, 24:46839

Two new planetary nebulae, 23:3186
KAZARYAN, S. S. Scintillation spectrometer for the determination of the mass values and the energy spectra of elementary particles, 23:41047
KAZATCHEVSKAYA, T. V. Ionization of e region by precipitating electrons, 25:27527
KAZATCHKOVSKII, O. D. Emergency conditions in operation of BOR reactor, 22:53349
Safety problems in the design of large plutonium-fueled fast reactors, 22:53387
KAZAWA, Yoshiaki Development of long-duration MHD generator, 25:24940
Torus device for thermonuclear fusion equipment: JFT-1, 25:59079
KAZAZYAN, V. T. Calculation of chemonuclear reactor channel productivity in condition of non-isothermal flow of radiolized gas and variable dose rate, 25:1947
KAZBEKOVA, D. A. Biological effects and kinetics of the elimination of tritium oxide in dogs, 24:9769
Changes in organs of rats under ^{233}Pa, 25:24322 (AEC-tr-7195, pp 330-8)
Effect of ^{131}I, noise, and their combined action on dogs, 25:23987 (AEC-tr-7195, pp 397-404)
Experimental study of the relative biological effectiveness (RBE) of tritium oxide, 25:593
Morphological changes in rats poisoned with large doses of tritium oxide, 23:22365 (AEC-tr-6944, pp 269-73)
KAZBULATOVA, N. A. Isotope exchange in nitrophenylcyclopropane, 25:23573
KAZDA, Jindrich Influence of ionizing radiation on the enzymatic activity of Mycobacterium bovis, 22:33721
KAZDA, Stanislav Conference on post-natal development of phenotype, Liblice, Czech., 9/67, 25:26696
KAZEEV, Yu. I. Inelastic scattering of slow electrons in germanium and silicon, 25:13967
KAZEL, W. G. Off-gas systems for nuclear contaminated combustibles, 23:21923 (CONF-680821-, pp 312-29)
KAZEM, I. Clinical investigations with the scintillation camera and /sup 99m/Tc, 22:25941
Current techniques employing regional oxygenation as a means to enhance the localization of radioisotopes in brain tumors, 24:34482
Organ visualization with /sup 99m/Tc, 21:24509
Renal scanning with ferro-/sup 99m/Tc-complex. II, 21:24485
KAZEM, Ismail Radiation therapy, 23:29688
KAZEMI, H. Positron scintigraphy and application of cyclotron-produced positron emitters, 23:33455
KAZENAS, E. K. Mass-spectrometric determination of composition and vapor pressure of molybdenum trioxide, 23:16527
KAZENNOV, Yu. I. Effect of irradiation on the properties of welds of high-alloy steels and alloys, 24:44748
Radiation effects on the properties of high-alloy steel and alloy weld seams, 25:6885
KAZEROUNI, M. Total cross sections of ^{45}Sc, ^{47}Ti, ^{49}Ti, ^{53}Cr, and ^{61}Ni in the keV region, 24:49780 (EURFNR-808)
KAZES, E. Approximate saturation of the collinearized algebra of vector densities in the group-theoretic limit, 21:44308
Dipole-moment operator and current algebra, 22:22341
Form factors at finite momenta, 21:946
High-momentum properties of time-ordered V and A currents, 23:15108
Interference model for resonances suggested by the Veneziano amplitude, 25:14692
Inverse-mass approximation to the saturation of the algebra of axial-vector currents, 22:22335
K/sub μ3/ and K/sub e3/ form factors at finite momentum transfer, 21:37760
Microcausality and the representations of self-conjugate bosons, 21:23348
Modified canonical formalism, 21:33766
Momentum dependence of K/sub l3/ decay form factors, 22:13726
Properties of the colinearized algebra of vector densities in the infinite-momentum representation, 21:40156
KAZES, Emil Asymptotic fields of the Lee model, 23:46814
Castillejo—Dalitz—Dyson poles and asymptotic fields, 21:42440
Low-momentum-transfer predictions of the collinearized current algebra, 25:1436
Some consequences of the possible modifications of quantum electrodynamics, 21:37753
KAZES, I. High resolution measurements of 21-cm absorption in the direction of W 49, 24:10266
Structure of normal galaxies at 2695 MHz, 24:51363
Structure of radio galaxie Fornax A, 22:29136
Study of normal galaxies at 1415 MHz. I, 22:52420
KAZETO, Sadayuki Ovarian scan with human chorionic gonadotropin—^{131}I, 23:29646
KAZHDAN, Ya. M. Critical stellar parameters, 21:11365
KAZHLAEVA, U. I. Chemical agents for protecting skin during radium therapy, 22:28549
Radiation loads of personnel operating LUCH-1 gamma-ray machine, 24:25498
KAZI, A. H. Analysis of the inertial effect on fast-pulse reactor behavior, 22:33032
Core-displacement reactivity coefficient of a fast-pulse reactor, 23:4333
Design of He-bonded (UPu)C fuel-pin capsules for fast-flux irradiation, 21:8145
Preoperational test experience with the army pulse radiation facility reactor, 24:11246 (CONF-690102-, pp 353-71)
Reactivity calibration of a fast pulse reactor, 25:51179
KAZI, A. Halim Design of a high-performance UO$_2$ pulse reactor, 21:25621 (CONF-670501-3)
High-performance UO$_2$ pulse reactor, 23:47242 (CNM-R-2(Vol.1), pp 538-72)
Operation of Army Pulse Radiation Facility Reactor Core III, 25:41554
KAZI, R. A. Behind the CPT mirror, 21:13716
KAZIEVA, Kh. A. Immediate results of treatment of bone sarcomas of limbs under conditions of local hypoxia, 24:34418
KAZIMIERCZYK, Stefania Determination of strontium in barium minerals by atomic absorption spectroscopy, 25:54413
KAZIMIERSKI, A. Helium-3 neutron counter tubes, 23:6285 (RT/EL-(67)15, pp 77-96)
Wall effect in BF$_3$ counters, 22:16865
KAZIMIERSKI, T. Economic aspects of fuel cycle, 21:13978 (INR-723/IX/R)
KAZIMIR, Edward O. Moessbauer effect investigation on tin bonding, 23:34961 (NYO-906-86)
KAZIMIROV, V. G. Radioisotope renography in children with diseases of the kidneys, 22:38375
KAZIMIROVA, N. M. Effects of matrix backing on orientation of grafted chains in liquid-phase radioinduced copolymerizations, 24:16600
Radiation graft-copolymerization of glycidyl methacrylate to polyethylene, 21:40916
KAZIMIROVSKII, E. S. Angular spectrum of waves scattered by the ionosphere, 21:24998
Diurnal variations of electron density in ionosphere of Northern Hemisphere, 24:17791
Horizontal ionospheric drifts during low solar activity, 24:39966
Measurement of horizontal ionospheric drifts at two neighboring stations, 24:30272
Simulataneous measurements of ionospheric drifts by vertical and oblique sounding, 25:38280
Winter ionospheric drifts in a quiet-Sun period, 22:15461
KAZMAIER, H. E. Prog. rpt. on revegetation of disturbed areas of Amchitka Island, annual, 7/68, 25:12872 (BMI-171-105)
KAZMIERCZAK, E. E. NOVA: modular program system for reactor physics, 22:39901 (KAPL-P-3431)
KAZMIERZAK, E. E. NOVA: computer system for reactor physics calculations, 22:33150
KAZ'MIN, G. S. Current confinement by space charge in sectioned electron accelerator tubes, 25:3489
KAZMIN, Marvin Regional bladder megavoltage irradiation in bladder cancer, 22:4660
KAZNOFF, A. I. Determination of enthalpy changes for phase transformations above 2000°K, 22:31498
Determination of enthalpy of fusion of uranium dioxide, 22:21710
Elastic behavior of uranium dioxide, 24:10169
Tracer study of surface diffusivity of UO$_2$, 22:19638
KAZNOFF, Alexis I. Conference on ceramic nuclear fuels, Washington, D. C., 5/69, 24:10134
KAZNOVSKII, S. P. Boiling of liquids on fine wire under natural convection conditions, 24:44195
Boiling of liquids on fine wire under natural convection conditions, 25:18583
Dynamics of bubble boiling of water on fine wires, 24:14161
KAZOVSKII, E. Ya Superconducting magnetic systems, 24:15212
KAZOVSKII, E. Ya. Operating characteristics of superconducting electrical machines, 25:40579
Perspectives in applications of superconductors in electric machines and the problem of sealed superconducting system, 21:2134
KAZUEVA, T. V. Influence of whole-body x irradiation on heme biosynthesis in vitro by hemolyzates of hen erythrocytes, 21:36517
KAZUHIRO, Ishii Computer control of an accelerator, 25:56597 (SJC-A-71-3)
KAZUMATA, Y. Atomic ^{3}H center in neutron-irradiated LiF, 22:17779
ESR of neutron-irradiated BaF$_2$ crystals, 23:42466
New infrared absorption in neutron-irradiated lithium fluoride, 21:2303
Self-trapped holes in neutron-irradiated CaF$_2$ and BaF$_2$ crystals, 22:24483
KAZUMATA, Yukio Divacancy-associated hole centers in neutron-irradiated BaF$_2$, 24:19953
Electron spin resonance of gamma ray irradiated single crystals of sodium nitrate, 22:17724 (JAERI-Memo-2054)
KAZUNO, M. Baryon resonances in cosmic-ray interactions, 25:30729
Characteristic difference of π—N and N—N interactions, 24:20172
Elastic scattering of target protons in nucleon—nucleus collisions, 25:33545
Evaluations of mass of target isobar and four-momentum transfer in cosmic-ray jets, 21:11738
Inelasticity of cosmic-ray jets of 10^{13} eV, 22:29622
Isobar process and Landau process in cosmic-ray jets, 22:34320
KAZUO, Huke Withdrawal by gradual field change of accelerated beam in INS electron synchrotron, 22:24758
KAZUROV, V. I. Track distortion in a streamer chamber, 22:2424
KAZUSA, Chudo Characteristics of linear accelerator at Hiroshima University, 25:43754
KAZYUK, G. V. Neutron-activation methods in study of iodine exchange, 25:24011
KDROLYI, J. Excitation cross sections of isomeric states by scattering of 2.8-MeV neutrons, 22:48560
KE, Charles H. Inactivation and reactivation of hemocyanin by radiolytic OH and e/sub aq$^-$/, 25:26302
KE, Chin Nan Chemical behavior of ^{51}Cr recoil atoms, 23:15912
Chemical behavior of recoil atoms produced by low temperature irradiation, 24:31369
KEACHIE, S. Measurement of the cosmic microwave background temperature at 1.5-cm wavelength, 21:28933
KEALY, Wellesley Ashe Burst nuclear fuel element detection, 22:16339
KEAM, R. F. Bethe—Salpeter equation and the Goldstein problem, 24:20208
Perturbation treatment of Bethe—Salpeter equation for tightly bound fermion—antifermion systems, 25:27971
Properties of a causal Green's function for the Bethe—Salpeter equation, 21:17173
Reduction of the Bethe—Salpeter equation for a zero-mass system, 22:50445
Solution of Bethe—Salpeter equation with a square-well potential, 23:27760
KEAN, A. Shipowner's liability: a new approach, 24:22957
KEAN, B. H. X radiation of S. mansoni, 24:2834
KEAN, D. C. 4.41 and 4.51 MeV levels of ^{27}Al, 23:49351 (ANU-P-455)
4.41 and 4.51 MeV levels of ^{27}Al, 23:49361
Angular correlation studies of low-lying levels of ^{29}Al, 23:34747 (ANU-P-447)
Angular correlation studies of low-lying levels of ^{29}Al, 23:40005
Angular-correlation studies of reaction ^{24}Mg(α,pγ)^{27}Al, 23:19233
Angular-correlation studies of the reaction ^{24}Mg(α,pγ)^{27}Al, 23:23646 (ANU-P-428)
Energy levels of ^{23}Na, 21:13822 (ANU-P-374)
Energy levels of ^{23}Na and ^{23}Mg, 21:27556
Energy levels of ^{27}Si, 25:5602 (ANU-P-501)
Energy levels of ^{27}Si, 25:31252
Gamma-ray branching ratios of the low-lying levels of ^{29}Al, 23:10979
Gamma-ray branching ratios of the low-lying levels of ^{29}Al, 23:13225 (ANU-P-419)
High resolution study of energy levels of ^{27}Al, 25:25676
Magnetic analysis of reactions ^{7}Li(^{3}He,d)^{8}Be and ^{7}Li(^{3}He,t)^{7}Be, 25:59731
Magnetic analysis of the reactions ^{7}Li(^{3}He,d)^{8}Be and ^{7}Li(^{3}He,t)^{7}Be, 25:33970 (ANU-P-520)
Search for high-spin states in ^{27}Al, 25:28208 (ANU-P-521)
Search for high-spin states in ^{27}Al, 25:59761
Spins of the 4.41- and 4.51-MeV levels of ^{27}Al, 24:43238
Study of the 3.00-MeV level of ^{27}Al via ^{24}Mg(α,pγ)^{27}Al, 22:41993
KEANE, A. Approximation for self-shielding, 24:49671 (AAEC/TM-539)
Effective resonance integral and Doppler coefficient of ^{238}U, ^{232}Th, and ^{240}Pu, 21:33953 (AAEC/E-168)
Equivalence relation based on an improved rational approximation, 23:31229
Equivalence relations for heterogeneous reactor systems, 21:30080 (AAEC/E-166)
Exact solution of the problem of Goldstein and Cohen, 21:13792
Iterative solution of the neutron slowing down equation, 21:13795
Maximum Doppler effect, 21:27616
Neutron flux distribution through a resonance, 21:9906
Synthetic kernels of neutron slowing-down theory and a related expansion, 21:9903 (AAEC/E-155)
KEANE, A. T. Dose-response relations for tumor incidence in Ra patients, 25:21906 (ANL-7760(Pt.2), pp 1-17)
Measurements of ^{241}Am in two subjects, 25:21685 (ANL-7760(Pt.2), pp 36-44)
Metabolic data on injected and ingested ^{228}Th in human beings, 21:32559 (CONF-661018, pp 191-207)
Radiogenic tumors in radium and mesothorium cases, 23:38854
KEANE, Albert T. Retention and absorption of ^{224}Ra and ^{228}Th, 23:38427
KEANE, J. Prototype rf system for the 200-MeV linac injector for the AGS, 23:28016
KEANE, J. A. Determination of J/sup π/ of states in ^{17}O near 8 MeV excitation energy, 25:53641
Source of polarized protons and deuterons for terminal of pressurized 6-MV Van de Graaff accelerator, 25:53461
States in ^{17}O via neutron-polarization measurements in ^{13}C(α,n)^{16}O reaction, 25:28202
KEANE, J. R. Analysis of trace elements in air-borne particulates, by neutron activation and gamma-ray spectrometry, 23:2248
KEANE, J. T. BNL 50-MeV linac rf multiport system, 23:28019
Experimental results on RCA 7835, and initial operating parameters of FTH 515, 21:2539 (BNL-10650)
Studies of multi-drive excitation for Alvarez structures, 21:38034
KEAR, B. H. Co-precipitation of γ'(Ni$_3$Al) and α-Cr in a nickel-base alloy, 25:35502
Creep-induced intrinsic/extrinsic fault pairs in a nickel-base alloy, 24:1042
Nature of freckles in nickel base superalloys, 24:42148
KEAR, Bernard H. Creep in gamma prime precipitation-hardened Ni-base alloys, 24:14756
KEARCHNER, D. V. Gonadotropin levels in puberty. I, 23:26165
KEARIN, M. J. Method for study of short-lived nuclear isomers, 25:20312
KEARNEY, J. J. Copolymerization by gamma-irradiation of eutectic mixtures, 24:27122
Preparation of synthetic latex using ^{60}Co radiation, 22:30604
Prog. rpt. on radiation induced emulsion polymerization, 2/64—3/67, 22:23036 (TID-24281)
Radiation-induced emulsion polymerization of vinyl acetate and styrene, 23:45312
Radiation-induced polymerization and copolymerization of unusual monomers, 23:35139 (TID-24923)
Radiation-induced polymerization of dienes with sulfur dioxide, 23:4664
KEARNEY, James Leslie Improvements in or relating to refuelling machines for gas cooled nuclear reactors, 21:19505
KEARNEY, Jasper W. Natural radioactivity and ^{137}Cs in Alaskan caribou and reindeer samples, 22:10776
KEARNEY, P. K$^-$p elastic scattering at 2.24 GeV/c, 21:29457
KEARNEY, R. J. Phonon dispersion relation of beryllium oxide, 22:31944 (IN-1129)

  Phonon dispersion relation of beryllium oxide, 24:10621
KEARNS, Donald S. Ultrasensitive method for determination of low levels of respiratory $^{14}CO_2$ by liquid scintillation counting, 24:4232
KEARNS, J. Prog. rpt. on meteorology for the loss of fluid test reactor, annual, 1/1/66—1/1/67, 22:10375 (IDO-12059)
KEARNS, J. J. Crystallographic orientation of hydrides in fine-grained Zircaloy tubing, 23:51066
  Dissolution kinetics of hydride platelets in Zircaloy-4, 22:41044
  Precipitation of oriented hydrides in Zircaloy, 21:9194
  Solubility of H in Zr, Zircaloy-2, and Zircaloy-4, 21:26849
KEARNS, K. D. Dynamics of a fast reactor with in-core thermionic converters. Third annual report, September 1, 1968—August 31, 1969, 24:50088 (TID-25528)
  Dynamics of a fast reactor with in-core thermionic converters. Fourth annual report, September 1, 1969—August 31, 1970, 25:44097 (COO-2109-5)
  Loss-of-flow analysis for pressurized water reactors, 25:51147
  Prog. rpt. on dynamics of a fast reactor with in-core thermionic converters, annual, 9/67—8/68, 23:45114 (TID-25121)
KEARNS, Kenneth D. Parametric stability analysis of systems with time delay, 25:6164
KEARNS, Kenneth Dermot Stability of nuclear reactor systems having time delays, 25:8133 (COO-2109-2)
KEARNS, W. H. Fabrication of a Nb alloy liquid metal loop, 21:9133
KEARNY, Cresson H. Instructions for building a homemade large-volume shelter-ventilating punkah-pump, 21:19812 (ORNL-TM-1745)
KEARSEY, H. A. Burn-out and film flow in the evaporation of water in tubes, 21:41139
  Correlation of critical heat flux for the vertical flow of water in uniformly heated channels, 25:6462 (AERE-R-5590)
  Determination of rate of deposition of droplets in heated tube with steam—water flow, 23:50017 (AERE-R-6118)
  Flow visualization studies of boiling at high pressure, 21:41143
  Heat transfer to steam—water mixtures flowing in uniformly heated tubes, 23:13944
  Measurement of liquid film flow rates at 1,000 psia in upward steam water flow in a vertical heated tube, 23:24367 (AERE-R-5809)
  Studies of burnout in boiling heat transfer, 22:12531
  Third International Heat Transfer Conference, Chicago, 21:41118
KEARVELL, A. Fluorescence quenching and external spin-orbit coupling effects, 23:2617
KEATEN, R. W. Burn-up experiments with the HBWR second fuel charge, 23:17165 (HPR-86)
  Evaluation of thermocouples for blockage detection in LMFBR fuel assemblies, 24:33307
  Safety criteria and design for FBR demonstration plant, 25:41458 (CONF-710315-6)
KEATH, E. P. Anomalous distribution in heliocentric longitude of solar-injected cosmic radiation, 25:49679
  Cosmic ray particle detectors designed for interplanetary studies, 24:19202 (N-70-13082)
  Decay phase of solar-flare events, 25:40266
  Pioneer 8 and 9 cosmic ray detector system, 25:39724
KEATHLEY, J. A. Remote pulse-height analyzer and telemetry link, 22:28142
KEATING, D. T. Density of phonon eigenstates from inelastic incoherent neutron scattering, 25:5230
  Influence of interstitial carbon in iron on the scattering of x rays, 22:48148 (BNL-12711)
  X-ray satellite reflections in Ho, 23:22893
KEATING, John J. Gamma-irradiation effects in single-crystalline barium titanate, 23:48967
KEATING, John Joseph Gamma-radiation effects in single-crystalline barium titanate, 23:28931
KEATON, P. W. Jr. ^{3}He(d Vector,d)^{3}He scattering at 10 and 12 MeV, 25:53562
  Absolute beam polarization determination for the LASL Lamb-shift source by the quench ratio method, 25:5453 (LA-4465, pp 10.1-2)
  Absolute beam polarization determination for LASL Lamb-shift source, 25:53473
  Absolute polarization determination of mass-3 nuclei, 25:5518 (LA-4465, pp 19.1-2)
  Absolute polarization determination of mass-3 nuclei, 25:53588
  Considerations on polarized neutron production by (d,n) polarization transfer reactions at 0°, 25:5805 (LA-4465, pp 26.1-2)
  Considerations on polarized neutron production by (d Vector,n Vector) polarization transfer reactions at zero degrees, 25:53848
  Cross-section measurements for ^{9}Be + d and ^{12}C + t interactions, 23:46913 (LA-4177)
  Elastic scattering and breakup of 15-MeV polarized deuterons, 25:53812 (LA-DC-12577)
  Elastic scattering of polarized tritons, 25:5511 (LA-4465, pp 5.1-2)
  Elastic scattering of polarized tritons, 25:53587
  Elementary review of angular momentum, 24:37579 (LA-4394)
  Figures of merit for polarized deuteron beams, 25:5455 (LA-4465, pp 23.1-2)
  Figures of merit for polarized deuteron beams, 25:53475
  Formalism for A(d Vector,n Vector)B and A(d Vector,p Vector)B polarization transfer reactions, 25:53847
  Formalism for A(d,n)B or A(d,p)B polarization transfer reactions, 25:5803 (LA-4465, pp 20.1-2)
  Formalism for A(p Vector,p Vector)A and A(d Vector,d Vector)A polarization transfer, 25:53849
  Formalism for A(p,p)A and A(d,d)A polarization transfer, 25:5804 (LA-4465, pp 21.1-2)
  Formalism for spin-3/2 beams, 25:5807 (LA-4465, pp 35.1-2)
  Formalism for spin-3/2 beams, 25:53850
  Formalism for the [polarized] T(d,n)^{4}He and ^{3}He(d,p)^{4}He reactions, 25:59837 (LA-4492)
  Measurement of the vector and tensor analyzing power of d—^{4}He elastic scattering at 12 MeV, 25:5553 (LA-4465, pp 25.1-2)
  Model for the optical potential of composite particles, 24:30870 (LA-4379)
  Moessbauer effect following Coulomb excitation of ^{57}Fe, 21:15229
  Nuclear polarization in the ^{11}B(d,p)^{12}B reaction. I, 21:13812
  Particle identification utilizing an on-line computer, 23:21962
  Polarization of ^{3}He elastically scattered from ^{4}He, 23:39938
  Polarization of elastically scattered tritons and ^{3}He, 25:17686 (LA-4538)
  Polarization of tritons scattered from ^{4}He, 22:35212
  Polarization of tritons scattered from hydrogen, 24:13272
  Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:5806 (LA-4465, pp 27.1-6)
  Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:53859
  Precise proton-polarization standards determined with Lamb-shift ion source incorporating nuclear spin filter, 25:48019
  Quadratic relations between T(d Vector,n Vector)^{4}He observables, 25:53559
  Quadratic relations between the T(d,n)^{4}He observables, 25:5519 (LA-4465, pp 22.1-2)
  Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:5802 (LA-4465, pp 11.1-2)
  Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:53860
  Reaction ^{3}He(d,p)^{4}He, 25:53565
  Recoilless gamma rays from nuclear reactions, 21:1063
  Study of ^{3}He(d,d)^{3}He scattering at 10 and 12 MeV, 25:5520 (LA-4465, pp 24.1-2)
  Study of the ^{3}He(d,p)^{4}He reaction, 25:5512 (LA-4465, pp 6.1-2)
  Time reversal in polarization phenomena of nuclear interactions, 24:26675 (LA-4373)
  Vector and tensor analyzing power of d—^{4}He elastic scattering at 12 MeV, 25:53583
  Work with polarized tritons at Los Alamos, 25:38875
KEATS, Albert Brian Improvements in or relating to supervisory circuit arrangements, 22:53473
KEATS, Theodore E. Atlas of roentgenographic measurement, 24:7955
KEAVENY, Ian T. Calculation of lower bounds to energies of molecular systems. I, 23:12571
KEAVENY, V. Iodinated toluidine blue, 23:10022
KEAYS, R. R. Abundance of 14 trace elements in lunar rock 12013, 10, 25:959
  Determination of some precious metals by neutron activation analysis, 23:11467
  Precious metal abundances in some carbonaceous and enstatite chondrites, 22:22
KEAYS, Reid R. Apollo 12 lunar samples: trace element analysis of a core and the uniformity of regolith, 25:946
  Chemical fractionations in meteorites. IV, 25:32871
  Trace elements and radioactivity in lunar rocks, 24:21528
KEBADZE, B. V. Boiling reactor BK-50 frequency characteristics, 23:2012
  Experimental research of boiling water reactor stability, 22:35537
  Noise analysis for investigating boiling water reactor dynamics, 23:11124 (RCN-98, pp 409-25)
  Some properties of boiling-water reactor self-oscillation conditions, 25:60037
KEBARLE, P. Ion—molecule reactions in the xenon-sensitized ionization of ethylene, 21:41791
  Ion—solvent—molecule interactions in gas phase. Enthalpies and entropies for reactions $NH_4^+(NH_3)$/sub n - 1/ + NH_3 = $NH_4^+(NH_3)$/sub n/, 22:16625
  Ionization cross sections, charge-transfer cross sections, and ionic fragmentation of paraffins, olefins, acetylenes, chloroalkanes, and benzene, 21:13371
  Mass-spectrometric study of ions at near-atmospheric pressure. III, 21:3099
  Mass-spectrometric study of ions in Xe, Kr, Ar, Ne at pressures up to 40 torr, 21:41790
  Reactions of active nitrogen with ethylene and deuterated ethylenes, 21:1364
  Thermal ion—molecule reaction rate constants at pressures up to 10 torr with a pulsed mass spectrometer, 23:18398
KEBERLE, H. Isotope dilution analysis with the aid of preparative thin-layer chromatography, 25:23520
KEBUKAWA, Takeji Energy spectrum of excitations in liquid He II, 24:45174
  Excitation energy in liquid He II, 25:7323
  Microscopic theory of the back-flow effect in He II, 22:9250
  Velocity operator in many-boson systems, 25:36368
KEBULADZE, T. B. Analysis of a number of cosmic-ray effects during the magnetic storm of the period of maximum of solar activity, 21:29049
KEBULADZE, T. V. Cosmic-ray acceleration by corpuscular streams, 24:21621
  Cosmic-ray increase before Forbush decrease, 25:30316
  Dependence of increase before Forbush decreases on energy, 24:30182
  Diurnal and semidiurnal variations of cosmic-ray hard component and magnetic activity, 21:29061
  Increase in cosmic-ray intensity preceding Forbush effects, 22:24070
  Statistical analysis of cosmic-ray intensity increases before Forbush effects, 24:39906
  Structure of interplanetary magnetic field, 24:6399
  Study of a number of cosmic-ray effects during magnetic storms in August of 1958, 21:29051
KECES, Stjepan Accumulation of ^{106}Ru by mussels, 22:28324
KECHIJIAN, Paul Skin of primates. XIX, 21:430
KECHIN, V. V. Galvanomagnetic effects in graphite, 24:12897
KECK, B. W. Equivalence theorem for S-matrix elements, 25:25543
  Renormalization of chirally invariant Lagrangians, 25:33698
  Renormalization of nonpolynomial Lagrangians, 25:50177
KECK, C. A. BISYN: two dimensional synthesis program, 21:12140 (GEAP-4922)
KECK, Ch. Asymmetric feeding of a magnetic quadrupole lens, 22:13881
  Influence of instabilities on the formation of the image by asymmetrically fed quadrupole systems, 22:26748
  Operating conditions of a quadrupole system, 22:13886
KECK, Charles R. Adjustable mounting for plastic phosphor scintillation detectors, 22:10570
  Whole body scintillation detector for animal use comprising a plurality of plastic phosphor rectangular logs, 22:28130
KECK, D. B. High resolution study of nitric oxide near 5.4 microns, 22:33308
KECK, G. Radioactivity in air following Chinese nuclear weapons test, 23:24320
KECK, Gertrud Laser: a new type of radiation source, 21:8968
  Long-lasting radioactivity at high altitude, Jan. 1967 to Dec. 1968, 24:20904
  Long-lived radioactivity in high mountains from Jan. 1, 1965 to Dec. 1965, 23:24319
  Measurement of ^{137}Cs in bovine muscle, 25:23818
KECK, James Monte Carlo trajectory calculations of atomic excitation and ionization by thermal electrons, 23:46278
KECK, James C. Calculation of three-body ionic recombination rate, 22:17403
KECK, K. Coupling between pressure and temperature amplitudes in waves of second sound in liquid helium, 24:15260
  Cryo pump for temperatures to 1.5°K with very low refrigerant consumption, 21:34454
  Fluorescence of uv- and x-irradiated DNA solutions, 21:22358
  Intramolecular dimerization reaction on x irradiation of purine nucleotides, 23:13779
  Isothermal flow of liquid He II through fine grained powder, 24:30293
  Measurement of the pressure amplitude in a second sound wave, 22:29406
  Radiation sensitivity of desoxyribonucleic acid in the cell, 21:22359
  Scattering of 50 keV-electrons by liquid He, 24:39856
  Vertical temperature gradient in the fluid- and vapor-phase of He in a cylindrical reservoir, 21:3798
KECK, Klaus Studies on biological radiation protection. LXXXI, 22:40752
  Studies on radiosensitivity of DNA. II, 21:12783
KECK, M. J. Ultrasonic attenuation of longitudinal and shear waves in the normal and superconducting states of niobium, 25:25069
KECK, R. Investigation of reactions ^{9}Be(p,d)^{8}Be and ^{9}Be(p,α)^{6}Li with protons of 300 to 1250 keV, 25:53633
KECKE, Zbigniew Simultaneous radiolytic and pyrolytic decomposition of decahydronaphthalene, tetrahydronaphthalene, and their mixtures with naphthalene, 22:12377
KECKES, S. Cytological analysis of chimaerism in rats irradiated during foetal life, 22:6893
  IAEA activities in marine radioecology, 24:34227
KECKES, Stjepan Loss of ^{65}Zn in mussel, 23:41221
  Prog. rpt. on uptake of selected radionuclides by organisms in Adriatic, annual, 7/65—6/66, 23:43716 (NP-17533)
KECKI, Z. Application of mass spectrometry to the study of primary radiation processes of organic substances, 22:4219
  Elementary radiation-chemical processes of tetrahydronaphthalene as studied by mass spectrometry, 21:23988
  Free radicals in bone grafts sterilized by ionizing radiation, 24:34118
  Infrared examination of the products appearing in radiation induced oxidation of petroleum, 21:23989
  Radiation induced oxidation of certain petroleum fractions initiated by water emulsion of their radiolysis products, 21:23987
KECKI, Zbigniew Gamma radiolysis of liquid decahydronaphthalene, 22:27754
  Oxygen effect on gamma irradiated frozen solutions in tetrahydronaphthalene, 23:221
  Radiolysis of multiphase systems: hydrocarbons—water—oxygen. II, 22:16575
  Radiolysis of multiphase systems: hydrocarbons—water—oxygen. I, 22:25382
KECSKEMETI, J. Mean multiplicity in (n,γ) reactions, 24:10983
KEDDAR, A. Considerations on the application and adaptability of computer control to nuclear power plants, 25:18051
  Intercomparison of reactor calorimeters, 25:18191
  Some considerations on reactor instrumentation, control, and safety, 25:39159 (IAEA-119, 15p.)
KEDDY, Edward S. Evaluation of yttria in molten barium and lithium, 22:34095 (LA-3822)
KEDDY, R. J. Coulomb excitation of even Sm isotopes, 22:32614
  Lifetimes of low-lying excited states in ^{32}S, 25:38952
  Shell-model calculation of transition probabilities between A = 31 even-parity states, 23:28285
KEDEM, D. Computer program for the evaluation of complex spectra, 22:24457
  Selective uranyl nitrate permeation through plasticized poly (viny chloride) membranes, 23:37968

KEDEM, Ora Metal-ion separation by dialysis through solvent membranes, 21:17717
KEDER, W. E. Anionic acetato complexes of the hexavalent actinides, 22:30519
  Separation of alkali metals by solvent extraction with mixtures of organic-soluble acids and phenols, 22:16691
KEDL, R. J. Enhanced heat-transfer tubes for horizontal condensers with possible applications in nuclear power plant design, 21:6138
  Fluid dynamic studies of the Molten-Salt Reactor Experiment (MSRE) core, 25:10196 (ORNL-TM-3229)
  Model for computing ^{133}Xe migration in MSRE, 21:31945 (ORNL-4069)
  Model for computing migration of very short-lived noble gases into MSRE graphite, 21:32861 (ORNL-TM-1810)
  Tube vibration in MSRE primary heat exchanger, 22:20819 (ORNL-TM-2098)
KEDROV, A. I. Investigation of rocks by activation of oxygen nuclei by neutrons with energies of 14 MeV, 24:11494
KEDROVA, E. M. Change in the content of thiol groups in proteins of the globulin fraction from liver cell nuclei of x-irradiated rats, 24:11970
  Effect of ionizing radiation on nuclear cell proteins, 24:16970
KEDROVSKII, O. L. Making contained nuclear explosions radiation-safe, 25:54823 (UCRL-Trans-10543, pp 56-69)
  Prospective applications of underground nuclear explosions in national economy of USSR, 25:4169 (UCRL-Trans-10477)
  Status report on the program of contained nuclear explosions for use in industry, 25:54821 (UCRL-Trans-10543, pp 36-41)
  Use of contained nuclear explosions to stimulate petroleum output, 25:54822 (UCRL-Trans-10543, pp 42-55)
  Use of contained nuclear explosions to stop runaway oil and gas wells, 25:54825 (UCRL-Trans-10543, pp 81-98)
  Use of underground nuclear explosions in oil—gas mining, 22:27945 (JPRS-44486)
  Use of underground nuclear explosions for increasing yield of oil and gas deposits, 24:11715
KEDVES, F. J. Diffusion at high pressures, 25:49441
KEDWARD, E. C. Electrodeposited composite coatings for wear resistance, 22:2590
KEDWARD, Eric Charles Deposition of composite coatings, 25:19270
  Manufacture of nuclear fuel elements, 25:19269
KEDZIA, B. Infrared spectra of uranyl nitrate in ketonic solutions, 21:14199
  Structure of uranium compounds, 22:4132
  Unusual doublet of uranyl asymmetric stretching frequency, 21:14211
  Vibronic spectra of uranyl chloride in some organic solvents, 21:14210
KEE, F. J. Delayed neutron failed fuel location system, 24:28871
KEE, R. W. Automatic photographic system for radioactive reactor fuel elements, 21:8016
KEE, Won Cha Cation exchange behavior of Mo(VI) and W(VI), 25:39576
KEECH, G. H. Analysis of transmission electron diffraction patterns by computer, 25:34441 (AECL-3729)
  Calculation by conformal mapping of shapes of poles or electrodes for quadrupole lenses, 23:37031 (AECL-3253)
KEEDY, Curtis R. Capture cross sections of ^{237}Np, 21:40457
KEEFE, D. Elastic K^-p scattering from 700 to 1400 MeV/c, 21:18922
  Electron-ring accelerator program at Berkeley, 25:25578 (UCRL-20150)
  Electron-ring accelerator, 22:46593 (UCRL-18103, pp 145-63)
  Electron-ring accelerator, 23:27937
  Experiments on forming, compressing, and extracting electron rings for the collective acceleration of ions, 25:38831
  Forming intense rings of electrons suitable for the acceleration of ions, 23:19099
  Influence of Coulomb and image forces on combination in aerosols, 22:42875
  Polarization and angular distributions of Σ^0 from $\pi^-p \rightarrow K^0\Sigma^0$ near 1.3 GeV/c, 21:25243
  Preliminary hardware concepts for a high-energy electron-ring accelerator, 25:31052 (UCRL-20169)
  Radiation shielding for high energy muons: the case of a cylindrically symmetrical shield and no magnetic fields, 22:50502
  Radiation shielding for high-energy muons: the case of a cylindrically symmetrical shield and no magnetic fields, 22:29787 (UCRL-18117)
  Recent experiments on forming electron rings at Berkeley, 25:33905 (UCRL-20183)
  Research on the electron ring accelerator, 24:26567
KEEFE, Denis Electron ring accelerators, 23:17049
  ERA development at Berkeley, 24:1696 (UCRL-18896)
  Experimental use of 200 GeV accelerator, 22:7577 (UCRL-17939)
  Experimental use of the 200 GeV accelerator, 24:5367
  Experimental use, 22:46585 (UCRL-18103, pp 79-88)
  Status of the ERA research at Berkeley, 25:9917 (UCRL-20125)
KEEFE, Donald J. A neutron flux measuring channel covering ten decades of reactor power with a single fixed-position detector, 21:32442
  Trip circuit for reactor safety systems, 21:2898
KEEFER, D. Low frequency internal friction in electron irradiated copper, 21:36899
  Low temperature deformation of electron irradiated aluminum, 22:13018
KEEFER, D. H. Gamma spectrum analysis computations using a small computer, 23:26571
KEEFER, D. W. Dislocation pinning in electron irradiated Cu, 23:22602
  Electron irradiation and recovery of tungsten, 22:44249
  Modulus effects in metals after low temperature electron irradiation. II, 21:511
  Modulus effects in metals after low temperature electron irradiation. III, 22:36517
  Physical research, 23:12955 (AI-AEC-12721, pp 339-55)
  Proton irradiation effects in type 321 stainless steel, 25:29915
  Radiation damage in crystalline solids, 23:22579 (AI-AEC-12744, pp 169-78)
  Resistivity studies of electron-irradiated iron, 22:4815
  Temperature dependence of dislocation pinning in electron irradiated copper, 24:8149 (AERE-R-5944(Vol.1), pp 205-13)
  Trapping of point defects by dislocations, 22:21736
  Void formation in proton irradiated stainless steel, 25:42917
  Void formation in proton-irradiated stainless steel, 24:36937 (AI-AEC-12961)
  Void formation in Types 316 and 321 stainless steel by proton irradiation, 25:40081
KEEFER, Dennis Ralph Theory and the diagnosis of the electrodeless discharge, 22:50140
KEEFER, Douglas H. Natural environmental radioactivity in south Florida sands and soils, February—June 1968, 25:13107
  Radiologic study of inorganic urinary calculi. II. Comparison of stable and radioactive strontium deposition in urinary calculi and human diet, 25:16125
  Radiologic study of inorganic urinary calculi. I. Comparison of stable and radioactive strontium deposition in urinary calculi and human bone, 25:16192
KEEFER, Larry K. Facile hydrogen isotope exchange as evidence for an α-nitrosamine carbanion, 24:46238
KEEGAN, J. Quality control, inspection, and testing of Series I metallurgical fuels for first charge of Dragon reactor, 25:26438 (DP-Report-432)
KEEGAN, P. Metallographic laboratory practice in Dragon Project, 24:42176 (DP-Report-279)
KEEHN, Robert J. Aging in Hiroshima subjects, 24:21266
  Controlled study of preoperative irradiation in cancer of the sigmoid colon and rectum. Preliminary report, 25:6752
  Cytogenetic investigation of survivors of the atomic bombings of Hiroshima and Nagasaki, 21:8764
  Development of children exposed in utero to atomic bombs, 22:8574
  Mental retardation in children exposed in utero to the atomic bombs in Hiroshima and Nagasaki, 22:10809
  Neuro-muscular tests of aging in Hiroshima subjects, 25:27053
  Testicular changes in atomic bomb survivors, 21:4859
  Urinary findings of children who were in utero during atomic bombings of Hiroshima and Nagasaki, 21:26483
KEEL, E. O. Mechanism of the action of ionizing radiation on the acetylcholine content in the tissues of the small intestine, 21:6440
KEELE, L. D. Determination of fluorine and boron in uranium—hydrofluoboric acid solutions, 25:39414 (Y-1792)
  Determination of nitrogen in boron nitride, 24:29172 (Y-1718)
KEELER, R. N. Shock waves. II, 25:10409 (UCRL-72770)
  Shock-wave studies in condensed media, 21:34206 (UCRL-70247)
  Shock-wave studies in condensed media, 23:12345
  Six lectures on shock-wave physics, 24:47319 (UCRL-71846)
KEELER, W. J. Electron tunneling measurements on Pb near the transition temperature, 22:1108
  Energy shifts in phonon spectrum of Pb, 22:1076
  Pressure dependence of phonon spectrum of Pb, 23:25277
  Pressure dependence of the energy gap of superconducting lead, 22:17594
KEELEY, Douglas A. Dynamical models of long-period variable stars, 24:42327
  Static structure of long-period variable stars, 24:42326
KEELEY, Douglas Allan Static and dynamical models of long-period variable stars, 25:6927
KEELEY, G. S. Computers and in-core instrumentation, 24:7019
KEELEY, W. H. Biostatistical investigation of lung cancer incidence in South African gold/uranium miners, 25:52064 (A/CONF.49/P-659)
KEELING, D. H. Computer-assisted parathyroid scanning, 23:33470
  Preparation of /sup 99m/Tc for clinical use, 22:25932
  Soft tissue scanning, 24:34493
KEELY, Richard B. Impact of fuel reprocessing on health physics, 25:35140
KEEN, B. E. Apparent parametric enhancement of a drift-type instability, 24:26285
  Decay instability at ion-sound frequency induced by large-amplitude Bernstein mode, 25:47590
  Dispersion curve for drift waves in inhomogeneous magnetoplasma, 25:19731
  Drift dissipative instability in afterglow plasma, 25:17197
  Drift-dissipative instability in afterglow plasmas, 24:28326
  Drift-wave dispersion curve for He magnetoplasma, 23:42366
  Experimental study of drift wave stabilization, 25:38463 (CONF-710607-23)
  Explanation for self-excited subharmonics of current-convective instability, 24:24022
  Feedback control of drift-type instability, 24:15338
  Feedback stabilization of plasma instability, 25:36184
  Feedback stabilization of various plasma instabilities, 25:27767
  Low-frequency wave mixing in a magnetoplasma, 23:32506
  Parametric enhancemnet of drift-type instability, 23:48920
  Preliminary results on the dynamic stabilization of the drift-dissipative instability, 25:27786
  Remote feedback stabilization of the ion-sound instability, 24:40119
  Rotationally convected drift-wave instability in an inhomogeneous plasma column, 24:35457
  Stabilization of the drift-dissipative instability in a plasma by rf magnetic and electric fields, 25:36179
  Suppression and enhancement of a drift-type instability, 25:30550
  Suppression and enhancement of an ion-sound instability by nonlinear resonance effects in a plasma, 23:51691
  Suppression of a drift-type instability in a magnetoplasma by a feedback technique, 23:32446
  Suppression of plasma instability by asynchronous quenching, 24:15335
  Van der Pol plasma instability, 25:11944
KEEN, N. J. Extracting uranium from sea water, 25:2323
  Extraction of uranium and other inorganic materials from sea water, 22:47249 (AERE-R-5500(Vol.2), pp 387-98)
  Studies on the extraction of uranium from sea water, 22:25481
KEEN, R. D. Expansion of mercury vapor, 21:19366 (NAA-SR-12049)
  FBR fuel cladding and structural materials, 23:13535 (AI-AEC-12721, pp 185-6)
KEENAN, Frank Improvements in or relating to pipe locating means, 21:19834
  Nuclear reactor, 21:23700
KEENAN, J. A. Decay of 15.8-h ^{186}Ir, 23:42946
KEENAN, J. G. Turbomachinery, 21:34094 (EUR-2757.e, pp 229-)
KEENAN, J. P. Fabrication and irradiation factors influencing plutonium recycle economics, 21:14869 (BNWL-SA-1079)
  PRTR fuel element quality control system, 21:19459 (BNWL-349)
KEENAN, Joseph A. Neutron activation analysis of epitaxial silicon, 25:51415
KEENAN, P. C. Anomalous behavior of aluminum oxide bands in Mira variables, 24:1131
  HD 191980: a peculiar B-type star, 23:20565
  High-dispersion classification of K2—M6 giants of high and low velocity, 23:22738
  Is there NbO in S-type stars, 23:39145
  Spectroscopic observations of VV Cephei in photographic infrared, 22:4956
KEENAN, Philip C. Carbon stars in a south galactic pole region, 23:51184
  Composite spectrum of CPD—56°3586 and luminosity of its supergiant component, 25:828
  Spectrum of Welch's red variable in Crux, 25:47207
  Technetium in Mira variable RZ Pegasi, 25:58459
KEENAN, T. K. Absorption spectra of Bk^{3+} and Bk^{4+} in solution, 21:40825
  Electronic spectra of CsF complexes of pentavalent Np, 24:27082
  Lattice constants of actinide tetrafluorides including berkelium, 23:13712
  Lattice constants of AmO_2F_2, 22:40065
  Preparation of berkelium tetrafluoride and its lattice parameters, 22:50960
KEENAN, Thomas K. Lattice constants of $K_7Cm_6F_{31}$; Trends in the 1:1 and 7:6 alkali metal—actinide(IV) series, 22:2080
  Lattice constants of Rb_2MF_6; M = uranium through curium, 22:85
  Tetra- and pentavalent actinide fluoride complexes, 22:30555
KEENE, A. R. Establishment and utilization of film dosimeter performance criteria, 22:17023 (BNWL-542)
  Factors involved in establishing film dosimeter performance criteria, 22:21521
  Purposes, required accuracy, and interpretation of personnel monitoring, 22:21512
KEENE, J. P. Effects of pulses of radiation on the survival of mammalian cells, 23:45874
  Pulse radiolysis of benzene—biacetyl solutions, 23:270
  Pulse-radiolysis study of some unstable complexes of iron, 24:4318
  Survival of HeLa cells from pulses of electrons, 24:51017
KEENE, Jenness Solving reactor siting in California, 21:17480
KEENER, R. B. High altitude radioactivity measurements made from the Argonne site, 25:48618 (ANL-7760(Pt.3), pp 249-50)
KEENEY, W. P. Critical studies for fast reactor "RAPSODIE", 21:5597 (ANL-7044)
  Depleted-uranium, nickel, and steel-reflected EBR-II critical assemblies on ZPR-3: experiments and calculations, 25:5963
  Experimental techniques developed in Idaho Division of Argonne National Laboratory, 21:35696 (ANL-7320, pp 657-62)
  Experiments and analyses of heterogeneous cores and neutron spectra in EBR-II critical assemblies on ZPR-3, 25:41517
  Gamma-ray dose evaluations for ZPR-3/EBR-II critical assemblies, 25:6125
  ZPR-3 assemblies 48: 48A, and 48B: the study of a dilute plutonium-fueled assembly and its variants, 25:28752 (ANL-7759)
  ZPR-3 Assembly 48: studies of a dilute Pu-fueled assembly, 21:35675 (ANL-7320, pp 205-14)
KEENEY, William P. Experiments with a series of small, Pu-plus-U-fueled fast-reactor criticals (FARET mockup—ZPR-3 Assembly 46), 25:8114 (ANL-7215)

KEENLISIDE, W. Oblique-incidence radio-wave propagation characteristics, 24:19809
KEEP, C. W. Surface complexes formed by thermal and radiolytic adsorption of gases on graphite, 25:26286
KEEP, R. H. Swelling measurements of irradiated fuel spheres by microradiography, 22:19571 (AERE-M-1977)
KEEPIN, G. R. Application areas and results of non-destructive assay measurements, 25:20937
  Delayed fission neutron data, 24:31044
  Delayed neutron kinetic response methods of assay, 23:24102 (LA-DC-9759)
  Delayed-neutron kinetic response methods of nondestructive assay, 23:2229
  Development of techniques and instrumentation for nondestructive assay of fissionable materials and field assay experience, 25:37305 (A/CONF.49/P-842)
  Fission signatures and applications to nuclear safeguards, 24:29221
  International cooperation and the control of nuclear energy, 21:40601
  Los Alamos Mobile Nondestructive Assay Laboratory, 25:32179 (CONF-700541-, pp 369-80)
  Los Alamos Scientific Laboratory safeguards research and development program, 24:39195 (WASH-1147, pp 110-33)
  Neutron interrogation techniques for fissionable material assay, 25:32176 (CONF-700541-, pp 316-47)
  Nuclear safeguards applications of ^{252}Cf, 23:9680 (LA-DC-10032)
  Nuclear safeguards applications of ^{252}Cf, 23:31298 (CONF-681032-, pp 257-75)
  Swimming through the crystal ball, 25:39689
KEEPIN, G. Robert Detection, identification, and analysis of fissionbale isotopes, 23:35004
  Neutron interrogation techniques in fissionable material assay, 24:29216
  New methods and techniques in nuclear safeguards, 23:2178 (LA-DC-10034)
  Nondestructive detection, identification, and analysis of fission materials, 21:45021 (WASH-1076, pp 150-71)
  Nondestructive detection, identification, and analysis of fissionable materials, 22:6206 (LA-3741)
  Nuclear safeguards applications of ^{252}Cf spontaneous fission neutron sources, 22:35199 (LA-DC-9552)
  Nuclear safeguards research, 24:18691
  Physics of delayed neutrons: experimental, 25:5769
  Prog. rpt. on nuclear safeguards, 10—12/69, 24:29482 (LA-4368)
  Prog. rpt. on Nuclear Safeguards, 7—9/69, 24:7611 (LA-4315)
  Requirements of safeguards and nuclear materials management, 25:39693
KEERY, W. J. Variation of the effective Fano factor in a Ge(Li) detector, 24:39241
KEESE, H. Remotely operated equipment for the analysis of reprocessing solutions, 22:40030
KEESING, R. G. W. High-resolution measurement of electron excitation to the 4S states of He, 21:31240
  Threshold behavior of electron excitation and polarization functions in helium, 21:33182
KEESOM, P. H. Specific heat of Re between 0.15 and 4.0 K, 24:19858
KEETON, A. Comparison of inconel 718 and inconel 750 for elevated temperature service in a pumped NaK system, 25:35343 (WANL-TME-1857)
KEETON, S. C. Bibliography of electrical conduction in oxides, 24:1078 (BNWL-1181)
  Bibliography on dielectric properties of Al_2O_3, BeO, HfO_2, MgO, SiO_2, and ThO_2, 24:1077 (BNWL-1180)
  Delayed failure in glass, 25:34481 (SCL-RR-710010)
  Electronic structure of rare-earth metals. I, 22:24437
  Nuclear radiation dose rate influence on thermocouple calibration, 23:766
KEETON, Stewart Charles Relativistic energy bands and Fermi surfaces for some heavy elements, 21:11688 (IS-T-109)
  Relativistic energy bands and Fermi surfaces for heavy elements, 21:42209
KEETTEL, William C. Management of recurrent carcinoma of the cervix, 23:38835
  Prophylactic use of radioactive gold in the treatment of primary ovarian cancer, 21:8858
KEEVER, Robert E. Updated earthquake engineering, 24:24773
KEEVER, William Coincidence measurements of close H^+-on-He collisions, 24:23801
KEEVER, William C. Measurements of close encounters in H-on-H, H-on-H_2, and H^--on-H collisions, 22:13235
KEEVER, William Carroll Coincidence measurement of close H^+ on He collisions, 25:47332
KEEYS, R. K. F. Burnout heat flux measurements in a long tube, 23:50015 (AERE-M-2216)
  Determination of rate of deposition of droplets in heated tube with steam—water flow, 23:50017 (AERE-R-6118)
  Flow visualization studies of boiling at high pressure, 21:41143
  Harwell high pressure heat transfer loop, 22:19031 (AERE-R-5145)
  Heat transfer to steam—water mixtures flowing in uniformly heated tubes, 23:13944
  Measurement of liquid film flow rates at 1,000 psia in upward steam water flow in a vertical heated tube, 23:24367 (AERE-R-5809)
  Studies of burnout in boiling heat transfer, 22:12531
KEFAUVER, H. L. Use of a time-shared, on-line computer to support basic and applied radiation research, 25:59666
KEFFER, F. Simultaneous parallel pumping of nuclear and electronic spin waves, 22:11556
KEFFER, Frederic Electron and nuclear spin interactions in solids, 23:42472 (AD-682320)
KEFGEN, R. B. Microstructure of irradiated and tested Zircaloy-2, 24:42106
KEGEL, B. Effects of liquid sodium on corrosion of V—Ti—Cr and V—Zr—Cr alloys, 24:14649
  Electron beam microanalysis of irradiated nuclear fuels, 24:11442
  Reactions of carbon-saturated vanadium carbide melt with a disordered arrangement of carbon, 24:51209 (SC-T-70-4035)
KEGEL, G. Radiogeology of some high-background areas of Brazil, 22:2218
  Radionuclides in foods and waters from the Brazilian areas, 22:2217
  Use of unactivated sodium iodide, 22:8355
KEGEL, Gunter H. R. Photoactivation of Ce, Nb, Sm, and Gd, 22:37637 (AD-664347)
  Precipitation of lithium in germanium during ion drift, 22:40399
  Purification of germanium crystals with a lead getter, 25:57736
  Radiation damage studies and impurity analysis in Si and in laser materials, 23:18717 (AD-664325)
KEGEL, W. H. Nonlinear thomson scattering and nonthermal radio emission, 25:40236
  Pulse-stimulated radiation from a plasma due to an energy-dependent gyrofrequency, 21:27179
  Radiation from plasma involving second harmonic of gyrofrequency, 21:2241
  Scattering of light from non-Maxwellian plasma, 23:48881
  Some properties of relativistic plasma rings, 24:40526
KEGEL, Welhelm H. Pulse stimulated radiation from a plasma at harmonics of the gyrofrequency, 21:762 (AD-635155)
KEGEL, Wilhelm H. Acceleration of cosmic ray particles by pulsar fields, 25:38184
  Light scattering from plasmas with a non-Maxwellian velocity distribution, 24:51621
  Properties of relativistic plasma rings, 23:23126 (IPP-1)
  Some properties of relativistic plasma rings, 23:37048 (UCRL-Trans-1397)
KEGLEY, Larry M. Mesocestoides corti: environmental cation concentration in calcareous corpuscles, 24:41748
KEGLEY, T. M. Method for preparing dense spherical particles of thorium and thorium—uranium dicarbides, 21:24826
  Preirradiation evaluation of pyrolytic-C-coated fuel, 21:18266 (ORNL-TM-1713)
KEGLEY, T. M. Jr. Metallographic preparation of arc-cast thorium carbides and correlation of their microstructures with composition, 23:16473 (ORNL-4354)
  Metallographic preparation of cerium carbides, 21:43681 (ORNL-P-3338)
  Modified pillar and simulated waste container test heaters, 23:12270 (ORNL-TM-2422)
  Potentiostatic metallographic etching experiments, 21:43625 (ORNL-P-3327)
  Use of cellulose nitrate for alpha autoradiography in metallography, 25:4344
KEHAYOGLOU, A. K. Comparison of three isotopic methods for the study of calcium absorption, 24:2540
KEHER, L. H. Safety and environmental aspects of nuclear energy, 25:39857 (CONF-710511-1)
KEHLIBAROV, T. Portable uv dosimeter, 21:1644
KEHM, Susan Irradiation studies of reconstituted nucleohistones, 24:11930 (ORO-2832-79, pp 13-41)
KEHNEMUYI, Muzaffer Foundations for Salem nuclear generating station, 25:1790
KEHOE, B. Decays Σ/sup +-/ ⟶ Λ^0 + e/sup +-/ + ν, 21:33592
  Experimental test of universality in $\Sigma^- \longrightarrow nl^-\nu$, 23:39603
  Final states with two or more strange particles from 4.25-GeV/c K^-p interactions, 23:5547
  Low energy Λ-proton elastic scattering, 22:50289 (ORO-2504-123)
  Low-energy Λ—proton elastic scattering, 23:5532
  New experimental limit on $\Delta S = -\Delta Q$ leptonic decays of Σ^+ hyperons, 22:7430
  Reaction K/sub L/°p ⟶ K/sub S/°p from 1.3 to 8.0 GeV/c, 25:33564
  Resonance production in $\Xi K\pi$ and YKanti K final states from K^--p interactions at 4.25 GeV/c, 21:21144
KEHOE, Brandt Test of T invariance in electromagnetic Σ decay, 24:40238
KEHOE, R. B. Planning for future enrichment plants, 24:16801
  Uranium enrichment in the UK, 25:8431
  Uranium enrichment industry, 24:39153
  Uranium enrichment industry, 24:44209
KEHR, K. Law T^4 for density of normal component in Bose liquids, 23:12725
KEHR, K. W. High-frequency ultrasonic attenuation in superfluid helium under pressure, 25:49820
KEHR, Kalus Low-temperature behavior of condensed Bose systems, 23:20857
KEHR, Leon E. Eleven steps to safer diagnostic x-ray, 25:24190
KEHR, W. D. Permeability of 4-79 molybdenum Permalloy, 24:24174
KEHR, William D. Stress-free bonding of laminated molybdenum permalloy cores, 24:32360
KEHRER, Harold H. Underground nuclear explosions: tectonic utility and dangers, 25:46574
KEHRER, W. S. Aerial survey of contaminated ocean surface at Operation Wigwam, 24:20924 (AD-481165)
KEHRER, Willard S. Gamma-ray fields above rough contaminated surfaces, 22:40221 (AD-668327)
KEIDAN, S. E. Extracorporeal irradiation of the blood in leukemic patients, 23:29524
KEIDERLING, Walter Behavior of free amino acids in the blood plasma, 24:34114
KEIDING, J. Induction of DNA polymerase activity in irradiated Tetrahymena cells, 25:24045
KEIFFER, David G. Prog. rpt. on electron spin resonance and optical absorption in compacted vitreous silica, final, 12/66, 21:17652 (ORO-3303-2)
KEIGHER, D. J. Clean room fire protection, 23:21854 (CONF-680821-, pp 339-41)
  NASA experience (policy) with HEPA filters, 25:21278 (CONF-700816-(Vol.2), pp 837-8)
  Recent significant clean room fire, 25:21279 (CONF-700816-(Vol.2), pp 839-40)
KEIGHTLEY, W. O. Response of earth dams to seismic disturbances, 22:33193 (UCRL-13329(Pt.1))
  Response of earth dams to seismic disturbances. II, 25:13130 (UCRL-13329(Pt.2))
KEIHN, F. G. High-temperature thermal expansion of certain group IV and group V diborides, 21:18336
KEII, Tominaga Adsorption measurement during hydrogen—deuterium equilibration over nickel catalyst, 21:21926
KEIJI, Kanda Reports of the study meeting on computer control of nuclear reactor, 25:46294 (KURRI-TR-75)
KEIL, D. Electric insulation for incore use, 25:37694
KEIL, E. AGS: computer system for synchrotron design and orbit analysis, 23:27902 (CERN-69-5)
  Characteristic features of the CERN ISR magnet system, 21:29727
  Diffraction radiation defocusing of an electron ring, 25:50270
  Effects of turning quadrupoles and magnets, 22:11830
  Energy loss of a charged ring passing a corrugated cylindrical waveguide, 24:35793
  Energy loss of charged bunches in a corrugated cylindrical waveguide. II, 24:35794
  Extraction of electron rings by a sequence of axially shifted coil pairs, 22:46617 (UCRL-18103, pp 328-31)
  Feedback damping of horizontal beam transfer errors, 24:3797 (CERN-69-27)
  Improvement possibilities in performance of CERN intersecting storage rings, 22:32356 (CEAL-2000, pp A163-7)
  Performance capabilities of proton storage rings, 22:32248 (CEAL-2000, pp 77-84)
  Stochasticity in many-dimensional nonlinear oscillating systems, 25:59652
KEIL, G. Design principles of fluorescence radiation converters, 25:10834
  Gamma-ray spectrometry with a scintillator—photodiode combination, 23:7782
  Scintillation counting with a fluorescence radiation converter, 24:36569
  Semiconductor avalanche detector for high gamma intensities, 21:1634
  Semiconductor detector for low energy spectroscopy, 24:11791
  Semiconductor GM counter, 25:57747
  Silicon avalanche diodes as detectors for gamma radiation, 23:2589
KEIL, H. Fission product transfer in the system UO_2/liquid Na/stainless steel, 21:30300
KEIL, Horst Graphical analysis of reactor breakdowns, 23:2136
KEIL, K. Melting of asteroidal-sized bodies by unipolar dynamo induction from a primordial T Tauri Sun, 24:39790
KEIL, P. Electron energy loss measurements and calculation of optical constants. I, 22:41354
  Electron energy loss measurements and calculation of optical constants. II, 22:41355
  Electron—photon cascades in Pb at primary energies of 100, 200, and 400 MeV, 25:36788
KEIL, R. Construction and uses of a radiological measuring vehicle, 21:4700
  Occurrence of ^{90}Sr in biological materials, 24:31974
  Selective spectrophotometric determination of uranium, 23:26164
  Spectrophotometric determination of rare-earths, 23:40548
  Spectrophotometric determination of heavy water, 24:25003
  Spectrophotometric determination of Ca, 25:57304
  Strontium-90 in biological materials, 25:4427
  Strontium-90 in human teeth. III, 25:32331
KEIL, R. A. Calculation of the radiation dose resulting from natural and artificial radioactive isotopes in the ground by gamma-ray spectrometry, 21:6538
  Determination of amount of natural radioactive nuclides in soil and construction materials, 23:673
  Fluctuation ranges in natural environmental radiation, 23:14210
  Measuring the dose rates of natural environmental radiation by gamma-ray-spectrometry, 21:12648
KEIL, R. G. Anodization of vanadium, 25:35295
KEIL, R. W. Feasibility study for fabrication of Cu—B_4C sheet, 21:4989 (LA-3570)
KEILHACKER, M. Collisionless plasma heating by strong shock waves, 23:32344
  Energy dissipation in collisionless shock waves, 23:32391
  Experimental study of collective dissipation in shock waves for a wide range of plasma parameters, 25:38423 (CONF-710607-122)
  New experimental results in the research on the physical principles of controlled thermonuclear fusion, 21:9527
  Numerical calculations of the density and temperature variations in cylindrical plasmas preionized by uv radiation, 24:51657 (IPP-1/106)
  Preionization for collisionless shock wave experiments by means of photoionization, 24:42705
  Preionization for collisionless shock wave experiments by means of photoionization, 24:51684 (IPP-1/99)
  Preliminary investigation of corrugated theta pinch ("Limpus") at Isar I, 21:11668 (IPP-1/55)
  Time-resolved light-scattering measurements of spectrum of turbulence within high-β collisionless shock wave, 25:33257
KEILHOLTZ, G. W. Air cleaning as an engineered safety feature in light-water-cooled power reactors, 22:46912 (ORNL-NSIC-25)
  Air cleaning as an engineered safety feature in light-water-cooled power reactors, 23:9189
  Air-cleaning systems as engineered safeguards in nuclear reactor containment, 21:40627

Behavior of refractory materials under irradiation, 23:25022 (ORNL-4390, pp 113-14)
Behavior of refractory materials under irradiation, 23:48575 (ORNL-4420, pp 119-22)
Behavior of refractory materials under irradiation, 24:4858 (ORNL-4440, pp 111-13)
Chemical safety, 21:32143 (ORNL-TM-1884)
Effects of fast neutrons on polycrystalline alumina and other electrical insulators at temperatures from 60° to 1230°C, 25:32313 (ORNL-4678)
Fast neutron effects on the carbides of Ti, Zr, Ta, Nb, and W, 22:21779
Fast-neutron irradiation effects on electrical insulators, 23:25023 (ORNL-4390, pp 115-20)
Fast-neutron irradiation effects on electrical insulators, 23:48528 (ORNL-4420, pp 123-30)
Fast-neutron irradiation effects on electrical insulators, 24:4859 (ORNL-4440, pp 114-16)
Fast-neutron irradiation effects on electrical insulators, 25:30011 (ORNL-4630, pp 226-9)
Fast-neutron irradiation effects on electrical insulators, 25:49575 (ORNL-TM-3300, pp 263-5)
Fast-neutron stability of refractory metal carbides, 23:36282
Filters, sorbents, and air cleaning systems as engineered safeguards in nuclear installations, 21:12151 (ORNL-NSIC-13)
Fission product release and transport in liquid metal fast breeder reactors, 23:19514 (ORNL-NSIC-37)
Fission-product release and transport in liquid—metal-cooled fast breeder reactors, 22:53396
Irradiation damage to Al oxide exposed up to 5 x 10^{21} n/cm^2, 21:36948
Irradiation damage to Al_2O_3 exposed to 5 x 10^{21} fast neutron, 21:46020
Irradiation damage to sintered BeO, 21:11327
Removal of radioactive noble gases from off-gas streams, 21:14408
KEILHOTZ, G. W. Techniques for irradiating high temperature materials in a steep flux gradient, 21:20591 (CONF-660511-, pp 1.7.1-16)
KEILIN, V. E. Compensating heat inputs into liquid He, 23:23034
Criteria for current stability in combined (normal + superconducting) conductors, 21:20876 (IAE-1208)
Cryostats of a new type for superconducting coils, 21:43976
Current stability criteria in composite (normal + superconducting) conductors, 21:18544 (NP-tr-1511)
Device for measuring pressure drop and heat transfer in two-phase helium flow, 23:20852
Force-cooled superconducting coil, 23:20862
Force-cooled superconducting systems, 24:35353
New type cryostats for superconducting solenoids, 21:5206 (IAE-1178)
Stability criteria for current in combined (normal + superconducting) conductors, 22:22081
Stable optimized superconducting split coils, 23:20863
KEILMANN, F. Dielectric properties of oxyhemoglobin and deoxyhemoglobin, 23:38449
Possibilities for plasma diagnostics with infrared lasers, 24:5155 (IPP-3/98)
Single-exposure imaging device for infrared and submillimeter wavelength laser radiation, 25:52849 (IPP-IV-18)
Two-dimensional interferograms for plasma diagnostics, 24:14374
KEILMANN, Fritz Interferometric and Schlieren measurements on the electron density in arc plasmas using IR radiation from a CO_2 laser, 24:51616 (IPP-4/4)
KEIM, Rudolf Radiochemical separation of silver isotopes, 25:182
KEIM, W. Franklin Biopsies in therapy of head and neck cancer, 23:38726
KEIN, Herbert F. Response of Microlite 287 probe to microwave fields, 24:44344 (BRH/DEP-70-20)
KEINERT, J. Calculation of neutron scattering and thermal neutron spectra in polyethylene using the Nelkin kernel, 21:42151
New aspects of (n,p) scattering in zirconium hydride, 25:33959
Radioprotective effect of ornithine-aspartate, 23:43802
Studies with pentosanpolysulfoester before and after irradiation, 23:50346
Use in physics and medicine of Siemens training reactor SUR 100, 23:9209
KEINERT, Juergen Neutron irradiation of tachostyptan and epsilon-tachostyptan, 23:29385
KEINTZEL, G. Experiments for a new control rod concept for the pebble bed reactor, 24:38393 (JUL-622-RG)
KEIRIM-MARKUS, I. B. Dose equivalent of γ-neutron radiation, 21:1766
Dose equivalent of ionizing radiations, 21:41405
Emergency personal dosimeters for gamma-neutron radiation, 24:7662
Emergency personal n-γ radiation dosimeters, 25:10881
Experimental study of the energy characteristics of a slow neutron detector with spherical moderators, 21:43239
Fissionable substances in neutron dosimetry, 21:334
Measurement units in radiation dosimetry and safety, 22:49372
Measuring units for ionizing radiation dosimetry and radioprotection, 21:41407
Method for Rem measurements in fields of mixed gamma—neutron radiation, 22:16916
Registration of fission products with a ZnS(Ag) detector, 24:25284
Sensitivity of spherical detectors of neutrons below 10 keV, 24:11781
Sensitivity of spherical neutron detectors in energy range from thermal to 10 MeV, 25:8522
Spatial distribution of absorbed doses of x rays of varying hardness in a tissue-equivalent dog phantom, 21:36597
Spatial distribution of fast and intermediate neutron doses in human phantom, 21:43388
Studies of experimental efficiency of slow neutron detectors with spherical moderators, 21:16181
Tissue doses produced by monoenergetic neutrons in human phantoms, 21:8839
Use of thermoluminescent alumophosphate glass in personnel neutron dosimeters, 21:333
Variation with hardness of glass thermoluminescent dosimeter IKS, 24:27451
KEIRS, Russell J. Prog. rpt. on radiation induced luminescent processes in gases, 11/66, 21:22974 (TID-23789)
Prog. rpt. on radiation induced luminescent processes in gases, 12/8/67, 22:5044 (ORO-3349-3)
Prog. rpt. on radiation induced luminescent processes in gases, 11/68, 23:10434 (ORO-3349-4)
KEISCH, B. Determination of biospheric levels of ^{129}I by neutron-activation analysis, 21:12321
Iodine-129: a new atmospheric tracer, 21:14328 (NSEC-120)
Isotopic methods of examination and authentication in art and archaeology, 25:261 (ORNL-IIC-21)
KEISCH, Bernard Dating and authenticating works of art by measurement of natural alpha emitters, 21:16008
Dating works of art through their natural radioactivity, 22:27908
Prog. rpt. on application of nuclear technology to art identification problems, annual, 2/69, 23:45223 (NYO-3953-1)
Prog. rpt. on application of nuclear technology to art identification problems, annual, 2/70, 24:46334 (NYO-3953-2)
Prog. rpt. on application of nuclear technology to art identification problems, annual, 2/70—2/71, 25:51410 (NYO-3953-3)
Sample preparation for low-level, alpha-particle spectrometry of ^{226}Ra, 21:2949
KEISER, George Lymphoid cells of the bone marrow: proliferation, origin, and function, 21:6653
KEISER, Irving Deuteration and its effect on melon fly, 24:14403
Longevity, resistance to deprivation of food and water, and susceptibility to malathion and DDT of oriental fruit flies, 23:35978
Need for immediate sugar and ability to withstand thirst by newly emerged oriental fruit flies, 23:35979
KEISER, J. Results of new absolute measurements of solar flux density at 9500 MHz, 25:7078
KEISER, J. T. Nuclear Brayton cycle power plants for space applications, 21:42807
KEISTER, Jamieson Charles Superconductive tunneling into bulk gallium single crystals, 24:51568 (TID-25549)
Superconductive tunneling into bulk gallium single crystals, 25:19615
KEISUKE Magnetocrystalline anisotropy of Gd—Tb and Gd—Dy alloys, 22:7357
KEITEL, G. Photoabsorption measurement of Li, Be, Na, Mg, and Al in the XUV range, 24:35571
KEITER, Hellmut Influence of Coulomb exchange forces on residual resistance in magnetic fields, 21:9339
KEITH, Edward J. Updated earthquake engineering, 24:24773
KEITH, G. Study of therapeutic effect on irradiated mice of substances contained in RNA preparations, 24:19328
KEITH, G. H. Development of high-temperature vanadium-base alloy, 25:24591
Evaluation of electrowon tungsten sheet, 24:27755 (BM-RI-7385)
Evaluation of electrowon W sheet, 25:24551
High-hot-strength vanadium-base alloy, 24:44678
Twinning and mechanical properties of V, 23:48414
KEITH, George H. Development of high-temperature vanadium-base alloy, 24:32371 (BM-RI-7393)
Interactions of titanium and molybdenum additions with interstitial impurities in vanadium, 23:51031 (BM-RI-7262)
Strain-aging effects in electrorefined V, 23:36062 (BM-RI-7222)
KEITH, J. E. Cosmic-ray neutron monitor yield functions, 22:13283
Noble gases and radionuclides in Lost City and other recently fallen meteorites, 25:40149
KEITH, James F. Jr. Chronology of two weeks' fallout shelter confinement, 21:30814
KEITH, M. L. Local variation of ^{13}C and ^{18}O content of mollusk shells and the relatively minor temperature effect in marginal marine environments, 21:4637
KEITH, R. E. Adhesive bonding of stainless steels, 22:19517 (NASA-SP-5085)
KEITH, R. L. G. Beta decay energy from the fission products of ^{239}Pu, 24:18431
Energy released as kinetic energy of β-particles in decay fission products of ^{235}U, 23:25920
Half-life of ^{233}U, 23:37251
Measurement of fission cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 23:37249
KEITH, Ronald Leonard Gordon Improvements in or relating to nuclear radiation detectors, 25:29348
KEITH, Susan C. Stable isotope customer list and summary of shipments, FY 1967, 22:3977 (ORNL-TM-2038)
Stable isotope customer list and summary of shipments, 1968, 23:21605 (ORNL-TM-2401)
KEIVAN, M. D. Nucleic acid content in tumor cells during complex therapeutic (x-ray plus cold method of treatment), 21:39334
KEIZER, A. S. Branching ratio for decay of phi mesons into lepton pairs, 25:59310
Decay into muon pairs of photoproduced phi mesons, 24:40235
Photoproduction of muon pairs at 7 to 9 GeV, 23:30695
Photoproduction of muon pairs, 24:51898
Search for new vector bosons and a test of quantum electrodynamics, 24:32959
KEIZER, Alan Stanley Measurement of the muonic decay of photoproduced phi mesons, 25:45672
KEIZER, Joel E. New approach for the justification of ensembles in quantum statistical mechanics. I, 25:3238
New approach for the justification of ensembles in quantum statistical mechanics. II, 25:3237
KEIZER, R. L. Elastic and inelastic scattering of 15.8 MeV deuterons, 21:4227
Simple pulse multiplying circuit for E. ΔE particle identification, 21:30738 (CSIR-233)
KEIZER, S. A. Change of mitotic activity of epithelial cells of the cornea in animals exposed to small doses of γ radiation, 22:49513
Combined action of carbon monoxide and ionizing radiation under prolonged conditions, 25:35233
Leukocytes with degenerative disturbances in chronic irradiation of animals, 23:22350
KELAREVA, E. I. Vaporization of MgO- and ZrO_2-based refractory materials, 24:42237
KELBER, C. N. Argonne reactor computation system, ARC, 23:47340 (CNM-R-2(Vol.3), pp 1428-45)
Computing methods in reactor physics, 23:2114
Hazards summary report on AHFR critical experiments, 22:3887 (ANL-5715(Add.), pp 3-20)
Hazards summary report on internal superheater critical experiments, 22:3889 (ANL-5715(Add.), pp 43-65)
Operation and plant changes at CP-5 required by the positive light-water-replacement reactivity coefficient, 25:51192
Oxide critical experiments, 22:3886 (ANL-5715(Add.))
Safety effects of water infiltration in CP-5, 25:41561
Safety problems of liquid-metal-cooled fast breeder reactors, 25:18154 (ANL-7657)
KELBER, Charles Dual spectrum concept for LMFBR fuel assay, 25:4294
Dual spectrum concept for LMFBR fuel assay, 25:54217
Extension of the dual-spectrum fuel assay concept, 25:41526
KELBER, Charles N. A bootstrap concept of a safety test facility, 25:15380
Extended equivalence relation, 25:10310
Method for controlling a nuclear reactor, 21:7998
Rule of thumb for fast flux irradiations, 23:9214
Shielding study for the Univ. of Chicago experiment in Pioneer F/G, 25:40740
Space dependent effects on fast-thermal system parameters, 21:40613
KELBG, G. Contribution of the second virial coefficient to the free energy of a high-temperature plasma, 22:1240
Equation of state and ionization equilibrium hydrogen plasmas, 25:14319
Quantum statistics of high-temperature plasmas in thermodynamic equilibrium, 21:42104
Quantum statistics of thermal plasmas in equilibrium. I, 25:25116 (ITF-70-93-P)
Quantum statistics of thermal plasma in equilibrium. II, 25:25117 (ITF-70-94-P)
Quantum—statistical equation of state of strongly ionized hydrogen plasma of medium density, 25:1208
Quantum-statistical systems with Coulomb interactions. I, 23:20922
KELCHER, R. W. Mechanical properties of two Nb-base alloys, 24:4802
KELCHNER, R. E. Prog. rpt. on radiation effects on Ag and Zn electrodes, V, 4-7/66, 21:24276 (N-67-11722)
Prog. rpt. on radiation effects on cells, final, 6-8/66, 21:24277 (N-67-11732)
Radiation effects on silver and zinc battery electrodes. IV, 21:9200 (N-66-27530)
KELDYSH, L. V. Multiphoton ionization of atoms. preprint no. 11, 24:28092 (NP-18235)
Multiple photon ionization of atoms, 24:51416 (AEC-tr-7167)
KELEBERDA, G. G. Influence of large doses of ^{60}Co γ-rays on sowing quality of seeds, and growth and yield of sugar beets, 21:3450
KELECIUS, A. EBR-II intrasite spent-fuel shipping casks, 24:473
KELEMAN, P. J. Quark—diquark model of baryons and SU(6), 22:22383
KELEMEN, Agnes Seasonally induced effect of castration on the uptake of radioiodide (^{131}I) by the thyroid of the rat, 22:14966
KELEMEN, George Laser-induced ear damage, 22:10838
KELEMEN, Ilse Radioactive contaminants of ^{131}I-hippuran, 23:33777
KELEMEN, P. J. Analytic continuation of regular solution of Schroedinger equation in complex angular momentum plane, 25:53391
Are Regge trajectories straight lines, 24:1565
KELEMEN, Zsigmond Herpes zoster induced by x and cobalt irradiation, 25:49312
KELEN, E. Spectral analysis of uranium compounds, 21:1267
KELER, Aleksandar Problem of gonadal doses in roentgen-diagnostic irradiations, 24:29886
KELER, E. K. Change in the properties of zirconium—yttrium solid solutions during extended effect of high temperature, 23:1045
Chemistry of Ce in oxide systems, 23:37955
Effect of additions of GeO_2 germanates of Y and Nd on polymorphism of ZrO_2, 21:28841
Investigation of phase relationships in Ln_2O_3—Nb_2O_5 systems in regions rich in Nb pentoxide, 22:49839
Investigation of system HfO_2—Sm_2O_3 in solid phase in region rich in hafnium dioxide, 22:28946
Phase relations in the Ln_2O_3—Nb_2O_5 systems in the Nb pentoxide-rich region, 22:21769
Preparation and properties of zirconium refractories stabilized by cerium dioxide, 23:51111
Reactions in the systems Al_2O_3—Nb_2O_5 and Al_2O_3—Ta_2O_5, 25:40124
Solid-phase reactions between pentoxides of niobium and tantalum and oxides of the rare-earth elements, 23:39051
Stabilization of zirconia with combined additives and a study of the solid solution stability, 25:55636

Status of research on systems La_2O_3—ZrO_2, Ce_2O_3—ZrO_2, and Nd_2O_3—ZrO_2, 21:11316
Study of system Gd_2O_3—HfO_2 in region rich in hafnium dioxide, 23:8331
Study of Y_2O_3—HfO_2 system in hafnium dioxide-rich region, 24:14937
Systems Sm_2O_3—Nb_2O_5, Gd_2O_3—Nb_2O_5, Dy_2O_3—Nb_2O_5, and Yb_2O_3—Nb_2O_5 in regions rich in niobium pentoxide, 24:3042
KELIHER, T. E. Parity forbidden decay of 8.88 MeV ^{16}O state, 24:43120 (RLO-1388-569)
Parity-forbidden decay of 8.88-MeV ^{16}O state, 23:51975
KELIMBETOVA, F. K. Immediate results of treatment of bone sarcomas of limbs under conditions of local hypoxia, 24:34418
KELK, J. E. Ion current to a plane probe in a flowing plasma, 25:14249
Measurement of ion density in a plasma torch using a plane probe, 25:14250
KELKAR, D. N. Rapid method for estimating radium and radon in water, 23:35006
Size determination of airborne plutonium particles by autoscintigraphy, 25:18976
KELKAR, V. B. Interactions of electrons and muons with matter and application of ferromagnetism, 24:24297
KELL, G. S. Volume properties of water at one atmosphere, 21:14192
KELLAM, John Miles Jr. Plasma turbulence experiments, 22:13503
KELLAR, Arnold A. Fuel elements, 23:28637
KELLAR, W. Tube support damping Fort St. Vrain steam generator, 24:11095 (GAMD-9735)
KELLAR, William J. Engineering method for evaluation of steam generator vibrations, 23:26405 (GA-8292)
KELLDORF, W. F. N. Radioactive tracer survey: a comprehensive report, 24:46348
KELLEHER, D. E. Cause of the redshifts in white-dwarf spectra, 25:32925
KELLEHER, Daniel E. Determination of trace elements in platinum by isotope dilution and mass spectrometry, 23:28714
KELLEHER, Daniel F. Radiation gauge system for tubular plastic film, 25:10890
KELLEHER, Dermod Generalized transport equations for partially and fully ionized nonequilibrium gases, 22:34698
Transport characteristics of partially ionized gases, 21:39853 (SC-DC-67-1974)
Transport properties in partially and fully ionized plasmas, 23:27631 (SC-CR-68-3559)
KELLEHER, Dermond Instructions for using CRAM computer code, 21:29836 (SC-RR-66-150)
KELLEHER, R. F. F-region equatorial irregularity belt as observed from scintillation of satellite transmissions, 23:12644
Ionospheric research using satellites, 24:51493 (AD-707131)
Preliminary results of diffraction pattern measurements at Nairobi, 21:11513
Properties of ionospheric irregularities deduced from satellites, 24:37337
Scintillation fading of signals in the shf band, 25:45369
KELLEHER, Raymond F. Prog. rpt. on ionospheric research using satellites, annual, 10/67—10/68, 24:32715 (AD-689399)
KELLEHER, William J. Environmental surveillance around a nuclear fuel reprocessing installation, 24:2322
KELLER, A. Effect of crystallization conditions on radiation-induced crosslink formation in polyethylene. VI, 21:9662
KELLER, A. Z. Mathematical and computer techniques used in the Oldbury vessels, 23:11134
KELLER, Anton Some aspects of the application of nuclear energy to large civil engineering projects, 21:10496
KELLER, Bowen Eliot Analysis of depth dose data, 22:4608 (UR-49-861)
KELLER, C. Carbonato complexes of trivalent americium, 23:37963
Chelate formation and the extraction of tervalent Ac, Am, Cm, and Cf with acetylacetone and its derivatives, 23:17530
Design of first nuclear power plant with direct cycle gas turbine (Geesthacht), 22:39824
Experience with closed cycle gas turbines, 21:34090 (EUR-2757.e, pp 147-)
Extraction and complexing of Cf with 8-hydroxyquinoline and 5,7-dichloro-8-hydroxyquinoline, 24:278
Extraction of Ra, Ac, and Pa with 8-hydroxyquinoline, 21:43038
Helium gas turbine for nuclear power plants, 23:17240
Heptavalent plutonium, 23:33191
Industrial closed-cycle gas turbines for conventional and nuclear fuel, 23:45442 (CONF-670337-1)
Lattice constants of alkali—actinide(IV) fluorides, 21:3038
Li_5NpO_6, first crystalline compound with septivalent Np, and existence of septivalent Pu and Am, 23:15861
Phase equilibria in systems neptunium oxide/rare earth oxides (Ho, Er, Tm, Yb, Lu), 24:30040 (ORNL-tr-2313)
Phase equilibria in the systems neptunium oxide—rare earth oxides, 24:3037
Phase equilibria in U oxide—rare earth oxide systems, 23:22683
Preparation of actinide (+ Zr and Hf)-noble metal alloy phases by coupled reductions, 25:49389
Reactions of penta- and hexavalent neptunium and plutonium with 8-hydroxyquinoline and some of its derivatives, 22:16541
Solid chemistry of the transuranium elements, 23:19707
Solid-state chemistry of americium oxides, 22:30548
Ternary fluorides of type $Me^{2}Me^{4}F_6$ with LaF_3 structure, 22:10252
Ternary oxides of penta- and hexavalent neptunium with rare earths, 23:49777
The use of the closed-cycle helium gas turbine in atomic power plants, 23:26064
Thermal power plant with MHD generator, 22:11297
Thermodynamic quantities in the binary system Pr—O, 24:2203
KELLER, C. A. Evaluation of coated B66 Nb alloy at elevated temperatures, 22:17131
KELLER, C. F. Atmospheres of classical Cepheid variables, 24:37034
Hydrodynamic envelopes of classical Cepheid variables, 25:40161
Results of polarization observations of the outer corona from a jet aircraft, 25:45240 (LA-DC-12495)
KELLER, Ch. F. Rotational temperature of a TiO band in the spectrum of R Hydrae, 24:19601
KELLER, Charles A. Comments concerning the AEC supply agreement, 21:15823
Schedules, deliveries, and containers, 23:17700 (ORO-665, pp 161-74)
KELLER, Charles F. Semi-empirical solar line blanketing. I, 25:7072
KELLER, Charles F. Jr. Hydrodynamic atmospheres of a Cepheid variable, 25:2838
KELLER, Charles Lee Simulation of a liquid metal fast breeder reactor on a hybrid computer, 24:4037 (AD-692446)
KELLER, Cornelius Solid-state chemistry of protactinium oxides, 21:8314
KELLER, Curt Fundamentals and construction of first nuclear power plant with direct cycle gas turbine, 23:17169 (WAPD-Trans-113)
KELLER, D. L. Creep of UO_2 and UO_2—PuO_2, 23:36279
Mechanisms of swelling and gas release in uranium dioxide, 25:13785
Potential of mixed nitride (U,Pu)N as a fast reactor fuel, 24:10206
Reactor materials, 21:15795
Reactor materials, 21:20465
Reactor materials, 22:613
Reactor materials. Vol. 10, No. 4, 22:12955
Reactor materials. Vol. 11, No. 4, 23:9257
Reactor materials. Vol. 12, No. 1, 23:20463
Reactor materials. Vol. 12, No. 2, 23:45988
Reactor materials. Vol. 13, No. 1, 1970, 24:17274
Reactor materials. Volume 13, number 2, 24:44653
Reactor materials. Volume 13, number 3, 24:46693
Reactor Materials. X, 21:40706
Reactor materials: Vol. 12, No. 3, 23:41535
Reactor materials. Vol. 12, No. 4, 24:2873
Reactor materials, Vol. 11, No. 1, Spring 1968, 22:21649
Reactor materials, Vol. 11, No. 2, 22:30385
Reactor materials, Vol. 11, No. 3, 22:48791
Reactor Materials, X, 21:30215
Swelling of oxide fuels at high temperatures, 25:32798
Swelling of UC and UN at high temperatures, 25:32855
KELLER, D. V. Jr. Factors affecting the adhesion of titanium and molybdenum couples, 21:30985
Liquid—solid adhesion for system In—Al using ultrahigh vacuum techniques, 22:28059
KELLER, David Anthony Electronic heat capacity of ReO_3, 25:3956 (IS-T-383)
KELLER, Donald L. Fuel system for fast-flux pulse reactor, 21:1205 (BMI-X-10170)
Preparation and properties of UO_2, UN, and UC cermet fuels, 22:36524 (BMI-1842)
Prog. rpt. on civilian applications, 6/66, 21:447 (BMI-1778)
Prog. rpt. on civilian applications, 7—9/66, 21:18308 (BMI-1784)
Prog. rpt. on civilian applications, 10—12/66, 21:20550 (BMI-1791)
Prog. rpt. on civilian applications, 1—3/67, 21:32951 (BMI-1798)
Prog. rpt. on civilian applications, annual, 7/66—6/67, 22:602 (BMI-1809)
Prog. rpt. on civilian applications, 7—9/67, 22:15261 (BMI-1819)
Prog. rpt. on civilian applications, 10—12/67, 22:21645 (BMI-1826)
Prog. rpt. on civilian applications, 1—3/68, 22:28777 (BMI-1837)
Prog. rpt. on civilian applications, annual, 7/67—6/68, 23:1019 (BMI-1845)
Prog. rpt. on civilian applications, 7—9/68, 23:8265 (BMI-1851)
Prog. rpt. on development of fuels and technology for advanced reactors,7—9/70, 25:12795 (BMI-1893)
Prog. rpt. on development of fuels and technology for advanced reactors, 10—12/70, 25:28686 (BMI-1898)
Prog. rpt. on development of fuels and technology for advanced reactors, 1—3/71, 25:44118 (BMI-1905)
Prog. rpt. on development of materials and technology for advanced reactors, 1—3/69, 23:39015 (BMI-1862)
Prog. rpt. on development of materials and technology for advanced reactors, annual, 7/68—6/69, 24:1060 (BMI-1868)
Prog. rpt. on development of materials and technology for advanced reactors, 7—9/69, 24:10188 (BMI-1872)
Prog. rpt. on development of materials and technology for advanced reactors, 10—12/69, 24:21337 (BMI-1878)
Prog. rpt. on development of materials and technology for advanced reactors, 1—3/70, 24:34838 (BMI-1882)
Prog. rpt. on high-temperature fuels technology, 11/68—2/69, 23:25020 (BMI-1859)
Prog. rpt. on high-temperature fuels technology, 2—4/69, 23:36171 (BMI-1864)
Prog. rpt. on high-temperature fuels technology, annual, 8/68—7/69, 24:1062 (BMI-1870)
Prog. rpt. on high-temperature fuels technology, 8—10/69, 24:10190 (BMI-1875)
Prog. rpt. on high-temperature fuels technology, 11/69—1/70, 24:23503 (BMI-1879)
Prog. rpt. on high-temperature nuclear materials, 11/67—1/68, 24:23502 (BMI-1830)
Prog. rpt. on high-temperature nuclear materials, 8—10/67, 24:25761 (BMI-1823)
Prog. rpt. on LMFBR cladding, structural and component materials, 7—9/70, 25:8863 (BMI-1891)
Prog. rpt. on LMFBR cladding, structural, and component materials studies, 1—3/71, 25:40010 (BMI-1903)
Prog. rpt. on materials and technology for advanced reactors, 10—12/68, 23:20461 (BMI-1857)
Prog. rpt. on nuclear fuels, 2—4/68, 24:25762 (BMI-1839)
Prog. rpt. on nuclear fuels, 8—10/68, 23:32068 (BMI-1854)
Progress on development of fuels and technology for advanced reactors during July 1969—June 1970. Annual report, 25:6887 (BMI-1886)
Progress on high-temperature fuels technology during February—April 1970, 24:39724 (BMI-1884)
Progress on LMFBR cladding, structural, and component materials studies during July 1969—June 1970. Annual report, 25:2754 (BMI-1889)
Progress on LMFBR cladding, structural, and component materials studies during October—December 1970. Quarterly report, 25:22048 (BMI-1896)
KELLER, Douglas V. Phase equilibria and specific volumes of liquid metals and alloys, 22:12951 (NYO-2731-3)
KELLER, E. C. Jr. Xanthine dehydrogenase activity in parental and F_1 Drosophila and Habrobracon under conditions of hypogravity, 25:16028
KELLER, E. L. Effect of low-temperature deuteron irradiation on some type-II superconductors, 21:25069
Uranium hexafluoride handling procedures and container criteria, 21:255 (ORO-651)
Uranium hexafluoride handling procedures and container criteria, 21:36326 (ORO-651(Rev.1))
KELLER, Eldon L. High-resolution electronic gamma-ray imaging, 23:50136
Limitations in gamma-ray imaging, 23:38681
Optimum dimensions of collimators for gamma-ray cameras, 22:51821
KELLER, F. J. EPR identification of structure of V_1 color center in KCl, 24:10603
ESR observation of Frenkel-defect production in KCl, 24:6618
Radiation damage in ZnO single crystals, 22:17731
Recombination luminescence in NaCl, 24:35544
KELLER, F. L. Electron transport theory, calculations, and experiments, 21:21019
KELLER, F. R. Effects of fuel and experiment failures upon test reactor operations, 23:4343
KELLER, G. E. Band mixing in ^{154}Gd, 25:20441
Mixing of bands in ^{160}Dy, 24:52622
Precision gamma-ray spectroscopy on decay of ^{160}Tm, 23:31005
KELLER, G. H. Comparison of ethylene oxide and radiation sterilization of medical devices, 22:52078
Radioisotopes and oceanography, 23:29029
KELLER, George E. Use of ionic mobilities for measurements in the lower ionosphere, 22:31708
Use of ionic mobilities for measurements in the lower ionosphere, 23:3330 (AD-671608)
KELLER, George Earl Band-mixing effects in the even—even deformed nuclei ^{154}Gd, ^{160}Dy, and ^{168}Er, 25:3677
KELLER, H. Hazards and monitoring procedures in the handling of open radioactive material in nuclear installations, 25:35154
Radiation protection in veterinary practice, 23:41334
KELLER, H. J. PMR spectra of rare-earth complexes, 23:108 (UCRL-Trans-10266)
KELLER, H. L. Geometrical arrangement of radiogold preparations in tumor implants, 25:13526
KELLER, H.-J. Efficiency and cross section of cylindrical scintillators, 23:29194
Efficiency and cross section of cylindrical scintillators in axisymmetrical γ-ray fields, 23:38243 (BMwF-FBK-69-20)
Efficiency and cross section of cylindrical scintillators, 23:38288
KELLER, Hans Ludwig Dosimetry of scattered radiation from telecobalt therapy, 22:45569
KELLER, Harry B. Hydrostatic pressure cell for pressure-volume measurements to 5 kilobars, 23:33132 (UCRL-50611)
KELLER, Helmut Determination of Zr in steel, 23:45196
KELLER, Herbert B. Axisymmetric buckling of hollow spheres and hemispheres, 24:18830 (NYO-1480-132)
KELLER, Herbert W. Fuel assembly for a neutronic reactor, 22:25189
KELLER, J. Angular dependence of critical magnetic fields in superconducting films, 25:14163
Core excited states in ^{207}Bi, 24:43370
Gamma-ray monitor equipped with an alarm system for the critical point, 22:43047
Mosfet radiation dose pocket alarm monitor, 23:29185
Problem of superconductors containing polarized magnetic impurities, 24:19847
KELLER, J. H. Containment behavior of xenon and iodine under simulated loss-of-coolant accident conditions in the contamination-decontamination experiment, 25:51107 (IN-1394)
Evidence for the existence of hypoiodous acid as a volatile iodine species produced in water-air mixtures, 23:21679 (CONF-680821-, pp 342-53)
Highly efficient inorganic adsorber for airborne I species, 23:2372 (IN-1224)
Highly efficient inorganic adsorber for airborne iodine species, 23:24025 (CONF-680821-, pp 185-203)
Hypoiodous acid: an airborne inorganic iodine species in steam—air mixtures, 25:20963 (CONF-700816-(Vol.2), pp 467-81)
Inorganic adsorbers for samplers to differentiate inorganic and organic iodide species, 23:24029 (CONF-680821-, pp 354-61)
Iodine chemistry in steam air atmospheres, 25:54547
Retention of I on selected particulate filters, 21:30255 (IN-1078)

Selective adsorbent sampling system for differentiating airborne iodine species, 25:21270 (CONF-700816-(Vol.2), pp 621-34)
KELLER, J. M. BWR startup experience in 1969, 25:18069
KELLER, J. Warren Shielding techniques, 21:9640
KELLER, Jean-Pierre Kinematic study of reaction between hadrons (stable and unstable), 25:56474 (FRNC-TH-63)
KELLER, Joachim Theory of superconductors containing magnetic impurities: crystalline field effects, 25:36034
KELLER, John Howard Effect of magnetic field on discharge plasmas and ion lasers, 24:17879
KELLER, Joseph B. Perturbation theory of nonlinear boundary-value problems, 23:21031
KELLER, Joseph M. Contribution to the theory of optical reflection at a metal surface, 24:9181 (IS-2194)
KELLER, K. Behavior of fast zero-power reactors in the event of reactivity perturbations, 21:4409 (EURFNR-73-F)
Crab: device for measuring bubble density, 21:16122 (CONF-660918-, pp 151-2)
Explosion plating, 22:49700
Possibility of transfer of electricity in a thermionic convertor by negative ions, 21:23042
Report on the safety analysis of the fast sodium-cooled reactors, 24:20579 (NP-18150)
Sodium—air reactions as reactor interference event, 24:38580 (KFK-1034)
Sodium-air reaction as a reactor fault condition, 24:43787 (EURFNR-754)
KELLER, K. A. Activation analysis of oxygen by high-energy neutrons, 23:40589
Calculation of half-lives for unknown actinide isotopes, 25:41228 (LB/G-2976)
Calculation of the half lives of unknown isotopes of the actinides, 24:24549 (KFK-1059)
Decay characteristics of Gd isotopes ^{143}Gd and ^{144}Gd, 23:7297
Half-life for neutron deficient actinide isotopes, 25:15162
Systematics of half lives of actinides and decay of ^{235}Pu, 25:53746 (KFK-1393)
KELLER, K. F. W. German contribution to D_2O moderated reactors, 23:13436
KELLER, Karl Fuel disintegration effects on fast reactor excursions, 21:12178
KELLER, Karl B. A fast buffer memory for particle physics, 24:39267
KELLER, Keaton Nuclear explosives engineering at the Univ. of Arizona, 24:27275
KELLER, L. G. Analyzing power of reaction ^{7}Li(p,α)^{4}He for polarized protons from 3 to 10 MeV, 22:26848
Asymmetry of protons from break-up of vector-polarized deuterons on ^{4}He, 25:50628
Description of a Lamb-shift polarized ion source installed on a tandem accelerator, 22:5698
Helium-3(d,d)^{3}He and ^{3}He(d,p)^{4}He with vector-polarized deuterons between 4 and 10 MeV, 23:39931
Polarization in deuteron—deuteron elastic scattering between 8 and 12 MeV, 24:3515
Vector polarization and phase-shift for d-α scattering, 25:17692
KELLER, L. L. Apollo Lunar Radioisotope Heater safety evaluation, 23:40947 (SC-DR-69-362)
KELLER, L. L. Jr. Evaluation of Project Firescan as RTG heat source search and detection system, 24:25215 (SC-DR-70-152)
SNAP-27 fuel capsule assembly radiant heat tests, 23:21897 (SC-DR-69-60)
Task 8 fuel capsule impact tests, 25:15843 (SC-DR-70-127)
Worldwide correlation of soil and population, 25:26429 (SC-R-710021)
KELLER, Leon Gregory The scattering and breakup of vector polarized deuterons on helium, 25:20263
KELLER, Lewis Porter Spark chamber measurement of Σ^+ lifetime, 25:22684
KELLER, Lorenz Nature of resistance effect appearing after radiation. IV, 23:29810
Nature of resistance effect following radiation. III, 22:40750
Transfer of the resistance effect appearing after irradiation. II, 21:22657
KELLER, M. Health physics measures for open handling of radioactive materials, 24:36747 (JUL-603-ST, pp 157-74)
Prog. rpt., 1969, 25:32431 (JUL-670-ST)
Report of 1967 work of the central department of radiation protection, 23:31800 (JUL-543-ST)
KELLER, M. Dean Geologic studies and material properties investigations of Mesita de Los Alamos, 23:5723 (LA-3728)
Ground vibration characteristics of Mesita de Los Alamos, 21:34348 (LA-DC-8718)
Ground vibration characteristics of Mesita de Los Alamos, 23:9585
KELLER, M. R. Status report on NERVA nuclear rocket, 24:52979
KELLER, Maria Acute radiation injury and enzyme activity, 21:8711
KELLER, N. De-excitation γ-rays in ^{15}N and ^{15}O, 25:14896
KELLER, N. A. Measurement of photoalpha angular distributions, 24:30652
KELLER, N. K. Facility for charged photoparticle experiments, 24:47541
KELLER, O. A. Modulated exponential decay in a two-level quantum system, 24:8356
KELLER, O. L. Jr. Actinide and transactinide elements production and research at Oak Ridge, 25:39024
Ion exchange of Pa(V) in HF solutions, 21:8418
Predicted properties of the super heavy elements. I, 24:18948
Prospects of transuranium isotopes as neutron sources, 23:13178 (CONF-671111-, pp 545-58)
Raman and absorption spectra of protactinium fluoro complexes, 21:8319
Recent advances in the United States on the transuranium elements, 25:38967 (A/CONF.49/P-841)
KELLER, O. Lewin Jr. Crystal structure of rubidium hexafluoroprotactinate(V), $RbPaF_6$, 23:45275
KELLER, R. Plasma confinement in an alternating-current polyhedric system, 21:7179
π^-p elastic scattering near 180° between 600 and 1280 MeV/c, 25:47746
Time-space resolved spectroscopic measurements on a fast z-pinch, 25:56150 (LGI-70/14/E)
KELLER, R. F. Method for complete definition of programming languages, 25:1999 (IS-2410)
KELLER, R. M. HYPFIL: program for investigation of process parameters in single-stage hyperfiltration processes, 2/10/70, 24:16773 (Y-1699)
KELLER, Robert Work of a research laboratory on plasma physics, 21:3811
KELLER, Robert A. Reggeization of spinor in Yang—Mills theory, 25:1605
KELLER, Ronald J. Effective attenuation in water of gamma rays of ^{198}Au, ^{192}Ir, ^{137}Cs, ^{226}Ra, and ^{60}Co, 22:33827
KELLER, Roy A. Determination of water in deuterium oxide/water mixtures, 23:40568
KELLER, Seymour P. Proceedings of the Tenth International Conference on the Physics of Semiconductors, Cambridge, Mass., 8/17—21/70, 25:3185 (CONF-700801)
KELLER, W. 1200 MW Biblis nuclear power plant, 24:4021
Experience gained in operation of three demonstration nuclear power stations in Federal Republic of Germany, 25:53957 (A/CONF.49/P-806)
Gas-cooled thermo-nuclear reactor, 24:22384
Light or heavy water PWRs, 22:53339
Nuclear 340-MW power station Atucha with Siemens natural uranium PWR, 23:1982
Nuclear power station Stade 660 MW with Siemens PWR, 22:12039
Progress with water-cooled reactors. I, 24:52855
Reactor with moderator level control and xenon overriding, 22:53293
Safeguarding fissile material flow at strategic points in power reactors, 23:43117 (KFK-803)
Stade nuclear power station, 23:13383
KELLER, W. E. Miscellaneous observations on film flow, 22:50094 (LA-DC-9731)
Oscillations and dissipation in the flow of helium film, 24:32789
Persistent currents in doubly connected superfluid helium, 21:15080
Potentiometer for studying the liquid He II film, 21:2147
Thermal conductivity of ^{4}HeI near lambda-line and of ^{3}He near liquid-vapor critical point, 22:44020 (LA-DC-9703)
Thickness of static and moving saturated He II film, 24:19843
KELLER, W. H. Controlled fabrication of Nb superconductive tunnel junctions, 25:45420
KELLER, William E. Helium-3 and ^{4}He, 23:32276
KELLER, Wolfgang Pressurized water reactors, 22:48692
Pressurized water reactors, 23:13378
KELLERER, A. Analysis of dose—effect relations, 21:12873
Stochastics of radiation effects, 21:13018
KELLERER, A. M. Calculation of energy deposition spectra, 22:38803
Maximum permissible interpretation dose-effect relations, 21:22422
Microdosimetry and the theory of straggling, 24:14499
Parameters of track structure, 25:22584
Summary of quantities and functions employed in microdosimetry, 24:44487 (EUR-4452, pp 843-53)
KELLERER, Albrecht M. Analysis of patterns of energy deposition, 24:44477 (EUR-4452, pp 107-35)
Assessment of wall effects in microdosimetric measurements, 25:55058
Random factors in the survival curve, 23:48188
RBE and the primary mechanism of radiation action, 25:49105
KELLERER, H. Composite aluminium alloys, 24:19485
Creep behavior of SAP alloys, 24:27842
Production and properties of Al—Al_2O_3 dispersion strengthened alloys from thin sheets, 22:728 (EUR-3497)
Strain-induced phase transformations in Ti-6Al-4V, 25:11453
Time/temperature dependence of hardness of dispersion-strengthened aluminum alloys, 22:49740
KELLERER, H. G. Determination of optimum diffusion welding temperatures for Ti—6Al—4V, 24:29966
KELLERER, Helmut Deformation of titanium by surface oxidation, 25:16446
KELLERER, L. Modulated electron spectrum of light scattered by a magnetized arc plasma, 24:15375
KELLERER, Leonhard Measuring magnetic fields in plasmas by means of light scattering, 25:1183
KELLERMANN, E. W. Electromagnetic component of large air showers, 24:28132
KELLERMANN, H. J. Neutron detection efficiency of the liquid scintillator NE 214 in the MeV range, 25:37595
KELLERMANN, K. I. Compact radio source in nucleus of M87, 24:4970
Compact radio source in nucleus of M 87, 24:17490 (AD-696119)
Flux density and spectra of radio sources at centimeter wavelengths. II, 23:30241
Flux density of discrete radio sources at centimeter wavelengths. I, 22:52431
Further observations of variable radio sources, 22:29006
High-resolution interferometry of small radio sources using intercontinental base lines, 22:49880
High-resolution observations of compact radio sources at 13 centimeters, 24:46928
High-resolution observations of compact radio sources at 6 and 18 centimeters, 25:52553
High-resolution observations of small-diameter radio sources at 18-centimeter wavelength, 22:49942
High-resolution radio interferometry at 610 MHz, 24:23642
Interpretation of radio-source spectra and the evolution of radio galaxies and quasi-stellar sources, 21:6924
Millimeter-wavelength spectra of extragalactic radio sources, 25:40250
Radio interferometry using a base line of 20 million wavelengths, 22:41182
Radio observations of the infrared object IRC 10216, 25:30090
Radio source counts and spectral index distribution, 22:52375
Repeated outbursts in radio galaxy 3C 120, 22:36685
Search for radio emission from blue stellar objects and Seyfert galaxies, 21:3593
Spectra of opaque radio sources, 23:14503
Spectra of radio sources in the revised 3C catalogue, 23:39177
Structure and evolution of extragalactic sources, 23:51230
Variable radio sources, 22:45865
Variations in the flux density of some quasi-stellar sources, 21:18385
Variations in the radio-frequency spectra of 3C 84, 3C 273, 3C 279, and other radio sources, 21:6923
KELLERMANN, O. Analysis of safety for water-cooled reactors, 22:18448
Inspection of reactor pressure vessels in Germany, 22:30799
Is it necessary to build nuclear power stations close to areas of energy consumption, 24:11099 (IRS-T-16(1969), pp 13-25)
Nuclear guidelines and standards, 22:22722
Reactor safety and approval procedures, 23:19448
Reactor safety in Federal Republic of Germany, 24:52952
Reactor safety in the Federal Republic of Germany, 25:54145 (A/CONF.49/P-364)
Technical safety measures and precautions, 25:26011
KELLERMANN, O. A. Probability analysis applied to LWR's. II, 24:50064
Reliability study of pressure vessels, 24:29011
KELLERMANN, Otto Safety of nuclear energy plants in Germany, 22:48704
Safety reviewing of atomic energy establishment, 23:13526
KELLERMANN, Otto A. Licensing and inspection procedures for nuclear power plants in the Federal Republic of Germany, 24:22365
KELLERS, C. F. Megawatt solid-state inverter to power the Cornell 10 GeV electron synchrotron, 21:38054
KELLERSHOHN, C. Application of /sup 99m/Tc for scintigraphic studies of pulmonary circulation, 25:11128
Automatic determination of several trace elements in biological media by radioactivation analysis, 22:25250
Comparison of albumin and macroaggregated albumin labeled with /sup 99m/ Tc and ^{131}I, 24:25517
Comparison of thyroid images obtained by a conventional scintigraphic device and by a spark chamber camera, 25:49228
Contribution to development of new renal, pancreatic, thyroid, and cardiac radioisotopic exploration techniques, 25:52130 (A/CONF.49/P-631)
Detection and determination of left—right shunts by isotope dilution curves, 24:12163
Dosimetric study of a collimated beam of thermal neutrons, 23:50536
Effect of radioprotectors in electroretinography, 23:16349
Estimating thyroid iodine by activation analysis in vivo, 23:4989
Estimation of thyroid iodine content by the occupancy principle, 23:33166
Estimation of thyroid iodine in vivo by activation analysis, 21:35894
Hemodynamic study of diseases of the aortic orifice by isotope dilution curves, 23:29642
Interest in nuclear indicators of short physical half-life in the study of cardiac hemodynamics, 22:25937
Measurement of rapidly exchangeable compartments by rate of exchange and transfer of Mg by means of ^{28}Mg in normal and pathologic adult, 22:25774
Mineral metabolism studies by neutron activation, 25:6283
Neutron activation determination of selenium in biological media, 25:10495
Neutron capture gamma radiations for analysis of biological samples, 24:115
Neutron-capture gamma analysis, 23:24133
Nuclear indicators of short physical half life in cardiac hemodynamics, 23:35806
Prompt-neutron activation analysis, 25:39454
Renal uptake of ^{197}Hg for testing the functional value of each kidney, 24:32092
Scintigraphic detection of malignant tumors with $^{197}HgCl_2$, 23:2862
Spark chambers and image intensifiers, 24:33900
Study of iodine kinetics in man, 25:6601
Theoretical and experimental study of the subtraction of two scintigraphic images, 23:48153
Use of radioactivation analysis in medicine, 23:4577
Visualization by image intensifier of radioactive indicator flow through the cardiac chambers and the large vessels, 25:11120
KELLERSHOHN, Claude Electronic analog simulator of radiocardiograms, 22:21372 (CEA-R-3363)
Isomer /sup 130m/I, 21:46733
Isomer /sup 130m/I, 21:46734
Measurement of the coronary flow by radiocardiography, 25:35085

  - Pulmonary scintigraphy, 23:20274
  - Study of coronary circulation by means of ^{86}Rb, 25:32318
- KELLETER, H. Isolated lymphogranulomas of the stomach, 25:13541
- KELLETT, B. H. $\Delta I = 1/2$ rule and K $\to 3\pi$, 25:47808
  - Finite-energy sum rules and the generalized interference model, 24:49482
  - Fit to high-energy pion photoproduction, 25:9727
  - General fermion—fermion scattering in the covariant formalism, 22:46356
  - General scattering process PV $\to$ VV and superconvergence, 22:15771
  - Limitation on the use of current algebra techniques for meson decays, 21:40214
  - Survey of $\Delta I = {}^1/_2$ rule in K $\to 3\pi$ decay, 25:22763
  - Three-pion decays of K and eta and current algebra, 25:1476
  - Violation of $\Delta I = {}^1/_2$ rule in K $\to 3\pi$ decay, 24:52051
- KELLETT, D. I. Iterative procedure for evaluating Z-velocity dispersions from a galactic mass model, 22:36619
- KELLETT, E. A. Changes in the structure of graphite on irradiation under restraint, 22:15265
  - Crystallographic characteristics of carbons derived from cellulose and hemi-cellulose, 22:19611
  - Reactions of carbon constituents during graphitization, 22:4862
- KELLETT, Frank Improvements relating to thermoelectric generators, 21:24959
- KELLEY, Bernard Joseph McLain Jr. Effects of salinity and ionizing gamma irradiation on developmental stages of anthurid isopod, Cyathura polita, 24:23303 (ORO-2412-26)
- KELLEY, C. M. High-temperature thermoelectric material limitations, 22:19837
- KELLEY, C. T. Jr. Proton polarization in ^{28}Si(d,p)^{29}Si reaction, 24:24535
  - Proton polarization in the reaction ^{40}Ca(d,p)^{41}Ca, 24:24536
- KELLEY, Charles Thomas Jr. Proton polarization in the ^{40}Ca(d,p)^{41}Ca reaction, 23:1849
- KELLEY, D. M. Maps of vertical F layer drifts caused by horizontal winds, 25:27588
- KELLEY, E. L. Jr. CAPCOST: program to calculate escalated nuclear power plant capital costs, 22:42167 (BNWL-822)
  - PHYSICS CHAIN, a reactor analysis code, 1107 Manual, 21:27825 (BNWL-413)
  - TAP-LOOP: stable thermal analyzer code for thermal analysis of closed hydraulic systems, 24:13592 (BNWL-1172)
  - TRANCO: computer program for estimating cost of electrical power transmission, 22:39952 (BNWL-743)
- KELLEY, E. W. Manufacturing process for U-700 alloy thin gage sheet, 25:22028
  - Plastic deformation of magnesium, 21:26837 (NP-16702)
- KELLEY, G. G. Conceptual design of ORMAK facility, 24:12848 (ORNL-TM-2821)
  - DCX-2 microinstability studies, 22:52827 (CONF-671127, pp 98-143)
  - Effect of finite plasma length ion cyclotron instabilities, 23:25378
  - Effect of microinstabilities on a hot-ion plasma, 23:32466
  - Effect of the ion emission surface on the optical properties of ion beams, 23:13156
  - Energetic-particle injectors for plasma physics experiments, 23:34464 (ORNL-4401, pp 176-81)
  - Engineering problems in production and use of intense dc ion beams, 21:31197 (CONF-661016, pp 325-31)
  - Feasibility study of a Thomson scattering measurement of the poloidal magnetic field in the ORMAK-II, 25:1173 (ORNL-TM-3093)
  - High-current beam production and injection, 21:13349 (ORNL-4063, pp 88-93)
  - High-current ion beam production and injection, 22:31598 (ORNL-4238, pp 116-20)
  - Instabilities due to magnetic field spatial variations, 22:50211
  - Ion source development for thermonuclear research, 24:45277
  - Neutral beam ion heating in ORMAK II, 24:37428 (ORNL-TM-3076)
  - Oak Ridge Tokamak research, 25:38493 (CONF-710607-26)
  - Technology of intense dc ion beams, 21:19102
- KELLEY, G. M. Mass meter for an electromagnetic isotope separator, 21:12589
- KELLEY, George G. Duoplasmatron-type ion source including a gas reservoir, 24:49195
  - High current dc ion beams, 21:18409 (ORNL-P-2911)
  - Ion generator having beam stabilization accelerating electrodes, 21:39112
- KELLEY, H. L. Automatic sample changer for solid state alpha-spectroscopy, 23:22059
  - Low-level counting by liquid scintillation. I, 23:17764
  - Tritium air monitor, 23:21935 (CONF-680821-, pp 228-34)
  - Tritium monitor based on scintillation, 23:16112
- KELLEY, H. M. Graph of curies versus half-life for all radionuclides, 22:18331
- KELLEY, J. Daniel Calculations on collisional energy transfer to diatomic molecules, 24:49030
  - Intra- and intermolecular vibrational de-excitation in impulsive atom—diatomic molecule collisions, 25:999
- KELLEY, James C. Hierarchical analysis of variance of shelf sediment texture, 23:43244 (RLO-1725-155)
- KELLEY, John E. Joining refractory metal compounds by hot pressing, 23:12391 (BM-RI-7225)
- KELLEY, John P. Beam quality measurements in diagnostic roentgenology, 25:52136
  - Radiation instrument calibration system, 24:12476
- KELLEY, Joseph G. Energy transfer from a test electron to a collisionless plasma, 21:3835 (AD-641639)
- KELLEY, Joseph M. Radiation sterilized, thiodipropionic acid ester stabilized, propylene polymers, 25:15653
- KELLEY, Joseph Matthew Shaped articles comprising radiation sterilized polymers, 24:16555
- KELLEY, M. C. Electric field component of waves in auroral ionosphere, 24:42565
  - Electric fields in the nighttime and daytime auroral zone, 25:55960
  - Operation of dc electric field detector, 25:9301
  - Relationship between magnetospheric electric fields and the motion of auroral forms, 25:47400
- KELLEY, M. D. BICYCL: computer code for two-dimensional analysis of equilibrium fuel cycles, 24:22405 (GEAP-13556)
  - BISYN: two dimensional synthesis program, 21:12140 (GEAP-4922)
  - BISYN-PERT: two-dimensional perturbation module for BISYN system, 24:13636 (GEAP-10046)
  - Multigroup, two-dimensional synthesis calculations for fast power reactors, 22:6012
  - SYN: operational aspects of the combined BISYN, PERT, and BICYCL synthesis codes, 25:37112 (GEAP-13672)
- KELLEY, M. J. Nonelectric cathode heating, 24:31763
- KELLEY, Michael Charles Auroral zone electric field measurements on sounding rockets, 25:24971
- KELLEY, Miquel C. Search for the O$^+$ member of the two-phonon triplet in ^{110}Cd, 24:38277
- KELLEY, Myron T. Applications of gas chromatography in nuclear technology, 22:33257
  - Current capabilities in analysis of trace substances: electroanalytical methods, 21:38876 (ORNL-P-3261)
- KELLEY, P. L. Effects on the propagation of optical beams due to self-induced changes in index of refraction, 25:37250 (UCRL-20541)
- KELLEY, Ralph E. Polarization of radiation from molecules excited by electron impact, 22:41304
- KELLEY, Ralph W. Calibration of shock accelerometers, 21:35808 (SC-DC-67-1785)
- KELLEY, Richard D. Isotope effects in the hydrogen-atom addition to olefins at low temperatures, 25:10538
- KELLEY, Richard David Hydrogen atom addition to olefin molecules at cryogenic temperatures, 22:27728
- KELLEY, Timothy G. Spin-dependent effects on the differential cross section and polarization for the (α,N) reaction, 21:46833
- KELLEY, W. D. Determination of ^{3}H and ^{85}Kr in aqueous samples by liquid scintillation techniques, 22:12234
- KELLEY, W. H. Control of brine heater leakage in large dual purpose nuclear desalting plants, 22:30289 (ORNL-TM-2049)
  - HFIR fuel plate deflections induced by temperature and pressure differentials, 23:6025 (ORNL-TM-2325)
  - Partial investigation of fuel channel spacers for HFIR-type fuel element, 23:2133 (ORNL-TM-2332)
  - Three-quasiparticle multiplets in nuclei below N = 82, 24:43412
- KELLEY, W. H. Jr. Brine-heater leakage-control problems, 23:28595
  - Nuclear dual-purpose power-desalination plant, 22:32955
- KELLGREN, R. Measuring device for thermoluminescence dosimetry, 22:8547
  - Portable ^{90}Sr—^{90}Y applicator with interchangeable plastic shunt for extracorporeal blood irradiation, 25:46938
- KELLIE, J. D. Small digital computer as 150,000 channel, two parameter, analyzer, 23:38380
- KELLIHER, J. M. Magnet controller for a type 103 mass spectrometer, 24:11874
- KELLIHER, Maurice G. Applications of linear accelerators in nuclear industry, 23:39859 (CONF-681064-3)
- KELLINGTON, S. H. Nuclear magnetic resonance in dilute alloys of lithium, 21:23267
- KELLMAN, S. Description of generation of data decks by ETOG-1 for use in creating MUFT and GAM libraries, 24:24555 (WCAP-3845-2)
  - ENDT: FORTRAN program to prepare cross-section data for UNC-SAM-3 from ENDF/B tapes, 24:35796 (AD-701757)
  - ETOG-1: program to process data from ENDF/B file to MUFT, GAM, and ANISN formats, 24:14355 (WCAP-3845-1)
  - Evaluation of some nuclear calculational methods for use in plutonium recycle, 21:38480
  - MCR shield spectrum generator, 22:32919 (GMAD-3078-22)
  - Monte Carlo calculations of the thermal utilization and disadvantage factor in U and/or Pu H_2O lattices, 21:8105
- KELLMAN, S. A. Mean absorption coefficients for particles of ice, graphite, and SiO_2, 23:48601
- KELLMAN, Sanford A. Scanner observations of the lambda 4430 diffuse interstellar feature, 25:11651
  - Studies in stellar evolution. IX, 24:19575
- KELLMAN, Sanford Alan Equilibrium and stability of the gaseous component of the Galaxy, 25:45275
- KELLNER, G. Influence of degradation products of irradiated glucose solutions on human fibroblasts. I, 23:29345 (SPR-10)
  - Influence of irradiated and non-irradiated glucose solutions on human fibroblasts, 23:24506 (SPR-9)
- KELLNER, James J. Desk computers in nuclear medicine, 23:50669
- KELLNER, M. Analysis of radioactive and stable isotopes of H, C, N, and O, 23:28728
- KELLOFF, Gary Inactivation of murine sarcoma and leukemia viruses by ultra-violet irradiation, 25:13609
- KELLOGG, E. Discovery of periodic x-ray pulsations in Centaurus X-3 from Uhuru, 25:43055
  - Location of Cygnus X-1 and Cygnus X-2, 25:24763
  - Strong x-ray source in Coma cluster observed by Uhuru, 25:43056
  - X-ray observations of GX 17 + 2 Uhuru, 25:47247
  - X-ray observations of the Virgo Cluster, NGC 5128, and 3C 273, 25:24761
  - X-ray scan of the galactic plane from Uhuru, 25:24762
- KELLOGG, E. M. A zero-crossing pulse shape discriminator for space applications, 21:32438
  - Detection of x rays from the Seyfert galaxies NGC 1275 and NGC 4151, 25:24819
  - Directional neutron detector for rocket and satellite experiments, 21:32449
  - Location of x-ray source in Vela, 23:5145
  - Reaction ^{11}C(^{3}He,α)^{11}C and elastic scattering of ^{3}He from ^{11}C at 12, 15, and 18 MeV, 21:9938
  - Spectrum of diffuse cosmic x rays, 1 to 13 keV, 23:22759
  - X-ray characteristics of three supernova remnants, 24:23644
  - X-ray survey of Cassiopeia region and its implications concerning supernova remnants and the galactic source distribution, 24:35068
- KELLOGG, Edwin Manville Reaction ^{11}C(^{3}He,α)^{11}C, 21:17313
- KELLOGG, Forest E. Determination of a ^{60}Co LD/sub 50 (30)/ for cotton rat, 22:49518
- KELLOGG, L. G. Flight reactor materials development, self-weld studies, 23:30041
  - SNAP 8 reactor bearing development, 21:38649
  - Snap 8 reactor bearing development, 22:3883
- KELLOGG, L. S. Comparison of measured and calculated integral fluxes and spectra in a pressure vessel mockup, 25:6213
  - EBR-II dosimetry test reaction rate measurements (reactor runs 31E and 31F), 25:12773 (BNWL-1403)
  - Neutron dosimetry studies in EBR-II, 24:7089
  - Neutron energy dependent cross section evaluation by a multiple foil activation method, 25:36741 (WHAN-SA-107)
  - Selection of fission yields, 25:5973
- KELLOGG, M. P. Parasitic use of an on-line computer-based data system, 24:8772 (CONF-690301-, pp 367-74)
  - Particle identification utilizing an on-line computer, 23:21962
- KELLOGG, P. J. Controlled experiment on wave—particle interactions in the ionosphere, 25:35967
- KELLOGG, R. B. Difference equations for the neutron diffusion equations in hexagonal geometry, 21:7640 (WAPD-TM-645)
  - Elliptic difference equations on a convex domain, 21:35828 (WAPD-TM-692)
  - Estimating optimum acceleration parameters for use in successive overrelaxation, 21:13787 (WAPD-TM-592)
  - Singular difference approximations for the discrete ordinate equations in x—y geometry, 21:40061
- KELLOGG, R. Bruce Poisson equation with intersecting interfaces, 24:41123 (ORO-3443-22)
- KELLOGGI, E. M. Large area beryllium proportional counters, 24:39250
- KELLS, D. I. C. Direct determination of crosslinking and chain scission in polymers, 23:6156
- KELLS, K. E. Microcircuit hardening study, 21:6396
  - Transient radiation response mechanisms in microelectronics, 21:6395
- KELLSTROEM, K. Effect of zirconium carbide on $\beta \to \alpha$ transformation structure in Zircaloy, 24:42157
- KELLUM, M. J. Definition of thymic-dependent areas in the peripheral lymphoid tissues of rabbits, 24:41971
- KELLY, A. Deformation of polycrystalline transition metal carbides, 21:28821
  - Electron microscopy of pyrolytic graphite, 22:43662
  - Influence of B on the clustering of radiation damage in graphite. I, 23:34120
  - Influence of B on the clustering of radiation damage in graphite. II, 23:34121
  - Properties of single crystals of Cu containing BeO particles, 23:30159
- KELLY, Arnold J. Magnetoplasmadynamic thrustor for space applications, 22:36909 (N-68-16396)
  - Neutron radiographic study of limiting planar heat pipe performance, 24:36469
- KELLY, B. T. Annealing of irradiation damage in graphite, 21:533
  - Approximate theory of the hexagonal axis expansion coefficient of imperfect graphite crystals, 24:42262
  - Effect of defects on thermal conductivity of graphite, 21:33023
  - Effect of doping on the thermal conductivity of polycrystalline graphite, 25:55635
  - Effects of reactor radiation on concrete, 25:30022 (EUR-4531, pp 237-65)
  - Elastic properties of a graphite crystal, 24:21431
  - Irradiation damage in carbons and graphites appropriate to MK II Gas Cooled Reactors and to MK III Gas Cooled Reactors, 25:52469 (A/CONF.49/P-503)
  - Irradiation damage to solids, 21:513
  - Irradiation effects on concrete, 23:10319
  - Mechanical properties of reactor graphite, 22:11098
  - Radiation annealing in graphite, 24:14980
  - Strength and fracture of graphite, 21:13293
  - Theory of the effect of crystallite boundaries on the principal thermal conductivities of highly oriented graphite, 22:28939
  - Thermal annealing of pyrolytic graphite irradiated with fast neutrons at 40°C, 24:17399
  - Thermal conductivities of highly oriented graphite, 22:52291
  - Thermal conductivity of fast neutron irradiated graphite, 24:1106
  - Thermal conductivity of graphite, 21:39675
  - Thermal conductivity of pyrolytic graphite, 23:36229
  - Thermal expansion of a graphite crystal, 24:27831
  - Thermal vibration amplitudes of carbon atoms in the graphite lattice, 24:14914
- KELLY, Brian Thomas Graphite structures in nuclear reactors, 22:39942
  - Improvements relating to graphite structures in nuclear reactors, 22:25177
- KELLY, C. R. Jr. Westinghouse LMFBR program, 24:16143
- KELLY, D. P. Apollo lunar radioisotopic heater, 23:29093 (MLM-1637)

Design and fabrication of the ALRH, 24:5812
Radioisotopic heat source on the moon, 24:29457
KELLY, D. T. Reaction ^{9}Be(p,d)^{8}Be, 24:43157
KELLY, Don Diffusion: a relativistic appraisal, 22:34575 (AD-662908)
Electrical conductivity of a relativistic plasma, 22:34628 (AD-662904)
Locally Maxwellian distributions in a relativistic gas, 22:34629 (AD-662906)
Locally Maxwellian distributions in a relativistic gas, 23:25339 (BMwF-FBK-69-3, pp 15.1-30)
Microwave harmonics in a plasma: a survey, 22:34630 (AD-662909)
KELLY, Don C. Collision operator for relativistic Lorentz gas, 23:23154
KELLY, Donald P. Protected radioisotopic heat source, 25:29276
KELLY, E. A. Effect of pulsed ionizing radiation on laser action in YAG:Cr—Nd, 24:41718
KELLY, E. L. Jr. ISOSHLD-II: code revision to include calculation of dose rate from shielded bremsstrahlung sources, 21:27223 (BNWL-236(Suppl.1))
KELLY, E. M. Superconductivity in hexagonal tungsten bronzes, 21:27090
KELLY, F. J. Inelastic photopion production with excitation of giant resonance analogs, 24:52435
KELLY, F. L. Development of diagnostic methods for seeded air and nitrogen plasmas, 23:34381 (AD-679530)
Spectral diagnostic method for determining internal properties of asymmetrical plasmas, 24:3303 (AD-692511)
Spectroscopic observations on induction-coupled plasma flames in air and argon, 22:22127
Temperature measurements in 50-MW EGD facility, 25:16865 (AD-713672)
KELLY, F. M. Isotope shift in the second spectrum of Ba, 22:9027
Polarization of light emitted by an atomic beam of barium under electron bombardment, 21:27003
KELLY, F. R. Curium-250 production in a high-flux reactor, 21:38296 (ANL-7330)
Half-lives of ^{245}Cm, ^{246}Cm, ^{248}Cm, ^{250}Cf, ^{251}Cf, and ^{249}Cf, 23:23717
KELLY, Francis J. Electroexcitation of giant resonance in ^{12}C, 23:7231
Inelastic photopion production, 24:11029
Neutrino excitation of giant resonance in ^{12}C, 21:35425
Neutron emission following muon capture and radiative pion capture in ^{12}C, 22:50555
KELLY, Francis Joseph Neutrino absorption in ^{2}H and ^{12}C, 21:46526
KELLY, Frank L. AEC licensing requirements for operators of nuclear plants, 23:37423
Operator licensing and nuclear plant simulators, 24:18523
Simulators and operator licensing, 24:49982
KELLY, G. M. Vanishing knight shift in superconductor aluminum, 21:15078
KELLY, G. N. Nature of cosmic rays underground, 22:41388
Precision of time of flight measurements, 25:35020
Search for heavy mass particles in the sea level cosmic radiation, 23:30708
Search for low energy muons produced directly by neutral cosmic rays, 24:15442 (CERN-69-28, pp 141-4)
Search for relativistic quarks in the cosmic radiation, 22:48204
Spectrum of cosmic-ray neutrons at sea level in range 0.4 to 1.2 GeV, 25:38181
Technique of mass determination of slow cosmic ray particles using a large aperture range telescope, 25:49005
KELLY, Gordon R. Retina damage by laser radiation, 23:33858
KELLY, H. J. Niobium alloy development with B, Hf, and W, 24:29934 (BM-RI-7388)
Niobium alloy development with B, Hf, and W, 25:27227
KELLY, H. P. Many-body perturbation theory applied to molecules, 23:44164
Perturbation theory with Hartree—Fock states, 21:37172
KELLY, Hal J. Columbium and tantalum alloy development, 23:8127 (BM-RI-7211)
Joining refractory metal compounds by hot pressing, 23:12391 (BM-RI-7225)
Phase relations in UC region of U—C—O at 1,700°C, 21:28835 (BM-RI-6968)
Properties of cast columbium carbide—carbon alloys, 25:22148 (BM-RI-7479)
KELLY, Henry C. Kinetics and mechanism of the morpholine—borane reduction of methyl alkyl ketones, 24:36251
Kinetics and mechanism of trimethylamine—haloborane hydrolysis, 24:29248
KELLY, Hugh Hyperfine contact interaction in the iron atom calculated by many-body theory, 24:33608 (TID-25435)
KELLY, Hugh P. Correlation structure in atoms, 23:22918
Frequency-dependent polarizability of H_2 calculated by many-body theory, 24:17642
Many-body perturbation-theory calculation of atomic polarizabilities, 21:7018
Optical potential and inelastic scattering of electrons by atoms, 22:13232
Optical-potential calculation of electron—hydrogen singlet scattering, 22:38786
Use of the optical potential for elastic scattering of electrons by atoms, 21:37155
KELLY, J. C. An accurate sputtered spot pattern monitor, 21:23007
Angular distribution of atoms sputtered from monocrystalline gold, 21:33172
Bremsstrahlung spectrum of energetic β particles traversing single crystals in lattice-directed trajectories, 25:27832
Energy distributions of low-energy electrons scattered from [100] faces of NaCl and KCl, 21:16985
Lattice-directed trajectories of negatively charged particles, 23:12975
New method of surface potential measurement, 22:3184
Slow-electron-induced defects in alkali metal halides, 22:22240
Weaving and blocking of energetic electrons, 24:42793
KELLY, J. C. R. Jr. A prototype plant will prove the fast breeder reactor concept, 22:35504
Fast Flux Test Facility for developing breeder reactor technology, 24:43823
FFTF-Fast Flux Test Facility for developing breeder reactor technology, 24:38608
Westinghouse 1000-MWe follow-on study, 23:47165 (ANL-7520(Pt.2), pp 388-416)
KELLY, J. G. Axially dependent equilibria for a relativistic electron beam, 25:41156
Magnetic Compton spectrometer for high intensity pulsed gamma ray environments, 25:57813
KELLY, J. J. Review of power supplies leading to consideration of nuclear power stations, 24:13502
KELLY, J. L. Preparation of thorium dicarbide and uranium—thorium dicarbide spheres by a sol-gel process, 22:49788
KELLY, J. M. Models of seasonal primary productivity in eastern tennessee festuca and andropogon ecosystems, 23:37856 (ORNL-4310)
KELLY, J. P. Pathfinder Atomic Power Plant two-phase level measurements and steam dryer efficiency measurements, 21:25614 (ACNP-67517)
Superheater fuel thermocouple calibration and radiation cooling tests, 21:12117 (ACNP-66570)
KELLY, J. T. Two-phase critical flow under diabatic conditions, 24:374
KELLY, J. W. Creep of isostatically-pressed beryllium oxide, 21:34878 (AAEC/E-176)
DIFFCO: computer code for calculating diffusion coefficients, 23:19900 (AAEC/TM-486)
Solid state diffusion, 25:35440
Temperature and porosity dependence of modulus of rigidity and Poisson's ratio of beryllia, 22:19621 (AAEC/TM-402)
Turbo-molecular pump, 23:50104
Vacuum hot-press for toxic materials, 23:17652
KELLY, James L. Radiation-induced graft polymerization of methyl methacrylate and cellulose, 23:49842
Radioinduced polymerization of methyl methacrylate, 24:22682
KELLY, John C. R. Jr. Good breeding: how will future power needs be provided, 22:35508
KELLY, John G. Implications of a model of charge-neutralized, high-current relativistic electron beams within conducting boundaries on diode and transport system design, 25:56596 (SC-RR-710436)
KELLY, John J. Prediction and measurement of effect of chelating selectivity on precipitation reactions, 21:1342
Strontium-90 and ^{137}Cs measurements of large volume sea water samples, 22:27938 (HASL-196)
KELLY, John Joseph Improvements in heat exchange apparatus, 24:22402
KELLY, John S. Future of Plowshare, 24:33820
The future of plowshare, 24:41470 (CONF-700101-(Vol.1), pp 5-12)
KELLY, Kenneth K. Measurement of Earth's Lyman alpha emission, 24:39937
Ultraviolet emissions observed near Venus from Mariner V, 22:8862
KELLY, Lola S. In vivo studies of radiation potentiaton by iodoacetamide and observations on tumor transplantation immunity, 25:6711 (UCRL-20110)
Proliferative and phagocytic capacity of the reticuloendothelial system of sublethally irradiated mice, 24:32191
Proliferative and phagocytic capacity of the reticuloendothelial system of sublethally irradiated mice, 25:26947
Reticuloendothelial activity in neonatally thymectomized mice and irradiated mice thymectomized in adult life, 22:51927
KELLY, M. Hydrogen—deuterium exchange reactions catalysed by nitrogenase, 22:51381
KELLY, M. A. Effect of nuclear polarization on giant dipole resonance of ^{165}Ho, 23:31042
Giant resonance in deformed nuclei, 24:11000
Measurement of the average neutron yield per fission for /sup 242m/Am, 21:10039
Photoneutron cross section for ^{4}He up to 31 MeV, 25:56649
Photoneutron cross sections for ^{116}Sn, ^{117}Sn, ^{118}Sn, ^{119}Sn, ^{120}Sn, ^{124}Sn, and In, 24:13379
Photoneutron cross sections for ^{138}Ba and ^{14}N, 23:44890 (UCRL-71827)
Photoneutron cross sections for ^{138}Ba and ^{14}N, 25:7818
Photoneutron cross sections for ^{75}As, ^{107}Ag, and ^{133}Cs, 23:25860
Photoneutron cross sections for ^{90}Zr, ^{91}Zr, ^{92}Zr, ^{94}Zr, and ^{89}Y, 21:46755
Photoneutron cross sections of ^{24}Mg and ^{26}Mg, 23:44851 (UCRL-71828)
KELLY, M. D. BISYN: two-dimensional synthesis program, 24:16276 (GEAP-4922(Suppl.1))
Metallographic analysis of cermet fuel forms, 25:58398
Metallographic analysis of DART I heat source capsule, 25:15837 (MLM-1578)
Metallographic analysis of SNAP—15C heat source capsule, 25:13164 (MLM-1670)
Metallographic analysis of SNAP-19B (IRHS) capsule, 25:13163 (MLM-1652)
Metallographic examination of plutonium dioxide microspheres, 22:8805 (CONF-670533-8)
Operation and modification of the deep field microscope, 24:48205 (CONF-690954-, pp 2-21)
Quantitative analysis of a cermet sphere, 25:58388 (MLM-OP-71006)
KELLY, M. J. Analytical approach to waterlogging failure, 21:12259 (ORNL-3867)
Assembly for irradiation of molten fluoride fuel to high burnups in Oak Ridge Research reactor (ORR), 21:21761 (CONF-660511-, pp 3.5.1-4)
Distillation method for reprocessing molten salt reactor fuels, 21:25962
Peaceful uses of nuclear explosives, 24:39460 (ORNL-4446, pp 26-39)
Prog. rpt. on development of radiation-resistant insulators, 7/67—7/69, 24:49246 (ORNL-TM-2986)
Prog. rpt. on radiological safety of peaceful uses of nuclear explosives, 3/71, 25:24156 (ORNL-TM-3338)
Prog. rpt. on theoretical evaluation of consumer products from project Gasbuggy, 2/1969, 23:29474 (ORNL-TM-2427)
Prog. rpt. on theoretical evaluation of consumer products from Project Gasbuggy, 3/69, 23:35707 (ORNL-TM-2513)
Prog. rpt. on theoretical evaluation of consumer products from Project Gasbuggy, 10/69, 23:50460 (ORNL-TM-2721)
Prog. rpt. on theoretical evaluation of consumer products from nuclearly stimulated gas wells, 2/70, 24:23185 (ORNL-TM-2862)
Quarterly progress report on radiological safety of peaceful uses of nuclear explosives: transfer of tritium to man from an initial wet deposition, 25:16138 (ORNL-TM-3134)
Radiological considerations in the use of natural gas from nuclearly stimulated wells, 25:4525 (ORNL-TM-3216)
Radiological considerations in the use of natural gas from nuclearly stimulated wells, 25:39861
Theoretical evaluation of consumer products from Project Gasbuggy. Final report, Phase I: Impact of hypothetical releases of contaminated gas in the San Juan Basin, 25:48684 (ORNL-4646)
KELLY, Margaret G. Laser destruction of chemically induced hepatomas, 22:4675
KELLY, Michael A. Photoneutron cross sections of polarized ^{165}Ho, 22:35296 (UCRL-50421)
Photoneutron cross sections of polarized ^{165}Ho, 23:40047
KELLY, Michael M. New theoretical approach to nuclear heavy-ion scattering, 22:50674
KELLY, O. A. Highway vehicle impact studies, 24:16819 (ORNL-NSIC-61)
KELLY, P. J. Thermoluminescence of alumina, 22:4885
KELLY, P. M. Crystallography of cementite precipitation in the bainite transformation, 21:26860
Crystallography of titanium alloy martensites, 23:34005
KELLY, Paul S. Accuracy of numerical Hartree—Fock wave functions for heavy atoms, 23:41941
Hartree—Fock wave functions for excited states. IV, 21:31208
Hartree—Fock wave functions for excited states. III, 21:31207
KELLY, Penelope γ-irradiated morpholinium hexafluorophosphate, 23:49874
KELLY, R. Damage depth distribution of 15-keV Kr implanted in RbCl as obtained from diffusion measurements, 25:36272
Diffusion in inert-gas bombarded KCl, KBr, and KI, 22:17774
Diffusion in ion-implanted solids with nonuniform diffusion parameters, 25:19840
Diffusion of ion-implanted Kr in RbCl and effects, 24:42782
Mechanisms of diffusion in inert-gas bombarded solids. V, 23:34095
Some aspects of reliability data recording in Ontario Hydro, 25:41298 (EUR-4517, pp 379-87)
Sputtering and depth-distribution phenomena. III, 23:3603
Use of a rotating single probe in studies of ionization of additives to premixed flames. IV, 25:51428
KELLY, R. J. Nuclear generating unit performance: an operator viewpoint, 25:28547 (AECL-3670, pp 13-20)
Ontario Hydro nuclear generating station safety and production reliability, 25:5936 (RISO-214, pp 127-69)
KELLY, R. L. Strong-cut Reggeized absorption model for backward scattering, 24:35661
KELLY, Raymond L. Atomic emission lines below 2000 angstroms hydrogen through argon, 22:19737 (NRL-6648)
KELLY, Robert C. Engineering materials list, 21:22069 (TID-4100(Suppl.37))
Engineering materials list, 21:24133 (TID-4100(Suppl.38))
Engineering materials list, 21:41065 (TID-4100(Suppl.40))
Engineering materials list, 22:19006 (TID-4100(Suppl.43))
Engineering materials list, 23:43438 (TID-4100(Suppl.53))
Engineering materials list, 22:27956 (TID-4100(Suppl.44))
Engineering materials list, 22:45222 (TID-4100(Suppl.46))
Engineering materials list, 23:504 (TID-4100(Suppl.47))
Engineering materials list, 23:21862 (TID-4100(Suppl.50))
Engineering materials list, 23:26408 (TID-4100(Suppl.51))
Engineering materials list, 23:43437 (TID-4100(Suppl.52))
Engineering materials list, Suppl. 45, 22:40294 (TID-4100(Suppl.45))
Engineering materials list, suppl. 48, 23:7667 (TID-4100(Suppl.48))
Engineering materials list, suppl. 49, 23:16018 (TID-4100(Suppl.49))
Selected, annotated bibliography of the civil, industrial, and scientific uses for nuclear explosives, 23:19876 (TID-3522(8th Rev.)(Suppl.1))

Selected, annotated bibliography of the civil, industrial, and scientific uses for nuclear explosives, 25:57603 (TID-3522(Rev.9))
Supplemental insert sheets for engineering materials list, 21:30596 (TID-4100(Suppl.39))
Supplemental insert sheets for engineering materials list, 22:8259 (TID-4100(Suppl.42))
Supplemental insert sheets for engineering materials list, 22:19005 (TID-4100(Suppl.41))
KELLY, Robert L. Intensity correlations in inelastic scattering experiments, 21:16785 (UCRL-17286)
KELLY, Roger Bombardment-induced disorder. II, 24:21861
Crystallization of amorphous ZrO_2, 24:42275
Gas-release study of annealing of bombardment-induced disorder. I, 23:22697
High-resolution measurements of diffusion of inert gas in α—Al_2O_3, 21:44185
Inert-gas diffusion as a probe for lattice defects in ionic crystals, 21:44186
Ion-impact crystallization of ZrO_2, 24:42799
Low-energy depth distributions in Pt, Al, and KCl as obtained by sputtering, 22:52893
Sputtering and depth-distribution phenomena in KCl, Al_2O_3, and TiO_2, 22:26222
Sputtering phenomena and depth distribution. IV, 24:19981
Studies on bombardment-induced disorder. IV, 24:28414
KELLY, Sarah Effects of diagnostic x rays on chromosomes in infants, 21:41512
KELLY, Stephen Photographic and optical systems analysis, 25:37193 (MHSMP-71-32)
KELLY, T. M. Cavity formation in helium, 21:16798
Effects of deuteration and heavy atom additives on scintillation lifetime of p-terphenyl, 24:27087
Scintillation decay spectrometer for resolving subnanosecond lifetimes, 25:18696
Theoretical and experimental positron annihilation and scattering cross sections in helium, 23:46256
KELLY, V. P. Design and fabrication of a sodium purification loop, 22:47007 (BNWL-812)
Design features of the waste solidification engineering prototypes, 21:10579 (CONF-660208-, pp 447-512)
Waste solidification program. II, 23:17725 (BNWL-968)
Waste solidification program. III, 23:11737 (BNWL-832)
KELLY, W. Alan Reproductive capacity of rhesus monkeys following x-irradiation of ovaries, 24:871
KELLY, W. H. Coincidence studies of /sup 131m/Te, 21:10054
Coincidence-anticoincidence gamma-ray spectroscopy with NaI(Tl) split annulus and Ge(Li) detector, 21:19937
Conversion electron measurements of transitions following the beta decay of /sup 131m/Te, 22:3731
Data acquisition from simultaneous experiments using the MSU Sigma-7 computer, 24:13217 (COO-1779-20)
Decay schemes of ^{56}Co and ^{56}Mn and their use as calibration standards, 21:4247
Decay schemes of 70-min /sup 129g/Te and 33-day /sup 129m/Te, 21:10046
E6 and M5 transitions observed in /sup 53m/Fe decay, 25:22988
Gamma-ray de-excitation of compound-nucleus-reaction products, 24:28850
Ge(Li)—Ge(Li) sum coincidence, 25:34932
Ge(Li)—NaI(Tl) angular correlation studies of gamma cascades in decay of /sup 119m/Te, 22:3730
Ge(Li)—NaI(Tl) studies of decay of ^{117}Te, 22:3729
High resolution gamma-ray spectroscopic studies of ^{119}Te isomers, 21:5550
High-resolution gamma-ray spectroscopic studies of decays of 2.6-hr /sup 141g/Nd and 60-sec /sup 141m/Nd, 22:42026
Lifetimes of rotational states from heavy-ion reactions, 23:19308
M2 isomerism in ^{83}Rb and high-resolution spectroscopic investigations of decay of ^{83}Sr, 22:26960
N-shell conversion electrons from 2.33-keV transition in ^{205}Pb, 25:36780
NaI(Tl) split annulus for coincidence, anticoincidence, triple coincidence, and pair spectrometry, 24:11824 (COO-1779-19)
Neutron-deficient gadolinium isotopes. I, 24:52595
Neutron-deficient Gd isotopes. II, 25:12582
Neutron-deficient Gd isotopes. III, 25:36744
Neutron-deficient members of $A = 139$ decay chain. I, 24:40603 (COO-1779-15)
Neutron-deficient members of the $A = 139$ decay chain. II, 24:22172
Neutron-deficient members of the $A = 139$ decay chain. I, 24:22173
Single crystal Ge(Li) Compton spectrometer, 21:43257
Single crystal Ge(Li) conversion-coefficient spectrometer, 24:4471
Spurious peaks produced by Compton scattering in Ge(Li)—Ge(Li) coincidence gamma-ray spectrometer systems, 25:18754
States in odd—odd ^{200}Tl populated by the electron-capture decay of ^{200}Pb, 25:7871
States of ^{117}Sn, 23:13284
Straightforward elucidation of complex shell-model states by β decay of nuclei far from stability, 25:28299 (CERN-70-30(Vol.1), pp 435-46)
Three-quasiparticle multiplet in ^{139}Pr, 23:34788
KELLY, W. L. Hardware for nuclear power reactors, 24:18627
KELLY, W. S. Design criteria for PRTR fuel element rupture testing facility, 21:8040 (HW-63863)
KELLY, William D. Irradiated heterotopic segmental canine pancreatic allografts, 22:43260
Radioisotope renograms in kidney transplantation, 24:12187
KELLY, William G. Binding of estrogens and testosterone in human plasma, 23:11958 (CONF-671111-, pp 325-38)
KELM, H. Acid-catalyzed isomerization reaction of trans-diaquodioxalatochromium(III) anions, 24:18960
KELM, S. Energy consumption, electrical conductivity and dielectric constant of charged particles in electric and magnetic fields, 23:34423 (AEC-tr-7049)
Radiative energy transport in a plasma reactor, 25:36990 (DLR-FB-70-18)
Spectroscopic investigations of HF-plasma source, 23:34389 (AEC-tr-7065)
KELM, Siegfried Determination of normal temperatures in nonthermal plasmas, 21:13545
Determination of normal temperatures for nonthermal plasmas, 25:49898 (SC-T-713056)
KELMAN, D. M. Form rolling complex close tolerance shapes, 25:42827
KELMAN, L. R. Further work on ANL on fast reactor fuels, 21:32938
Interaction of iron with molten uranium, 21:9071
Metallic plutonium alloys for fast critical experiments, 21:32877
Plutonium fuel development for fast reactors in U.S, 21:11191 (CONF-661003-13)
Plutonium fuel development for fast reactors, 23:8141
Report of meeting on methods and models used to design fuel pins and predict in-pile performance, April 8—9, 1970, Germantown, 25:10212 (TID-25590)
Status of metallic plutonium fast power-breeder fuels, 21:32875
U. S. program for developing LMFBR fuel elements, 24:41011 (TRG-Report-1911, pp 59-73)
KEL'MAN, V. M. Aberrations in electrostatic prisms, 25:22932
Aberrations of three-electrode transaxial cylindrical lenses, 25:50584
Charged-particle passage through three-electrode deflecting telescopic systems, 24:15740
Chromatic aberration in a deflection system for a prism mass spectrometer with energy focusing, 25:22935
Deflection and focusing of homocentric ion beams by a magnetic prism, 25:22938
Electron-optical parameters of two-electrode cylindrical immersion lenses, 21:46150
Four-electrode deflecting telescope systems. I, 25:22933
Geometric and chromatic aberrations in three-electrode telescope systems, 25:22934
High-vacuum gas discharge in electrostatic fields for registration of charged particles and gamma quanta, 24:39232
Magnetic lenses with parabolic, triangular and trapezoidal distributions of linear ampere-turn density, 25:36643
Magnetic prism mass spectrometer, 21:17934
Motion of charged particles in time-varying magnetic fields, 21:29406
Nonadiabatic motion of a charged particle in a uniform time-varying magnetic field, 24:47341
Optical properties of electronic refracting systems, 22:28160
Prism mass spectrometer with energy focusing, 25:49067
Proof of the impossibility of designing a cylindrical electrostatic diverging lens, 21:29698
Telescopic systems of cylindrical lenses, 22:9042
Use of Penning tube to detect charged particles and gamma rays, 22:38048
KELMERS, A. D. Prog. rpt. on biological macromolecular separations technology project, 7—9/70, 24:50289 (ORNL-TM-3150)
Prog. rpt. on biological macromolecular separations technology project, 10—12/70, 25:15442 (ORNL-TM-3280)
Prog. rpt. on biological macromolecular separations technology, 1/71—3/71, 25:34468 (ORNL-TM-3390)
KELNER, N. Preparation and properties of W—Cu—Ag—Ni alloys, 24:27778
KEL'NER, S. R. Bremsstrahlung due to the collision of a muon with a resting electron, 21:27326
Bremsstrahlung during the collision of a muon with a quiescent electron, 22:22281
Dependence of the azimuthal asymmetry of pair-production plane on the photon polarization, 24:3583
Direct production of electron—positron pairs by 2.94-GeV/c negative pions, 25:9661
Electron and muon pair production by cosmic-ray muons, 23:36889
Muon energy losses due to the pair production, 22:24611
Pair production in collision of a fast particle with a nucleus, 21:31883
Spin structure of the amplitude for the production of f^0 mesons in high energy πN collisions, 21:17122
KEL'NER, T. R. Self-oscillations of cylindrical resonators with magneto-active plasma, 21:37483
KELOV, K. Frequency characteristics of the E/sub s/ layer and technical parameters of equipment, 24:30257
Frequency dependence of rhoE/sub s/, 24:30271
KELSCH, J. J. Concrete-polymer materials, 23:16552 (BNL-50134)
Precipitation induced by neutron irradiation of Fe—C alloys, 24:51234
KELSCH, R. D. Containment methods for alpha-gamma radioactivity at Savannah River Laboratory Caves, 21:6175
Design and testing of curium shipping capsule and cask, 23:573 (CONF-681001-, pp 344-53)
Safety summary report: curium shipping cask (packaging of radioactive and fissile materials), 24:31640 (DPSPU-68-124-2)
KELSEY, C. A. Gas target source for fast neutron cancer therapy, 25:50599 (CONF-710402-(Vol.2), pp I.56-60)
Gas target source for neutron radiation therapy, 25:26883
Polarization of 4.4-MeV neutrons scattered elastically from ^{6}Li and ^{7}Li, 21:21457
KELSEY, J. C. Sterilization and disinfection, 23:38897
KELSEY, Royal Winston Brazing alloys, 23:41591
KELSEY, T. Apparatus for the study of electrical discharges at pressures of 10^{-10} torr and voltages up to 250kV, 24:44172
KELSIN, D. Acceleration controlled drive with constant acceleration for Moessbauer experiments, 21:8595
Portable γ monitor SGM 2300, 23:43515 (CONF-681063-, Paper 2.1)
KELSO, Edward Albert Removal of heat from nuclear reactors, 22:35524
KELSO, Gary L. Prog. rpt. on high temperature thermal insulation, 5/71, 25:37166 (BDX-613-313)
KELSON, I. Deformation in the second half of the s—d shell, 25:41259
Determination of nuclear rotational parameters, 21:40513
Explanation of the mass asymmetry in nuclear fission, 22:22646
Isobaric spin in nuclear fission, 25:28477
j/sup n/ configurations, 24:35919
Masses of nuclei with $Z > N$, 21:7700
Particle-hole states in ^{14}O, 21:2637
Preferred reactions for the formation of superheavy nuclei, 22:44712
Properties of multi-particle spaces, 25:38625
Semi-classical estimate of critical charges in Coulomb fission, 24:45829
Single-particle theory of fission, 23:52187
KELTNER, N. R. High intensity carbon arc imaging furnace, 22:6516 (SC-TM-67-862)
Sandia Corp. radiant heat facility, 21:38843 (SC-RR-67-438)
Techniques for improving effective response times of intrinsic thermocouples, 25:54383 (SC-RR-710146)
KELTSCH, E. Future of electric utilities in Germany, 24:11098 (IRS-T-16(1969), pp 3-10)
Future problem of electricity management in Germany, 23:11149
KEM, D. C. Radioimmunoassay for plasma aldosterone, 24:31876
KEMA, N. V. Formation of compounds in the UO_2—ThO_2 system, 22:12289
Sol-gel processes for preparation of nuclear fuels, 25:37999
KEMBALL, C. Catalytic exchange and deuteration of tert-butylbenzene and p-tert-butyltoluene on evaporated metal films, 21:12418
Catalytic reactions of anisole and deuterium on metal films, 21:10351
Reactions of unsaturated hydrocarbons with deuterium on titanium dioxide, 22:2066
Revised theory for calculating distributions of products from the catalytic reaction of ethylene with deuterium, 22:16533
KEMBER, N. F. Alpha-particle incidence in small targets, 24:33953
Cell survival and growth stunting in irradiated bones, 25:24373
Cell survival and radiation damage in growth cartilage, 22:23637
Changes in the vascular supply to rat growth cartilage during radiation injury and repair, 21:41502
Growing bones on the computer, 23:24740
Hypoxia and recovery in growth cartilage in vivo, 22:36357
Mitotic suppression in gut and growth cartilage by x-irradiation in vivo, 24:32203
Radio-isotope experiments with a thyroid circulation analogue, 22:51347
Radiobiological investigations on embryonic rat bone grown in vitro, 24:9941
Radiobiological investigations with fast neutrons, 23:45902
KEMBHAVI, V. K. Optical potential for high energy pion—nucleus and nucleon—nucleus scattering, 24:52141
Scattering of medium-energy alpha particles. II, 23:30971
KEMENES, F. Effect of x irradiation and bursectomy on interferons induced in chickens by Newcastle disease virus, 23:35638
KEMENY, G. Direct method for measuring released energy, 22:30756
Measurement of Wigner energies on some graphites with a calorimeter, 23:5091 (EUR-4036)
KEMENY, Gabor Theory of the pre-exponential factor in organic semiconductors, 24:22524 (COO-1714-6)
KEMENY, L. G. Power reactor statistical diagnostic techniques, 25:57023
KEMENY, Leslie G. Fundamental aspects of stochastic processes and fluctuation phenomena in fission reactors, 21:30121 (CONF-660206, pp 531-65)
Hybrid simulation of nuclear reactor system stochastic models, 24:38629
Measurement, simulation, and control of fluctuating phenomena in nuclear reactor systems, 23:49552
KEMENY, P. Alteration of the β decay probability, 24:1849
Ammonium hexachloroosmate; a suitable compound for nuclear physics experiments concerning osmium nucleus, 22:23008
Effect of physical state on decay of ^{131}I, 22:44743
Excited levels of ^{193}Ir, 22:29980 (IFA-NS-20)
Half-life alteration of β^--decaying anions and cations, 24:8873
Half-life alterations in electron-capture decaying ^{64}Cu, 23:44862
Half-life alterations produced in electron-capture-decaying ^{64}Cu, 23:23652
KEMERS, R. Ya. Pile radiation effects on magnetic properties of Mn—Zn and Ni—Zn ferrites, 23:42405
KEMME, J. E. Heat pipe capability experiments, 21:3211 (LA-3585)
Heat pipe capability experiments, 21:10532 (LA-DC-7938)

  - Sonic limitations and startup problems of heat pipes, 25:6236 (LA-4518)
- KEMME, Joseph E. High-performance heat pipes, 22:23209 (LA-DC-9027)
- KEMMER, J. Construction of high resolution γ spectrometer and examples for use, 22:38062 (CONF-670545-, pp 146-55)
  - Ge(Li)-gamma spectrometer for low gamma activities, 23:679
  - High-resolution γ spectrometer with Ge(Li) detector and field-effect transistor preamplifier, 21:3276
  - Reactor neutron induced fission of ^{233}U, 25:34148
  - Reactor neutron-induced fission of ^{231}Pa, 25:3656
  - Separation of ^{228}Ra/^{228}Ac and ^{212}Pb/^{212}Bi with help of extraction chromatography in system Di(ethylhexyl) phosphate—hydrochloric acid, 22:14576
- KEMMER, N. Elementary derivation of general multipole moments for a classical charge and current distribution, 24:45460
  - Irreducible representations of five-dimensional rotation group. I, 22:53233
- KEMMER, W. Dose dependence of chromosome aberration rate in Thorotrast patients, 25:52247
- KEMMERER, A. E. Automated power and pressure cycling system for elevated temperature for irradiation of thin clad fuel pins, 21:19804 (CONF-660511-, pp 4.8.1-9)
- KEMMER-SACK, Sibylle Lead U fluoride oxide Pb_1 $_{,5}U_2O_6F$, 22:37721
- KEMMET, L. H. Radiological control: Shippingport PWR Core 1, Core 2 replacement and Core 2 modification, 21:23623 (WAPD-298)
  - Shippingport operations during PWR Core 1 depletion, 12/57—2/64, 23:13372 (WAPD-294)
- KEMMEY, P. J. Calculation of He—H interaction energy, 24:39833
  - Low-temperature thermoluminescence of KN_3 and NaN_3, 24:21855
  - Thermoluminescence of sodium azide, 23:42410
- KEMMLER-SACK, S. Charge distribution between metal and U ions in Perovskite $Ba(M_0\,{}_{,5}U_0\,{}_{,5})O_3$ with M = Mn, Fe, Co, Ni, 24:44006
  - Crystal structure of NiU_2O_6 and CoU_2O_6, 24:38844
  - Lead uranium oxyfluoride with monovalent metals, 24:41284
  - Magnetic and spectroscopic properties of U oxide—fluorides, 23:26236
  - Magnetic and spectroscopic properties of uranium oxide fluorides and their structural relationship to the uranium oxides, 24:41285
  - Oxyfluorides of pentavalent uranium with pyrochloric structure, 23:28814
  - Spectroscopic behavior of U(V) ion in ternary oxides, 23:33202
  - Ternary oxides. IX, 22:12318
  - Ternary oxides. VII, 22:12316
  - Ternary oxides. VIII, 22:12317
- KEMMLER-SACK, Sibylle Perovskite compounds of the type $Ba_3MeU_2O_9$, 24:4283
  - Spectroscopic investigations in system $(U_0\,{}_{,5}Th_0\,{}_{,5})O_2$ $_{,25}$—ThO_2 and UO_2 $_{,25}$—ThO_2, 24:25032
  - Spectroscopic investigations in system $MeUO_4$—ThO_2 with Me = Nd, Dy, Ho, Yb, and Y, 25:4084
  - Uranium oxide fluoride, 22:27631
- KEMNITZ, E. J. Iodine organic yields in hydrocarbon matrices at 77°K, 23:21773
  - Isotope and concentration effects of Br in benzene at 77°K, 24:33742
  - Neutron capture and isomeric transition activated iodine reactions in liquid and solid benzene at 77°K, 22:16569 (COO-1617-10, pp 106-21)
- KEMNITZ, Ernest John Jr. Reactions of selected halogens and interhalogens activated by radiative neutron capture and isomeric transition with condensed state cyclopentane and aromatic hydrocarbons, 25:128 (COO-1617-26)
- KEMNITZ, H.-P. Results of lung scintigraphy in silicosis, 25:11134
- KEMNITZ, P. Decay of ^{159}Eu, 24:6902
  - Decay of ^{159}Eu, 24:43363
  - Levels in ^{167}Tm, 24:43384
  - Levels in ^{167}Tm, 25:5726
  - Levels in ^{171}Lu, 25:25785
  - Non-adiabatic effects in rotational bands of odd proton nucleus ^{159}Tb, 25:5783
  - Rotational bands in ^{161}Ho, 25:48112
  - Three-quasiparticle excitations in ^{175}Yb, 23:37198
- KEMOKLIDZE, M. P. Dynamics of a superfluid Fermi gas at finite temperatures, 21:33332
  - Electromagnetic wave echo in a plasma, 24:35505
  - Relaxation absorption of electromagnetic waves by a superconductor, 22:2988
- KEMP, A. L. W. Mechanism of the bacterial reduction of sulphate and of sulphite from isotope fractionation studies, 23:11628
- KEMP, D. Experimental investigation on helicity conservation, 25:53032
  - Present status of software for computer control in CERN ISR project, 25:50380
- KEMP, D. S. Microanalysis by successive isotopic dilution, 24:16439
  - Peptide racemization mechanism. A kinetic isotope effect as a means of distinguishing enolization from oxazolone formation, 24:46239
- KEMP, D. T. Analysis of transient elf disturbances within Earth—ionosphere cavity, 25:27592
  - Magnitude of sources of transient excitation of Schumann resonances, 25:27591
- KEMP, David T. Transient excitation of Schumann resonances, 24:35311
- KEMP, E. F. Fuel and fuel cycle for PFR, 25:57064
  - Reprocessing of oxide fuel at Windscale, 25:4146
  - Reprocessing of oxide fuel at Windscale, 25:15735
- KEMP, E. L. Characteristics of the scyllacita theta-pinch, 22:50131 (LA-3863)
  - Comparative evaluation of size a metal anode ignitrons, 21:22068 (LA-DC-8088)
  - Design and installation of Scyllac, 25:30564 (EUR-4593, pp 227-39)
  - Engineering aspects of Scyllac proposal, 21:25103 (LA-DC-8086)
  - Reliable, high-voltage, low-inductance cable for Scyllac, 24:24038 (LA-4250, pp Cl.2.1-5)
  - Scyllac theta pinch (15 meter), 22:1131 (LA-3770, Paper G1)
- KEMP, Edwin L. Design of Scyllac: 15-meter theta-pinch machine, 22:46110 (LA-DC-9507)
  - Final design of Scyllac, 24:24069 (LA-4250, pp F1.1-10)
- KEMP, Geoffrey Nuclear arms race, 23:13902
- KEMP, H. T. Commercial fisheries related to Amchitka Island, 23:13597 (BMI-171-109)
- KEMP, J. C. Faraday rotation studies in MgO and CaO color centers, 22:44266
  - Magnetic circular dichroism of bands associated with the F^+ center in SrO, 25:36291
- KEMP, J. L. Description of ARHCO's new compact plutonium storage facility, 25:54942 (CONF-710401-, pp 56-67)
- KEMP, James C. Circular polarization of thermal radiation in a magnetic field, 25:834
  - Confirmation of magnetic white dwarf G-195-19, 25:19328
  - Discovery of circularly polarized light from a white dwarf, 24:39764
  - Faraday rotation studies of an R-like center in neutron-irradiated MgO. II, 23:22693
  - Faraday rotation studies of an R-like center in neutron-irradiated MgO. I, 23:22694
  - Large infrared circular polarization of Grw + 70°8247, 25:812
  - Quantum-magnetic features in polarized light of Grw + 70°8247, 25:813
- KEMP, K. Fine structure of analogue resonances in the $^{44}Ca(p,p)$ and $^{50}Ti(p,p)$ reactions, 22:53139
  - Gamma decay from the analogue state of the ^{51}Ti g.s, 24:28754
  - High resolution system for van de Graaff accelerators, 24:3819
  - Isobaric analogue states of ^{47}Ca, 21:42595
  - Two excited 0^+ states in ^{168}Yb, 21:25562
- KEMP, L. A. W. Compact battery-operated ratemeter employing bootstrapping to eliminate cable capacitance effects, 23:9723
  - Inflated balloon ionization chamber for low energy, low level x-ray exposure measurements, 22:40380
  - Pyrolytic graphite microcalorimeter for the measurement of x-ray absorbed dose, 25:23859
  - Secondary-standard ionization chamber design, 24:36632
  - Solid-state digital integrating x-ray dosimeter, 22:25679
- KEMP, M. A. R. Further evidence for $N^{*1}/_2$ nucleon resonances in the mass range 1800 to 2200 MeV, 23:42571
  - π^-p elastic scattering from 1225 to 2070 MeV/c compared with phase shift analysis, 24:28552
  - Scattering of π^- mesons in momentum range 875 to 1579 MeV/c from polarized proton target, 22:20146
- KEMP, Robert T. Elimination reaction with kinetics characteristic of ElcB mechanism, 22:45049
- KEMP, T. J. Chemistry of some short-lived species in solution, 23:35166
  - Formation of solute excited states and radicals during pulse radiolysis of naphthalene in ethereal solutions, 22:45126
  - Pulse radiolysis of solutions of amines of low ionization potential, 22:27775
  - Some aspects of the pulse radiolysis of solutions of naphthalene and anthracene in either cyclohexane or benzene, 21:23979
  - Yields of excited states in the pulse radiolysis of solutions of substituted anthracenes, 23:24226
- KEMP, W. G. Effect of γ radiation on carnation mottle virus, 25:21985
- KEMPA, Ya. Theoretical studies of fluctuations in EAS evolution, 24:21914
- KEMPANNA, C. Genotypic control of response to radiation of Eleusine coracana, 25:39964
- KEMPCHINSKY, P. C. Determination of O in Be: comparison of neutron activation and Br—MeOH methods, 21:14171
- KEMPE, H. Scintigraphic findings in liver diseases identified by laparoscopy and histology, 25:11180
- KEMPE, L. L. Prog. rpt. on effect of ionizing radiation on resistance, germination, and toxin synthesis of C. botulinum, 6/62, 24:2832 (TID-25178)
  - Prog. rpt. on effect of ionizing radiation on resistance, germination, and toxin synthesis of C. botulinum, 6/63, 24:4699 (TID-25179)
  - Prog. rpt. on irradiation preservation of fresh-water fish and inland fruits and vegetables, final, 8/66, 21:6739 (COO-1283-40)
- KEMPE, W. Potassium—Ar age determination for Fe meteorites. I, 21:3574
- KEMPER, A. Nuclear methods of width control in layflat tube production, 22:37958
  - Simple computer program for high resolution gamma-ray spectra, 25:46631
  - Wear measurements by means of γ-x-fluorescence, 22:4353 (EUR-3627)
- KEMPER, J. S. Operation and performance of plant systems during low power testing at Peach Bottom, 21:1191
  - Significant operating experiences of Peach Bottom Atomic Power Station, 23:37396
- KEMPER, K. W. Beta decay of ^{43}Ti, 24:3912
  - Beta—gamma directional correlation of outer group decay in ^{140}La, 23:15483
  - Direct reaction analysis of reactions $^7Li(d,t)^6Li$ and $^7Li(tau,\alpha)^6Li$, 25:56671
  - Elastic scattering of deuterons by ^6Li and ^7Li at 8.0 to 12.0 MeV, 25:56670
  - Excitation functions for $^{34}S(P,n)^{34}Cl$ and $^{31}P(\alpha,n)^{34}Cl$, 24:52527
  - Inner bremsstrahlung correction to the first forbidden unique correlation in ^{144}Pr, 22:48533
  - Line shape calculation for nuclear scattering from gaseous targets, 25:9924
  - Mass of ^{39}Ca, 25:5610
  - Matrix element analysis of outer and first inner group decays in ^{140}La, 25:34131
  - Reaction $^{20}Ne(h,h_{0\ 1\ 2})^{20}Ne$ at 17.83 MeV, 25:45975
  - Spin of the 937-keV level in ^{56}Co, 25:43863
- KEMPER, Kirby Wayne Anomalous allowed and first forbidden beta decays, 23:40048
- KEMPER, R. S. Prog. rpt. on W—Tc alloys, 1—4/66, 21:20487 (BNWL-378)
  - Prog. rpt. on W—Tc alloys, 4—10/66, 21:24725 (BNWL-414)
  - Status of thorium fuel technology, 22:53456 (BNWL-861)
- KEMPER, Robert S. Jr. Formation of submicron uranium carbide particles in metallic uranium, 21:43653
- KEMPF, F. J. Effects of site location on the capital costs of nuclear electric plants, 23:31100 (BNWL-960)
  - Nuclear electric plant capital costs vs. site location, 21:30105 (BNWL-CC-978)
- KEMPF, R. J. Matrix isolation and decay kinetics of carbon dioxide and carbonate anion free radicals, 24:41365
- KEMPF, Richard Joseph EPR of some ground state triplet molecules, 23:321
- KEMPF, Wilhelm Excentricity effects in the absolute determination of α-emitters in acute angle counters, 25:23838 (NP-18664)
- KEMPISTY, T. Application of gridded ionisation chamber for alpha spectroscopy, 24:39318 (INR-1182)
  - Investigation of excited levels of ^{196}Pb and ^{194}Pb nuclei, 25:50720 (JINR-P6-5879)
  - Investigation of the decay of ^{203}Rn, ^{207}Rn, ^{209}Rn, and ^{207}At, 25:50719 (JINR-P6-5878)
- KEMPISTY, Tadeush Impurities in pure β-emitters, 24:27388
- KEMPISTYI, T. Application of semiconductor detector for determination α emitters impurities, 21:26148 (INR-767/XIII/I)
- KEMPKEN, K. Investigations on tumor localization using ^{67}Ga, 25:55283
- KEMPKES, A. Noise analysis of a near critical homogeneous circulating fuel reactor, 23:11298 (RCN-98, pp 359-79)
  - Noise in nuclear reactors, 23:28624
- KEMPLAY, J. R. B.1N needle Geiger—Mueller counter operated in the current mode, 21:10621
  - Digital data logging technique for medical radioisotope scanners, 22:40381
  - Digital subtraction technique for dual isotope scintigraphy, 25:42059
  - Polaroid film photo-recording technique for medical radioisotope scanners, 23:38271
  - Quenching circuit of very short rise time for Geiger—Mueller counters, 24:19206
- KEMPMANN, Gerd Diagnostic scintigrams of liver metastases, 24:783
- KEMPPAINEN, D. J. Cavitation-erosion characteristics of selected materials in Hg at 500°F, 21:36299 (NP-16858)
- KEMPPAINEN, Dale J. Effects of applied stress on early stages of cavitation damage, 24:41095 (KAPL-P-3886)
  - Effects of external load on cavitation damage, 23:38957 (KAPL-P-3813)
- KEMPPEL, Roger Raymond Diagnostic studies of H plasmas heated by two-phase excitation at cyclotron frequency, 25:5087
- KEMPTER, C. P. Debye temperatures of some metal monocarbides, 24:8195
  - Debye—Scherrer camera filter attachment for use with radioactive specimens, 25:2508
  - Discussion of thermal properties of tantalum monocarbide and tungsten monocarbide, 22:49836
  - Elastic properties and thermal expansion of NbC, 23:48538
  - Elastic properties of die-pressed composites of TaC—NbC solid solutions with graphite, 22:34109
  - Elastic properties of some transition metal monocarbide cubes, 22:49830
  - Elastic properties of thoriated W—Mo and W—Mo—Re alloys, 21:13175
  - Elastic properties of zirconium carbide, 21:1943
  - Low-temperature electrical properties of some transition metals and transition-metal carbides, 22:31375
  - Solubility limit and diffusivity of carbon in molybdenum, 22:41063
  - Temperature dependence of Young's modulus of a Ta—W—Hf alloy, 21:16602
  - Temperature dependence of Young's modulus and internal friction of two-phase zirconium—hydrogen alloy, 21:41594
  - Thermal expansion of some niobium carbides, 21:41657
- KEMPTER, Charles P. Interplanar spacing tables for Mn K α_1 radiation, 24:25976 (LA-4240)
- KEMPTER, V. Electronic excitation of K atoms in collisions with diatomic molecules, 24:42534
  - Scattering of potassium from halogen compounds at hyperthermal energies, 24:37231
- KEMPTON, John P. Radiocarbon dates from Altonian and Twocreekan deposits at Sycamore, Ill, 22:23141
- KEMSHALL, C. D. Analysis of recoil proton spectra, 22:25631 (AWRE-O-9/68)
  - Attenuation of proportional counter pulses by RC amplifier time constants, 23:16116
  - High resolution spherical proportional counter, 22:14810
  - Neutron spectrum measurements in the zero power fast reactor VERA, 21:19964
- KEMSHELL, P. B. Analysis of heavy water moderated cluster lattices using WIMS code, 25:6181 (AEEW-R-549)
  - Evaluation of some uncertainties in the comparison between theory and experiment for regular light water lattices, 21:27731
  - Further reactor physics studies for steam generating heavy water reactors. I, 22:18471

Further reactor physics studies for steam generating heavy water reactors. III, 23:7391
General description of the lattice code WIMS, 21:10174
Preparation of input data for WIMS, 22:5915 (AEEW-R-538)
KENAGY, J. A. Unified cleaning facility in a class 100 clean room, 21:41064 (SC-DC-67-2050)
KENAHAN, C. B. Electrodeposition of iridium from fused sodium cyanide and aqueous electrolytes, 21:41542 (BM-RI-7023)
KENCH, J. R. Effects of dissolved oxygen upon mechanical properties of zirconium—2.5 wt. percent niobium alloy, 21:11205 (AECL-2623)
Effects of surface oxidation upon tensile creep behavior of α-uranium, 23:1000
KENDALL, Burton Nathaniel Decay modes of the eta meson, 25:14580
KENDALL, D. L. Development of radiation hardened Li-doped solar cells, 24:27483 (N-70-20336)
KENDALL, D. R. High-megohm bridge, 21:3341 (SC-TM-66-558)
KENDALL, Don L. Neutron-induced carrier-removal effects in silicon, 23:42457
Prog. rpt. on lithium-diffused solar cells, 4—6/68, 23:16179 (N-68-34283)
KENDALL, E. George Review of Ti—6Al—6V—2Sn fatigue behavior, 25:16436 (AD-710635)
Titanium—Be composites produced by the co-extrusion of powders, 25:42869
KENDALL, E. J. M. Modern physics for electrical engineers, 21:35035
KENDALL, F. H. Kinetic studies of H exchange in substituted dialkylanilines. IV, 21:25840
Nature of ^{32}P produced by neutron irradiation of sulfur, 22:16605
KENDALL, H. W. Experimental search for a heavy electron, 22:22283
Measurements of elastic electron—deuteron scattering at high momentum transfers, 23:18787
Observed behavior of highly inelastic e—p scattering, 23:51837
KENDALL, Henry W. Structure of the proton and the neutron, 25:36445
KENDALL, J. M. Dynamics of a fast reactor with in-core thermionic converters. Fourth annual report, September 1, 1969—August 31, 1970, 25:44097 (COO-2109-5)
KENDALL, James Michael Stability domains in nonlinear point reactor dynamics, 25:28800 (COO-2109-3)
Stability domains in nonlinear point reactor dynamics, 25:51240
KENDALL, John S. Containment experiments in vortex tubes with radial outflow and large superimposed axial flows, 21:35654 (NP-16786)
Containment experiments in vortex tubes with radial outflow and large superimposed axial flows, 22:39861 (N-68-18243)
Gaseous nuclear rocket fluid mechanics, 21:35655 (NP-16787)
Initial radio-frequency gas heating experiments to simulate the thermal environment in a nuclear light bulb reactor, 23:43172 (N-69-23450)
Open-cycle and light-bulb types of vortex-stabilized gaseous nuclear rockets, 22:44877
KENDALL, John W. Acute effects of thyrotropin on thyroid hormone biosynthesis in the rat, 21:8689
KENDALL, K. Recovery in the mouse after neutron-irradiation: evaluation of injury and recovery using split-dose lethality and repropulation of colony-forming units, 25:6773 (CONF-691106-, pp 435-50)
KENDALL, K. C. Further reactor physics studies for steam generating heavy water reactors. II, 22:30319
LILLY: computer code for calculating an inferred K-infinity from reaction rate measurements in thermal reactor systems, 23:31152 (AEEW-M-834)
KENDALL, Kathleen Inhibition of regeneration of planaria by midlethal exposures to x rays, 23:16374 (AD-668330)
Methods for studying time course of cell division in clones from leukemia cells, 23:16221 (AD-668164)
KENDALL, Kenneth R. Airglow spectrum, 3100 to 10,000 A, 22:13365
KENDALL, L. F. Lead telluride research program, 23:25183 (ALO-2462-9)
KENDALL, P. C. Difficulties in theory of toroidal MHD oscillations, 23:30233
Extrusion of plasma into confined magnetic field of line dipole, 25:58859
Ion drag with electrodynamic drift: computer experiment for F2 layer, 22:43989
Magnetic field and energy of an axisymmetric Van Allen belt, 22:29383
Magnetic field and energy of an axisymmetric Van Allen belt, 23:51444 (AD-681438)
Magnetic field of axisymmetric current distribution, 21:9402
Magneto-plasma diffusion and ionospheric F2 layer, 23:36582 (AD-684715)
Magnetoplasma diffusion at F2-region altitudes, 22:17520
Magnetosphere, 23:48806 (AD-689835)
Ring current effects on cosmic rays, 22:31704
Time-dependent effects of general electrodynamic drifts in F2 layer of ionosphere, 22:29374
KENDALL, Tom E. Primary malignant tumors of the hand, 23:45932
KENDALL, W. FFTF backup design interface definition discussion of system requirements, 25:10266 (GEAP-5721)
KENDALL, W. W. Performance of mixed-oxide fuel pins irradiated in a fast reactor to 50,000 MWD/T, 22:4913
Short-term fast flux (EBR-II) irradiation of PuO_2—UO_2 fuel pins, 22:19672 (GEAP-5570)
KENDE, H. Preparation of radioactive gibberellin A_1 and its metabolism in dwarf peas, 22:12792
KENDE, Hans Radioactive gibberellin A_1 and its metabolism in dwarf peas, 24:23059
KENDE, Paul Synchronous operation of mass spectrometer, 22:12694
KENDELIC, V. Characteristics of roots in seedlings grown in linen rolls, 23:2983
KENDERDINE, S Structure of radio sources in 3C catalogue. I, 22:23936
KENDERDINE, S. Extension of the radio source luminosity function. I, 24:10260
Radio emission from sources 3C 225 and 3C 267, 21:39776
Radio emission from the nucleus of the Andromeda Nebula, 21:33050
Some observations of weak radio sources with the Cambridge one-mile telescope, 21:5049
Survey of radio sources and background radiation at 38 Mc/s, 21:567
The 5C2 survey of radio sources, 22:38702
KENDIG, A. P. Current distribution in nonequilibrium J x B devices, 22:7298
KENDJELIC, V. Evolution of maize based on unusual radiation mutants, 25:24095
KENDRA, Edward J. Production experience in a ^{60}Co irradiation plant for sterilization of disposable medical products, 25:44491
KENDRICK, E. Conference on advances in mass spectrometry, Berlin, 9/67. IV, 23:737
KENDRICK, E. D. Comparison of measured and predicted characteristics of elk River Reactor, 22:24938 (CONF-660524-, pp 681-94)
Integration of on-line data handling with off-site analysis for large nuclear power plants, 23:4183
On-line system for remote monitoring of power reactor operations, 24:7028
Prog. rpt. on Elk River reactor operations analysis, annual, 7/65—6/66, 21:1153 (ACNP-66557)
Prog. rpt. on Elk River Reactor operation, semiannual, 1—6/65, 21:21620 (ACNP-65602)
Xenon-transient calculations in large light-water reactors, 23:28443
KENDRICK, H. Determination of errors in polarized neutron diffractometry, 23:16205
Experimental studies of unfolding, 25:39750
Experimental test of pulse-height spectrum unfolding, 25:4365
Fast-neutron and secondary gamma-ray transport in concrete, 24:6597
Neutron-diffraction data on Ti_2O_3 and V_2O_3, 22:24810
Rapid inverting of the polarization of a neutron beam, 24:24494
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete, 24:32885
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete. I, 25:17253 (AD-711839)
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete. II, 25:17254 (AD-711840)
KENDRICK, H. L. Drilling and testing operations for Project Gasbuggy, 23:490 (PNE-G-9)
KENDRICK, Hugh Analysis, design, construction, and various applications of a polarized neutron spectrometer, 23:6324
KENDRICK, N. S. Gamma—γ directional correlations in the decay of ^{125}Sb. II, 25:43927
γ—γ directional correlations in the decay of ^{125}Sb, 24:40655
KENDRUP, I. Simplified mobile equipment for ^{133}Xe-radiospirometry, 25:13514
KENDYSH, I. N. Biological effect of nitrate ^{232}Th, 23:22376 (AEC-tr-6944, pp 359-74)
Distribution and elimination of ^{232}Th, 23:22153 (AEC-tr-6944, pp 25-34)
Metabolism of glucose-1-^{14}C in x-irradiated rats, 24:606
Phagocytic and digestive functions of the reticuloendothelial system upon irradiation with aggregated albumin labeled with ^{131}I, 22:23610
Postirradiation elevation of glycogen level in rat liver, 21:34612
Postradiation hyperglycemia, 25:10969
Role of radiosensitive tissues in the mechanism of post-radiation gluconeogenesis, 25:26963
Secondary role of hormones of adrenal cortex in mechanism of induction of postradiation synthesis of glycogen in liver, 23:24518
KENDZIORSKI, F. R. Reaction ^{36}S(p,γ)^{37}Cl and properties of ^{37}Cl, 22:29963
Study of the ^{36}S(p,γ)^{37}Cl reaction with bombarding energies in the 790-kev to 1820-kev range, 21:1067
KENEALY, P. F. Coincidence and directional correlation measurements on decay of ^{156}Tb(5.3d), 22:5845
Coincidence measurements on the decay of ^{168}Tm(87 day), 22:20594
Nuclear-resonance fluorescence in ^{128}Xe, 25:12560
KENEFICK, R. A. Calibration technique for energy-defining transport magnets, 25:7786
Improvement of angular resolution in magnetic spectrographs, 22:36088
Reactions (α,^{3}He) and (α,t) on ^{40}Ca, 24:28755
Simple beam-direction stabilizer system, 25:1695
Stripping to quasibound levels in ^{41}Sc, 25:5617
KENEKO, I. Protein synthesis in E. coli after gamma-irradiation in presence of alkali halides, 24:6147
KENEMAN, S. A. Cryoelectric content-addressable memories using flux-shuttling nondestructive readout, 22:29389
KENESARINA, A. A. Influence of immunological actions upon the radiosensitivity of inoculated tumor PC-1, 24:34170
KENESHEA, F. J. Diffusion of oxygen in zirconia as a function of oxygen pressure, 25:58370
KENESHEA, Francis J. Oxidation mechanism of Zr, 25:615 (AD-708573)
KENESHEA, T. J. Diurnal model of the E region, 24:17777
Electron loss during a nighttime PCA event, 25:43269
KENESHEA, Thomas J. Computed electron, ion, and neutral density profiles for the solar eclipse, 11/12/66, 21:15022 (AFCRL-66-741)
KENEZ, Jozsef Diagnostic evaluation of 10 years' material of patients with pulmonary tumor, 21:34716
Role of the reduction of the minute-dose and of the grid method in the radiation therapy, 21:22490
KENG, Edward Y. H. Radiant heat transfer to particle-seeded gases for application to nuclear rocket engine design, 22:35570 (N-68-10561)
KENINA, E. M. Formation of compounds Zr_4O and Zr_3O in the Zr—O system, 21:11318
Influence of oxygen on zirconium properties at high temperatures, 23:27010
Investigation into ordered structures of Zr_4O and Zr_3O suboxides, 22:43609
Phase diagrams and reaction of Ti and Zr with O, 23:30182
Phase equilibrium in binary zirconium—oxygen system and new Zr_4O and Zr_3O suboxides, 22:17184
KENIS, F. Distribution of uranium(IV) at low concentrations between undiluted tributyl phosphate and aqueous nitric acid phases, 24:41392 (NP-18304)
KENJO, Hideki Assignment of the methylene proton signals and estimation of the meso-to racemic methylene ratios in polyacrylonitriles, 21:38975
KENKNIGHT, C. E. Parameters of the optical properties of the lunar surface powder in relation to solar-wind bombardment, 21:29104
KENMOCHI, Kazuo Investigations on nuclear counters. Beta semiconductor radiation detector, 22:6588
Nuclear radiation detectors. Determination of γ-photon energies by a silicon semiconductor counter. III, 22:8351
Radioactive dust in the upper atmospheric layer, 22:2246
KENMOCHI, Masashi Cyclotron resonance and nonadiabatic trapping in mirror machine, 22:15512
Nonadiabatic trapping of high-energy H ions in a magnetic mirror machine, 22:15509
KENMOKU, Masakatsu Canonical quantization of the proper time formalism in the dual resonance model, 25:56480
Proper-time formulation in dual resonance model and the subsidiary conditions, 25:12185
Proper-time formulation of the dual resonance model and subsidiary conditions. II, 25:40966
Regge pole model with diffractive correction. IV, 24:47409
KENNA, B. Fast neutron activation: sample preparation utilizing graphite as a diluent, 25:48481
KENNA, B. T. Bibliography on the determination of nitrogen by activation analysis, 22:33210 (SC-R-68-1723)
Characterization of materials by qualitative neutron activation analysis, 24:2150 (SC-RR-69-568)
Determination of sodium in high-purity silica by activation analysis, 22:25267
Neutron activation study of small particle ablation, 24:9607
Neutron-activation analysis of Mn in polysulfide materials, 22:8007
Radioactive decay and electrical changes in fast-neutron-irradiated CdS, 23:44510
KENNA, Bernard T. Studies in fast neutron activation analysis, 25:2120 (CONF-700322-, pp 231-48)
KENNADY, John C. Conventional diagnostic procedures and pathophysiological considerations, 23:18044 (CONF-670958-, pp 40-70)
Investigations of brain hemisphere scanning with radioalbumin macroaggregates, 23:18060
Rapid assessment of cerebral hemodynamics, 25:16235 (UCLA-12-803)
KENNALLY, J. R. Breath analysis for ^{14}C, 23:31304
KENNARD, C. H. L. Structural changes of barium methacrylate dihydrate under x-radiation, 22:12371
Structure of β-rhombohedral boron, 24:21394
Weissenberg camera alignment device, 25:32312
KENNEDY, A. Prog. rpt. on Chicago air pollution system model, 2/68, 23:456 (ANL/ES-CC-1)
KENNEDY, A. S. ANL-CANDID: two-dimensional, diffusion-theory code, 22:15914 (ANL-7305)
ARC system one-dimensional diffusion theory capability, DARC1D, 25:41597 (ANL-7715)
Multiple-source urban atmospheric dispersion model, 25:4161 (ANL/ES-CC-7)
PERC, two-dimensional perturbation code based on diffusion theory, 22:7908 (ANL-7304)
Prog. rpt. on Chicago air pollution system model, 5/68, 22:35940 (ANL/ES-CC-002)
System aspects and interface data sets of the Argonne Reactor Computation (ARC) System, 25:46337 (ANL-7711)
Urban atmospheric dispersion model, 24:13648 (ANL/ES-CC-5)
KENNEDY, Allen S. Computer environment report, 22:50881 (ANL-7408)
Experimental control program for fossil fuel plants during air pollution incidents, 24:5759
KENNEDY, B. J. Combination therapy with radiation and mithramycin, 23:43858
KENNEDY, B. S. Thermal conductivity of Pyro-Carb 406, 24:19492 (CONF-691002-, pp 393-419)
KENNEDY, C. Barrett Contact photodermatitis due to bithionol and related compounds, 22:8612
KENNEDY, C. R. Irradiation of graphite in HFIR, 23:4366
New developments in materials for molten-salt reactors, 24:11159
KENNEDY, D. I. Effects of double insulating layers on electroluminescence of evaporated ZnS:Mn films, 21:43663
Photoluminescence in GaP resulting from nitrogen ion implantation, 25:43462
KENNEDY, D. J. Accurate first Born approximation cross sections for excitation of helium by fast protons, 23:5239

Accurate first Born approximation cross sections for excitation of He by fast electrons, 23:12568
Born cross sections for electron and proton excitation of helium, 23:5240
Effect of electron exchange in the excitation of atomic helium by electron impact, 22:36720
Excitation of ground state of He to the 2^1P state by fast electrons, 22:36738
Excitation of helium by fast electrons, 22:36739
Excitation of helium by fast protons, 22:21897
Excitation of helium by fast protons, 22:29255
Importance of correlation in evaluation of Born cross sections, 22:29184
KENNEDY, David C. Extraction chromatography of uranium with dioctyl sulphoxide, 25:232
Sulphoxides as solvating reagents for the separation of metal ions, 25:3
KENNEDY, David Colin Sulfoxides as solvent extraction reagents for the analytical separation of metal ions, 23:43382 (IS-T-293)
KENNEDY, David James Polarization of the decametric radiation from Jupiter, 25:9158
KENNEDY, David P. Mathematical simulation of the effects of ionizing radiation on semiconductors, 23:39529 (AD-680001)
KENNEDY, E. F. Lifetimes of first two levels in ^{30}P, 21:35449
KENNEDY, E. J. Low-current measurements using transistor logarithmic dc electrometers, 24:39264
New approach to direct current integration, 21:4730 (ORNL-P-2639)
Overload protection circuit for current-feedback dc electrometers, 21:39308
Radiological instrument design, 24:25327 (ORNL-TM-2969)
Sensitivity comparison of three transistorized dc current-feedback electrometers, 22:28236
Versatile voltage sensitive preamplifier for use with photomultiplier tubes, 24:529
KENNEDY, E. R. DNA composition of Staphylococcus, 23:33677
KENNEDY, Eldredge Johnson Study of the theoretical and practical limitations of low-current amplification by transistorized current-feedback dc electrometers, 21:19989 (ORNL-TM-1726)
KENNEDY, Eugene Computation of electron transport in dielectrics, 22:31896
KENNEDY, F. D. 3344 TW oscilloscope, LE 13540-1, type OS-31, 21:12705 (EGG-1183-336)
KENNEDY, George Alvin Effects of free-radical scavengers in the radiolysis of systems containing perfluorocyclohexane, 25:15683
KENNEDY, Harold J. Search for branching in β decay of ^{42}Sc, 25:48040
KENNEDY, Hugh P. Intermediate structure in nuclear reactions, 22:48595
KENNEDY, I. Isotope uptake and scanning of stomach in man with /sup 99m/Tc—pertechnetate, 22:25919
Uptake and scanning of the salivary glands in man using pertechnetate /sup 99m/Tc, 21:39460
KENNEDY, J. Extraction of U from sea water. I, 23:6195 (AERE-R-5023)
Extraction of U from sea water. II, 23:7585 (AERE-R-5024)
Influence of high radiation levels on the retention of ruthenium in processing solvents, 22:16683
KENNEDY, J. D. Hall effect measurements in shock-loaded semiconductors, 21:33518 (SC-DC-66-2449)
KENNEDY, J. E. IIT flux compression facility, 22:21260
KENNEDY, J. E. D. Survey of radio sources observed in continuum near 1420 MHz, declinations -5° to +70°, 22:36679
KENNEDY, J. F. Liquid scintillation counting medium for aqueous samples, 24:16851
KENNEDY, J. M. HEX: computer program for solving two-group diffusion equation in hexagonal geometry, 21:7623 (AECL-1671)
TD-3: a G-20 computer program, 21:17770 (AECL-2591)
KENNEDY, J. P. Radiation induced polymerizations of α-olefines. II, 22:8097 (AEC-tr-6908, pp 64-73)
KENNEDY, J. R. Radio-absorption study at 3.5 MHz, 24:37377
KENNEDY, J. S. Thyroid carcinoma following ^{131}I therapy. Report of a case and review of the literature, 25:55343
KENNEDY, J. W. Fusion reactors and environmental safety, 25:25149
KENNEDY, James C. Antigen-specific synergism in the immune response of irradiated mice given marrow cells and peritoneal cavity cells or extracts, 24:44450
KENNEDY, John Improvements in or relating to the deionising of solutions, 22:4265
KENNEDY, Joseph P. Molecular weights and molecular weight distributions of polyisobutylenes produced by γ-irradiation, 25:54621
Radiation-induced polymerization of α-olefines. II, 21:19694
KENNEDY, K. Metallurgical characteristics of titanium-alloy foil prepared by electron-beam evaporation, 25:37935
Thermoluminescent measurement of cellular radiation dose, 21:43397
KENNEDY, Larry Zane Observable single particle states in quantum field theory, 23:39813
KENNEDY, Lawrence A. Solution for unsteady magnetohydrodynamic flow including ion-slip effects, 22:26281
KENNEDY, M. Effect of apparatus geometry on $H^+ + H$ charge exchange cross sections, 22:29302
Effect of apparatus geometry on H^+—H, H^+—D, and D^+—D charge-exchange cross sections, 23:5230
Method for determining interaction potentials from differential scattering cross sections, 22:29282
KENNEDY, M. D. Fast breeder reactor control, shield, and reflector materials development, 23:24854 (GEMP-1008, pp 275-85)
Fast breeder reactor control, shield, and reflector materials development (1220), 23:30011 (GEMP-1010, pp 291-313)
Fast breeder reactor control, shield, materials development, 24:949 (GEMP-1012(Pt.2), pp 311-64)
Fast breeder reactor control, shield, and reflector materials development, 24:14698 (GEMP-1013, pp 379-405)
KENNEDY, M. G. Effect of temperature on H atom scavenging by ethylene in the γ-radiolysis of liquid cyclopentane, 25:6378
KENNEDY, Mary Jo Evaluation of an erythrocyte kinetic test, 24:29629
KENNEDY, N. C. Aerosol preparation, generation, and assessment, Project Hare, 24:25128 (SWRHL-75-r)
KENNEDY, P. B. Small ^{3}He cyclotron, 21:27474 (UCRL-17274)
KENNEDY, P. J. Measurements of the polarization of field emitted electrons from polycrystalline gadolinium, 21:42191
KENNEDY, P. M. Spectral analysis of the manganese star HD 1909, 22:47730
Stellar spectra in cluster Messier 7, 22:29096
KENNEDY, Pamela M. Manganese star HD 1909, 23:34138
Optical interstellar absorption features, 22:38703
Stellar radial velocities from Coude spectrograms, 22:31567
KENNEDY, Patrick High gradient magnetic drift tube quadrupoles, 23:19031 (BNL-50120(Pt.1), pp 52-9)
KENNEDY, R. H. Recovery of uranium from low-grade sandstone ores and phosphate rock, 22:18900
Status report from the United States of America, 22:18991
KENNEDY, R. L. Electroslag remelting of superalloys: production melting experience, 24:32354
KENNEDY, R. P. Antiseismic design of a PWR nuclear power station, 22:37440 (HN-192)
SPECANAL: computer program, 24:31524 (HN-20-1030)
Structural response to close-in vertical ground motion from underground nuclear tests, 24:9542 (HN-20-1028)
TDYNE: computer program, 24:31523 (HN-20-1027)
User's manual for REST3 computer program to perform redundant structural analysis, 24:31165 (HN-20-1038)
KENNEDY, R. S. Static and sliding contact behavior of materials in sodium environments at elevated temperatures, 22:657 (NAA-SR-12446)
KENNEDY, Robert P. Statistical analysis of shear strength of reinforced concrete beams, 22:272 (NP-17075)
KENNEDY, Roger C. Pairing correlations in nuclear matter: a self-consistent calculation, 22:50693
KENNEDY, T. D. A. Heat transfer to gas flowing in convergent annular passages, 25:23733 (AERE-R-6564)
KENNEDY, T. E. Dynamic test of a model flexible-arch-type protective shelter: pilot test, 21:43211 (AD-651349)
KENNEDY, T. N. Properties of V pentoxide, 23:27173
KENNEDY, T. S. Gamma radiation for elimination of Salmonella from frozen meat, 25:6823
Studies on the combined effect of gamma radiation and cooking on the nutritional value of fish, 25:35272
KENNEDY, Thomas E. Comparison of simulation and field tests of a buried concrete arch structure, 22:36013 (AD-665379)
Dynamic response of buried concrete arches, 22:36012 (AD-661632)
KENNEDY, Thomas N. Electronic conduction in oxides containing vanadium, 24:6280
KENNEDY, V. S. Bibliography on effects of temperature in aquatic environment and addendum, 25:49119 (NP-18965)
KENNEDY, Vicki Irradiation studies of reconstituted nucleohistones, 24:11930 (ORO-2832-79, pp 13-41)
KENNEDY, W. J. L. Shoreham Nuclear Power Station, 23:28398
KENNEDY, W. L. Khuri analysis of eta*eta* Virasoro amplitude, 25:53162
KENNEDY, W. R. Beta radioactivity in environmental air and precipitation at Los Alamos, N. Mex., for 1966, 21:43058 (LA-3663)
Beta radioactivity in environmental air and precipitation at Los Alamos, N. Mex., 1967, 22:42868 (LA-3887)
Beta radioactivity in environmental air and precipitation at Los Alamos, N. Mex., for 1968, 23:26365 (LA-4133)
Beta radioactivity in environmental air and precipitation at Los Alamos Scientific Lab., N. Mex, 24:29391 (LA-4388)
Systems for experimental isotope irradiation in a production reactor, 22:44915
KENNEDY, W. T. Low-current beam-plasma experiments with a bearing on turbulence, 21:770
Two-beam instability. II, 21:9621
Two-beam instability. I, 21:9632
KENNEDY, Warren C. Generalized optimal performance chart for constant velocity Faraday MHD generator, 21:46211
KENNEDY, William R. Beta radioactivity in environmental air and precipitation at Los Alamos, New Mexico, 1970, 25:37786 (LA-4661)
Geology and hydrology of Mesita del Buey, 25:34846 (LA-4660)
Los Alamos Environmental Monitoring Program, 24:48463 (LA-3639)
Los Alamos Environmental Monitoring Program, 7—12/70, 25:46822 (LA-4672)
Plutonium and strontium in soil in Los Alamos, Espanola, and Santa Fe, New Mexico, areas, 25:15763 (LA-4562)
Plutonium and strontium in soil near Technical Area 21, Los Alamos Scientific Laboratory, Los Alamos, New Mexico, 25:18985 (LA-4563)
KENNEL, C. Low-frequency whistler mode, 21:7121
KENNEL, C. F. Ac electric and magnetic fields and collisionless shock structures, 24:42578
Ac fields and wave—particle interactions, 24:42594
Auroral micropulsation instability, 24:5040 (AD-691745)
Auroral micropulsation instability, 24:21686
Collisionless shock waves in high β plasmas. II, 21:31327
Collisionless shock waves in high β plasmas. I, 21:31328
Detection of electric-field turbulence in the earth's bow shock, 23:8529
Electromagnetic pitch-angle instabilities in space, 24:37359
Electron precipitation pulsations, 24:3238 (N-69-36232)
Electron precipitation pulsations, 24:5039 (AD-691744)
Electron precipitation pulsations, 24:17812
Electrostatic turbulence in bow shock magnetic structures, 24:39936
Fast time-resolved spectra of electrostatic turbulence in earth's bow shock, 24:35305
Fast time-resolved spectral analysis of vlf banded emissions, 25:27621
High-frequency electrostatic waves in the magnetosphere, 24:42592
High-frequency Hall-current instability, 25:38259
Locating the magnetospheric ring current, 25:58854
Low-frequency drift oscillations in the magnetosphere, 25:17020
Magnetosonic wave propagating across magnetic field, 23:5173
Observations of plasma waves in space, 24:37356
Prog. rpt. on magnetospheric physics, 3/67, 22:38877 (N-68-11254)
Quasi-trapped VLF propagation in outer magnetosphere, 21:13455
Quasi-trapped vlf propagation in the outer magnetosphere, 21:5129 (AD-637472)
Relativistic electron precipitation during magnetic storm main phase, 25:43243
Remote double resonance coupling of radar energy to ionospheric irregularities, 25:52717
Resonant particle instabilities in a uniform magnetic field, 21:23198
Resonantly unstable off-angle hydromagnetic waves, 21:23229
Small-amplitude waves in high-β plasmas, 23:25416
Thermal anisotropies and electromagnetic instabilities in the solar wind, 22:52332
Topside current instabilities, 25:30373
Unstable growth of unducted whistlers propagating at an angle to the geomagnetic field, 21:13454
Van Allen belt plasma physics, 24:23875
Velocity space diffusion from weak plasma turbulence in a magnetic field, 21:9573
Vlf electric field observations in the magnetosphere, 25:7235
KENNEL, C. R. Magnetic and electric field changes across the shock and in the magnetosheath, 25:27539
KENNEL, Charles F. Consequences of a magnetospheric plasma, 23:30448
Instability phenomena of the magnetosphere, 23:51523
Magnetic turbulence in shocks, 23:44279
Turbulent resistivity, diffusion, and heating, 25:38344 (CONF-710607-52)
KENNER, G. H. Effect of time and doses upon ^{85}Sr retention in rats, 25:23993 (COO-119-242, pp 282-302)
Vascular changes in bones following bone-seeking radionuclides, 23:38797
KENNER, Gerry H. Corticosteroid and bones, 25;23994 (COO-119-242, pp 312-53)
KENNER, R. F. Procurement procedures, 22:727 (BNWL-SA-1388, pp 14.1-10)
KENNERUD, Kenneth L. Electrical characteristics of silicon solar cells at low temperatures, 21:2085
KENNES, F. Catabolism of serum albumin in irradiated mice, 25:52003
Catabolism of serum proteins after x-irradiation, 21:36506
Histone-DNA ratio in lymphoid organs and liver after irradiation, 24:21079
Incorporation of labeled amino acids into serum and tissue proteins from normal and x-irradiated mice, 21:24331
Serum albumin pools after x-irradiation, 24:9947
KENNETH, P. Optimal power reduction in a thermal nuclear reactor, 22:50873
KENNETH, T. J. Study of $^{23}Na(n,\gamma)^{24}Na$ and $^{27}Al(n,\gamma)^{28}Al$ reactions, 23:34767
KENNETT, T. J. A time-to-amplitude converter calibration module, 24:9720
Beta decay of ^{87}Kr, ^{88}Kr, and ^{88}Rb, 23:15397
Direct compensation for intensity losses due to random-summing effects in solid-state and scintillation spectrometers, 23:26568
Estimation of number of degrees of freedom of nuclear reaction widths distributions, 23:15506
Inelastic neutron scattering with fission neutrons, 25:46002
Intermediate energy gamma-ray cross sections, 25:36799
Irradiation facilities: their importance in developing Canadian nuclear competence, 25:51665 (A/CONF.49/P-152)
Irradiation facility, 24:31109
Level structure of ^{88}Rb, 24:26602
Lifetime measurement of the 46-keV state in ^{76}As, 22:50588
Linearity measurement technique for analogue-to-digital converters, 22:14886
Numerical construction of decay schemes, 25:5635
Reaction $^{35}Cl(n,\gamma)^{36}Cl$, 24:47622
Reaction $^{40}Ar(n,\gamma)^{41}Ar$, 21:33925
Reaction $^{51}V(n,\gamma)^{52}V$, 22:1635
Reaction $^{75}As(n,\gamma)^{76}As$, 22:32547
Study of $^{28}Si(n,\gamma)^{29}Si$ and $^{35}Cl(n,\gamma)^{36}Cl$ reactions, 23:34740 (ANL-7282, pp 319-25)

  - Study of the ^{31}P(n,γ)^{32}P reaction, 21:44655
  - Study of the gamma radiation following thermal neutron capture by silicon, 21:25498
  - Study of the gamma radiation following neutron capture in copper, 21:33937
  - Study of thermal neutron capture in sulfur, 21:23449
  - Study of thermal neutron capture in potassium, 24:47624
  - Thermal neutron capture in strontium, 24:13314
- KENNEY, E. Effects of surface irregularities on radiation levels, 22:38248 (AD-664759)
  - Wide range digital nuclear instrumentation channel, 21:38745 (NYO-3738-7)
- KENNEY, E. S. Digital reactor period computations, 24:11253 (CONF-690102-, pp 479-96)
  - Local in-core power measurements with out-of-core gamma detectors, 23:15745
  - Local in-core power measurements with out-of-core gamma detectors, 24:47966 (CONF-680980-, pp 103-22)
  - Microwave diagnosis of a plasma generated in a reactor and its use as a reactor power monitor, 22:37585
  - Space-time study of a pulsed reactor, 23:4332
- KENNEY, Edward S. Control of neutron beams by vibrating crystals, 25:50595 (CONF-710402-(Vol.2), pp I.22-32)
  - Localization of in-core distrubances with ex-core detectors, 23:15621
  - Localization of in-core disturbances with external gamma-ray detectors, 22:33048
  - Penn state TRIGA reactor, 23:47238 (CNM-R-2(Vol.1), pp 390-407)
- KENNEY, Francis T. Hormonal regulation of enzyme synthesis, 22:7955 (ORNL-P-3466)
- KENNEY, G. N. Personnel dosimetry with single crystals of lithium fluoride, 21:26224 (CONF-650637-, pp 217-26)
  - Thermoluminescent dosimetry, 23:17807
  - Thermoluminescent reading instrument for milliroentgen exposure levels, 21:12685 (COO-1105-106)
- KENNEY, Geraldine A. Delayed absorbance following nanosecond pulse radiolysis of water, 24:41353
  - Nanosecond pulse radiolysis and nonhomogeneous kinetics involving hydrated electrons, 23:28915
- KENNEY, Gordon N. Molybdenum-99—/sup 99m/Tc generator, 24:18997
  - Radiation dosimetry and its application to therapy of uterine cancer, 23:834
  - Radiation hazard from chest x rays, 23:29867
  - Simple TLD reader utilizing a conventional scaler, 21:12686 (COO-1105-108)
- KENNEY, J. F. Experimental evaluation of various rigidity models, 21:5095
  - Experimental evaluation of various rigidity models, 22:2868
  - Longitudinal spread of Pc1 micropulsations in magnetosphere, 22:22032
  - Magnetospheric parameters determined from structured micropulsations, 22:34365 (D-1-82-0691)
  - Magnetospheric parameters determined from structured micropulsations, 23:1291
  - Micropulsations: a diagnostic tool, 25:5028
  - Proton densities in the magnetosphere from pearl dispersion measurements, 21:41913
  - Systematic study of structured micropulsations, 21:29142
- KENNEY, P. Observations of an I = 0 $\pi^-\pi^+$ resonance at a mass of 1.05 GeV, 22:41739 (COO-1428-84)
- KENNEY, R. W. Branching ratio GAMMA(eta $\rightarrow$ 3π^0)/GAMMA(eta $\rightarrow$ 2γ) measured using 4π spark chamber, 22:7425
  - Improved liquid hydrogen differential Cherenkov counter, 23:21967
  - Liquid H focusing Cherenkov counter, 21:10610 (UCRL-17129)
  - Pion—antipion lifetime comparison, 21:25276
  - Refractive index of liquid deuterium, 23:47840
- KENNEY, Robert W. Charged-pion lifetime and a limit on a fundamental length, 24:3547
  - Comparison of π^+ and π^- lifetimes, 21:33596
  - Comparison of π^+ and π^- lifetimes to check CPT invariance, 22:44466 (UCSB-34-P-135-6)
  - Liquid hydrogen and deuterium differential Cherenkov counters, 22:47374 (UCSB-34-P-135-7)
  - Precise comparison of π^+ and π^- lifetimes, 22:39247
- KENNEY, V. P. Application of Veneziano model in reaction π^+d $\rightarrow$ d$\pi^+\pi^-\pi^+$ at 5.4 GeV/c, 24:6689 (COO-427-97)
  - Application of Veneziano model in reaction π^+d $\rightarrow$ d$\pi^+\pi^-\pi^+$ at 5.4 GeV/c, 24:12954
  - Bubble density in the Brookhaven 80-inch HBC, 21:16121 (CONF-660918-, pp 145-8)
  - Dipion effective mass distributions for the π^-p interaction at 8.09 GeV/c, 21:18912
  - Evidence for vector meson exchange in rho$^-$ production at 8 GeV/c, 21:11740
  - Examination of rho^0 density matrix elements used for vector-dominance-model tests, 24:37795
  - Experiments to study meson resonances, 24:51956 (TID-25473(Vol.4), pp 237-66)
  - Longitudinal- and transverse-momentum distributions for π^- mesons in 18.5-GeV/c π^{+-}p interactions, 25:38671
  - Low energy $\pi\pi$-phase shifts from Coulomb interference, 22:48312
  - Neon—hydrogen mixtures and track-sensitive targets for bubble-chamber experiments at NAL, 24:50610 (TID-25473(Vol.2), pp 249-54)
  - Observation of a rho$^-$rho^0 enhancement at 1710 MeV, 22:37089
  - Observation of reaction π^-p $\rightarrow$ p anti p n at 8 GeV/c, 22:5515
  - Pion production in π^--p interactions at energies 790, 830, and 870 Mev, 21:881
  - Reaction π^- p $\rightarrow$ $\pi^-\pi^+$n at 8 GeV/c, 22:5513
  - Reaction π^+p $\rightarrow$ p$\pi^+\pi^+\pi^-\pi^0$ at 18.5 GeV/c, 24:45440
  - Reaction π^-p $\rightarrow$ $\pi^-\pi^0$p at 8 GeV/c, 24:3533
  - Reactions π^-p $\rightarrow$ p$\pi^+\pi^-\pi^-\pi^0$ and π^-p $\rightarrow$ n$\pi^+\pi^+\pi^-\pi^-$ at 8 GeV/c, 24:28496
  - Resonances produced in reaction π^-p $\rightarrow$ $\pi^-\pi^-\pi^+$p at 8 GeV/c, 22:20151
  - Spacing of coils of 25-ft bubble chamber, 24:50598 (TID-25473(Vol.2), pp 173-4)
  - Strong-interaction physics in the 25-ft bubble chamber, 24:50587 (TID-25473(Vol.2), pp 1-3)
  - Structure in the f^0 and g^0 dipion mass regions, 24:42881
  - Study of I = 0 $\pi^-\pi^+$ resonance at mass of 1.06 GeV, 23:3652
  - Study of the πrho system in the reaction π^- + p $\rightarrow$ π^- + rho^0 + p at 8 GeV/c, 21:29462
  - Total pion—pion cross sections for 2-GeV di-pion mass region, 21:15356
- KENNING, D. B. R. Flow patterns near nuclei and the initiation of boiling during forced convection heat transfer, 21:41132
- KENNINGTON, Garth S. Activation analysis of soluble and fixed sodium in mammalian hair, 21:21898
- KENNISON, Max C. Recent improvements in ^{3}He solid state neutron spectrometry, 21:32452
- KENNISON, R. G. Rover computer program for flow-induced, self-excited vibration of blade in flow channel, 23:9641 (KAPL-M-6926)
  - RVIB: computer program for flow induced self excited vibration of blade suspended in flow channel, 21:36230 (KAPL-M-6721)
  - Theoretical analysis of flow-induced vibration of a blade suspended in a flow channel, 21:6127 (KAPL-M-6559)
- KENNY, A. W. British approach to environmental monitoring, 23:50545
  - Radioactive contamination arising from the peaceful uses of atomic energy, 24:7829
  - United Kingdom waste-management policy, 25:21345
- KENNY, Alexander D. Neutron activation analysis of rat bone: simultaneous determination of calcium, chlorine, magnesium, and sodium, 25:15558
- KENNY, B. G. Calculation of Reepsilon for the K^0—anti K^0 system, 24:13132
  - Consequence of T violation in K/sub l3/ decay, 23:27842
  - Form factors for K/sub l3/ decays, 23:32687
  - Unitarity and the phase of the mixing parameter in superweak theories, 24:40335
- KENNY, Brian G. Charge asymmetry in K$_2^0$ $\rightarrow$ π^{+-}l$^{-+}\nu$, 23:25674
  - Parameter xi in K/sub l3/ decay, 22:32102
  - Phenomenonological model of T violation in nonleptonic decays, 22:5623
  - Spectrum correction factors in eta, K $\rightarrow$ 3π decay, 23:5574
  - Structure in eta, K $\rightarrow$ 3π decay, 23:15053
- KENNY, Frederic M. Radioimmunoassayable serum LH and FSH in girls, 24:4544
- KENNY, John Joseph Electric dipole radiation in isotropic and uniaxial plasmas, 23:27634
- KENNY, M. J. Compilation of keV neutron capture gamma rays in mass range A = 40-70, 24:8855 (AAEC/E-200)
  - Elastic and inelastic scattering of 30.4-MeV protons by ^{54}Fe, 21:27541
  - keV neutron capture in nickel, 23:7266
  - keV neutron capture in the mass region A = 40 to 70, 24:47611
  - Lucas Heights three million volt accelerator, 24:3821
  - Neutron resonance measurements with a germanium detector, 23:1830
  - New design for a liquid helium polarimeter, 23:734
- KENNY, M. T. Inactivation of Rubella virus by gamma radiation, 24:8027
- KENNY, P. Free radicals in irradiated animal tissues, 24:610
- KENNY, P. J. Detection of neoplastic bone lesions, 23:35794
  - Kinetics of radionuclides used for bone studies, 24:14542
  - Methods and applications of quantitative computer-analyzed scanning, 23:6491 (NYO-910-76(App.1))
  - Quantitative computer-analyzed scanning, 23:33618
- KENNY, Peter Metabolic studies in patients with bone and parathyroid disease, 23:12148 (NYO-910-75, pp 10-26)
  - Radioactive isotope instrumentation, data analysis, and organ scanning studies, 23:12147 (NYO-910-75, pp 2-10)
- KENNY, Peter J. Advanced imaging systems: the better mousetrap, 25:32244
  - Reduction of physiologic degradation in imaging the liver, 25:24258
  - Spatial resolution and count rate capacity of a positron camera, 25:21412
- KENSLER, C. J. Spleen colony studies of leukemia L1210. VII, 24:27666
- KENSON, Robert E. Boron hydrides. XII, 22:2079
  - Kinetic isotope effects upon the hydrolysis of pyridine arylboranes, 21:17629
- KENSON, Robert Earl Isotope effects for borohydride ions, 21:21906
- KENT, A. Plasma fluctuations and convective modes, 23:14841
  - Stability of laminar magnetofluid flow along a parallel magnetic field, 23:12623
  - Tearing-mode instability, 25:27751
  - Trapped particle instability in axisymmetric toroidal systems, 23:32478
- KENT, C. E. Effluent control from boiling-water reactors, 24:45910 (CONF-700810-23)
- KENT, Clifford E. Ion exchange separation processes for niobium and tantalum, 22:6940
- KENT, D. C. In vivo responses of human lymphocytes to PPD, 23:24560
- KENT, D. W. Cosmic-ray intensity variations in the lower atmosphere, 25:22390
- KENT, Douglas A. Preliminary user's manual for STAR system software, 25:54390 (UCID-30021)
- KENT, Frederick S. X-ray fluorescence: detection of lead in wall paint, 25:35043
- KENT, G. S. High-frequency observations of equatorial sporadic-E irregularities, 21:11514
  - Model for the interpretation of ionospheric drifts measurements, 21:11505
  - Nighttime F-layer irregularities at the equator, 21:11504
- KENT, Gerald I. Plasma flute modes in a nonuniform electric field, 23:8639
  - Transverse Kelvin—Helmholtz instability in rotating plasma, 23:48927
- KENT, Gordon Absorption spectrum of a magnetoplasma dielectric in a resonant cavity, 22:22164
  - Cavity resonators containing magnetoplasmas, 24:40057 (AD-703743)
  - Numerical solution of a Volterra integral equation, 23:30585
  - Resonant frequencies and fields in a cavity containing a magnetoplasma dielectric, 23:7010
  - Studies of cavity resonators containing magnetoplasmas, 24:51625
  - Temperature effects on whistler resonance, 22:1160
- KENT, J. A. Radiation induced polymerization of vinyl monomers impregnated in wood, 21:25874 (ORO-2945-8)
  - Radiation-induced polymerization of vinyl monomers impregnated in wood, 23:26277
- KENT, J. J. Decay of the 11.80 MeV isobaric analog resonance in ^{93}Tc, 23:5910
  - Detection of internal conversion electrons in charged particle spectra, 24:13313 (TID-25300)
  - Detection of internal conversion electrons in charged particle spectra, 24:29506
  - Reaction ^{92}Mo(p,p'γ) via isobaric analog resonances, 24:6945
  - Single-particle states built on the second 0$^+$ state in ^{90}Zr, 21:17381
  - Threshold effect in ^{93}Nb(d,p)^{94}Nb, 25:12588
  - Weak-coupling states in odd Zr isotopes, 25:1750
- KENT, James A. Fastening of wood—plastic combinations, 21:40737 (ORO-2945-9)
  - Prog. rpt. on preparation of wood—plastic combinations using gamma radiation to induce polymerization, 3/67, 21:21971 (ORO-2945-7)
- KENT, James J. Experimental observation of the coupling of the analogous channels in a (d,p) and (d,n) reaction, 21:2757
  - Isobaric analog resonances in ^{92}Zr(p,p'), 24:24577
  - Isobaric-analog study of ^{90}Zr, 23:7300
  - Nuclear-structure study of ^{92}Mo, 24:24576
  - Proton decay of analog resonances in ^{93}Nb, 25:12564
- KENT, James Joseph Isobaric analog resonances in ^{90} ^{92}Zr(p,p'), 24:30859
- KENT, Paul R. Laser-induced pathology of rabbit retina, 24:27683
- KENT, R. A. Mass spectrometric studies of plutonium compounds at high temperatures. II, 22:50963
  - Mass spectrometric studies of Pu compounds at high temperatures. I, 22:37713 (LA-3902)
  - Mass spectrometric studies of Pu compounds at high temperatures. III, 24:19451
  - Mass spectrometric studies of Pu compounds at high temperatures. IV, 24:19507
  - Thermodynamic properties of Pu—C system, 25:11506
- KENT, R. H. Highlights of Y-12 bioanalysis laboratory operation, 21:4440 (Y-KG-36)
- KENT, Roy A. R. On-line computer and data transmission network supporting two nuclear analytical laboratories, 23:717 (ARH-SA-19)
- KENT, Thomas H. Effects of altered propulsion on rat small intestinal flora, 25:26975
  - Intestinal flora in whole-body and intestinal x-irradiated rats, 23:6620
- KENTON, B. Photoproduction of π^0 from H near the second and third pion—nucleon resonances, 21:37706
- KENTON, Bernard Compton scattering from protons at 90° in the energy range 550 to 1130 MeV, 22:15750
- KENTON, Dolores M. Uv-induced colicines of E. coli from normal human intestine, 21:36772
- KENTY, Carl Diffuse continua-emitting discharges in the rare gases with and without nitrogen, 22:5373
- KENWORTHY, C. M. Proper motion search for pulsars, 22:41257
  - Revised identification of radio source OQ 208, 24:51312
- KENWORTHY, Cecilia M. Membership of the Coma star cluster, 24:15046
- KENWORTHY, H. Tungsten whiskers by vapor-phase growth, 22:23725 (BM-RI-7118)
  - Vapor deposition of Mo—W alloys, 21:464 (BM-RI-6853)
- KENYERES-URSU, V. Studies in the field of polyethylene. IV, 24:36324
- KENYON, Albert Raymond Deuterium concentration processes, 22:40195
- KENYON, B. A. Proton-induced contaminant film effects on ultraviolet reflecting mirrors, 25:23936
- KENYON, Bruce A. Proton induced effects on reflective surfaces of space mirrors, 24:27484 (N-70-20665)
- KENYON, D. B. Coulomb excitation of Pt nuclei, 25:17904
  - Electromagnetic properties of levels of ^{192}Pt and ^{194}Pt, 24:43400
  - Nuclear g factors of 2+ levels in ^{194}Pt, 25:15034
  - Nuclear g factors of three levels of ^{192}Pt, 24:1838
- KENYON, Dean H. Mechanism and protobiochemical relevance of dicyanamide-mediated peptide synthesis, 21:4432 (UCRL-16806, pp 44-52)
- KENYON, George L. Mandelic acid racemase from Pseudomonas putida. Evidence favoring a carbanion intermediate in the mechanism of action, 25:93
- KENYON, I. Electromagnetic radius of the pion, 22:34829
  - Measurement to nuclear radius of ^{4}He, 22:20439
- KENYON, I. R. Analysis of 28.5 GeV/c pp interactions producing 6 or more charged particles, 23:34525 (BNL-13694)
  - Analysis of the reaction pp $\rightarrow$ pp$\pi^+\pi^+\pi^-\pi^-$ at 28.5 GeV/c, 24:3701

  - Impulse-model calculations of Σ-hyperon conversion process in light nuclei, 22:35019
  - Interactions 28.6 GeV/c p—p with 6 charged particles in final states, 22:15670 (BNL-11993)
  - L-meson in 10 GeV/c K^+p interactions, 25:17399
  - Neutral πrho enhancements produced in 8-GeV/c π^+d interactions, 23:36848
  - Northwestern University 50 cm liquid helium bubble chamber, 22:47380
  - Northwestern University 50-cm liquid He bubble chamber, 21:16119 (CONF-660918-, pp 134-9)
  - Observation of reaction $K^- + {}^4He \rightarrow \Lambda^0 + \pi^- + p + d$, 22:15692
- KENYON, Malcolm H. 300 pound gas test report (28-IV-16006), 25:37070 (TODD-N-16)
  - 500 pound gas test continuation series report (28-IV-16011), 25:37074 (TODD-N-23)
  - 500 pound gas test report (28-IV-16008), 25:37071 (TODD-N-18)
  - 700 pound gas test report (28-IV-16009), 25:37072 (TODD-N-20)
  - Gas test series addendum tests and synoptic evaluation (28-IV-16012), 25:37075 (TODD-N-24)
  - Second 300 pound gas test (28-IV-16010), 25:37073 (TODD-N-21)
- KENYON, R. G. Status of Visual Techniques Laboratory, 25:6568 (MIT-2098-660, pp 114-62)
- KENYON, R. S. Homogeneous and heterogeneous metal-catalysed isotopic H exchange in alkylbenzenes, 24:38827
- KENYON, Raymond G. Berkeley on-line CRT film scanners, 21:14440 (UCRL-17120)
- KENYON, Richard Albert Optimized figure of merit for a plasma thermocouple, 21:18496
- KEOEMLEY, G. Gamma-spectrometric wear test performed on simultaneously working parts, 25:51724
- KEOGH, T. J. Westinghouse PWR, 22:46945
- KEOMLEY, G. Investigation of the filters of diesel-powered vehicles with radioisotopes, 22:23234
- KEOUGH, R. F. Alimentary passage of allyl inulin, 21:14673 (BNWL-280, pp 12)
  - Determination of Pu in biological materials, 24:16450
  - Pacific northwest laboratory manual of procedures for the analysis of metallic sodium, 25:4 (BNWL-MA-76(Rev.2))
- KEPA, R. New band system in CO molecule emission spectrum, 25:34595
- KEPAK, F. Foam separation of radioruthenium, 25:238
  - Self-diffusion coefficients of ^{106}Ru and ^{106}RuNO in ionic and colloidal states, 24:20776
  - Self-diffusion of race concentrations of ^{144}Ce, ^{147}Pm, and ^{155}Eu in water solutions, 25:6325 (UJV-2467-Ch)
  - Separation of radioruthenium, 23:26331
  - Separation of ruthenium and nitrosylruthenium radiocolloid, 21:30506 (UJV-1697)
  - Sorption of ^{35}S, ^{131}I, and ^{106}Ru on hydrated oxides in laboratory columns, 21:1443
  - Sorption of radioruthenium in colloidal and ionic state on ferrous hydroxide, 21:30507 (UJV-1733)
  - Sorption of radioruthenium in colloidal and ionic state on ferrous hydroxide formed by electrodissolution of iron anode, 22:27720
  - Study and separation of Ru and nitrosylruthenium radiocolloid by the method of ultrafiltration, centrifugation, and adsorption, 21:43037
  - Technique for removing radioactive elements of group VIII of periodic table, 24:33774
- KEPAK, Frantisek Decontamination of radioruthenium from radioactive waters by sorption on inorganic and organic sorbents, 22:36018
  - Fission products sorption in the suspension of natural sorbents coagulated by electric current, 21:30519
- KEPERT, D. L. Eight-coordinate complexes of niobium, tantalum, and uranium tetrahalides, 25:12979
- KEPFORD, C. R. ESR study of behavior of H atoms trapped in frozen $HClO_4$ solutions, 24:33737
  - Stability of H atoms in irradiated aqueous solutions, 23:33238
- KEPHART, W. L. Dynamic programming algorithm of ^{233}U production facilities, 22:14672 (K-1712)
- KEPLER, R. G. Generation and recombination of holes and electrons in anthracene, 21:2322
  - Photoconductivity processes in low mobility organic materials, 22:33401
- KEPLIN, E. J. High-temperature thermal expansion of certain group IV and group V diborides, 21:18336
- KEPNER, G. R. Membrane enzyme systems: molecular size determinations by radiation inactivation, 22:51412
- KEPNER, Gordon R. Molecular weight estimation of membrane bound ATPase by in vacuo radiation inactivation, 22:25745
- KEPNER, Gordon Rolfe Membrane enzyme systems, 23:9886
- KEPNER, M. Spiral-arm structure and high-velocity gas at intermediate latitudes, 24:28044
- KEPNER, Richard E. Prog. rpt. on ^{90}Sr and ^{137}Cs food chain relationships to deer and sheep, annual, 6/66—6/67, 22:6774 (UCD-34-P-104-8)
  - Prog. rpt. on ^{90}Sr and ^{137}Cs food chain relationships to deer and sheep, 6/15/67—6/16/68, 23:2826 (UCD-34-P-104-12)
- KEPP, R. Risk of damage to the first succeeding generation (F_1 generation) following gonadal irradiation, 21:6641
  - Time factor dependence of the biological effectiveness on the individual dose, 22:51759
- KEPPEL, E. Analysis of 1660 MeV 3π-resonance "A_1," in 8 GeV/c π^+p interactions, 23:3655
  - Analysis of K^*(1320) and L-meson, 23:8745,
  - BERTA: a FORTRAN program for automatic recognition and reconstruction of bubble chamber events. I, 25:13243 (CERN-70-21(Vol.1), pp 125-39)
  - BERTA: a FORTRAN program for automatic recognition and reconstruction of bubble chamber events. II, 25:13244 (CERN-70-21(Vol.1), pp 141-75)
  - Heidelberg automatic event recognition, 25:13241 (CERN-70-21(Vol.1), pp 105-11)
  - Heidelberg automatic recognition of bubble chamber events, 25:6563 (MIT-2098-660, pp 37-75)
  - K^-p elastic scattering at 10 GeV/c, 21:21141
  - Mass dependence of the small angle differential cross section for high energy interactions, 22:44338
  - $\pi\pi$ scattering effects in π^+p interactions at 8 GeV/c, 25:59296
  - Six-prong π^-p interactions, 23:13040
  - Software system for the automatic recognition of bubble chamber events, 25:49014
  - Structure in differential cross section distributions of two-body reactions in 8 GeV/c π^+p interactions, 23:8747
  - Total and differential cross sections in 10 GeV/c K^-p interactions, 22:50299
- KEPPEL, H. Conditions affecting the accumulation of long-lived radionuclides by plants, 24:7788
- KEPPELER, R. Diffusion in Mo—Nb, Mo—Al, and Nb—Al, 24:10088
- KEPPEL-JONES, Michael Anthony Light-cone expansions and deep inelastic electron and neutrino scattering, 25:47791
- KEPPLE, P Improved Stark profile calculations for the H lines Hα, Hβ, Hγ, and Hdelta, 22:41562
- KEPPLE, P. Stark-broadened profiles of H_6—H_{11} from low-density plasma, 24:19877
  - Statistical mechanics of a partially ionized hydrogen plasma, 24:23979
  - Thermodynamic functions of free protons and electrons in a hydrogen plasma, 22:9359
- KEPPLE, Paul Stark-profile calculations for first four hydrogen Balmer lines, 24:48999 (SC-M-70-584)
- KEPPLE, Paul C. Stark broadening of H/sub β/, H/sub γ/, and H/sub delta/, 25:16784
- KEPPLE, Paul Clarence Jr. Statistical mechanics of a partially ionized hydrogen plasma, 21:42118
- KEPPLER, E. Energy variations of auroral electrons according to balloon measurements, 21:7100
  - Rocket experiments for the investigation of Northern Lights, 22:11326
  - Use of ^{32}P in mutation breeding in summer wheat, 21:20146
- KERACHEV, P. Joint resonance production in 4-prong π^+-p interactions at 2.34 GeV/c, 23:23471 (JINR-P1-4330)
  - Method of determining the electron and positron track parameters taking into account the radiative losses, 25:422 (JINR-P1-5357)
- KERACHEV, P. P. Study of π^+ meson—proton interaction at 2.34 GeV/c, 22:1388
- KERACHEV, Pavel P. Interactions of π^+-mesons with protons at 2.34 GeV/c, 22:24553
- KERBE, F. G. Effect of irradiation with thermal neutrons on certain electric properties of ceramics from pure aluminum oxide, 21:31116
- KERBEL, Sheldon J. Radiation sensitive notch pattern detection system, 25:18818
- KERBER, G. Distribution of charge of accelerated ion bulks in the Rossendorf cyclotron, 23:44788
- KERBIKOV, B. O. New type of baryon resonances, 25:59500
- KERBLAI, T. S. Ionospheric observations at Kerguelen—Sogra, 22:34468
- KERBLAY, T. Observations of F2 layer in conjugate magnetic regions, 23:46387
- KERBLAY, T. S. Dependence of f_0E/sub s/ on magnitude of absorption, 22:15460
  - Dependence of the E/sub s/ layer on solar activity, 21:25005
  - Propagation on one-hop radio links in presence of f_0F_2 gradients, 25:22439
  - Synoptic observations of F2 layer of ionosphere, 23:10546
  - Variations of maximum electron concentration in the F2 layer with solar activity, 21:5177
- KERBRAT-LUNC, Helene Conform group on space—time curve and associated Yang and Mills field, 22:24718
  - Nonstationary Yang—Mills field associated with the SO(3) group, 25:14779
  - Yang—Mills field, 25:22884
- KERCH, R. L. Quantization of Coulomb wave vectors and application to ionization, 24:21599
- KERDELHUE, Bernard Radioimmunoassay of ovine FSH, 25:16049
- KERDEMELIDIS, Vassilios Beaming of electromagnetic radiation by planetary ionospheres, 25:945
- KERE, S. S. Fission-track ages of Indian micas, 21:8433
- KEREALISHVILI, N. A. Instabilities in a low-pressure discharge in a transverse magnetic field, 23:5441
- KEREBEL, B. Pathogenesis or postradiotherapy and postcobaltotherapic dental lesions, 21:28646
- KEREEV, Ya. A. Mercury and Cs as working media for studies of certain properties of MHD generators working in Rankine cycle, 22:52557 (CONF-680704-3)
- KEREIAKES, J. G. Comparison of radioisotope imaging devices using plane source distributions, 25:399
  - Cytologic-biochemical radiation dosimeters in man, 25:42406
  - Digital ratemeter system for rectilinear scanning, 24:50570
  - Method of gamma-ray transport simulation in inhomogeneous media, 21:15215
  - Preliminary studies on the luminescence efficiency of biological compounds, 25:365 (AD-806313)
  - Radiation exposure from radiopharmaceuticals in children, 23:12111
  - Scintillation response of pressed silicon-treated alkali halide powders, 22:23272
  - Simplified method for determination of ^{59}Fe and ^{55}Fe in plasma using liquid scintillation counting, 23:11441
  - Specific proteins in serum of total-body irradiated humans, 21:8938
  - Total- and partial-body counting of children for radiopharmaceutical dosimetry data, 24:50881 (CONF-691212-, pp 133-56)
- KEREIAKES, James Dose during radioisotope procedures, 24:29746 (DMRE-69-3, pp 153-71)
- KEREIAKES, James G. Measuring thyroidal uptake of ^{131}I, 21:20261
  - Prog. rpt. on metabolic changes in humans following total-body irradiation, summary, 2/60—4/66, 22:549 (AD-646667)
  - Prog. rpt. on metabolic changes in humans following total-body irradiation, annual, 5/66—4/67, 24:9903 (AD-693104)
  - Prog. rpt. on radiation effects in man, annual, 5/68—4/69, 25:49250 (AD-714490)
  - Radiation-induced urinary excretion of deoxycytidine, 22:43461
  - Radiopharmaceutical dosimetry in pediatrics, 22:33826
- KEREIAKES, James O. Prog. rpt. on radiation effects in man, annual, 5/67—4/68, 24:8007 (AD-692167)
- KEREK, A. Excited nuclear levels in doubly even Xe isotopes populated in (α,2n) reactions, 23:9001
  - High-spin states in odd Xe nuclei, 24:13357
  - Isomeric state in ^{133}Xe, 24:18442
  - Level systematics of even—even Te and Xe isotopes, 22:27160
  - Levels in doubly even Te isotopes ^{114} ^{116} ^{118}Te populated (α,2n) reactions, 23:49428
  - Levels in doubly-even tellurium isotopes, 25:28330 (CERN-70-30(Vol.2), pp 1010-11)
  - Two- and three-quasiparticle states in ^{133}Xe and ^{131}Xe, 25:50743
- KEREKATTE, S. S. Elastic scattering of alpha particles by ^{24}Mg, 21:15516 (CONF-660221-, pp 120-2)
  - Levels in ^{28}Si, 22:32559
  - Reaction ^{13}C(α,n)^{16}O cross section between 1.95 and 5.57 MeV, 21:29904
  - Reactions ^{13}C(α,n)^{16}O and ^{51}V(p,n)^{51}Cr, 21:15486 (CONF-660221-, pp 93-7)
  - Search for 1.65- and 1.83-MeV levels in ^{27}Al, 21:19210
  - Spin and parity assignment to the level at 14.378 MeV in ^{28}Si, 23:19210
  - T = 2 state in ^{28}Si, 24:15829
  - Thin carbon films for target backings, 21:37978
  - Total cross-section measurement in the ^{37}Cl(p,n)^{37}Ar reaction, 25:50703
- KEREKATTE, U. S. Personnel monitoring system for radiation accidents, 23:47772
- KEREN, J. Electromagnetic radius of the pion, 22:34829
  - Low-momentum K^-—^{4}He scattering, 24:24247
  - Measurement to nuclear radius of ^{4}He, 22:20439
  - Northwestern University 50 cm liquid helium bubble chamber, 22:47380
  - Northwestern University 50-cm liquid He bubble chamber, 21:16119 (CONF-660918-, pp 134-9)
- KERER, G. Prog. rpt. on gasdynamics in MHD flow, final, 1/31/63-12/31/65, 21:656 (AD-628917)
  - Prog. rpt. on methods in magnetohydrodynamics, final, 1/1/63—12/1/66, 21:41874 (AD-645632)
- KERES, Kh. Physical interpretation of solutions of Einstein equations, 21:20788
- KERESZTES, L. Incorporation of ^{32}P into Drosophila melanogaster larvae of different ages, 22:23460
- KERESZTURY, G. Pyridine-N-oxide: vibrational assignment and thermodynamic quantities, 25:2163
- KERFOOT, E. G. Twelve inch, 90 degree sector single focusing mass spectrometer for the analysis of corrosive gases, 21:40
- KERIMOV, A. A. Thermomagnetic effects in alloys of Ni with Cr, Mo, and W, 24:40190
- KERIMOV, B. K. Bremsstrahlung in scattering of neutrinos by electrons taking into account radiative corrections, 25:14600
  - Bremsstrahlung of nonpolarized and longitudinally polarized electrons, 25:56862
  - Coupling of the nucleonic and muonic currents in elastic neutrino—nucleon interactions, 22:26622
  - Divergence in radiative corrections to neutrino—electron scattering and neutral currents, 25:25394
  - Effect of finite dimensions of nucleus with magnetic dipole moment on photoproduction of pairs, 25:17427
  - Effect of finite size of nuclei on bremsstrahlung of longitudinally polarized electrons, 24:35913
  - Effects of form-factors and polarization in anti $p + n \rightarrow W^- \rightarrow l +$ anti τ/sub l/ reaction, 22:39388
  - Electromagnetic corrections for neutrino (antinuetrino)—nucleon interaction with lepton formation, 23:5587
  - Energy spectra of neutrino and antineutrino scattering on electrons, 21:44335
  - Influence of electric and magnetic multipole nuclear moments on the photoproduction of electron-positron pairs, 24:18139
  - Influence of the finite dimensions of a nucleus with magnetic moment on the bremsstrahlung of polarized electrons, 21:44767
  - Influence of the nuclear magnetic moment on the bremsstrahlung of longitudinally polarized electrons, 21:17419
  - Investigation of possible anapole and electric dipole moment of proton with help of annihilation reaction p anti p reversible e^+e^-, 25:12224
  - Leptonic decays of vector mesons, 25:9766
  - Neutrino annihilation of a lepton—antilepton pair, 21:17095
  - Neutrino annihilation of electrons and positrons, 21:18967
  - Polarization dependence of elastic lepton (antilepton nucleon electromagnetic scattering), 22:39329
  - Polarization dependence of elastic lepton (antilepton) nucleon electromagnetic scattering, 25:1452
  - Polarization during photoproduction of electron—positron pairs, 25:27996
  - Possibility of obtaining complex form factors from experiments with polarized particles, 21:9746
  - Radiative corrections to neutrino annihilation of lepton—antilepton pair, 23:15019
  - Spin dependence of neutrino—nucleon interactions with muon production, 22:11635

Two-component and four-component theories of neutrino, 25:59407
KERISEL, J. B. Calculation of loads due to gusts, 22:25231 (SC-T-68-1504)
KERJEAN, J. Packaging for transport of radioactive materials, 22:289
KERJEAN, Joel Irradiation apparatus, 22:10461
KERKDIJK, C. B. W. Efficiency of flux pumping into superconducting circuits, 23:42217
KERKER, M. Collection efficiency of water droplets falling through an aerosol, 23:29065
Collection efficiency of water droplets in AgCl aerosol, 25:26370 (CONF-700601-, pp 161-7)
KERKER, Milton Prog. rpt. of scavenging of aerosol particles by falling macroscopic particle, 1/70—12/70, 25:23716 (NYO-3847-2)
KERKHOFF, R. E. Capsule design for dynamic in-pile friction experiments, 24:16740 (CONF-690910-, pp 742-58)
KERKHOF MOGOT, M. E. Determination of fat in milk, 23:45215
KERKIS, A. Yu. Effectiveness of induced interaction of mass of conducting gas with electric circuit connected to external emf, 25:40433
KERKIS, J. J. Distant mutagenic effects of ionising radiation in mammals, 21:43361
KERKIS, Yu. A. Status of problem of radiosensitivity, 21:34796
KERKIS, Yu. Ya. Comparative study of free radicals and radiosensitivity of seeds, 22:23424
Effect of adrenalectomy on radiosensitivity of chromosomes of Wistar rats, 22:4596
Effect of saline extracts derived from mouse tissues upon irradiated hereditary structures, 25:16097
Effect of storing irradiated peas at a temperature of —196°C, 21:18183
Radiosensitivity of chromosomes in fibroblasts of mammalian species, 23:2812
Radiosensitivity of chromosomes in organs of mice embryos, 22:51515
KERKOW, H. Investigations on the light decoupling from scintillating crystals, 22:23269
KERLER, W. Exact sum rule for transition amplitudes and K_2—K_1, 25:38718
Time dependence of elementary processes, 24:37667
KERLER, Werner Integral equation method for treatment of scattering on bound particles, 21:13901
KERLEY, M. J. Molecular oxygen measurements from 100 to 150 km at Woomera, Australia, 23:36611
KERLEY, P. L. Design of a special oil-insulated high-voltage pulse transformer, 21:30330 (SC-TM-67-208)
KERLIN, A. L. Solid state gated integrator, 21:45480
KERLIN, E. E. Measured effects of various combinations of nuclear radiation, vacuum, and cryotemperatures on aerospace adhesives, 22:11105
Prog. rpt. on cryogenic insulation materials and composites for use in nuclear radiation environments, 6/30—9/30/66, 22:781 (N-67-19129)
KERLIN, T. W. Experiences with binary periodic signals for dynamic testing at the HFIR, 25:41536
Experiences with dynamic testing methods at Molten-Salt Reactor Experiment, 25:10182
Experimental dynamic analysis of the molten-salt reactor experiment, 21:5629 (ORNL-TM-1647)
Frequency-response testing, 21:40623
Modified Mikhailov method for reactor stability analysis, 24:7329
Nonlinear contamination in frequency response tests, 25:5967
Optimal discrete level signals for reactor frequency response tests, 25:5968
Power-dependent frequency response measurements on the Molten-Salt Reactor Experiment, 21:38522
Pseudo-random binary signal for frequency response testing, 21:5693 (ORNL-TM-1662)
Simplified reactor noise analysis using low-pass filters, 24:7341
Stability extrema in nuclear power systems with design uncertainties, 21:12188
Systematic procedure for reactor control system design, 25:41411
Theoretical and experimental dynamic analysis of MSRE, 21:7918
Theoretical dynamics analysis of Molten-Salt Reactor Experiment, 25:10183
Zero-power physics experiments on the molten-salt reactor experiment, 22:16157 (ORNL-4233)
KERLIN, Thomas W. Deterministic signals for frequency response measurements in reactor systems, 24:47953 (CONF-680980-, pp 249-66)
KERLINS, V. Fracture in dispersion-strengthened nickel—chromium alloys, 22:49765
KERMAN, A. K. Allowed neutron decay of highly excited $(T_0{+}^1/_2)$ compound nucleus states, 25:28460
Analysis of analog-state resonances by coupled optical equations, 21:4249
Analysis of elastic and inelastic analogue-state resonances using coupled optical equations, 25:28236
Analysis of fragmented analog-state resonances by coupled optical equations with effective nonlocal potentials, 23:30990
Analysis of proton scattering and reactions with the generalized optical model, 25:34039
Bound and continuum state optical model codes for nonlocal potentials, 23:23753 (MIT-2098-492)
Coulomb energies and the excess neutron distribution from the study of isobaric analog resonances, 23:47087
Damping of isobaric analogue states, 22:37393
Effects of truncation in nuclear Hartree—Fock calculations, 22:26792
High—energy backward elastic proton—deuteron scattering and baryon resonances, 23:32771
High-energy protons as a nuclear probe, 21:42554
Intermediate structure and doorway states in nuclear reactions, 21:19314
Intermediate-structure strength function, 21:1019
Low-energy neutron—oxygen scattering derived from two-body forces, 25:28198
Microscopic calculation for the escape width of analog states, 25:28466
Nuclear forces and Hartree—Fock calculations, 23:17128 (MIT-2098-518)
Nuclear forces and Hartree—Fock calculations, 24:20440
Nuclear forces. I, 21:42699
Reaction ^{138}Ba(d,p)^{139}Ba for incident energies below the Coulomb barrier, 23:1901
Second order contribution to binding energy of closed shell nuclei with Tabakin potential, 22:20760
Second-order contribution to binding energy of closed-shell nuclei with Tabakin potential, 21:46814
Self-consistent calculations for gross nuclear properties, 24:43592
Self-consistent calculations of shell effects, 25:12672
Self-consistent nuclear calculations with a deformed basis, 24:52703
Soft-core nucleon—nucleon potential, 23:15525
Studies in isobaric analog resonances. I, 21:38414
Studies in isobaric analog resonances. II, 22:44777
The role of the anti-analog state in the decay of the analog state, 25:28467
Theory of analog resonances, 23:31058 (MIT-2098-528)
Unrestricted Hartree—Fock calculations, 22:20483
Unrestricted Hartree—Fock treatment of finite nuclei, 21:40511
KERMAN, Arthur Isobar analogue states, 21:42690
KERMAN, Arthur K. Intermediate structure in fission, 22:50659
Nuclear forces. II, 22:17977
Nuclear forces. III, 22:39699
KERMICLE, H. A. Bio-particle carbon analyzer operation and maintenance manual, 22:47400 (K-L-6211)
Modified liquid chromatography monitoring system, 21:38822 (K-L-6157)
Multibulb viscometer operation and maintenance manual, 21:1674 (K-L-6134)
Multibulb viscometer, 21:32054 (K-1696)
Solid state electronic circuits for the line recorder mass spectrometer, 21:19985 (K-1692)
Specific gravity digital recorder operation and maintenance manual, 21:42847 (K-L-6171)
KERMICLE, J. L. Prog. rpt. on genetic organization of complex R region in maize, annual, 4/67, 21:32604 (COO-1300-13)
KERMODE, M. W. Effective range analysis of low-energy α—α scattering, 22:1593
Effective range theory for multi-channel scattering, 21:34065
Effective-range theory and ground state of ^{8}Be, 21:21447
Excited 4^+ states of ^{8}Be, 21:42566
Ground state of ^{8}Be, 24:43176
Numerical calculation of S-state energy eigenvalues for a local potential, 25:27933
Vacuum polarization and d-wave α—α scattering, 24:22065
Vacuum polarization and low-energy scattering, 22:22545
KERMODE, Mark W. Beryllium-8 parameters from α—α scattering, 23:49343
Coulomb and vacuum polarization interference effects for $^1S_0$ p—p nuclear potentials, 24:3967
Effective-range formula for two-body scattering coupled to a closed secondary channel, 24:6960
KERMOSHCHUK, J. O. Determination of Fe, Ni, and Cr in Na by atomic absorption, 23:6051 (APDA-207)
KERN, B. D. Beta decay of ^{37}S, 22:3656
Beta decay of ^{37}S, 25:34026
Beta decay of ^{40}Cl and levels of ^{40}Ar, 25:5614
Cross sections of ^{35} ^{37}Cl(n,n'γ) reactions, 21:2659
Low-lying levels of ^{35}Cl and ^{37}Cl, 24:10960
Low-lying levels of ^{40}Ar, 25:43872
KERN, C. W. Comments on configuration interaction combined with a correlation factor for two-electron atoms, 25:55892
Identities relating spin—spin and orbit—orbit to spin—orbit interactions, 24:51453
KERN, C. William Variational principles from the Schwarz inequality, 24:28456
KERN, D. Studies on the coating of fuel particles for 'DRAGON' reactor experiment, 21:42761
Studies on the coating of fuel particles for the dragon reactor experiment. project dragon, 24:40994 (DP-Report-262)
Temperature distributions in coating furnaces, 24:39686 (DP-Report-266)
KERN, Dieter Coating nuclear fuel particles, 22:15246
Fuel for nuclear reactors, 22:21757
KERN, Edward L. Conference on semiconductor silicon, New York, 5/69, 24:19944
KERN, Francois Structure and magnetic properties of the oxygen—praseodymium compounds, 24:44805
KERN, H. DNA synthesis after irradiation with high doses of x-rays and spindle inhibition, 25:18910
KERN, H. E. Methods of reducing noise of junction field effect transistor (JFET) amplifiers, 24:39260
Noise from neutron induced defects in junction field effect transistors, 25:21516
Noise studies of ceramic encapsulated junction field effect transistors (JFETs), 24:39315
Particle detection experiment for Applications Technology Satellite 1, 24:12688 (N-70-11028)
KERN, Hartmut Thymidine kinase in irradiated wheat, 23:20438
KERN, J. Disintegration of ^{104}Rh (43 sec) and of /sup 104m/Rh (4.4 min), 23:46982 (CONF-690518-1)
New 15-min isomer in ^{142}Pr, 21:21538
Study of reaction ^{127}I(n,γ)^{128}I, 25:25791
KERN, Jean Computer analysis of nuclear spectra and γ-energy standards, 24:29545
Decay of ^{140}Ba to ^{140}La, 24:28787
Gamma-vibrational states of deformed even nuclei populated in (d,p) reaction, 22:3726
Levels in ^{140}La by (d,p) stripping reaction, 21:13869
Nuclear levels in ^{142}Pr, 22:50612
Spectroscopic study of γ vibration in deformed even nuclei populated in the (d,p) reaction, 22:20647
KERN, John W. Analysis of polar magnetic storms, 21:7107
KERN, R. Three-dimensional method for design studies of xenon-induced spatial oscillations, 23:37477
Use of reactor calculations as applied to safeguards, 21:46865 (WASH-1076, pp 73-81)
Yankee Rowe fuel inventories, 23:37441
KERN, R. C. Evaluation of isocheck and invent fuel inventory calculational models, 25:15211
Pathfinder boiler core and full core critical experiments, 21:1152 (ACNP-65599)
Three-dimensional method for design studies of xenon-induced spatial power oscillations, 24:46111
KERN, R. D. Dynamic sampling of the deuterium hydride self-exchange behind reflected shock waves, 25:54562
Rate of exchange of hydrogen and deuterium behind reflected shock waves. Dynamic analysis by time-of-flight mass spectrometry, 25:39498
KERN, R. D. Jr. Complementary shock tube technique study of the exchange of hydrogen chloride and deuterium, 25:15582
KERN, R. S. Irradiation testing of ternary fuel system for PBF, 23:41756
Thermal properties of compositions in the system, UO_2—ZrO_2—CaO, 22:11068
KERN, Richard Calculational models and evaluation of expected accuracies of predicted isotopic concentrations in fast reactor cores, 22:16120 (CEND-308)
CETIC: computer code package for calculating heavy-isotope content in reactors, 22:16310 (CEND-300)
CEXE: three dimensional nodal method for analysis of xenon oscillations and control, 23:49553 (CEND-3932-1)
Input card listing for sample flare problem used in setup of ISOCHECK method for Yankee core V, 21:5606 (CEND-271(Suppl.1))
Input card listing for sample flare problem used in setup of ISOCHECK method for Indian Point Core B, 21:13955 (CEND-268(Suppl.1))
ISOCHECK method for determining heavy-isotope content in operating fuel elements of La Crosse core I, 21:5607 (CEND-275)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Yankee core V, 21:5605 (CEND-271)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Dresden I Core IV, 21:23593 (CEND-289)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Oyster Creek Core I, 21:23594 (CEND-290)
ISOCHECK method for determining heavy-isotope content in the operating fuel elements of Peach Bottom Core I, 22:12011 (CEND-294)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of BONUS core I, 22:16118 (CEND-296)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Nine Mile Point Core I, 22:16119 (CEND-299)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Dresden I Core V, 22:16121 (CEND-317)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Big Rock Point, 22:16117 (CEND-292)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Piqua Core II, 22:16116 (CEND-291)
ISOCHECK method for determining heavy-isotope content in operating fuel elements of Humbolt Bay Cores IIIA and IIIB, 22:16122 (CEND-318)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Humboldt Bay Core II, 21:13957 (CEND-281)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Nuclear Ship Savannah Core I, 21:13958 (CEND-282)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Indian Point Core B, 21:13954 (CEND-268)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of San Onofre Core I, 21:13956 (CEND-272)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Elk River Core II, 21:13960 (CEND-286)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Pathfinder Core I, 21:13962 (CEND-283)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Saxton Core II, 21:13959 (CEND-285)
Setup of ISOCHECK method for determining heavy-isotope content in operating fuel elements of Connecticut Yankee Core I, 21:13961 (CEND-287)
Xenon oscillation studies for the pickering reactor, 23:49554 (CEND-3932-2)
KERN, S. Magnetic susceptibility of Eu_2O_3, 25:27896
Magnetic susceptibility of monoclinic Eu_2O_3, 25:1324
KERN, Suzanne Evolution of structure of graphite, determined by microscopic examination after thermal oxidation, 22:41134
KERN, W. Correlations between constitution and scintillation properties in the p-oligophenylene series, 23:2601
Photoproduction of single charged pions from deuterium and hydrogen, 21:31516
Photoproduction of single positive pions between 1.2 and 3 Gev, 21:863 (DESY-66/22)
Photoproduction of single positive pions between 1.2 and 3 Gev, 21:2347

- Pi$^+$ photoproduction between 1.2 and 3 GeV at very small angles, 21:18881
- Pi$^+$ photoproduction from H with polarized protons, 24:51889
- Production of single negative pions from deuterium with polarized photons, 24:26363
- Prog. rpt. on photoproduction of pions with polarized photons, 2/22/71, 25:33517 (NYO-4115-1)
- π^+ photoproduction between 1.2 and 3 GeV at very small angles, 21:18878 (DESY-67/3)
- Radiation treatment of carcinoma of the esophagus, 22:28631
- Radioisotope studies on hyperemia producing treatment, 25:10916

KERN, Walter Treatment of lethal radiation injury with nicotinic acid derivatives. II, 21:10937

KERNAHAN, J. A. Absolute transition probability of the auroral green line, 23:6921
- Experimental transition probabilities for some oxygen lines of astrophysical interest, 24:37046
- Ionization limits of N I, 22:34258

KERNAHAN, John A. Transition probability for electric quadrupole 5577-A auroral green line, 23:42082

KERNAN, A. Comparison of streamer chamber and bubble chamber, 24:52315 (TID-25473(Vol.2), pp 313-16)
- Duality for inelastic anti KN scattering at intermediate energies, 25:43642 (UCR-34-P-107-B-106)
- Duality in anti KN $\rightarrow$ $\pi\Lambda$, $\pi\Sigma$, 25:25430
- Duality in $\pi^- + p \rightarrow \pi^+ + \Delta^-$ at 1.5 to 1.8 GeV, 24:5307
- Formalism for partial-wave analysis of the reaction meson + baryon $\rightarrow$ meson + baryon, 23:42686
- Inelastic pion—nucleon scattering from 720 to 1180 MeV/c, 23:14969 (SLAC-PUB-531(Exp.))
- Measurement of π^0 momentum with metal plate arrays in the 25-ft bubble chamber, 24:50606 (TID-25473(Vol.2), pp 213-23)
- Pi$^-$p elastic scattering in cm energy range 1400 to 2000 MeV, 25:38665
- Prog. rpt. on high energy physics, annual, 5/70, 24:42879 (UCR-34-P-107-104)
- Prog. rpt. on high-energy experimental physics, annual, 5/69, 23:39610 (UCR-34-P-107-84)
- Prog. rpt., annual, 5/71, 25:38680 (UCR-34-P-107-B-124)
- $\pi^+ + p \rightarrow \Delta^{++}$ (1236) + π^0 AT 1.85 to 2.09 GeV: study of s- and t-channel effects, 25:43551 (UCR-34-P-107-B-108)
- π^+p elastic scattering data between 1820- and 2090-MeV cm energy, 25:59309
- Reaction $\pi^-p \rightarrow \pi^+\Delta^-$ at cms energies 1640 to 1760 MeV, 25:27962
- Study of $\pi^+p \rightarrow$ rho$^+$p at 1.85 to 2.09 GeV, 25:43552 (UCR-34-P-107-B-110)

KERNAN, Anne Enhancement in Λp invariant mass in $K^-d \rightarrow \Lambda p\pi^-$ interactions, 23:16936
- Experimental study of $K^+ \rightarrow \pi^0 + e^+ + \nu$ decay, 21:37671
- Kinematic-ambiguity-free test for A_1 and B mesons, 23:16955
- New method for assigning baryon resonances to SU(3) multiplets, 21:952
- Reaction $K^- + n \rightarrow \Lambda + \pi^-$ between 1660 and 1900 MeV center-of-mass energy, 22:13669
- Reaction $\pi^+ + p \rightarrow \Delta^{++}(1236) + \pi^0$ between 1850 and 2010 MeV center-of-mass energy, 22:46336 (UCR-34-P-107-72)

KERNAN, W. Hyperon production in interactions of 2.7 GeV/c antiprotons on protons, 21:44268

KERNAN, W. J. anti p—p annihilations to K and π mesons at 2.7 GeV/c, 24:18076
- Double pion production without annihilation in antiproton—proton interactions at 2.7 GeV/c, 21:18905
- Interpretation of $p\pi^+\pi^-$ and anti $p\pi^+\pi^-$ mass spectra in anti pp $\rightarrow$ anti $pp\pi^+\pi^-$ at 2.7 and 2.9 GeV/c, 24:24225
- K^-p elastic scattering at 4.6 GeV/c, 23:14975
- Kinematic fitting results for bubble chamber events involving neutral particles at high energies, 21:44261 (IS-1651)
- Observation of the $p\pi\pi$ decay mode of the N/sub 1/2/*(1400) resonance in pp interactions at 22 GeV/c, 23:1597
- Physics use of Ames Lab. on-line measuring system for bubble chamber events, 24:16883 (IS-2231)
- Spin analysis of $p\pi^+\pi^-$ enhancements in pp interactions at 22 GeV/c, 24:12946
- Structure in rho-meson mass, 25:17494
- Two- and three-pion production without annihilation in antiproton—proton interactions at 2.4 and 2.9 GeV/c, 24:37634

KERNEL, G. Absorption of gamma rays in fluorine and nitrogen, 23:10941 (NIJS-R-533)
- Absorption of gamma rays in silicon and calcium, 22:44654
- Angular distribution measurements in inverse photonuclear reactions, 25:10865
- Angular distributions from reaction $^{12}C(\alpha,\gamma_0)^{16}O$, 25:36675
- Giant dipole resonance and isospin in $^{89}Y(p,\gamma)^{90}Zr$, 23:49430
- Measurement of photo-absorption cross sections with a magnetic Compton spectrometer, 24:4468
- Mechanism of $^{31}P(p,\gamma)^{32}S$ reaction in giant dipole resonance region, 24:8870
- Radiative capture of protons by ^{11}B above peak of giant dipole resonance, 23:8948
- Tables of total absorption cross sections for photons of energy between 10 and 30 MeV in Be, C, N_2H_4, H_2O, HF, Si and Ca, 24:40556 (IJS-572)
- Total photonuclear cross sections for ^{12}C, ^{14}N, ^{16}O, and ^{19}F in region of giant resonance, 23:25840

KERNELL, R. L. (p,n) cross sections and the strength functions for protons on In and on Sn isotopes, 25:20475
- Cross section $^{89}Y(p,n)^{89}Zr$ near first two analogue resonances, 22:7670
- Proton strength functions for Sn, 23:40049
- Reaction (p,n) to measure proton atomic stopping powers in Ag, Cd, In, and Sn, 22:30039
- Spin-parity assignments via neutron decay of analog resonance, 21:38343
- Total neutron cross sections of ^9Be, ^{14}N, and ^{16}O, 22:20449 (CONF-680307-15)

KERNELL, Robert Lee Reactions (^{117} $^{119}Sn(p,n)^{117}$ ^{119}Sb) near 0^+ analogue states, 23:4001 (ORNL-TM-2339)

KERNER, Edward H. Charge and pole, 24:15440
- Remarks on the nature of relativistic particle orbits, 22:34876
- Unique canonical representation of the inhomogeneous Lorentz group in relativistic particle dynamics, 21:3948
- Unique Hamiltonian Operators via Feynman path integrals, 24:20008

KERNER, I. O. Numerical results for the eigenvalues and eigenfunctions of the neutron transport equation for a slab, 22:18091

KERNER, Richard Exact solutions of equations of classical non-Abelian gauge field, 24:43008

KERNER, Ryszard Generalization of Kaluza—Klein theory for an arbitrary non-abelian gauge group, 23:21161

KERNFELD, Lottie Effects of total-body x-irradiation on peritoneal cells of mice, 23:31895 (AD-464449)

KERNIEI, I. Quadratic stark effect constants, 22:7136

KERNOHAN, R. H. Comparison of calculated and measured lower critical field for some Nb—Ti alloys, 25:3020 (ORNL-TM-3206)
- Current-carrying capacity of a hard superconducting wire, 21:2137
- Dosimeter for integrated fast neutron dose, 24:14317
- Lower critical field for some Nb—Ti alloys, 25:45405
- Neutron irradiation effects in superconducting niobium, 22:1070
- Preparation of metallic prolate spheroids, 25:49385
- Production and annealing of defects in electron irradiated lead, 24:45333
- Superconducting properties of technetium, 21:25068
- Superconductivity in the technetium—vanadium alloy system, 22:1079
- Superconductivity of In_5Bi_3, 25:47481

KERNS, Cordon Fast beam choppers for the electron-ring accelerator, 23:28199

KERNS, Cordon R. Automated digital threshold determination, 23:6287 (UCRL-18118)
- Photomultiplier single-electron time-spread measurements, 21:32522
- Pulsed power supply for electroluminescent fiducial display system, 22:4311 (UCRL-17621)

KERNS, J. R. Coulomb-excitation measurements on the isotopes ^{144}Nd, ^{146}Nd, and ^{148}Nd, 25:46034
- Reaction mechanism of ground-state reaction $^{35}Cl(d,2p)^{35}S$ at E/sub d/ = 14.5 MeV, 22:9810
- Reaction mechanism of ground-state reaction $^{35}Cl(d,2\alpha)^{31}Si$ between E/sub d/ = 9.0 and 12.0 MeV, 22:9814

KERNS, John Richard Coulomb excitation studies of ^{134}Ba, ^{136}Ba, ^{138}Ba, and ^{150}Nd, 25:20469

KERNS, O. A. NAL main-ring cavity test results, 25:50331

KERNS, Q. Initial operation of NAL booster, 25:50527
- Rf control system of NAL accelerator, 25:50388

KERNS, Q. A. 100 kW rf power amplifier, 25:50333
- Development of 2000-ampere diodes for high current ferrite biasing supplies, 21:23372 (UCRL-17457)
- Digital measurement of ferrite hysteresis loops, 23:28061
- Mode damping in NAL main ring accelerating cavities, 25:50339
- NAL booster and storage ring rf systems, 23:28052
- Pole—zero analysis of distributed radio-frequency acceleration systems, 21:27476 (UCRL-17446)
- Pulse time delay circuit employing tunnel-diode and switch combination gated in response to ramp input, 21:1697
- Rf ferrite-testing program at NAL, 25:50332
- Rf system considerations in interlaced-beam injector synchrotrons, 21:27477 (UCRL-17451)
- Solid state contactor for use in 60 Hz, 3 phase service, 25:50369

KERNS, Quentin A. Fast pulse generator utilizing an electron beam to cause an arc breakdown across the gap region of a coaxial line center conductor, 22:4549
- Resonator for supporting nonsinusoidal periodic waveforms, 22:5704

KERNS, R. C. Determination of americium with di-n-butyl-n-butylphosphonate, 22:21018 (ARH-SA-1)

KEROE, E. A. Determination of ^{15}N by emission spectroscopy, 25:18344
- Improvements in determination of ^{15}N in low concentration range by emission spectroscopy, 25:23508
- Simple conversion of a spectrograph to a recording spectrometer, in particular for the measurement of the relative abundances of N isotopes, 22:21393
- Use of a computer for automatic measurement of absolute activity of radionuclides, 23:13981 (CEA-CONF-1190)

KEROVA, N. I. Changes in dogs after radiation sickness, 23:18112
- Residual phenomena of acute radiation disease in dogs, 23:9850

KERP, L. Separation of ^{131}I-insulin fractions resulting from radiation damage and study of their properties, 22:10718

KERPEL, Shmuel Effects of ultraviolet radiation on lipases of adipose tissues in the rat, 22:19260

KERPEN, W. Movement of ions and colloids in undisturbed soil and parent rock material columns, 22:23154
- Tagged clay migration due to water movement, 22:23159

KERR, Carolyn M. L. Electron spin resonance spectrum and structure of the radical anion of phosphorus oxychloride, 25:54667
- Supramolecular bonding orbitals from molecular antibonding orbitals, 25:41855

KERR, D. Fission fragment charge distributions in mass chains A = 132, 133, and 134 as function of fragment kinetic energy, 22:18257
- Interactions of fission fragment ions with matter, 21:37091 (BMwF-FBK-67-56)
- Multiple and plural scattering of fission fragments, 22:18170

KERR, Donald A. The management of teeth related to the treatment of oral cancer, 23:48239

KERR, Donald E. Precursor radiation in electromagnetic shock tubes, 21:798 (NP-16358)

KERR, Donald M. Resonance radiation in artificial strontium and barium clouds, 24:22531 (LA-4313)

KERR, Donald M. Jr. Helical instability in a Penning discharge, 21:9626

KERR, Donald MacLean Jr. Electronic properties of the Penning discharge plasma, 21:9612

KERR, Donald P. Uranium-235—^{207}Pb and ^{238}U—^{206}Pb mass differences, 25:36770

KERR, E. C. Dielectric constant of ^3He, 21:5207 (LA-DC-7907)
- Dielectric polarizability of ^3He, 22:44021 (LA-DC-9732)
- n-^4He elastic scattering near 20 MeV, 25:45904
- Polarization of 22 MeV neutrons elastically scattered from liquid tritium, 24:15790
- Polarization of 22-MeV neutrons elastically scattered from liquid tritium and deuterium, 25:5516 (LA-4465, pp 15.1-2)
- Polarization of 22-MeV neutrons elastically scattered from liquid tritium and deuterium, 25:53548

KERR, Edward Designing for safeguards: experience at Bradwell, 22:32911

KERR, F. J. Detection of radio recombination-line emission associated with distributed ionized hydrogen, 25:45221
- Direct comparison of motions of neutral and ionized hydrogen in Galaxy, 23:6836
- Estimated distance to Cygnus X-1 based on its low-energy x-ray spectrum, 25:40246
- Evidence for a gap between the Carina and Sagittarius arms in the Galaxy, 24:51362
- Highly symmetrical pattern in the continuum emission from the galactic center region, 21:6956
- Low-latitude survey from l/sup II/ = 27° to 38° at 1410 and 2650 MHz, 23:16582
- Observations of the Carina Nebula (NGC 3372) at 1410 and 2650 Mc/s, 21:6946
- Occultation of galactic center region in 6-cm formaldehyde line, 24:17515
- Occultations of galactic center region in 1667-MHz OH line, 23:5189
- Parkes H-line survey of Milky Way. I, 21:41727
- Parkes hydrogen-line survey of Milky Way. II, 24:23650
- Parkes hydrogen-line survey of the Milky Way. V, 25:19392
- Parkes hydrogen-line survey of the Milky Way. III, 25:19390
- Parkes hydrogen-line survey of the Milky Way. IV, 25:19391
- Radio-line emission and absorption by the interstellar gas, 22:49962
- Search for H in the Southern Coalsack, 22:26125
- Two components of the radio source W 49, 21:22959

KERR, Frank J. High-velocity H clouds considered as satellites of the Galaxy, 24:1228
- Large-scale distribution of hydrogen in Galaxy, 23:44126

KERR, G. D. Health physics and safety guidelines for the DOSAR Facility, 21:41397 (ORNL-TM-1981)
- Lithium-7 phosphate glass detector for exposure measurements in mixed neutron—gamma ray radiation fields, 23:9771
- Neutron-energy threshold detector system employing solid-state nuclear track detector and fissile radiator units, 22:21358 (ORNL-TM-2120)
- Radiation survey and dosimeter intercomparison at HPRR, 23:4839 (ORNL-TM-2334)

KERR, G. W. Energy levels of ^{16}O in the vicinity of 13 MeV. III, 22:9780 (NP-17203)
- Energy levels of ^{16}O in vicinity of 13 MeV, 22:26845
- Energy levels of ^{17}O from $^{13}C(\alpha,\alpha_0)^{13}C$ and $^{13}C(\alpha,n)^{16}O$, 22:9778 (ANU-P-388)
- Energy levels of ^{17}O from $^{13}C(\alpha,\alpha_0)^{13}C$ and $^{13}C(\alpha,n)^{16}O$, 22:20456
- Nuclear reaction theories, 23:11043 (ANU-P-382)

KERR, Gerrald E. Fluid bed denitration of thorium nitrate, 22:23110

KERR, H. T. New developments in molten-salt reactor physics, 23:4184
- ROD: a nuclear and fuel-cycle analysis code for circulating-fuel reactors, 25:57048 (ORNL-TM-3359)

KERR, J. C. Proton differential elastic scattering cross sections for even isotopes of tin at 30.4 MeV, 25:56764

KERR, J. D. Productivity of phytoplankton community of Woronora estuary, New South Wales, 23:33663 (AAEC/TM-492)

KERR, J. M. Alpha autoradiography of $(U,Pu)O_2$ microspheres, 23:44007
- Direct fabrication of ^{233}U fuel elements, 22:23858 (CONF-660524-, pp 537-45)
- Fabrication development of sol-gel particulate fuels, 24:30020 (CONF-700502-, pp 342-57)

KERR, J. R. Oxidation and diffusion in Cr—Ti—Si, coated B-66 and D-43 alloys, 23:48340

KERR, John M. Thermal simulation of in-reactor microstructures in ThO_2—UO_2, 21:46006

KERR, Maureen Evidence for a gap between the Carina and Sagittarius arms in the Galaxy, 24:51362

KERR, Paul F. Geologic limitations on the age of U deposits in Jackpile Sandstone, New Mexico, 21:8470

Prog. rpt. on research on natural occurrence of U, final, 25:39611 (CU-1936-87)
Uranium emplacement at Garnet Ridge, Arizona, 23:9575 (TID-24871)
Uranium emplacement at Garnet Ridge, Ariz, 23:13887
Uranium mineralization and alteration, Orphan Mine, Grand Canyon, Arizona, 25:8376
Uranium-bearing veins in Utah, 23:24325
KERR, R. C. Analysis of the progression and development of metastases in patients receiving x-radiation in hyperbaric oxygen, 21:20404
Experience in Melbourne with use of hyperbaric oxygen combined with megavoltage radiation in 614 cases of advanced malignant disease, 23:41410
Experience with OHP in megavoltage irradiation of 614 patients with advanced malignant disease, 21:28539
Megavoltage irradiation of advanced malignant disease using high pressure oxygen, 22:19391
KERR, R. Keith Radiogold in treatment of ovarian carcinoma, 21:16399
KERR, R. M. Action of dislocations on pinning in a superconducting single crystal, 23:30458
Flux pinning in thermodynamically reversible type-II superconductors, 23:23027
KERR, R. P. Einstein spaces with symmetry groups, 24:52206
Solutions of Einstein and Einstein—Maxwell equations, 24:3759
KERR, R. W. Particle detection experiment for Applications Technology Satellite 1, 24:12688 (N-70-11028)
Position sensitive particle detection by means of multiple diode arrays, 24:39304
KERR, Robert M. Use of ^{125}I- and ^{51}Cr-labeled albumin for the measurement of gastrointestinal and total albumin catabolism, 22:51844
KERR, Roderick George Neutrons from deuteron bombardment of ^{3}He and ^{7}Li, 22:15949
KERR, W. Technicians, technologists, and engineers for nuclear power, 25:39131 (A/CONF.49/P-103)
KERR, W. B. Electrolytic dissolver for stainless steel alloy nuclear fuels, 21:17716
KERR, W. C. Neutron scattering from liquid He II, 25:7325
KERR, W. R. Screening tests of H diffusion barriers for Zr, 21:36820 (AI-CE-27)
KERR, William Nuclear program of the Ford Nuclear Reactor, 23:47256 (CNM-R-2(Vol.3), pp 1256-73)
KERR, William Clayton Model calculation of liquid structure factor of liquid ^{4}He, 22:13383 (NYO-3699-20)
KERREBROCK, Jack L. Behavior of a large nonequilibrium MHD generator, 25:22398
Condensation and electrical conduction in metallic vapors, 22:1162
Electrode losses in MHD generators, 21:2081
Fluctuations in a nonequilibrium MHD plasma, 23:3454
MHD generators for space power, 22:13304
KERRIDGE, J. F. Mineralogy and genesis of the carbonaceous meteorites, 22:26109
KERRIDGE, S. J. Parallaxes and proper motions of 22 stars, 24:30072
KERRIGAN, Felix J. Neutron activation analysis, 21:2978
KERRIGAN, W. J. Calorimetrically measured half-life of ^{170}Tm, 22:1661
Thermal analysis system for radioactive materials, 25:51938
KERRIGAN, William J. Radiation shielding for small power sources of ^{170} ^{171}Tm, 23:11722 (DP-1158)
KERRINGAN, W. J. Preparation of standardized test dusts, 22:23550
KERRISK, J. E. Thermal conductivity of ^{4}HeI near lambda-line and of ^{3}He near liquid-vapor critical point, 22:44020 (LA-DC-9703)
KERRISK, J. F. Thermal expansion of extruded graphite—ZrC carbide composites, 25:11512
KERRISK, Jerry Francis Thermal conductivity of liquid ^{4}He and ^{3}He, 23:46443
KERRUISH, Kermit D. Plasma containment means, 24:45283
KERSALE, M. Vitrification pilot plant for fission products at Marcoule, 22:35895
KERSCHBAUM, E. Effects of neutron irradiation on the magnetic shielding material for a reactor beam hole, 22:12103
KERSCHBAUMER, Egon Biprism-interferometer for 100 keV electrons and its application, 21:24264
KERSCHER, Franz Influence of neutron irradiation at 4°K on shear modulus of Cu, Al, and Pt, 25:29912
KERSCHER, J. Internal friction maxima due to relaxation of point defects in neutron irradiated aluminum, 24:48866
KERSHAW, David Methods for the Bethe—Salpeter equation. I, 25:9855
Methods for the Bethe—Salpeter equation. II, 25:9856
KERSHAW, David Stanley Methods of the Bethe—Salpeter equation, 25:36568
KERSHAW, J. P. Mechanical properties of metal matrix composites, 25:47172
KERSHAW, John P. Development of ceramic fiber reinforced metals, 25:42978
KERSHAW, K. Electron spin resonance study of γ-irradiated carbohydrate ices at low temperatures, 23:19774
Radiation chemistry of carbohydrates. XVII, 25:2279
Radical processes following γ irradiation of frozen concentrated matrices of heparin and dextran sulphate, 25:34651
KERSHAW, R. Preparation and electrical properties of $NbSe_2$ and WSe_2, 21:36911
KERSHAW, W. E. X-irradiation on the survival of L. bacoti and on its susceptibility to infection with L. carinii, 21:13005
KERSHNER, C. J. Device for determination of pressure in sealed containers, 22:14380 (MLM-1446)
Promethium polonide synthesis and characterization, 24:51160
Properties and fabrication of ^{210}Po fuel forms, 24:22888
Self-absorption and energy spectrum distortion of alpha particle emission from microspherical sources, 23:43466 (MLM-1655)
KERSHNER, Carl J. Effective alpha activity and self-absorption alpha range in $^{238}PuO_2$ microspheres, 24:36524
Purification of polonium, 25:18509
KERSHNER, Larry D. Proton transfer and heavy-atom reorganization in amide hydrolysis. Valence-isomeric transition states, 25:34576
KERSHNER, N. A. Practical analysis of high-purity chemicals. VI. Emission spectrographic analysis of high-purity acids, 25:54431
KERSHULIS, V. I. Radiolysis of alkylaromatic amines in two-phase, aqueous—organic systems, 24:33748
KERST, D. Plasma confinement in a toroidal octupole magnetic field, 22:39031 (CONF-680805-7)
Plasma confinement in a toroidal octupole magnetic field, 23:32339
KERST, D. W. Historical review of the betatron as a source of electrons, 23:6533
Plasma injection, heating, confinement, and losses in multipole structures, 25:38324 (CONF-710607-2)
Plasma measurements in a levitated pulsed octupole, 25:7364 (COO-1726-54)
Techniques in thermonuclear research, 21:16897 (COO-1233-44)
KERST, Donald W. Acceleration of energetic electrons, 23:52059
Magnetic induction accelerator with means to deflect accelerated electrons to an x-ray target, 22:20400
KERSTEN, H. H. Relation between surface structures and sputtering ratios of copper single crystals, 25:37987
KERSTEN, J. A. H. Subcritical suspension reactor, 22:25107
KERSTETTER, J. Crossed-beam studies of ion—molecule reaction mechanisms, 22:34285
Energy dependence of energy partition in products of direct reactions: crossed-beam studies and a new model, 22:34270
KERSTETTER, J. D. Crossed beam study of ion—molecule reaction, 21:20753
KERSTING, Wolfgang Conceptual design study for a 1200 MW(e) high temperature Pebble Bed Reactor, 22:35494
Conceptual studies for high-temperature pebble bed reactor of 1200 MW/sub el/, 22:39779 (JUL-519-RG)
KERT, J. Experiments to determine the structure of the geomagnetosphere, 23:18515
Exploration of the magnetosphere by analysis of high-altitude nuclear weapons test data, 22:22004 (CONF-661204-(Vol.1), pp 6.1-12)
KERTAI, P. Radioprotective action of endotoxin, 25:55267
KERTAI, Pal Tumor inhibiting effect of irradiated bone marrow suspension, 22:25862
KERTAMUS, N. J. Performance of titanium and niobium electrodes in an electrolytic dissolver for nuclear fuels, 23:48321 (IN-1191)
KERTES, A. S. Activity coefficients of long-chain alkylammonium salts: extractants in non-polar solvents, 22:30518
Chemistry of the formation and elimination of a third phase in organophosphorus and amine extraction systems, 22:16693
Ion exchange and solvent extraction of metal complexes, 23:38070
KERTESZ, Francois Collaboration between information analysis centers at large, multipurpose lab, 24:16399 (TID-25347)
Language of nuclear science, 23:4507 (ORNL-TM-2367)
Project Aquarium, 22:42363 (ORNL-TM-2254)
Proposed new information centers, 23:34963 (ORNL-TM-2623)
KERTESZ, Jean C. ESR studies of free radicals in solution. I, 24:9303
KERTESZ, L. Determination of extrathyroidal iodine by neutron-activation analysis, 21:3006
Isotope-examination of the initial resorption following replantation, 21:45535
Maternal-fetal I metabolism in the rabbit. I, 22:10687
Maternal-fetal I metabolism in the rabbit. II, 22:10700
Maternal-fetal I metabolism in the rabbit. III, 22:10686
KERTESZ, Laszlo Extrathyroideal iodine metabolism in fetal life, 21:10780
Isotopic double labeling in medicine, 25:21776
Microthermoluminescent dosimeter for determining ^{131}I and ^{132}I dose absorption by thyroid, 24:6045
Significance of activation analysis in medical science, 21:38898
KERTESZ, Zoltan Improvement of the thermomechanical behavior of cable insulator grade polyethylene exposed to ionizing radiation, 23:51153
KER-TEVA, A. Strontium-90 and ^{137}Cs in some Bulgarian foodstuffs, 25:42381
KERTH, Klaus X-ray-influenced radula-replacement in the naked snail Limax flavus L, 24:27669
KERTH, L. T. Elastic K^-p scattering from 700 to 1400 MeV/c, 21:18922
Experimental limit on the branching ratio for K/sub L/^{0} $\to$ lanti l, 25:1386 (UCRL-20078)
Low-density polyurethane foam plate spark chamber, 22:23325
Measurement of branching ratio $K^+ \to e^+\nu/K^+ \to \mu^+\nu$, 25:1387 (UCRL-20079)
Nucleon isobar production in proton—proton collisions between 3 and 7 GeV/c, 22:37076
Polarization and angular distributions of Σ^0 from $\pi^-p \to K^0\Sigma^0$ near 1.3 GeV/c, 21:25243
KERTZ, Walter Polar electrojet, 22:50084
KERVALISHVILI, N. A. Influence of anode orientation on the characteristics of a low-pressure discharge in a transverse magnetic field, 22:48112
Supression and parametric amplification of ion sound in a plasma, 23:34414
KERVIN, C. Seasonal changes displayed by F1-layer ionograms, 22:48023
KERVIN, Cristine Non-Chapman-like behavior of F1 layer, 21:43925
KERVINEN, J. A. Calibration of two instrumented reactor fuel assemblies, 21:40696 (GEAP-3896)
KERVIZIC, J. Study on superconducting particle accelerators, 23:49273
KERWIN, J. Two-determinant spin-polarized calculation of hyperfine structure of ^{11}B, 21:33160
KERWIN, L. High-resolution electron beams and their application, 24:21592
KERWIN, Larkin Electron transfer to multiply charged ions of Ar, N_2, N, and O_2, 21:22998
Some new Aston bands in H, 23:32142
KERWIN, Paul T. Analysis and selection of design conditions for a radioisotope brayton-cycle space powerplant, 23:2517 (N-68-25829)
Reactor design for Brayton-cycle space power application. I, 23:28580 (N-69-17313)
Reactor design for Brayton-cycle space power application. II, 23:28581 (N-69-17314)
KERZAR, B. Determination of electron drift velocity in a gaseous discharge from Doppler shifts of plasma waves, 21:37436
KERZAR, Boris Experiments on nonlinear plasma wave interaction, 21:23176 (AD-637868)
KES, P. H. Irreversible behaviour of superconducting niobium wires, 23:14714
Some difficulties encountered with superconducting niobium—zirconium coil magnets, 21:18562
KESAREVA, N. S. Alteration of the function of external respiration in patients with malignant tumors of the chest under the effect of radiation treatment, 25:55339
KESAVAN, K. Heat transfer from radioisotopic heat sources buried in the ocean floor, 21:12580 (USNRDL-TRC-86)
KESAVAN, P. C. Cytotoxic and mutagenic effects of irradiated substrates and food, 25:49335
Cytotoxic effects of irradiated sucrose solution, 24:48498
Inhibitory effects of irradiated sucrose on Tropaeolum majus, 21:39346
Modification of barley seed radiosensitivity with microwave radiation. I, 24:12326
Radiation damage in Hordeum vulgare and Vicia faba, 24:746
KESAVAN, V. Effect of x radiation on the absorption of naturally-occurring folates, 25:46724
KESDEN, David Inhibition of growth of Morris hepatoma (5123) in Buffalo rats using mixture of pertussis vaccine and irradiated tumor, 22:6709 (ACRH-1000-21)
KESE, G. Malignant ovarian tumour following x ray castration for non-tumorous affection, 25:39945
KESEL, G. P. Semi-remotely maintained plutonium reclamation facility, 21:6108
Semi-remotely maintained plutonium reclamation facility, 21:6490 (ISO-SA-14)
KESHELASHVILI, D. Sh. Penetrating component of cosmic rays at 130 mwe, 22:13266
KESHISHIAN, Vahe Alpha-particle-emitting radioisotope generator, 24:36523
Shielding problems of a nuclear-powered manned orbital space station, 24:6582
KESHISHYAN, G. O. Mobility of lead isotopes in rocks, 24:27207
KESKAR, K. S. Superconducting transition temperatures of rf-sputtered NbN films, 25:36065
KESKE, R. G. Aliphatic semidiones. XV. 2,3-semidiones derived from the bicyclo[n,1.0]alkanes, 25:26254
KESKE, Robert G. Aliphatic semidiones. XVI. Semidiones derived from the bicyclo[n.1.1]alkanes, 25:26255
KESKI, J. R. Fabrication and irradiation of thulium sesquioxide, 24:30034
Properties and fabrication of ^{170}Tm fuel forms, 22:52233 (DP-MS-68-24)
Properties and fabrication of ^{170}Tm oxide targets, 24:22891
KESKI, James R. Properties of thulium metal and oxide, 21:35987 (DP-1114)
KESLER, C. E. Service behavior of concrete for radiation shielding, 21:42155
KESLER, Donald C. Applications of fission fragment etch pit techniques in uranium detection, 23:39011
KESLER, Oren B. Radiation of an antenna in a compressible magnetoplasma, 21:40005
KESLEV, D. Application of ionizing radiations in sterilization of foods and pharmaceuticals, 22:40987
Strontium-90 and ^{137}Cs in some Bulgarian foodstuffs, 25:42381
Use of chromosome analysis for biological dosimetry in connection with an accident involving ^{226}Ra, 25:58016
KESNER, J. Experiments on confinement of a plasma in a circular magnetic well, DECA II B, 25:38360 (CONF-710607-88)
Plasma confinement in the DECA II B circularized magnetic well, 25:58958 (CEA-CONF-1807)
KESNER, Jay Trapping and containment of a cesium plasma in a magnetic mirror, 25:27671
KESPER, Martin Leakage rate determination from reactor safety vessels, 23:24031
KESQUE, J. M. Measurement of the instrument response function in the single photoelectron technique, 25:23813
KESS, Rudolph F. Single-quantum annihilation cross sections in various atomic shells, 24:28088
KESSARIS, Nikitas D. Absorbed dose and cavity ionization for electron beams in water, 23:50511
Absorbed dose and cavity ionization for high-energy electron beams, 24:50921
Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. I, 23:9833 (NYO-910-69)

  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:4560 (NYO-910-121)
  Prog. rpt. on biophysical studies of radiation, annual, 5/1/66—5/1/67, 22:421 (NYO-910-57)
  Spectra of high-energy electron beams in water, 24:1468 (NYO-910-131)
  Spectra of high-energy electron beams in water, 24:50920
  Theoretical studies of radiation absorption, 23:12066 (NYO-910-75, pp 31-7)
KESSE-ELIA, M. Clinical value of liver and renal scanning in oncology, 23:38693
KESSE-ELIAS, M. Renal adenocarcinoma: scintigraphic study of primary and metastatic areas, 25:29590
KESSE-ELIAS, Matina Structure and metabolism of non-haemoglobin Fe-bearing component of thalassaemic red cells, 24:29630
KESSEL, A. R. Kinetic equations for quadrupole resonance of a spin-3/2 nucleus, 21:16992
  Nuclear acoustic resonance, 24:15423
KESSEL, David Transport of two nonmetabolized nucleosides, 23:6381
KESSEL, Q. Equilibrium charge fractions of aluminum ions in nitrogen from 0.4 to 4.0 MeV, 24:23800
KESSEL, Q. C. Auger electrons from argon and neon ion—atom collisions, 24:51445
  Inelastic energy loss and x-ray emission in large-angle atomic collisions, 23:27359
  Probability for producing K vacancies in violent ion—atom collisions at keV energies, 25:58756
  Q values for N^{+}—Ar and O^{+}—Kr collisions, 24:21578
KESSEL, Quentin C. Coincidence measurements of Ne^{+}—Ne collisions, 21:11442
  Coincidence measurements, 24:21591
  Coincidence scattering chamber for atomic collisions, 23:10879
  Coincidence study of O^{+} on Kr collisions, 23:18377 (SC-CR-68-3691)
  Multiple ionization of iodine in 1.5- to 12.0-MeV I/sup n+/—Xe collisions, 25:9219
KESSEL, Quentin Cattell Coincidence study of argon ion—atom collisions at kilovolt energies, 21:41827
KESSEL, W. Dependence of the superconducting transition temperature of metal layers on their thickness, 24:3273
  Effect of density of conduction electrons in superconductors on their transition temperature, 23:46426
KESSELMAN, R. One-velocity S/sub N/ computer code, 21:35378 (AD-633426)
KESSEL'MAN, V. S. Equations for calculation of ion penetration into a matter, 22:43923
KESSEL'MAN, V. S. Investigation of slowing down of low energy protons in SiO$_2$ films, 24:48991
  Path lengths of light ions in solid bodies, 25:4940
  Penetration depth and distribution of low-energy ions in solids, 22:29214
  Statistical scatter of energy losses by low-energy charged particles, 25:1458
  Statistical scatter of the range of heavy, charged particles, 24:44988
KESSEMEIER, H. Pulsed nuclear magnetic resonance in rotating solids, 21:25175
KESSENIKH, R. M. Effect of radiation on electrical behavior of poly-3-vinyl-9-alkylcarbazoles, 23:35191
KESSER, G. Sodium technology quarterly report, January—March 1970, 24:43729 (ANL/ST-2)
KESSER, G. M. Prog. rpt. on sodium technology, 1—3/71, 25:60058 (ANL-7817)
  Prog. rpt. on sodium technology, 10—12/70, 25:37918 (ANL/ST-8)
  Prog. rpt. on sodium technology, 4—6/70, 25:4736 (ANL/ST-3)
  Prog. rpt. on sodium technology, 7—9/70, 25:13651 (ANL/ST-4)
KESSICK, M. A. Solvolysis rates and deuterium isotope effects in 2,2,2,-trifluoroethanol—water mixtures, 23:40644
KESSIE, R. W. Containment in PuF$_6$, 23:19922 (CONF-680610-, pp 166-84)
  Sand-bed filtration of aerosols: a review of published information on their use in industrial and atomic energy facilities, 25:29315 (ANL-7683)
KESSIE, Robert W. Laboratory investigations in support of fluid-bed fluoride volatility processes. XXI, 24:27180 (ANL-7612)
  Plutonium and uranium hexafluoride hydrolysis kinetics, 21:17627
  Removal of plutonium hexafluoride from cell exhaust air by hydrolysis and filtration, 21:30493 (CONF-660904-Vol.1 and 2, pp 741-61)
KESSINGER, R. D. Exact kappa and field dependence of magnetic field penetration of Meissner state, 21:41991
  New metastable solutions of Ginzburg—Landau equations, 21:43960
KESSLER, B. Radiation-induced breaks in DNA, 25:55133
KESSLER, D. Boson production in p—p collisions at 12.3 GeV/c, 21:9703
  Monte Carlo program for interactions of high energy elementary particles in complex nuclei, 21:21146 (IA-975)
  Muonic x rays and capture gamma rays in ^{89}Y, 25:20360
  Muonic x rays in ^{206}Pb and possible observation of nuclear polarization, 23:15467
  Neutron emission from nuclear excitation by radiationless transitions in μ-atomic ^{209}Bi, 23:42930
  Non-radiative muon transitions in heavy elements, 24:51410
  Precise measurement of muonic x rays in the Pb isotopes, 24:15923
  Some studies on the x-ray effects on resting hair cell population, 24:51024 (ACRH-1000-205)
  Spark chamber spectrometer with automatic vidicon readout, 21:16108 (CONF-660918-, pp 63-67)
KESSLER, D. A. Performance of sequential tasks by monkeys following pulse of gamma—neutron radiation, 24:48674 (AD-698480)
KESSLER, Ernest George Jr. High-resolution study of the He II 6560- and 10124-A transitions, 25:4950
KESSLER, G. Numerical solution of the position-dependent dynamic equations for fast breeder reactors using a variational principle, 23:52462 (KFK-781/I)
  RADYVAR: program for processing place-dependent dynamics of fast breeder reactors, 24:11311 (EURFNR-682)
  RADYVAR: program for treatment of space-dependent dynamics of fast breeder reactors, 24:7323 (KFK-781/2)
  Results of SEFOR experiments at zero power, 24:33266
  Results of sefor zero power experiments, 24:29049 (GEAP-13588)
  Space-dependent dynamic behavior of fast reactors using the time-discontinuous synthesis method, 23:4440
  Space-dependent dynamic behavior of fast breeder reactors using time-discontinuous approximation function, 24:18615 (KFK-964, Sect. 1.1-12)
  Space-dependent dynamic behavior of fast reactors using the time-discontinuous synthesis method, 24:33245
KESSLER, G. W. Boiler developments in the USA, 24:50505
KESSLER, Godehardt Hydrogen condensation target, 22:15876 (DESY-67/44)
KESSLER, H. Action of alkali metal vapors on trioxides of Mo and W, 21:43628
KESSLER, J. Absolute measurements of elastic cross section for small-angle scattering of electrons from N$_2$ and O$_2$, 21:41781
  Elastic cross sections for electron scattering on free silver atoms, 21:3693
  Electron spin polarization by low-energy scattering from unpolarized targets, 23:14633
  Electron spin polarization by low-energy scattering, 23:27350 (AD-673963)
  Low-energy electron scattering checked by cross section measurements of Hg between 25 and 150eV, 23:18432
  Polarization of slow electrons by Hg and relativistic Hartree potential, 21:33158
  Residual resistivity of Pb films after implantation of Mn ions, 25:19857
  Spin polarization and differential cross sections in inelastic electron—atom collisions, 25:14039
  Spin polarization by inelastic electron—atom collisions, 24:35197
  Superconductivity of Pb and Sn films after implantation of Mn ions, 25:47466
KESSLER, Joachim Influence of plural scattering on polarization and angular distribution in low-energy electron scattering, 22:13249
  Influence of screening on Mott scattering by mercury atoms, 22:31623
  Spin polarization of low-energy electrons scattered from molecules. I, 23:20719
  Spin polarization of low-energy electrons scattered from molecules. II, 23:20720
KESSLER, P. Electroproduction and photoproduction of pions, 25:17425
  Electroproduction of the $^7/_2$+ resonance, and lepton pair production from this resonance, 21:2431
  Experimental conditions for $\gamma\gamma$ collisions with almost real photons, 25:36451
  Gammaγ collisions with almost real photons, 25:7607
  Longitudinal term in electroproduction of pions near the N*(1236) resonance, 24:12974
  Model for the neutrino production of pions near the N*(1236) resonance, 25:17457
  Neutrinoproduction of pions near the first resonance, 25:53126
  Photon—photon collisions, new area of experimental investigation in high-energy physics, 25:30798
  Study of vertices $\pi^0\gamma\gamma$, eta$\gamma\gamma$, and eta'$\gamma\gamma$ with almost real photons, 25:59253
  Study of vertices $\pi^0\gamma\gamma$, eta$\gamma\gamma$, and eta'$\gamma\gamma$ with one highly virtual photon, 25:59389
  Suggested inverse electroproduction experiment near the N*(1236) resonance, 25:25420
KESSLER, Paul Calculation of e$^-$e$^+$ $\rightarrow$ N*antiN* processes, 22:29667
  Contribution of various Feynman diagrams relating to process ee $\rightarrow$ eeAantiA, 24:24291
  e e$^+$ $\rightarrow$ AantiB process with polarized beams, 22:37119
  Electron (or muon) production of N* and form factors of the γ NN* vertex, 21:2420
  Form factors and vertex amplitudes in elastic electron—nucleon scattering, 22:5534
  Generalized helicity method for Feynman diagram calculations, 24:13154
  Investigation of electromagnetic form factors for elementary particles, 21:2424
  Leptonic decay of neutral pseudoscalar mesons, 23:23424
  Neutrino production of all baryon states. II, 22:44398
  Neutrino-production of all baryonic states. I, 22:5545
  Physical theory: process of production of particles of type ee $\rightarrow$ ee A anti A, 24:3566
  Study of electromagnetic form factors of the elementary particles, 22:37071
  Two possible tests of quantum electrodynamics, 22:5636
KESSLER, R. Effect of electrode and boundary-layer temperatures on MHD-generator performance, 22:45996
KESSLER, R. W. Electrical properties of a fast argon atomic beam generated by an arc source, 22:41315
  Generation of a fast argon atomic beam with a plasma source, 21:46129
KESSLER, Robert Effects of electrode temperature on MHD generator performance, 23:22964
KESSLER, W. E. Analysis of SNAPTRAN reactor behavior, 21:44938 (IDO-17204)
  Midland dual-purpose nuclear plant, 24:7056
  SNAPTRAN-2 destructive test results, 21:30254 (IDO-17194)
KESSLER, W. V. 4π liquid-scintillation whole-body counter. II, 25:18649
  Alteration of incorporation of ^{131}I in chicken egg, 21:34571
  Association between chemical and counter estimates of potassium content, 23:22211
  Determination of K in solids and liquids by measurement of the gamma activity of naturally radioactive ^{40}K, 21:8205
  Effect of carrier I on ^{131}I retention by calves, 21:45516
  Estimates of body composition derived from potassium measurements, 23:22216
  Factors affecting estimates of potassium content by whole-body liquid scintillation counting, 23:22212
  Four π liquid-scintillation whole-body counter. I, 22:19104
  Radioiodine deposition into milk of goats, 23:35720
  Uptake, retention, and excretion of inhaled europium oxide, 23:14177
KESSLER, Wayne V. Activation analysis in drug control, 22:12230
  Precision of assay of whole-body potassium in man, 23:22210
KESTELIJN, P. Bone scintigraphy and diagnoses in orthopaedic conditions, 24:32072
KESTEMONT, Lucien Double-walled heat exchanger, 23:29055
KESTEN, A. S. Theoretical investigation of radiant heat transfer in the fuel region of a gaseous nuclear rocket engine, 21:19841 (N-67-16013)
KESTEN, Arthur S. Theoretical investigation of radiant heat transfer in the fuel region of a gaseous nuclear rocket engine, 21:1202 (NP-16337)
KESTENBACH, H.-J. Thermal cycling of neutron irradiated β_1 brass, 23:44502
KESTENBAUM, H. Oscillation in optical and x-ray flux from Scorpius X-1, 25:58535
  Oscillations in x-ray flux from Scorpius X-1, 25:58536
  X-ray spectrum of Scorpius X-1, 25:22294
KESTER, Tilo Temperature dependence of electron spin resonance in neutron irradiated graphite, 22:10943 (CEA-R-3183)
KESTERKE, D. G. Conceptual cell for electrowinning liquid U, 23:22481 (NLCO-1033)
  Electrical conductivity and density of fluoride systems, 25:37389 (BM-RI-7528)
KESTERMAN, F. Long term financial assessment of nuclear containerships, 23:35390
KESTERMAN, Frank Nuclear merchant ship economics, 23:45122
  Nuclear merchant ship economics, 23:47290
KESTERNICH, W. Linear high field magnetoresistance in aluminum, 25:56334
  Measurement of lifetimes up to one second of isomeric nuclear states populated in the decay of radioactive sources, 21:7798
  Parity of excited I = 0 states in ^{144}Nd and ^{178}Hf, 22:7719
KESTERSON, R. Cryogenic beryllium biaxial stress test, 24:32376 (WANL-TME-1986)
KESTERSON, R. L. Cryogenic and ambient tensile and compression properties of hot-pressed block beryllium, 21:45892 (WANL-TME-1619)
  Effects of temperature and pressure on hydriding of Ti—5Al—2.5Sn (ELI), 24:36865 (WANL-TME-2702)
  Tensile properties of I-400 grade Be at cryogenic temperatures, 22:23766 (WANL-TME-1550)
KESTEVEN, M. J. L. Catalogue of galactic radio sources, 22:41153
  Massive H I cloud surrounding some compact H II regions, 24:48951
  Supernova remnants as radio sources, 23:1070
KESTNER, Neil R. He—He interaction in the SCF—MO approximation, 22:17413
  Multipole polarizabilities and London dispersion forces of He and Li^{+} using double perturbation theory, 24:47008
KESTON, A. S. General aspects of derivative analysis, 24:29635
KESWANI, G. H. More tests of general relativity, 23:52000
  Pulsars and a possible new test of general relativity, 23:1147
KESZTHELYI, L. Anomalous hyperfine field at recoiled Rh nuclei of low energy in Fe$_{51.5}$—Rh$_{48.5}$ alloy, 23:23674 (KFKI-3/1969)
  Anomalous hyperfine field at Rh nucleus in Fe—Rh alloy, 24:32920
  Condensed aqueous systems by Moessbauer effect, 21:33119 (KFKI-9/1967)
  Condensed aqueous systems by Moessbauer effect, 22:46255
  Coulomb excitation of Pt nuclei, 25:17904
  Electromagnetic properties of levels of ^{192}Pt and ^{194}Pt, 24:43400
  Factor-g of 656 keV state in ^{110}Cd, 22:32571 (KFKI-11/1968)
  g factors of 210-keV and 240-keV states of ^{195}Pt, 23:25916
  g-factor of 656-keV state in ^{110}Cd, 22:46778
  g-factor of the 320-keV state of ^{51}V measured by Coulomb excitation in Fe—V alloy, 23:3984
  g-factors of Coulomb-excited states of nuclei in alloys, 22:46786
  Gamma-ray spectra of analogue resonances in reaction ^{48}Ti(p,γ)^{49}V, 22:44631
  Investigations of γ spectra of certain (p,γ) resonances, 25:38936
  Measurement of the internal magnetic field by perturbed angular correlation methods, 23:1932 (KFKI-25/1968)
  Moessbauer study of hyperfine fields in Zn—Mn ferrites, 22:46251
  Nuclear g factors of 2+ levels in ^{194}Pt, 25:15034
  Nuclear g factors of three levels of ^{195}Pt, 24:1838
  The g-factor of 663-keV level in ^{186}Os, 21:7783
KESZTHELYI-LANDORI, S. Scintillation response function and decay time of CsI(Na) to charged particles, 23:16120

- KETCHAM, Alfred B. Dissemination of viable tumor by high-energy neodymium laser, 21:41458
- KETCHAM, Alfred S. Exposure of cloudman S-91 melanoma in the CDBA/2F$_1$ hybrid mouse to neodymium or ruby laser radiation, 21:12943
  - Immunologic studies of laser energy or electrocautery, 23:50384
  - Irradiation twenty-four hours preoperatively, 24:32136
  - Laser destruction of chemically induced hepatomas, 22:4675
  - Laser destruction of experimental tumors, 22:28594
  - Light-absorption characteristics of tumor tissue at ruby and neodymium laser energy wavelengths, 22:4617
  - Potentiation of laser oncolysis with pretreatment x-irradiation, 21:45703
  - Ruby laser radiation on the Cloudman S-91 melanoma in the CDBA/2F$_1$ hybrid mouse, 21:26474
  - Surgeon's appraisal of the laser, 22:31129
  - Utilization of cyclophosphamide to potentiate tumor destruction by laser energy, 21:16422
- KETCHEL, Robert J. Plasma oscillations in low-pressure gaseous discharges, 24:12853 (AD-481429)
- KETCHEN, E. E. Cerium-144 data sheets, 22:17157 (ORNL-4185)
  - Cesium-137 data sheets, 22:8039 (ORNL-4186)
  - Compatibility data sheets for ^{144}Ce, ^{137}Cs, Cm, and ^{90}Sr, 25:15838 (ORNL-4359)
  - Curium data sheets, 22:8040 (ORNL-4187)
  - Curium data sheets, 23:13693 (ORNL-4357)
  - Strontium-90 data sheets, 22:8689 (ORNL-4188)
  - Strontium-90 data sheets, 23:17397 (ORNL-4358)
  - Thermal conductivities of ^{90}Sr heat source materials, 21:38929 (ORNL-P-3203)
  - Thermal conductivities of ^{90}Sr heat source materials, 21:39131 (ORNL-TM-1905)
  - Thermal conductivities of Tm$_2$O$_3$, Yb$_2$O$_3$, and a Tm$_2$O$_3$—Yb$_2$O$_3$ mixture, 24:42236 (ORNL-TM-3066)
  - Thermal conductivity measurement of radioactive materials using the heat produced by decay, 24:39709
  - Thermal conductivity of ^{244}Cm$_2$O$_3$ heat source material, 24:5815
  - Thermal conductivity of Cm$_2$O$_3$, 24:25780 (ORNL-TM-2915)
- KETCHESON, J. W. Canadian studies on applications of isotopes and radiation in agriculture and food preservation, 25:52279 (A/CONF.49/P-162)
- KETCHMAN, J. J. Random intact reentry and earth burial study for radioisotope thermoelectric generators, 21:41160
- KETCHUM, Bostwick H. Prog. rpt. on biological, chemical, and radiochemical studies of marine plankton, 1966—67, 21:47023 (NYO-1918-148 and App. A and B)
- KETCHUM, H. W. Economics of food irradiation, 21:26728
- KETCHUM, Harry W. Food irradiation check list of cost considerations, 21:30945 (CONF-670202, pp 71-89)
- KETCHUM, Lynn D. Management of radionecrosis, 25:55270
- KETELERS, R. Atmospheric radioactivity, 24:31489 (NP-18212)
- KETELLE, B. H. Decay of ^{137}Pr, 21:13875
  - Rapid chromatographic elution of a tracer lanthanide using high pressure ion exchange, 23:35311
- KETELS, J. Determination of burn-up by radiochemical analysis of ^{137}Cs, 21:40770 (EUR-3603.f)
- KETILADZE, G. D. EPR spectrum and spin—lattice relaxation in irradiated polyethylene, 23:44506
- KETLEY, I. J. Covariant arbitrary-spin wave functions and helicity couplings, 22:46355
- KETO, J. W. Ultraviolet emission spectrum of electron-bombarded superfluid helium, 24:21723
- KETOLA, H. N. Experimental investigation of water lubricated bearings in the turbulent regime, 22:8274
- KETOV, A. N. Chlorination of thorium dioxide, 24:38817
  - Interaction of NbCl$_5$ with O$_2$, 21:8241 (LA-tr-66-70)
- KETTANI, M. Ali Direct energy conversion, 25:33100
  - Fast randomization of an electron gas by trapped electroacoustic waves, 22:13479
- KETTANI, M.-A. Rapid maxwellisation of an electronic gas by confined electro-acoustic waves, 22:24326
- KETTERER, Frederick D. Continuum electromechanics group electromechanical co-streaming and counter-streaming instabilities, 21:46209 (N-67-18990)
  - Electromechanical costreaming and counterstreaming instabilities, 22:52585
- KETTERMANN, Karl-Bertold Investigations of injury induced by different causes, 25:55332
- KETTERSON, J. B. Attenuation of sound in a liquid ^{3}He—^{4}He solution, 21:7155
  - Discontinuous field-velocity relation for vortex rings in superfluid solutions, 25:52735
  - Dynamic proton polarization in butanol water below 1 K, 23:44776
  - Equation of state for Kondo system La:Ce, 25:17307
  - Evidence for two vortex-ring species in dilute ^{3}He—^{4}He solutions, 25:33164
  - Inversion of de Haas—van Alphen data. I, 25:14433 (ANL-7659)
  - Measuring sound propagation in liquid ^{4}He and ^{3}He—^{4}He solutions, 23:42207
  - New relaxation effect in sound attenuation in liquid ^{4}He under pressure, 24:51581
  - Nonlinear concentration dependence of sound velocity in ^{3}He—^{4}He solutions, 22:44039
  - Sound propagation in liquid ^{4}He, 23:23052
  - Sound propagation through a dilute solution of ^{3}He—^{4}He, 22:15493
  - Sound velocity, density, and Grueneisen constant in liquid ^{4}He, 24:51591
  - Three-phonon process and propagation of sound in liquid ^{4}He, 21:41975
  - Velocity of sound, density, and Grueneisen constant in liquid ^{4}He, 24:21710
- KETTLE, S. F. A. Crystal structure of potassium heptafluoroprotactinate(V) and bonding in ML$_8$ complexes, 21:45126
  - Stereochemistry of metal complexes as an indication of f-orbital participation in the metal—ligand bonding, 21:19595
- KETTLEBOROUGH, C. F. Transient thermoelastic stresses in homogeneous spherical fuel elements, 25:51104
- KETTLER, D. E. Effects of pouring orifice and mold bottom configuration on ingot surfaces, 23:19878 (NLCO-1026)
- KETTMAN, J. Radioresistance of the enhancing effect of cells from carrier-immunized mice in an in vitro primary immune response, 25:32365
- KETTNER, M. E. Atomic mass determinations. II, 23:20067
- KETTRUP, A. Enthalpy of distribution as measure for strength of Lewis base used as solvents, 22:47209
  - Stability of uranyl complexes of substituted acetoacetamides, 23:45258
- KETTUNEN, Kalevi Leucocyte response to portal irradiation, 23:2977
- KETTUNEN, Kauka Strontium-85 in diagnosis of bone and joint tuberculosis, 22:8585
- KETTUNEN, Kauko External counting of ^{85}Sr in bone and joint tuberculosis, 23:26840
- KETUDAT, S. Measurement of the polarization of thermal neutron beams of mixed velocities, 22:9764
- KETZINEL, Z. Recovery of uranium as a by-product of phosphoric acid via HC1 acidulation, 25:23684
  - Uranium sources, production and demand in Israel, 25:51637 (A/CONF.49/P-13)
- KETZLACH, N. Plutonium metal dissolution. II, 21:5833 (HW-51937)
- KETZLACH, Norman Certification of Nuclear Criticality Safety Specialist, 24:31668
  - Criticality study for Hallam fuel fabrication and shipment, 21:1542 (NAA-SR-Memo-5975)
  - Nuclear safety SRE Core III fuel element storage, 22:12032 (NAA-SR-Memo-12472)
- KEUFFEL, J. W. Coherent cosmic-ray model based on direct muon production, 22:52966
  - Evidence for a new production process for 10^{12}-eV muons, 22:7180
  - Muon decays underground and the Utah effect, 25:55897
  - University of Utah neutrino detector. I, 21:19942
- KEUHNER, J. A. J/sup π/ = 5^- level in ^{34}S at 5.689 MeV, 25:53676
- KEUL, Mariane Thermal phase equilibria in the system CaO—Al$_2$O$_3$—SiO$_2$—ZrO$_2$ and their applications to stabilized superfractories of Zr, 25:49555
- KEUSCH, Preston Prog. rpt. on development of a prototype plastic space erectable satellite, 3—5/66, 21:18359 (N-66-29753)
  - Properties of irradiated polyethylene memory materials, 24:4862 (N-69-36762)
- KEUSENHOFF, Juergen Theoretical studies on the influence of wall friction on three-dimensional flow in axial turbomachinery, 24:16367 (K-Trans-55)
- KEVAL, Yu. F. Acceleration of elimination of ^{140}Ba, 22:10729
- KEVAN, L. Chemical alterations resulting from proton irradiation of the lunar surface, 25:22348
  - EPR of Ag^0 site conversion in gamma-irradiated frozen AgNO$_3$ ices, 23:43354
  - γ-irradiated alkaline ice, 24:2226
  - Liquid-phase ion-molecule reactions, 23:47546
  - Molecular electron ionization cross sections at 70 eV, 24:51417
  - Optical absorption spectrum of trapped dielectrons in alkaline ice, 22:41335
  - Paramagnetic relaxation of trapped hydrogen atoms in irradiated frozen solutions, 21:23936
  - Positron annihilation in γ-irradiated 10 M NaOH glassy ice, 25:55835
  - Radiation-induced trapped charge carriers in organic polymers, 24:9359
  - Radical ions, 22:30511
  - Rare-gas sensitized radiolysis of liquid propane, 22:2155
  - Solvated electron in ice, 23:35187
  - Surface catalytic effects in nitrous oxide radiation dosimetry, 21:19978
- KEVAN, Larry Dissociative charge exchange of rare-gas ions with C$_2$F$_6$ and C$_3$F$_8$, 21:18456
  - Energy transfer in radiolysis of rare gas—C$_2$F$_6$ liquid mixtures, 22:10287
  - Energy transfer in radiolysis of rare gas—propane liquid mixtures, 23:285
  - EPR studies on trapped species produced by tritium β particles in alkaline and acid ices at 77°K, 24:31433
  - Evidence for trapped dielectrons in ice, 21:23910
  - Multiple Ag^0 trapping sites in gamma-irradiated AgNO$_3$ ices, 25:54666
  - Optical absorption and photobleaching of trapped electrons in γ-irradiated alkaline ice, 25:15677
  - Optical bleaching of trapped electrons in γ-irradiated alkaline ice. Location of energy levels, 25:26298
  - Paramagnetic relaxation of electrons in alkaline ices, 24:237
  - Paramagnetic relaxation of silver species in γ-irradiated frozen aqueous solutions, 24:36303
  - Paramagnetic relaxation of trapped electrons in irradiated alkaline ices, 21:42982
  - Paramagnetic relaxation of trapped electrons in gamma-irradiated organic glasses, 24:27115
  - Paramagnetic relaxation of trapped hydrogen atoms in irradiated frozen aqueous solutions, 22:12360
  - Photoconductivity in γ-irradiated alkaline ice, 24:50414
  - Prog. rpt. on radiation chemistry, annual, 9/1/67—8/31/68, 22:33375 (COO-1528-26)
  - Prog. rpt. on radiolysis studies on fluorocarbons and on reactive intermediates, final, 9/1/65—8/31/69, 24:5674 (COO-1528-40)
  - Radiation chemistry of frozen aqueous solutions, 22:14514 (COO-1528-18)
  - Radiation chemistry of frozen polar systems, 24:27138
  - Radiolysis of liquid hexafluoroethane, 21:30473
  - Radiolysis of liquid propane: non-radical reactions, 22:21103
  - Radiolysis of liquid propane: radical reactions, 22:18833
  - Scavenger effects on electrons produced by γ rays and photoionization in alkaline ices at 77°K, 24:44052
  - Semicontinuum model for the hydrated electron, 24:27149
  - Silver atom formation and enhancement by fluoride ions in γ-irradiated frozen silver nitrate solutions, 24:18994
  - Solvated electron rates in water and ice, 21:36033
  - Spatial distribution of trapped electrons in gamma-irradiated organic glasses, 22:48174
  - Spatial distribution of trapped radicals in γ-irradiated ethylene glycol dimethacrylate polymers, 22:47157
  - Thermal decay effects on spatial distributions of radicals in γ-irradiated poly(methyl methacrylate), 25:51487
  - Total charge-transfer cross sections in molecular systems, 25:40378
  - Total cross sections in molecular charge transfer reactions with diatomic neutrals, 24:6358 (COO-1528-39)
  - Trapped hydrogen atoms produced by γ rays in alcohol—water mixtures at 77°K, 24:44053
- KEVANISHVILI, G. T. Condensations of spectral type-A stars, 25:30062
- KEVER, H. Korteweg—de Vries equation for nonlinear hydromagnetic waves in warm collision-free plasma, 23:48950
  - Longitudinal finite amplitude waves in a collisional plasma, 22:1183 (LA-3770, Paper B3)
  - Steady, oblique, nonlinear waves in a warm collision-free plasma, 21:7250
  - Trapped reverse field configurations in a linear theta pinch experiment, 22:1181 (LA-3770, Paper A4)
- KEVERN, N. R. Estimates of periphyton mass and stream bottom area using ^{32}P, 24:545
  - Feeding rate of carp estimated by a radioisotopic method, 21:12769
- KEVERN, Niles R. A measurement of low level cesium isotope concentration in a fresh water lake. supplement to final report, 25:39433 (COO-1795-7)
  - Effects of biogeochemical factors on accumulation of ^{137}Cs fallout by large-mouth bass (Micropterus salmoides), 25:37750 (COO-1795-6)
  - Effects of limnological factors on uptake of ^{137}Cs fallout by fish, 25:37749 (COO-1795-3)
  - Effects of selected limnological factors on the accumulation of ^{137}Cs fallout by largemouth bass, 25:46801 (COO-1795-4)
  - Prog. rpt. on effects of limnological factors on uptake of ^{137}Cs fallout by fish, 6/68—3/69, 23:20144 (COO-1795-1)
  - Prog. rpt. on effects of limnological factors on uptake of ^{137}Cs fallout by fish, annual, 6/69—2/70, 24:21097 (COO-1795-2)
- KEVEY, A. Neutron spectrometer for high neutron flux, 23:19993
  - Reaction (n,γ) with a neutron monochromator, 24:7643 (BNL-14110)
- KEVI, L. Investigation of water flow through porous mediums by means of radiotracers, 22:30697
- KEVILL, D. N. Secondary deuterium isotope effect upon the unimolecular dehydrochlorination of t-butyl chloride in acetonitrile, 22:12322
- KEVILL, Dennis N. Deuterium isotope effect upon a bimolecular dehydrochlorination of t-butyl chloride in acetonitrile, 23:35083
- KEVLISHVILI, G. Transplantation of preserved bone marrow in treatment of experimental acute radiation sickness, 22:19388
- KEVLISHVILI, G. E. Effect of the bone marrow breakdown products on hemopoiesis, 25:4533
  - Therapeutic efficacy of preserved bone marrow in therapy of radiation sickness, 21:10964
- KEVROLEV, V. P. BOR fast reactor, 24:47814
- KEWISH, R. W. Jr. Characteristics of the scyllacita theta-pinch, 22:50131 (LA-3863)
  - High energy gun-injected toroidal quadrupole, 25:38330 (CONF-710607-8)
  - Mechanical design of a quadrupole injection experiment, 24:24028 (LA-4250, pp A3.1-6)
- KEWISH, Ralph W. Jr. Plasma stream interactions through polarization electric fields, 23:16793 (LA-3994)
- KEWLEY, D. Metastable state at 1.64 MeV in ^{40}K, 22:27043
  - Study of ^{150}Gd, 25:36775
- KEWLEY, Roger EPR spectra from gamma-irradiated K thiocyanate, 23:42403
- KEY, A. W. Evidence for N* resonances of masses 2080 and 2190 MeV, 21:18917
  - Experiments to study meson resonances, 24:51956 (TID-25473(Vol.4), pp 237-66)
  - Four- and five-body final states from 3-GeV/c π^-p interactions, 22:20145
  - Multiparticle spectrometer design for NAL, 24:52319 (TID-25473(Vol.3), pp 177-209)
  - Production and decay of A$_2$ meson in 7 GeV/c π^-p interactions, 25:7663
  - Reaction πp $\longrightarrow$ Δrho at 50 GeV/c, 24:51953 (TID-25473(Vol.4), pp 19-58)
- KEY, Charles R. Age factor in radiation carcinogenesis of the human thyroid, 25:37855 (ABCC-TR-7-69)
  - Papillary carcinoma of the thyroid gland. Sizes of 525 tumors found at autopsy in Hiroshima and Nagasaki, 24:34381
  - Radiation carcinogenesis of human thyroid, 24:23381 (CONF-690501-, pp 675-80)
  - Smallest forms of papillary carcinoma of thyroid. A study of 141 microcarcinomas less than 0.1 cm in greatest dimension, 25:26898
  - Thyroid carcinoma in Hiroshima and Nagasaki. I, 23:35838
- KEY, F. A. Signal-generated noise recorded at the Eskdalemuir Seismometer Array Station, 21:45268
- KEY, F. J. Pickering: station control, 24:43617

KEY, J. E. Some generalizations of the incremental stiffness relations for finite deformations of compressible and incompressible finite elements, 25:44493
KEY, J. R. Average energy expended per ionized electron-hole pair for α particles in Si(Li), 25:57788
KEY, James Roy Pulse-height anomaly in silicon radiation detectors, 25:15908
KEY, Joe L. Prog. rpt. on RNA metabolism in relation to regulation of protein synthesis in plants, 27 May 1971, 25:37237 (SRO-643-1)
  Prog. rpt. on the synthesis of ribosomes in plants, annual, 1/68—4/69, 23:35581 (COO-1377-10)
KEY, M. H. Enhanced plasma heating in laser-induced gas breakdown at the shock front of a blast wave, 23:27607
  Time and space development of plasma parameters in laser-induced spark in He, 23:30562
KEY, Marcus M. Investigative studies of plasma torch hazards, 22:51653
KEY, P. L. Application of fracture mechanics to glassy plastics, 22:26100 (UCRL-17911)
KEY, S. W. UNIVALVE: computer code for analyzing dynamic large deflection elastic-plastic response of beams and rings, 22:18665 (SC-RR-66-2682)
KEY, Samuel Large deflection strain rate-velocity relation for general shell under Kirchhoff assumption, 21:32067 (SC-RR-66-658)
KEY, Samuel W. SLADE: computer program for static analysis of thin shells, 25:6249 (SC-RR-69-369)
KEYES, G. Lambdaπ^- production from K$^-$ interactions in He, 24:40273
  Mass measurements using the range—energy relation in a helium bubble chamber, 21:44287
  Measurement of K$^-$ cascade time in liquid He, 24:47363 (CONF-690557-(Vol.2), pp 753-7)
  New measurement of /sub Λ/^{3}H lifetime, 22:22324
  Properties of /sub Λ/^{3}H, 24:24246
  Properties of Λ-H^3, 24:47378 (CONF-690557-(Vol.1), pp 368-402)
  Range—energy relation in helium, 24:37185
  Reactions of stopping K$^-$ in He, 24:32971
  Reactions of stopping K$^-$ in He, 24:47382 (CONF-690557-(Vol.2), pp 862-84)
KEYES, Gary Sylvester Hypernuclei produced by K$^-$ interactions in a helium bubble chamber, 24:32968
KEYES, J. J. Jr. Exploratory plasmadynamic studies of vortex and coaxial flow geometries employing radio-frequency induction heating, 24:19880 (ORNL-TM-2856)
  Hydromagnetic stabilization experiments with jet-driven vortex flow, 23:22971
  Hydromagnetic stabilization of jet-driven vortex flow, 21:45294 (ORNL-TM-1896)
  Magnetohydrodynamic stabilization experiments with jet-driven vortex flows, 21:5121 (ORNL-P-2724)
  Study of wall-turbulence phenomena using hot-film sensors, 22:16766
KEYES, John Judson Jr. Diffusion in a ternary gas system, 23:6266
KEYES, John W. Jr. Extended irradiation in Hodgkin's disease, 23:26952
KEYES, P. L. Endocrine function of the ovarian interstitial gland of rabbits, 23:793
  Maintenance and function of corpora lutea in rabbits depend on estrogen, 21:26608
KEYES, P. Landis Steroid secreting capacity of x-irradiated rat ovaries, 23:31964
KEYES, R. E. FFTF closed loop test characteristics, 24:43806 (BNWL-1251)
KEYES, W. I. Ratemeter controlled rectilinear scanning, 25:8494
  Rectally administered radio-iodide in the detection of hepatic metastases, 24:48622
  Statistically designed color ribbon for scanners, 24:39228
KEYEUX, A. Functional and circulatory changes in rats after local irradiation, 25:55328
  Late functional changes in irradiated rats, 25:42668
  Scintiphotography of normal skull using ^{99}Tc—pertechnetate, 23:22342
KEYFITZ, I. M. Feasibility study of nuclear steam supply system using 10,000-MW, Na-cooled breeder reactor, 21:23588 (ANL-7183)
  Is sodium reheat justified in a sodium-cooled fast breeder reactor power plant cycle, 23:4207
  Moisture separation or steam reheat vs sodium reheat plant cycle technical and economic evaluation, 23:33028 (WARD-2000-20)
  Steam generator concept selection, 23:33077 (WARD-2000-22)
KEY II, Paul Leland Factors affecting fracture characteristics of cracked W crystals, 23:22557 (UCRL-18620)
  Fracture of cracked tungsten crystals, 24:14732
KEYL, W. Comparison of scintigraphy and x-ray diagnosis in osteomyelitis, 24:759
KEYMENOVA, N. G. Relationship between middle-latitude vlf emissions and magnetic activity, 23:10551
KEYS, G. T. An application of refractory metals to an instrumentation problem, 21:9159
KEYS, J. G. Association between x rays and auroral radar echoes in the southern auroral zone, 25:9320
KEYS, L. H. Film breakaway in Zr oxidation, 22:12976
  Metallographic study of break-away during oxidation of Zr, 22:41000 (WAPD-Trans-0092)
KEYS, L. K. Comparison of recovery of damage in W and Mo after neutron irradiation, 23:44517
  High-temperature recovery of tungsten after neutron irradiation, 23:8683
  Isochronal resistivity study of defect recovery in high-neutron-fluence irradiated molybdenum, 24:30389
  Neutron irradiation and defect recovery of tungsten, 24:21402
  Point-defect recovery in neutron-irradiated W at 0.31 T/sub m/, 23:48969
  Recovery of damage in neutron irradiated W/25 wt. percent Re, 24:12443
  Recovery of damage in neutron-irradiated A-286, 23:36167
  Saturation and recovery in neutron-irradiated molybdenum, 23:8695
  Stage III recovery in neutron-irradiated W, 22:13042
KEYS, W. Scott Application of radiation logs to groundwater hydrology, 22:19066
  Aquifer evaluation with radioisotope well logs, 23:443
KEYSER, Carl A. Materials science in engineering, 23:29955
KEYSER, Leon F. Oscillator strength of the resonance triplet of atomic oxygen, 21:37179
KEYSER, Leon Frank Infrared and UV spectra of compounds in solid Kr during photolysis or radiolysis, 22:4225
KEYSER, R. Present status of software for computer control in CERN ISR project, 25:50380
KEYSER, R. M. 21.7 and 22.1 MeV states in ^{17}O, 25:53615
KEYSER, Ronald M. Characterization of trapped electrons in γ-irradiated hydrocarbon polymers, 23:33208
  Trapped electrons in γ-irradiated polyethylene, 23:304
KEYSER, Ronald Melvin ESR study of trapped electrons in γ-irradiated hydrocarbon polymers, 25:23625
KEYSTON, J. R. Measuring speed of flux jumps in type-II superconductors, 21:5217
KEYSTON, J. R. G. Superfluid film formation in dilute liquid mixture of ^{4}He in ^{3}He, 21:13475
KEYWELL, Frank Charge collection in silicon detectors operated with field region less than range of alpha or beta particles, 21:41210
KEYWORTH, G. A. Analysis of the fission and capture cross sections of the curium isotopes, 25:34098
  Argon-40(d,p) excitation functions over the ground-state isobaric analog energy region, 21:12010
  Experimental high-resolution investigation and shell-model interpretation of the ^{41}Ca ground-state analog, 23:25879
  Fine structure of isobaric analogue resonances in ^{43}Sc and ^{45}Sc, 23:3966
  Fission and capture cross sections of some curium isotopes from the physics 8 nuclear explosion, 25:38987 (LA-4566)
  High resolution fission cross section of ^{235}U from 20 eV to 100 keV, 25:20418
  High-resolution study of isobaric analog resonances in ^{23}Na, 23:15367
  Proposed ultra-low temperature polarized target for use with single-burst neutron sources, 25:5451 (LA-4465, pp 8.1-2)
  Proposed ultra-low temperature polarized target for use with single-burst neutron sources, 25:53478
  Underground nuclear explosion as a polarized neutron source, 25:5475 (LA-4465, pp 7.1-2)
  Underground nuclear explosion as a polarized neutron source, 25:53509
KEYWORTH II, George Albert Isobaric analogue states in ^{41}K and ^{23}Na, 23:39979
KHABAKHPASHEV, A. G. Beginning of experiments on positron—electron storage ring VEPP-2, 21:33828
  Evidence for electron-positron pair electroproduction, 25:27994
  Investigation of PHI-meson resonance by electron-positron colliding beams, 25:47710 (NP-18933)
  Investigation of rho-meson resonance with electron—positron colliding beams, 21:46460
  Investigation of the rho-meson resonance with electron—positron colliding beams, 23:18784
  Measurements of luminosity in colliding beams by small angle scattering, 21:33829
  Study of rho-meson resonance using colliding electron—positron beams, 24:6679 (SLAC-Trans-105)
KHABIBULLIN, B. M. Magnetic neutron counter, 21:3251
  Neutron counter of hot and coherent phonons, 25:45593
  Resonant absorption of ultrasound by nuclei in an intermediate state superconductor, 25:3028
KHACHATRYAN, A. G. Kinetic method for analyzing mixtures of rare earth elements, 25:57319
  Kinetic method for the quantitative determination of rare-earth elements in a mixture, 25:37271
KHACHATRYAN, B. V. Problem of transition radiation for a plasma plate, 25:43367
KHACHATUROV, A. A. Wrought molybdenum-base alloy, 23:27088
KHACHATUROV, Yu. G. Radioisotopic analysers for determining sulphur content in the oil-products and the experience in their exploitation, 25:35040
  Radiometric determination of S, 23:21656
KHACHATURYAN, A. G. Ordering of interstitial impurities in tantalum, 23:48482
  Phase transition associated with radiation defects, 25:29911
KHACHATURYAN, E. G. Generation of fast electrons through interaction of a superhigh frequency wave with a collisionless plasma, 25:47585 (NP-18958)
KHACHATURYAN, M. N. Four-channel high voltage source with stabilization and adjustment in range from 5 to 25 kV, 22:38161
  High voltage generator for spark chamber with gap from 1 to 15 cm, 22:38082
  Measurement of pp and pd scattering at 4.0 Gev, 21:883
  New method for measuring the effective mass in the decays: $x \rightarrow \gamma + \gamma$, 21:24216
  New method of taking information from spark chambers, 25:42147
  New method of the information extraction from spark chambers, 24:27403 (JINR-P13-5016)
  Observation of the (e^+e^-)-decay modes of neutral vector mesons, 21:21227
  $\pi^- p \rightarrow$ etan cross section in small transfer range at 4 GeV/c, 24:26378
  Spark chambers with 10-cm gap in apparatus for investigation of resonance radiative decay, 22:38090
  Time-of-flight and coordinate measurements in a 130 cm scintillation counter, 25:4318 (JINR-E1-5098)
KHACHIKIAN, E. Y. Two new Seyfert galaxies, 22:29033
KHACHIKYAN, E. E. Colorimetric investigation of cometary nebula Anon 6/sup h/04/sup m/, 22:43805
  Colorimetric measurements of galaxy NGC 6946. I, 23:3232
  Spectral observations of Markaryan galaxies with ultraviolet continuum. I, 25:2865
  Spectral observations of Markaryan galaxies with uv continuum. II, 25:9140
  Variability of polarization of the Crab Nebula, 24:12515
KHACHIKYAN, Edward E. New cloud of hydrogen emission in a bright galactic nucleus, 25:22330
KHACHIKYAN, V. S. Distribution of cosmic rays in eastern part of the USSR, 22:11270
KHACHIROV, Dzh. G. Distribution of short-lived daughter products of radon in the respiratory tract, 25:39795 (AEC-tr-7232, pp 145-54)
  Radon hazard in U and non U mines, 25:16120
  Short-lived daughter products of radon in respiratory tract, 24:44411
KHACHKAVANKTSYAN, A. S. Effect of x irradiation on functional activity of white rats testicles, 23:10083
KHACHKURUZOVA, E. S. Bone marrow grafting in radium therapy, 23:29683
KHADAKE, R. G. Wide range portable radiation survey meter for emergency monitoring, 23:47777
KHADEEV, V. A. Amperometric determination of small amounts of Th. I, 22:48825
  Amperometric methods for determination of thorium. II, 23:11410
  Determination of Th with EDTA, 23:37902
KHADEM-AWAL, M. Acid alizarin Black SN as reagent for extraction photometric determinations of metals, 23:40551
KHADI KADOM AVAD Extraction of technetium and rhenium with 8-mercaptoquinoline, 23:43393
KHADKIKAR, S. Projected HFB calculations in p-f shell nuclei, 25:50855
KHADKIKAR, S. B. Alpha clustering in light nuclei with Skyrme interaction, 25:59883
  Charge form factor of ^{4}He, 24:28851
  Effect of pairing correlations on ^{22}Ne spectrum, 24:38152
  Electromagnetic properties of the first excited states of ^{58} ^{60} ^{62}Ni, 25:45993
  Hartree—Fock—Bogoliubov projected spectra for finite nuclei, 22:37392
  Hartree—Fock—Bogolyubov calculations, 24:30942
  Isobaric spin mixing from self-consistent treatment of Coulomb interaction, 23:32964
  Method to treat configuration mixing across major shells, 21:4369
  Pairing correlations in nickel isotopes, 24:15864
  Pairing correlations in nickel isotopes, 25:50709
  Projected Hartree—Fock method and stretch scheme, 23:25895
  Projected Hartree—Fock spectra in 1f-2p shell nuclei, 22:20689
  Projected Hartree—Fock—Bogolyubov calculation for Ti isotopes, 24:49847
  Relativistic correction to nuclear spectra, 25:50663
  Shape mixing in ^{20}Ne, 25:59728
  Shape of ^{24}Mg ground state, 25:50710
  Stretch scheme energy levels of ^{44}Ti, 24:15838
  Two-particle—two-hole excitations and intrinsic shapes of deformed nuclei, 25:45957
KHADR, F. H. Variation and covariation of seed weight and its components in wheat following irradiation, 25:13419
KHADSHI, P. I. Infrared absorption by excitons due to photoionization and lattice scattering, 21:2300
KHADZHI, B. A. Phase of VLF signals during solar eclipse on Sept. 22, 1968, 25:2997
KHADZHI, V. E. Determining the activation energy of formation of smoky centers in synthetic quartz containing aluminum, 23:32569
KHADZHIDEKOV, G. Diagnosis of chronic radiation sickness, 22:31255
  Some roentgenologic changes of the skeleton in diabetic patients, 22:33862
KHADZHIEV, K. Kh. Effects of ionizing radiation on the dynamics of free amino acid distribution in the walls of intestinal tract, 21:4763
KHADZHIMUKHAMEDOV, Kh. Kh. Ion scattering by molybdenum monocrystal surface, 22:5128
  Scattering of alkali-metal ions by surfaces of poly- and single crystals, 23:44527
KHAENKO, B. V. Real structure of the higher carbide of vanadium, 24:44809
KHAFIS, L. Collective interactions in a fast thetatron discharge, 23:20906
KHAFIZ, L. Collective interactions in a fast thetatron, 24:15298 (KHFTI-69-32)
  Collective interactions in a fast thetatron, 24:45238 (AEC-tr-7164)
KHAI, D. M. X-ray scintillation detector for the radiation of light elements, 23:31530
KHAIBULLIN, I. B. Distribution of phosphorus in layered Si structures, 25:7447
KHAIDAROV, A. Activation method for zinc determination in igneous rocks, 24:18923
  Determination of tantalum in sphere by activation analysis, 25:57371
  Quantitative determination of bismuth in certain minerals by activation analysis, 25:46474
  Radioactivation determination of rhenium by using ampoule neutron sources, 23:2196
KHAIDAROV, A. A. Activation analysis of rocks and other objects, 21:32134
  Natural diamond luminescence excitation by γ-quanta, 24:1470
  Rhenium determination by radioactivation analysis using ampule neutron sources, 22:4031
  Use of nuclear radiation in analysis of substances, 25:6289

- KHAIDAROV, E. Effects of irradiation of corn seeds on yield and quality, 23:20423
- KHAIDAROV, K. Effects of γ radiation on properties of lasers, 24:23049
  - Influence of large doses of γ radiation on optical properties of quantum generator, 25:35082
  - Inverse population of Nd^{3+}-activated glass lasers, 24:30134
- KHAIDAROV, N. A. Neutron-activation determination of Re in Mo concentrates, 22:37680
- KHAIDAROV, T. Lifetime of the first excited state of ^{149}Sm, 21:2752
- KHAIKIN, A. S. Investigation of transitions between excited states of neon atoms in collisions with electrons, 25:2920
  - Rates of transitions between neon excited levels induced by electron collisions, 22:19796
- KHAIKIN, G. I. Pulse radiolysis of aqueous and ammonium solutions, 23:47504
- KHAIKIN, R. A. Measurements of electric conductivity of oxides at elevated temperatures, 23:49003
- KHAIKOVICH, I. M. Effective atomic number of homogeneous media with γ sources, 23:12953
  - Fast-neutron thermalization time in silicate ores of varying moisture content, 25:13109
  - Gamma distribution in medium of arbitrary elemental composition, 25:43426
  - Theory of the helium method of prospecting for deposits of radioactive elements, 21:40999 (AEC-tr-6901)
- KHAIKOVSKII, A. A. Corrosion and mechanical properties of Zr alloys in CO_2, 25:42813
- KHAILOV, K. M. Binding of ^{141}Ce, ^{106}Ru, ^{137}Cs, and ^{65}Zn with hydrophilic high molecular weight compounds, 23:40624
- KHAIMANN, R. Performance of instrumentation for nuclear techniques in measurement, control, and automation made by the Dresden Vacutron VIB plant, 21:4721
- KHAIMOVA, Sh. M. Elimination of the effect of the sample composition on the line intensity of certain rare metal impurities, 25:57330
- KHAIMOVICH, F. P. Effect of magnetic resonance on angular γ—γ correlation, 22:18315
  - Influence of the crystal field on angular γ—γ correlation in paramagnets, 22:5439
  - Perturbed angular γγ correlations for oriented nuclei, 24:30892
- KHAIMOVICH, V. S. Investigation of molybdenum and nickel, 24:21406
- KHAIMOV-MAL'KOV, V. Ya. Radiation phenomena in aluminum oxide, 24:10198
- KHAIN, P. Measuring projector for the treatment of photographs from bubble chambers, 23:2650
- KHAING, Chit Semi-empirical formula for K-shell photoeffect in intermediate and high Z atoms, 25:49727
- KHAING, U. Chit Radioactive fallout in rainwater, 24:5765
- KHAINOVSKAYA, V. V. Correlation of the electrical and mechanical properties of irradiated germanium crystals, 22:39184
  - Effect of electron and γ-ray bombardment on microhardness of germanium, 22:31439
  - Interaction between radiation defects and dislocations in germanium, 22:13559
  - Interaction of dislocations with radiation defects in germanium, 23:3583
  - Interaction of radiation defects with dislocations in germanium, 21:18812
  - Irradiation and annealing of crystals of germanium with high density dislocations, 24:19948
- KHAINSOV, Ya. I. Covering the modulated part of load diagram in large power systems, 25:34239
- KHAIRALLAH, A. Heterogeneity in Masurca 1-A assembly, 22:35649
  - Sodium-void and Doppler reactivity coefficients in fast reactors and critical assemblies, 21:35553 (ANL-7320, pp 394-402)
- KHAIRALLAH, P. A. Effect of ions on angiotensin interaction with smooth muscle, 21:12801
- KHAIRETDINOV, E. F. Changes in the dielectric properties of silver oxalate and nitrite on radiolysis and thermal decomposition, 23:6180
- KHAIRUSHEV, Zh. A. Effects of radiotherapy of cancer of the esophagus on the cardiovascular system, 23:29702
- KHAITOV, B. K. Use of tritium as an indicator for subterranean waters, 23:35330
- KHAITOV, R. M. Healing of fractures in rabbits subjected to chronic gamma irradiation, 25:52111
  - Protective effectiveness of bone marrow in prolonged irradiation, 25:44827
  - Suppresion of endocolonization in sublethally irradiated mice, 25:10986
- KHAIZER, Kh. New isomers /sup 128m/La and /sup 130m/La, 21:5533 (JINR-P7-2966)
- KHAKHAEV, A. D. Cross sections for excitation and quenching in $2p^5nd$ and $2p^5np$ configurations of neon, 22:29216
- KHAKHALOV, A. A. Uranyl oxalate compounds with hydrazine, 24:20754
- KHAKHANOVA, N. L. Biological effect of a 12-time repeated gamma radiation treatment of white mice, 21:16446 (JPRS-38272, pp 231-2)
- KHAKIMOV, A. A. Operational experience with VK-50 reactor facility, 25:28579
- KHAKIMOV, F. Kh. Ion—sound turbulence in dense plasma, 25:43406 (JINR-P9-5846)
- KHAKIMOV, M. Gamma-activation method for quantitative determination of N and P in modified cellulose, 24:29237
- KHAKIMOV, P. A. Acceleration of the synthesis of protein and DNA in Ehrlich's ascites carcinoma by γ-irradiation, 22:14917
  - Effect of ionizing radiation on mitotic activity of cultured cells, 25:58080
  - Effects of γ and radiotoxins on Ehrlich's ascites carcinoma cells, 24:7754
  - Luminescence-cytochemical investigation of effects of γ rays and radiotoxins on cells of Ehrlich ascites carcinoma, 22:51958
  - Nuclear DNA-proteids in cultured cells after ionizing radiation, 24:48418
- KHAKIMOV, S. Kh. Angular distribution of positrons of $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ decay in 140 kg magnetic field, 21:2360
  - Computation for pulsed magnetic field coils, 21:1005
  - Dirac monopole, 24:21951 (IAE-1856)
  - Pulsed magnetic fields for accelerators and heat release and stress in field coils, 22:22494
  - Search for Dirac monopole at 70 GeV I.P.H.E. proton synchrotron, 24:24210
- KHAKPOUR, Manijeh Protective effects of specific immunity to viral neuraminidase on influenza virus infection of mice, 23:50954
- KHALAF, K. A. Recent developments at kuwait in the control of scale at elevated temperature, 25:10359 (ORNL-tr-2411)
- KHALANSKII, A. S. Influence of fractional local irradiation on the growth of experimental ependymoblastoma, 21:20334
- KHALATNIKOV, I. M. Absorption and dispersion of sound in a superfluid liquid near the lambda point, 23:46428
  - Asymptotic analysis of oscillatory mode of approach to a singularity in homogeneous cosmological models, 24:44951
  - Cosmological solution of the gravitational equations, 24:10837
  - General solution of the gravitational equations with a physical singularity, 24:10841
  - General solution of the gravitational equations with a physical singularity of an oscillatory nature, 24:44952
  - Magnetic universe with matter, 21:22955
  - Nature of the singularities in the general solutions of the gravitational equations, 23:32829
  - Oscillatory approach to a singular point in the relativistic cosmology, 25:9877
  - Oscillatory approach to singular point in the open cosmological model, 24:28066
  - Oscillatory mode of approach to a singularity in homogeneous cosmological models with rotating axes, 25:52591
  - Sound absorption in superfluid He, 23:27545
  - Sound in a degenerate solution of ^3He in superfluid He, 21:33342
  - Theory of Bose—Fermi quantum liquids, 24:1360
  - Theory of evolution of homogeneous cosmological models, 25:16733
  - Theory of Fermi—Bose quantum fluids, 23:5506
  - Vibrational regime of approach to a specific point in relativistic cosmology, 25:45285
- KHALCHITSKII, E. P. Linear induction accelerator, 21:9885
- KHALDEEVA, I. V. Spark calorimeter study of muons at 200 mwe, 22:13265
- KHALDIN, N. N. Acceleration of lithium ions in a cyclotron, 23:30892
  - Acceleration of lithium ions in a cyclotron, 24:28656
  - Design of isochronous cyclotron laboratory, 24:3801 (LA-tr-69-23(Draft))
- KHALDOYANIDI, K. A. NMR and nature of phase transitions in solid MoF_6 and WF_6, 23:6104
- KHALDRE, Yu. Yu. Electron paramagnetic resonance investigation of electron and hole processes in KCl:Ag and NaCl:Ag crystals, 21:29376
  - Investigation of electron and hole processes in KCl:Ag by ESR method, 21:21060
  - Temperature stability of self-trapped holes in some alkali metal halide single crystals, 21:29375
- KHALEQUE, Mohammad Abdul Preliminary results concerning the preservation of fresh tomatoes by gamma radiation, 25:610
- KHALFIN, L. A. Admissible mass distributions of unstable particles, 22:41760
  - Causality and scattering of wave packets, 24:28628
  - Conditions of allowable mass distributions of unstable particles, 22:48246
  - Dispersion sum rules for form factors, 22:34895
  - Dispersion sum rules for the form factor of the π meson, 23:16956
  - Electromagnetic radius of the pion, 23:18849
  - Non-exponential law of decay and interference experiments, 22:29671
  - Phenomenological theory of K^0 mesons and non-exponential character of decay, 23:1621
  - Problem of A_2 meson, 24:45518
  - Real part of scattering amplitude at high energies and dispersion sum rules, 22:9612
- KHALFIN, L. S. New form for dispersion sum rules, 22:7523
- KHALID, M. S. Sorption of krypton and fast neutron irradiation damage in synthetic mordenite and synthetic faujasite, 23:15892
- KHALIFA, H. Determination of Ti and Zr, 23:28702
- KHALIFA, K. Neutron-activation analysis by standard addition and solvent extraction. determination of traces of antimony, 22:12241
- KHALIFAEV, S. M. Influence of complex compounds of trace elements on the rate of incorporation of ^{14}C—glycine into γ-globulin and antibodies of nonirradiated and irradiated rats, 22:10853
- KHALIKOV, A. Kh. Lifetimes of ^7Li level and ^{11}C level, 25:50640
- KHALIKOV, D. R. Change in the nucleotide composition of the DNA of cotton seeds under the action of ^{60}Co γ rays, 21:8692
  - Gamma-irradiation after effects on the nucleotide composition of RNA in a cotton plant, 21:34586
  - Radiochemical studies of some amino acid and peptide solutions, 21:26347
- KHALIKOV, P. Kh. Chromatid rearrangements under influence of radiation G_1 phase, 25:44787
  - Chromosome damages induced by γ-ray doses in Crepis capillaris, 25:4498
  - Effect of x rays on chromosomes in seeds of Crepis capillaris, 24:50844
  - Mutation induced by gamma irradiation of chromosomes in Crepis capillaris, 25:35128
- KHALIKOV, S. K. Action of propamine and irradiation on purine compounds synthesis, 21:10754
  - Biosynthesis of adenosinetri-, adenosinedi-, and adenosinemonophosphoric acids in the nuclei of rat thymus, 24:9768
  - Biosynthesis of inosinic acid in the hyaloplasm of pigeon liver on introduction of a radioprotective substance, 21:36651
  - Formation of derivatives of folic acid in x-irradiated pigeon liver, 22:47627
  - Influence of folic acid on inosinic acid synthesis in liver cell hyaloplasm after irradiation, 21:34607
  - Synthesis of inosinic acid, inosin, and hypoxanthine in pigeon liver, 21:4776
- KHALIKOV, T. Determination of certain elements in coal by activation analysis using 14.5-MeV neutrons, 22:37695
  - Radiation grafting of vinyl acetate to butyl rubber, 23:49853
- KHALIKOVA, D. Kh. Angular distribution of elastically scattered ions with inelasticity being taken into account, 22:16073
  - Calculating the elastic collision cross sections of atoms and ions with inelastic processes being taken into account, 23:16663
  - Theory of nuclear reactions for calculations of atomic collisions, 21:37166
- KHALIKULOV, A. B. Half-lives of 2^+ and 4^+ levels of main and rotational band in even-even nuclei of Os, Er, Dy, 24:52560 (JINR-P6-5201)
  - Lifetime of excited states in spherical nuclei ^{129}La, ^{131}La, and ^{133}La, 25:10029 (JINR-P6-5200)
- KHALIL, A. A. Comparative study of effect of certain chemical and physical mutagenic factors on barley seeds, 22:21490
- KHALIL, Ahmad B Potential model of SU(3)-symmetry breaking for mesons, 23:10845
- KHALIL, Ahmad B. Proton—deuteron bremsstrahlung, 23:51884
- KHALIL, M. A. Measurement of reaction $^{35}Cl(n,\gamma)^{36}Cl$ using a three-crystal pair and anti-Compton spectrometer, 25:10000 (PH-2)
- KHALILOV, A. Kh. Induced activator color centers in KCl:Ag phosphors, 25:40791
- KHALILOV, V. R. Effect of induced radiation of electrons moving in planar electromagnetic wave on orientation of their spins, 25:12161
  - Influence of the external magnetic field upon some quantum processes, 23:51886
  - Note on the dependence of induced synchrotron radiation on properties of external radiation, 22:24585
  - Quantum theory of a radiating charged particle moving in a magnetic field and in a plane wave, 23:32677
  - Radiation of charge moving in the field of the planar wave in magnetic field, 23:13013
  - Radiation of scalar particles in field of two traveling electromagnetic waves moving toward each other, 25:59226
  - Stimulated emission of electrons moving in a magnetic field, 21:43835
  - Stimulated emission of radiation by electrons moving in the field of a plane electromagnetic wave, 23:51904
  - Stimulated radiation from charged particles moving in a plane electromagnetic field, 24:24202
- KHALILUR RAHMAN, M. Improvement of quality of jute fiber and timber by using gamma radiation, 23:2334
- KHALIN, N. F. Determination of oxygen in beryllium by neutron activation method, 23:13681
  - Measurements of the angular distribution of fission fragments, 21:287
  - Target production by directional evaporation in high vacuum, 21:33835
- KHALIQUZZAMAN, Md. Sum-coincidence spectrometer and its characteristics, 21:39220
- KHALIZEV, A. E. Genetic mutations in cell cultures of mammals, 25:8638
- KHALKHALI, Zhila Preparation of ^{131}I-labelled proteins by an electrolytical method and purification of labelled product, 23:29296 (RISO-192)
- KHALKIN, V. Sign of astatine ion charge in $HClO_4$—$H_2Cr_2O_7$ solutions, 25:26209 (JINR-P12-5644)
- KHALKIN, V. A. Adsorption of astatine on platinum from nitric acid solutions, 21:10335
  - Adsorption of monovalent astatine cation by cesium phosphotungstate and hydrated tungsten oxide from nitric acid solutions, 25:4053 (ANL-Trans-861)
  - Anion-exchange adsorption of Gd and Eu by IRA-400 amberlite from water—methanol solutions containing neutral nitrates, 21:8413
  - Anion-exchange behavior of rare earths in aqueous methanol solutions. II, 21:14297
  - Anion-exchange behavior of rare earths in aqueous methanol solutions. I, 21:14296
  - Application of a sodium amalgam for rapid separation of carrier-free radioactive rare earth isotopes, 23:13845
  - Astatine, 21:47 (JINR-P-2895)
  - Astatine-211, ^{211}Po, ^{210}At, ^{209}At, and ^{207}At α spectra, 23:8976 (JINR-P6-4079)
  - Carburization of microamounts of radioactive isotopes of light rare earth elements and Yb by an amalgam of Na in presence of macroamounts of Tb, Er, and Lu, 23:28976
  - Chemical changes during electron capture of ^{125}Xe in certain inorganic systems, 24:38987
  - Chlorine complexes of monovalent astatine cation in nitrate solutions, 22:2029 (JINR-P12-3529)
  - Chromatographic method for the preparation of carrier-free radioiodine preparations with high specific (volume) activity, 21:10387
  - Determination of the boiling point of astatobenzene, 25:8259 (ANL-Trans-869)

  - Fast radiochemical separations based on Szilard—Chalmers-effect. II, 22:40105 (JINR-P12-3887)
  - Inorganic and organometallic forms of astatine, 21:42928
  - Investigation of ^{151}Tb irradiation, 21:12020 (JINR-P-2915)
  - Investigation of ^{151}Tb radiation, 22:5853
  - Investigation of α spectra of Bi isotopes, 21:44688
  - Investigation of new inorganic and heteroorganic forms of astatine, 25:6291 (ANL-Trans-863)
  - Positrons in ^{147}Gd decay, 21:2741
  - Radiochemical separations based on Szilard—Chalmers-effect in lanthanide complexes with polyamine—polycarboxilic acids. I, 22:40157 (JINR-P12-3886)
  - Reaction with benzene of ^{123}I and ^{211}At formed from the noble gases during K-capture, 25:8284 (ANL-Trans-870)
  - Reactions of ^{123}I and ^{211}At with benzene during K capture from noble gases, 24:38946
  - Sodium amalgam case hardening of microquantities of carrier-free rare earths in acetate solutions, 21:8259
  - Sorption of astatine cation by the cation exchange resin Dowex 50 x 8 from the aqueous solutions of $HClO_4$, 25:51582 (JINR-P12-5855)
  - Stability constants of chloride complexes of mono-valent astatine in nitric acid solution, 23:7507
  - Use of extraction chromatography for improving yttrium analysis sensitivity to rare earth impurities, 21:38879
  - Use of rare earth complexes with DTPA as target for irradiation with 660-MeV protons, 23:40712
- KHALKIN, W. A. Method for the separation of genetically connected isobaric and isomeric pairs of rare earth nuclides, 23:31407
- KHALLAF, A. S. Energy of interaction between neutral atoms in an external magnetic field, 25:33491
- KHALMURADOV, R. S. Dispersion model of scattering at small pulse transmission and high energies, 21:31642
  - Elastic scattering near 90° at high energies, 24:24454
  - Elastic scattering of high-energy particles at large angles, 24:24343
  - Model for elastic hadron scattering at high energies, 23:27808
- KHALOUPKA, P. Position of the cosmic-ray equator during 1956—1963 in the region of the zeroth meridian, 22:21953
- KHALOV, E. M. Heat release distribution in fast reactors with absorber rods, 22:10014 (ANL-Trans-542)
  - Study of the heat-release distribution in fast reactors with absorber rods, 22:35551
- KHALUPA, B. Neutron-diffraction studies, 24:31725
- KHAMANKAR, Y. G. Base specific chemicals and mutation analysis in Lycopersicon, 23:31689
  - Mutation rates and range with base specific chemicals, 24:41825
- KHAMARMER, S. I. Pressing and sintering of carbonyl molybdenum powders, 23:24830
- KHAMBANONDA, P. Induction of mutations in Thai rice varieties, 24:39493
  - Standard neutron irradiation facility experience in Thailand, 25:27062 (IAEA-R-459)
- KHAMBANONDA, Pricha Induction of mutations in Thai rice varieties, 24:41810
- KHAMBATA, S. J. Abundance of isotopes of Pb in rock of Deccan traps, 21:32095
- KHAMIDOV, D. Kh. Effect of ionizing radiation on mitotic activity of cultured cells, 25:58080
  - Electron microscopic and hystochemical studies of small intestine following ^{60}Co γ irradiation, 23:38475
  - Electron-microscopic investigation of compensatory hypertrophied adrenal gland, totally irradiated by γ-rays of ^{60}Co, 23:8070
  - Nuclear DNA-proteids in cultured cells after ionizing radiation, 24:48418
  - Results of histochemical studies of glycogen and liver cells ultrastructure of irradiated rats, 25:13378
- KHAMIDOV, D. S. Investigation of free radicals of gamma-irradiated cellulose derivatives by EPR, 25:51515
- KHAMIDOV, N. Inverse population of Nd^{3+}-activated glass lasers, 24:30134
- KHAMIDOV, O. Kh. Binary systems of rhenium with rare-earth metals, 23:30068
  - Certain physical properties of metallic compounds of rhenium, 24:10064
  - Investigation of the solubility of metals in rhenium and certain properties of the alloys, 24:1008
  - Magnetic properties of metallic compounds of rhenium, 25:7491
  - Phase diagram of the system Tb—Re, 23:10229
  - Phase diagrams of the gadolinium—rhenium and erbium—rhenium systems, 21:36871
  - Scandium—rhenium system phase diagram, 21:11253
  - Superconducting metallic compounds of rhenium, 25:36038
  - Terbium—rhenium system, 23:10223
- KHAMIDOVA, Kh. M. Features of secondary, slow-ion induced ion emission by W—Mo alloys, 22:50002
  - Secondary ion emission from W—Mo alloys bombarded with slow ions, 23:3276
- KHAMIDOVA, R. Radiation-based determination of copper in natural waters, 24:13794
- KHAMIDULLIN, M. G. Critical field of a solid cylinder with a coating of normal metal, 25:58941
- KHAMO-LEILA, M. A. Investigations of emissions from ^{99}Tc, ^{96}Tc, and ^{97}Zr, 21:7788
- KHAM'YANOV, L. P. Gamma emission in capture of thermal neutrons on Cr isotopes, 25:34046
  - Gamma-ray spectra measurement from the capture of intermediate neutrons, 25:25672
  - Time and energy distribution characteristics of neutrons emitted from hydrogen-containing radiators, 22:20406 (FEI-85)
  - Time and energy distribution characteristics of neutrons emitted from H-containing radiators, 22:44572 (ANL-Trans-638)
- KHAM'YAPOV, L. P. Gamma-radiation during thermal neutron capture on chromium and iron isotopes, 25:56683 (FEI-205)
- KHAN, A. A. Air-cleaning operational experience, 23:29134
  - Application of theory of filtration on a specific quality of asbestos, 23:26399 (BARC-351)
  - Economic planning of environmental surveys for power reactors, 25:16165
  - Fabric filtration of flue gases, 23:29130
  - High efficiency air cleaning and filter testing, 23:4763 (BARC-347)
  - Natural radioactivity at Trombay, 22:2222
  - Preoperational search at Tarapur Atomic Power Station site, 23:14182
  - Preoperational search for baseline radioactivity, critical food, and population group at TAPP, 21:20159 (AEET-268)
  - Pulse radiolysis of p-nitrosodimethylaniline in aqueous solution, 23:19777
  - Waste management at Trombay, 25:21367
- KHAN, A. B. Application of isotopes and radiation in rice cultivation, 21:26370
  - Interaction of Fe and Mn uptake of P in rice plants by radioisotope technique, 21:26368
- KHAN, A. H. Akhieser—Pomeranchuk—Blair model analysis of elastic scattering of 24.7-MeV alpha-particles from heavy nuclei, 21:21537
  - Akhieser—Pomeranchuk—Blair model analysis of elastic scattering of particles from nuclei Co, Ni, Mn, Ca, Al, Mg, and Ne, 21:33914
  - Akhieser—Pomeranchuk—Blair model analysis for elastic scattering of deuterons, 22:15989
  - Akhieser—Pomeranchuk—Blair model analysis for elastic scattering of deuterons, 22:29940 (AECD/TP-23)
  - Akhieser—Pomeranchuk—Blair model calculations in elastic scattering of alpha particles from light nuclei, 22:22548
  - Akhieser—Pomeranchuk—Blair model for elastic scattering, 21:34055
  - Akhieser-Pomeranchuk-Blair model analysis for elastic scattering of deuteron, 22:27247
  - Angular distribution of protons from the (d,p) reaction in ^{54}Fe, 21:29920
  - Attempt to sensitize Drosophila chromosomes to x irradiation after 5-bromodeoxyuridine incorporation into DNA, 21:22707
  - Isomer ratios of ^{90}Y and ^{91}Y in the fission of ^{235}U and ^{238}U by protons of energies 20 to 85 MeV, 24:1834
  - Light-mass fission products in fission of ^{235}U and ^{238}U by protons, 24:38254
  - Mutagenic activity of irradiated food constituents, 21:22835
  - Nuclear charge dispersion in fission, 24:47674
  - Optical-model calculations of elastic scattering in light nuclei, 21:4338
  - Photographic emulsion plate camera for gas and solid targets, 21:6267
  - Radiosensitivity studies in sunflower, 25:58148
  - Yields of some light-mass nuclides produced in the proton-induced fission of ^{238}U, 23:4035
- KHAN, A. M. Coulomb effects in the A = 13, 18 mirror β-decays and the second class current problem, 25:50647
  - Fuel, moderator, and reflector temperature and density effects on the effective multiplication factor of a BWR, 23:37467
- KHAN, A. Mannan Transient and steady state heat transfer through spiral fins, 22:21268 (ENGG/HT-1)
- KHAN, A. R. Toller-pole analysis of dip structure in backward $K^-n \rightarrow \Lambda\pi^-$ reaction, 25:41004
- KHAN, A. S. Application of theory of filtration on a specific quality of asbestos, 24:14117 (BARC-414)
  - Phase equilibria in the vanadium—oxygen system, 24:46811
- KHAN, Abdul Aleem Hydromagnetic flow between two rotating coaxial disks, 25:19568
- KHAN, Abdul Aziz Development of virus in larvae exposed to γ rays, 24:2772
- KHAN, Abdul Baten Co-ordinated program on application of isotopes and radiation in rice, cultivation, 1964—65, 21:20018 (AECD/AG-9)
  - Interaction of iron and manganese on the uptake of iron and yield of rice plants, 21:26369
- KHAN, Abdul Hannan Elastic scattering employing nuclear emulsion as detector, 21:39219
- KHAN, Amir Hussain Fission of ^{235}U and ^{238}U with 20 to 85 MeV protons, 23:47012
- KHAN, Chi-yun Isotope exchange of Fe in two phase system solid metal-liquid slag, 22:15136 (ANL-Trans-559)
- KHAN, E. U. 1000-MWe LMFBR accident analysis and safety system design study. Topical report: local core faults, 25:51132 (BAW-1362)
  - Cross-flow resistance and diversion cross-flow mixing between rod bundles, 25:41425
  - Importance of design: safety interactions on rate of fuel failure propagation, 25:54117
  - Pin-to-pin fuel failure propagation in LMFBR, 24:33386
  - Two-phase modeling of sodium by water and freon, 24:31585
- KHAN, F. Separation of metal ions on inorganic ion-exchange papers, 25:41909
- KHAN, F. R. Electron-beam technique and skin reaction of postoperative irradiation of axilla and supraclavicular nodes in breast carcinoma, 24:32138
- KHAN, Fahmida Aqueous solvents for paper chromatographic separation of cations, 21:39012
  - Fast separation of Ti(IV), As(III), W(VI), Au(III) from numerous metal ions and of Fe—Al—Ti by paper chromatography, 22:25257
  - Quantative separation of Ti from numerous metal ions and of Fe, Al, and Ti by paper chromatography, 22:25258
  - Quantitative separation of magnesium and palladium from numerous metal ions on titanium tungstate papers by electrochromatography, 25:54744
  - Separation of Zr(IV) and Th(IV) from each other and from numerous metal ions by aqueous paper chromatography, 21:39007
  - Study of interferences in the spectrophotometric determination of titanium with sulfosalicylic acid, 22:16443
- KHAN, Faiz M. Computer dosimetry of partially blocked fields in cobalt teletherapy, 25:24172
  - Construction of compensators for cobalt teletherapy, 24:36476
  - Dosimetry of irregularly shaped radiation therapy fields. II, 23:33716
  - Dosimetry of irregularly shaped radiation therapy fields. I, 23:33717
  - Inactivation of an x-irradiated tumor by independent processes in vivo, 24:41986
  - Use of electron filter to reduce skin dose in cobalt teletherapy, 25:19082
  - Variable block-surface-distance (BSD) for adjustment of shadow size in mantle therapy, 25:26892
- KHAN, H. A. Annealing of fission tracks in tektites: corrected ages of bediasites, 25:10696
  - Efficiency calibration of a Ge(Li) detector, 23:33396
  - Ivory Coast microtektites, 25:51648
  - Ivory Coast microtektites, 25:57565
  - Low-lying energy levels in ^{72}Ge, 23:15386 (PINSTECH/PHY-14)
  - Semi-automatic scanning of tracks in plastics, 25:37613
- KHAN, H. R. Field—frequency locked NMR spectrometer for Knight shift measurements, 24:14375
- KHAN, Hameed Ahmed Ge(Li) detector used in a pair spectrometer configuration, 23:11819 (PINSTECH/PHY-13)
  - Neutron flux measurements in the experimental facilities of the Pakistan Research Reactor, 22:6097 (PINSTECH/PHY-7)
- KHAN, I. Model-sigma on Gell—Mann and Levy for partially conserved axial vector current, 22:11720
  - Principles of reciprocity and equivalence of monads and their implications, 23:1689
- KHAN, I. Ali Solubility and corrosion behavior of iron, steel, molybdenum, niobium, tantalum, vanadium, tungsten, and chromium in molten lead at high temperatures, 25:11376 (JUL-661-RW)
  - U(C,N) as high-efficiency fuel preparation and irradiation properties, 25:24622 (JUL-703-RW)
- KHAN, Ismail Effect of radiation on ethylene production and ripening of bananas, 24:2851
- KHAN, J. M. Analysis of proton channeling using a static potential model, 21:6983 (UCRL-12311(Rev.1))
  - Channeling and coherent bremsstrahlung effects for relativistic positrons and electrons, 24:37539
  - Characteristic extreme uv emission from channeled positive ions, 22:1363
  - Cross sections for inner-shell vacancy production in ion—atom collisions, 24:32649
  - Measurement of microgram surface densities by observation of proton produced x rays, 21:15222
  - Multiple L-shell vacancy effects in energetic heavy ion collisions, 25:49708
  - Oxygen K-shell x-ray production in thin films of aluminum oxide by 20- to 100-keV protons, 23:30347
  - Oxygen surface-density measurements based on characteristic x-ray production by 100-keV protons, 23:3562
  - Production of carbon characteristic x rays by heavy-ion bombardment, 23:8442
  - Production of carbon K x rays by heavy-ion bombardment, 25:43107
  - Soft x rays from collisions of 1 MeV H_2^+ and 500 keV Ar^+ with carbon, 25:18836
  - Use of characteristic x rays to monitor annealing of ion-implanted diamond, 23:32570
  - X-ray production in C^+—C collisions in energy range 20 keV to 1.5 MeV, 23:46270
  - X-ray production in single crystals by proton bombardment. II, 22:960
  - X-ray spectra from argon—argon collisions, 24:26013
  - X-ray study of proton-induced disorder in Cu_3Au, 21:29385
- KHAN, Jamal Gastric blood flow measurement by Tc clearance, 23:38648
- KHAN, Jhan Prog. rpt. on kilovolt ion sputtering, 8-10/66, 21:18407 (N-67-13184)
  - Prog. rpt. on kilovolt ion sputtering, 11/66—1/67, 21:43748 (N-67-22064)
- KHAN, K. A. Scattering of two impulsive gravitational plane waves, 25:20087
- KHAN, M. Effects of x rays on chromosomes of Nitella flagelliformis br, 22:14990
  - Operating experience with nuclear power stations in member states, 25:36884 (IAEA-127)
- KHAN, M. A. Operating experience, 24:43631
  - Prospects of intermediate-size power reactors, 25:28583
  - Separation of carrier-free ^{105}Rh from neutron-irradiated Ru, 21:4612
  - Use of nuclear energy for water desalination, 23:13563
- KHAN, M. A. A. Unsteady hydromagnetic flow of an electrically conducting incompressible fluid, 23:20753
- KHAN, M. Ali Application of solvent extraction to the refining of precious metals. II, 22:18884
- KHAN, M. Aslam Study of some new absorption bands of SrH and SrD in the ultra-violet region, 23:2283
- KHAN, M. H. Electrodynamics of the Type II superconductors, 23:14721
- KHAN, M. Hussain Civil engineering problems in the conception of the 250 MW(e) heavy water reactor of the SNA, 21:4650
- KHAN, M. M. Taqui Interaction of Th(IV) and U(VI) with adenine, 24:50364 (CONF-690916-(Vol.1), pp 224-32)
  - Kinetics of metal ion and metal chelate catalyzed oxidation of ascorbic acid. IV, 23:40645
- KHAN, M. N. Invariants of $\pi N \rightarrow \pi B$/sub s/, 25:53200
- KHAN, M. N. G. A. Positron lifetime measurements in polypropylene irradiated in different media, 24:31431
  - Study of positron lifetime measurements in teflon under gamma radiation, 23:6175

Transistorised time-to-amplitude converter for positron lifetime measurements in solids, 22:16961
Use of positronium in evaluating polymer properties, 24:1276
KHAN, M. N. G. Azam Positronium chemistry, 23:47579
KHAN, M. P. Evaluation of electrically tested NERVA reactor fuel elements, 25:6141
KHAN, M. Y. Directional correlations γ—γ in decay of ^{192}Ir, 24:6937
KHAN, M. Z. R. High angular momentum resonances in neutron cross sections at low energies, 22:32707
KHAN, M. Z. Rahman Dispersion relation for the equivalent local optical-model potential, 23:37326
KHAN, Md. Zainul Abedin Susceptibility of rice weevil to gamma radiation, 23:6628
KHAN, Mehar Dil Bibliography on desalination, 1950—69, 25:23373 (PAECL/CHEM-118)
KHAN, Mohammad Allahdad Ovicidal effect of gamma radiation on lepidopterous pests, 24:2839
KHAN, Mohammad Yar Decay of ^{192}Ir, 24:18415
KHAN, Mohd Abdul Allem Laminar source flow between two rotating disks in presence of a transverse magnetic field, 24:39920
KHAN, Mohd. Abdul Aleem Unsteady hydromagnetic channel flow, 24:51482
KHAN, Mukhtar Hussain Prestressed concrete pressure vessels for a 250 Mw(e) heavy water moderated and carbon dioxide cooled reactor, 22:1790
KHAN, Munir A. Nuclear power and developing countries, 24:9866
Small and medium power reactors: technical and economic status, potential demand and financing requirements, 25:53953 (A/CONF.49/P-760)
KHAN, N. A. Fast neutron time-of-flight spectrometer, 24:50580
Interaction between closely-spaced indium foils in light water, 23:670
Repair of alkylation and radiation damage in yeast, 25:4480
Sediment study at Karachi by means of radioactive tracers, 25:51606 (A/CONF.49/P-113)
Some properties of the 2.98-MeV level of ^{23}Na, 21:9975
Supersensitive double mutants in yeast, 24:50819
KHAN, Naeem Ahmad Directional correlation of successive gamma-rays in ^{60}Ni, 25:17807
Effects of voids on diffusion length and streaming of neutrons in water, 22:11882
KHAN, P. K. Postradiated ovaries and uteri, 22:51977
KHAN, Q. H. Neutron-diffraction study of Ho_{25}—Dy_{75} and Ho_{50}—Dy_{50} in an external magnetic field, 25:47635
KHAN, R. M. Cherenkov radiation by a point charge moving parallel to the plane interface between two semi-infinite dielectric media, 22:15652
Cherenkov radiation by line charge, 21:35027
Cherenkov radiation due to a moving point charge, 23:25486
Cherenkov radiation in a cylindrical waveguide with elliptic cross section, 22:15651
Cherenkov radiation in a medium of variable dielectric constant, 21:35028
Cherenkov radiation in a semi-infinite dielectric medium with a conducting boundary, 21:44215
Cherenkov radiation in a wave-guide loaded with a moving medium, 24:20036
Cherenkov radiation in dielectric medium with conductivity, 21:44213
Radiation in an anisotropic electron plasma, 24:15319
KHAN, Rafidul Islam Radioisotope measurements of ground water velocities, 24:9518
KHAN, S. A. Field—frequency locked NMR spectrometer for Knight shift measurements, 24:14375
Knight shift in cadmium: field and temperature dependence, 25:25266
Oscillatory field dependence of the Knight shift in a monocrystal of tin, 22:3198
KHAN, S. U. Mutagenic effect of irradiated media on E. coli, 25:42755
KHAN, Saghirun-Nisa Directional correlation of successive gamma-rays in ^{60}Ni, 25:17807
KHAN, Sikandar Enrichment of uranium isotopes by gas centrifugation, 24:44208
KHAN, T. A. Cross section for reaction $^{16}O(\gamma,n_0)^{15}O$ at giant resonance energies, 23:34732
KHAN, T. P. Classical radiation by an electron in uniform circular motion in the form of multipoles, 21:44214
KHAN, Tasadduq Mechanical behavior of alloys $UMo_{1.1}Al_{0.05}Sn_{0.05}$, and Sicral F_1 (adjusted uranium) between 20 and 600°C, 25:55429 (CEA-R-4177)
Mechanical properties at high temperature of $UMo_{1.1}Al_{0.05}Sn_{0.05}$, 24:51163
Phase transformations of $UMo_{1.1}$ alloys, 24:14801
Slipping and gamma intergranular cracking in the alloys $UMo_{1.1}$ and $UMo_{1.1}Al_{0.05}Sn_{0.05}$, 24:14742
KHAN, Tasneem Aijaz Reactions in ^{16}O, 24:10921
KHAN, Y. Structure in system Pt—Zn—Cd, 24:19459
KHAN, Z. A. Attempt to obtain sterility of male rice hispa through gamma radiation, 21:26638
KHAN, Z. H. Dispersion studies of C. pipiens fatigans tagged with ^{32}P in Rangoon, Burma, 22:17003
KHAN, Z. U. Efficiency calibration of a Ge(Li) detector, 23:33396
Low-lying energy levels in ^{73}Ge, 23:15386 (PINSTECH/PHY-14)
Neutron flux enhancement in thru-tube of PARR, 21:40691
Selection of lead for gamma-ray shielding and in-pile collimation, 22:24369 (PINSTECH/PHY-9)
KHAN, Zafarullah Ge(Li) detector used in a pair spectrometer configuration, 23:11819 (PINSTECH/PHY-13)
KHAN, Zainul Abedin Control of insect pests by gamma radiation in East Pakistan, 25:47068 (AECD/RB-12)
Susceptibility of different stages of rice weevil to gamma radiation, 22:10822 (AECD/AG-22)
KHANAEV, E. I. Determination of the heat of formation of uranium tetrafluoride, 23:6102
Infrared spectrometric investigation of dehydration products of UF_4 and PuF_4 crystal hydrates in a current of dehydrated HF, 22:4139
Irreversible heat of transition of anhydrous uranium tetrafluoride, 21:23871
Standard enthalpy of formation of uranium trifluoride, 24:38838
Thermochemical investigation of uranium tetrafluoride crystal hydrates and their dehydration products, 21:21944
KHANAICHENKO, N. K. Distribution of long-lived radionuclides and water circulation in tropical zone of Atlantic Ocean, 24:44148
Dynamics of ^{90}Sr and ^{137}Ce enriched water masses in tropical zone of Atlantic Ocean, 24:11709 (AEC-tr-7128, pp 66-78)
Dynamics of water masses in tropical regions of Atlantic Ocean, enriched in ^{90}Sr and ^{137}Cs, 23:24581 (A-AC.82/G/L-1254, pp 24-44)
Radioecological concentration processes and mass water dynamics in seas and oceans, 23:24582 (NP-17712)
Radioecological processes of accumulation and dynamics of water masses in seas and oceans, 23:24577 (A-AC-82/G/L-1254)
KHANAM, Farkhanda Charge exchange scattering using SU(3) symmetry and Regge poles, 23:5626
KHANAMIRYAN, A. E. Closed orbit of Serpukhov 70-GeV synchrotron, as determined by geodetic surveys of magnet sections, 23:39857 (AERE-Trans-1113)
Deformation of foundation of Serpukhov accelerator and its effect on the shape of the equilibrium orbit, 24:45666
KHANDAKER, A. K. M. Nurannabi Photographic emulsion plate camera for gas and solid targets, 21:6267
KHANDAMIROV, Yu. E. Aspects of radiation safety during planning and operation of channel-type power reactors, 25:34313 (JPRS-53069, pp 96-106)
Radiation safety problems in the design and operation of channel-type power reactors, 25:48227
KHANDEHAR, R. N. Lead-210 (RaD) in human bone at Bombay, India, 25:21553
KHANDEKAR, R. N. Determination of ^{239}Np from fallout samples, 24:14015
KHANDELWAL, G. D. Platinum—graphite electrode system for the biamperometric determination of iodine, 25:57302
KHANDELWAL, G. S. Asymptotic expression for 1s—ns excitation cross section of H atoms by fast protons, 24:3171
Asymptotic expression for cross section for excitation of H atoms by fast protons, 23:5237
Asymptotic expressions for cross sections for excitation of H atoms, 23:18447
Excitation cross sections (1s $\rightarrow$ ns) of H atoms by fast protons, 23:12566
Excitation of H atoms by fast protons, 23:5238
Total cross section for proton excitation of H atoms, 23:3267
X-ray production in L and M subshells, 21:2032
KHANDELWAL, Govind S. Characteristic x-ray production in the atomic K shell, 22:15351
Shell corrections for K- and L-electrons, 22:43867
KHANDELWAL, Govind Sharan Interaction of heavy ions with M-shell electrons, 21:33214
KHANDELWAL, S. C. Disproportionation of Pu(V) in oxalate medium, 23:119
Studies on disproportionation of Pu(V) in oxalate medium, 23:7508
KHANDKAR, Ram N. Statistical analysis of radiation exposure data from personnel film monitoring records, 21:10871 (NP-16447)
KHANDPUR, G. K. Damping of longitudinal plasma oscillations, 25:56238
KHANDURI, N. C. Thermal expansions of thulium and lutetium, 90 to 300°K, 25:32736
KHANDUROVA, I. S. Spatial-temporal variability of cloudiness on Euorpean territory of USSR, 25:8170 (SC-T-70-4040)
KHANGULYAN, V. A. Diagram approach to polarization effects in the stripping and pick up reactions, 25:20533
Energy dependence of polarization of emitted protons from reaction $^3He(d,p)^4He$, 25:33966
Polarization and asymmetry in the $^3He(d,p)^4He$ reaction, 24:38081
KHANH, Nguyen H. Formation of Y/sub 1/* (1665) in reaction $K^-n \rightarrow \Sigma^{-0}\pi^{0-}$, 23:32625
KHAN-MAGOMETOVA, Sh. D. Decrease in photoluminescence of crystals under electron bombardment, 24:21879
Dependence of mean lifetime of excited state and photoluminescence yield of anthracene, 23:16107
Effect of the β radiation of tritium on luminescence and energy transfer in anthracene, 24:51809
KHANNA, F. Projection operator for the spurious centre-of-mass motion, 23:37298
KHANNA, F. C. E2 effective charges from realistic reaction matrices, 24:43137
Effective operators for nuclear shell model. III, 25:36820
Effective operators in nuclear shell model. I, 24:52666
Effective operators in the nuclear shell model. II, 25:10072
High-energy electron scattering and nuclear structure, 25:33969
Nuclear structure of ^{40}Ca and elastic scattering of 750-MeV electrons, 22:22562
Phenomenology of effective operators, 24:43535
KHANNA, Faqir C. Nuclear correlations and inelastic electron scattering on ^{3}He, 21:23409
KHANNA, K. M. Alpha—alpha interaction in ^{40}Co and ^{36}Ar, 22:29942
Alpha-particle model for nuclear matter, 22:11999
Alpha-particle model for nuclear matter, 22:39732
Alpha-particle model for nuclear matter, 25:3738
Critical temperature of transition of nuclear matter, 25:3773
Dilute Bose system of hard spheres, 24:3293
Effective mass of alpha particles in superfluid nuclear matter, 25:3728
Ground-state energies of doubly even nuclei, 25:31427
Nuclear matter calculations with hard-core and long range potentials, 24:15997
Nuclear matter calculations with hard-core and long-range potentials, 25:3772
Phenomenological ^{4}He—^{4}He potential and properties of liquid ^{4}He, 25:3009
Phenomenological alpha—alpha potential and the properties of nuclear matter, 25:50864
Statistical mechanics of a superfluid nuclear matter, 22:5879
Strength of the repulsive interaction in atomic nucleus, 22:5878
KHANNA, M. P. Algebra of currents and ω—phi mixing angle, 21:27362
Are quarks fractionally or integrally charged, 21:2413
KHANNA, Mohinder P. Spectral function sum rules, symmetry breaking, and K*-width, 25:40994
KHANNA, Mohinder Paul Studies on some consequences of algebra of currents and models of elementary particles, 22:3490
KHANNA, P. Phosphorus-32 and water quality, 23:50048
KHANNA, P. P. Spectrographic analysis of high purity Dy_2O_3, for trace amounts of Er, Gd, Ho, Tb, and Y, 25:37264 (BARC-536)
Spectrographic analysis of high purity europium oxide, 25:37262 (BARC-532)
Spectrographic determination of Pb and Te in Bi—Pb and Bi—Te alloys, 25:37263 (BARC-533)
KHANNA, R. K. Infrared studies on glycine and its addition compounds, 21:1359
Infrared studies on some ferroelectric compounds of glycine, 21:1360
KHANNA, S. M. Structure in tunneling density of states of superconducting La, 22:31753
KHANNA, Shadi L. Enamel decalcification by cereals of different geographic origin, 21:26383
KHANONKIND, M. A. Influence of the valence-shell structure on the internal conversion coefficients of γ-radiation and on the electron density near the nucleus, 25:43953 (BNL-tr-427)
Valent shell structure effects on coefficients of internal conversion, 25:31343
KHANSEN, P. G. Decay of ^{140}La and ^{140}Pr, 25:25755
KHANSEVAROV, R. Yu. Annealing of InSb irradiated with x and gamma rays, 22:15635
Damage formation rates in Ge subject to thermal treatment, 21:37565
Effect of thermal defects on radiation stability of germanium, 21:37593
Formation of radiation defects in indium antimonide, 25:7451
Formation of structure defects during low-temperature irradiation of indium antimonide with x rays, 21:31484
Influence of thermal defects on radiation stability of Ge, 21:45972
Low-temperature γ irradiation and annealing of indium antimonide, 21:4982
Nature of damages in In antimonide produced by γ and x irradiation, 21:37566
KHANSON, K. P. Activation of lysine under action of lysyl-tRNA synthetase from livers of rats subjected to whole-body x irradiation, 25:44766
DNA content in liver mitochondria during regeneration and whole body x-irradiation, 23:22235
Effect of x-irradiation on protein synthesizing system, 24:14432
Effects of ionizing radiation on DNA biosynthesis in regenerating rat liver, 25:44771
KHANTADZE, A. G. Dispersion of magnetohydrodynamic waves in the ionosphere, 24:21670
Dynamics of winds in the ionosphere, 23:10545
Horizontal wind system in the ionosphere in presence of vertical velocities, 25:22451
Non-stationary generalized Ohm's law for weakly ionized gas, 23:18664
Theory of periodic wind currents in the lower ionosphere, 25:2991
Turbulence in a conductive atmosphere, 23:20793
Two-dimensional nonstationary wind field in ionosphere, 23:51527
KHANYKOVA, O, K. Distribution of ^{32}P-zirconyl colloidal phosphate in the tissue and its influence of hematopoiesis, 21:3380
KHANZHINA, E. I. Calculation of magnetohydrodynamic flow in a duct with sectionalized electrodes, 21:20808
KHAO, Yu. Change in the cellular populations of the bone marrow of mice after single and repeated irradiation, 25:11279
Use of electronic particle counter to investigate cell populations of bone marrow after irradiation, 25:29648
KHAPACHEV, A. G. Ionizing particle effects on photographic solarization, 23:4819
KHAPAEV, A. M. Electromagnetic radiation of neutral Fermi particles moving in external fields, 21:42320
Electron motion in field of plane electromagnetic waves, 21:43761
Radiation of a relativistic charge in a plane wave electromagnetic field, 24:42847
Relativistic charge radiation in electromagnetic field of the planar wave, 22:5688
Study of relativistic rotator, 22:15718
KHAPAEV, M. M. Charged particle motion in a helical magnetic field, 21:5440
Non-linear theory of motion of fast charged particles in helical toroidal magnetic fields, 21:16899
Strong focusing by a corrugated magnetic field, 21:7610
KHARABADZE, N. E. Investigation of trace quantities of atoms of certain heavy metals in DNA and RNA by method of activation analysis, 23:49763

KHARADLY, M. Z. Improved microwave refraction technique for measuring electron-density distribution in a transient plasma column, 22:11420
KHARADZE, E. K. Spectrum of RW Aur, 22:43804
KHARADZE, G. A. Neutron scattering on conduction electrons in a quantizing magnetic field, 21:42203
KHARADZE, R. A. Temperature dependence of the pitch of the magnetic helix in rare-earth metals, 23:51791
KHARAIDZE, P. V. Adsorption of long-lived radioactive fission products of U by natural adsorbents. I, 21:12513
KHARAKHAN, M. L. Analytical properties of the exactly soluble nonrelativistic two channel scattering problem, 24:21976 (ITF-70-5)
  Analytical properties of the exactly solvable nonrelativistic two-channel scattering problem, 25:9772
  Connection of field matrix element with phases of two-channel S-wave scattering, 25:5436
  Connection of kinematical cut with S-matrix on mass shell for two channel scattering, 24:20246 (ITF-69-83)
  Jost function for the two channel scattering problem, 24:10850 (ITF-69-65)
  Non S-matrix experiments, 22:26576 (JINR-P2-3590, pp 170-82)
KHARAMONENKO, S. S. Investigation of the radiolysis of high-polymer glucose, 22:14535
KHARATIAN, S. G. Some property of quantum fields as operator-valued distributions, 23:13121 (JINR-E2-4166)
KHARAT'YAN, I. G. Absorption of uranium and its decay products by Mycococci, 24:31818
  Action of U on the biosynthesis of amino acids by microorganisms of Mycococcus genus, 24:48411
KHARATYAN, S. G. Hypothesis of commutative superselection rules, 22:34868 (JINR-E2-3799)
  Physically nonrealizable vectors and superselection rules, 23:36865
KHARBANDA, J. L. Physico-chemical methods of decontamination, 21:43434
KHARBEDIYA, L. I. Decay and the Veneziano model, 24:13062
KHARCHENKO, F. Detailed structure of beam—plasma instability, 24:37474
KHARCHENKO, G. K. Diffusion welding of heterogeneous metals, 23:51023
KHARCHENKO, I. F. Analysis of energy distribution of electrons moving along curvilinear trajectories, 25:25273
  Distribution function of an electron beam in a beam—plasma discharge, 24:37464
  High current linear induction accelerator, 21:17246
  Investigation of plasma microwave radiation in process of beam instability development, 22:29530
  Statistical analysis of oscillations excited in a plasma—beam system, 25:9535
  Statistical characteristics of high frequency oscillations excited at the onset of beamplasma instability, 22:52794
  Structure of two-stream oscillations excited by an electron beam in a plasma, 24:47288
  Transformation of the distribution function of an electron beam during cyclotron interaction with a plasma, 25:3080
KHARCHENKO, L. A. Cesium-137 in lichen-reindeer man in the extreme north of the USSR, 1962—68, 25:11037 (NP-18381)
  Cesium-137 in the lichen-reindeer-man chain in USSR, 25:39852 (AEC-tr-7232, pp 27-44)
KHARCHENKO, L. Yu. Solid solutions in system $LiNd(WO_4)_2$—$Nd_2(WO_4)_3$ and polymorphic transformations in triclinic modification $LiNd(WO_4)_2$, 23:10290
KHARCHENKO, S. K. Effect of tri-n-butyl phosphate and n-octanol on thermodynamic activity of di-n-butylphosphoric acid in benzene and n-heptane, 21:32257
KHARCHENKO, V. A. Effect of electron and γ irradiation on VK-2 and VK-4 type "variconds", 21:37554
  Effect of radiation on electrophysical properties of Ba titanate, 23:3555 (JPRS-45638)
  Measuring the slow neutron flux by means of the Hall effect in Si, 24:46489
  Radiation effects on electrophysical properties of barium titanate and materials with its base, 22:18845
KHARCHENKO, V. F. Binding energy of triton and n-d scattering lengths with separable potentials, 22:5758
  Bound state of two and three nucleons in nuclear matter, 22:35398
  Calculation of binding energy and wave function of ^{3}He by harmonic polynomial method, 25:20249 (ITF-70-51-E)
  Calculation of tensor forces in the three-nucleon problem, 21:2768
  Elastic neutron—deuteron scattering with polarized particles, 21:10107
  Hilbert—Schmidt expansion and solution of Faddeev equations with square-well potential, 24:26445 (ITF-69-91)
  Hilbert—Schmidt expansion and solution of Faddeev's equations, 25:25411
  Method of separable expansion of two-particle t-matrix and three-body problem, 23:30763 (ITF-69-8)
  Related states and scattering in a three-particle system, 25:45818
  Separable expansion of the two-particle t-matrix and the three-nucleon problem, 24:52117
  Solution of three-particle integral equations by the separable expansion method, 24:32975 (ITF-70-22)
  Spin—spin and spin—orbit interactions in the nuclear optical model, 23:40131
  The separable representation of the two-particle t-matrix and the three-nucleon problem, 23:15353
  Three-body problem with potential of rectangular form (shape), 23:30764 (ITF-69-19)
  Three-nucleon problem with repulsive-core potentials, 25:33764 (ITF-70-92-E)
  Three-nucleon problem with the square-well potential, 24:3973
  Treatment of the three-nucleon problem based on the separable expansion of the two-particle t-matrix, 24:3972
  Triton binding energy and neutron—deuteron scattering lengths for potentials with separable variables, 22:1590
  Triton binding energy and the neutron—deuteron scattering lengths, 21:44744 (ZFK-122, pp 119-25)
KHARCHENKO, V. K. Investigation of strength properties of Ni_3Al—Ni_3Nb alloys at high temperatures, 23:48445
  Structure and properties of molybdenum disilicide at high temperature, 24:27893
KHARDZHOSUKANTO, S. Determination of vapor pressure of liquid metallic gallium, 24:8115
KHARE, A. V. Algebra of pion sources, 24:45535
KHARE, Avinash V. Scattering lengths (π—π) from a class of nonlinear Lagrangian models, 24:49458 (SINP-TH-69-4)
  Strong-interaction dynamics based on a class of nonlinear Lagrangian models, 25:36481
KHARE, D. C. Solutions of Einstein's unified field equations of gravitation and electromagnetism, 24:5344
  Wave solution of generalized Maxwell's field equations, 23:36995
  Wave solutions of gauge invariant generalization of field theories with asymmetric fundamental tensor at V_2 x V_2 space—time, 24:40477
  Wave solutions of Schroedinger's unified field theory in V_2 x V_2 space—time, 24:40480
KHARE, L. R. Method for the study of angular and energy distribution of fission fragments, 22:32624
KHARE, M. Annealing in gamma-irradiated calcium bromate, 21:17659
  Annealing of chemical radiation damage in potassium bromate by compression, 21:45165
  Role of dehydration and rehydration in the annealing of chemical radiation damage, 23:251
KHARE, Mohan Energy transfer in alkali halide matrices, 25:4096
KHARE, S. P. 5577/3914 A intensity ratio in auroras, 22:17535
  Angular distribution of electrons elastically scattered by helium atoms, 23:32167
  Differential cross sections for the elastic scattering of electrons by helium atoms, 25:24902
  Elastic scattering of electrons by helium atoms, 24:32640
  Energy spectrum of secondary electrons and fluorescent efficiency of electrons in 3914-A band, 23:41951
  Excitation of hydrogen molecule by electron impact. III, 21:28985
  Excitation of hydrogen molecules by electron impact. II, 21:7020
  Mean energy expended per ion pair by electrons in atmospheric gases, 24:45026
  Total ionization cross sections of He, N_2, H_2, and O_2 due to electron impact, 24:45038
KHAREBAVA, L. A. Some data on the influence of hypothermia on the radioresistance of animals, 25:46887
KHARGA, K. Problem of fuel burnup in VVR-S I.A.F. reactor during loading, 21:12244
KHARIN, D. A. Seismics and craters formed by explosions in underground blasts, 24:25155 (UCRL-Trans-10441)
KHARIN, V. P. Angular spectra of neutrons in ternary fission of ^{235}U, 21:25536
  Bremsstrahlung yield as function of target thickness and atomic number in electron energy range 12 to 22 MeV, 25:59106
  Dependence of buildup factor on the position of shielding between bremsstrahlung source and detector, 25:56280
  Formation of uniform dose fields by equilizing targets, 24:38030
KHARISOV, I. F. Excitation of spontaneously fissioning isomeric states of ^{239}Pu and ^{243}Am at inelastic γ-quantum scattering, 25:56738 (JINR-P15-5959)
  Nuclear reactions (n,2n) and (n,γ) resulting in isomeric state of ^{93}Mo, 25:25778
  Properties of spontaneously fissionable isomer ^{244}Cf, 22:16010 (JINR-P7-3673)
  Properties of spontaneously fissioning isomeric ^{244}Cf, 23:11032
KHARITONENKO, Yu. P. Self-tuning the frequency of the resonant system of a cyclotron, 23:17031
KHARITONENKOV, I. G. Effect of small water concentration on free radicals in normal and irradiated lyophilized tissues of warm-blooded animals, 22:28369
  High-temperature changes of EPR spectra of γ-irradiated amino acids, 22:28365
KHARITONOV, A. V. Absolute spectral energy distribution for 14 bright Pleiades stars, 22:7102
  Absolute spectral energy distribution for 18 type B5—M2 stars, 22:13117
  Interaction of uranium dicarbide with liquid easily meltable metals, 22:52270
  Mean absolute energy distribution in solar spectrum, 23:16608
KHARITONOV, F. Ya. Corrosion of insulation ceramic materials in high-temperature coolants, 21:22901
  Corrosion tests on refractory and ceramic materials in metallic Na at 850°C, 25:49500
  Insulating materials for operating in a thermal neutron flux, 22:776
KHARITONOV, N. P. Testing of organosilicate press-material in reactor, 25:13330
KHARITONOV, S. E. Massive-use spectrometric scintillation apparatus for radioactive logging of boreholes in ore deposits, 23:29240
  Spectrometric scintillation equipment of commercial application for radioactive logging of boreholes in ore deposits, 25:18814 (CSIRO-Trans-9992)
KHARITONOV, V. I. Combined solubility of tungsten and boron in molybdenum, 23:10219
  Concerning the combined solid-state solubility of tungsten and boron in molybdenum, 23:10227
  Investigation of system Mo—W—B, 23:48561
  Solubility of boron in Mo—W solid solution, 25:49445
KHARITONOV, V. M. High-voltage multichannel pulse generator, 25:32299 (CERN-Trans-71-6)
  Projector for photograph survey and measurements, 21:19925
KHARITONOV, Yu. I. Centrifugal terms in residual interaction of particles in nucleus, 25:15168
  Properties of three and more particle states with large spin, 24:30950
  Properties of certain multiparticle states with large spins, 25:56783
  Residual interaction in atomic nuclei, 23:19362
  Residual interaction in nuclei, 23:15514
  Residual interaction in nucleus, 23:13326
  Spin orbital interaction in nuclei, 24:8940
  Spin—orbit interaction in nuclei, 23:21402
  Tensor forces in pair interactions, 21:44801
  Tensor forces in the residual interaction between particles in nuclei, 21:44781
  Three-particle isomeric states with small spin, 21:25550
KHARITONOV, Yu. N. Barkhausen effect in ferroelectrics during continuous x irradiation, 25:11978
KHARITONOV, Yu. P. Investigation of α decay of isotopes of element 105, 25:28350 (KFK-tr-350)
  Potential identification of products of heavy-ion-induced nuclear reactions, 25:20419
  Si(Li)-detectors and preamplifier for high resolution spectrometry, 22:19134 (JINR-P13-3718)
  Study of α decay of 105 element isotopes, 25:34135
  Synthesis of 102 isotopes with mass numbers 254, 253, and 252, 21:1074 (JINR-P-2839)
  Synthesis of isotopes of element 102 with mass numbers 254, 253, and 252, 21:30017
KHARITONOV, Yu. Ya. Infrared absorption spectra of thorium disulfite and its thermal decomposition products, 21:25851
  Investigation of certain carbonate complexes of thorium by the method of infrared-spectroscopy, 24:16496
  Investigation of potassium pentafluorouranylate by infrared spectroscopy, 23:31354
  Theoretical analysis of oscillations of uranyl complexes of UO_2X_4 type with tetragonal base in equatorial plane, 21:25855
  Theoretical analysis of the oscillation of uranyl complexes with four dissimilar ligands in equatorial planes, 21:25856
  Theoretical and experimental studies of ir absorption spectra of complex uranyl compounds with a tetragonal basis in the equatorial plane, 22:2042
KHARITONOVA, K. S. Development of electromagnetic showers in lead, 22:21920
KHARITONOVA, L. V. Effect of radiation on secretion of ACTH, 22:36393
  Influence of radiation on process of secretion of ACTH from anterior pituitary into the blood, 23:29363
KHARITONOVA, O. K. Efficiency of radiation cross linking of polyolefins, 23:11577
KHARITONOVA, T. N. Coextraction of arsenic with molybdenum, 25:21133
KHARITONOVA, V. N. Autoionization levels of atoms and ions having from three to five electrons, 24:26023
  Energy of the excited states of helium, 22:50046
  Fine structure of terms for a sequence of states of light atoms, 25:14051
  Oscillator strengths for the excited states of helium-like systems, 24:42537
KHARITONOVA, Zh. F. Internal friction in region $\alpha \rightarrow \beta$ transformations of Zr, 24:14807
  Variation in dislocational structure and recrystallization rate during repeated α reversible β transformations in Zr, 25:40052
KHARIZANOV, Yu. Plasma cluster in dc arcs with applied inhomogeneous magnetic fields, 25:11905
KHARKAR, D. P. Cosmic ray produced ^{28}Mg, ^{31}Si, ^{38}S, ^{38}Cl, /sup 34m/Cl, and other short lived radioisotopes in wet precipitation, 21:6058
  Cosmogenic ^{10}Be and ^{26}Al in marine sediments, 22:47093
  Neutron activation analysis of milligram quantities of lunar rocks and soils, 24:20734
  Uranium—helium method of dating fossil bones, 24:25114
KHARKEVICH, A. E. Organization of the first aid and rehabilitation of utilities in nuclear attack, 24:20940
KHARKEVICH, G. I. Circular polarization of γ quanta from ^{181}Ta, 21:15586
  Investigation of parity nonconservation in the reaction $n + p \rightarrow d + \gamma$, 24:30443
  Nonconservation of P parity in γ decay of ^{41}K, 23:46939 (BNL-tr-283)
KHARKEVITCH, G. I. Experimental evidence of P-parity non-conservation in nuclear forces, 22:27382
  Parity non-conservation in gamma decay of ^{181}Ta, 21:38346
KHARKEVITSCH, G. I. Circular polarization of ^{181}Ta γ quanta, 23:44904
KHARKEVITSH, G. I. Parity nonconservation in γ-decay of ^{41}K, 24:1796
KHARKHARDIN, E. D. Fusion point systems ZrC—HfC, TaC—ZrC, TaC—HfC, 21:14890
KHARKOV, A. A. Gravitational collapse of slightly nonspherical masses, 24:35038
  Wave fields in outer space during gravitational collapse, 24:48980
KHARKOV, O. N. Distribution of O in oxide films by means of $^{18}O(p,\gamma)^{19}F$, 24:16472
  Use of reaction $^{18}O(p,\alpha)^{15}N$ to study oxidation of metals, 25:55384
KHARLAMOV, A. G. Loop for radiation study of electrical conductivity of materials in the VVR reactor, 25:28765
KHARLAMOV, C. P. Angular and energy dependance of effective cross section for photo production of mesons π^+ on protons, 23:30693 (CERN-Trans-68-18)

KHARLAMOV, S. P. Angular dependence of the cross section for photoproduction of charged pions on nucleons, 21:44249
  Approximation for angular and energy dependence of π^+-photoproduction cross sections on protons in the near-threshold energy region, 22:39342
  Differential cross sections of π^+ meson-photo-production on protons in 165 to 230 MeV photon energy region, 22:32043
  Near-threshold photoproduction of charged pions, 24:28472
  Phenomenological analysis of photoproduction of charged pions on nucleons in the near-threshold energy region, 23:14938
  Phenomenological analysis of photoproduction of charged pions on nucleons in range of energies near threshold, 24:8581 (CERN-Trans-68-14)
  Photoproduction of mesons (π^+) on protons near the threshold, 21:7450
  Total cross sections of charged pion photoproduction on nucleons near threshold, 23:30729
KHARLAMOV, V. T. Effect of radiation on immunity to Newcastle disease, 24:34156
KHARLAMOV, Yu. S. Gamma radiation effects on ordering processes in Ni—Fe alloys, 23:22609
  Irradiation effects on magnetic properties in order—disorder alloy Ni_3Fe, 22:26523
KHARLAMOVA, L. A. Changes in the size of colonies on the spleen, formed from irradiated and incubated bone marrow cells, 24:50782
  Postradiation changes of mouse and rat bone marrow cells during incubation in vitro, 22:51949
KHARLAMPOVICH, S. I. Determination of the content of stable iodine in the thyroid gland by the method of activation of supercadmium neutrons without destruction of the sample, 22:49270
  Effectiveness of combined chemical and x ray therapy in experiments, 21:28537
  Electron microscopic changes in the thyroid gland in local irradiation, 21:28610
KHARLASHKINA, N. R. Activity of cholinesterase in subcellular fractions of the brain during x irradiation, 22:51375
KHARLOMOVA, L. A. Radiobiological responses of single-celled organisms, 25:44978
KHARLOVA, R. P. Effects of temperature on resistance to deformation of nickel—molybdenum and nickel—tungsten alloys, 24:51169
KHARNOVETSKH, K. Differential recombination chamber, 21:17818 (INR-739/XIX/D)
KHAR'ONO, A. B. Kinetics of concentration of labeled mother substances during irradiation of organic compounds by ion fluxes, 24:38948
KHARTSYZOV, A. D. Atomic-absorption analysis of radioactive preparations of zinc and cadmium, 23:35018
KHARUS, R. L. Gamma-spectrometric measurements in copper ore boreholes, 24:7517
KHAR'YUZOV, R. V. Correlation of microtron resonator with the wave-guide track, 24:15741
  Electrical strength of accelerating resonator of high-current microtron, 23:17019 (JINR-P9-4206)
  Matching of microtron resonator with waveguide, 22:9717 (JINR-P9-3567)
  Vhf waveguide structure of 30-MeV microtron, 21:46626
KHASABOVA, V. A. Correlation of electrophysiological and conditioned-reflex characteristics during radiation sickness, 24:48688
  Higher nervous activity of Rhesus monkeys induced by total gamma irradiation, 23:2950
  State of the cholino- and adrenoreactive systems of the monkey brain during radiation sickness, 24:27691
KHASAN, M. A. System for automatic startup and power regulation of research reactors, 25:60169
KHASAN, M. Z. Determination of lanthanides by substitution of readily polarographed metals, 21:27915
  Polarographic properties of lanthanides, 22:2078
KHASANOV, A. S. Radioactivation determination of Se, Te, and Au in natural waters, 25:57370
KHASANOV, F. M. Measurement of harmonic components of fields of standard magnetic quadrupole lenses, 25:20164
KHASAWNEH, F. E. Investigations of Ca—Sr adsorption selectivity in clays and soils, 21:8745 (COO-1495-1)
  Soil properties influencing differential Ca to Sr adsorption, 22:27901
KHASGIWALE, K. A. Cadmium determination in thorium nitrate by linear chronoamperometry with anodic redissolution, 21:5781
  Determination of Cd in thorium nitrate by chronoamperometry, 22:33218
KHASGIWALE, K. H. Determination of cadmium in thorium nitrate by linear chronoamperometry with anodic redissolving, 22:33265
KHASHIM-AKHMED, M. C. Lethal mutations induced in spermatogenesis of Drosophila, 22:31032
KHASHIMOV, N. M. Electron emission from molybdenum and platinum during bombardment by negative chlorine ions, 23:20665
KHASIN, A. V. Isotopic exchange of oxygen on silver—gold alloy layers, 24:29264
KHASMAN, E. L. Restorative action of endotoxin in radiation sickness, 21:34721
KHASTGIR, S. R. Double-peak distribution of amplitude of radio wave returned from sporadic E layer, 22:36826
KHATALAKH, R. F. EP404 and EP454 economical heat-resistant alloys, 23:8192
  Properties and structure of heat-resistant nickel alloys in cast state, 22:2637
KHATAMI, A. I. Effect of substituents on hydrogen exchange reaction of some ferrocene derivatives, 25:4069
KHATAMOV, D. R. Radiation phenomena in aluminum oxide, 24:10198
KHATAMOV, Sh. Radiation-based determination of copper in natural waters, 24:13794
  Topographical distribution of impurities in crystalline quartz by a radioactivation method, 25:44348
KHATRI, A. A. Radiosensitivity of conidiospores, 23:16268
  Radiosensitivity of conidiospores to thermal neutrons and isolation of mutants of T. glaucum, 25:6678
  Studies in Trichoderma glaucum with special reference to the effects of thermal neutrons, gamma, and ultraviolet radiation, 25:27088
KHATRI, L. L. Gas chromatographic and mass spectral identification of some volatile components of gamma-irradiated milk fat, 21:6745
KHATSKEVICH, M. M. Preparation of silicides of Ti, Nb, and Ta by hydrogen reduction of chlorides, 24:27750
KHATTAB, M. Cooling of a simulated fuel element by a flow of naturally circulated boiling water, 25:37009 (UARAEE-110)
KHATTAB, M. S. Experimental loop for two phase heat transfer investigations, 25:34793 (UARAEE-81)
KHATTAK, M. N. Crystal structures of dimers of uracil and 6-methyluracil, 24:16373 (NYO-2798-51)
  Gamma-irradiation of nucleic-acid constituents in deaerated aqueous solutions. II, 21:20059
  Gamma-irradiation of nucleic-acid constituents in deaerated aqueous solutions. I, 21:20058
  Gamma-irradiation of nucleic-acid constituents in solutions. III, 22:458
  Uracil photoproducts from uracil irradiated in ice, 23:20084
KHATTAK, Mohammad Akram Ion exchange chromatography of Fe, Mo, and Ti, 22:48908
KHATUN, H. Nuclear interactions produced by 17 GeV negative pions, 21:2374
KHATUN, L. Nuclear interactions produced by 17 GeV negative pions, 21:2374
KHATUN, S. Design and construction of a cold trap, 23:19100
  Measurements on gamma ray shape calibration and peak-to-total ratio for a 5" x 6" NaI(Tl) scintillation detector, 25:44661 (AECD/EP-19)
  Shape calibration and peak-to-total ratio measurements of 5" x 6" NaI(Tl) scintillation detector, 25:34936
KHAUSTOVICH, G. P. Critical aperture in plasma diagnostics by the scattering method, 22:46127
  Determination of parameters of dense plasma, 24:6525
  Effect of aperture on plasma parameters, 25:9415
  Influence of the aperture on plasma parameters during diagnostics by method of scattering, 25:1181
  Spectrum of laser emission scattering by plasma at atmospheric pressure, 23:12777
KHAUTIEV, E. Yu. Plasma heating and stability in a combined pinch, 25:38332 (CONF-710607-13)
  Plasma losses in high-current plasma configurations due to the inverse skin effects, 25:58967
KHAU VAN KIEN, L. Autohistoradiographic investigation of root exudation in soil after foliar uptake of ^{32}P, 21:41345
KHAU-VAN-KIEN, Louis Apparatus for the deposition of a sensitive emulsion for autoradiographs, 22:19179
KHAVAEV, A. A. Radiosensitizing effect of ferrous ions, 25:29556
KHAVASTUNOV, V. M. Elastic scattering of electrons by nickel and tin isotopes, 23:17086
KHAVKIN, L. P. Wide-range reliable radioisotope ionization manometer, 22:6664
KHAVKIN, V. S. Moderation of resonance neutrons in matter. I, 24:43098
  Moderation of resonance neutrons in matter. II, 24:43099
KHAYATOV, M. R. Depolarization in 612 MeV elastic pn-scattering, 25:36390 (JINR-P1-5743)
KHAYKIN, N. Sh. Setup for measuring sensitivity—frequency characteristics of photodetectors, 21:3274
KHAYYOOM, A. Effective atomic numbers for photoelectric and incoherent scattering processes of gamma rays, 25:46059
  Effective atomic numbers in alloys for incoherent scattering of gamma rays, 25:40733
  Structure of the 57- and 351 keV states ^{143}Pr, 25:50785
KHAZAN, S. M. Ionization of gases by fast N^+ and N^{2+} ions, 23:22936
KHAZANOV, B. I. Design of nuclear instruments, 25:23805
  Radiation measurements in space, 22:49093
KHAZARADZE, N. G. Method for measuring the total number of particles and the coordinate axis point of wide atmospheric shower, 21:10612
KHAZEN, A. M. Thermoanemometer—Langmuir probe for plasma diagnostics, 24:26156
KHAZEN, I. M. Biomedical problems of space flight, 25:8755 (JPRS-51660)
KHAZIN, L. G. Theory of non-linear oscillations of electron plasma, 21:29261
KHAZINS, D. M. Comparison of life-times of the charged pions, 23:27750
  Comparison of the life-times of the charged pions, 22:41742 (JINR-P1-3862)
  Multifilament proportional counter for selecting stopped particles in a thin gas target, 21:39253
  Nanosecond time-of-flight spectrometer, 23:16200
  Search for new type of radioactivity in aluminum and tungsten targets irradiated by 70-GeV protons, 25:14541 (JINR-P1-5399)
  Spectrum of fast deuterons emitted in interaction of 670-MeV protons with C nuclei, 24:28479 (JINR-P1-4985)
  Spectrum of fast deuterons emitted in 670-MeV proton interaction with carbon nuclei, 25:31225
  Streamer chamber for registration of stopping of slow mesons, controlled with proportional counter, 22:6648
  Streamer chamber triggered by a proportional counter designed to register stopping mesons, 21:16112 (CONF-660918-, pp 82-4)
  Streamer chamber triggered by proportional counters, 21:8580 (JINR-P13-2998)
  Time-of-flight method in high-energy physics, 24:4485
  Time-of-flight spectrometer of nanosecond range, 22:2394 (JINR-P13-3549)
KHAZOV, N. P. Investigation of the structure and properties of molybdenum—niobium alloy single crystal, 21:20506
KHAZOV, P. D. Radiosensitivity and diagnosis of metastases into lungs and lymph nodes, 25:55300
KHAZRAGUI, A. M. Effect of pitch variation on nuclear properties of light water assemblies using EK-10 fuel rods, 25:37121 (UARAEE-70)
KHEBTOV, I. A. Amplifier for superconducting bolometer, 23:33556
KHEDEKAR, A. V. Nature of bonding in uranyl ion. I, 25:23592
  Nature of bonding in uranyl ion. II, 25:23589
KHEGAI, I. K. Study of the titanium—zirconium—niobium system, 25:55564
KHEIFETS, L. I. Calculation of efficiency of spherical β-radiation source, 23:6259 (BNL-tr-239)
KHEIFETS, M. I. Determination of the phase volume of a storage ring or a cyclic accelerator by injection of particles through foils, 21:46628
  Electrostatic oscillations in bounded dielectrics, semiconductors, and plasmas, 21:5278
  Measuring Q of superconducting resonators with traveling-wave tube, 25:45429 (UCRL-Trans-1437)
  Problem of atomization of liquid by high-velocity gas stream, 25:15418 (ANL-Trans-871)
KHEIFETS, S. A. Coupling on line and logic for the exchange of information between the measuring projector for the treatment of the track chamber photographs and the computer, 21:19917
  Influence of the damping of the oscillations on the transverse dissipative instability, 21:31677
  Instability of the motion of particles in a synchrotron for high frequencies of the accelerating field, 25:9934
  Instability of the motion of the particles in a synchrotron with strong focusing at high frequencies of the accelerating field, 25:22931
  Longitudinal motion of particles in the electron synchrotron at first few revolutions, 21:29754
  Measurement of the high-frequency structure of the beam of an electron synchrotron, 25:22925
  Noncontinual acceleration effect in synchrotron, 23:27913
  Present state of the physics and technology of acceleration, 25:17630
KHEIFETS, V. L. Coextraction of arsenic with molybdenum, 25:21133
KHEIFETS, Yu. B. Dependence of functional activity of leukocytes upon their glycogen level in normal and irradiated guinea-pigs, 23:10086
  Effect of adrenalin on certain aspects of carbohydrate metabolism in irradiated body, 23:9871
  Radiation effects on osmotic stability of leukocytes, 22:47573
KHELASHVILI, A. A. Completeness condition in potential scattering theory, 21:970 (JINR-P-2869)
  Equations for scattering amplitudes in quantum mechanics three-body problem, 21:37625 (JINR-P2-3371)
  Normalization condition for the equal-time wave function of two-particle bound state, 24:10694
KHENNIG, K. Possibilities of applying the Moessbauer effect in physical investigations at superlow temperatures, 22:9423 (JINR-P14-3608)
KHENOKH, M. A. Influence of ultraviolet light on frozen aqueous solutions of uracil, adenine, and their nucleosides, 23:2800
  Photosensitizing effect of cations on amino acids and peptides, 24:593
KHENTIGAN, Archie Rapid scintiphotographic placental localizations utilizing free /sup 99m/Tc pertechnetate, 22:38359
  Rapid sequential cranial scintiphotography, 22:51806
KHER, V. G. Effect of irradiation on the current pulses in a low-frequency electrodeless argon discharge, 25:9449
KHERA, A. K. Comparative study on Al determination in ammonium acetate soil extracts by spectrophotometry, activation analysis, and atomic absorption, 25:29020
  Rapid determination of Al, Mn, and Na in soils by neutron activation analysis, 25:10909
KHERA, G. D. Absolute standardization of ^{60}Co, 25:50712
  Absolute standardization of ^{60}Co at BARC for international intercomparison, 23:47710 (BARC-395)
  Coincidence technique ($4\pi\ \beta—\gamma$) for the standardization of radionuclides at AEET, 22:6618
  International intercomparison of $^{90}Sr—^{90}Y$, 22:6545
KHERAK, R. Interaction of samarium and strontium oxides, 25:19284
KHERFORT, L. Use of atomic energy in East Germany, 24:43634
KHERRMAN, E. Investigation of ^{141}Pm levels by delayed coincidences and the angular $\gamma—\gamma$ correlation method, 25:25713 (JINR-P6-5517)
KHERRMANN, E. Use of extraction chromatography for improving yttrium analysis sensitivity to rare earth impurities, 21:38879
KHERRMANN, I. Compton effect and induced Compton effect in constant electromagnetic field, 25:59368
  One-photon transition from the metastable level of the hydrogen atom considering spin states, 24:51401
  Radiation from electrons in the field of two electromagnetic waves, 25:25269
KHESED, E. A. Linear proton accelerator I-2. II, 22:32404
  Linear proton accelerator I-2. IX, 22:32399
KHESINA, A. Ya. Stability of cancerogenic substances in water and the efficacy of methods of its decontamination, 25:46511
KHETEEV, M. V. Investigation of buildup region for γ-radiation from low-level sources, 25:59120
KHETRAPAL, C. L. Isotopic effects and determination of quadrupole coupling constant from NMR spectra of monodeuterobenzene in a nematic phase, 24:38845

  NMR spectra of partially deuterated acetonitrile, 24:13867
KHETSURIANI, Ts. S. Observation of proton flare of September 2, 1966, 25:33117
  Polarization measurement of CaI lambda4227 radiation from a solar prominence, 24:25905
KHETTSKHEIM, Kh. Pseudopotential for quasi-classical plasma, 22:44178
KHEYLO, E. S. Catalog of photographic magnitudes of comparison stars in globular cluster M92, 21:41710 (NASA-TT-F-455, pp 97-102)
  Variable stars in globular cluster M92, 21:41711 (NASA-TT-F-455, pp 103-12)
KHIBNER, I. Conference on studies of reprocessing of irradiated fuel, Karlovy-Vary, Czech., 2—3/68, 23:38040
KHIDEKEL, M. L. Superconductivity and dielectric constant of highly conductive complexes of TCQM, 25:1104
KHIDESHELI, G. I. Low-temperature radiolysis of aliphatic sulfides, 24:27112
  Mass-spectrometric investigation of low-temperature radiolysis of organic sulfides, 25:8290
KHIET, Tu Non-linear instabilities in an inhomogeneous plasma, 23:32450
  Nonlinear effects in a plasma stabilized by the cutting of the lines of the magnetic field, 22:26361
  Nonlinear instabilities in inhomogeneous plasma, 23:16830 (CEA-CONF-1008)
KHIET, Vu Thanh Gravitational instability in an inhomogeneous cosmological model, 25:30241
  Investigation of the sign of the energy of horizontal gravitational waves, 21:11723
  Relative energy of the plane gravitational waves, 21:18857
KHIET, Vu Tkhan Local energy of weak gravitation waves, 21:44224
KHIL, Sh. V. Electric field in toroidal metallic chamber with sections, 25:1236 (NP-18505)
  Influence of high-frequency potential of a toroidal electric field on the trapping of charged particles in a closed magnetic trap, 25:58976
  Studies of diffusion of dense decaying plasma in a stellarator, 25:1163 (NP-18502)
  Studies of diffusion of dense disintegrating plasma in a stellarator, 25:30462 (NP-18767)
KHILBIG, Kh. Operational principle and design of an ionization smoke-gas signal system, 21:4745
KHIL'KO, A. S. Sensitiveness of animals to x-irradiation, 24:23371
KHILKOVA, T. A. Intratissue radiotherapy of cerebral tumors, 21:32683
KHIL'MANOVICH, A. M. Gamma spectra from reaction (n,γ) of thermal neutrons on natural mixture of isotopes of magnesium, 25:1724
  Gamma spectra from reaction (n,γ) of thermal neutrons on ^{70}Ge, ^{72}Ge, and ^{73}Ge nuclei, 25:1723
  Gamma-ray spectra for (n,γ) reactions of thermal neutrons in ^{74}Se, ^{76}Se, and ^{77}Se nuclei, 23:52121
  Gamma-ray spectrum from reaction ^{74}Se(n,γ)^{75}Se, 24:43308
  Spectra of γ-rays from ^{64}Ni(n,γ)^{65}Ni reaction, 24:15842
KHIM, Yong-he Stereochemistry of sulfoxide in the base-catalyzed hydrogen-isotopic exchange of aryl-methyl sulfoxide, 21:3018
KHIMICH, I. V. Nucleon form factor at asymptotically great transferred momenta, 23:7108
  Problem of asymptotic equality of differential cross sections of scattering cross reactions of particles with an arbitrary spin, 22:39723
KHINDZHUA, T. G. Vertical distribution of natural radioactivity in the free atmosphere in the presence of cloudiness in the middle stratum, 23:11660
KHIPLOVICH, I. B. T-odd correlation in the K^0/sub μ3/ decay and electromagnetic form factor of the π meson, 21:42325 (ITEF-492)
KHIRNYI, Yu. M. Charge exchange of protons in negative ions on cesium, 25:22923
  Compact duoplasmatron negative ion source for charge-exchange generators, 21:17242
  Economical source of negative tritium ions, 22:7582
  Production of low-energy hydrogen ion beam, 22:32389
  Source of polarized negative ions of hydrogen, 23:17034
  Universal injector for negative ions of hydrogen isotopes for charge-exchange generator, 21:17241
KHIRSELI, E. M. Decays of ion-sound oscillations in a weakly ionized plasma, 21:42114
KHISAMETDINOV, A. M. Phase composition and structure of Ni—Al catalysts, 24:8134
KHISAMUTDINOV, A. I. Calculation of photoneutron distribution by Monte Carlo method, 25:49964
  Efficiency of the method of mathematical expectation for problems of the same class, 22:5471
  Functionals arising in Monte Carlo solution of conjugated equations for radiation transport, 22:29535
  Importance sampling in the theory of radiation transmission, 25:22572
  Numerical experiments with a nonlinear chain, 25:6234 (LA-4440-TR)
KHISINA, T. Distribution of U and Th in Plana pluton, 24:44105
KHISTOV, D. Studies of ^{153}Gd radiations, 22:39667
KHITNIKOV, B. Z. Experimental solenoid made of Nb_3Sn strip, 25:19588 (JINR-P8-5440)
KHITROV, L. M. Application of deep-water γ-radiometer for radioactivity measurements in the ocean, 21:8811 (AEC-tr-6641, pp 145-56)
  Procedure for taking water samples from any desired horizons in studies of the distribution of isotopes and trace elements in the ocean, 21:8480 (AEC-tr-6641, pp 172-6)
  Proportional 4π-counter for measurements of low beta-activities under marine conditions, 21:8583 (AEC-tr-6641, pp 185-91)
  Radioactive contamination of the sea, 21:8471 (AEC-tr-6641)
KHITROVA, V. I. Electron-diffraction study of tantalum dioxide in thin films, 22:31520
  Electron-diffraction study of the γ phase in the Ta—O system, 23:3073
  Phase transition in thin films of tantalum oxides, 25:8950
KHIVRICH, V. I. Changes in properties of p-type Si under γ-ray irradiation, 25:7466
  Light effects on formation of recombination centers in Si and Ge induced by ^{60}Co γ irradiation at 77 and 300°K. 23:42400
  Radiation defects created by γ rays in p- and n-type Si, 24:5204
  Radiation defects in silicon of high purity, 25:38553
  Radiation effects in p-silicon, 21:31119
KHIZHANYAK, N. A. Limiting-oscillation amplitudes of electron beam in crossed fields, 24:49295
KHIZHNYAK, N. A. Acceleration of plasma in a conical induction source, 23:8618
  Adiabaticity of the motion of plasma bursts in longitudinal magnetic fields, 21:15135
  Coefficients of mutual inductance of coaxial spheroidal plasmoids, 21:3870
  Collapse of a plasmoid in an external growing magnetic field, 21:3869
  Collision of an atom with a solid film, 23:20990
  Contribution to the theory of an erosion plasma source, 23:51716
  Diffusion broadening of a plasmoid in a longitudinal magnetic guide field, 25:22548
  Dynamics of the current sheet and acceleration of plasma in an electrodynamic rail accelerator, 21:15137
  Electrode erosion in pulsed plasma accelerators, 25:36207
  Electrodynamic plasma acceleration in a conical electrode source, 22:39120
  Electron flux instability in crossed magnetic and non-homogeneous electric fields, 23:5431
  Electron plasma induced oscillations in a magnetic field, 25:3160
  Ellipsoidal plasma configurations, 25:22538
  Equilibrium of plasma ellipsoids in external high-frequency field, 24:40112
  Equilibrium of rotating ellipsoid in hf fields in constant magnetic field, 24:1411
  Erosion electrodynamic plasma accelerator, 24:3407
  Heating of small plasmoids incident on an axially symmetric magnetic field, 21:3810
  Instability of an electron beam in a space-periodic electric field, 24:45703
  Interaction of plasma streams with stationary, axially symmetric magnetic fields, 25:52793 (KHFTI-70-50)
  Investigation of the current layer and the acceleration of plasma in a coaxial plasma gun, 21:44083
  Longitudinal oscillations in multivelocity plasma beam, 21:16949
  Longitudinal polarization of a plasma stream in a transverse magnetic field, 23:51635
  Motion of plasmoid in a curved magnetic field, 21:29252
  Nonlinear processes in one-dimensional and one-component plasma, 21:15158
  Nonlinear theory of longitudinal waves in a plasma, 21:31457
  Oscillatory electron—ion discharge in longitudinal field, 24:3322
  Plasma acceleration in a conical induction source, 24:35481
  Plasma acceleration in crossed fields, 21:3875
  Plasmoid motion in an axially symmetric spatially periodic magnetic field, 24:49176
  Possible mechanism of fast-particle generation in electrodynamic plasma accelerators, 24:10541
  Reflection of plasma by a linearly increasing transverse magnetic field, 21:46351
  Resonance propagation of an electron beam in a medium with a layered dielectric, 21:16950
  Scattering of electromagnetic waves on ellipsoidal plasma formations in the atmosphere, 24:49223
  Stability of an incompressible equilibrium plasma ellipsoid, 25:43392
  Theory of an electrodynamic plasma accelerator with inductive energy storage, 22:39119
  Theory of ionization losses of fast electrons. I, 24:28073
  Theory of ionization losses of fast electrons. II, 24:37241
  Wave interaction in a magnetized plasma, 25:36232
KHIZHNYAKOVA, I. P. Ionized interstellar gas distribution, 23:36448
KHIZNICHENKO, L. P. Changes in the mechanical characteristics of some solids from the action of gamma-rays, 22:11493 (JPRS-42628, pp 30-42)
  Effects of heat treatment and γ irradiation on photodeformation effect in Ge, 25:59128
  Properties of the low-temperature internal friction peak in silicon, 21:37605
KHLABYNIN, E. G. Choice of optimum shielding wall materials for nuclear plant buildings, 21:10152
KHLAPONINA, V. F. Influence of proton and gamma radiation on the mitotic activity of an inoculated culture of human cells, 21:16533 (JPRS-38272, pp 120-1)
KHLBNIKOV, V. P. Investigation of the formation of the complex of protactinium with acetyl acetone in perchloric acid solution, 22:30576
KHLEBNIKOV, A. E. Improving the quality of martensitic steel by treating it with rare earth metal alloys, 21:11234
KHLEBNIKOV, B. I. Equilibrium potentials of molybdenum in $CaCl_2$—$CaMoO_4$ melts, 22:33351
KHLEBNIKOV, G. I. Determination of concentration and spatial distribution of Th in minerals and rocks, 23:35322 (IAE-1519)
  Precipitation of compounds of uranium on metals by the contact method, 23:21688
  Shell effects and deformation of fission products, 22:35379
KHLEBNIKOV, V. P. Complex formation of protactinium with thenolytrifluoroacetone in perchlorate solutions, 22:30661
  Extraction of Pa by tributyl phosphate. III, 21:8414
KHLEBOSTROEV, V. A. Optical potentials of composite particles, 24:13438
KHLEBOSTROEV, V. G. Stripping reactions with two transferred nucleons and polarizability of t,^{3}He, 25:15192
KHLESKOV, V. I. Relation between cross sections of processes $e^- + e^+ \rightarrow e^- + e^+ + A^- + A^+$ and $\gamma + \gamma \rightarrow A^- + A^+$, 25:19938 (JINR-P2-5505)
KHLESTKOV, V. A. Traveling wave accelerating system of a 1000 GeV proton synchrotron, 22:32346 (CEAL-2000, pp A125-6)
KHLESTKOV, Yu. A. Dependence of beam intensity on charge distribution in a bunch, 25:53457
KHLOPIN, V. G. Determination of the distribution coefficient of radium and of its isotope thx between fused and crystalline calcium nitrate, 23:28771 (AD-682879)
KHLOPINA, T. N. Causes of error in spectral isotopic analysis, 24:5591
  Pulsed discharges in cooled vacuum cathodes, 22:48125
  Spectral isotopic analysis of elements in middle part of Mendeleev Periodic Table, 25:28952
KHLYSTOV, A. I. Mechanism for the formation of the CN lines in the solar photosphere, 24:42441
  Physical conditions in faculae and the photosphere at the level of formation of the CH molecule, 25:40272
KHLYSTOVA, A. D. Spectrographic determination of tungsten in tungsten—molybdenum alloys, 25:34516
KHLYSTOVA, Z. S. Ionizing radiation influence on morphogenesis of skin structures in cultures prepared according to Lazarenko, 21:22761
KHMARA, M. E. Naphthidone, its influence of survival rate of mice of C3H/Sn line exposed to total irradiation and efficiency in local x-ray treatment of adenocarcinoma of mammary gland, 22:45604
KHMARUK, V. G. Experimental research on the collisionless relaxation of ion streams in a plasma, 25:38420 (CONF-710607-58)
  Scattering of ion beam in hot-electron plasma, 25:9450
KHMELEVSKAYA, A. F. Effect of rare earth metals on the gas saturation of steel, 22:19527
KHMELEVSKAYA, V. N. Technique of large-field x-ray therapy of patients during the operation, 23:12169
KHMELEVSKAYA, Z. I. Changes of nervous system in radium therapy, 22:51795
KHMELEVSKII, Ya. M. Myoparalytic action of succinylcholine following whole-body gamma irradiation, 25:46996
  Prolonged action of succinylcholine at the height of acute radiation sickness, 25:49110
KHMELININ, B. A. Heating of ions in heavy-current arcs stabilized by a magnetic field, 25:38398
  Temperature measurement of heavy particles in a plasma in a magnetic field, 25:58988
KHMEL'NITSKII, R. A. Mass-spectral analysis, 22:4028
KHMEL'NOVA, S. V. Phase composition of an Fe—Cr—Ni alloy, 24:17318
KHMIL, M. V. Radiation damage to myoglobin of irradiated animals, 25:44767
KHMYROV, V. V. Generator of nanosecond rectangular pulses with amplitudes of 500 kV, 23:33558
KHNYCHEV, S. S. Changes of blood platelets in radiation sickness, 24:12306
  Influence of cystamine and mexamine on certain indices of hemostasis in irradiated rats, 23:10010
  Influence of exogenic serotonin on the aggregation of blood platelets and some blood coagulation indices in experimental acute radiation sickness, 25:13549
KHNYCHOV, S. S. Activity of fibrinase in γ-irradiated rats, 21:26340
KHO, Jose H. T. Monomer reactivity ratios in graft copolymerization, 25:29106
KHOCHOLAVA, G. M. Causes of two types of anomalous absorption in the polar cap, 21:46257
  Critical frequency of the ionospheric F2 region, 23:20795
  Disturbance in F2 region of ionosphere at middle latitudes, 21:25003
  Fluctuations of the quiet ionosphere at middle latitudes, 24:30270
  Ionospheric disturbances at middle latitudes, 22:38938
  Positive ionospheric disturbances at middle latitudes, 24:39971
KHODADAD, Parviz Combinations between U chalcogenides UX and U_3X_4 (X = S, Se, Te), and sulfides, selenides, and tellurides of lanthanides, Y, and Sc, 25:43001
  Crystallographic study of U_3Se_5, 23:7514
  Mixed rare earth sulfides, 25:19286
KHODAI-JOOPARI, Arastoo Detection of long-range fragments from decay of ^{252}Cf, 22:29997
  Fission properties of some elements below radium, 21:7774 (UCRL-16489)
  Fission properties of some elements below radium, 21:42668
KHODAK, A. I. Multisection fission chamber, 22:38006
KHODAKOV, P. E. Intermetallic compounds in components of wrought aluminum alloys containing cerium, 23:33938
  Magnesium wrought alloy, 23:27040
KHODAKOV, V. A. Solution of integral Peierls equation, 25:53357 (IAE-1970)
KHODAREV, N. N. Treatment of information for determining functioning tissue in scanning, 22:38371
KHODATAEV, K. V. Interaction of a high-frequency electromagnetic field with a plasma, 24:12823
  Interaction of a plasma with the containing high-frequency travelling magnetic field, 23:32383
  Penetration of high-frequency traveling magnetic field into plasma in Delta device, 24:28256

- KHODEEV, Yu. S. Ionization potentials of atomic U by electron impact. I, 25:7155
  - Ionization potentials of atomic uranium by the electron-impact method. II, 25:33066
  - Mass spectrum of zirconium borohydride, 25:58377
- KHODEL, V. A. Calculation of nuclear matrix elements of double β decay, 25:31440
  - Effective field equation in a finite system, 21:44779
  - Equation for the effective field of a spherical system. The 1f 7/2 shell, 21:2797
  - Gauge transformations and local charges of quasiparticles, 25:20082
  - Long-range part of effective interaction of quasiparticles in nuclei, 24:13436
  - Long-range part of the effective interaction between quasiparticles in nuclei, 23:49465
  - Method for calculating the energy spectrum of low-lying states of spherical nuclei, 24:43462 (IAE-1855)
  - Method of calculating low-lying spectra in spherical nuclei, 25:59884
  - Method to calculate properties of low-lying states of spherical nuclei, 24:33167
  - Nonlocal interaction in effective-field equation; isotopic shift, 23:37293 (UCRL-Trans-10344)
  - Nuclear matrix elements for beta-decay of RaE, 24:22176
  - Nuclear matrix elements for first-forbidden beta-decays, 24:1904
  - Nuclear momenta and transition probabilities for low-lying states in spherical nuclei, 21:17410
  - Nucleon interaction amplitude in infinite nuclear matter, 24:30930
- KHODEL V. A. Nonlocal interactions in equations for effective field, 23:5942 (IAE-1426)
- KHODKIN, V. I. Thermal resistance of Mo dispersions containing oxides of Zr, Ti, Hf, V, Yb, and La, 24:2926
- KHODOS, I. I. Investigation of Y—Ce—H system by the spin-echo method, 25:25263
  - Study of Nb—Zr—H system by spin-echo method, 24:30410
- KHODOS, V. N. Effect of radiation on organophosphorus compounds in plant tissues, 22:15117
- KHODOSEVICH, P. K. Internal photoeffect spectral distribution in hexagonal selenium produced by uv and x-ray effects, 22:20077
- KHODOSOV, E. F. Investigation of Y—Ce—H system by the spin-echo method, 25:25263
  - Study of Nb—Zr—H system by spin-echo method, 24:30410
- KHODOVOI, V. A. Measuring weak magnetic fields by optical orientation of atoms, 22:7135
  - Up-to-date methods for studying Stark effects in atoms, 22:5048
- KHODUSOV, V. D. Kinetics of magnetohydromagnetic waves. I, 25:3159
  - Magnetic energy pumping into a turbulent plasma, 25:36083
- KHODYACHIKH, A. F. Fine structure of giant resonance of the reaction ^{4}He(γ,p)^{3}H, 23:46910
  - Investigation of reaction ^{4}He(γ,p)^{3}H at maximal γ-quanta energy 120 MeV, 25:14886
  - Photodisintegration products of ^{4}He, 23:46909
  - Reaction ^{4}He(γ,n)^{3}He at the γ-quanta maximal energy of 120 MeV, 23:28240
  - Three-particle and total photodisintegration of ^{4}He, 24:22070
  - Total cross section of reaction ^{4}He(γ,pn)^{2}H, 23:37102
- KHODYREV, V. I. X-ray therapy of nontumorous diseases, 25:21784
- KHODYREV, Yu. S. High intensity (10-16) GeV/c negative particle beam, 25:43729 (CERN-Trans-71-16)
- KHODYREVA, M. A. Absorption of ^{239}Pu through the skin of animals and its distribution in organism, 23:22162 (AEC-tr-6944, pp 99-105)
  - Efficiency of skin decontamination from ^{210}Po, 22:43333
  - Protective ointments in working with radioactive substances, 23:41333
  - Strontium-89 sorption by intact skin, 24:9739
  - Unified approach to absorption of radioactive substances through noninjured skin of animals, 22:49203
- KHODZHA-AKHMEDOV, Ch. L. Electron density in the lower ionosphere in periods of auroral absorption, 22:48008
  - Polar cap absorption in Antarctica, 24:21695
- KHODZHAEV, A. Z. Cutoff of plasma jets by transverse magnetic fields, 23:10657
  - Depolarization of a plasma stream in constant and variable transverse magnetic fields, 24:37447
  - Investigation of the mechanisms of plasma jet cutoff by transverse magnetic fields, 23:14777 (AEC-tr-7015)
  - Mechanisms of plasma jet cut off by transverse magnetic fields, 22:44114 (NP-17581)
  - Method of obtaining short dense plasmoids, 25:36120
  - Planar plasma source, 23:12867 (NP-17746)
  - Planar plasma source, 23:44442 (AEC-tr-7057)
- KHODZHAEV, L. Sh. Bogolubov distributions and causal S-matrix elements, 21:34024 (JINR-P5-3180)
  - Contributions to theory of free 2(2s + 1)-component, quantized spinor fields, 22:50442
  - Covariant structure of causal S-matrix elements for an arbitrary spin. II, 21:7562 (JINR-P2-3045)
  - Functional formulation of Bogolubov axioms determining causal S-matrix theory, 21:21304 (JINR-P5-3179)
  - Properties of causal S-matrix decomposition in beams, 22:9702
  - Representation of states in the quantum field theory, 21:29625
  - Theory of 2(2s + 1)-component free quantized spinor fields. I, 21:7547 (JINR-P2-3010)
- KHODZHAEV, M. Half-lives of excited states of ^{115}In, 21:34006
  - Lifetime of the first excited state of ^{149}Sm, 21:2752
  - Spectroscopy of ^{115}In, 21:40436
- KHODZHAEV, M. Kh. Spectroscopy of ^{117}In nucleus, 22:48569
- KHODZHAEV, M. M. Energy levels of ^{117}In nuclei, 22:20657
  - Nature of excited states of the nucleus ^{131}Cs, 24:13390
  - Quantum parameters of excited states of ^{69}Ga and ^{71}Ga, 24:10982
- KHODZHAEV, O. F. Absorption spectrum of neutral crystalline ice γ irradiated at -196°C, 22:23051
  - Electron paramagnetic resonance (EPR) spectra of free radicals in irradiated, frozen formic acid, 21:17676
  - Electron paramagnetic resonance spectra of irradiated frozen aqueous solutions. VII, 22:6329
  - Electron paramagnetic resonance spectra of irradiated frozen aqueous solutions. VIII, 22:33424
  - EPR spectra of irradiated frozen aqueous solutions. IX, 22:16578
  - Formation of $(e^-)_2$ centers in radiolysis of aqueous alkali "vitreous" solutions, 22:12357
  - Radiolysis of aqueous alkaline solutions of carbon monoxide, 22:12349
- KHODZHAEVA, I. V. Reaction of phenothiazine and its derivatives with radioactive ^{35}S, 21:3021
- KHOE, T. Low power magnetic channel with dipole compensation, 23:28048
  - Measurement of titanium vacuum chamber eddy current fields and pole face winding corrections for Zero Gradient Synchrotron (ZGS), 25:50535
- KHOE, T. K. Decade of progress in cyclotrons: frequency-modulated and isochronous, 21:37989
  - Effect of a delta function sextupole field on phase space trajectories, 25:50557
  - Performance of a polarized proton target for high energy physics experiments at Argonne, 21:29780
  - Proposed Midwest tandem cyclotron (MTC), 25:31083
  - Resonant extraction at Zero Gradient Synchrotron (ZGS), 25:50536
- KHOGALI, A. Stellar rotations observed with a spectracon, 22:17291
- KHOINATSKII, S. Absolute measurement on longitudinal polarization of beta rays from isotopes: ^{46}Sc, ^{137}Cs, and ^{204}Tl, 22:9849 (INR-798/I/PL)
  - Isomeric transition in ^{135}Ce, 23:44885 (JINR-P6-4499)
  - New isomeric state in N = 77 isotopes: /sup 137m/Nd, 24:6883 (JINR-P6-4597)
  - Short-lived isomer in ^{203}At, 23:44884 (JINR-P6-4494)
- KHOKHLOV, A. F. Hall study of silicon layers doped with phosphorus and boron by ion implantation, 25:52908
- KHOKHLOV, L. K. Effective operation of open-cycle MHD installations, 24:21628
- KHOKHLOV, M. Z. Angular distribution of solar-wind ions, 22:38707
  - Experimental studies of plasma in near lunar space, 21:37322
  - Indications of lunar intersection of the tail of earth's magnetosphere according to data from charged particle traps on the first artificial lunar satellite, 21:11494 (JPRS-38796)
  - Indications that the moon traverses the Earth's magnetosphere tail, 21:20869
  - Inertial cooling and temperature anisotropy in the solar wind, 23:3222
  - Observations of lunar ionosphere with first artificial lunar satellite, 21:20868
  - Some aspects of studying charged-particles fluxes with traps and analyzers. I, 25:22409
  - Velocity and temperature of solar wind, 25:58613
- KHOKHLOV, V. F. Method of subgroups for accounting of resonance structure of cross-sections in neutron calculations. I, 24:46112
  - Subgroup method and its realization in a diffusion approximation, 21:21735
- KHOKHLOV, V. K. Sensitivity of a secondary-emission-type accelerated-electron-beam position monitor, 25:20173
- KHOKHLOV, Yu. A. Average number of prompt neutrons in fast-neutron-induced fission of ^{235}U, ^{239}Pu, and ^{240}Pu, 25:15115
  - Equipment for measuring fission parameters of nuclei, 24:27390
  - Ratios of fast-neutron fission cross sections of ^{235}U, ^{239}Pu, and ^{240}Pu, 25:17920
- KHOKHLOV, Yu. K. Interaction of system of particles with electromagnetic field. I, 25:56455
  - Method of collective variables in nuclear theory, 21:2774
  - Trajectories of particles in an isochronous cyclotron in the presence of acceleration, 25:36621
- KHOKHLOVA, G. K. Change in the localization of histones in the thymus and liver of irradiated rats, 25:44936
- KHOKHLOVA, L. K. High-temperature combustion products for thermoelectric plants with MHD generator, 25:9261
- KHOKHLOVA, V. L. Inhomogeneities of chemical composition and physical conditions at the surface of the Si II Ap stars CU Vir and 56 Ari, 24:42375
  - Spectroscopic studies of peculiar A stars of Mn group, 25:19343
- KHOKHLOVA, V. V. Bremsstrahlung and electron radiation therapy of cerebellar medulloblastoma in children, 23:29695
  - Intratissue radiotherapy of cerebral tumors, 21:32683
- KHOKHLOVA, Z. S. Nonrelativistic particles produced in interactions of multicharged cosmic ray nuclei with light nuclei of emulsion, 25:59274
- KHOKHRYAKOV, V. F. Effect of pulsed γ-neutron irradiation on permittivity of methyl methacrylate polymers, 22:12364
  - Irradiation dose of different human bones in accumulation of one strontium unit, 23:12102
- KHOL, Frantisek Contribution to dosimetry of Czechoslovak betatron, 22:38279
- KHOL, G. Personal dosimetry in the use of radiation for nondestructive materials testing, 21:34494
- KHOLAS, A. Theory of the vibrational spectra of hexagonal metals, 24:3467
- KHOLAS, Ya. Determination of nuclear amplitudes of W isotope scattering using neutrongraphic method, 24:1853
- KHOLBERG, Ira Computation of electron transport in dielectrics, 22:31896
- KHOLEV, S. R. Pulsed neutron source having electrodynamic plasma accelerator, 23:49310
- KHOLEVA, S. Ya. Irreversible component of radiation injury of yeast cells. I, 22:25866
- KHOLEVO, A. S. Quasi-free states of C* algebra of commutation relations. II, 25:19932
  - Quasi-free states of the C* algebra of commutation relations. I, 25:17414
- KHOLIKOVA, T. A. Effect of 2,4-dinitrophenol on frequency of recessive lethal mutations induced by radiation in Drosophila, 25:39908
- KHOLIN, V. N. Massive-use spectrometric scintillation apparatus for radioactive logging of boreholes in ore deposits, 23:29240
  - Spectrometric scintillation equipment of commercial application for radioactive logging of boreholes in ore deposits, 25:18814 (CSIRO-Trans-9992)
- KHOLIN, V. V. Affection of the thymus in rats deceased after whole-body x-ray irradiation in large doses, 21:39491
  - Bone marrow grafting in radium therapy, 23:29683
  - Peculiarities of injury to the blood in rats at an early age as a result of total x ray irradiation, 21:6666
  - Significance of absorbed dose in severity of radiation damage, 21:36723
  - Some peculiarities of the weight change of growing animals after a radiation influence, 23:5015
  - Tables for calculation of absorbed dosage in therapy, 22:25855
  - White cell content in patients with cancer of uterine neck, 23:31978
- KHOL'KINA, I. D. Macroporous phosphonic resins, 22:4086
  - Porous organophosphorous cation exchangers, 22:33354
  - Sorption characteristics of macroporous phosphonic resins, 22:4092
- KHOLKOV, U. V. Non adiabatic injection of plasma into the L-2 stellarator with n = 2, 21:2197 (NP-tr-1430(Draft))
- KHOLMYANSKII, V. A. Conductivity of ultrathin films obtained by vaporizing tantalum in a vacuum, 23:14346
  - Structure of ultrathin films produced by vacuum evaporation of tantalum and iridium, 22:31405
- KHOLMYANSKII, V. I. Effect of substrate temperature on the electric conductivity of films produced by evaporating tantalum in a vacuum, 21:34901
- KHOL'NOV, Yu. V. Confinement of dense plasma in TOR-1 stellarator, 25:38369 (CONF-710607-102)
  - External electron injection into closed toroidal systems, 23:12741 (NP-17743)
  - Gamma-ray spectrum of ^{143}Ce, 21:27586
  - Gamma-ray spectrum of ^{147}Nd, 21:27589
  - Influence of resonance structure of magnetic field on confinement of collisionless plasma in Tor-1 stellarator, 24:51606 (NP-18470)
  - Influence of resonance structure of magnetic field on containment of collisionless plasma in Tor-1 stellarator, 25:17123 (CTO-740)
  - Magnetic field structure in TOR-1 stellarator with l = 2, 24:6555 (NP-tr-1860)
  - Method of external injection of electrons into closed toroidal systems, 23:44407 (AEC-tr-7082)
  - Nonadiabatic injection of plasma into a stellarator with a double-helix-type magnetic field, 22:15508
  - Plasma containment in Tor-1 stellarator, 25:52772 (NP-18973)
  - Reference spectrometric alpha sources, 22:14680
  - Tor-1 stellarator, 23:51709 (NP-tr-1846)
- KHOL'NOVA, E. A. Adiabatic γ-calorimeter with improved sensitivity, 24:21026 (UCRL-Trans-10430)
  - Apparatus with adiabatic γ-calorimeter for measurement of activity of γ-sources, 24:25266 (UCRL-Trans-10447)
  - Methods of radioactivity metrology in the USSR, 21:5823
  - Methods of radioactivity metrology in USSR, 24:16840 (UCRL-Trans-10429)
- KHOLNOVA, R. A. High-sensitivity adiabatic gamma calorimeter, 21:1622
- KHOLOD, Yu. V. Cryosorption pumping of helium, hydrogen, and deuterium by condensed gas layers, 23:38235 (NP-17956)
  - Dense supersonic hydrogen jet in high vacuum, 22:29489
- KHOLODAR, G. A. Absorption and photoconductivity of neutron-irradiated cuprous oxide, 23:36786 (AEC-tr-6869/7, pp 1148-52)
- KHOLODOV, A. G. Change in solubility of Ce, Pr, and Nd in Cr as a function of temperature, 25:27238
  - Variation in solubility of Ce, Pr, and Nd in Cr with temperature, 25:58237
- KHOLODOV, Yu. A. Effect of electromagnetic and magnetic fields on the central nervous system, 21:36481 (NASA-TT-F-465)
  - Investigations of the reactions of mammalian brain to static magnetic fields, 25:6794
  - Possible role of neuroglia in the appearance of brain bioelectric reactions to a constant magnetic field, 21:36741
- KHOLOMAI, B. V. Production of electron—positron pairs upon the collision of a single photon with a plane electromagnetic wave, 23:18847
  - Quantum theory of relativistic electron motion in axially symmetric focusing-type magnetic field, 25:17437
- KHOLOPOV, G. K. Photoelectric pyrometer for measurement of actual temperature of W. II, 22:31358
  - Spectral radiation emission of Mo, Ta, Nb, and Tr in infrared region, 22:52194
- KHOLOPOV, P. N. Density distribution of bright stars in the globular cluster M56, 25:58429

  - Structure of star cluster M39, 23:5124
  - Structure of star clusters and the mass of the member stars, 23:36319
  - Unity in the structure of star clusters, 23:16572
- KHOLSHCHEVNIKOVA, E. K. Anisotropic conducting fluid flow in a channel at the magnetic field inlet zone, 22:21992
  - Distribution discontinuities of electric currents and fields in flows with thin layers of highly conducting gas, 25:58850
  - Hall effect on MHD curves of a generator with two pairs of electrodes, 21:11475
  - Steady supersonic flow of conducting gas in channel in case of weak MHD interaction, 25:19565
- KHOL'TSOV, A. V. Biological shieldings for nuclear reactor are calculated as functions of temperature load, 23:47352
  - Static computation of temperature stresses in reinforced concrete shielding construction, 24:51242
- KHOLUYANOV, G. F. Some properties of silicon carbide diffusion counters for high ionizing particles, 22:33646
- KHOMASURIDZE, A. G. Uptake of radioiodine-131 by the thyroid gland of rats, 24:34048
- KHOMASURIDZE, Zh. F. Radiation reduction of Hg and Cu, 22:45128
- KHOMCHIK, L. M. Experimental burial of radioactive wastes of low activity level in clay soils at Moscow station, 22:2327 (JPRS-42565, pp 1-11)
  - Fixation of radioactive wastes in cement, 21:270
  - Incorporation of radioactive wastes containing sodium nitrate into bitumen, 25:21127
  - Processing of solid low-level radioactive waste, 25:21122
- KHOMCHUK, O. N. Volt—ampere characteristics of tunnel p—n junctions in GaAs irradiated by fast neutrons, 25:484
- KHOMENKO, A. A. Application of the displacement and collective variables method to the Schroedinger equation, 21:42280
- KHOMENKO, G. S. Electron—photon cascade showers in Fe and Pb at energies exceeding 100 GeV, 22:2827
  - Probability of the recording of stars by an ionization calorimeter, 21:28257
- KHOMENKO, I. L. Determination of absorption coefficient of plasma with use of gaseous OKG, 22:41567
- KHOMENKO, K. I. Delta electrons in hydrogen bubble chambers, 22:43102
- KHOMENKO, V. E. Luminescence and phase state of europium oxide—tantalum oxide systems, 25:38021
- KHOMENKO, V. S. Fluorimetric determination of Eu and Tb in mineral raw materials and Y oxide, 22:33220
- KHOMICH, A. A. Elastic electron scattering on $^{58\ 60\ 64}$Ni and $^{112\ 118}$Sn isotopes, 24:38186
  - Elastic scattering of electrons by nickel and tin isotopes, 23:17086
  - Electroexcitation of low-energy collective states in isotopes of $^{58\ 60\ 64}$Ni, 23:46966
  - Electron elastic scattering on isotopes $^{58\ 60\ 64}$Ni, 24:1795
  - Electron elastic scattering on Ni and Sn isotopes, 23:5849
  - Excitation of giant resonance in Ni isotopes by means of high energy electrons, 23:28287
  - Excitation of gigant resonance in ^{32}S by electron scattering, 24:13344
  - High-energy electron scattering by nuclei ^{24}Mg and ^{28}Si and α-particle model, 22:44633
  - Inelastic scattering of electrons on carbon, 23:39970
  - Inelastic scattering of electrons with excitation of first 2^+ states of ^{58}Ni and ^{64}Ni, 23:21305
  - Levels of ^{24}Mg by means of electron scattering, 23:42877
- KHOMIDOV, I. T. Electric properties of β-rhombohedral boron at high temperatures, 24:36908
- KHOMIKEVICH, A. A. Handling of radioactive wastes at Soviet atomic power stations, 23:40969 (JPRS-48229)
- KHOMIKOVSKII, P. M. Radiation-induced chain polymerization at 4.2°K, 22:4186
  - Study of radicals in irradiated polyethylene in connection with mechanism of radiation polymerization of ethylene, 21:25889
- KHOMITSKII, Yu. N. Effects of x radiation on the strength stability of polymethyl methacrylate, 21:25882
- KHOMKIN, A. L. Canonical transformation method in thermodynamics of partially ionized plasma, 25:56172
- KHOMUTOVSKII, O. A. Changes in marrow cells during radiation sickness, 21:20256
  - Disturbances of pancreas in animals suffering from radiation sickness, 21:4768
- KHOMYAKOV, A. M. Radiation polymerization. XI, 23:316
- KHOMYAKOV, G. K. Device for measuring total proton cross sections of reactions, 25:20176
  - Mechanism of appearance of proton polarization in the reaction ^{12}C(d,p)^{13}C with E-1.06 to 1.10 MeV, 21:35429
  - Reaction ^{27}Al(p,α)^{24}Mg in the region of proton energies 2.3 to 3.4 MeV, 23:13231
- KHOMYAKOV, K. P. Radioprotective action of polymer salt of cystamine and sulphopropyl ester of dextrane, 25:11108
  - Toxicity and radioprotective properties of serotonin-containing dextran derivatives, 25:52115
- KHONDKER, Nurannabi Solid state detectors and their fabrication, 23:2574
- KHONICKEVICH, A. A. Aqueous processing of power reactor fuels, 25:51555 (A/CONF.49/P-435)
- KHONIKEVICH, A. A. Deactivation of waste waters from laboratories and experimental nuclear reactors, 21:14305
  - Handling radioactive wastes in the Soviet Union, 25:21359
  - Incorporation of radioactive wastes into bitumen, 23:43388
  - Radioactive waste handling at Soviet atomic power stations, 23:28981
- KHOO, S. W. Anodic oxidation of alloys, 21:11176
- KHOO, T. L. Temperature dependence of positron mean lives in metals, 21:46154
- KHOPKAR, P. K. Effect of ionic media on stability constants of chloride, nitrate, and thiocyanate complexes of Am(III) and Eu(III), 25:18371
  - Extraction of Am(III) and Eu(III) by dinonylnapthalene sulphonic acid and its salts, 22:45152
  - Separation of actinides and lanthanides, 23:383
  - Trilaurylamine as extracting agent for purification of Pu during reprocessing of irradiated fuel, 23:19814 (BARC-374)
- KHOPKAR, S. M. Anion exchange studies of Zr(IV) in malonate solution, 24:36380
  - Cation exchange studies of Tl(I) on Dowex 50W-X 8: separation from mixtures, 21:3000
  - Cation-exchange separation of Co(II) on Dowex 50W-X12, 25:235
  - Cation-exchange studies of Cd, 24:27204
  - Extraction of Cr(VI) with 4-methyl-3-pentene-2-one and subsequent photometric determination, 24:26927
  - Liquid—liquid extraction of Gold(III) with diluted tributyl phosphate, 25:10686
  - Rapid extraction of antimony with tributyl phosphate, 25:34512
  - Rapid solvent extraction of Ti(IV) with TBP, 23:24281
  - Separation of bismuth(III) from other ions by cation exchange chromatography, 25:18520
  - Solvent extraction and direct spectrophotometric determination of Au, 21:40781
  - Solvent extraction of metals, 24:46322
  - Solvent extraction of Mn(II) with TBP, 24:9447
  - Thenoyltrifluoroacetone as extractant and colorimetric reagent for ruthenium(III), 22:22975
- KHOPKAR, Shripad M. Mesityl oxide as an extracting agent, 21:159
  - Solvent extraction and spectrophotometric determination of Mo(VI), 21:14156
- KHOR, P. A. Design curves for spent fuel shielding, 22:48750 (DF-67-CAP-24)
- KHOR, T. H. Radiation myelitis in carcinoma of the nasopharynx, 23:43905
- KHORANA, B. M. ac Josephson effect in superfluid helium, 21:15057
- KHORANA, Brij Mohan ac Josephson effect in superfluid helium, 23:46421
- KHORANA, S. Annealing of trisdipyridylcobalt(III) perchlorate crystals, 23:49827
  - Comment on neutron capture by selected cobalt complexes, 25:158
  - Effect of added electron donor and acceptor on solid-state exchange in ^{57}Co^{2+}-doped tris-dipyridyl Co(III) perchlorate trihydrate, 23:114
  - Photoexcited isotopic exchange in the solid state: ^{57}Co^{++}-doped Co chelates, 21:19603
  - Thermal and radiation effects on ^{51}Cr(III)-doped crystalline oxy-salts, 25:51488
  - Thermal annealing and thermal exchange in a few neutron irradiated and ^{60}Co^{2+} doped ethylenediaminetetraacetate chelates respectively, 23:21733
  - Thermal exchange and thermal annealing in radiocobalt doped and neutron irradiated trisdipyridyl Co(III) perchlorate trihydrate respectively, 23:2325
  - Transfer annealing in ^{131}I-doped CsClO$_4$ and CsIO$_4$, 24:2227
- KHORANA, Shamsher Evidence for very early ionic events in the radiolysis of ethanol, 24:38965
- KHORASANOV, G. L. Plasma stability in a strong high-frequency electric field, 23:32455
  - Resonance phenomena in an alkali plasma located in a variable electric field, 25:14368
  - Thermal cesium plasma in a strong high-frequency electric field, 22:17667
- KHORAVA, I. S. Investigation of aromatic hydrocarbons of supsinskaya petroleum and their catalytic conversion in the presence of irradiated catalysts, 25:18444
- KHORENKO, V. K. Beryllium base cermets. I, 22:47699
  - Beryllium base cermets. II, 22:52277
- KHOREV, A. I. Effect of alloying elements on the mechanical properties of welds in alloys of the system titanium—aluminum—chromium and titanium—aluminum—chromium—molybdenum, 25:16506
  - High-strength alloys in the system Th—Al—Mo—V, 23:5077
  - Mechanical properties of Ti—Al—Mo alloys during heat treatment, 24:36907
  - Use of high-temperature thermomechanical treatment in the manufacture of extruded BT-15 Ti alloy tubes, 21:6773
- KHOR'KOV, K. A. Production of high electromagnetic energies by combined work of pulse excited oscillator and condenser battery, 25:33319
- KHOROBRYKH, V. V. Effect of a season and temperature on the extent of tritium oxide absorption through the skin, 23:26675
- KHOROSHAILOV, A. G. Behavior of radioactive elements in sorption systems with humus substances. II, 25:15744
- KHOROSHAILOV, V. G. Cr—Ni alloy, 23:46072
  - Effect of medium and annealing temperature on properties of molybdenum, 21:45919
- KHOROSHAVIN, A. V. Pulse effects of motion processes of plasma filaments, 22:9325
  - Theory of pulsed plasma-cluster accelerator, 25:40697
- KHOROSHAVIN, B. I. Acceleration of lithium ions in a cyclotron, 23:30892
  - Acceleration of lithium ions in a cyclotron, 24:28656
- KHOROSHAVIN, V. D. Effects of polymer mixtures in organic heat conductors on the sedimentation rate on a heating surface, 24:46420
  - Low capacity nuclear desalination plants, 22:14630
- KHOROSHEVA, O. V. Altitudinal asymmetry of the instantaneous auroral zone, 24:12736
  - Development of a polar storm, 25:2977
  - Geomagnetic disturbances and electron fluxes at boundary of outer radiation belt, 24:6447
  - Longitudinal drift of auroral ionization, 25:47425
  - Space-time distribution of auroras, 22:46014
- KHOROSHEVSKII, V. G. Conference on computer elements and systems, Novosibirsk, 6/67, 25:46349 (AEC-tr-7125(Vol.1))
- KHOROSHKOV, V. S. Formation of dose fields on proton beam of ITEP accelerator, 24:38015
  - Increase of ITEP proton synchrotron limiting intensity by demonochromator, 22:32344 (CEAL-2000, pp A117-19)
  - ITEP proton synchrotron injector, 21:19100 (LA-tr-65-31)
  - ITEP proton synchrotron injector, 21:29713
  - Proton beam of the ITEP accelerator for radium therapy, 25:56581 (BNL-tr-442)
  - Proton beams for radiotherapy, 23:30891
  - Pulsed ion source with a cathode needle, 21:27478 (LA-tr-65-32)
- KHOROZOV, S. Search for long lived Λ^0 hyperons, 21:31523
- KHORSANDIAN, M. Measurement of the radial neutron temperature distribution in the core of the TRIGA Mk II reactor, 21:27821
- KHORUZHAYA, V. G. Isothermal section of Mo—Zr—Cr constitution diagram at 1500°C, 25:52379
  - Structure of V—Cr—Zr alloys at 1150°C, 25:19237
- KHORUZHENKE, A. F. Model for cumulative damage in systematic γ-irradiation, 22:12918
- KHORUZHENKO, A. F. Effects of fractionated γ irradiation, 24:7991
  - Experiment on chronic γ-irradiation of rats with variable daily dose of influence, 23:923
  - Interpretations of biological effect of chronic γ-irradiation, 23:6567 (JPRS-44299, pp 77-85)
- KHORUZHII, S. S. Construction of axiomatic theory of nonrenormalized interactions. II, 21:25340 (JINR-P2-3086)
  - Construction of axiomatic theory of nonrenormalized interactions. I, 21:25339 (JINR-P2-3085)
  - Extended locality and other properties of local W* algebra, 24:30572
  - Fields and local observables in the axiomatic algebraic theory with superselection rules, 25:5414
  - Fields and local observables in the axiomatic algebraic theory with superselection rules, 25:22876 (ITF-70-66-E)
  - Global and local structure of relativistic quantum systems, 25:27931 (JINR-E2-5575)
  - Quasilocality of a class of nonrenormalizable interactions, 23:15196 (ITF-68-22)
  - Vector states on algebras of observables and superselection rules. I, 24:47353
  - Vector states on algebras of observables and superselection rules. II, 24:51871
- KHORUZHII, V. Kh. Relativistic eikonal approximation, 24:51990
- KHORUZHY, S. S. Weak local commutativity in nonrenormalizable theories, 22:9679
- KHORVAT, A. Anion-exchange adsorption of Gd and Eu by IRA-400 amberlite from water—methanol solutions containing neutral nitrates, 21:8413
- KHORVAT, E. Preparation for startup of the A-1 AEPS, 25:34228 (JPRS-53069, pp 124-30)
- KHORVAT, P. Pulse shaper with the zero time of regeneration for the apparatus blocking at the large loading, 25:8545 (JINR-P13-5377)
  - Time-coordinate compensator for the time spectrometers with long scintillators, 25:10813 (JINR-P13-5378)
- KHOSHEV, Yu. M. Parameters of stationary induction discharge at atmospheric pressure, 24:26168
  - Temperature profile of plasma column of induction discharge in Ar, 25:33236
- KHOSHNEVISAN, Mohsen Study of vacancies in tungsten wires quenched in superfluid helium, 25:694
- KHOSHOO, T. N. Genetic-evolutionary studies on cultivated cannas. IV, 25:516
- KHOSLA, M. M. L. Selective extraction of Th with N-benzylaniline in chloroform from sulphuric acid media, 25:29184
- KHOSLA, P. K. Thermal instability problem of a fluid sphere and the effect of radiative transfer, 21:37260
- KHOTAMOV, Sh. Determination of rare-earth elements in ash of plants and soils by neutron activation, 22:22969
- KHOTKEVICH, V. I. Investigation of superconductors of the M$_3$X type, 22:46075
  - Thermal conductivity of some metals and alloys at 4.2 to 273°K, 21:34904
  - Thermal expansion of Nb, Mo, and their alloys at low temperatures, 23:41623
- KHOUDJAKOV, A. V. Properties of heat-resistant steels following high-temperature reactor irradiation, 25:19250 (AEC-tr-7192)
- KHOUDYAKOV, A. V. Properties of heat-resisting steels after high temperature reactor irradiation, 23:34055
- KHOURY, A. T. Gamma-ray-induced spore germination of Dictyostelium discoideum, 25:13605
- KHOVANETS, F. Measurement of topography of synchrophasotron magnetic field of JINR, 21:985 (JINR-P-2818)
- KHOVANOVICH, A. I. Neutron dose from an isotropic point fission source, 24:48562
  - Photoelectric colorimeter for counting charged particle tracks on surface of glass detectors, 25:55029
- KHOVANSKII, A. V. Analysis of experiments in the measurement of neutron flight time, 24:46499 (IAE-1908)
- KHOVANSKII, V. D. New data on the interaction of high-energy protons with carbon nuclei, 21:17306
  - Protons emitted at 137° by nuclei under bombardment with protons of several GeV, 21:29896
  - Relation of Treiman—Yang angle to azimuthal angle in nuclear knockout reactions, 25:25808
- KHOYSTOVA, Z. S. Influence of ionizing radiation on the morphogenesis of skin structures, 21:39522

- KHOZE, V. A. Annihilation reaction of pair of polarized particles with spin 1/2, 25:36438
  - Bremsstrahlung in high-energy electron collisions, 21:4025
  - C-invariance verification in experiments with colliding e^+e^- beams, 25:30926
  - Determination of particle parity in experiments with colliding beams, 25:33642
  - Determination of the transverse polarization of high-energy electrons, 24:8788 (SLAC-Trans-107)
  - Determination of transverse polarization of high energy electrons, 23:25741
  - Double bremsstrahlung from electron collisions, 23:15018
  - Effects of particle scattering within a beam of polarized electrons in a storage ring, 23:17027
  - Photon radiation in two-particle annihilation of polarized electron—positron pair, 23:27781
  - Polarization effects in Compton scattering on relativistic electrons, 23:36875
  - Polarization effects in Compton scattering by relativistic electrons, 23:51900
  - Polarization effects in reactions with ultrarelativistic electrons, 22:39320
  - Polarization phenomena in $\gamma\gamma \rightarrow e^+e^-$ reaction and its possible experimental study, 24:42865
  - Possibility of determining spin and parity of X^0 (960) meson in electromagnetic interactions, 25:53063
  - Possibility of observing quasinuclear meson resonances in colliding e^+e^- beams, 25:59358
  - Properties of annihilation cross-sections of a polarized electron-positron pair, 21:25254 (SLAC-Trans-63)
  - Properties of cross section of process $p^-p \rightarrow e^+e^-(\mu^+\mu^-)$ with polarized initial particles, 25:7645
  - Properties of cross sections for annihilation of the polarized electron—positron pair, 21:33656
  - Radiation corrections to the scattering cross sections of electrons in colliding beams, 22:1410
  - Radiation effects in experiments on opposite electron beams, 21:46146
  - Radiation effects in experiments with colliding electron—positron beams, 22:29659
  - Radiative effects in colliding-beam experiments, 21:13355 (SLAC-Trans-52)
  - Schwinger terms and annihilation $e^+ + e^- \rightarrow$ hadrons due to vector meson current, 25:33617
  - Total bremsstrahlung spectrum of ultrarelativistic electrons, 22:13704
- KHOZHAINOI, A. I. Steady-state flow of liquid metal in MHD channel of rectangular cross section, 22:15405
- KHOZHAINOV, A. I. Acceleration of conducting fluid in MHD channel, 22:21993
  - Elements of general theory of transient work processes of liquid-metal MHD conduction type generators, 23:30377 (AD-683097)
  - Magnetohydrodynamics in marine engineering, 25:9266
  - Nonsteady flow of a conducting liquid in a suddenly short-circuited MHD generator, 22:2901
  - Nonsteady flow of conducting liquid in MHD channel, 21:29092
  - Precise and approximate solutions for non-stationary conducting fluid flow in magnetodynamic channels, 21:43882
  - Transients in channel of MHD generator, 24:1311
  - Unsteady flow of conducting liquid channel of MHD generator, 22:2886
  - Unsteady flow of liquid metals in MHD installations, 25:40452
  - Unsteady liquid metal flow in conducting MHD generator channel, 25:38208
  - Unsteady magnetohydrodynamic flows in channels, 24:47092
- KHOZHANOV, A. I. Nonstationary MHD Couette flow, 24:35252
- KHOZHATELEV, M. B. Double-probe method for measuring electric conductivity of low-temperature plasma, 21:20924
- KHRACHENKO, I. F. Investigation of particle energy and conditions of excitation of low frequency oscillations in a plasma formed by the growth of instabilities in a beam-plasma system, 21:16939
- KHRAMCHENKOV, V. A. Formation of high boiling products of radiolysis by radiation mixtures of perfluorobenzene with perfluorocyclohexane and perfluorononan, 21:19661
  - Radiation—thermal decomposition of highly fluorinated liquid and perfluorobenzene, 25:15661 (BNL-tr-394)
  - Radiolysis of mixtures of saturated and aromatic fluorocarbons, 24:50418
  - Radiolytic formation of polymers from mixtures of hexafluorobenzene with perfluoro-cyclohexene and perfluorononane, 21:23992
  - Radiothermal resistance of some aryl silanes. I, 24:48130
  - Radiothermal resistance of some aryl silanes. II, 24:48138
  - Some remarks on radiation stability of low melting coolants in liquid and solid state, 21:17656
  - Use of quasi-adiabatic calorimeters for in-pile dosimetry, 23:26587
- KHRAMOV, N. N. Activation detector, 25:57729
  - Measurements of high thermal neutron fluxes by activation detectors, 23:29175
  - Measuring reactor neutron fluxes by the use of superimposed activation foils, 24:43722
- KHRAMOV, V. P. Separation of rare earth elements with Trilon B in acid medium, 22:42846
  - Spectrophotometric study of complex compounds of rare earth elements with arsenazo AE, 22:1993
- KHRAPAK, A. G. Phase transition and negative clusters in an imperfect plasma of metal vapor, 25:3086
- KHRAPKO, R. I. Calculation for observable surface of a Friedmann universe, 22:52451
- KHRAPOVA, N. G. Elementary reactions of some radioprotective substances in oxidized models, 22:28371
  - Kinetic criterion of the applicability of inhibitors of free-radical processes in radiobiology and oncology, 21:26501
  - Kinetic method of investigation of the radioprotective effect exerted by inhibitors of radical reactions, 21:36514
- KHRENOV, A. N. Fast timing circuit using charge storage diode, 24:29608
  - Pulse shaper triggering from fixed part of the pulse amplitude of the photomultiplier, 24:33868 (JINR-P13-5065)
  - Pulse shaper with the zero time of regeneration for the apparatus blocking at the large loading, 25:8545 (JINR-P13-5377)
  - Time-coordinate compensator for the time spectrometers with long scintillators, 25:10813 (JINR-P13-5378)
- KHRENOV, B. A. Fluctuations of different components of extensive air showers at sea level, 22:13278
  - Groups of particles at a depth of 40 meters entering into the composition of broad atmospheric showers, 21:29033
  - Investigation of the penetrating component of high-energy cosmic radiation at 20 and 40 mwe underground, 22:13268
  - Measurements of muon flux at the depth of 20 mwe by means of spark chamber, 22:2839
  - New data on particle groups at 40 mwe underground, 22:13275
  - New phenomena produced by high and superhigh energy cosmic radiation underground, 22:13648
  - Search for neutral particles at 40 mwe underground, 22:13276
- KHRIENKO, A. F. Activated sintering of tungsten and molybdenum powders, 21:39630
  - Effect of temperature on sintering of Mo powders, 24:14685
- KHRIMAN, G. V. Search for quarks with single and fractional charges in cosmic rays at the elevation of 3200 m, 22:2851
- KHRIMYAN, A. V. Representation of elementary particle ionization losses in energy as simple approximating function, 23:42604
  - Scintillation spectrometer for the determination of the mass values and the energy spectra of elementary particles, 23:41047
  - Search for quarks with single and fractional charges in cosmic rays at the elevation of 3200 m, 22:2851
- KHRIPACH Simple scintillation detector for measuring low-energy irradiation, 23:7764
- KHRIPCHENKO, I. P. Change in the liver and skeletal muscle cholinesterase of white rats upon x ray and neutron irradiation, 22:19296
  - X-ray and neutron effect on cholinesterase in rat liver and skeleton muscles, 22:23446
- KHRIPIN, L. A. Binary system uranium tetrafluoride—uranium dioxide, 21:5874
  - Differential thermal analysis of phase transformations of tetraiodides of natural U and ^{233}U, 22:2710
  - Effect of explosion on uranium tetrafluoride, 22:15269
  - Irreversible heat of transition of anhydrous uranium tetrafluoride, 21:23871
  - Reduction of uranium tetrafluoride vapors by certain metals, 25:18372
  - Standard enthalpy of formation of uranium trifluoride, 24:38838
  - System UF_4—UF_3, 23:7527
  - UF_4—UO_2 binary system, 22:33294 (NLCO-Tr-9)
  - Uranium tetrafluoride, 21:4539
- KHRIPIN, Lev Aleksandrovich Uranium tetrafluoride, 22:30581
- KHRIPLOVICH, I. B. Calculation of the K_1 and K_2 mass difference, 21:15302
  - Commutation relations for current density components, 21:4051
  - Definition of the fermion current density in vector coupling theories, 21:21198
  - Definition of vector-particle current and polarization operator in Yang—Mills theory, 24:30559
  - Electromagnetic final-state interaction and T-odd correlations in leptonic baryon decays, 22:13730
  - Electromagnetic T-odd correlations in decay $\Xi^- \rightarrow \Sigma^0$ e anti τ and radiative β decay of baryons, 22:44467
  - Estimate for probabilities of decays $K \rightarrow \pi e^+e^-$, 23:13068
  - Green's functions in theories with non-Abelian gauge group, 23:51986
  - Pion electroproduction and axial current, 21:2418
  - Pion production at threshold in neutrino induced reactions, 21:31574
  - Question of limiting transition to zero mass renormalizability in the massive Yang—Mills field theory, 25:38776 (NP-18859)
  - Resonances with positive charge parity in colliding electron—positron beams, 25:33519
  - Saturation of sum rules following from current algebra and role of Schwinger terms, 22:24679
  - Single production of W boson in colliding electron beams, 25:33600
  - T-odd correlation in the K^+/sub μ3/ decay and the pion electromagnetic form factor, 22:5554
  - T-odd correlations in weak decays and electromagnetic properties of hadrons, 21:33740
  - Zero-mass limit and renormalizability in the theory of massive Yang—Mills field, 25:22891
- KHRIPTA, F. P. Block for interception and color scanning for gamma-topograph GT-60, 23:17782
  - Effect on alkaline phosphatase of indicator quantities of radiophosphorus and radiogold, 22:49216
  - Radiodiagnosis of cancer with the aid of Comet-A radiometer, 21:3425
- KHRIPUNOV, B. I. High-frequency modulation of an electron beam and production of fast ions in a cold plasma, 25:49906
- KHRIPUNOV, V. I. Antiproton—deuteron scattering in impulse approximation, 24:15588
- KHRISANFOV, Yu. V. Charged-particle focusing by a homogeneous magnetic field with corrections for the entrance boundary, 25:33916
- KHRISANOV, Yu. V. Inelastic scattering of protons on ^{27}Al at energies near 6 MeV, 21:44617
- KHRISHNAMURTHY, B. V. Solar and geomagnetic effects on upper atmospheric temperature, 21:27064
- KHRISTENKO, E. V. AFC system using superconducting resonator, 21:45469
  - Behavior of superconductive thin-film bridges in SHF fields, 25:43298
  - Nonlinear effects in thin superconducting tin films at microwave frequencies, 22:17580
  - Superconducting cylindrical diaphragmed resonator for three-centimeter wave, 22:22496
- KHRISTENKO, S. V. Application of Coulomb Green's function to computation of atomic properties, 22:41380
  - Dynamic dipole polarizability of the hydrogen atom, 23:44165
- KHRISTIANI, V. I. Standards of working loads for physicians of x-ray diagnostic rooms, 22:45510
- KHRISTIANOV, V. K. On radon content in the waters of the upper volga, 25:41929
  - Photoneutron method of isotopic analysis of hydrogen in natural waters, 21:38886
  - Photoneutron method of isotopic analysis of hydrogen in natural waters, 22:30434 (ORNL-tr-1925)
- KHRISTIANSEN, G. B. Calculation and studies of longitudinal and transverse development of wide air showers, 22:2842
  - Energy spectrum of ultrahigh energy primary cosmic rays, 24:12664
  - Fluctuations of different components of extensive air showers at sea level, 22:13278
  - Groups of particles at a depth of 40 meters entering into the composition of broad atmospheric showers, 21:29033
  - Investigation of the penetrating component of high-energy cosmic radiation at 20 and 40 mwe underground, 22:13268
  - New data on particle groups at 40 mwe underground, 22:13275
  - New phenomena produced by high and superhigh energy cosmic radiation underground, 22:13648
  - Phenomenological characteristics of broad atmospheric showers with a fixed number of μ mesons and electrons, 21:29032
  - Primary cosmic super-high energy radiation and wide atmospheric showers, 22:2838
  - Radio emission of EAS of cosmic rays, 21:23031
  - Search for neutral particles at 40 mwe underground, 22:13276
  - Singularities of the lateral distribution of radio emission of extensive air showers, 25:38177
- KHRISTOV, D. Decay of ^{151}Gd, 21:21520 (JINR-P6-3127)
  - Gadolinium-155 levels excited by decay of ^{155}Tb, 22:24856 (JINR-P6-3695)
  - Gadolinium-155 levels excited in decay of ^{155}Tb, 23:49420
  - Isomeric states by decay of short-lived isotopes of ^{140}Sm, ^{141}Sm, ^{140}Pm, 22:16007 (JINR-P6-3540)
  - New isotopes ^{174}Re and ^{175}Re, 21:4275 (JINR-P-2910)
- KHRISTOV, Georgi Producing molybdenum powder in a tubular rotating furnace, 22:41027
- KHRISTOV, I. D. Pair correlations of superconducting type for nuclei in region $100 < A < 256$, 22:14065
  - Pairing correlations of superconducting type for nuclei in energy region $100 < A < 256$, 21:34027 (JINR-P4-3329)
  - Quasi-particle states of spherical nuclei, 24:24608 (JINR-P4-4896)
  - Superfluid nucleus properties in region $100 < A < 256$, 22:7741 (JINR-P4-3584)
- KHRISTOV, Kh. Nonlinear representations of the lie groups, 23:15186 (ITF-68-56)
- KHRISTOV, Kh. D. Behavior of ^{65}Zn in the rat body, 25:21571
- KHRISTOV, Kh. Ya. Nonlinear representations of the Lie group, 22:26675 (JINR-P2-3725)
  - Quantium theory by the poincare group, 25:17553 (JINR-P2-5513)
- KHRISTOV, Khr. Ya. Non-linear representations of SU(2) group, 22:15819 (JINR-P2-3648)
- KHRISTOV, L. G. Test of the utilization of dilute emulsions with reduced shrinkage coefficient, 21:22149
- KHRISTOV, M. Joint resonance production in 4-prong π^+-p interactions at 2.34 GeV/c, 23:23471 (JINR-P1-4330)
- KHRISTOV, M. I. Study of π^+ meson—proton interaction at 2.34 GeV/c, 22:1388
- KHRISTOV, Mikhail I. Interactions of π^+-mesons with protons at 2.34 GeV/c, 22:24553
- KHRISTOV, N. N. Continuous spectrum of He for medium-pressure plasma diagnostics, 24:26159
  - Use of atomic temperatures for plasma diagnostics, 24:26158
- KHRISTOV, V. Cadmium ratios and resonance self-shielding for thick gold and indium foils activated in the reactor, 21:17280
  - Calorimetric method for measuring energy doses absorbed by substances in reactor, 21:36589
  - Note on the determination of neutron diffusion constants, 25:59687
  - Pulsed determination of constants of neutron diffusion into heterogeneous water lattices, 25:12861
- KHRISTOV, Vasil Diffusion neutron cooling in water medium with hollow cylindrical channels, 24:18351
  - Sensitivity of neutron method for determining moisture content, 24:14334
  - Spectra and doses of the neutrons of intermediate energies in absorbing hydrogen-containing media, 22:24821
- KHRISTOVA, E. Kh. Description of triple collisions in the theory of strong inter-channel coupling, 24:43070

- KHRISTOVA, M. G. Radioactive gas concentration in air thrown out of chimney of reactor IRT-1000, 22:44911
- KHRISTOVA, M. L. Effect of D_2O, glycerol, aliphatic alcohols, and possible role of hydrophobic interactions in electron transport in mitochondria, 22:45452
- KHRISTOVA, Margarita Device for measurement of low concentration beta-active gases, 22:40371
- KHROMENKOV, L. G. Electron microscopic study of powder polymer particle of radio-sulfochlorinated polyethylene and polypropylene by replica technique, 22:27789
  - Suspensions of radiation-sulfochlorinated polypropylene, 22:27784
- KHROMKOV, I. N. Microwave fields for stabilization of convective instability of plasma, 23:27608 (AEC-tr-7012)
  - Possibility of using superhigh-frequency fields for stabilizing convective plasma instabilities, 22:46188 (IAE-1490)
  - Possibility of utilizing uhf fields for stabilizing flute instabilities, 23:34449 (CONF-680113-(Vol.4), pp 1105-30)
- KHROMONOZHKIN, V. V. Investigation of vaporization of carbide, nitride, and carbonitrides of uranium, 23:43305
- KHROMOV, B. M. Effects of laser on internal organs, 23:48228
- KHROMOV, G. S. Morphological study of planetary nebulae. I, 22:17272
  - Planetary nebulae as possible x-ray sources, 23:6831
  - Planetary nebulae as possible x-ray sources, 24:15035
  - Stratification of luminescence in planetary nebulae, 22:8915
  - Temperatures of central stars of planetary nebulae, 22:8914
- KHROMOV, I. N. Potential use of vhf fields for stabilizing convective instability of plasma, 23:44449 (CONF-680113-(Vol.5), pp 203-27)
- KHROMOV, V. P. Generator of series of nanosecond light pulses, 21:45389
  - Hodoscope systems in crossed fields, 24:33867 (IFVE-SEF-69-22)
  - Increasing the discharge duration in spark chamber up to 10 to 100 μ sec, 21:6198 (JINR-P13-3064)
  - Search for particles with fractional charges (quarks) at IHEP 70 GeV accelerator, 23:30709
  - Stabilization system of time-of-flight spectrometer of nanosecond range, 21:34469 (JINR-P13-3342)
  - Synchronizer for delayed trigger of oscilloscope sweep from pulses of series under investigation, 22:10629 (IFVE-SEF-67-12-k)
  - System for the stabilization of a time-of-flight spectrometer of the nanosecond range, 22:43094
- KHROMOV, V. V. Calculation of heterogeneous effects in critical fast neutron assemblies, 22:7901 (ANL-Trans-541)
  - Calculation of heterogeneous effects in fast-neutron critical assemblies, 22:35648
  - Calculation of the spatial and angular distribution of neutrons in plane, multilayer systems, 21:23401
  - Effective methods of calculating the neutron field in a nuclear reactor, 23:52455 (JPRS-48331, pp 106-22)
  - Effective multigroup method for reactor calculation, 21:21656
  - Few-group calculation method for multizonal reactors, 21:21732
  - Large fast plutonium breeders with non-uranium plutonium solvents, 21:2880
  - Optimization of fast reactors taking thermal, strength, and physical characteristics into account, 23:52312 (JPRS-48331, pp 438-55)
  - Optimization of physical characteristics of nuclear reactors, 23:52467
  - Optimization study of fast reactors, 25:60217
  - Physical problems in developing fast power reactors, 21:15711
  - Variational method for multigroup neutron field synthesis in multizone reactors, 21:21731
- KHROMOV, Yu. F. Self-diffusion of carbon in carbides of Group IV and V transition metals, 25:22151 (LA-tr-71-14)
  - Self-diffusion of carbon in the carbides of IV and V transition group metals, 24:12410
- KHROMOV, Yu. V. New radiometric apparatus for prospecting radioactive ores, 25:57867
- KHROMOVA, G. N. Digitizer for coding center of HPD track signal, 25:44681 (IFVE-SPK/OPI-70-56)
  - Shaping devices for grating and track signals, 25:44680 (IFVE-SPK-70-59)
- KHROMOVA, M. M. Studies of the binary oxides of erbium and uranium, 24:14935
- KHROMOVA, T. P. Abundance of elements in sun using sunspot spectra. V, 21:37022
  - Determination of the solar abundance of several elements using the sunspot spectra. III, 21:16707
- KHROPOV, M. S. Thermodynamic and physical characteristics of mixtures containing bromotrifluoromethane and propane, 23:45551
- KHROPOVA, V. I. Mutagenic effects of radiation and ethylenimine on algae, 22:51496
- KHRUDEV, Yu. V. Lower excited levels of ^{223}Ra, 24:40612 (ITEF-748)
  - Resonance scattering of ^{191}Ir γ rays with energy 129 keV, 22:35358
  - Resonance scattering of gamma rays of ^{191}Ir with energy of 129 keV, 22:37343 (ITEF-X-529)
- KHRUDEVA, G. A. Track diameter distribution of spontaneous fission fragments of ^{244}Cm on siliceous glass surface, 24:19214
- KHRULEV, V. V. Additional corrections to the method of measuring linear polarization of cosmic radiation, 23:10468
  - Observations of cosmic radio emission near galactic anticenter at wavelengths of 70, 60, and 40 cm, 23:10469
- KHRUSCHEV, V. G. Gamma-irradiation apparatus for treatment of root- and tuber- crops, 25:29253
- KHRUSHCH, B. I. Application of the KFL-2 ionization chamber for the measurement of strong vacuum ultraviolet radiation, 23:11767
- KHRUSHCHEV, B. I. Dependence of the degree of neutron polarization on the material properties and transmissivity, 21:39803
  - Depolarization of slow polarized neutrons in hydrogen, 21:25426
  - Neutronographical installation on thermal WWR—S column, 21:41288
  - Polarization of thermal neutrons, 22:11888
  - Single-phonon scattering of neutrons on liquid lead, 23:28230
  - Slow neutron penetration through liquid Pb and Na, 24:15772
  - Slow neutron scattering on monoatomic fluids, 24:1726
- KHRUSHCHEV, V. G. Behavior of living organisms in radiation fields, 21:36686 (NP-16513)
  - Behavior of white rats, guinea pigs, and monkeys in a field of γ radiation, 22:23654
  - Gamma-ray irradiation equipment, 25:54837
  - Influence of dose rate and time factor on bactericidal effect of irradiation, 22:23685
  - Properties of penicillinase from Bac. licheniformis after treatment with γ-rays of ^{60}Co, 22:8443
  - Prospects of application of radiation sterilization in veterinary medicine, 23:10151
  - Use of ionizing radiations to prepare radiovaccines and radio-antigens, 22:52084
  - X and γ irradiation in radiobiological experiments, 22:23430
- KHRUSHCHOV, M. M. Development of radiation therapy in USSR, 25:52147 (A/CONF.49/P-437)
  - Dose distributions in rotation irradiation with a regular speed, 25:16149
  - Influence of radiotherapy on microflora of skin and intestine in patients with cancer, 25:32626
  - Programming for dosimetry of devices for x radiation therapy, 23:31785
- KHRUSHCHOV, N. G. Fibroblasts in sterile inflammation: study in mouse radiation chimaeras, 22:31230
- KHRUSTALEV, A. V. Concerning the effect of the neutron spectrum during irradiation of crystals, 24:12877 (IAE-1880)
- KHRUSTALEV, B. A. Radiative properties of tantalum, molybdenum, niobium, graphite, and niobium carbide, 23:46068
- KHRUSTALEV, B. N. Clarification and deactivation of waste waters by frothing flotation, 25:4141
  - Concurrent equilibria in radiochemical sorption systems with participation of oxyhydrate collectors, 22:10347
  - Radiocolloids in sorption systems. V, 21:4493
  - Study of the interaction of radioactive microcomponents in aqueous solution with alkylarylsulfonic acid by the foam formation method. I, 22:10317
- KHRUSTALEV, O. A. Angle distributions and polarizations in high energy pion—nucleon scattering, 23:36929 (JINR-E2-4479)
  - Bogolyubov transformation in strong coupling theory, 25:50167 (JINR-E2-5976)
  - Condition of the asymptotic equality of total cross sections in two simple models, 25:30769
  - Elastic and inelastic processes at high energies with emission of produced particles in region of Orear angles, 23:36866
  - Elastic and nonelastic processes at high energies with scattering, at Orear's angles, of the particles produced, 23:44607 (IFVE-STF-68-68)
  - Equal-time equation for two-particle system in quantum field theory, 25:20077
  - Fast-particle scattering on Coulomb and short-range potentials, 25:5438
  - Forward scattering amplitude behavior at high energies, 25:5349 (IFVE-STF-69-74)
  - Hypothesis on peripherism of the scattering and particle production processes at high energies correlated with unitarity condition in s-channel, 25:25339 (IFVE-STF-70-7)
  - Intermediate states in the t-channel of the reaction and radius of strong interactions, 23:21090 (IFVE-STF-68-54-K)
  - Intermediate states in the t-channel, 23:42646
  - Model of multi-particle production, 25:50080 (IFVE-STF-70-62)
  - Oscillatory levels of a particle as a result of strong interaction with the field, 25:45725 (JINR-E2-5850)
  - Peripheral processes of particle scattering and production at high energies, 25:25348
  - Scattering as a stochastic process at high energies. I, 24:13182 (IFVE-STF-69-20)
  - Scattering as stochastic process at high energies. II, 24:13183 (IFVE-STF-69-21)
  - Scattering at high energies as a stochastic process, 25:45721 (ITF-70-99, pp 97-101)
  - Scattering of high-energy particles on smooth potentials, 23:3828 (IFVE-STF-68-19-K)
  - Second Born approximation for phase scattering on smooth potentials, 24:52232
  - Semi-phenomenological analysis of scattering amplitude at high energies, 24:8621
  - Semiphenomenological analysis of scattering amplitude at high energies, 23:10868
  - Short-range nuclear forces and high-energy cross section behavior, 24:49439
  - Solution of the unitarity equation for the elastic scattering amplitude at high energy, 25:5423 (IFVE-STF-69-65)
  - Solution of the unitary condition for the spin particle scattering amplitude, 25:25338 (IFVE-STF-70-1)
  - Solution of unitarity condition for the elastic scattering amplitude for high energies, 25:3451 (ITF-70-49)
  - Solution of unitarity condition for two-particle process amplitude at high energies, 25:5355
  - Solution on the unitarity relation for scattering amplitude of particles with spin, 25:14590
  - Two-particle processes at high energies in the Orear region, 24:8618
  - Two-particle reactions at high energies in region of Orear transfers, 24:10734 (IFVE-STF-69-17)
  - Unitarity condition for elastic scattering amplitude at high energies, 24:30592
- KHRUSTALEV, S. A. Delayed response of hemopoietic tissue to protons and x irradiation combined with acceleration, 21:20358
  - Hematologic and cytogenetic study of canine leukemias, 25:2008 (LF-tr-44)
  - Remote reactions of hematopoietic tissue to proton and x-ray irradiation in combination with G-forces, 23:35868 (AD-682794)
- KHRUSTALYOV, G. Yu. Contracted high-frequency discharges in argon, 22:50139
- KHRUSTSEL, Edvard Bore-hole neutron generator, 22:28189
- KHRUSTSELEVSKAYA, G. V. Structure of magnetic heterogeneity flows from sun, 23:46224
- KHRYASTOV, N. A. Research and training reactor IR-100, 21:21778
- KHRYLIN, B. A. Calculation of exitation energy for cluster levels in nuclei, 24:1793
  - Calculations of hypernuclei by means of K-harmonics method, 25:43652
  - Distribution of nucleons in nuclei, 22:14093
  - Estimate of ΛN interaction in p state, 25:12226
  - Interaction (ΛN and $\Lambda\Lambda$) and structure of hypernuclei, 23:42694
  - Interactions ΛN and $\Lambda\Lambda$ and structure of hypernuclei, 23:27824
  - Low energy Λ-^4He scattering, 25:33779
  - Λ-hyperon—α-particle scattering, 25:45772
- KHRYNKEVICH, A. Z. Effective resolving time in coincidence measurements on the cyclotron beam, 21:4141 (JINR-E13-2926)
  - Magnetic moment measurements for short-lived nuclear states, 23:4046 (JINR-E3-4062)
- KHRYPCHANKA, I. P. Activity of cholinesterase in subcellular fractions of the brain during x irradiation, 22:51375
  - Cholinesterase activity in brain of white rats following x irradiation, 25:35232
  - Radiation-induced change of enzyme activity during blocking of the adrenal cortex, 25:57929
- KHUBCHANDANI, P. G. Extended ring summation for a classical electron gas, 24:3380
  - Field theory technique as applied to electrons in external field, 22:5466 (BARC-292)
  - Variational function for ground state of H_2^+, 22:9015
  - Variational function for H_2^+ (first excited state), 22:24059
- KHUBUA, D. I. Possibility of experimental separation of direct emission processes and bremsstrahlung of γ-quantain K^+-meson radiative decays, 22:13713 (JINR-P1-3594)
- KHUDAIBERDYEV, R. I. Effect of ionizing radiations on development of lymphatic collaterals, 25:21861
  - Venous and lymphatic channel under ionizing radiation, 25:32561
- KHUDAIBERGANOV, U. Radioactive method for determining indium and gallium in water, 25:44346
- KHUDAIBERGENOV, U. Radioactivation determination of Se, Te, and Au in natural waters, 25:57370
- KHUDAVERDYAN, A. G. Cross sections of nuclear fission by photons with up to 5 GeV energies, 25:34076 (KHFTI-70-27)
- KHUDAYBERDYIEV, R. I. Transformation of venous bed after disruption of blood outflow during acute radiation sickness, 24:36832
- KHUDOIBERGANOV, U. Activation method for zinc determination in igneous rocks, 24:18923
- KHUDOKLIN, A. Radiation asymmetry and NMR of β-active nuclei, formed during capture of polarized thermal neutrons, 21:31739 (ANL-Trans-476)
  - Radiation asymmetry and nuclear magnetic resonance of the β-radioactive nuclei produced by capture of polarized thermal neutrons, 22:5854
  - Relaxation and nuclear magnetic resonance of polarized β-active nuclei, 21:33907
- KHUDOKORMOV, D. N. Graphitization in the annealing of pure high-carbon alloys with additions of boron and aluminum, 24:4843
- KHUDYAKOV, A. V. Estimation of the radiation resistance of beryllium oxide at various temperatures, 25:30016
  - Gas swelling of irradiated beryllium oxide, 24:42290
  - Growth rate of helium pores in irradiated beryllium oxide during annealing, 25:32862
  - Porosity in irradiated BeO during annealing, 25:52475 (JPRS-53800, pp 280-91)
  - Post-irradiation BeO recovery annealing, 24:4861
  - Radiation damage of various types of artificial graphites, 25:52476 (JPRS-53800, pp 292-306)
  - Study of radiation resistance of BeO at 100°C, 22:41662
- KHUDYAKOV, S. V. Quasiclassical approximation in the inverse scattering problem, 25:53369
  - Quasiclassical scattering in a central-symmetric field, 23:52029
  - WKB method for three-dimensional problems, 23:23573
- KHUDYAKOV, V. L. Gas-chromatographic separation of isotope-substituted carbon hydrides, 22:51053
- KHUDYAKOVA, L. N. Preparation of fast neutrons by means of autoion emission and surface ionization of deuterium in strong electric fields, 23:3519
- KHUKHAREVA, I. S. Effect of dispersed precipitation on the critical current density in zirconium—niobium alloys, 22:31748
  - Effect of O on the structure and superconducting properties of Zr—Nb alloys, 22:6994
  - Effects of oxygen additives on the structure and superconducting properties of Zr—Nb alloys, 21:43636
  - Resistance behavior of superconducting alloy of Nb + 80 percent Zr in region of H/sub c2/, 25:30412 (JINR-P8-5733)
  - Superconducting properties of alloys of Zr with 20 to 25 percent Nb, 21:9510

Surface uhf resistance of Type-II superconductors, 24:15199 (JINR-P8-4785)
KHULLER, G. K. Ornithinyl ester of phosphatidylglycerol of Mycobacterium 607, 24:23402
KHULUBEI, V. Mechanism of ^{239}Pu fission by muons, 23:3997 (JINR-P1-4051)
Stabilization system for a multidetector scintillation spectrometer, 23:33480
KHUNDENSKII, Yu. K. Mechanism of energy transfer from aromatic compounds to rare earth ions, 22:16461
KHUNDZHUA, T. G. Distribution of radioactivity in the atmosphere, 24:7839
Measuring the natural radioactivity of the free atmosphere, 25:23800
Radon concentration of the ground layer of the atmosphere in relation to meteorological factors, 22:30726
Regularities of distribution of the products of radon decay high in the atmosphere and the value of vertical turbulent diffusion, 24:27245
Regularities of the distribution of radon decay products according to the atmosphere altitude and the magnitude of vertical turbulent diffusion, 23:40884
Results of observations of radioactivity and electric field of atmosphere and clouds in eastern pass of Georgia, 21:34339
Vertical distribution of the natural radioactivity in the free atmosphere at the mean cloud level, 22:37882
KHURGIN, B. Moessbauer effect studies of the 74.5-keV level of ^{161}Dy, 22:20593
Recoilless absorption measurements of 25.6-keV gamma rays of ^{161}Dy, 25:3222
Spin relaxation phenomena in Moessbauer spectra of Dy compounds, 24:21894
KHURI, N. N. Bjorken limit and Jin—Martin lower bound, 25:3294 (NYO-4204-5)
Bjorken limit and Jin—Martin lower bound, 25:14827
New consistency conditions on pion—pion amplitudes and their determination to fourth order in external momenta, 21:15330
Possibility of infinite sequence of Regge recurrences, 21:29643
Regge-pole contributions and crossing symmetry, 23:15204
Rigorous properties of amplitudes at high energies, 24:20240 (BNL-50212, pp 73-120)
KHURI, N.N Derivation of Veneziano series from Regge representation, 24:8748
KHURSHUDYAN, L. S. Fast detector of a relativistic charged particle passage, 25:26513
KHURTOVA, L. N. Determination of Mo with diacetyl, thiourea, and stannous chloride, 22:33235
KHUSAINOV, A. Kh. Gamma spectrometers with germanium detectors, 22:14798
Gamma spectrometry based on germanium detectors, 21:28218 (ORNL-tr-1651)
Gamma spectrometry on basis of Ge irradiated with neutrons, 23:33490
Preparation of stable counters by means of compensating germanium with radiation produced structural defects, 22:40386
Role of electric field inhomogeneities in semiconductor nuclear radiation counters, 25:21529
KHUSAINOV, B. N. Thermal properties of Mo monocrystals at elevated temperatures, 23:3065
KHUSAINOV, Yu. A. Lifetimes of 1080-keV level of ^{115}In and 1300-keV level of ^{111}Cd, 25:31327
KHUSANOV, Kh. Electric conductivity of the lanthanium—cerium system, 23:8205
Electrical conductivity of light rare-earth metals La, Ce, Pr, and Nd in the solid and the liquid states, 24:6189
KHUSEINOV, F. Problem involved in the reactivity of glandular parenchyma of the adenohypophysis in mice surviving acute radiation disease under conditions of partial marrow screening, 23:12220
KHUSIDMAN, M. B. F centers in hexagonal BN enriched with ^{10}B, 22:50254
Investigation of an irradiated hexagonal nitride, 24:10199
Investigation of irradiated boron nitride by electron paramagnetic resonance, 21:35993
Mechanism of the phase transition in boron nitride, 25:42994
KHUSNUTDINOVA, G. I. Immediate results of treatment of bone sarcomas of limbs under conditions of local hypoxia, 24:34418
KHUSSAR, Yu. P. Radiation effects and recuperative processes in lymphoid tissue of thymus and lymphatic node of rats after incorporation of ^{144}Ce, 23:48214
KHUTORYANSKII, E. D. Effects of composition of hardfacing alloys on their hardness, 25:58235
Influence of composition of Fe—Co—W alloys on tendency to cracking during wear-resistant surfacing, 25:16470
KHUTSISHVILI, G. R. Forbidden transitions and discrete saturation in EPR lines, 23:23260
KHUTSISHVILI, L. A. Construction of portable accelerator tubes, 24:8794
Enhancing neutron output of sealed neutron tubes, 24:6807
KHVAN, G. V. Dose distribution of high-energy electrons in tissue-equivalent media, 25:55214
Electron therapy of tumors, 24:50912
KHVASHCHEVSKA, I. Decay properties of ^{251}Fm and ^{255}Fm, 21:33961 (JINR-E6-3386)
KHVASHCHEVSKA, Ya. Application of semiconductor detectors in x-ray fluorescence analysis, 22:19096 (INR-820/II/PS)
Application of semiconductor detectors in x-ray fluorescence analysis, 23:4800 (ANL-Trans-631)
Coaxial Ge detectors of γ radiation, 24:22985 (INR-P-1161)
KHVASTUNOV, M. S. Lorentz-factor as a tool to identify resonances, 23:1635
Method to identify resonances, 22:5593
One method of resonance identification, 21:21202 (JINR-P1-3164)
π^-p → etan cross section in small transfer range at 4 GeV/c, 24:26378
Spark chambers with 10-cm gap in apparatus for investigation of resonance radiative decay, 22:38090
KHVASTUNOV, V. M. Absolute measurement of the elastic scattering of 100 and 200 MeV electrons on the ^{12}C nucleus, 21:17307
Charge and mass distribution radii of nuclei, 23:13277
Design of magnetic spectrometer for particles with momentum up to 400 MeV/c, 21:10669
Determination of transition matrix elements of ^{28}Si from experiments on inelastic electron scattering, 22:5805
Efficiency of secondary emission monitor, 21:6282
Elastic and inelastic high energy electron scattering on nuclei ^{28}Si, 23:8957
Elastic and inelastic scattering of high-energy electrons by ^{23}Na and ^{39}K nuclei, 23:42876
Elastic electron scattering on $^{58\ 60\ 64}$Ni and $^{112\ 118}$Sn isotopes, 24:38186
Elastic scattering of 225-MeV electrons on the ^{139}La nucleus, 21:38338
Elastic scattering of electrons with energy 225 MeV on nucleus ^{139}La and nuclear radius, 22:14061
Electroexcitation of low-energy collective states in isotopes of $^{58\ 60\ 64}$Ni, 23:46966
Electron elastic scattering on isotopes $^{58\ 60\ 64}$Ni, 24:1795
Electron elastic scattering on Ni and Sn isotopes, 23:5849
Electron scattering (225-MeV) from the nuclei ^{89}Y and ^{93}Nb, 21:31766
Excitation of giant resonance in ^{28}Si by inelastic electron scattering, 22:22567
Excitation of giant resonance in Ni isotopes by means of high energy electrons, 23:28287
Excitation of gigant resonance in ^{32}S by electron scattering, 24:13344
Form factor of the 17.5-MeV level of nucleus ^{28}Si, 23:28282
Giant resonance electroexcitation in ^{28}Si, 22:50578
High energy electron scattering on isotopes ^{24}Mg and ^{26}Mg, 25:1734
High-energy electron scattering by ^{23}Na, 23:7280
High-energy electron scattering by nuclei ^{24}Mg and ^{28}Si and α-particle model, 22:44633
Inelastic scattering of electrons on carbon, 23:39970
Inelastic scattering of electrons with excitation of first 2^+ states of ^{58}Ni and ^{64}Ni, 23:21305
Levels of ^{24}Mg by means of electron scattering, 23:42877
Magnetic spectrometers for particles with up to 400 MeV/c pulses, 21:6250
Recording spectra of particles with momenta up to 400 MeV/c with a magnetic spectrometer, 22:8375
KHVEDELIDZE, N. S. Cyclic fluctuations of secular geomagnetic field variations at Tbilisi, 21:46239
KHVOROSTININA, N. M. Oxidation of Zr—2 percent Nb alloy, 25:6828 (AEC-tr-7200)
Oxidation of Zr—Nb 2 percent alloy, 23:43949
KHVOROSTYAN, V. M. Formation system and beam parameters of gamma quanta from a 2 GeV electron accelerator, 24:45702
Operation of a 34-cm freon bubble chamber in the photon beam of a 2-GeV electron linear accelerator, 25:21434
Polarization of protons produced in interactions between photons 650- to 840-MeV photons and ^{7}Li and ^{12}C nuclei, 24:30709
KHVOSTIKOV, J. A. Fluorescence of tetracyanoplatinates, 25:10378 (SC-T-70-4052)
KHVOSTIONOV, V. E. Radiation of Hg—^{3}He gas mixture bombarded by a neutron stream, 25:468
KHVOSTOVA, V. A. Rarer-element distribution in metamorphic conglomerates of the Urals, 24:14056
KHVOSTOVA, V. P. Methods for the analysis of natural materials containing ruthenium and osmium, 25:12939
Spectrophotometric determination of small amounts of ruthenium and osmium in minerals and industrial samples, 25:28960
KHVOSTOVA, V. V. Comparative study of effect of certain chemical and physical mutagenic factors on barley seeds, 22:21490
Composition of protein in radiation-induced varieties of lupin and spring wheat, 25:24106
Content of ^{90}Sr, Ca, and Sr units in seeds of wheat hybrids, 25:55223
Metaphase analysis of chromosome rearrangements in barley, 25:55175
Mutability of Vicia faba under effect of gamma rays and chemical agents, 22:21491
Present state of mutation breeding in USSR, 25:4489
Radiosensitivity of induced pea mutants, 23:31698
Use of ionizing radiation in plant breeding carried out in USSR, 25:52020 (A/CONF.49/P-844)
KH'YUSH, E. Radiostars, 23:12484
KIAMKO, Rosario T. Hypoparathyroidism following ^{131}I therapy for hyperthyroidism, 22:47618
Myxedema: occurrence after ^{131}I treatment of hyperthyroidism, 22:38445
KIANG, A. K. C. Experiment to compress polarized ^{3}He gas, 25:31077
Large-volume homogeneous low-field electromagnet, 25:31071
KIANG, D. Baryon octets and N*/sub 1/2/ (1400), 22:29704
Duality and crossing symmetry of Veneziano model, 23:46703
Effect of velocity dependence in nucleon—nucleon interactions, 21:19309
Electromagnetic radii and Coulomb energy of ^{3}He, 22:3776
Expansion of the scattering amplitude at high energy, 24:35715
Muon—proton scattering and possible anomalous interaction of the muon, 25:3324
Nuclear forces in many-body systems, 21:46803
OBEP interaction and nuclear matter, 22:20752
One-boson-exchange potential and nuclear matter, 22:37384
Pion electromagnetic form factor in Veneziano-type representation, 24:37694
Pole dominance calculation of πK scattering lengths, 25:14687
Positivity conditions for Veneziano amplitude, 23:39703
πK scattering length and background term in Veneziano model, 23:36911
Relationship between nonlocal and velocity-dependent potentials, 25:45621
Superconvergence relations and possible new resonances pion—baryon scattering, 23:15117
Velocity-dependent potentials in the Heisenberg picture, 23:42991
KIANG, G. C. Coating thickness measurement by filtering backscattered beta particles, 24:2411
Preparation of thin targets, 23:24174
Reaction ^{24}Mg(d,α)^{22}Na at low energies, 25:36701
KIANG, Hsiao S. Natural expansion of a many-electron wave function, 22:15349
KIANG, R. Blast-closure valves, 21:10872 (NP-16458)
KIANG, T. Distribution in space of clusters of galaxies, 23:32120
Jets and filaments in Haro's violet galaxies, 22:801
Possible dates of birth of pulsars from ancient Chinese records, 23:41826
Random fragmentation in two and three dimensions, 21:3579
KIANIAN, Kianpour Developments in the dichromatic attenuation technique for the determination of bone mineral content in vivo, 25:46368 (COO-1422-97)
Three models of vibrating long bones, 25:54355 (COO-1422-104)
KIASASHVILI, G. D. Pneumatic loading and unloading of channels for irradiation in IRT-M reactor, 25:57130
KIBA, Toshiyasu Determination of rhenium in molybdenite by neutron-activation analysis, 21:10274
Silica gel as support for inorganic ion-exchangers for determination of ^{137}Cs in natural waters, 25:4033
KIBARSKA, T. Biochemical activity of anastomose Aspergillus niger strains influenced by x rays, 25:42363
Biochemical activity of Asp. niger under effects of x-rays, 25:27094
Combined action of ethyleneimine and x rays on Aspergillus oryzae, 25:13381
KIBBEY, A. H. Aqueous-phase decomposition of tributyl phosphate at 35 to 75°C in nitric acid solutions, 24:43995 (ORNL-TM-3062)
Determination of urinary constituents in solutions by least-squares resolution of ultraviolet spectra, 22:44955 (ORNL-4232)
Improving strontium removal from solution by controlled reflux foam separation, 21:30508
Laboratory studies of electrolysis of water, 21:5845 (ORNL-TM-1716)
Nuclide concentrations in solutions containing low levels of radioactivity by least-squares resolution of the gamma-ray spectra, 21:2999
KIBBEY, E. E. Molybdenum in Nb—C alloys, 24:42150
KIBBLE, B. P. Effect of imprisonment of radiation in sodium vapor on the measured lifetime of the 3 ^{2}P states, 21:11446
Inelastic collisions between excited alkali atoms and molecules. II, 21:33153
KIBBLE, T. W. B. Broken symmetries and Goldstone theorem, 23:13115
Coherent soft-photon states and infrared divergences. I, 22:34902
Coherent soft-photon states and infrared divergences. II, 22:50452
Coherent soft-photon states and infrared divergences. III, 23:3802
Coherent soft-photon states and infrared divergences. IV, 23:5677
Goldstone theorem, 22:17980
Some applications of coherent states, 22:46372
Symmetry breaking in non-Abelian gauge theories, 21:25344
KIBBY, Charles L. Kinetic isotope effects in the reaction of trifluoromethyl radicals with hydrogen, 21:14175 (BNL-10850)
Photolysis of hexafluoroacetone in presence of H_2, D_2, and HD, 23:7519
KIBBY, P. M. Distribution of Cs, Rb, and K isotopes in the dog, 24:44412
Effect of collimator resolution on the detection of lesions in brain scanning, 22:49417
Single and double headed detector systems for scanning, 23:38262
KIBILDA, Z. A. Determination of natural radiocarbon β-activity with liquid scintillation techniques, 22:19142
KIBKALO, Yu. V. Deuteron vector polarization in elastic scattering on ^{9}Be, ^{11}Be, and Ti nuclei, 25:53622
Polarization of deuterons elastically scattered on carbon, 22:35245
Vector polarization of elastically scattered deuterons, 25:53645
KIBLER, George K. Prog. rpt. on radiation effects on body fluids, final, 12/15/65, 21:39319 (AD-631232)
KIBLER, J. D. Reconnaissance gravity survey of Rat Islands, with emphasis on Amchitka Island, Alaska, 24:7508 (USGS-474-49)
KIBLER, K. G. Angular distributions and total cross sections of charged particles from ^{6}Li + ^{6}Li as a function of energy, 21:9943
Differential and total cross sections of reaction products from ^{7}Li + ^{6}Li between 3.78 and 5.95 MeV, 21:23430
Proton—proton bremsstrahlung at 3.2 MeV, 22:48269
KIBLER, Kenneth G. Cross sections of reaction products from ^{6}Li + ^{6}Li reaction between 2.4 and 9.0 MeV, 21:42572
KIBOKU, Mitsuo Thin-layer chromatographic separation of diethyldithiocarbamate chelates, 22:35900
KIBRICK, A. C. Prolylhydroxyproline in urine, 23:13653

- KICE, John L. Acid- and nucleophile-catalyzed ^{18}O exchange of phenyl benzenethiolsulfinate. New insight into the chemistry of sulfenic acids and sulfenyl derivatives, 24:41263
  - Mechanism of the acid hydrolysis of sodium aryl sulfates, 21:4513
  - Mechanism of the acid hydrolysis of Bunte salts (S-alkyl and S-aryl thiosulfates), 21:4514
  - Mechanisms of reactions of thiolsulfinates (sulfenic anhydrides). I, 21:34268
  - Mechanisms of substitution reactions at sulfinyl sulfur. II, 21:4512
- KICHENASSAMY, S. Null electromagnetic fields in algebraically special Petrov type spaces, 23:17000
  - Polarization of monochromatic light in Riemann space, 22:52908
  - Relativity and quanta, 24:20222
  - Remarks on the present state of general relativity, 22:13854
- KICHIGIN, G. N. Dense-plasma pulsed thermonuclear facility, 24:49198
  - Implosion of a metal liner by the action of a magnetic field, 21:11599
  - Ion shock waves in a collisionless plasma, 25:36106
  - Observation of oblique ion waves excited by an ion stream, 23:32542
  - Plasma expansion in vacuum and the flow of a collisionless plasma stream around a plate, 25:14265
  - Production of pulsed megagauss fields by compression of metallic cylinder in Z-pinch configuration, 22:31782
  - Pulsed thermonuclear system with a dense plasma, 22:17612 (MATT-Trans-50)
  - Pulsed thermonuclear system with dense plasma, 22:15505 (IIF-LA-4)
- KICHIMI, H. Wide-screen type measuring projector, 24:27409 (SJC-T-69-3)
- KICHISHIMA, Uichi Radiation monitoring system, 24:488
- KICKAWA, Sumihiro LD50/30 of mice by sieve irradiation, 23:20386
- KICOVIC, E. Conference on electronics and automation, Herceg Novi, Yugoslavia, 6/68, 23:41144
- KIDA, Nobuo Development of a mechanical sodium pump for liquid metal cooled fast breeder reactors, 25:15825
- KIDD, Charles Clifton Sr. Pontoporeia affinis as monitor of radioactivity, 25:49126
- KIDD, E. M. Telecommunications and information systems at CTC, 25:6200
- KIDD, G. J. Jr. Effects of loss-of-coolant accidents in ORNL tower shielding Reactor II, 24:26810 (ORNL-TM-2853)
  - Heat transfer and fluid dynamic characteristics of rod-cluster-type nuclear reactor fuel elements, 24:26774 (ORNL-4356)
  - Heat transfer and pressure-drop characteristics of gas flow inside spirally corrugated tubes, 24:44201
  - In-pile heat transfer studies of roughened helium-cooled reactor fuel elements, 21:40678 (ORNL-P-3202)
  - In-pile heat-transfer studies of roughened helium-cooled reactor fuel elements, 22:5941
  - In-pile heat-transfer studies of roughened helium-cooled reactor fuel elements, 22:22725
  - Potential vortex flow adjacent to a stationary surface, 22:33597
  - Potential vortex flow adjacent to a stationary surface, 22:42391 (ORNL-TM-2262)
  - Study of vortex flow, 23:17675 (CTC-7)
  - Theoretical and experimental study of confined vortex flow, 23:33318 (CTC-INF-546)
- KIDD, J. Bubble chamber study of proton—proton interactions at 4 GeV/c. I, 21:27386
  - Bubble-chamber study of proton—proton collisions at 4 GeV/c. II, 23:3640
- KIDD, J. M. Charge spectrum of extremely heavy cosmic rays, 25:19532
  - Charge spectrum of very heavy cosmic-ray nuclei, 22:1025
  - Charge spectrum of very heavy cosmic-ray nuclei, 24:42543
  - Interactions at very high energies, 22:3461
- KIDD, Richard L. Sunburn effect on keratinosomes, 24:27705
- KIDD, William C. Heights of ionsopheric irregularities at a sub-auroral latitude, 24:45125
- KIDDER, R. E. Application of lasers to the production of high-temperature and high-pressure plasma, 22:29528
  - Large aperture glass disc laser system, 22:39080 (UCRL-70849)
  - Use of long-wavelength, high powered lasers for controlled thermonuclear fusion, 25:59054 (MATT-782)
  - Use of long-wavelength, high-powered lasers for controlled thermonuclear fusion, 25:38450 (CONF-710607-48)
- KIDDER, Ray E. Application of lasers to production of high-temperature and high-pressure plasma, 21:33470 (UCRL-70501)
  - Interaction of intense photon and electron beams with plasmas, 23:36705 (UCRL-71775)
  - WAZER: one-dimensional, two-temperature hydrodynamic code, 23:34401 (UCRL-50583)
- KIDIN, I. N. Measurement of concentration of oxygen dissolved in tantalum, 25:6862
  - Measurement of the concentration of oxygen dissolved in tantalum, 25:35339 (ORNL-tr-2479)
  - Mechanical properties of alloy VN-2, 23:51047
- KIDMAN, R. B. Analysis of critical experiments using version II of the evaluated nuclear data file, 24:33438
  - Cross section structure factor interpolation schemes, 25:31647 (HEDL-TME-71-40)
  - ETOX: code to calculate group constants for nuclear reactor calculations, 23:31231 (BNWL-1002)
  - Fuel management models and analysis for the FTR, 24:7211
  - Group constants for fast reactor calculations, 25:28657 (HEDL-TME-71-36)
  - Resonance cross shielding in reactor analysis, 25:1954 (BNWL-1509)
- KIDNEY, R. Energy levels of ^{18}Ne, 24:43165
  - Evidence for alpha clustering in heavy nuclei, 24:43440
- KIDNEY, R. J. Energy levels of ^{18}Ne, 25:5587
- KIDO, Choichiro Effect of ^{60}Co irradiation on the central nervous system, 21:45793
  - Radiological study on Thorotrast liver, 24:44614
- KIDO, Hiroaki Chemical effects associated with the β-decay process. V, 24:44057
- KIDO, Hiroshi X-ray thickness gage, 21:43296
- KIDO, K. Effect of a nucleotide mixture on the depression of DNA synthesis by ionizing radiations in regenerating mouse liver, 21:8854
- KIDO, T. Irradiation test of the Sumitomo test assembly, 24:14970
- KIDO, Tatsuro Method for producing U—UC cermets, 21:26889
- KIDO, Tetsuji Effect of x-irradiation on Dugesia japonica, 24:46649
- KIDO, Yasumasa Chemical and hygienic studies on natural radioactive spa. IV, 25:4711
  - Chemical and hygienic studies on natural radioactive spa. III, 25:13470
  - Chemical and hygienic studies on natural radioactive spa, 25:26743
  - Gamma spectra of some γ-emitting nuclides used as active ingredient of radiopharmaceuticals, 23:33243
  - Protection standards on radioactive contamination of food and drinking water in Japan, 25:42482
  - Strontium-90 and ^{137}Cs in rain water during 1962—64, 23:848
  - Strontium-90 in stock rainwater for drinking sampled at some lighthouses during 1963, 21:8462
- KIDRON, A. Atomic displacements in irradiated equiatomic Ag—Au, 21:28802
- KIDRON, N. Proton—proton interactions at 5.5 GeV/c, 21:18904
- KIDSON, G. V. Defects in quenched zirconium, 24:8120 (AECL-3428)
  - Defects in quenched zirconium, 24:21392
  - Mechanism of diffusion in beta Zr, beta Ti, and gamma U, 21:24778
  - Self and solute diffusion in Zr. II, 24:6204
  - Self and solute diffusion in Zr. I, 24:8094
- KIDWAI, A. Pakistan goes nuclear, 25:10098
- KIDWAI, H. R. Caculation of the nucleon—nucleus optical potential, 25:46120
- KIEFER, H. Annual report 1970, 25:37823 (KFK-1365)
  - Catastrophic protection training at Gundremmingen nuclear power plant, 24:28936 (CONF-690540-, pp 261-72)
  - Control of the radioactivity in waste water and exhaust air. II, 23:35011
  - Demonstration of plutonium incorporation by direct measurement, 22:49343
  - Experience acquired from incidents with transuranium elements, 25:37822 (EUR-4612, pp 585-93)
  - Measurement of fission iodine after reactor accident, 23:34912
  - Nuclear emergency assistance team, 24:7884
  - Personal dose burden caused by nuclear research centers, 25:52061 (A/CONF.49/P-395)
  - Practical uses of depth-dose measurements in silver-activated phosphate glass dosimeters, 24:27426 (CONF-690540-, pp 490-500)
  - Prog. rpt. of the Radiation Protection and Safety Department, annual, 1969, 25:2570 (KFK-1158)
  - Radiation protection dosimetry, 25:24164
  - Radiation protection of personnel against applications of nuclear energy in industry and medicine, 23:6463
  - Radiation quality and exposure of x-rays from depth dose distribution in silver-activated phosphate glasses, 23:29235
  - Study of propagation of atmospheric pollutants with the aid of tritium, 24:41450
  - Use of a differential read-out method for phosphate glass in personal dosimetry, 25:32274 (KFK-1323)
  - Whole-body counter, 21:12647
- KIEFER, H. M. Noninvariance group for Dirac Coulomb problem, 23:32783
- KIEFER, Hans Annual doses determined with stationary and personnel dosimeters at Nuclear Research Center, Karlsruhe, 24:23197
  - Dose problems and possibilities following a nuclear catastrophe, 23:20186 (CONF-680507-, pp 170-4)
  - Large-surface proportional counter, 21:12630 (KFK-411)
  - Monitoring the radioactivity in waste water and exhaust air, 22:4288
- KIEFER, Harold M. Invariance and conservation laws for a classical relativistic particle, 24:22004
- KIEFER, J. Beta-ray split-dose recovery in diploid yeast in hypoxic conditions, 23:43912
  - Effect of split-dose uv irradiation on diploid yeast, 24:34767
  - Effects of caffeine on sensitivity to ultraviolet light of HeLa cells, 25:4607
  - Incidents that occurred to the reactor of the Ardennes nuclear power plant, 25:53948 (A/CONF.49/P-575)
  - Influences of culture temperature on the x-ray sensitivity of barley roots, 21:13065
  - Interpretation of split-dose survival data, 24:14569
  - Ultra-high dose-rate β-ray irradiation of diploid yeast, 24:34747
  - Warburg respirometer for measurements under continuous irradiation, 24:16935
- KIEFER, John H. Classical isotope effect in vibrational relaxation, 22:23014
  - Density change on vibrational relaxation in shock-heated hydrogen and deuterium, 21:3666
- KIEFER, Juergen Recovery from sub-lethal uv damage in yeast, 22:36403
  - Sparing effect of uv- and x-ray-dose-fractionation in starved diploid yeast, 25:39954
  - Ultra-high dose rate survival experiments, 24:44416 (EUR-4452, pp 779-86)
  - X-ray effects on barley roots. II, 21:20429
- KIEFER, R. J. Crossflow calculation for the Fort St. Vrain nuclear reactor core, 24:52744 (GAMD-9984)
- KIEFER, R. L. Isomer ration of /sup 137m/Ce to /sup 137g/Ce produced in several charged-particle reactions, 22:50609
  - Relative yields of /sup 58g/Co, /sup 58m/Co, and ^{56}Co produced by low-energy tritons, 23:19205
- KIEFER, Richard Production of ^{32}P and ^{33}P with 550-MeV protons, 24:52510
- KIEFER, W. Decay of 3.2-hr cadmium-117m and 2.4-hr cadmium-117g, 24:22137 (CONF-680461-3)
  - Resonance Raman effect in MnO$_4^-$ with 5145 A laser excitation, 25:29047
- KIEFER, W. M. Fitting nuclear capacity into utility planning, 25:18067
  - Scheduling generation on systems with fossil and nuclear units, 25:5896
- KIEFFABER, Lois M. Twilight flash of sodium, 25:35971
- KIEFFER, Arthur W. Analytic study of an electric stepping motor drive for a nuclear reactor control drum, 25:60193 (N-71-26979)
  - Operating characteristics of primary flow loop of a conceptual nuclear Brayton space power plant, 25:46314 (N-71-18866)
  - Transfer function determination of primary loop of a conceptual nuclear Brayton space power plant, 25:44168 (N-71-17933)
- KIEFFER, Bernhard F. Systems Mo—Re—Nb and Mo—Re—Ru, 23:22529
- KIEFFER, F. Deferred luminescence at 4.2K in an organic glass, 25:52921
  - Deferred luminescence in organic solids after γ-irradiation, 23:47549
  - Deferred luminescence spectra of some aromatic compounds in rigid organic media, 25:29150
  - Delayed luminescence in molecular solids, 25:154
  - Radiophotoluminescence of biphenyl in methylcyclohexane glass, 21:42990
- KIEFFER, Fernand Products formed by irradiation of solid chlorotriphenylmethane, 24:2240
- KIEFFER, J. Diffusion of gaseous effluents from a nuclear center, 23:12105
  - Mechanical failures in Chooz reactor, 24:43632
  - Repair of the chooz reactor, 25:39177
  - Study of compression of dense media using radiography, 24:36114 (LA-4425-TR)
  - Ultra-rapid radiographic study of shock waves generated in liquid argon, 25:46379 (LA-tr-71-61)
- KIEFFER, Jean High pressures: certain results of the compression of water in a shock wave, 25:46380 (LA-tr-71-62)
- KIEFFER, L. J. Angular distribution of O$^-$ from dissociative electron attachment to O$_2$, 25:9221
  - Angular distribution of protons and deuterons produced by dissociative ionization of H$_2$ and D$_2$ near threshold, 24:51448
  - Dissociative ionization of H$_2$ and D$_2$, 21:33203
  - Energetic ions from N$_2$ produced by electron impact, 21:20750
  - Low-energy electron-collision cross-section data. I, 24:4993
  - Total electron—atom collision cross sections at low energies: a critical review, 25:55856
- KIEFFER, Paul C. Variable conductivity fully developed MHD channel flow, 21:37257 (ARL-67-0046)
- KIEFFER, R. About nitrides and carbonitrides and nitride-based cemented hard alloys, 25:55629
  - Autoclaves for powder-metallurgical products, 23:36249
  - Carbido-thermic production of high-melting metal alloys, with special reference to titanium alloys, 25:32662
  - Carbidothermic production of metals of the IVa, Va, and VIa groups and their alloys, 23:48371
  - Carbidothermic production of metals of the IVa, Va, and VIa groups and their alloys, 24:4758
  - Corrosion behavior of IVa, Va, and VIa metals as well as Re, 23:10164
  - Corrosion research on Nb—Ta alloys, 23:6643
  - Corrosion resistance of the transition metal silicides, 23:46103
  - Deoxidation of sintered molybdenum with carbon, boron, and silicon, 23:6656
  - Fundamentals and recent developments in the field of hard materials of metallic and nonmetallic origin, 24:39705
  - Influence of substoichiometric carbon contents of carbide phase on properties of TiC—Mo$_2$C—Ni refractories, 25:35559
  - Investigations on cermets of ThO$_2$—Ni and ZrO$_2$—Mo, 25:2796
  - Miscibility of cubic multicomponent carbides, 22:43653
  - NbC- and HfC-containing ceramics and refractory metals, 24:27880
  - NbC- and HfC-containing cermets and cermeted carbides, 23:34113
  - New development directions in powder metallurgy, 21:13133
  - New developments in the field of cermets, 23:51128
  - Phase diagrams of systems VC—ZrC and VC—HfC, 22:49850
  - Physical and corrosion-chemical behavior of IVa metal alloys, 23:10163
  - Preparation of Nb and Ta, 23:46023
  - Preparation of Nb and Ta by reduction of their pentachlorides using Zn, 24:33632
  - Production of mixed-carbides by auxilliary-metal-bath, 22:23863
- KIEFFER, Richard Carbidothermic production of metals of groups IVa, Va, and VIa, 23:16477
  - Principles and latest developments in the field of metallic and nonmetallic hard materials, 25:24631
  - Production of silicides of transition metals by the auxiliary metal bath procedure, 22:38614
- KIEFFER, Stephen A. Distribution and effects of intrathecal radioactive gold, 24:6120
  - Positive brain scans in fibrous dysplasia, 23:50666
  - Scinticisternography in individuals without known neurological disease, 25:42567

KIEFFER, V. A. Cardiovascular response of monkeys to supralethal doses of mixed gamma—neutron radiation, 25:49282 (AD-721698)
KIEFHABER, E. Calculation of reaction rate traverses, 25:23334 (EURFNR-874)
  Check of nuclear data and methods of calculation by integral experiments, 25:60036 (EURFNR-945)
  Comment on the calculation of neutron lifetime and material worth, 23:28599 (EURFNR-612)
  Consistent treatment of influence of new ^{239}Pu alpha values of nuclear characteristic quantities, allowing for Pu equilibrium isotopes composition (Pu/sub infinity/), 23:17187 (EURFNR-586)
  Consistent treatment of influence of new α-value on ^{239}Pu on nuclear size with consideration of Pu equilibrium isotopic composition, 23:52463 (KFK-846)
  Design and evaluation of a steam cooled fast breeder reactor of 1000 MW(e), 22:18525
  Evaluation of fast critical experiments by use of recent methods and data, 24:22506
  Evaluation of fast critical experiments using recent methods and data, 25:15387 (EURFNR-858)
  Group cross-section set KFK-SNEAK, 22:35627
  Group cross-section set KFK-SNEAK: preparation and results, 22:6092 (EURFNR-397)
  Reactivity coefficients of steam-cooled fast breeders, 22:5921 (EURFNR-398)
  Reactivity coefficients of steam-cooled fast breeders, 22:35556
  Systems analysis of a fast steam-cooled reactor of 1000 MW(e), 22:5924 (EURFNR-405)
  Systems analysis of fast steam-cooled reactor of 1000 MW(e), 22:35554
KIEFHABER, Edgar Calculation of neutron lifetime, 24:3827
  Check of nuclear data and methods of calculation by integral experiments, 24:33264
KIEFT, Lawrence John Vande Radiation effects in single-crystal ammonium bifluoride and sodium bifluoride, 23:31388
KIEFT, P. Induction of recessive lethals by ^{3}H-uridine and ^{3}H-thymidine in Drosophila, 24:31924
KIEGER, R. Hydrogen embrittlement of niobium—oxygen and niobium—nitrogen solid solutions at room temperature, 21:28773
  Room temperature behavior of group VA metals under H exposure, 24:12401
KIEGER, Roger Embrittlement of Nb by H at ambient temperature, 21:20502
KIEHLMANN, E. Kinetics and isotope effects in solvolyses of ethyl trifluoromethanesulfonate, 22:18770
KIEL, A. Electronic Raman effect in paramagnetic crystals: $CeCl_3$, 23:22680
KIEL, G. R. Considerations related to siting of the ARCO fuel reprocessing plant, 24:5719
  Criticality handbook, 24:16316 (ARH-600(Vol.2))
  Criticality handbook. I, 23:4458 (ARH-600(Vol.1))
  Safe ^{235}U enrichments for purex facility, 23:9500 (ARH-407)
KIEL, R. E. Continuum theory of electrostatic probes, 21:7193
KIEL, Roger Eugene Collisionless plasma flow fields, 21:18743
KIELANOWSKI, P. Asymmetry moments of angular distributions, 22:22380 (INR-P-868/VII/PH)
  Asymmetry moments of angular distributions, 22:24577
  Generalized statistical tensors and their applications, 25:47885
  Quark-model predictions for the measurable generalized statistical tensors, 25:14670
KIELANOWSKI, Piotr Non-dynamical parity test for unstable particles, 23:5592
  Relativistic quark-model predictions for the transversity amplitudes, 25:40972
KIELBASINSKI, J. Bibliography on isotopic and elemental composition of meteorites, 1947—1967, 22:47076 (NEIC-RR-32)
KIELBINSKA, S. Treatment of ovarian tumors, 21:36697
KIELICH, Par S. Tensor properties of molecules in intense static electromagnetic fields, 21:9299
KIELICH, Stanislaw Theory of multiphoton transition probabilities, 21:3969
KIELING, F. Separation of ^{131}I-insulin fractions resulting from radiation damage and study of their properties, 22:10718
KIELKIEWICZ, M. Application of Volterra functional series to kinetics of reactors, 23:17279
  Bounded positive solutions of nuclear reactor kinetics equations, 25:12845
  Periodic positive solutions of nuclear reactor kinetics equations, 25:12846
  Volterra functional series for reactors with linear feedback, 25:12843 (INR-1206) •
KIELKOPF, J. F. Preliminary analysis of spectrum of triply ionized Gd IV, 24:17646
KIELKOPF, John Francis Jr. Spectrum of triply ionized gadolinium, 24:17650
KIELSZNIA, R. Betatron 30 MeV, 23:25725 (INR-958)
  Radiographical control of thickwalled welds and castings by using of betatron, 25:57678 (INR-1204)
KIELTYKA, H. P. Impregnation of cellusosic materials with monomeric vinyl chloride, 22:48891
KIELY, F. M. Molecular beams of short lived radioactive nuclides, 25:33060
KIELY, F. Michael Reaction $^{25}Mg(p,2p)^{24}Na$, 25:45977
KIENBERGER, C. A. Automatic sample changer for the beryllium analyzer, 25:8220 (Y-1744)
  Determination of beryllium by gamma activation, 24:46199 (Y-1733)
  Electrodeposition of Th, Np, and Tc, 23:97 (K-1761)
  Electroless nickel plating for corrosion protection of uranium, 23:50987 (K-1777)
  Fabrication techniques for ^{6}LiF—Teflon and Pb shields for γ dosimetry, 24:7654 (K-1779)
  Formation of corrosion-resistant oxide film on uranium, 23:50988 (K-1778)
  Purification and pelletization of sulfur for neutron dosimetry, 22:12273 (K-1720)
  Thermistorized ebulliometry system for determining molecular weights of fluorocarbons, 21:32141 (K-1690)
KIENCKE, H. Behavior of erythrocyte kinetics of patients with panmyelopathy, 25:49247
KIENHOEFER, M. Decontamination of equipment and facilities at the Karlsruhe Nuclear Research Centre, 21:43432
KIENITZ, H. Modern analysis, 24:5602
KIENKO, L. D. Reactive changes in the neurosecretory nuclei of the hypothalamus and some gastric glands of dogs that had suffered from radiation sickness, 21:28649
KIENLE, Juergen Arm edema from mammary carcinoma, 21:45717
  Radioinduced skeletal changes in the region of the thorax after irradiation of mammary carcinomas, 22:36396
  Second- and third-look lymphography, 24:25534
KIENLE, O. Moessbauer isomer shifts and hyperfine splitting of 145.4 keV γ-rays of ^{141}Pr, 25:36344
KIENLE, P. Change of nuclear charge radii by collective excitations, 22:27192
  Change of nuclear radius in $K = 1/2$ rotational band of ^{169}Tm, 21:21542
  Chemical effects on isomer shift in ^{151}Eu, 22:49996
  Conduction-electron density at the nucleus in Sm and Dy metal, 23:5476
  Deformation in ruthenium nuclei, 24:43386
  Electromagnetic properties of the 69.6-keV level in ^{189}Os, 22:53214
  Isomer shift and quadrupole splitting in ^{191}Ir and ^{193}Ir, 21:44720
  Isomer shift and quadrupole splitting of the 2^{+}-rotational state in ^{174}Yb, 25:20399
  Isomer shift in ^{152}Sm, 21:27613
  Isomer shift of the 123-keV gamma rays of ^{154}Gd, 23:23711
  Isomer shifts of 81-keV γ line of ^{133}Cs, 22:9908
  Isomer shifts of 87- and 89-keV γ rays of ^{155}Gd and ^{156}Gd, 22:46775
  Level scheme of ^{198}Au, 24:43336
  Lifetime and magnetic moment of 36.2 keV level of ^{189}Os, 23:19317
  Magnetic field of the nucleus ^{193}Ir in compounds of Ir with rare earths, 21:44162
  Magnetic moment and charge radium of 83.4-keV rotational state in ^{153}Eu, 23:7302
  Measurements of NMR on oriented ^{192}Ir and /sup 191m/Ir in Ni and Fe host lattices, 25:59807
  Moessbauer effect and magnetic moment of the 75.9 keV level in ^{171}Yb, 21:12032
  Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:3716
  Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:46784
  Moessbauer effect in ^{157}Gd, 21:7791
  Moments of first excited 2^{+} states of ^{186}Os and ^{188}Os, 24:11024
  Nuclear charge radius of ^{189}Os, 24:52618
  Nuclear g-factors of first excited states in ^{191}Ir and ^{193}Ir, 22:3715
  Nuclear information obtained with Moessbauer effect, 22:46833
  Photo effect and nuclear resonance absorption for Moessbauer El gamma rays, 24:24186
  Ruthenium-103, 105 states observed in the reactions ^{102} ^{104}Ru(d,p), 25:34151
  Single-particle analog state anomalies in the scattering of protons from ^{197}Au, ^{196}Pt, and ^{186}W, 25:28371
  Test of T invariance using Moessbauer effect, 22:46797
KIENTZEL, J. Data processing of the results obtained with a photographic dosimeter, 25:44697
KIENTZEL, J. M. Correlating radioactivity of air precipitations at ground level with meteorological parameters, 25:48662 (LCA/MS-RAE-3/641)
KIENZLE, W. Boson resonances, 24:18180
  Evidence for two-peak structure in A_2 meson, 21:37718
  Experimental confirmation of R-meson structure, 22:3258
  Mass spectrum of bosons from 500 to 2500 Mev in the reaction $\pi^{-} + p \rightarrow p + X^{-}$ observed by a missing-mass spectrometer, 21:886
  Spin—parity analysis of 3π decays in the A_2 meson region, 23:14983
  Splitting of the A2 meson, 23:49147
  Test results of digitized wide-gap wire chambers, 21:36334 (CERN-67-13)
KIENZLE, W. E. Thermal diffusivity of high-purity thorium, 24:19415 (CONF-691002-, pp 326-35)
KIEPENHEUER, K. O. Morphology of an active region on the Sun, 22:26189
  Role and necessity of optical space observations in solar physics, 25:49654
  Structure and development of solar active regions. XXXV, 23:36360
KIER, P. H. Analysis of the initial critical experiments of the EBWR Pu recycle program, 22:9987 (ANL-7368)
  Initial critical experiments of the EBWR Pu recycle program, 21:7956
  Method of calculating effective thermal-group cross sections using space- and energy-dependent neutron fluxes, 23:3902
  Method of calculating resonance absorption in a circularized cell, 21:5476
  Method of computing resonance integrals in multi-region reactor cells, 23:47316 (CNM-R-2(Vol.3), pp 1495-1514)
  RABBLE, program for computation of resonance absorption in multiregion reactor cells, 21:40533 (ANL-7326)
KIER, Philip H. Neutronic aspects of plutonium recycle in thermal reactors, 22:10050
KIEREIN, J. W. Further comments on SPO problem, 22:29142
KIERKEGAARD, Peder Note on structures of $M(IV)P_2O_7(M(IV) = Ge, Zr, and U)$, 23:45279
KIERNAN, B. Electrodeposited composite coatings for wear resistance, 22:2590
KIERNAN, Brian Deposition of composite coatings, 25:19270
  Manufacture of nuclear fuel elements, 25:19269
KIERSTEAD, Henry A. Lambda curve of liquid ^{4}He, 21:43987
  Lambda transformation of liquid ^{4}He at high pressures, 21:11570
KIERULF, Birger Christian Nuclear reactor with jet pump arrangement for obtaining forced liquid circulation, 21:5667
KIERZEK, J. Radioactive tracer studies of industrial processes for the electrolytic refining of aluminium and the silicothermic production of magnesium, 22:14711
KIERZEK-PECOLD, E. Optical properties of crystalline LaB_6, 23:30657
KIES, Marian W. Antibodies to encephalitogenic basic protein in experimental allergic encephalomyelitis, 23:35802
KIESEWETTER, H. Contribution to the Albedo problem of neutron transport for a slab, 22:24795
  Eigenvalues and eigenfunctions of the neutron transport equation for a slab, 21:27510
  Numerical results for the eigenvalues and eigenfunctions of the neutron transport equation for a slab, 22:18091
  Study of the albedo problem for the neutron transport in a plate, 24:26828 (ORNL-tr-2036)
KIESEWETTER, W. Combination photographic film and glass dosimeter, 21:26254
  Neutron probe for connection to VA-J-05 radiometer for radiation protection measurements, 23:35467 (ORNL-tr-2150)
  Neutron probe in connection with radiometer VA-J-05 for radiation protection measurements, 23:24430 (SZS-18/68)
  Two simple neutron detectors for radiation protection use, 22:19161 (SZS-2/68)
KIESL, W. Abundances of trace elements in meteorites. I, 25:46470
  Activation analysis determination of trace elements in stone meteorites. I, 21:21893
  Activation analysis of elements in meteorites. II, 23:24132
  Activation analytical determination of elements in meteorites, 23:11457
  Determination of trace elements by chemical analysis and neutron activation in meteorites, 22:10199
  Determination of trace elements by neutron activation in meteorites, 25:54517
  Determination of trace elements in meteoritic phases by neutron activation analysis, 25:54477
  Neutron activation analytical determination of a number of trace elements in meteoritic phases, 25:41773
KIESL, Wolfgang Determination of trace elements by neutron activation analysis, 24:139
KIESLER, R. Accurate measurements of coaxial cable delay lines, 22:411
KIESLICH, Klaus Preparation and ultraviolet light-induced transformation of an antifungal mixture of heptaene antibiotics of Streptomyces surinam, 25:42302
KIESLING, R. A. Dynamag ion source with open cylindrical extractor, 21:37993
KIESNERS, U. Magnet core construction concept for a 500 MeV H^{-} cyclotron, 24:15724 (TRI-69-5)
KIESSLER, G. Quasibinary system UAl_2—NiAl, 22:11001
KIESSLING, D. Investigations on the effect of energetic radiation on the dielectric behavior of polyvinylchloride, 21:8345
KIESSLING, J. Roentgenologic and scintigraphic demonstration of vena portae, 23:35812
KIESSLING, M. Gamma decay of isobaric analog states in ^{54}Fe, 24:43194
  Isobaric analogue states in ^{54}Fe, 24:43445
KIESSLING, R. Swedish Institute for Metal Research, 21:26749
KIESSLING, S. Pyrolytic digestion of highly radioactive graphite samples, 24:25093
KIESSLING, Siegfried Apparatus and solvent for releasing fission product gas from nuclear fuels, 24:25099 (JUL-627-RB)
KIESZKOWSKI, Z. Radiological protection of out-patients, 25:19009
KIETRICH, K. Role of the continuum in RPA calculations, 24:43455
KIETSE, V. T. Growth and development of γ-irradiated corn, 21:28684
KIETZE, V. T. Radiation effects of radioactive cobalt on the growth and development of corn, 21:6726
KIFUNE, T. Production of quasi-monochromatic polarized bremsstrahlung from a single crystal of silicon, 21:29784
  Search for quarks, 23:23323
KIFUNE, Tadashi Coherent bremsstrahlung from Si single crystal. II, 21:2302
  Measurement of CP violating parameters in K^{0} decays, 23:39772
KIFUNE, Takeshi Spiral pipe for a pressure vessel, 24:46404
KIGA, Masami Dose-survival curves of fractionated irradiation in mice, 22:40919
  Radiosensitivity of the radiation induced aminopterin resistant yeast cells, 25:57927
KIGGINS, B. R. Critical current for type-II superconducting wires in longitudinal fields, 24:28205
KIGHT, Harry K. Model 102 air sampler, 25:8393 (NVO-410-6)
KIGHTLINGER, James F. Cardiac scans with ^{131}Cs, 21:24511
KIGOSHI, Akiichi Monel and nickel corrosion in nonaqueous NO_2—HF solutions, 21:22838 (BNL-50007)
KIGOSHI, Kunihiko Atmospheric tritium as an indicator of air masses, 24:9530

Daily variations in the tritium concentration of atmospheric moisture, 24:31494
Ionium dating of igneous rocks, 21:30535
Secular variation of atmospheric radiocarbon concentration, 23:31433 (NSJ-tr-104)
Tritium measurement by gas counting, 21:32114
KIGOSHI, Yasutane Vapor—water partition coefficient of iodine and organic iodides, 24:4353 (ORNL-tr-2255)
KIGUCHI, Sachiaki Spectrophotometric study on the thorium complex of o-hydroxyphenyl-azo-chromotropic acid, 21:27903
KIGUCHI, Takashi Energy modal synthesis method in fast reactor analysis, 25:20709
KIHARA, D. H. Prog. rpt. on analytical study of fluid cylinder arc model balanced by crossed magnetic and flow fields, final, 11/66—10/67, 23:12816 (AD-669354)
KIHARA, H. Explosion tests of arc welded steel tubes, 23:27048 (EUR-4101, pp 305-23)
KIHARA, Hiroshi Advanced research reactor uses for basic research in Japan, 25:54192 (A/CONF.49/P-820)
Brittle fracture strength of thick steel plates for reactor pressure vessels, 22:27448
KIHARA, Hirozi Measurement of ^{14}C and ^3H with liquid scintillation counter, 21:30365
Simultaneous determination of ^{14}C and ^3H with liquid scintillation counter, 21:30366
KIHARA, J. Thermally activated flow in iron, low carbon steel, and other body-centered cubic metals (V and Ta), 25:35380
KIHARA, M. Oriented low carbon steel gradient magnets for strong focusing proton synchrotron, 24:38032
Pole shape of gradient magnets for strong focusing synchrotron, 23:8892
KIHARA, Masahiko Measurement on the propagation constants of a slow wave in a plasma filled cylindrical waveguide with an axial magnetic field, 22:39077 (REIC-TR-18).
KIHARA, Motohiro Design of the shape on the low-field side of the magnet pole for a strong-focusing synchrotron, 21:17239
Pole shape of gradient magnet for strong focusing synchrotron, 24:1690 (SJC-A-68-5)
KIHARA, Taro Electrical conductivity of weakly ionized gases in quiescent and turbulent states, 23:46476
KIHARA-MORISHITA, H. Infra-red reflectance spectra of anodic oxide films formed on pure Ta, 25:11518
KIHLBERG, A. Internal coordinates and explicit representations of Poincare group, 22:15821
Series of unitary irreductible representations of SU(2,2), 23:46756
Unitary irreducible representations of SU(2,2), 21:958
Unitary irreducible representations of strong coupling group $[SU_2 \times SU_2] \times T_4$, 22:3492
KIHLBERG, Arne Fields on a homogeneous space of Poincare group, 25:17532
Is the jet structure of high-energy collisions of kinematical origin, 23:42756
Wavefunctions on homogeneous spaces, 24:10795
KIHLBORG, L. Growth and x-ray studies of single crystals of higher oxides of praseodymium and terbium, 25:51467 (CONF-711001-(Vol.1), pp 84-95)
KIHLBORG, Lars Crystal structure of monoclinic wolfram vanadium oxide, $W_3V_5O_{20}$, an OD structure related to R-Nb_2O_5, 24:32507
Phase relations in the VO_2—WO_2 system, 24:12481
Structure of W—V oxide, $(W_{0.35}V_{0.65})_2O_5$, 23:22569
KIHLMAN, B. A. Deoxyribonucleotide synthesis and chromosome breakage, 21:26401
Effect of hydroxyurea and other inhibitors of DNA synthesis on Vicia chromosomes previously exposed to x rays or to radiomimetic chemicals, 22:47505
Hydroxyurea: effect on Vicia chromosomes previously exposed to x-rays or radiomimetic chemicals, 22:31022
Survival, chromosome abnormalities, and recovery in heavy-ion- and x-irradiated mammalian cells, 22:12837
KIHO, H. Kinetics of heterogeneous mutual radiation grafting, 21:8356
Phase changes in polyethylene single crystals, 23:7575
KIHO, Yukio Radiation effects on RNA from tobacco mosaic virus, 22:51529
KIIBUS, A. Computer processing of cerebral scintillation camera studies, 25:42090
KIJAN, T. S. Luminescence produced in scattering of H ions at surface of metallic targets, 22:41299
KIJEWSKI, L. Interpolation method for the many-body problem, 23:18730
KIJEWSKI, L. J. Lower bounds to the many-body problem using density matrices, 22:5475
Lower-bound method for atomic calculations, 25:7191
Pauli-principle restriction on two-matrix of Bopp for atomic ground states, 23:14622
Restrictions on reduced density matrices in atomic calculations, 24:37275
KIJEWSKI, Louis J. Conditions on the expansion coefficients of the reduced two-particle density matrix, 24:10398
KIJEWSKI, P. Search for direct decay $K^+ \to \pi^+ + \gamma + \gamma$, 22:9508
Search for the direct decay $K^+ \to \pi^+ + \gamma + \gamma$, 22:5496 (UCRL-17887)
KIJEWSKI, Peter Klaus Energy spectrum π^0 in $K^+ \to \pi^0\mu^+\nu$; search for direct radiation in $K^+ \to \pi^+\pi^0\gamma$, 23:32607 (UCRL-18433)
KIKAME, J. 1p neutron pick-up strengths in the reaction $^{13}C(p,d)^{12}C$, 23:1797
KIKER, J. L. Development of sea ice penetrometer, 24:53061 (SC-DR-70-483)
KIKER, W. E. Californium-252 as a monoenergetic neutron source through time-of-flight gating, 25:39669
KIKER, William E. This atomic world, 22:33107
KIKI, Ryota Gamma scanning data for unirradiated flat fuel plates of UTR, 23:28737
KIKIANI, B. I. Spectrum of ^{182}W conversion electrons in hard energy range, 24:3945
KIKIN, Gerald M. Lithium-boiling K test loop, 21:30239 (NP-16767)
Lithium-boiling potassium Rankine cycle test loop operating experience, 21:41105
KIKINDAI, Marthe Fixations of uranyl ion, 23:24159
KIKINDAI, T. Analog simulation of mixer—settlers, 23:13814 (CEA-CONF-1129)
Analog simulation of mixer-settlers, 24:36479
KIKINDAI, Tivadar Extraction scheme for alkali-metals and alkaline earths, 23:9533
Hydrolysis of Eu and Am in chloride medium, 23:17407
Influence of the diffusion of ferric ions on the oxidation kinetics of UO_2 and U_3O_8 in sulfuric acid medium, 22:10216
Ion exchange properties of amorphous titanium phosphate, 24:39015
New intermediate phases of uranium oxide UO_2, 24:30043
Reaction between thionyl chloride and UF_6, 23:9410
Recovery of fissile materials, 25:13090
Study of extraction kinetics with a chemical reaction controlled by diffusion, 22:4091
Study of transient state in mixer-settlers, 24:19060
KIKKAWA, K. Asymptotic properties of planar duality amplitudes, 24:26525
Current algebra and eta $\to$ 3π decays, 21:29485
Differential cross section for charged A_1 photoproduction, 24:28514
Feynman-like diagrams compatible with duality. I, 24:3733
Feynman-like diagrams compatible with duality. II, 24:37976
Nonhadronic interactions in the dual resonance model, 24:40299
Projection operator in the dual-resoance model, 25:53362
Regge cut from a non-planar duality amplitude, 23:52022
Regge cut from a nonplanar duality amplitude, 24:13208
Regge-pole residues and superconvergence hypothesis in the baryon—meson scattering, 21:46541
Strong-coupling theory of fermion interactions, 22:15757
Type-III conspiracy of the Feynman amplitude, 23:23462
KIKKAWA, Keiji Nonhadronic interactions in dual resonance model. II, 25:40919
Strong coupling theory of a chiral four fermion interaction, 21:7492
KIKKAWA, Kyozo Tritium content of Beppu hot spring water, 25:34732
KIKKAWA, S. Electrocardiographic study of cardiac damage secondary to radiotherapy of malignant intrathoracic tumors, 22:40857
KIKKAWA, Sumihiro Radiotherapy of lung cancer, 24:23291
KIKNADZE, G. I. Construction problems of industrial radiation loops, 22:19008
Experimental studies of power increase in In—Ga radiation loops, 25:60170
High-power radiation loop in IRT nuclear reactor at Tbilisi, 25:57129
Increasing the power of water-cooled reactors by intensifying heat transfer by artificial roughening, 24:26784
KIKNADZE, L. V. Proximity effect in liquid helium in a channel with a periodically changed cross section, 24:51569
Second critical velocity of liquid helium in a narrow annulus, 22:50098
KIKO, J. Diffusion of ^3He and ^4He in LiF, 24:18038
KIKOIN, A. K. Change in magnetic properties of thin nickel films when irradiated with 850-keV protons, 23:7037
KIKOIN, I. K. Influence of a magnetic field on viscous gas flow, 21:13425
KIKTA, E. J. PWR Core 2 reactor design description report, 22:39791 (WAPD-296)
KIKUCHI, A. R/sub N/ and N centers in NaF crystals irradiated with protons, 22:44250
KIKUCHI, Akira F-aggregate centers in deuteron-irradiated NaF, 23:24234
Five cases of rib fractures following postoperative x-ray treatment of the breast cancer, 21:28657
Linac dynamic booster project and its application to medicine and biology, 25:13548
KIKUCHI, Bunsei Photographic density in films for gamma-rays, 24:25316
KIKUCHI, C. Effect of thermal neutron induced defects on the optical properties of cadmium telluride, 21:2335
Energy transfer and quenching in plastic scintillators, 23:2612
ESR of Nb in $CaWO_4$, 21:9663
Identification of three trapping centers in calcium tungstate, 25:22607
Oxygen vacancies produced in calcium tungstate by fast reactor neutrons, 22:29553
Spin-resonance properties of scheelites. I, 22:20052
Thermal neutron damage in CdS and CdTe, 25:56307
Thermal neutron-induced recoil defects in p-type cadmium telluride, 24:28416
KIKUCHI, Chihiro EPR study of nuclear radiation effects in $CaWO_4$, 24:51814
Paramagnetic centers in neutron irradiated calcium tungstate single crystals, 21:851
Radiation-induced metastable paramagnetic centers in $CaWO_4$, 24:27175
Study of lithium mobility in irradiated silicon, 21:15217 (N-66-34630)
Study of lithium mobility in irradiated silicon, 22:13010
Szilard—Chalmers effect in CdS and CdTe, 25:37451
Thermal neutron-induced defects in n-type cadmium telluride, 22:17192
Thermal-neutron-induced defects in cadmium telluride and cadmium sulfide, 22:770 (N-67-26321)
Thermal-neutron-induced recoil in n-type cadmium telluride, 21:36954
Thermal-neutron-induced-defects in n-type cadmium telluride, 21:26926 (SC-DC-67-1789(Rev.))
KIKUCHI, H. Alfven irregularities near the plasmapause, 25:17028
Experimental studies of microparameters of clusters of seven nuclear superheat reactor fuel rods, 22:10067
Experimental studies of UO_2—H_2O lattices of uniformly arrayed rods and clustered elements, 22:22760
Harmonic ion-cyclotron resonances observed by the OGO-4 satellite, 24:12710
Lattice studies of clusters of UO_2 fuel pins, 23:4341
Plant for separating ^{235}U by gas centrifugation, 23:26456 (LIB/Trans-194)
KIKUCHI, Hidehiko Plant for separating ^{235}U by gas centrifugation, 22:51149
KIKUCHI, Hiroshi Experimental analysis of energy spectrum parameters in slightly enriched UO_2—H_2O lattices, 22:1868
Experimental studies on thermal reactor physics, 23:11307
Physics studies on BWR void simulated cores. I, 23:45061
Physics studies on BWR void simulated cores. II, 25:10175
Radiosterilization of medical products. II, 25:47080
Sterilization of surgical suture by γ ray. I, 23:41343
Studies of UO_2—H_2O uniform lattices, 25:34435
KIKUCHI, Jun Application of the gridded ionization chamber to alpha spectrometry, 22:8374
KIKUCHI, K. Differential cross-section and recoil proton polarization of eta-meson photoproduction at 890 MeV, 25:47716
Measurement of spin correlation parameters A/sub xx/ and A/sub yy/ of proton—proton scattering at 50 MeV, 22:26806
KIKUCHI, Ken Direct production of muon pairs at high energies, 23:39649
Nuclear matter and nuclear reactions, 22:24924
Polarization of recoil protons from neutral pion photoproduction, 22:44306
Possible mechanism of direct production of muon pairs at high energies, 24:3612 (SJC-P-68-6)
Reaction $^{15}N(p,\alpha)^{12}C$ in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
KIKUCHI, Kentaro Heat transfer to MHD slip flow in parallel plate channel, 24:17731
Heat transfer to MHD slip flow in the thermal entrance region of a parallel plate channel, 25:1035
Magnetohydrodynamic slip flow in entrance region of a parallel-plate channel. II, 23:20756
Magnetohydrodynamic slip flow in the entrance region of a parallel plate channel. I, 25:1036
Magnetohydrodynamic slip flow in the entrance region of a parallel plate channel. II, 25:1037
KIKUCHI, Kunio Variation in radiosensitivity of mice, 24:12277
KIKUCHI, Kunitaro 400-channel pulse-height analyzer, 21:1680
KIKUCHI, M. Crystal structures of cubic and trigonal yttrium hypocarbides, 23:4590 (ANL-7441)
Crystal structures of cubic and trigonal Y hypocarbides, 24:3044
Histological findings in the bone marrow of autopsy cases subjected to radiotherapy for neoplasms, 23:8079
Stability constant of Pa(V)—EDTA complex, 23:15852
KIKUCHI, Makoto Electron diffraction determination of the ionization of the C atom in β-Mo_2C crystal, 21:9241
KIKUCHI, Michio Elastic anisotropies and its temperature change of single crystals of high elasticity alloy Dia-flex, 21:32896
Temperature variation of single crystals of Dia-flex in Co—Fe—Ni—Cr—W—Mo system, 23:14331
KIKUCHI, R. Electroproduction of neutral pions through N*(1236), 23:10735
Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
Total absorption lead glass Cherenkov counter, 22:371
KIKUCHI, Riichi Electron spin resonance of gamma-ray irradiated $Sr(NO_3)_2$, $Ba(NO_3)_2$, and $Pb(NO_3)_2$, 21:42986
Newly constructed hot caves, 24:31570
KIKUCHI, S. Investigation of reaction $^9Be(^3He,n)^{11}C$ in energy range 3.5 to 10 MeV, 22:41954
Investigation of the reaction $^9Be(^3He,n)^{11}C$ in the energy range 3.5 to 10 MeV, 22:26892
Reaction $^9Be(^3He,n)^{11}C$ in energy range 3.5 to 10 MeV, 22:39577 (CONF-670970-, pp 161-77)
KIKUCHI, Seishi Japan's position in uranium enrichment, 25:37539 (CONF-700211-8)
Uranium enrichment and stand of Japan, 25:23743
KIKUCHI, Shiroh Conference on nuclear physics in energy region of tandem accelerators, Tokai, Japan, 12/68, 24:20382 (JAERI-1184)
Energy levels of ^{133}Cs, 25:50728
KIKUCHI, Shoji Extraction of Nb(V) from hydrochloric acid solutions, 24:41407
KIKUCHI, T. Desalination in Japan, 23:49613
Determination of the K_1 - K_2 mass difference via the strangeness oscillation technique, 21:7469
Interaction between uranium carbides and liquid sodium with a small oxygen content, 25:45106
Lambda—proton interactions at high energies, 21:42261
Long-term nuclear fuel cycle, 24:29022
Reaction between uranium carbides and liquid sodium, 25:45105
Total capture rate of negative muons in ^4He, 22:35214
KIKUCHI, Tadashi Determination of O in zone-refined Fe by 14-MeV neutron activation, 24:38779
Determination of oxygen in ferro-boron by the vacuum fusion analysis, 25:10467
KIKUCHI, Takeo Electrical properties of uranium carbonitride, 23:27701
Physical properties of carbide fuels and their evaluation, 25:42956 (JAERI-13517)
Porosity dependence of elastic modulus of uranium nitride, 23:25004

- Research and development of fuel for liquid metal fast breeder reactor, 24:31076
- Thermal diffusivity of U by laser pulse method from 20° to 850°C, 22:31946
- Thermal diffusivity of UN from 20° to 1000°C by laser pulse method, 22:40087
- KIKUCHI, Takuo Electron acceleration by an alternating periodic structure, 24:38000
- KIKUCHI, Teruo Decomposition of cyclohexyl amines through irradiation, 21:36051
  - Formation of organic I by I released from irradiated fuel, 25:75
  - Glassification of Purex-type waste solution. II, 23:4739
  - Glassification of Purex-type waste solution. I, 23:4738
- KIKUCHI, Tokuro Thyroidolymphography, 23:38673
- KIKUCHI, Yasuo Gamma-induced polymerization of acrylonitrile in the presence of stannous chloride at -78°C, 22:25383
- KIKUCHI, Yasuyuki Analysis of intermediate structure in fission cross section of ^{241}Pu, 25:50717 (ANL-7815)
  - Analysis of intermediate structure in fission cross section of ^{239}Pu, 25:50716 (ANL-7814)
  - Calculation of spin and energy dependence of fission width for ^{235}U and ^{239}Pu, 22:20655
  - Effect of spin-dependence of fission width of ^{239}Pu, 24:49876
  - Intermediate structure of the fission width of ^{239}Pu, 24:33159
  - Spin- and energy-dependent fission widths for ^{233}U, ^{235}U, ^{239}Pu, and ^{241}Pu, 24:35884
- KIKUCHI, Yoshihiro Heat transfer in a fluid, 23:7390
- KIKUCHI, Yuko Serum protein formation by chimeras. II, 23:43868
- KIKUDA, Masanao Particle accelerator, 23:39884
- KIKUGAWA, M. Scalar-meson production in pion-nucleon collision, 21:2474
  - Shrinking nature of diffraction amplitudes due to peripheral inelastic processes, 21:40222
- KIKUGAWA, Masayoshi Absorption correction in high energy photoproduction of π^+, 22:13697
  - Effects of the form factors in the one-boson-exchange model of nucleon—nucleon scattering, 23:25654
  - Inelastic process and one-boson-exchange model. III, 24:42988
  - Inelastic process and the one boson exchange model. II, 21:25319
- KIKUKAWA, Hiroji Solidification of radioactive wastes with cement, 25:54979
- KIKUYAMA, Toshihiko Corrosion fatigue of low alloy steel in high temperature water, 25:49355 (JAERI-Memo-4355)
- KILALIC, T. Influence of lethal doses of x radiation on metamorphosed and neotenic Alpin tritons, 23:22410
- KILAPARTI, S. R. Combined helium and steam cycle for nuclear power plants, 25:60139
- KILARSKA, M. Analysis of sulphur compounds by means of gas chromatography and radioionizing detectors, 25:37309 (INP-738)
- KILARSKA, Maria Analysis of sulphur compounds of industrial combustion gases by means of an electron-capture type detector, 25:32297
- KILB, R. W. Energy and particle loss from a short theta pinch, 24:17880
  - Magnetic equilibrium in fast theta pinch, 23:32453
  - Role of counterstreaming instabilities in the earth's bow shock, 24:47666 (NYO-3782-4, App.5)
  - Snapshot of fusion power research, 24:35478
  - Suppression of del B drift in curved theta pinch, 23:14749
  - Thermalization in the Earth's bow shock, 25:30365
  - Theta pinch lead design for minimum field distortion, 22:13426 (67-C-252)
  - Theta-pinch shock implosion calculations by model simulation of collisionless ion Vlasov equation, 21:44068 (NASA-SP-153, pp 269-73)
  - Theta-pinch shock implosion calculations by model simulation of collisionless ion Vlasov equation, 22:13450 (67-C-166)
- KILB, Ralph W. Comparison of two computational models for collisionless plasma shocks, 25:56189
  - Theta-pinch loss rate associated with high-β collisionless equilibrium configurations, 22:1134 (LA-3770, Paper B5)
- KILBANE, Farrell Michael Debye temperature of tungsten in range 4.2°K less than or equal to T less than or equal to 297°K, 24:21374
- KILBEY, B. J. Diepoxybutane pretreatment effects on uv-inactivation and photoreactivation of Saccharomyces cerevisiae, 23:50437
  - Genetic alteration at molecular level of ultraviolet light-induced ad-3B mutants in Neurospora crassa, 25:42341
  - Interaction between diepoxybutane and ultraviolet light in yeast. II, 25:24479
  - Quantitative and qualitative aspects of photoreactivation of premutational ultraviolet damage at the ad-, loci of Neurospora crassa, 21:16323
  - Similarities between uv-sensitive mutant of yeast and bacterial mutants, 23:43907
  - Specificity in the photoreactivation of premutational damage induced in Neurospora crassa by uv, 22:19312
- KILBEY, Brian J. Nature of photoactivation in Neurospora crassa, 21:36767
- KILBOURNE, Edwin D. Protective effects of specific immunity to viral neuraminidase on influenza virus infection of mice, 23:50954
- KILBRIDE, J. Friction welding stainless steel to Zircaloy-2, 25:16423
- KILBRIDGE, Thomas Response of mice to doses of erythropoietin, 22:43439
- KILCHER, P. Excited states of the odd nuclei ^{199}Au and ^{193}Au, 22:53175
- KILCHER, Pierrette K conversion coefficients and the intensities of the transitions in ^{189}Ir, 21:4303
  - Radioactive chain of mass number 189, 21:10023
- KIL'CHEVSKAYA, M. A. Some blood indexes after ionizing irradiation of animals with reduced thyroid function, 21:39513
- KILDAEYA, F. F. Application of impulse neutron—neutron method in oil industry, 24:2314
- KIL'DISHEVA, O. V. Preparation and radiation protective properties of some derivatives of beta-mercaptopropionic acid, cystamine, and cysteamine, 22:43378
- KIL'DIYAROV, M. A. Characteristic electron energy loss spectra for osmium, 24:44987
- KIL'DYUSHOV, M. S. Representations of O_4 group appearing in five-body problem, 25:38805
- KIL'DYUSHOVA, L. A. Measurement of the electric conductivity of air for incident and reflected shock waves by the electrode method, 23:51629
  - Parameters of ionized air in front of a strong shock wave, 25:56160
- KILERT, A. SLAC monochromatic photon beam, 23:44767
- KILGORE, M. J. PCTR measurement of reactivity effects of 0.8 percent enriched U fuel in graphite moderated lattice, 23:52401 (BNWL-1153)
- KILGORE, R. S. University of Virginia superconducting wind-tunnel balance, 25:14216
- KILHAM, L. K. Immunosuppression by antibody, 24:633
- KILIAN, D. C. Development of a fluidized-bed burner for processing Rover fuel, 25:8322 (IN-1423)
  - Pilot plant for headend reprocessing of unirradiated Rover fuels, 22:33486 (IN-1181)
  - Separation of uranium from graphite-based fuels by fluidized-bed combustion, 25:46554
- KILIAN, George W. Selection and biasing of FET's for low-energy x-ray and γ-ray spectrometers, 21:34476 (UCRL-17528)
- KILIAN, H. Moessbauer experiments with Coulomb-excited ^{73}Ge after Coulomb recoil implantation, 22:34796
  - Operative definition of the concept of scattering retardation, 23:21029
- KILIAN, Hans Asymptotic behavior of Schroedinger wave function for large time periods, 24:47514
- KILIAN, John Philip 14-MeV neutron response of several special thermoluminescent dosimeter phosphors, 24:25308 (UR-49-1272)
- KILIAN, K. Analyzing power of reaction ^{6}Li(d,α)^{4}He with vector-polarized deuterons of energy 2.1 to 10.9 MeV, 23:3960
  - Elastic scattering of polarized protons on tritons between 4 and 12 MeV, 25:53550
  - Elastic scattering of vector polarized deuterons on tritons between 3.3 and 12.3 MeV, 25:53554
  - Investigation of j-dependence of vector analyzing power of reaction ^{6}Li(d,p_0) and ^{6}Li(d,p_1) with vector-polarized deuterons of 2.1 to 10.9 MeV, 23:7239
  - Investigation of reactions ^{7}Li(p,p_0)^{7}Li, ^{7}Li(p,p_1)^{7}Li*, and ^{7}Li(p,α)^{4}He with polarized protons of energies 2.7 to 10.6 MeV, 23:19194
  - j-dependence of the vector analyzing power in the ^{6}Li(d,p)^{7}Li reaction, 22:48461
  - Levels in ^{5}He excited in the elastic d—^{3}H scattering, 25:28168
  - Polarimeter for polarized proton and deuteron beams, 23:23589
  - Stripping reactions on nuclei in the 1p-shell initiated by vector polarized deuterons, 25:53657
  - Stripping reactions on nuclei of the 1p shell initiated by vector-polarized deuterons, 24:45751
- KILIAN, P. Control rod considerations for steam-cooled fast breeder reactors, 22:53367
  - Core components in the Grosswelzheim critical mockup, 23:47272
  - Design characteristics of 300-MW(e) steam-cooled fast reactor prototype, 22:32905
  - Fast steam cooled reactor: system pressure consideration, 300 MWe prototype and testbed for fuel elements, 23:11159 (CONF-680419-, pp 111-26)
  - Some safety aspects of a carbide-fueled fast breeder, 24:7157
- KILIAN, Peter Economical and technical properties of the sodium-cooled high-power breeder reactor with carbide fuel, 25:28664
  - Measurements on fuel elements for power reactors in a critical assembly, 25:31573
- KILIBARDA, M. Contamination with ^{210}Po, U, and ^{226}Ra due to smoking, 23:14183
  - Deposition of some Rn daughters in rats, 23:24537
  - Radioactive cesium in the biosphere and in man, 21:28480
  - Serum protein fractions in chronically x-irradiated rats, 21:8927
- KILIMANN, K. Tensor of the dielectric constant for a cylindrical plasmoid, 21:27152
- KILIN, S. F. Measurement of gamma and neutron components in mixed fields with plastic scintillators, 23:11763
  - Radioluminescence of organic substances. VIII, 25:8274
- KILIN, V. S. Integrated hemispherical emissivity of zirconium carbide, 25:8931
  - Pyrolytic titanium and zirconium nitrides and fields of their use, 25:55605
- KILINA, S. P. Variation in contents of sulfhydryl groups in extremity tissues of axolotl, 21:26660
- KILIOVSKA, M. Possibilities of utilization of ultraviolet radiation as a reaction factor of luminescent cytochemistry of lipids, 21:28599
- KILISZEK, C. R. Properties of Ti pumps developed in Poland, 22:23255
- KILKENNY, J. D. Numerical and laboratory experiments in the Polytron configuration, 25:38413 (CONF-710607-44)
- KILLAM, E. R. Economics of food irradiation, 21:26728
- KILLANDER, D. Cytochemical evaluation of metabolic inhibitors in cell culture, 21:14569
- KILLANDER, Dick Uv-irradiation induced changes in the uptake of acridine orange in living mouse fibroblasts in vitro, 25:8770
- KILLAR, Marian Effect of irradiation on the suppression of enzyme in guinea pigs, 22:38471
- KILLEBREW, Rosamond Irradiation with ^{60}Co (gamma rays) of hard wheat flour to destroy fungal spores and toxins, 22:31303
- KILLEEN, J. Collisional processes at low densities in magnetic mirror systems, 25:40615
  - Finite beta equilibria in axially symmetric toroidal devices, 25:33306
  - Theoretical study of E-layer and plasma behavior in Astron, 25:38331 (CONF-710607-11)
- KILLEEN, John Calculation of toroidal magnetic field configurations, 21:15087 (UCRL-50161)
  - Computation for studying formation of relativistic electron layer in Astron, 22:7259
  - Computational problems in magnetohydrodynamics, 25:49782 (UCRL-73038)
  - Computational problems in plasma physics and controlled thermonuclear research, 22:39081 (UCRL-71205)
  - Finite-difference methods for collisionless plasma models, 24:49161
  - Numerical computation of plasma equilibria, 25:56207
  - Numerical solution of Fokker—Planck equations for H plasma formed by neutral injection, 21:44059 (NASA-SP-153, pp 85-90)
  - Numerical solution of magnetic field boundary-value problems, 21:7173 (UCRL-50127)
  - Numerical solution of Vlasov equation in a four-dimensional phase space, 21:44062 (NASA-SP-153, pp 155-61)
  - Solution of Fokker—Planck equations for H plasma formed by neutral injection, 22:26434
  - Solution of the Fokker—Planck equation for a mirror-confined plasma, 24:49164
- KILLEEN, P. G. Gamma-ray spectrometer calibration for field analysis of Th, U, and K, 24:46506
  - Heat flow and surface radioactivity in the Quirke Lake Syncline near Elliot Lake, Ontario, Canada, 23:6231
- KILLEN, Duncan A. Combination 5-fluorouracil and x-radiation therapy for nonresectable bronchogenic carcinoma, 22:8570
- KILLERUD, Kai Computer program for calculation of pressure vessels, 23:15748
- KILLEY, N. M. Creep of uranium and uranium—plutonium monocarbides in compression, 25:29960
- KILLGORE, C. A. Evaluation of potential uses for radiation processing in Louisiana industries, 21:10504 (NP-16382)
- KILLIAN, Charles Whole-body counting of some radioactive isotope and radiopharmaceutical production workers, 25:24007
- KILLIAN, Charles B. Emergencies in transit, 25:48896 (PB-189506, pp 141-52)
  - Measurement of tritiated organic compounds in the presence of tritiated water in urine, 22:47446 (CONF-680503-3)
  - Measurement of tritiated organic compounds, 23:41193
- KILLIAN, P. Some physics aspects in the design of a carbide-fueled fast breeder, 24:7098
- KILLIG, K. Factor g of 184-keV state of ^{67}Zn, 22:5796
  - Level crossing in hyperfine interactions studied by perturbed γ—γ angular correlations, 24:45377
- KILLION, D. D. Acute γ irradiation of the soybean plant, 25:47054
- KILLION, Philip J. Deuterium exchange on DNA following adsorption of D_2O vapor, 21:16264
- KILLMANN, S. A. Irradiation of blood, 23:50776
- KILLMANN, S.-Aa. Radiation effects on the myelocytic cell renewal system, 25:44895
- KILLMANN, Sven-Aage Cell cycle effect of extracorporeal irradiation of the blood in acute myeloid leukaemia, 25:47020
  - Extracorporeal irradiation of the blood. I, 24:46645
  - Hypothesis concerning the relationship between normal and leukemic hemopoiesis in acute myeloid leukemia, 25:16280
- KILLORAN, J. J. Irradiation-induced gases in packaged foods. I, 22:601
- KILLORAN, John J. Development of flexible containers for irradiated foods. I, 22:19466
  - Packaging of irradiated foods, 22:11103
  - Packaging of irradiated foods, 23:3009
- KILLPATRICK, Allen Ross Electron scattering from excited mercury atoms, 25:35872
- KILLPATRICK, D. H. Fracture in dispersion-strengthened nickel—chromium alloys, 22:49765
  - Mechanical properties of dispersion strengthened Ni—Cr alloys, 24:25690
  - Texture and elevated temperature mechanical properties of dispersion-strengthened Ni—20Cr alloys, 25:35392
- KILMER, Nelson G. Temperature effects on the phosphorescence of benzene and toluene, 25:10550
- KILMINSTER, C. W. Special theory of relativity, 25:41073
- KILMINSTER, David T. Evaluation of the response of silicon diode dosimeters to fast neutrons, 21:3315 (AD-641559)
- KILMISTER, C. W. Alternative field equations in general relativity, 21:7417
  - Recent developments in general relativity, 21:18855
- KILNA, R. Nearly resonant confinement of plasma, 25:19649
- KILNER, J. R. Charged component of 1-GeV electron showers in lead, 22:37070
- KILPATRICK, R. A. Superconducting pulsed synchrotron dipole and dc beam transport magnets, 25:33907 (UCRL-20188)
- KILPATRICK, S. J. Jr. Treatment of malignant superior vena caval obstruction, 23:50746
- KILPI, J. Compensation method for flatness measurements, 24:9206 (UCRL-Trans-10415)
- KILSBY, E. R. Tsuruga: triumph of teamwork, 25:28542

KILSTON, Steven D. Comparison of BL Herculis with RR Lyrae stars during rising light, 21:31134
Detection of 166a recombination-line radiation in the direction of the galactic center, 24:19634
KILTHAU, Gustave F. Body area scanning with radioisotopes, 21:8876
PDP-8 series studies of dynamic relocations of radioactive isotopes, 25:26473
KILVINGTON, A. Evidence for the possible existence of a superheavy element with atomic number 112, 25:25737
KILVINGTON, A. I. Polarization analyzer for 40- to 50-MeV protons, 24:13243
Reflective coverings for scintillation counters, 24:27374
KILYAKOVA, L. F. Contents of sulfhydryl groups in cervix carcinoma during radiation therapy, 24:34132
KIM, A. Probe method for recording ions produced by laser radiation in post-luminescence discharge plasma, 25:30477 (NP-18765)
KIM, A. G. Influence of radioactive neohydrin labeled with ^{203}Hg and ^{197}Hg on kidney and liver structure, 23:26887
KIM, A. M. Chemical reactivity of some cyclic ketones in α—H exchange reaction, 23:9400
KIM, A. P. Optimum activation and cooling time during neutron-activation analysis of rare earth elements, 25:39441
KIM, B. M. Studies on the effects of radiation from radioisotopes incorporated into plants. III, 22:36410
KIM, Bjong-ro Model of leptonic weak interactions, 25:40954
KIM, Bjong-Ro. Selection rules in the weak interactions and their relation to hadronic mesons, 25:59393
KIM, C. ^{60}Co heat source application, 25:44553
Cobalt-60 heat source demonstration program, 24:31595 (WANL-543-1)
KIM, C. C. ^{14}N(p,pd)^{12}C (g.s.) and ^{14}N(p,pd)^{12}C (4.4 MeV) quasi-elastic reactions at 46 MeV, 25:25651
Charged particle reactions from ^{7}Li + p at 30 MeV, 23:19181
Investigations of three- and four-nucleon systems, 22:26810
Proton—proton final state interaction in ^{3}He(p,pd)p reaction, 23:7219
Proton—proton final state interaction in p + ^{3}He reaction, 24:3842
Reactions (p,^{3}He) and (p,^{4}He) on isotopic Li targets, 21:7695 (USC-136-112)
KIM, C. H. Neutron—proton interactions in odd nuclei, 21:31842
KIM, C. K. Determination of C and O in electroplated Au, 24:31292
Determination of O in Ga phosphide and Si by ^{3}He activation, 25:31853
Isotope effects in Szilard—Chalmers reactions of Hf and Zr phthalocyanine, 23:4673
KIM, C. M. Induction of mutation by radiation and chemicals. III, 24:6027
Induction of mutations by radiations and chemicals. I, 23:4910
Mutation breeding of mice, 24:50824
Radiation breeding of perennial plants. I, 25:4724
KIM, C. O. Energy estimation of 20-GeV/c pion interactions in photographic emulsion, 25:3284
Kinematic parameter for estimating the primary energy and studying nuclear interactions from 17 to approximately 10^3 GeV, 21:37728
Multiple Coulomb scattering of 19.8-GeV/c protons in nuclear emulsion, 23:16923
Nuclear interactions at approximately 10^{12}eV, 23:34530
KIM, C. W. Applications of current commutation relations to muon capture and neutrino (antineutrino) reactions in nuclei, 24:37726
Chiral-invariant regularization and renormalization of the axial-vector current, 24:13161
Cross-section sum rules for neutrino (antineutrino) scattering by nuclei from current commutation relations, 22:9531
Muon capture and the hypothesis of partially conserved axial-vector current, 23:18873
Muon-capture rate in ^{6}Li and the PCAC hypothesis, 24:24518
Photoproduction of soft pions in $\gamma + {}^3\text{He} \rightarrow \pi^+ + {}^3\text{H}$, 22:24605
Pseudoscalar form factor in weak leptonic nuclear processes, 25:25393
Quark field algebra, gauge field algebra, and Schwinger terms, 24:8714
Radiative pion capture and the pion—nucleus vertex function, 22:50413
Relation between cross sections for elastic neutrino and antineutrino scattering by nuclei from algebra of charges, 22:44395
Relation between neutrino scattering total muon-capture by nuclei, 24:40344
Remarks on the pole dominance version of the hypothesis of partially conserved axial-vector current, 22:3360
Renormalization of the axial-vector vertex in spinor electrodynamics, 24:26482
Saturation of sum rules in particle representation of resonances, 21:18977
Second-class currents in nuclear beta decay, 25:50849
Sum rules in hypernuclear beta decay, 21:5374
Test of second class current in nuclear beta-decay, 25:25831
Theory of photoproduction of pions from ^{11}B and ^{16}O, 22:37102
Time-reversal invariance in semileptonic weak processes, 23:32693
Total muon-capture rate in ^{3}He from current commutation relations, 21:15258
Vector-meson sum rules from current commutators. I, 22:3389
KIM, C. Y. Solar neutron flux in energy range 20 to 160 MeV, 25:2861
KIM, Ch. Identification of irradiated strawberries, 24:937
Radical—oxygen and radical—radical reaction rates during dissolution of irradiated solid compounds in water, 24:44037
KIM, Charles W. Delayed hypersensitivity to T. spiralis antigens in irradiated guinea pigs, 21:20388
Synthesis of radioactive Trichinella spiralis larval antigen in vitro, 23:35675
KIM, Chi Moon Soybean improvement by application of x-ray and thermal neutron, 23:4909
KIM, Chick-hyun Generation of long-duration and high-velocity plasma flow, 23:20951
KIM, Chin Hyung Variational principles from the Schwarz inequality, 24:28456
KIM, Chong K. Mercury content of worldwide samples of wheat, 22:31064
Oxygen content of Ga phosphide, Si, and Ge by ^{3}He activation, 23:49753
Simple and rapid magnesium determination in biological samples by neutron activation analysis, 21:12323
KIM, Chong Kuk Neutron activation analysis of ^{197}Hg and related radiochemical separation, 22:4058
KIM, Chong S. Current density distribution in a flowing nonequilibrium plasma, 24:51478 (N-70-24446)
KIM, Choon Mi Metal-binding abilities of radioprotective organic thiosulfates, 25:20967
KIM, Chul Formaldehyde yield in irradiated D-fructose, 24:36319
KIM, Chul Mo. Instability of a thermally inhomogeneous positive column in a longitudinal magnetic field, 22:31875
KIM, Chul Soo EHD bulk instability of slightly conducting fluid between two coaxial cylinders, 25:7218
KIM, Chul-soo EHD stability of thin liquid layer in uniform shearing motion, 25:35939
KIM, Chung Wook Application of current commutation relations to nuclear physics, 23:19342
KIM, Chung-hum Approximate nuclear wave function, 25:5845
Mass formula in shell model, 23:21385
KIM, C-K Clustered nuclear engine study: sub-power range, 22:20900 (WANL-TME-1154)
KIM, D. J. Electron interaction in rare-earth metals, 22:17743
Enhanced effective exchange interaction due to localized spins in dilute alloys and rare earth metals, 22:15610
Incinerator air cleaning systems, 23:29131
Moessbauer effect in ^{57}Fe in Cu and the spin-compensated state, 22:17760
KIM, D. Y. Effect of an extranuclear electron on the muonic atom, 22:36734
Nucleon structure and vacuum polarization, 24:8584
KIM, Dae Mann Microwave conductivity of plasmas: relativistic refinements and collective theory, 22:50176
Statistical theory of emission, absorption, and conductivity of radiation in fully ionized plasmas, 22:34631 (AD-662910)
KIM, Do Kyong Alpha energy distribution of ^{7}Li(p,α)^{4}He reaction, 23:3956
Au—Si surface barrier semiconductor nuclear particle detectors, 22:23277
Li$^+$ ion-implanted Si solar cell, 25:33411
Silicon solid-state detector produced by lithium ion implantation, 23:17770
Yield of alpha particles from lithium films bombarded by an analyzed proton beam, 22:29931
KIM, Do-kyong Lithium ion source, 21:40331
Reaction ^{7}Li(p,α)^{4}He, 21:42569
KIM, Dong Hoon Fast neutron spectrum and flux in central thimble of TRIGA Mark-II reactor, 25:10277
KIM, Dong-hyok Two-particle states excited by (α,d) reactions on s-d shell nuclei, 21:7750
KIM, Dong-Yun Semiclassical theory of proton transport in ice, 21:22997
KIM, Doo Hee Neutron dosimetry around Korean TRIGA Mark-II reactor, 25:34406
KIM, Duck Jin Incinerator air cleaning system, 23:2540 (AERI-23)
KIM, E. G. Semi-empirical efficiency curve for thin Ge(Li) detector at low energies, 25:18725
KIM, E. I. Investigation of neutron irradiation on the structure of pyroceramics, 21:41680
KIM, E. K. Semi-empirical efficiency curve for a thin Ge(Li) detector at low energies, 25:379
KIM, G. G. Potassium-40 content in Kazakhstan soils and the resulting doses of atmospheric radiation, 21:30818
KIM, H. Computer solutions for three-dimensional electromagnetic field geometries, 23:28116
Conversion studies for SREL 600-MeV synchrocyclotron, 25:31160
Formation of an electron ring in a cusped magnetic field, 25:50396
Lagrangian approach to nonlinear wave interactions in a warm plasma, 25:5124 (SU-IPR-381)
Lagrangian approach to nonlinear wave interactions in a warm plasma, 25:56245
Neutron total cross sections of even isotopes of Zr in the energy range 2 to 60 keV, 22:14043
Nonlinear interaction between circularly polarized waves and electron plasma waves, 25:25175
S-wave π—π scattering phase shifts, 25:45741
Theoretical studies on the formation of a compressed 25-MeV electron ring in a static magnetic field, 23:28195
KIM, H. C. Effects of interstitial impurities on the yielding behaviour of niobium single crystals, 25:8880
Niobium crystals produced by zone-melting, 23:27009
Plastic anisotropy of Ta, Nb, and Mo, 21:24769
KIM, H. H. Method of stretching polypropylene for use as soft x-ray detector windows, 22:38020
KIM, H. J. Accelerator energy calibration, 24:30651
Differential cross sections for low-energy (p,n) reaction, 23:37270
Elastic and inelastic scattering of protons from krypton, 24:13342
Energy levels of ^{93}Nb, ^{93}Mo, ^{95}Tc, and ^{97}Tc via (p,n) reactions and the reaction Q-values, 24:38292
Entrance channel interference effect in neutron decay of 2$^+$ analogue resonances, 25:39004
Excitation of low-lying states of ^{89}Zr by the (p,n) reaction on ^{89}Y, 21:46702
Fission neutron cross sections for (n,p) reactions of Ti, 23:21304
Low-lying states of ^{111}In, 23:37271
Nuclear cross sections for charged-particle-induced reactions, 21:7697
Nuclear cross sections for charged-particle-induced reactions n and o, 22:1600
Reaction list for charged-particle-induced nuclear reactions. Pt. B, 24:3910
Reaction list for charged-particle-induced nuclear reactions. Pt. A, 24:8847
Reactions (p,n) on ^{88}Sr and ^{89}Y and the reaction mechanism via isobaric spin analogue resonances, 21:2660
Short nuclear lifetime measurements via the pulse beam delayed-coincidence technique, 25:48969
Spin-parity assignments for low-lying states in ^{95} ^{97}Tc, 25:31381
Spin-parity assignments via neutron decay of analog resonance, 21:38343
KIM, H. K. Organic disulfides and related substances. XVII, 21:16416
KIM, H. S. Isolation of auxotrophic mutants of subtilis and E. coli, 25:55189
KIM, Hee Chang Application of cellulases and hemicellulases in farm products processing, 24:31938
KIM, Hee Ja. Cellular metabolism in microorganisms as influenced by gamma irradiation. V, 25:44968
KIM, Hi Gyu Thermoluminescent properties of Korean natural quartz for possible use in γ-ray dosimetry, 25:18813
KIM, Hichull Computer programs for power reactor management, 23:28388
KIM, Ho Keun Sensitivity analysis of reactor power kinetics, 22:16233
KIM, Hogil Forming a compressed electron ring in a static magnetic field, 23:15324
Magnet and extraction studies for the Univ. of Maryland isochronous cyclotron, 23:28036
KIM, Hojing Energy of interaction between H atoms by Gaussian-type functions, 21:43747 (N-67-20421)
Interaction energy between two excited hydrogen atoms, 21:37143
KIM, Hong Sik Fast neutron spectrum and flux in central thimble of TRIGA Mark-II reactor, 25:10277
KIM, Huhn-jun The small-angle scattering of thermal and cold neutrons by nickel and graphite, 22:29850
KIM, Hyong Soo Storage of fruits by irradiation. IV, 24:6160
Storage of fruits by irradiation. II, 24:6161
Storage of fruits by irradiation. III, 24:12345
Studies on the sprout inhibition and biochemical changes of onions by gamma-irradiation, 25:6825
KIM, Hyung Soo Preservation of fruits. I, 23:5063
KIM, I. P. Concerning the mechanism of radiation crosslinking of polyisobutylene in the presence of p-divinylbenzene, 25:23596
Investigation of the radiolysis of ethylene—propylene rubber, 24:13904
Radiation cross-linkage of polyisobutylene in presence of monomer additions, 25:4101
Radiation vulcanization of polyisobutylene in presence of p-divinylbenzene, 24:33731
Radiation-induced vulcanization with 20 to 30-MeV electrons, 22:21101
KIM, Ick-joh Fourth-order calculation of divergent part of Z_3 in spin-zero electrodynamics, 25:1612
KIM, In Kyu Instabilities of finite-beta plasmas in toroidal multipoles, 25:45497
Quasi-electrostatic modes in axisymmetric tori, 24:42709
KIM, In Sup Fatigue strength of Ni corroded by neutron irradiation, 23:46094
KIM, In-sup Hardening of NaCl and KCl single crystals by neutron and gamma irradiation, 22:46205
KIM, J. Features of K$^+$d reaction at 3.8 GeV/c, 24:40258 (COO-1195-186)
K$^+$p elastic scattering at 2.53, 2.76, and 3.20 GeV/c, 24:40260 (COO-1195-191)
K$^+$p elastic scattering at 2.53, 2.76, and 3.20 GeV/c, 25:1407 (COO-1195-196)
Neutral decay branching ratios of eta^0 meson, 22:7423
Partial decay rates of eta^0 meson, 22:7422
Radioisotopic power generators: state-of-the-art report, 23:35415 (AD-687131)
Reaction $K^+p \rightarrow K^+\pi^+\pi^-p$ at 2.53, 2.76, and 3.20 GeV/c, 24:37660
KIM, J. C. Inelastic electron scattering from 13 MeV region in ^{16}O, 24:22084
KIM, J. H. Dosimetry and biological parameters, 23:50495
Effect of x-irradiation on thymidine kinase activity in synchronous populations of HeLa cells, 25:37735
Effects of x-irradiation on RNA and protein synthesis in HeLa cells, 24:31854
Modification of radiation response in synchronized HeLa cells by metabolic inhibitors. I, 23:8048
Modification of radiation response in synchronized HeLa cells, 23:50365
Recovery from sub-lethal x-ray damage of synchronized HeLa cells during inhibition of protein synthesis, 21:20397
Studies on the biological effectiveness of high-energy electron beams at different depths in tissue-absorbing material, 22:28380
KIM, J. I. Activation analysis of mercury in human urine samples, 25:52
Anion exchange behaviour and separation of Th, Pa, and U, 24:48154
Anion exchange behaviour of Th, Pa, U, and other elements in HCl and acetic acid mixture, 24:48164
Calculations for preparation of ^{232}U by neutron irradiation of ^{230}Th—^{232}Th mixture in reactor, 22:45091 (BMwF-FBK-68-09)

  - Calculations for production of ^{231}Pa and ^{232}U by neutron irradiation from ^{230}Th and ^{232}Th mixtures in the reactor with various irradiation conditions, 25:57479 (BMBW-FBK-71-6)
  - Determination of beryllium in rocks by activation analysis, using the ^{9}Be(α,nγ)^{12}C reaction with ^{210}Po, 25:54467
  - Monostandard activation analysis and its application to geological samples, 25:54490
  - Oxygen determination by fast neutron activation analysis, 23:24112 (BMwF-FBK-68-58)
  - Reactor neutron induced fission of ^{233}U, 25:34148
  - Reactor neutron-induced fission of ^{231}Pa, 25:3656
  - Thermal neutron cross section and resonance integral of ^{184}Os, ^{190}Os, ^{192}Os, ^{64}Zn, ^{68}Zn, and ^{59}Co, 23:1853
  - Thermal neutron cross sections and resonance integrals of ^{196}Hg and ^{202}Hg, 22:27130
- KIM, J. K. Energy dependence of form factor in K/sub e3/^{0} decay, 21:15257
- KIM, J. S. East—West motion of aurorae as observed at Moscow, Idaho, 21:23099
  - Enhancement factor and true absorption of the vhf cosmic radio noise associated with solar flares, 21:6940
  - Observations of M arc at Moscow, Idaho, USA, 23:27470
  - Orientation of aurora and the concurrent magnetic distrubance, 21:46267
  - Reappearance of multiple midlatitude auroral arc, 25:35969
  - Relationship between monochromatic auroral arc 6300 A and visible aurora, 24:5095
- KIM, Jae Ho Cellular radiation mechanism studies, 23:11993 (NYO-910-75, pp 26-31)
  - Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. II, 23:9834 (NYO-910-70)
  - Prog. rpt. on radiation mechanisms and radiation lethality, annual, 5/1/66—5/1/67, 22:8436 (NYO-910-58)
- KIM, Jae Kwan anti KN interaction in region 0 to 1200 MeV/c and hyperon resonances, 25:45765
  - Coupling constants and SU(3) classification of the Y_0^* (1405), 24:3657
  - Determination of NΛK and NΣK coupling constants, 22:1448
  - Low energy K$^-$-p interaction and interpretation of the 1405 Mev Y_0^* resonance as a anti KN bound state, 21:878 (NEVIS-149)
  - Multichannel K matrix analysis of anti KN interaction in region 0 to 1200 MeV/c, 25:25434
  - Multichannel phase-shift analysis of anti KN interaction in the region 0 to 550 MeV/c, 22:1445
  - Scattering lengths (π—Σ)/sub I = 0,1/ and anti K—N, 22:32168
  - SU(3) x SU(3) symmetry breaking, 24:24363
  - Systematic test of soft-meson theorems and of a theory of SU(3) x SU(3) symmetry breaking, 23:21113
- KIM, Jae Won Chemical processing of nuclear fuel, 24:208
  - Study on tungsten carbide, 23:46114
- KIM, Jewan Decay branching ratios of eta^{0} meson, 23:27735 (NEVIS-170)
- KIM, Jin Yong Medical study of Korean atomic bomb survivors, 25:27060
- KIM, John J. Nonlinear theory of E x B instability, 23:23176
- KIM, John Jungyu Second-order shifts in frequency and amplitude in E X B instability, 25:14338
- KIM, Jong Hyup Cellular metabolism in microorganisms as influenced by gamma irradiation. V, 25:44968
  - Cellular metabolism in microorganisms as influenced by gamma irradiation. IV, 25:47040
  - Radiation preservation of fermented Korean rice-wine, 25:47077
- KIM, Jong-dok Entrapment of radioactive waste water using sodium borate, 24:27217
- KIM, K. Cross-flow resistance and diversion cross-flow mixing between rod bundles, 25:41425
- KIM, K. H. Studies on the effects of radiation from radioisotopes incorporated into plants. I, 22:36408
  - Studies on the effects of radiation from radioisotopes incorporated into plants. II, 22:36409
  - Studies on the effects of radiation from radioisotopes incorporated into plants. III, 22:36410
  - Uniformity of proton beams available at NASA synchrocyclotron (SREL), 22:37231 (N-68-16785)
  - Uniformity of proton beams available at NASA synchrocyclotron, 22:51935
- KIM, K. I. Excitation field of linear induction machine with coupled windings along ladder network circuit, 25:45336
  - Instability of a weakly ionized plasma layer in crossed electric and magnetic fields, 22:44192
  - Nonlinear electromagnetic phenomena in a fluid with a nonequilibrium electric conductivity in an alternating magnetic field, 21:11640
  - Parameters of asynchronous liquid-metal MHD generator, 25:27484
  - Steady-state regime of self-excitation in asynchronous liquid-metal MHD generator, 25:40427
- KIM, K. J. Analyticity requirement for Regge poles and backward unequal-mass scattering. II, 23:19006
- KIM, K. S. Kondo effect in La/sub 1-x/Ce/sub x/ alloys under pressure, 25:11990
  - Multiplicity reactivation and radiation survival of aggregated vaccinia virus, 21:12756
  - Multiplicity reactivation of gamma- and x-irradiated vaccinia virus in L cells, 22:19368
  - Pair-breaking parameter of superconductors with Ce impurities, 24:35339
  - Pressure-induced magnetic—nonmagnetic transition of Ce impurities in La, 24:6488
  - Study of zirconium alloys containing niobium and vanadium, 21:41605
- KIM, K. Y. Energy shift due to vacuum polarization in μ-mesonic atom, 24:23760
- KIM, Kang Soo Teflon cell for high pressure superconductivity measurements, 24:37409
- KIM, Kang-soo Pressure-dependent pair breaking in superconducting La/sub 3-x/Ce/sub x/ in alloys, 23:39405
- KIM, Kee Soon Experimental study on the sintering of tungsten carbide powder with various metal binders, 25:35534
- KIM, Key Soo Structural analysis of the uranium—oxygen system, 25:32835
- KIM, Key-soo Effect of neutron irradiation on the plastic flow of zinc crystal, 21:41630
- KIM, Khon-sil Chromatographic method for the preparation of carrier-free radioiodine preparations with high specific (volume) activity, 21:10387
- KIM, Ki Soo Study on preparation of ^{18}F-containing organic compounds. II, 22:27804
- KIM, Ki-Hyon Use of semiconductor detectors for measurement of neutron yield, 21:1582
- KIM, Kil Hwan Effects of radiation incorporated in plant. IV, 25:47043
- KIM, Kil Hwan Effects of radiation from radioisotopes incorporated into plants. VIII, 25:47053
- KIM, Kuh EHD bulk instability of slightly conducting fluid between two coaxial cylinders, 25:7218
- KIM, Kyong Soo Storage of irradiated fruits. IV, 24:12346
- KIM, Kyong-min Deposition of Nb$_3$Sn from gas phase, 24:23899
- KIM, Kyung Eung Study of backscattered β-ray and its applications, 22:28197
- KIM, M. U. Beta decay of ^{134}Cs, 22:16025
  - Decay of ^{47}Ca, 21:42589
  - End point of the RaE beta spectrum, 21:12053
  - Negaton decay of ^{122}Sb, 22:48548
- KIM, M. V. Electromagnet of a transportable betatron, 25:43741
  - Nuclear-cascade avalanches in iron, 22:21924
- KIM, M. Z. Mutation breeding of tomato. I, 25:26735
- KIM, Moo Ung Decays of ^{134}Cs, ^{122}Sb, and ^{32}P, 23:44911
- KIM, Moon-uhn EHD stability of thin liquid layer in uniform shearing motion, 25:35939
- KIM, Nak Goo Interaction between a steady-state plasma and a magnetic field, 22:17509
- KIM, Pil Hyon Thermal diffusivity of sintered ceramics, 23:46124
- KIM, Rhyn H. Transonic similarity rule in magnetogasdynamics, 21:7073
- KIM, Robert Topical 5-fluorouracil for actinic keratoses, 22:51826
- KIM, S. Generalized Deck effect and anti K**(1300) production in $K^- + p \rightarrow K^- + \pi^+ + \pi^- + p$ at 5.5 GeV/c, 22:11589
  - Reaction $K^-p \rightarrow K^-\pi^+\pi^-p$ at 4.1 and 5.5 GeV/c, 22:13652 (COO-1195-111)
  - Spin—parity analysis of the low-mass (1.1-1.4 GeV) K* π system in $K^-p \rightarrow$ anti $K^{*0}\pi^-p$ at 5.5 GeV/c, 23:3645
- KIM, S. C. First nuclear power plant in Korea, 25:28539
- KIM, S. E. Dose reduction factor produced by topically applied dimethyl sulfoxide, 22:40755
  - Radioprotective effect of topically applied dimethyl sulfoxide on mice, 21:14689
- KIM, S. G. Carbon-14 isotope effects in formolysis and trifluoroacetolysis of 2-aryl-(aryl-^{14}C)-ethyl p-nitro benzene sulphonates, 25:31909
- KIM, S. H. Effects of x-irradiation on RNA and protein synthesis in HeLa cells, 24:31854
  - Modification of radiation response in synchronized HeLa cells by metabolic inhibitors. I, 23:8048
- KIM, S. M. Minimum energy of positrons in metals, 21:16797
  - Precision of natural radiocarbon measurement, 24:7515
- KIM, Sam Soon Inactivation reaction of taka-amylase A by ultraviolet light, 21:6406
  - Photochemical inactivation of Taka-amylase A, 21:6428
  - Riboflavin-sensitized photoinactivation of taka-amylase A, 21:6455
- KIM, Seung Nam Use of Korean clay minerals in treatment of radioactive liquid wastes, 23:43486 (AERI-31)
- KIM, Si E. Radiation protection by topical DMSO application, 21:28558
- KIM, Si Joong Studies on metal cupferrate complexes in mixed solvents, 25:39472
- KIM, Stephen Recent improvements in benzene chemistry for radiocarbon dating, 21:32157
- KIM, Sueng-geon Carbon-14 isotope effects in acetolysis of 2-aryl-(aryl-1-^{14}C)-ethyl-p-nitrobenzenesulfonates, 23:31336
- KIM, Sung Bong Survey of radioactivities in field water and soil, 21:12533
- KIM, Sung Kih Studies on the preservation of fresh strawberries by means of γ-ray irradiation, 22:36426
- KIM, Sung Sam Environmental contaminations due to Chinese nuclear explosion tests Oct. 1964 to Jan. 1969, 25:2368
- KIM, Sung Wun Effective dielectric constant of cylindrical plasma at microwave regions, 25:3087
- KIM, T. H. Reactions (α,t) on medium-weight nuclei, 22:27025
- KIM, T. S. Studies on the effects of radiation from radioisotopes incorporated into plants. II, 22:36409
- KIM, Taeyoung Preparation of high specific activity ^{51}Cr, 25:48562
- KIM, Tai K. Solvent extraction process for separating gadolinium from terbium and dysprosium, 25:48585
  - Use of organophosphorus compounds in separation of the rare earths, 25:206 (CONF-700403-(Vol.2), pp 802-13)
- KIM, Tong-hyuk Energy spectra of inelastic scattering of 28.4-MeV alpha particles, 21:33985
  - Scattering of 34.4-MeV alpha particles by the tin isotopes, 22:39649
- KIM, Ung Photospallation of medium-heavy elements with bremsstrahlung of maximum energies between 0.8 and 2.1 GeV, 25:14977
- KIM, Untae Bone marrow, spleen, and thymus regeneration patterns in mice after whole-body irradiation, 25:32553
- KIM, V. F. Passage of EM waves through weak inhomogeneities in plasma, 25:16973
- KIM, V. M. Interaction cross section of nuclear-active particles with iron at 100 to 1000 GeV, 22:21911
- KIM, Y. B. Flux flow and irreversible effects, 23:27567
  - Temperature dependence of upper critical fields of type II superconductors, 21:18573
- KIM, Y. E. Extrapolation to the limit of singular core interactions in the three body problem, 25:48011 (COO-1746-52)
  - Extrapolation to the limit of singular-core interactions in the three-body problem, 25:56851
  - Faddeev equations for realistic three-nucleon systems. I, 24:52670
  - Off-energy-shell t matrix, 24:24629
  - Off-energy-shell T matrix for local potentials with singular core interactions. II, 25:7928
  - Off-energy-shell t-matrix for local potentials with singular core interactions. II, 24:45600 (COO-1746-37)
  - Shell model calculations of nuclei from A = 6 to 45 using the Hamada—Johnston potential, 21:12083 (PUC-937-233)
  - Solution of the Faddeev equation for local potentials, 23:46856
  - Three-body problem with local hard-core potential, 24:38086
- KIM, Y. J. Test matrices. I, 24:36111 (COO-1469-166)
- KIM, Y. M. Electron spin resonance studies of gamma-irradiated glasses containing lead, 22:46213
  - Electron spin resonance studies of gamma-irradiated alkali titanate glasses, 24:42756
  - ESR studies of radiation-induced Nb centers in Nb$_2$O$_5$—Na$_2$O—SiO$_2$ glasses, 22:31965
  - New S = 1 EPR center in irradiated diamond, 25:17284
- KIM, Y. N. Muonium and mesonium water molecules, 22:29233
  - Possibility of the formation of the muonium water molecule, 22:17418
  - Quadrupole effect of polarized nuclei on elastic scattering, 21:35519
  - Quadrupole effect of polarized nuclei on elastic scattering of charged particles, 25:50845
- KIM, Y. S. Analyticity requirement for Regge poles and backward unequal-mass scattering, 22:35144
  - Analyticity requirement for Regge poles and backward unequal-mass scattering. II, 23:19006
  - Bubble chamber study of (10 to 100) GeV cosmic-ray muons at all zenith angles, 24:23839
  - Forward and backward $\pi^- + p \rightarrow K^0 + \Lambda^0/\Sigma^0$ at 4 GeV/c, 22:7448
  - Induction of mutation by radiation and chemicals. III, 24:6027
  - Induction of mutation by radiation and chemicals. II, 24:14461
  - Induction of mutations by radiations and chemicals. I, 23:4910
  - Mutation breeding of mice, 24:50824
  - Nuclear characteristics of NS Savannah shuffled core I, 24:33479
  - Perturbed bound-state poles in potential scattering. II, 21:974
  - Quality control and chemical analysis of radiopharmaceuticals, 25:6276
  - Quark way to asymptopia, 25:5354
  - Quarks and the sec theta law, 25:22657
  - Radius of the nucleon in a bound-state model, 21:9796
  - Role of iron(III) hydroxide as a collector of Mo from seawater, 23:31293
  - Saturation of equal-time charge commutation relations in perturbation theory, 21:44347
  - Spontaneously broken SU$_3$ and massive vector mesons, 23:46780
  - Users manual for code EXGAM: calculate gamma photon dose from an airborne radioactive release, 22:33568 (NUS-329)
- KIM, Y. W. Conversion of F$_3^+$ centers and destruction of R centers in LiF with R light, 23:14872
  - Delayed luminescence in alkali halides under F bleaching, 23:40679 (COO-1054-43)
  - Delayed luminescence of M center in F-to-M conversion in NaF, 22:31948
  - EPR studies of electron-irradiated Li sulfate, 21:25193
  - Iron-impurity-controlled F-to-M conversion in x-irradiated NaF, 21:23280
  - Microwave-induced quantum voltages across Josephson tunnel junctions, 25:41636 (COO-1054-54)
  - Proximity effect in parallel magnetic fields, 25:40521 (COO-1054-55)
  - Thermal decay of OH radicals in electron-irradiated lithium sulfate, 22:29558
- KIM, Y.-D. Processing of radioactive waste water for storage as a solid, 23:26496
- KIM, Y.-K. Form factors of H$^-$, He, and Li$^+$, 24:28077 (ANL-7615, pp 209-13)
  - Inelastic-scattering cross sections of fast charged particles by Li$^+$, 24:28089 (ANL-7615, pp 207-9)
- KIM, Yeong Wook Prog. rpt. on electron paramagnetic resonance studies of radiation effects, annual, 6/1/67—5/31/68, 22:41641 (COO-1054-32)
  - Prog. rpt. on electron paramagnetic resonance studies of radiation effects in solids and chemical compounds, annual, 6/68—5/69, 23:42390 (COO-1054-42)
  - Prog. rpt. on electron paramagnetic resonance studies of radiation effects in solids and chemical compounds, 6/1/70—5/31/71, 25:40766 (COO-1054-52)
- KIM, Yeun Sik Sprout-inhibition of potatoes with γ-irradiation, 22:34000
  - Storage of chestnuts treated with γ-ray, 22:34002
  - Storage of chestnuts treated with γ-ray, 22:40985
  - Storage of fruits by irradiation. IV, 24:6160
  - Storage of fruits by irradiation. II, 24:6161
  - Storage of fruits by irradiation. III, 24:12345
  - Storage of irradiated fruits. IV, 24:12346

  Storage of sweet potatoes with γ-irradiation. I, 22:34001
  Storage of sweet potatoes with γ-irradiation. I, 22:40986
KIM, Yong Eak Use of Korean clay minerals in treatment of radioactive liquid wastes, 23:43486 (AERI-31)
KIM, Yong Hee Manufacture and characteristics of ionization chamber for counting beta, gamma rays, 25:48933
KIM, Yong Moo Electron-spin-resonance studies of radiation-induced paramagnetic defects in glass, 22:30636
KIM, Yong Su. Design procedures to determine characteristics of highly enriched heavy water moderated reactors, 25:10318
KIM, Yong Wook Generalization of reflected shock calculations, 25:33279
KIM, Yongduk Fermion operator realization of SU group representation, 23:16973
  Fermion operator realization of SU_3 group representation, 23:16977
KIM, Yong-ki Atomic form factor and incoherent-scattering function of the helium atom, 22:9065
  Cross sections for inelastic scattering of charged particles by atoms and molecules. III, 24:1283
  Generalized oscillator strengths of helium atom. I, 22:50035
  Generalized oscillator strengths of the He atom. II, 23:20705
  Generalized oscillator strengths of the He atom. III, 23:41937
  Mathematical formulas for some expectation values in the atomic scattering theory, 21:26966 (ANL-7220, pp 13-18)
  Minima of generalized oscillator strengths, 22:52539
  Quantum mechanical interference in atomic physics, 24:23822
  Relativistic self-consistent-field theory for closed-shell atoms, 21:16802
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. I, 22:5076
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. IV, 24:23798
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. V, 25:14022
  Total cross sections for inelastic scattering of charged particles by atoms and molecules. VI, 25:19510
KIM, You Sun Chlorination of toluene, chlorotoluene, and chlorobenzene under γ-ray irradiation, 25:151
  Study on preparation of ^{18}F-containing organic compounds. II, 22:27804
KIM, Young Che Plasmacytogenesis in the lymphoid tissue of x-irradiated rats, 23:29748
KIM, Young Chul Storage of sweet potatoes by gamma irradiation. II, 24:14634
KIM, Young Jun Infra-red absorption properties of irradiated polyethylene, 25:31993
KIM, Young Kuk Preparation of high specific activity ^{51}Cr, 25:48562
KIM, Young Mu Storage of sweet potatoes by gamma irradiation. II, 24:14634
  Studies on the sprout inhibition and biochemical changes of onions by gamma-irradiation, 25:6825
KIM, Young Mu. Effects of gamma-radiation on sprout-inhibition of garlic bulbs and the changes of their chemical contents, 25:55354
KIM, Young S. Cosmic-ray muons from low galactic lattitude, 24:28123
  Polarization of the Σ^0 and the Λ particles produced in the reaction $\pi^- + p \rightarrow K^0 + \Sigma^0(\Lambda)$ at 1.17 and 1.32 GeV/c, 21:5359
  Quark in high-energy cosmic-ray bubble-chamber picture, 24:26355
  Rapid adsorbing colloid flotation method for the separation of molybdenum from seawater, 25:54743
  Separation of trace-metal ions from seawater by adsorptive colloid flotation, 25:48598
  Separation of uranium from seawater by adsorbing colloid flotation, 25:54738
  Thorium hydroxide as a collector of molybdenum from sea water, 24:48153
KIM, Young Sik Determination of molybdenum in seawater, 22:50945
KIM, Yung Bin Zirconia production, 23:46115
KIM, Yung Jin Genetic studies of Drosophila population. I, 22:47514
  Studies of radiosensitivity of cultured normal and cancer cells. I, 22:36247
KIMBALL, C. W. Chemical and magnetic order in alloy phases, 22:5456
  Hyperfine field of ^{197}Au in ferromagnetic Au_4V, 22:1341
  Magnetic characteristics of $TbAu_2$, 23:8652 (CONF-681020-(Vol.1), pp 117-22)
  Magnetic properties of the system Au_4R(R = Er, Tm, and Yb), 25:27872
  Temperature dependence of the hyperfine field in rare earth-gold compounds, 22:24396 (CONF-670502-, pp 506-9)
KIMBALL, Clyde W. Moessbauer study of two Pd—Fe alloys containing absorbed hydrogen, 22:11541
KIMBALL, D. S. Daytime auroras and polar cap auroras, 21:35076 (CONF-670429-1)
KIMBALL, J. C. Simple model for semiconductor—metal transitions, 23:25469
KIMBALL, R. F. Comparison of mutagenesis by x-rays and triethylene melamine in Paramecium, with emphasis on the role of mitosis, 21:16324
  Mutagenic action of MNNG in P. aurelia, 24:23166
  Mutations induced by ultraviolet radiation in Paramecium aurelia, 23:31709
  Relation between repair of radiation damage and mutation induction, 23:20171
KIMBALL, W. Technique for measurement of circumferential ductility of irradiated tubing, 23:3099
KIMBER, P. M. Brainscanning with radioindium, 23:870
KIMBERGER, F. Catastrophe and war dosimetry ("K-dosimetry"), 21:12852
KIMBERLIN, Jerome Neutron activation determination of iridium in meteorites, 23:9319
KIMBLE, H. E. Irradiation device for providing a constant dose rate, 23:16052
KIMBLE, Stewart G. Prog. rpt. on radiation damage in semiconductor materials, final, 6/65—6/66, 21:31107 (AD-643783)
KIMBROUGH, Raymond D. Jr. γ irradiation of DDT: radiation products and their toxicity, 25:55135
  Infrared analysis of heavy water—water mixtures, 23:34984
KIMBROUGH, W. D. Thermophysical properties of ATJS graphite at high temperatures, 25:29972
  Thermophysical properties of Ta, W, and Ta—10 wt. per cent W at high temperatures, 25:52326
KIME, Milford Burton K forbidden isomerism of $11/2^-[505]$ Nilsson orbital in odd A, N = 91 isotones, 25:53783
KIMEL, I. Gauge fields, theory of currents, and vector mesons, 25:30924
  Gauge-field algebra with symmetry breaking, 22:39379
  Omega, phi $\rightarrow 2\pi$ decays in a gauge-field model, 24:10753
  S-wave non-leptonic decays and gauge fields, 25:3341
  Sugawara's theory of currents and vector mesons, 23:36926
KIMEL, Isidoro Absorbing hard core and Regge cuts, 22:50396
KIMEL, J. D. Determining off-shell $\pi\pi$ amplitudes from $\pi^- p \rightarrow \pi^- \pi^+ n$, 25:41011
  Double-scattering models and Chew—Low extrapolations, 24:45516
  Negative pion—proton elastic scattering at 2.26 GeV/c, 21:18918
  $Pi^- p$ elastic scattering at 2.26 GeV/c, 22:50302
  Prog. rpt. on elementary particle physics, annual, 11/68—10/69, 24:10677 (TID-25298)
  Single-pion production in $\pi^- p$ interactions at 2.26 GeV/c, 24:3530
  Uniqueness of interaction involving spin-$^3/_2$ particles, 25:33743
KIMEL, Jacob Daniel Jr. Furry representation of charged scalar and vector mesons, 21:9851
KIMEL, L. P. Escape of radiation beyond limits of shield of the Joint Institute's synchrocyclotron, 24:45665
  Maximum permissible levels of ionizing radiations, 21:41404 (JPRS-41259)
  Radiation escape beyond shielding of JINR synchrocyclotron, 24:3800 (JINR-P16-4727)
KIMEL, L. R. Activation of concrete shield of OIYaI synchrocyclotron, 25:59657
  Approximate method for calculating shield for scattered radiation of accelerators, 22:37232 (ORNL-tr-1916)
  Approximate method of calculation of shielding from accelerator stray radiation, 22:9718 (JINR-P16-3591)
  Attenuation of scattered radiation from a synchrocyclotron in the shield, 23:8870 (ORNL-tr-2030)
  Attenuation of scattered synchrocyclotron radiation in a shield, 25:3480
  Attenuation of synchrocyclotron stray radiation in shielding, 21:37961 (JINR-P9-3435)
  Back yield of neutrons from shielding bombarded by 660-MeV protons, 22:3149 (JINR-P16-3514)
  Back yield of neutrons from shielding bombarded with 660-MeV protons, 22:34736
  Backward neutron yield from shield under influence of protons of 660 MeV energy, 23:3539 (ORNL-tr-1913)
  Dosimetry and radiation protection. Collection No. 4, 21:32485 (AEC-tr-6719)
  Effectiveness of boron in accelerator shields on scattered radiation, 23:8869 (ORNL-tr-2022)
  Effectiveness of boron-loaded additives in shielding against scattered accelerator radiation, 24:34952
  Efficiency of introducing additional boron into the shielding from the accelerator stray radiation, 22:46572 (JINR-P16-3936)
  Measurements of spectra of stray neutrons at synchrocyclotron hall, 21:37960 (JINR-P9-3403)
  Measuring fluxes of nucleons having an energy greater than 600 MeV, 24:44265
  Measuring the scattered neutron spectrum near a synchrocyclotron, 22:33653
  Physical principles of radiation protection, 24:21847
  Problems in dosimetry and radiation protection, 25:32390
  Problems on dosimetry and radiation protection, 25:51907
  Protection against ionizing radiation, 21:28507
  Radiation yield of shields for the united institute of nuclear research synchro-cyclotron, 24:18320 (ORNL-tr-2277)
  Scattered radiation in accelerator halls, 22:35173 (NP-tr-1663)
  Solution of neutron age equation for a plane cosine-law source, 21:33504 (AEC-tr-6719, pp 23-8)
  Stray radiation at accelerator halls, 21:40301 (JINR-P9-3402)
KIMEL', Leonid Ruvimovich Protection against ionizing radiation: a manual, 22:40730
KIMEL, S. Far-infrared spectra of ethane, ethylene, and acetylene, 25:10544
KIMEL, W. R. Accuracy and precision of spectral measurements, 21:7314
  Analysis of gamma-ray spectroscopy data, 24:46504
  Cost minimization in neutron activation analysis and isotope production, 23:7565
  Direct measurement of fast-neutron spectra and the neutron differential-dose albedo for concrete with the NE-213 neutron spectrometer, 21:7317
  MAD estimators for gamma-ray spectra, 23:3547
  Min—max method of isotope production, 22:30609
  Minimum-cost policy for the production of radioactive isotopes, 21:36001
  Optimal costs of isotopes, 22:20929
  Optimal costs of isotopes, 21:36276
  Reflection of ^{60}Co gamma rays from concrete, 24:5197
  Scattering of fallout radiation from ceilings of protective structures, 21:28181
  Scattering of fallout radiation from ceilings of protective structures, 21:41179 (AD-645908)
  Scattering of fallout radiation from ceilings of protective structures, 22:25627
  Solution of the ceiling-shine problem in structure shielding design and analysis, 21:7310
KIMEL, William R. Measured fast-neutron spectra after reflection of fission source neutrons from a nine-inch-thick concrete slab, 23:3544
KIMELDORF, D. J. Age at x-irradiation and acute radiation mortality, 24:9948
  Alteration of a small-intestine mechanoreceptor response by beta radiation, 23:29764
  Conditioning through radiation-induced humoral factor, 23:31921
  Effects of irradiation on bone-growth of rats during protracted parabiosis, 21:11012
  Effects of various gases within the nasal cavities of rats on the response of olfactory bulb neutrons to x irradiation, 21:6631
  Influence of age on effects of irradiation with fast neutrons, 22:40890
  Influence of whole-body exposure to x rays or neutrons on life span distribution of tumors among male rats, 22:28661
  Protection against gastrointestinal and hematopoietic radiation lethality, 23:45787
  Protection through parabiosis against the lethal effects of large x-ray exposure doses, 21:24552 (USNRDL-TR-67-27)
  Radiation induction of epithelial cysts, 21:12989
  Radiation induction of skin neoplasms in the male rat, 22:21576
  Radiation-induced alterations in odontogenesis and formed teeth, 25:29631
  Treadmill exercise performance by the aging irradiated rat, 21:36709
  Visual response of purple shore crab to ionizing and non-ionizing radiations, 25:49272
KIMELDORF, Donald J. Age at x-irradiation and acute radiation mortality in the adult male rat, 23:29563 (AD-675514)
  Application of Premack's theory of a classically conditioned sucrose aversion induced by x-ray exposure, 22:10858
  Application of Premack's theory to classically conditioned sucrose aversion induced by x-ray exposure, 21:16431 (USNRDL-TR-67-2)
  Effects of dose and of partial-body exposure on conditioning through a radiation-induced humoral factor, 22:4665 (USNRDL-TR-67-95)
  Immediate irradiation effect on resistance of rats to low temperature, 22:43392 (AD-665664)
  Influence of age at exposure on persistent and late effects of irradiation with fast neutrons, 22:33896 (AD-662222)
  Irradiation effect on resistance of rats to low temperature, 23:26904
  Mechanisms of protection against gastrointestinal and hematopoietic radiation lethality by parabiosis, 23:29564 (AD-678530)
  Prompt detection of ionizing radiations by a marine coelenterate, 25:32523
  Protection through parabiosis against x rays, 21:30837
  Radiation induction of skin neoplasms in the male rat, 21:28598 (USNRDL-TR-67-37)
KIMELYA, L. R., Problems of dosimetry and radioprotection. No. 8, 23:50455
KIMERLING, L. C. Annealing of electron-irradiated n-type silicon. I. Donor concentration dependence, 25:19854
  Annealing of electron-irradiated n-type silicon: illumination and fluence dependence , 25:45553
  Germanium radiation detectors compensated by irradiation defects, 23:17752
KIM HI GYU Dependence of thermoluminescent glow curve shape on the heating rate, 24:5969
KIMITSCH, B. Radiation treatment of mammary carcinoma, 23:38840
KIMIZUKA, Noboru Crystal growth of vanadium dioxide, 24:34935
KIMLINGER, John SORS Monte Carlo neutron-transport code for the CDC-6600, 23:19126 (UCRL-50532)
  SORS Monte Carlo photon-transport code, 22:20035 (UCRL-50358)
KIMMEL, E. R. Recrystallization in thoria-dispersed nickel sheet, 23:36256
KIMMEL, Edward Roger Cold work and recrystallization substructures of thoria dispersed nickel composite, 23:10285
KIMMEL, G. Diffusion of cobalt in beta-uranium, 24:23478
  Interdiffusion between nickel and uranium, 23:8199
  Kinetics of U_3Si formation in cast U_3Si alloy, 25:52464
  Nucleation and growth of martensite in some uranium—chromium alloys, 21:45939
  Phase transformations in U—Cr alloys, 23:33997
  Surface phenomena during oxidation of U_3Si, 23:51091
KIMMEL, H. Ignition and pre-ionization of pulse discharge with two symmetric high-voltage sparks and arc discharge, 21:40035 (IHT-2-10)
  Measurement of low energy radiation from radioactive substances, 25:21401
KIMMEL, Hermann Radiation detector with gas-permeable radiation window, 25:57756
KIMMEL, Karlheinz Radiology, radiation protection; and basic research, 24:32021
KIMMERLY, E. Y. Hydrogen fluoride cylinder failure, 23:49676 (K-1881)
KIMMICH, Heinz Oscilloscopic investigation of martensite formation in iron—nickel alloys: explanation of anomalous potentials, 22:693 (UCRL-Trans-10137)
KIMMICH, K. Time-resolved measurements of plasma electron energy distributions, 24:51622

KIMMICH, R. Measurement of short nuclear magnetic relaxation times, 24:42839
KIMMINICH, Otto Non-proliferation treaty and its results, 24:25501
KIMMITT, M. F. Plasmas produced by focused CO$_2$ laser radiation, 22:50196
KIMONT, E. L. Core components test loop (CCTL) operating experience, 24:7204
Electrical resistivity measurement technique: tool for sodium-exposed materials evaluation, 21:36793
High integrity trace heating for sodium process piping, 24:31638
Sodium free-surface (650°C), stress, and wear effects on reactor component metals, 21:30971
Water cleaning and air storage effects on Na-exposed fuel clad alloys, 304 and 304L stainless steel, 23:46001 (ANL-7520(Pt.1), pp 426-37)
KIMONT, Edward L. Method of improving the corrosion resistance of stainless steel to sodium, 24:44660
KIMORI, Fu Radiosensitivity of cervical cancer, 21:34708
KIMOTO, Arata Infrared spectra of crystalline CHCl$_3$ and CDCl$_3$, 22:42676
KIMOTO, Ken-ichiro Effects of earthquakes on nuclear container vessels, 25:54305
KIMPARA, Atsushi Characteristics of radioelectric whistlers at low latitudes during the IGY and IQSY, 21:41898
Correlations between sudden phase anomalies in very long waves and bursts of solar x rays, 25:58888
KIM SUN NAM Isospin conservation in reaction ^{3}He(t,d)^{4}He, 24:13275
KIM SYN NAM Conservation of isotopic spin in reaction ^{3}He(t,d)^{4}He, 23:25772 (JINR-P15-4299)
Investigation of ^{9}Be + T reaction, 22:48452 (JINR-P15-3965)
Investigation of the ^{9}Be + T reaction, 23:28262
Investigation of the reaction ^{9}Be + T, 23:21264 (ZFK-130, pp 145-7)
KIMTIS, L. Nuclear magnetic resonance spectrometer, 23:45592
KIMURA, A. Effect of hydrogen on the tensile properties of zirconium, 23:34106
KIMURA, Andrew Y. Radioimmunoassay for angiotensin II, 23:38493
KIMURA, F. Novel membranes prepared by radiation grafting of styrene to cellulose acetate, 24:44035
KIMURA, Fujiko Effect of benzalization and benzoylation on irradiation damage of polyvinyl alcohol films, 22:8121
Effect of benzalization and benzoylation on irradiation damage of polyvinyl alcohol films, 22:42706 (AEC-tr-6937, pp 45-53)
Oxygen uptake during irradiation and post-irradiation graft copolymerization of styrene onto polyvinyl alcohol, 22:8118
Oxygen uptake during irradiation and post-irradiation graft copolymerization of styrene onto polyvinyl alcohol, 22:42704 (AEC-tr-6937, pp 12-20)
Oxygen uptake during the irradiation of polymers in air, 21:19690
Oxygen uptake during the irradiation of polymers in air, 22:8093 (AEC-tr-6908, pp 33-41)
Properties of styrene grafted cellulose, 22:8119
Properties of styrene grafted cellulose, 22:42703 (AEC-tr-6937, pp 21-32)
Studies on polyoxymethylene. IV, 21:19691
Studies on polyoxymethylene. IV, 22:8094 (AEC-tr-6908, pp 42-7)
Studies on polyoxymethylene. V, 21:19692
Studies on polyoxymethylene. V, 22:8095 (AEC-tr-6908, pp 48-55)
KIMURA, Fukuko Effect of irradiation to central nervous system, 23:50875
KIMURA, H. 1-kW superconducting ac generator utilizing superconducting rotating shields, 25:45437
Initial aging behavior of quenched Cu—Be alloys, 21:45911
Nb—Zr—Ti ternary alloy in superconducting magnets, 23:6953
Quenched-in resistivity in molybdenum, 25:19860
Recovery of fast neutron irradiated molybdenum, 25:19861
Superconducting saddle-shaped magnets, 23:3428
KIMURA, Hiroshi Effects of radioactivity on adhesion and welding of solid high polymer, 23:41764
Flux—jumping patterns of superconducting solenoids in a closed system, 21:41978
Linear electron accelerator, 23:8906
Luminosity function for globular cluster M13, 22:13155
Point defects in body-centered cubic transition metals, 25:35492
Recovery of low-temperature fast neutron irradiated tungsten, 25:27228
Tetrode-magnets device for focusing charged particles, 21:2568
X-ray irradiation apparatus, 22:11863
KIMURA, Hirosumi Spectrophotometric study of Th complexes of nitrophenyl-azo-chromotropic acids, 21:42926
KIMURA, Hirozo Hydride precipitation in Zircaloy-2, 23:27059
Hydride precipitation in Zy-2, 23:14347
Mechanical properties of Nb—H alloys, 21:34960
Mechanical properties of niobium—hydrogen alloys, 22:2691
Reactions of compounds in Nb—C—O system with CO or CO$_2$, 21:34967
Reactions of compounds in Nb—C—O system with CO or CO$_2$, 22:4081
KIMURA, I. Bone marrow transplantation in supralethally irradiated mice, 23:33744
Hydromagnetic wave instabilities in a nonneutral plasma—beam system, 22:26308
KIMURA, Ikuo Measurement of neutrons from 32 MeV medical betatron, 24:33076
KIMURA, Isamu Tsuruga Atomic Power Station, and problems in the power station piping, 22:14167
KIMURA, Itsuo Second neutron measurements symposium, 25:4320 (KURRI-TR-59)
KIMURA, Itsuro Average cross section for the ^{232}Th(n,f), 25:28409
Cross section for ^{103}Rh(n,n')/sup 103m/Rh reaction, 23:52151
Fast neutron flux measurements using ^{103}Rh(n,n')/sup 103m/Rh reaction, 23:5867 (KURRI-TR-42)
Fast neutron spectra from natural uranium target bombarded with high energy electrons, 25:36767
In-core measurements in nuclear reactors, 24:20546
Measurement and the calculation of neutron spectra in iron assemblies, 25:31658
Measurement of fast neutron spectra by threshold detectors, 23:2558 (KURRI-TR-27)
Measurement of fast neutron spectrum with ^{6}Li and ^{3}He sandwich counters, 24:25295 (KURRI-TR-67)
Measurement of fast neutron spectrum with threshold detectors, 24:25294 (KURRI-TR-61)
Measurements of angular distributions and energy spectra of photoneutrons from lead targets bombarded by high energy electrons, 25:31317
Measurements of average cross sections for some threshold reactions for neutrons with fission-type reactor spectrum, 25:28273
Measurements of neutron flux and spectrum at KUR irradiation facilities, 24:26808 (KURRI-TR-60)
Measurements of viscosity and thermal conductivity of a partially ionized argon plasma, 21:31409
Measurements of viscosity and thermal conductivity of a partially ionized argon plasma, 21:37437
Neutron flux and spectrum at irradiation facilities of KUR, 23:49596
Neutron spectra in Fe systems, 25:41213
Probe measurements of flowing partially ionized high-density gases, 23:6983
Reactor power monitoring by measuring ^{16}N and ^{17}N activities in primary cooling water, 23:40392 (KURRI-TR-57)
Studies on the thermal equilibrium of a plasma jet, 22:5358
KIMURA, Iwane Convective beam cyclotron instability and discrete vlf emissions in the magnetosphere, 25:30357
Linear and nonlinear cyclotron instability and VLF emissions in magnetosphere, 25:40497
Note on a generation mechanism of background hiss of polar chorus, 25:30358
Observations and theories of the vlf emissions, 21:39870
Observations and theories of vlf emissions, 22:9204
vlf Doppler experiment for observation of the ionosphere by means of rocket, 22:31698
KIMURA, K. Efficiency of filters for radioactive aerosols, 22:215 (LA-tr-67-81)
Spontaneous fission of ^{238}U, 21:38329
KIMURA, Kan Activation analysis of uranium, 23:47417
Determination of ^{137}Cs in irradiated U, 25:46
Extraction behavior of Eu with TTA, 24:14019
Isolation of ^{233}U from irradiated ThO$_2$, 22:23112
New method for radiochemical analysis of iodide and iodate in environmental water, 25:54442
Non-equilibrium isotopic exchange method, 23:35005
Radiochemical determination of ^{95}Zr—^{95}Nb in sea water, 23:11436
KIMURA, Kazuie Radiolysis and photolysis of methanolic solutions of eosin. II, 24:36331
Radiolysis and photolysis of methanolic solutions of eosin. I, 24:36330
KIMURA, Kazuko Effective site on acid catalysts revealed in n-butene isomerization, 21:10350
KIMURA, Kazuo Examination of human diaphragms for trichinosis in Hiroshima and Nagasaki, 24:23296
Polycythemia vera terminating in acute myelogenous leukemia with fibrosis of bone marrow, 22:51840
KIMURA, Keizo Direction of development on reactor materials, 25:19223
Effect of hydrogen on the mechanical properties of niobium, 22:49734
Zirconium—niobium alloy for reactor use, 25:16496
KIMURA, Kenichi Accumulation and retention of ingested ^{106}Ru by genuine goby, 23:50321
Accumulation and retention of ingested ^{106}Ru by genuine goby, 24:31901
KIMURA, Ki-ichi Energy spectrum of electrons in polystyrene, 22:8117
Energy spectrum of electrons in polystyrene, 22:43853 (AEC-tr-6937, pp 6-11)
Multiplication of Compton electrons in polyethylene, 21:19687
Multiplication of Compton electrons in polyethylene, 22:8090 (AEC-tr-6908, pp 10-17)
Number transmission of fast electrons through finite slabs of carbon and polystyrene, 21:19634
Number transmission of fast electrons through finite slabs of carbon and polystyrene, 22:8043 (AEC-tr-6908, pp 6-9)
Optical radiation from gases excited by high-energy electrons. I, 23:18376 (JAERI-5018, pp 63-4)
Optical radiation from gases excited by high-energy electrons. II, 25:10585 (JAERI-5026, pp 153-5)
Optical radiation from gases excited by high-energy electrons. III, 25:10586 (JAERI-5026, pp 155-7)
Radioinduced thermoluminescence. I, 23:17459 (JAERI-5018, pp 61-2)
Study of energy loss function of electrons by vacuum ultraviolet technique. I, 24:11575 (JAERI-5022, pp 165-8)
Tunneling of low-energy electrons and electric properties of metal-thin polymer—metal system. I, 24:11576 (JAERI-5022, pp 169-74)
KIMURA, Kikuzi Efficiency of filters for radioactive aerosol, 21:41067
KIMURA, Kishio Electron radiation burn due to electrostatic accelerator, 23:2976
KIMURA, Kozaburo Determination of arsenic in biological materials by activation analysis, 22:48
KIMURA, L. A. Evaluation of Ta for Hg containment in SNAP-8 boiler, 24:29941 (N-70-19707)
KIMURA, M. Detector system for analysis of scattered electrons, 25:48980
Effects of source—absorber spacing in $4\pi\beta$—γ coincidence counting of ^{106}Ru—^{106}Rh, 25:32225
Electroexcitation of the 10.8-MeV level of ^{12}C and the 7.12-MeV level of ^{16}O, 23:19182
Electroexcitation of the giant resonance in ^{12}C, 24:30706
Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
Neutron Debye—Scherrer diffraction works using linear electron accelerator, 23:30881
Radioactivity measurements by the $4\pi\beta$—γ anticoincidence spectroscopy method, 24:11832
Study of nuclear states in ^{60}Ni by inelastic electron scattering, 24:10961
Time-dependent spectra in small BeO assemblies, 25:48335
KIMURA, Masao Atomic scattering factors for electrons as calculated by the partial-waves method, 21:20748
Atomic scattering factors for heavy atoms, 23:18426
Electron-diffraction investigation of hexafluorides of tungsten, osmium, iridium, uranium, neptunium, and plutonium, 22:33436
KIMURA, Mitsuhiro One-inch bore, 55 kG stabilized superconducting magnet, 23:39419
KIMURA, Mitsuo Comparison of surgical and radiation therapy, 23:50898
Radiation therapy in cancer of the uterine cervix, 25:58070
KIMURA, Motoharu Advanced research reactor uses for basic research in Japan, 25:54192 (A/CONF.49/P-820)
Experiments on pile physics by means of TOF neutron diffraction, 24:16314
Experiments on pile physics by means of TOF neutron diffraction, 24:20302
Improvement of neutron diffraction method using electron linac, 24:18344
Neutron diffraction with the electron linac at Tohoku Univ, 24:18343
Pile physics experiment by means of TOF neutron diffraction, 25:28769
Study of atomic nuclei by electron scattering, 24:20332
Study of atomic nucleus by electron scattering, 24:20324
Study of atomic nucleus by electron scattering, 25:10014
Study of atomic nucleus with electron beam, 24:20331
Study of nuclei by electron scattering, 25:59736
Study of the optimization of moderators, 25:48333
KIMURA, Nobuaki Gamma-ray irradiation facility for biochemical research, 21:12556
KIMURA, S. Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
KIMURA, Shigeru Effect of γ irradiation on collagen. I, 23:17921
Effect of γ irradiation on collagen. II, 23:47968
Effect of γ irradiation on collagen. III, 23:50358
KIMURA, Shigeyuki Phase relations in the system FeO—Fe$_2$O$_3$—ZrO$_2$—SiO$_2$, 21:22928
KIMURA, Shiushichi Diffusion of Ba in various carbons, 23:22662
Fabrication of dispersion-type reactor fuel consisting of UC and SiC, 24:27813
KIMURA, Shuji Clinical observation of tongue cancer treated with high energy electrons, 22:51737
Radiotherapy of esophageal cancer, 24:23294
KIMURA, Shushichi Carbon materials, 24:12498
Diffusion of C in Ta and Zr, 23:38987
Diffusion of C in Ta and Zr, 24:27788
KIMURA, Syojiro Decontamination characteristics of evaporation facilities, 23:45498
Decontamination characteristics of low-level radioactive liquid-waste treatment plant, 23:45499
Separation of argon isotope by hot wire thermal diffusion column, 24:36518
Study on removal of radioactive Cs by vermiculite column, 25:37463 (KURRI-TR-83)
KIMURA, T. Consistency of canonical quantization in the case of nonconserved currents, 24:13149
KIMURA, Takao Effect of Cu additions on some properties of 50 WC—15 TiC—5 TaC—30 Co alloys, 22:43645
KIMURA, Takeyoshi Electron density measurements of plasma jet by microwave interferometry, 23:5382
KIMURA, Tetsuo Distribution of radioisotopes by whole-body autoradiography. XV, 23:41210
KIMURA, Toshiei Chiral symmetry in the unified fermion theory. III, 25:41065
Commutator of non-conserved stress tensors, 23:39822
Curved isospin space with torsion and pion—nucleon interactions, 24:40408
Divergence of axial-vector current in the gravitational field, 24:13175
Divergence of axial-vector current in gravitational field. II, 25:17551
Electromagnetic and gravitational interactions and Schwinger terms, 23:5566
Note on the gravitational interaction, 21:2342
Quantization of the generalized Rarita—Schwinger equation, 23:39804
Theory of anomalous gravitational interaction. I, 21:27280
Theory of anomalous gravitational interaction. II, 21:46499
Theory of anomalous gravitational interaction. III, 22:29755
KIMURA, Toyoaki Effect of chloromethanes on H formation in radiolysis of methylcyclohexane and 3-methylpentane at -196°C, 25:15686
Effect of phase on primary process of formation of butyl radicals in radiolysis of solid isobutane-2-d$_1$, 25:29161
Electron capture by solutes in γ-irradiated 2-methyltetrahydrofuran glass, 23:15916
Excitation transfer in radiolysis of solid hydrocarbons, 24:33716
Hydrogen formation in radiolysis of saturated hydrocarbons, 24:44047
Radiolysis of methylcyclohexane. I, 23:15898

Radiolysis of methylcyclohexane. II, 24:11586
Scavengeable electron yield in radiolysis of hydrocarbons, 25:10652
KIMURA, Y. Dual structure of anti KN scattering in intermediate energy region, 25:59504
Negative pion production from neutrons by polarized γ rays, 22:52918
Normal-state specific heat of niobium—tantalum alloys, 23:32278
Production of quasi-monochromatic polarized bremsstrahlung from a single crystal of silicon, 21:29784
Radiocontamination of the environment and its effects on the mother and fetus. III. Pt. I, 24:48729
Search for quarks, 23:23323
KIMURA, Yasuo Directional magnetic properties and structures in the $SmCo_5$—$SmCu_5$ system alloy, 24:32390
Properties and structures in the $SmCo_5$—$SmCu_5$ system alloys, 24:24176
KIMURA, Yoshitaka Analysis of pion photoproduction on nucleons below 500 MeV, 24:37682
Coherent bremsstrahlung from Si single crystal. II, 21:2302
Production asymmetry in $\gamma + n \rightarrow \pi^- + p$ process with polarized photons, 24:37603
KIMURA, Yoshitake Newly constructed hot caves, 24:31570
Scintillation pulse shapes of anthracene single crystals. I, 24:16860
Scintillation pulse shapes of anthracene single crystals. II, 24:25277
KIMURA, Yuichiro Behavior and distribution of radioactive substances in coastal and estuarine waters, 25:34760
Determination of arsenic in biological materials by activation analysis, 22:48
Radioactivities in sea near the Goto Islands, 25:29241
Release of radioactivities from ion exchange resins into sea water, 23:11676
KIN, K. P/sub L/ approximation in monoenergetic transport theory with arbitrary anisotropy, 25:41172
KIN, L. F. Neutron elastic scattering of calcium, 23:52106
KINACKE, R. F. Spectra of infrared stars from 2.8 to 5.1 microns, 24:4883
KINAGA, Y. Application of solid-state track detector for RdTh daughter nuclides, 24:31724
KINARD, F. E. Electron antineutrino interaction with deuterons, 23:39600 (COO-1749-9)
Electron antineutrino interaction with deuterons, 24:8559
KINARD, Roy Irradiation of a dog with myelogenous leukemia, 23:20110
Total-body irradiation of canine lymphoma, 23:18078
KINARD, W. F. Analytical applications of Kalousek polarography, 22:34
KINAREEVSKII, V. A. Flow of conducting fluid near nonconducting sphere in crossed electric and magnetic fields, 25:19550
KINAWI, A. Complex adsorption of uranium and iron on strongly basic anion-exchange resins, 21:34327
KINBARA, S. General purpose pulse shape discriminating circuit, 23:26615
Leading-edge time pickoff circuit, 23:11783
Spectrum measurements of intermediate energy neutrons by an organic scintillator, 24:44302
KINBARA, Setsuo Pulse-shape discrimination techniques for neutron spectroscopy, 24:16876
KINBARA, Setsuro Improvement on reactor instrumentation of JRR-2, JRR-3, and JRR-4, 25:51169 (JAERI-13753)
Module system for radiation measuring instruments, 24:29613
Nuclear instrument modules at JAERI, 24:16934
KINBARA, Seturo New pulse height to clock pulse converter and its application to neutron dosimetry, 24:11792
KINBER, B. E. Influence of refraction and absorption on coupling between antennas in plasma diagnostics, 22:3025
KINCAID, G. P. Tritium production from nitrogen in fission reactors, 24:47885
KINCAID, Harold Leland Radiation effects on heritable traits, 22:49291
KINCAID, Owings W. Angiocardiographic and anatomic findings in origin of both great arteries from the right ventricle, 24:29818
KINCAID, W. B. Nuclear unit will have remote dispatch, 23:43069
KINCH, D. Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 21:4892 (UH-235-P-5-2)
Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 23:48294 (UH-235-P-5-4)
Prog. rpt. on disinfestation of fruits and vegetables by gamma irradiation, annual, 6/66—5/67, 23:10131 (UH-235-P-5-3)
KINCH, D. M. Programming and cost analysis model for papaya processing, 23:48297 (UH-235-P-5-4, pp 53-62)
Thermal properties of papaya, 23:10134 (UH-235-P-5-3, pp 18-20)
Thermal treatment of irradiated papaya, 23:10135 (UH-235-P-5-3, pp 21-5)
KINCH, Sandra Relation of radioactive fallout to leukemia and fetal mortality, 24:12308 (EXEP-690501)
KINCHIN, G. H. Measurement of ^{235}U alpha in an intermediate-energy neutron spectrum, 21:38320
Nuclear data requirements for thermal reactor design and operation, 22:18100
Radiation measurements in thermal reactors, 21:21678
U and Pu fueled lattices with graphite and H_2O moderation, 22:22868
KINCINAS, J. E. Bench-scale studies on irradiated, highly enriched, U-alloy fuels, 21:24059 (ANL-6994)

KIND, A. Analysis methods for commercial power reactors, 24:11109
Fuel cycles for advanced converters, 23:49563 (CONF-681219-2)
Molecular model for polyphenyls and its use in calculating reactor parameters, 22:30380
Physics of the ORGEL project, 21:21697
Use of heterogeneous methods at Ispra, 22:22841
KIND, D. New compact capacitive energy storage unit for voltages above 100 kV, 25:30571 (EUR-4593, pp 293-9)
KIND, Joachim Electronic safety devices with μA readings for semiconductor detectors, 21:8581 (KFK-426)
KIND, N. E. High refractory materials with zirconium dioxide base stabilized by rare earth oxides, 21:3033
KIND, Phyllis Differentiation of antibody-forming cells. II, 23:33657
KINDEL, Dan J. Jr. Effect of the laser beam on the skin: preliminary report, 21:11070
Pathology of the effect of the laser beam on the skin, 21:9001
KINDEL, J. M. High-frequency Hall-current instability, 25:38259
Topside current instabilities, 25:30373
KINDEL, Joseph M. Turbulent resistivity, diffusion, and heating, 25:38344 (CONF-710607-52)
KINDEL, Joseph Martin Field-aligned current instabilities in the high-latitude ionosphere, 25:38229
KINDER, H. Anisotropy of ultrasonic attenuation in pure type-II superconductors, 22:17547
Phonon emission by quasi-particle decay in superconducting tunnel junctions, 24:26130
Phonon generation by the ac Josephson effect, 25:56073
KINDER, J. D. Tunnel diode switching induced by transient ionizing radiation, 22:12733
KINDERDIJK, H. M. J. New expression relating ion density to ion current, 23:12786
KINDERMAN, E. M. Economic and political factors in special nuclear material control, 24:447
Nuclear materials control systems studies, 21:45628 (WASH-1076, pp 44-50)
KINDL, B. Diffusion of N through Zr—Al alloys in vacuum, 23:33378
Surface measurement studies on sintered powder compacts, 24:27739
KINDL, P. Reactor kinetic calibration of neutron sources and its comparison with bath methods, 25:59688
KINDLEY, Robert J. Shock absorbing caster wheel, 24:33604 (SC-DR-70-259)
KINDLIMANN, L. E. Dissolution kinetics of nuclear fuels. I, 21:17732
Dissolution kinetics of nuclear fuels. II, 21:19498
Mechanism for the acid corrosion behavior of neutron-irradiated uranium, 24:46699
KINDLMANN, P. J. High speed correlator, 22:28219
KINDLMANN, Peter Juergen Measurement of excited state lifetimes, 22:11237
KINDRED, G. Calculated residual radiation levels for some elements used in cyclotron structures, 24:43083 (ORNL-TM-2834)
KINDT, T. J. Structure of the Aerobacter aerogenes A3(S1) polysaccharide. II, 21:1287
KINDYSHEVA, V. S. Cathode of lanthanum hexaboride for microtron, 22:52243
KINDZEL'SKII, L. P. Metabolic studies of ^{90}Sr in experiment, 23:14132
Radioisotope diagnosis of tumors of the bones, 24:41916
KINELL, P.-O. ESR single-crystal study of radical and radical-pair formation in some γ-irradiated vinyl monomers, 25:54634
Research at the Swedish Research Council's Laboratory, Studsvik, 22:14525
Wood-plastic combinations results and experiences abroad, 22:108
KINELL, Per Olof Prog. rpt., 1969, 25:6341 (NP-18571)
KINELL, Per-Olof Electron spin resonance studies of primary processes in radiation induced reactions. I. 1,3-butadiene adsorbed on silica gel, 24:48110 (NP-18453)
Electron spin resonance studies of primary processes in radiation induced reactions. II. Single crystal 1,3-butadiene, 24:48109 (NP-18452)
Electron spin resonance studies of primary processes in radiation-induced reactions. II, 25:54639
Electron spin resonance studies of primary processes in radiation-induced reactions. I, 25:54640
Electron spin resonance studies on irradiated heterogeneous systems. VI, 25:129 (NP-18478)
Electron spin resonance studies on radiation-induced polymerization of ethylene and isobutene on silica gel, 22:23040
Energy transfer in γ-irradiated system benzene—silica gel, 23:47542
ESR of irradiated heterogeneous systems. V, 24:7455
ESR studies on irradiated heterogeneous systems. VI, 25:23594
Positronium and muonium, 22:49990
KINERSLY, T. Laser effects on tissue and materials related to dentistry, 21:8983
Laser-induced microperforations in teeth sections, 21:8981
Lasers and teeth, 21:8984
KINERSLY, Thorn Laser warning sign, 21:10885
KING, A. D. Thorium diffusion in single crystal ThO_2, 25:24637
Thorium diffusion in thoria and urania, 25:741 (AECL-3655)
KING, A. E. Electrical component technology for 1/4 to 10 megawatt space power, 22:37552 (CONF-680802-1)
Electrical component technology for space power systems, 22:42342 (SAN-679-8)
Prog. rpt. on electrical component technology for 0.25 to 10.0 megawatt space power systems, 12/66—2/67, 21:36206 (SAN-679-2)

Prog. rpt. on electrical component technology for 0.25 to 10.0 megawatt space power systems, 9—11/66, 21:36205 (SAN-679-1)
Prog. rpt. on electrical component technology for 0.25 and 10.0 megawatt space power systems, 3/66—5/67, 21:40654 (SAN-679-3)
KING, A. G. Interaction between stress and porosity in zirconia ceramics, 24:42253
Polishing porous materials, 21:32969
Zirconia tailored for thermal shock resistance, 24:36960
KING, A. O. Transmission microscopy of ion-thinned boron carbide, 25:29983
KING, Alan G. Stress relief mechanisms in magnesia- and yttria-stabilized zirconia, 22:21772
KING, C. Isobaric analog resonances in the $^{209}Bi(p,p')$ reaction, 24:43447
KING, C. A. Magnetization by rotation: Barnett effect in a superconductor, 25:30439
KING, C. D. Convective motion in the climax toroidal quadrupole device, 25:38329 (CONF-710607-7)
Laser-produced plasmas from isolated solid hydrogen pellets, 22:1262
KING, C. H. Masses of ^{201}Tl, ^{203}Tl, ^{202}Pb, and ^{203}Pb, 25:46041
KING, C. J. 100-MHz counting system for an electron spectrometer, 22:346 (SC-TM-67-591)
KING, C. Judson Design of improved device for absorption with chemical reaction, 23:38029 (UCRL-18918)
Mass and heat transfer processes in laminar, two-phase flow, 21:41100 (UCRL-17527)
KING, Charles D. Double isotope scintiphotography for differentiating between renal cysts and renal tumors, 22:36338
KING, Charles M. Matrix-isolation study of the hydrogen cyanide dimer, 22:21079
KING, Charles R. Development of an experimental technique to thermally shock graphites, 25:4851
KING, Chi-yu Source parameters of Salmon and Sterling nuclear explosions, 25:34764
KING, Conrad D. Molecular mechanisms of liver regeneration. VII, 23:33882
KING, Conrad David Conversion of cytidine to deoxycytidine in regenerating rat liver, 23:9876
KING, D. A. Oxygen adsorption, reconstruction, and thin oxide film formation on Ni, Fe, W, and Mo, 25:27224
KING, D. B. Minuteman beryllium spacer, 25:47101 (NMAB-272, pp 337-417)
KING, D. Bryce Discussion of certain aspects of the beryllium state-of-the-art, 25:47093 (NMAB-272, pp 21-86)
KING, D. C. Integral properties of ^{235}U and ^{239}Pu in intermediate energy spectrum, and comparison with theoretical prediction, 23:52478 (AEEW-R-586)
Reactor physics measurements on ^{235}U and ^{239}Pu fuels in an intermediate spectrum assembly, 24:16249
KING, D. T. Protons from 2.7-GeV protons on Ag and Br, 24:30832
KING, David Ultraviolet laser excitation for ultra sensitive photoluminescent dosimetry, 21:1656
Uv laser excitation for ultrasensitive photoluminescent dosimetry, 21:26211 (ANL-7220, pp 27-9)
KING, David A. Isotope effect in electron-stimulated desorption: oxygen chemisorbed on tungsten, 24:36917
KING, David S. Pulsating stars, 23:10347
KING, Donald R. Effect of pulsed, short waves on alveolar healing, 23:38807
KING, Dzh Energy spectra of cosmic-ray neutrons at sea level, 24:21933
KING, E. Creep of uranium and uranium—plutonium monocarbides in compression, 25:29960
Effect of high pressures and varying temperatures on the resistivity of ytterbium, 25:30661 (AERE-R-5953)
Effect of high pressures on the electrical conductivity of praseodymium and some preseodymium alloys, 23:42475 (AERE-R-5965)
Electrical conductivity of Pr and Pr alloys, 24:36916
New phase boundary for cerium, 24:26096
Pressure-resistance of some Yb—Eu alloys, 24:17306
Self irradiation damage in transuranic elements and compounds, 21:32937
Thermal diffusivity of uranium and uranium—plutonium monocarbides, 25:29957
KING, E. A. Labeled compound related to Synkavit and its uptake in certain human tumors studied by radioisotope scanning, 23:41224
KING, E. C. Liquid-level detectors for liquid metals, 22:12671 (ANL-7380, pp 70-4)
Pressure transducers for nuclear reactor applications, 22:12670 (ANL-7380, pp 65-9)
KING, E. E. Prog. rpt. on magnetic torque of ideal superconducting toroids, final, 8/9/66, 21:13469 (AD-638802)
Torque on a superconducting torus in a uniform field, 21:16887
KING, E. Richard Dental prostheses and radiation to the jaws, 23:29861
Effects of radiation in oral cavity and oropharynx, 23:6601
Irradiation as an immunosuppressive agent in organ transplantation, 24:6013
Management of oral cancer, 24:21247
Short-lived radioisotopes, 23:38655
Tetracyclines for controlling osteoradionecrosis in rat mandibles, 22:40873
KING, Earle C. Development of extensometer device for use in 1200 F liquid metal service, 24:16917 (MSAR-70-2)
KING, Edward G. Heats of formation of three oxides of rhenium, 24:2999 (BM-RI-7323)
KING, Edward L. Medium effects on the exchange of chlorochromium(III) ion and chromium(II) ion, 24:29244
KING, Everett E. Prog. rpt. on electrodynamics of a superconducting parallel path circuit, final, 5/9/65, 21:7127 (AD-633685)

KING, F. D. R. Cobalt-60 heat source encapsulation, 21:36268
  Cobalt-60 heat source encapsulation, 22:10929
  Design and testing of curium shipping capsule and cask, 23:573 (CONF-681001-, pp 344-53)
KING, F. J. Preservation of uncooked fish muscle by cryogenic radiosterilization, 24:51122
  Prog. rpt. on chemistry of radiopasteurized seafoods, 10/66—9/67, 23:12255 (TID-24633)
  Prog. rpt. on irradiated-pasteurized fishery products, annual, 10/1/66—9/30/67, 22:43499 (TID-24256)
  Prog. rpt. on study of irradiated-pasteurized fishery products, annual, 10/67—9/68, 24:34805 (TID-25312)
  Radiopasteurization of fishery products, 23:18147 (CONF-681006-, pp 3-10)
  Study of irradiated-pasteurized fishery products, 25:27149
KING, Franklin D. R. Development of ^{60}Co capsules for heat sources, 21:34405 (DP-1096)
  Sealed container with pressure relief for hazardous material, 25:54989
KING, G. A. M. Ionospheric F-region storm, 25:49809
  Seasonal changes in thermospheric composition, 24:26065
  Spread-F on ionograms, 24:17853
  Validity of overlay technique for analysing the F1—F2 transition, 23:27467
KING, G. E. Radiation protection aspects of the movement of radioactive liquid waste in railroad tank cars, 23:16281 (BNWL-966)
KING, G. W. Ethynylbenzene: the vibrational spectra of some deuterated isomers, 25:10534
  Oxalyl halides, 22:35802
KING, George W. Yield strength of dispersion-hardened W—3.8 vol pct ThO_2 alloy, 23:14404
KING, H. G. Determination of trace zinc in lithium compounds by atomic absorption spectrophotometry, 23:11402 (Y-1661)
KING, H. J. Discharge chamber studies for Hg bombardment ion thrusters, 23:27618 (N-69-12544)
  Extraction of dense ion beams from plasmas, 21:43815
  Mercury electron-bombardment ion thrusters, 25:59011
  Mercury hollow cathode plasma bridge neutralizers, 22:52581
KING, H. S. Bibliography of solar proton events and related phenomena, 23:44096 (AD-685767)
KING, H. W. Axial ratios and solubility limits of Cd—Mn and Zn—Mn, 24:27792
  Dependence of low-temperature martensitic transformation in Nb_3Sn on composition, 23:33999
  Further evidence of low temperature phase transformation in Nb_3Sn and V_3Si, 22:11524
  Problems with stainless steel formers for superconducting magnets, 25:1139
  Variable-temperature liquid helium stage for studies of superconducting materials, 22:1120
KING, Harry F. Gaussian geminals for electron pair correlation, 25:4973
  Multiple solutions to Hartree—Fock problem. II, 23:30355
KING, Hilary Intra-antral radium application, 21:14685
KING, Howard W. Empirical analysis of spherical and hemispherical assemblies of enriched-uranium metal, 21:34158 (RFP-939)
KING, I. I. Yield of excited atoms in a beam formed by charge exchange in a partially ionized gas target, 21:46145
KING, Ivan R. Dynamics of star clusters, 21:543 (NYO-3164-2, Lect. 8)
  Dynamics of star clusters, 25:22239
  Probable ages of the oldest open clusters, 22:17251
  Rectangular coordinates of bright galaxies on the Palomar Sky Survey charts, 21:31151
  Stellar populations in galaxies, 25:58636
  Supermetallicity of the main-sequence stars in M67 and NGC 188, 25:6983
KING, J. Electric charge of interacting cosmic-ray particles at sea level, 25:27475
  Multicomponent alkali metal alloys, 21:43594
  Search for magnetic monopoles in cosmic rays, 25:14078
KING, J. D. Decay of ^{139}Pr, 21:29975
  Decay of ^{43}K, 23:39986
  Decay of /sup 184g/Re and /sup 184m/Re, 24:28798
  Decay of /sup 44m/Sc, 21:33936
  Decay of 22-min ^{44}K, 23:19220
  Decay of 8 d /sup 106m/Ag, 22:7727
  Energy of the ^{40}K gamma ray and its use as a calibration standard, 21:28239
  Evidence against proposed high-spin levels at 3660 and 2824 keV in ^{44}Ca, 22:50589
  Measurement of directional correlation of 1038-605 keV gamma cascade in ^{134}Ba, 24:8918
  New determination of the deuteron binding energy, 21:33876
  Radiative capture of neutrons by 5.2 eV resonance in ^{109}Ag, 23:34800
  Radiative capture of neutrons by the 6.24, 15.5, and 29.7 eV resonances in ^{121}Sb and the 21.6 eV resonance in ^{123}Sb, 24:6899
  Radiative neutron capture facility at Univ. of Toronto, 24:52339
  States of ^{116}In, 25:15008
  Study of decay of 17.9-day ^{74}As, 22:44687
  Study of gamma rays emitted by ^{97}Nb, 23:25932
KING, J. G. Search for continuously created hydrogen, 22:45836 (TID-24666, pp 1-6)
  Search for hydrogen appearing in mercury metal, 23:34251
KING, J. H. Effects on the solar wind of rotation, self-gravitational attraction, and magnetic fields, 21:3604
KING, J. I. F. Dynamic shielding response of an irradiated plasma, 21:13553 (AD-641899)
KING, J. Jr. Kinetic analysis of the ion—molecule reactions in nitrogen—hydrogen mixtures using ion cyclotron resonance, 23:17443
KING, J. S. Fast-neutron spectra in water and graphite, 21:14027
  Neutron scattering in normal and deuterated polyethylene, 22:18098
  Rapid inverting of the polarization of a neutron beam, 24:24494
  Uranium-235 fission neutron spectrum: 6 to 20 MeV, 22:5828
KING, J. W. Airglow observations and decay of the ionospheric equatorial anomaly, 22:19864
  Atmospheric winds between 100 and 700 km and their effects on the ionosphere, 22:5254
  Behavior of topside ionosphere during storm conditions, 22:9194
  Behaviour of the topside ionosphere at middle latitudes at night, 22:48001
  Corpuscular radiation effects on ionosphere during quiet and disturbed conditions, 22:9192
  Diurnal variations of the electron concentration in the topside ionosphere at low and middle latitudes, 22:9200
  Effect of a solar eclipse on the development of the ionospheric equatorial anomaly, 22:48000
  Effect of atmospheric winds on height of F2-layer peak at middle and high latitudes, 22:22015
  Effects of neutral air winds on ionospheric F layer, 22:52667
  Effects of neutral-air winds on ionospheric F layer, 25:52725
  Energy loss factor for electron collisions in the D region, 22:19880
  Explanation of magnetic declination effect in F2 layer, 23:39372
  Integrated electron content in the equatorial ionosphere, 22:9199
  Ionospheric probing using continuous waves at oblique incidence, 24:26093
  Ionospheric probing using pulsed radio waves at oblique incidence, 24:30244
  Ionospheric probing using vertical incidence sounding techniques, 24:26092
  Long-lasting storm effects in ionospheric D region, 22:24174
  Longitudinal variation of midlatitude ionosphere produced by neutral-air winds. II, 25:27508
  Observations of proton gyro-effects in the topside ionosphere, 22:9198
  Observations of spread ionization in the topside of the ionosphere, 22:9196
  Observations of the topside ionosphere during three solar eclipses, 22:9195
  Phenomena in high-latitude ionosphere at certain UT, 22:19874
  Relationship between 10-cm solar flux and electron concentration in topside ionosphere, 22:19878
  Seasonal anomaly in behaviour of F2-layer critical frequency, 22:47996
  Seasonal behaviour of the topside ionosphere, 22:48024
  Semiannual variation in height of F2-layer peak, 25:58879
  Sporadic E and the F2 layer at middle latitudes, 22:19881
  Studies of resonances and other phenomena on the fixed-frequency topside sounder records, 22:24177
  Time of sunrise effect in the topside ionosphere in summer, 22:19877
  Topside sounder studies of equatorial ionosphere, 23:44295
  Universal time control of Antarctic ionosphere, 25:33157
KING, Jack L. Automated acquisition, cataloging, and circulation in a large research library, 22:39971 (UCRL-50406)
KING, Jack Lester Dominant radiation effects in mouse populations, 22:31036
  Pleiotropy and polymorphism, 21:14138 (UCRL-16898, pp 128-9)
KING, John Increased radiation effects on the small intestinal epithelium of dogs, 24:27618
  X-ray effects on small intestinal epithelium by Actinomycin D, 23:12165
KING, John G. Atomic-beam observations of magnetic field outside a type-II superconductor, 25:33177
  Measurement of helium—helium scattering cross section at low temperatures, 25:35860
KING, John J. Dark repair of ultraviolet-irradiated deoxyribonucleic acid by bacteriophage T4: purification and characterization of a dimer-specific phage-induced endonuclease, 25:42269
  Endonucleolytic cleavage of uv-irradiated DNA, 24:7730
KING, John M. Correlation between photochemistry and high-energy radiation chemistry, 23:9472
KING, John S. Jr. Ion—molecule reactions at energies less than or equal to 30 eV, 21:41783
  Scattering of high-energy atomic beams, 23:22906
KING, John W. Some characteristics of roll-type U deposits at Gas Hills, Wyoming, 21:10475
KING, K. BHMM analysis of the ^{208}Pb(d,p)^{209}Pb/sub g.s./ reaction, 24:43424
  Calculations for stripping on doubly magic nuclei, 25:20282
  Reaction ^{208}Pb(d,p)^{209}Pb gs, 24:38252
  Reactions (d,p) to the ground states of ^{41}Ca and ^{49}Ca, 25:31264
KING, K. J. High-energy calibration using ^{252}Cf neutron source, 25:4223
KING, K. M. Determination of evapotranspiration using the neutron-scattering method, 21:12757
KING, Kenneth W. Aleutian/Amchitka seismic program, 25:34763 (CGS-746-10)
  Earthquakes on and around Nevada Test Site, 1950—71, 25:57589 (CGS-746-12)
  Ground motion and structural response instrumentation, 23:45582 (NVO-40(Rev.2), pp 83-97)
  Project Trinidad: Delta Series Numbers 1, 2, and 3, Sopris, Colorado, 25:21216 (CGS-746-9)
  U. S. Coast and Geodetic Survey seismograph systems, 23:22114 (CGS-C-106)
KING, L. D. P. Application of low critical mass studies to reactor design, 23:28605
  Disposable core fast burst reactors, 23:26089 (LA-DC-10055)
  Liquid jet super flux reactor, 22:25091 (LA-DC-9413)
  Liquid jet super flux reactor (LJSFR), 22:32936
  Proposal for an intense steady-state neutron source, 25:46303 (LA-4723)
KING, L. D. Percival Kinetic intense neutron generator reactor, 25:28650
  Liquid excursion pulsed reactor, 22:6134
  Radiation reactor, 21:8115
KING, L. G. Flow of fluids through soils, 22:25496 (BNWL-481-3, pp 15-17)
  Gamma-ray attenuation for soil water content measurements using ^{241}Am, 23:11639 (BNWL-715(Pt.4), pp 17-22)
  Gamma-ray attenuation for soil-water-content measurements using ^{241}Am, 22:23143
  Mathematical model for underground discharge of radioactive gases, 22:45177 (BNWL-SA-1152)
  Mathematical models for underground injection of gaseous wastes into the Vadose zone, 23:11738 (BNWL-945)
KING, L. J. Campaign to process four prototype HFIR targets in transuranium processing plant, 22:23101 (ORNL-TM-1938)
  Containment of radioactive material in Transuranium Processing Plant, 21:1379 (ORNL-P-2408)
  Containment of radioactive material in the Transuranium Processing Plant, 21:6171
  Containment of radioiodine in the transuranium processing plant, 24:5714
  Molten-salt fluoride volatility pilot plant: recovery of enriched uranium from aluminum-clad fuel elements, 25:34693 (ORNL-4574)
  Pilot plant studies of the decontamination of low-level process waste by a scavenging-precipitation foam separation process, 22:40351 (ORNL-3803)
  Prog. rpt. on transuranium processing plant, 6/68, 23:24222 (ORNL-4376)
  Prog. rpt. on transuranium processing plant, semiannual, 6/69, 24:20792 (ORNL-4447)
  Prog. rpt. on Transuranium Processing Plant, semiannual, 12/31/69, 24:36269 (ORNL-4540)
  Summary of campaign during 7/68 to process fourteen irradiated HFIR targets in Transuranium Processing Plant, 24:5707 (ORNL-TM-2434)
  Summary of the campaign during February 1969 to process six irradiated HFIR targets in the transuranium processing plant, 25:57524 (ORNL-TM-3343)
  Transuranium Processing Plant semiannual report of production, status, and plans, 12/31/68, 24:5676 (ORNL-4428)
  Transuranium processing plant semiannual report of production, status, and plans for period ending June 30, 1970, 25:10654 (ORNL-4588)
  Transuranium processing plant semiannual report of production, status, and plans for period ending December 31, 1970, 25:44403 (ORNL-4666)
  Transuranium Processing Plant, Building 7920, 22:25461 (ORNL-3954)
KING, L. R. Radioiodine-treated thyrotoxic subjects, 22:51439
KING, Lawrence Gray Equation for meson states in quark model, 22:34951 (AD-665663)
  Equation for meson states in quark model and its application, 23:23460
KING, M. Covariant spin operators and transformations, 23:18827
  Prog. rpt. on radioisotope propulsion technology program, final, 10/65—3/67, 21:43197 (STL-517-0049(Vol.6))
KING, M. F. Nitrous oxide/nitrogen isotope exchange on W, 23:2284
KING, M. J. Covariant spin operators and the kinematics of helicity amplitudes, 23:27891
  Implications of local duality in a set of coupled reactions, 25:5352 (SU-1206-235)
  Implications of local duality in a set of coupled reactions, 25:30843
  Implications of local duality in meson—decuplet scattering, 24:28549 (SU-1206-224)
  Implications of local duality in meson—decuplet scattering, 24:35660
  O(4) expansion of off-shell scattering amplitudes and Regge trajectories and residues for arbitrary spins. II, 24:37972
  Restrictions on the angular momentum of t-channel exchanges from s-channel helicity conservation, 25:30757
  Unified treatment of regularized helicity amplitudes for arbitrary spins, 23:46843
KING, Marcia J. Covariant approach to kinematic constraint relations for helicity amplitudes, 24:26523
  Restrictions on the angular momentum of t-channel exchanges from s-channel helicity conservation, 25:33694 (SU-1206-248)
  s-channel helicity conservation constraints on t-channel exchanges, 25:28028 (SU-1206-242)
  s-channel helicity conservation constraints on t-channel exchanges, 25:53157
KING, Matthew Systems analysis of radioisotope thermoelectric generators, 21:41072
KING, Ming-ming Gold—silicon surface barrier detector. II, 24:31711
KING, N. M. Extraction techniques at Nimrod, 25:1672 (RPP/N-22)
  Focusing properties and choice of parameters for beam transport magnets, 22:11776
  IPSO FACTO: program for calculating beam acceptance, 21:13765 (RHEL/R-103)
  Superconducting synchrotron design, 25:33899 (RPP/N-23)

- Target stations in high-energy external proton beams, 22:32268 (CEAL-2000, pp 183-9)
- KING, N. Marshall Particle dynamics in sextupole magnets, 21:46616 (MPS/EP-26)
- KING, N. S. Hard core in multi-GeV K^{+-}p elastic scattering, 23:15139
- KING, N. S. P. Distorted-wave Born-approximation analysis of (p,t) transitions in Ti isotopes, 24:52543
- KING, Nancy Williams Effects of microwave irradiation on behaviors of rat, 24:34653
- KING, P. A. Measurement of H^{14}CN in HCN produced by fission fragment irradiation of nitrogen and methane, 23:2344
  - Radiation chemistry of aqueous poly(ethylene oxide) solutions. I, 24:11634
  - Radiation modification of poly(ethylene oxide), 22:6347
- KING, P. H. Versatile isoresponse plotting system, 21:6567
- KING, Paul A. Irradiated poly(ethylene oxide) and process therefor, 24:4316
  - Prog. rpt. on fissiochemical development, final, 8/66, 21:10369 (AGN-8196(Vol.1))
  - Prog. rpt. on fissiochemical development, final, 8/66, 21:10370 (AGN-8196(Vol.2))
- KING, Paul H. Multicrystal tomographic scanner for mapping thin cross section of radioactivity in an organ of the human body, 25:57754
- KING, Paul N. Uptake of ^{125}I labeled rat gamma globulin by intestinal epithelial cells in the neonatal rat, 25:60278 (NYO-3515-6)
- KING, Perry Jr. Kinetics of electron exchange between hexacyanoferrate(II) and -(III) ions, 21:19635
- KING, Priscilla C. Comparison of methods to assess geometrical variations of the counting-rate in whole-body monitors, 24:2452 (SRRC-31/69)
  - Measurement of total body K with a shadow shield whole-body counter: calibration and errors, 25:46665
- KING, R. PDP-9 system at Univ. of Manitoba cyclotron, 22:47414
- KING, R. B. Ion beam spectra of iron, 23:16639
- KING, R. C. Covariant arbitrary-spin wave functions and helicity couplings, 22:46355
  - Formation and decay of negative-parity baryon resonances in broken $U_{6,6}$ model, 24:28560
  - Generalized Young tableaux and general linear group, 24:15618
  - Missing su(3) multiplets and su(6_,6) selection rules, 22:35061
  - Modification rules and products of irreducible representations of the unitary, orthogonal, and symplectic groups, 25:53262
  - Production and decay of decuplet baryon resonances and broken $U_{6,6}$ symmetry, 21:40229
- KING, R. D. Colour centres in neutron-irradiated calcium oxide, 22:24484
  - Colour centres in neutron-irradiated magnesium oxide, 22:46281
  - Localised electronic states of defect aggregates in neutron-irradiated magnesium oxide, 23:51778
  - Optical absorption studies of colour centres in heavily irradiated magnesium oxide, 21:44190
  - Radiation damage in magnesium oxide. II, 25:52483
- KING, R. E. Improved stability in Zeta, 23:32479
- KING, R. H. Colorimetric determination of minor quantities of nitrate in uranium compounds, 25:28918 (NIM-951)
  - Determination of macroscopic amounts of total rare-earth oxides and thorium oxide, 25:31790 (NIM-998)
- KING, R. J. Rapid determination of half-value thickness, 25:6453
  - Versatile isoresponse plotting system, 21:6567
- KING, R. L. Nuclear magnetic moment of ^{201}Hg by optical pumping, 24:28784
  - Polarization of ground state of even isotopes of Hg^{+} by stepwise electron impact, 23:39334
- KING, R. P. Dynamic testing of mineral processing equipment using radioisotopes, 23:35388
- KING, R. T. Biaxial creep-rupture of 0.2 percent Ti-modified Type-304L stainless-steel tubing, 23:36100
  - Biaxial creep-rupture properties of stainless-steel tubing, 24:32429
  - Creep rupture of Type 316 stainless-steel tubing with artificial defects, 25:40037
  - Creep-rupture properties of neutron-irradiated aluminum alloys, 25:40087
  - Cyclotron simulation of neutron-transmutation produced gases in reactor cladding and structural materials, 25:16558
  - Cyclotron simulation of neutron-transmutation produced gases in reactor cladding and structural materials, 25:29907 (ORNL-TM-3299)
  - Effect of cyclotron-injected helium on the mechanical properties of stainless steel, 21:36888
  - Effect of irradiation on the mechanical properties of aluminum alloys, 22:31434
  - Effects of irradiation temperature and preinjected gases on voids in aluminum, 25:37984
  - Effects of structural imperfections on voids in aluminum, 25:58298 (ORNL-TM-3493)
  - Evaluation of accelerator radiation experiments for reactor damage problems, 24:7057
  - Failure of aluminum tubing in the ORNL 86-inch cyclotron, 25:59643 (ORNL-TM-3523)
  - High-neutron fluence damage in an aluminum alloy, 24:25759
  - Irradiation damage to aluminum and aluminum alloys, 25:29905 (ORNL-4630, pp 239-60)
  - Irradiation damage to aluminum and aluminum alloys, 25:49488 (ORNL-TM-3300, pp 276-94)
  - Neutron-irradiation damage in Al, 24:14850
  - Postirradiation examination of failed HFIR target elements, 22:4829
  - Production of displacement damage by light ions, 24:40160 (ORNL-TM-3013)
  - Supervoids in irradiated aluminum, 24:35542
  - The computer: an aid for analyzing and processing creep-rupture data, 24:2410
- KING, R. W. Petroleum, 25:31782
- KING, Richard Lien-chao Determination of nuclear magnetic moment of ^{201}Hg, 25:20397
- KING, Robert Preoperative irradiation in bronchogenic carcinoma, 21:22549
- KING, Robert B. Lifetimes of some Fe I states by beam-foil spectroscopy, 24:1272
- KING, Robert B. Jr. Social institutions and thermonuclear war: case study of higher education, 21:22065 (NP-16693)
- KING, Robert C. Variations in radiosensitivity of oocyte chromomomes during meiosis in Drosophila, 24:41860
- KING, Robert E. Real-time isoactivity contour plotter for rectilinear scanners, 24:36669
- KING, Robert G. Jr. Effects of laser on retina, 23:50848
- KING, Robert H. Limits of error model for PuO_2 + UO_2 fuel fabrication inventory, 25:32168 (CONF-700541-, pp 140-52)
- KING, Robert J. Electronic isodose dose plotter interface for analog display, 23:38374
- KING, Ronold W. P. Antennas and waves: modern approach, 24:26904
  - Excitation of internal circuitry by the propagation of an electromagnetic field through a transverse slot in a missile skin, 25:18308 (SC-R-70-4339)
  - Exposed two-wire transmission line electromagnetically coupled to a rocket, 25:41667 (SC-R-713258)
  - Scattering by imperfectly conducting spheres, 24:49278 (SC-R-70-4277)
  - Transmission line coupled to a cylinder in an incident field, 25:37228 (SC-R-713250)
- KING, Roy Thomas Numerical methods for sintering by volume diffusion, 22:10925 (ORNL-TM-2014)
- KING, S. P. Oak Ridge computer-controlled x-ray diffractometer, 22:10633 (ORNL-4143)
  - Triple-axis neutron spectrometer—computer interface, 22:49097 (ORNL-TM-2246)
- KING, S. R. Stagnation liquid layer ablation of small spheres in hypersonic transition flow, 24:14158 (SC-CR-69-3162)
- KING, S. T. Infrared spectra of Ar matrix-isolated cyanamide, cyanamide-d_2, and carbodiimide, 25:15600
- KING, S. V. Analysis of x-ray and neutron diffracted intensities calculated for a random network model of vitreous silica, 21:40078
- KING, T. A. Photon pile-up in lifetime determination by single-photon counting, 24:19205
- KING, T. J. Neutron scattering cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 25:23035
  - Neutron scattering measurements in low-energy Cd and Rh resonances, 23:5900
  - Neutron scattering measurements in the resonance region, 24:52583
  - New technique for measuring weak neutron scattering in low energy resonances, 21:28237
- KING, T. R. Nuclear reaction measurements on silicon detectors, 25:6549
- KING, T. T. Effect of applied current on stress corrosion of beryllium, 23:41545
- KING, Theodore Computer simulation of hot-zone reactions, 22:42723 (COO-1618-7)
- KING, Thomas J. Neutron-scattering measurements in the resonance region, 24:47660
- KING, Venetia Permeability of skin to deuterated and tritiated water, 23:35102
- KING, Vincent Leukemogenesis in the rat: further observations, 25:44914
- KING, W. C. Fission gas release curves: growth and decay from fission of ^{239}Pu by fission spectrum neutrons, 23:47664 (UCRL-50656)
  - Radiological health aspects in underground nuclear testing, 22:497 (UCRL-70608)
- KING, W. F. Calculation of phonon dispersion relations in Be, 24:15415
  - First-principle pseudo-potential calculation of the elastic shear constants of beryllium, 23:8691
- KING, W. H. Interpretation of isotopes shifts in neodymium, 23:18443
  - Isotope shift measurements in spectrum of trebly ionized cerium (Ce IV), 23:18444
  - Isotope shifts in medium-heavy elements, 21:12040
- KING, W. J. Solar cell integral coverslips, 23:7924
- KING, W. L. Role of disulphide bonds in the resistance of B. cereus spores to gamma irradiation and heat, 21:24483
- KING, W. T. Infrared dispersion in liquid benzene and benzene-d_6, 25:4064
- KING, Wen-juin Control and stability analysis of the pinch-fission fast-breeder cavity reactor, 25:34331
- KING, William Closed circuit television in laser investigations, 21:18054
- KING, Wm. C. Magnetic moments of the first 2^{+} states in ^{192}Os and ^{192}Pt, 25:17859 (COO-1746-53)
- KINGABY, G. P. Lung scanning with radioactive gases, 23:19952
- KING ASSIS, Benedito G. Activity of ionizing radiation on fertile eggs of Triatomideos-Rhodnius prolixus, 25:19099
  - Activity of ionizing radiation on fertile eggs of Triatomids Rhodnius prolixus, 25:46963
- KINGDON, F. C. Automatic rescaling of neutron kinetic equations, 24:38627
  - Fixed diode function generating equipment, 22:22889 (AEEW-M-749)
- KINGDON, J. Errors introduced into thermocouple systems, 24:36642 (DP-Report-77)
  - Monitoring fluidised beds by pressure measurements, 25:2767 (DP-Report-378)
  - Power connector for graphite heaters, 24:39106 (DP-Report-125)
  - Yield and angular distribution of excited H atoms formed in targets, 24:37235
- KINGDON, Kenneth H. Indirect inactivation of deoxyribonucleic acid, 21:28360
- KINGERY, Marshall K. Sliding electrical contact materials for use in ultrahigh vacuum, 21:24843
- KINGERY, W. D. Basic research in crystalline and noncrystalline ceramic systems. Annual report, 25:42983 (MIT-3773-103)
  - Crystal defects in UO_2 and UO/sub 2+x/, 21:20576 (CEA-S-5)
  - Effects of neutron irradiation and annealing on Al_2O_3 and MgO, 22:772
  - Inhibition of sintering by developing gas pressure in the pores, 22:19558
  - Inhibition of sintering due to development of gas pressure in the pores, 25:52306 (LA-tr-71-59)
  - Measurements of densities of uranium dioxide and uranium carbide irradiated at low temperatures, 22:28856
  - Prog. rpt. on basic research in crystalline and noncrystalline ceramic systems, annual, 4/70, 24:32502 (MIT-3773-84)
  - Sintering of crystalline oxides. I, 22:31492
  - Sintering of crystalline oxides. II, 22:31493
- KINGERY, William-David Measurement of density of uranium dioxide and uranium carbide samples irradiated at low temperature, 22:4903 (CEA-R-3289)
- KINGHAM, D. J. Tritium—hydrogen exchange in insoluble collagen, 24:41723
- KINGHAM, M. W. J. Spurious pulses in Ar—CH_4 filled proportional counters, 25:23808
  - Spurious pulses in methane filled proportional counters, 23:35482
- KING-HELE, D. G. The variation of air density at a height of 220 km in the first half of 1966, 21:37275 (AD-650941)
  - Upper atmospheric density in 1966—67, 22:7208
  - Variations in air density at heights near 150 km, 22:17489
- KING III, Walter F. Lattice dynamics of beryllium from a first-principles nonlocal pseudopotential approach, 24:51820
- KING III, Walter Francis Lattice dynamics of Be, 24:21899
- KINGMA, R. Veenenga Birefringence of hexagonal ^{4}He at various densities, 21:31480
- KINGMAN, Donald D. Growth of LiH single crystals, 21:34253 (UCID-15143)
- KINGSBURY, Charles A. Spectral properties and hydrogen—deuterium exchange in benzophenones, 21:30417
- KINGSBURY, F. Radiation effects on fast reactor cladding and structural materials, 21:9198 (GEMP-61, pp 33-54)
  - Radiation effects on fast reactor cladding and structural materials, 22:15225 (GEMP-1002, pp 38-64)
  - Radiation effects on fast reactor cladding and structural materials (1304), 23:30099 (GEMP-1010, pp 45-98)
  - Radiation effects on fast reactor cladding and structural materials, 24:14811 (GEMP-1013, pp 167-223)
- KINGSBURY, F. D. Effects of neutron irradiation on creep—rupture of W—^{25}Re alloy, 22:19603
  - Effects on neutron irradiation of the mechanical properties of molybdenum, 24:6237
  - Influence of boron on the creep-rupture properties of a neutron irradiated precipitation hardening iron base alloy, 21:18296 (CONF-660627-14)
  - Influence of elevated-temperature irradiations on the creep-rupture properties of polycrystalline molybdenum, 22:4821
  - Influence of irradiation temperature on creep-rupture of Mo, 24:14853
  - Radiation effects on fast reactor cladding and structural materials, 23:6705 (GEMP-1004, pp 89-177)
  - Radiation effects on fast reactor cladding and structural materials, 23:24958 (GEMP-1008, pp 51-113)
  - Radiation effects on fast reactor cladding and structural materials, 24:10114 (GEMP-1012(Pt.1), pp 71-262)
- KINGSBURY, P. I. EPR studies of Ti interstitials in n-type rutile, 22:9421 (COO-1284-6)
- KINGSBURY, Raphaella Japanese research in physics and chemistry index and translated contents of Busseiron—Kenkyu (1943-62), 21:12385 (UCRL-14288)
- KINGSEN, A. S. Nonlinear interactions of ion-acoustic waves and helicons in plasma, 25:30607
- KINGSEP, A. S. Anomalous resistance of plasma during turbulent heating, 24:23948
  - Evolution of the wave spectrum in a plasma due to stimulated scattering, 24:19932
  - Investigation of turbulent plasma noise by means of a magnetic spectrum analyzer, 25:40611
  - Nonlinear effects on current instability in plasma, 23:27651
  - Nonlinear interactions of waves in a weakly turbulent plasma with the participation of ion sound, 21:27161
  - Quasilinear relaxation of ion-acoustic wave spectrum in plasma, 24:24089
- KINGSLEY, Barbara L. Distribution of ^{171}Tm in rats, 24:34025 (LF-41, pp 130-5)
  - Retention of ^{171}Tm following inhalation of oxide by beagle dogs, 25:29425 (LF-43, pp 71-8)
- KINGSLEY, G. R. Clinical chemistry, 25:31775
- KINGSLEY, Gordon F. Self-shielded festoon for electron irradiation apparatus, 24:16762
- KINGSLEY, R. S. Dibutyl butyl phosphonate as an extractant for Pu, 21:24064 (HW-69910)
  - Solvent extraction recovery of americium with dibutyl butyl phosphonate, 21:145 (ISO-SA-7)
- KING-SMITH, Eric A. Oscillatory nature of hemopoiesis, 25:16336
- KINGSTON, A. E. Absorption of x rays by interstellar gas, 21:43709
  - Accurate first Born approximation cross sections for excitation of helium by fast protons, 23:5239
  - Accurate first Born approximation cross sections for excitation of He by fast electrons, 23:12568
  - Born cross sections for electron and proton excitation of helium, 23:5240
  - Born cross sections for electron impact excitation of 2 ^{1}S and 3 ^{1}S states of atomic helium, 22:31652

Bound—free absorption coefficient of the negative hydrogen ion, 21:23005
Comments on the photoionization of helium, 25:9205
Cross sections for electron loss from fast H atoms passing through He and fast He atoms passing through H and He, 23:41966
Cross sections for ionization of H and He by electron and proton impact, 24:45018
Effect of electron exchange in the excitation of atomic helium by electron impact, 22:36720
Electron ionization of degenerate levels of excited states of atomic hydrogen, 22:43865
Electron loss from fast metastable H atoms passing through H and He, 25:24901
Electron loss, ionization, and production cross sections for He ions incident on atomic He, 24:17671
Excitation of ground state of He to the 2^{1}P state by fast electrons, 22:36738
Excitation of helium by fast electrons, 22:36739
Excitation of helium by fast protons, 22:21897
Excitation of helium by fast protons, 22:29255
Excited atoms in decaying optically thick plasmas, 21:33440
Generalized oscillator strengths for the ionization of atomic helium, 25:976
Ionization of complex atoms by electrons and protons, 24:32652
Ionization of helium by high-energy protons, 23:39324
Ionization of helium by high-energy electrons, 24:4998
Penning ionization by metastable helium atoms, 22:24051
Photoionization of Li^{+}, 21:14981
Photoionization of the helium atom, 21:11414
Use of classical mechanics in the treatment of collisions between massive systems, 25:11733
KINGSTON, F. G. Asymmetry measurements for reaction ^{10}B(p,d)^{9}B induced by polarized protons, 25:34009
Depolarization measurements in the elasic scattering of protons by deuterons, 25:48017
Elastic and inelastic scattering of ^{3}He particles from ^{10}B at 32 MeV, 23:1803
Elastic scattering of 50.8 MeV protons from the even samarium isotopes, 24:45782
Nucleon—nucleon final-state interactions in the reactions ^{3}He(p,d)2p, ^{4}He(p,t)2p, and ^{4}He(p,^{3}He)pn, 23:32896
Polarization in elastic scattering of 30-MeV protons by ^{3}He, 22:26800
Polarization in the elastic scattering of 9.5- and 21.6-MeV protons by deuterons, 23:8932
Reactions ^{26}Mg(p,t)^{24}Mg and ^{26}Mg(p,^{3}He)^{24}Na at 50 MeV, 23:13253
Search for excited states in ^{3}He by the ^{3}e(p,p')^{3}He* reaction, 22:15943
Target-spin dependence observed in 50 MeV ^{3}He elastic scattering, 24:22107
KINGSTON, Floyd E. Field effect transistors at 4.2°K, 22:23378
KINGSTON, J. V. Preparation of a new thorium 8-hydroxyquinolinate, 22:2059
KINGSTON, John G. Analysis of two-dimensional aligned-field magnetogasdynamic flows, 23:18492
Solutions to a class of MHD flows, 24:17733
KINGTON, B. W. Investigations of the proximity effect by electron tunneling, 23:14732
KINGTON, J. D. Manganese bath measurements of eta of ^{233}U and ^{235}U, 21:7767 (CF-60-2-84)
KINK, R. A. Capture of holes by Tl^{+} centers in KI:Tl, 22:5441
Electron—hole component of the radioluminescence of alkali metal halide scintillators, 21:21061
KINKADE, K. H. Contact maintenance and equipment evaluation after six years of continuous remote operation inside a hot cell, 25:4300
Contact maintenance and equipment evaluation after six years of continuous remote operation inside a hot cell, 25:51782
Entering a hot cell after six years of remote spent-fuel processing, 25:4299
Entering a hot cell after six years of remote spent-fuel processing, 25:51781
KINKAID, Donald Eugene Inelastic scattering of nucleons from ^{7}Li, 25:12384
KINKEAD, A. N. Dragon reactor fuel-handling equipment, 24:52937
Integrated primary circuits with individually removable boiler units for HTGCR, 23:28477
Performance of thermal insulation immersed in helium, 25:30030 (EUR-4531, pp 931-52)
Pressure vessels for helium high-temperature reactors, 23:11231
Stress concentration adjacent to reinforced circular penetrations closely pitched transversely to a unidirectional stress with special reference to prestressed concrete reactor vessels. project dragon, 24:40946 (DP-Report-353)
Stress concentrations around unreinforced circular holes in a plate under unidirectional stress. project dragon, 24:41573 (DP-Report-344)
KINKEAD, Alfred Norman Improvements in or relating to devices for estimating the stress in concrete structures, 25:48705
Improvements in or relating to prestressed concrete pressure vessels, 22:20964
KINKEAD, Arthur Norman Closure device for pressure vessel penetration, 23:24055
KINKEL, H. J. Pasteurization of cold marinades by ^{60}Co gamma rays, 21:26722
KINLEN, L. J. Diagnostic irradiation, congenital malformations and spontaneous abortion, 23:10101
KINMAN, T. D. Brightness and polarization of 3C 345, 22:29027
Optical brightness variations and polarization of the quasi-stellar radio source 3C 446, 21:6939
Optical polarization measures of five radio sources, 21:28880
Optical variations in 3C 345, 24:4927
Quasi-stellar object with a redshift of 2.22 and an unusual absorption spectrum, 21:16755
Radio and optical data on sixteen quasi-stellar objects, 21:16757
Redshifts of twelve quasi-stellar objects, 23:8394
Spectroscopic observations of nineteen quasi-stellar radio sources, 21:28882
Variable galaxies, 23:5188
KINMONTH, J. B. Comparison of endolymphatic ^{32}P and ^{131}I lipids in rabbit, 22:51781
Endolymphatic radiotherapy, 24:7967
Endolymphatic therapy for malignant melanoma, 22:51841
Endolymphatic therapy of VX2 tumor in L. cunciculus, 21:24467
Histologic effects of endolymphatic radiotherapy, 23:35899
Lymphatic and visceral irradiation, 24:9832
Lymphopenia in man after intralymphatic injection of radioactive ^{131}I-Lipiodol, 21:34698
KINNA, Marlin Filament-wound boron in electrodeposited aluminum matrix, 23:48551
KINNA, Marlin A. Autoradiography of plastics composite materials for aerospace applications, 21:8558
KINNAERT, P. Effect of ^{32}P chromium phosphate on immune reactions, 24:34151
Immune responses after intralymphatic injection of ^{32}P—chromium phosphate in dog, 23:48004
KINNAMON, Kenneth E. Radiation and wound healing, 21:14744
KINNANE, J. A. Electromagnetic separation and chemical refinement of lead isotopes, 21:30632 (ORNL-4107)
KINNE, G. C. Heat exchanger tube vibration and repair in the high flux beam reactor, 21:38658 (BNL-11585)
KINNE, Gerald C. Heat-exchanger tube vibration and repair in the HFBR, 21:35732
KINNE, I. L. Commercial prospects for selected irradiated foods, 22:49670
Commerical prospects for selected irradiated foods, 23:21863 (TID-24058)
KINNEBERG, Keith Complete isotopic fractionation of penta-O-trimethyl-silyl-D-glucose and penta-O-trimethyl-d_{45}-silyl-D-glucose by gas liquid chromatography mass spectrometry, 24:18979
KINNEBROCK, W. One-dimensional transport program DTK, 25:48343 (KFK-1381)
Strategies for accelerating two-dimensional SN methods by coarse lattice technique, 25:60224 (EURFNR-899)
Strategy for speeding up two-dimensional SN-methods with help of the coarse lattice technique, 25:31653 (KFK-1361)
KINNEIR, J. H. Burn-out power and pressure drop measurements on 12-ft. 7-rod clusters cooled by Freon-12 at 155 psia, 24:24832 (AEEW-R-655)
Possible mechanism of subcooled burnout, 21:26042 (AEEW-M-725)
Visual study of forced convection boiling. II, 21:28147 (AEEW-R-506)
KINNER, H. R. Design of a superconducting alternator, 22:45232
KINNERSLEY, W. M. Nonlinear radiative interactions in general relativity, 24:33045
KINNERSLEY, William Field of an arbitrarily accelerating point mass, 24:13173
Type D vacuum metrics, 23:39828
Uniformly accelerating charged mass in general relativity, 25:1628
KINNERSLEY, William Morris Type D gravitational fields, 23:39831
KINNEY, G. F. Permeability of sintered tungsten, 21:9148
KINNEY, Gene T. Bumines chief says nuclear blasts offer key to future supply, 23:9600
Petroleum's most dramatic recovery experiment near, 22:42927
KINNEY, R. D. Evaporative erosion of thermoelectric elements in some thermoelectric generators, 24:48868 (SC-RR-70-534)
KINNEY, Ragon D. Study of the effect of the evaporative erosion on thermoelectric elements on the performance of thermoelectric generators, 25:14084 (SC-RR-70-804)
KINNEY, Ralph A. Microwave measurements of high electron densities using the complex reflection coefficient, 22:44104
Modeling errors in microwave plasma diagnostics employing the reflection coefficeint, 21:42045
KINNEY, Ralph Arden Plasma diagnostics using a loaded waveguide, 22:50141
KINNEY, W. E. Al neutron elastic- and inelastic-scattering cross sections from 4.19 to 8.56 MeV, 24:52475 (ORNL-4516)
Calcium neutron elastic- and inelastic-scattering cross sections from 4.0 to 8.5 MeV, 24:28734 (ORNL-4519)
Calculated ^{56}Fe neutron elastic and inelastic scattering and gamma-ray-production cross sections from 1.0 to 7.6 MeV, 24:43187
Calculated ^{56}Fe neutron scattering and gamma-ray production cross sections, 22:41979 (ORNL-4249)
Carbon neutron elastic- and inelastic-scattering cross sections from 4.5 to 8.5 MeV, 24:13280 (ORNL-4441)
Finite-sample corrections to neutron scattering data, 24:38073
Modification and further development of Nucleon Transport Code, 23:25941 (ORNL-TM-1866)
Neutron elastic- and inelastic-scattering cross sections for Co in the energy range 4.19 to 8.56 MeV, 24:38143 (ORNL-4549)
Neutron elastic- and inelastic-scattering cross sections for Si in the energy range 4.19 to 8.56 MeV, 24:38141 (ORNL-4517)
Neutron elastic- and inelastic-scattering cross sections for Mg in energy range 4.19 to 8.56 MeV, 24:38144 (ORNL-4550)
Neutron elastic- and inelastic-scattering cross sections for ^{56}Fe in the energy range 4.19 to 8.56 MeV, 24:40574 (ORNL-4515)
Neutron elastic- and inelastic-scattering cross sections for Na in the range of 5.4 to 8.4 MeV, 24:43185 (ORNL-4518)
Neutron elastic- and inelastic-scattering cross sections for yttrium in the energy range 4.19 to 8.56 MeV, 25:9999 (ORNL-4552)
Nickel-60 neutron elastic- and inelastic cross sections from 6.5 to 8.5 MeV, 24:28735 (ORNL-4523)
Re-evaluation of natural iron neutron and gamma-ray production cross sections-ENDF/B material 1124, 25:38927 (ORNL-4617)
Reevaluation of natural-iron neutron and gamma-ray production cross sections: ENDF/B material 1124, 25:41216
Sulfur neutron elastic- and inelastic-scattering cross sections from 4.0 to 8.5 MeV, 24:38142 (ORNL-4539)
Theoretical study of elastic and inelastic scattering cross sections of fast neutrons of sulfur, 25:17830
Vanadium neutron elastic- and inelastic-scattering cross sections from 4.19 to 8.56 MeV, 25:3595 (ORNL-4551)
KINNEY, William E. Neutron elastic and inelastic scattering from ^{56}Fe from 4.60 to 7.55 MeV, 22:11918 (ORNL-TM-2052)
KINNEY, William Elmer Neutron elastic and inelastic scattering from ^{56}Fe from 4.60 to 7.55 MeV, 23:10983
KINNUNEN, J. Determination of rare earths in phosphate rock, 21:15866
Determination of rare earths in phosphate rock by atomic absorption flame photometry, 21:15867
Determination of rare earths in phosphate rock by atomic absorption flame photometry. II, 22:2001
Rapid determination of rare earth metals in phosphate rock, 22:33216
KINO, G. S. Effect of magnetic field and collisions on the ion current to a cylindrical probe, 23:36658
Helicon-wave propagation in InSb, 22:1283
Longitudinal oscillations in bounded one-dimensional nonuniform plasmas, 22:17685
Longitudinal oscillations in bounded one-dimensional nonuniform plasmas, 24:26245 (AD-697979)
Turbulent diffusion experiments in a thermal plasma, 22:17617
Variational technique for determining the propagating modes of a finite plasma, 21:7231
KINO, Gordon S. Accuracy of numerical solutions for electron gun design, 21:45483
KINO, S. Cosmic ray angular distribution underground at 1500 hg/cm^{2} (Kolar), 22:47857
Kolar Gold Field neutrino experiment, 24:15454 (CERN-69-28, pp 81-93)
KINO, Shigeru Historical review of technology of air shower observation, 24:32698
KINO, Takao Radiation damage studies using the low temperature irradiation facility. II, 25:36286
KINOSHITA, Fumio Iodine-131 thyroid uptake rate in various thyroid disorders, 21:8888
Iodine-131-T$_{3}$ resin sponge uptake after ^{131}I treatment of hyperthyroidism, 24:2817
KINOSHITA, J. H. Biochemical changes in microwave cataracts, 21:18125
KINOSHITA, Jin H. Effects of ionizing irradiation on lens cation permeability, transport, and hydration, 23:29752
Rate of potassium exchange of galactosemic rat lenses, 21:47004 (CONF-670805-2)
KINOSHITA, K. Dynamical separation of the resonance term from the background term, 22:50469
n-p Mass difference and the mass splittings of N*(1238 MeV), 21:2426
KINOSHITA, Katsuhiro Scinticamera, 24:19221
Shimadzu RTGS-2, 24:19136
KINOSHITA, Kenichi Role of antioxidants in inducing mortalities of mice and dogs due to ^{198}Au hemorrhagic shock, 22:15040
KINOSHITA, Kisei Behavior of masses and coupling constants in two processes involving vanishing Z$_{3}$, 21:2523
Decay modes of higher resonances, 23:10822
Degeneracy of Regge trajectories, 23:46848
Double N/D method, 22:5667
Dynamical implication of the πN P$_{11}$ data, 24:42975
Effect of hidden channels on low-lying channels, 22:32219
Goldberger—Treiman relation and elementarity of pion, 22:1428
Local duality in invariant amplitudes for πN scattering, 25:9796
New approach to the construction of multichannel amplitudes, 21:46603
Particle exchange, Regge pole exchange, and generalized potential in πN scattering, 24:47456
Particle exchange, Regge-pole exchange, and the Veneziano amplitude for KN scattering, 25:56518
PiN phase shift in the ^{33}P state, 22:17959
Regge pole exchange and oscillatory behavior in K^{+}p scattering, 24:42990
KINOSHITA, Kojiro Intensity distribution of roentgen focal spot, 23:31763
Optical transfer function of radioisotope scanning. I, 21:20246
KINOSHITA, M. Delayed luminescence of organic mixed crystals. IV, 23:2292
Improved radiophotoluminescent dosimeter and new nuclear track detector, 23:47858
Radiation protection monitoring associated with Pu fuel fabrication in Japan, 23:48060
Radiocardiogram analysis by analog computer simulation, 23:29648
KINOSHITA, Makoto Grain growth of zirconium diboride, 23:41748
Hot-pressing of zirconium diboride—lanthanum hexaboride mixtures, 23:41718
Hot-pressing of zirconium diboride—molybdenum disilicide mixtures, 24:44803
KINOSHITA, Masahiro Color radiography, 21:10556
Remote and automatic safety device, 23:17651

- KINOSHITA, Mutsumi Air-contamination control in the Pu fuel development facility, 22:27970
- KINOSHITA, N. Elastic fields of inclusions in anisotropic media, 25:34446 (COO-2034-4)
  - Green's functions for anisotropic elasticity, 25:34447 (COO-2034-5)
- KINOSHITA, Shosaku Method for improving perfume with ionizing radiation, 22:10313
  - Method for producing a perfume with ionizing radiation, 22:10311
  - Method for producing heliotropine perfume by radiation, 21:5969
  - Producing vanilline by irradiation, 22:23081
  - Refining geraniol by irradiation, 22:23082
- KINOSHITA, T. Criterion for the power behavior of the scattering amplitude at high energy, 21:33787
  - Hadronic contributions to the muon magnetic moment, 21:37744
  - Lower bounds for the absorptive part of the scattering amplitude at high energy, 22:11738
  - Sixth-order radiative corrections to the muon magnetic moment, 21:44248
  - Violation of Pomeranchuk theorem and zeros of scattering amplitudes, 25:43576
- KINOSHITA, Takehiko Neutron flux measuring device, 23:33390
- KINOSHITA, Toichiro Anomalous magnetic moment of the muon, 22:46371
  - Deep inelastic scattering of electrons on a photon target, 25:50097
  - Dominant colliding-beam cross sections at high energies, 24:49388
  - Forward scattering amplitude at high energy, 21:13740
  - High-energy behavior of scattering amplitude in unphysical region $0 < t < 4m^2$, 21:9863
  - Large leptonic weak interactions in high-energy e^+e^- collisions, 24:45463
  - Number of subtractions in partial-wave dispersion relations, 21:19074
  - Photon—photon scattering contribution to the sixth-order magnetic moment of the muon, 23:42628
  - Pomeranchuk-like theorem that can be proved, 25:7627
  - Sixth-order magnetic moments of the muon and electron, 24:37697
  - Vacuum-polarization contributions to the sixth-order anomalous magnetic moment of the muon and electron, 25:14616
- KINOSHITA, Y. Dynamical separation of the resonance term from the background term, 22:50469
- KINOSHITA, Yukiko Effect of hidden channels on low-lying channels, 22:32219
  - Inelastic resonances with the repulsive background, 24:3685
- KINOUCHI, Tsuneo Fallout in Tokushima district. III, 24:7530
- KINRA, Vikram K. Boundary corrections for a coaxial three-coil conductivity—velocity plasma probe, 23:27609 (N-69-15308)
- KINSEY, B. B. Neutron cross-section measurements of ^{12}C between 14 and 25 MeV, 22:53111
  - Proton and neutron resonances in nitrogen, 22:53125
  - Reactions with protons on nitrogen, 22:29924
- KINSEY, C. H. Development of xenon lamp explosives initiator, 24:46154 (SC-DR-70-306)
- KINSEY, D. V. Carbon deposition studies. project dragon, 25:747 (DP-Report-331)
  - Carbon transport studies for helium cooled high temperature reactors. project dragon, 25:3860 (DP-Report-491)
  - Graphite corrosion and radiolysis of carbon dioxide in IPCTL, 25:8067 (DP-Report-449)
  - Helium coolant chemistry and basic design of molecular sieve absorption plant, 25:51072
  - Some aspects of carbon transport in high temperature gas cooled reactors. project dragon, 24:43756 (DP-Report-365)
- KINSEY, Denis Graphite corrosion and CO_2 radiolysis in loop experiments with He, 21:20549
- KINSEY, Denis Victor High-temperature gas-cooled reactors with internal fission by-product trapping means, 21:10188
- KINSEY, J. H. Solar proton event of August 28, 1966, 23:36428
- KINSEY, James H. Highly variable component in low-energy cosmic rays, 24:12941
  - Survival of heavy nuclei in Colgate's supernova cosmic-ray acceleration model, 23:22943 (N-68-37233)
  - Survival of heavy nuclei in Colgate's supernova-acceleration model for cosmic rays, 24:1304
- KINSEY, James Humphreys Low-energy cosmic rays at 1 A. U, 25:30161
- KINSEY, James L. Crossed molecular beam reactions of tritium bromide, 21:35958
  - Molecular reorientation in collisions between an atom and a diatomic molecule, 23:12534
  - Spin—lattice relaxation and the anisotropic part of the He—H_2 intermolecular potential, 23:12526
  - Velocity corrections for total scattering cross sections, 25:58757
- KINSEY, K. F. Two-nucleon emission following absorption of stopped negative pions, 22:13945
- KINSEY, R. Investigation of 1.4 GeV/c^2 nucleon isobar in proton—proton interactions, 23:7083
- KINSEY, R. P. Small power reactors for industrial applications, 21:38600
- KINSEY, R. R. Analysis of 28.5 GeV/c pp interactions producing 6 or more charged particles, 23:34525 (BNL-13694)
  - Differential cross section of $p + p \rightarrow p + M$ ($M < 2.1$ GeV) at 29 GeV/c, 24:47377
  - Four-body strange-particle production in pp collisions at 6 GeV/c, 24:40256
  - Observation of $Y^{*+}(1385)K^+$ and $N^{*++}(1236)$rho^0 decays of a nucleon resonance, 22:44327
  - Production of K mesons in three-body states in proton—proton interactions at 6 GeV/c, 22:15675
  - Reactions of the type $pp \rightarrow \Delta^{++} + M$ at 28.5 GeV/c, 24:35608
  - Role of human guidance in fast measurement system, 23:11845 (BNL-13060)
  - Single-particle distributions of π mesons produced in π^+p, K^+p, pp, and π^-p collisions at high energies, 25:38670
  - Single-particle distributions of π-mesons produced in π^+p, K^+p, pp, and π^-p collisions at high energies, 25:43554 (UR-875-340)
- KINSEY, Robert Ronald Zero strangeness resonance production in 6 GeV/c proton—proton collisions, 22:46324 (UCRL-17707)
  - Zero strangeness resonance production in 6 GeV/c proton—proton collisions, 23:44596
- KINSEY, V. Everett Kinetics of pump-leak system of transport in ocular lens, 24:11360 (COO-2012-1)
  - Prog. rpt. on biochemical studies on ocular lens in relation to cataractogenesis, 12/68—1/70, 24:16968 (COO-2012-4)
  - Prog. rpt. on biochemical studies on ocular lens in relation to cataractogenesis, 2/70—1/71, 25:8147 (COO-2012-8)
  - Prog. rpt. on the ocular lens in relation to cataractogenesis, semiannual, 1/68—6/68, 23:11999 (TID-24829)
- KINSINGER, R. E. Continuum equations for finite beta plasma systems, 22:1184 (LA-3770, Paper B6)
  - Finite Larmor radius effects in magnetosonic pulse, 24:8505
  - Finite Larmor radius effects in plasmadynamics, 24:8504
  - Finite temperature effects in a magnetosonic disturbance, 24:47277 (NYO-3782-4, App.1)
  - Nonadiabatic treatment of finite temperature effects in a magnetosonic disturbance, 25:40640
- KINSINGER, Richard Estyn Magneto—acoustic disturbances in a warm Vlasov plasma, 24:6570
- KINSKY, R. Protection against homologous disease by immunologic facilitation, 22:47474
- KINSMAN, George Turkey Point Nuclear Generating Units, 21:19368 (NP-16146(Suppl.5))
- KINSMAN, K. R. Electron microprobe study of the carbon content of ferrite and bainite in Fe—C—Mo and Fe—C—Cr alloys, 25:16536
  - Origins of microstructures resulting from precipitation, 25:29888
- KINSMAN, Simon State partnership in environmental health of Plowshare projects, 24:23150 (SWRHL-82, pp 736-51)
  - State-federal role in radiation control, 24:34370 (CONF-690335, pp 77-83)
- KINSON, J. B. Antiproton—proton annihilation into kaons and pions in the momentum region 3 to 4 GeV/c, 22:3271
  - Evidence for a πeta resonance at 970 MeV, 23:44605
  - Evidence for the existence of mesons decaying to four pions, 21:18903
  - Evidence of an $\omega\pi\pi$ resonance in $I = 1$ state at mass of 1695 MeV, 23:36849
  - Neutral πrho enhancements produced in 8-GeV/c π^+d interactions, 23:36848
  - Observation of Σ resonances in the 1670-MeV mass region, 24:37653
  - Production of $p\pi^+\pi^-$ enhancements from reaction $K^-p \rightarrow K^- p\pi^+\pi^-$ at 3.9, 4.6, and 7.3 GeV/c, 24:6695
  - Production of the L meson in the final state $K^-p \rightarrow K^-\pi^+\pi^-p$ at 4.6 GeV/c, 24:37652
  - Properties of $\Sigma(1660)$ produced in K^-p interactions at 3.9, 4.6, and 5.0 GeV/c, 23:44599 (BNL-13823)
  - Two-body hyperon production by 5.7 GeV/c antiprotons on protons, 24:5242
- KINSTLE, Thomas H. Addition of H chloride and hydrobromic acid to 2,3-dideuterionorbornene, 21:3045
  - Mass spectrometry, 23:15805
- KINT, A. Histochemistry of enzymes of irradiated follicles of guinea pigs, 23:29356
- KINTNER, E. E. LMFBR fuel design: why can't we do better, 25:34362
  - Status and experimental progress in the LMFBR program, 25:39208 (A/CONF.49/P-45)
  - Status of engineering design and irradiation testing of the stainless clad-mixed oxide fuel system for fast breeder reactors, 25:39249 (A/CONF.49/P-77)
- KINTNER, Eric C. New radial velocities of galaxies from image-tube spectra, 25:35779
- KINTNER, L. L. Full power operation of Elk River Boiling Water Reactor, 22:18355 (ACNP-64546)
  - Pathfinder Atomic Power Plant two-phase level measurements and steam dryer efficiency measurements, 21:25614 (ACNP-67517)
  - Superheater fuel thermocouple calibration and radiation cooling tests, 21:12117 (ACNP-66570)
- KINTRAYA, P. Ya. Marrow haematopoiesis under ionizing radiation and chemical substances used in combating malignant tumors, 23:29887
- KINUGASA, Keiji Radiation induced chromosome aberrations in the generation cycle of the bone marrow cells of the rat, 21:14622
- KINZER, J. E. Design, assembly, and operation of U Zr—hydride fuel irradiations, 21:21762 (CONF-660511-, pp 3.8.1-21)
  - Miniaturized neutron flux sensor for LMFBR environment, 22:12571 (ANL-7380, pp 146-7)
  - Miniaturized pressure sensor for LMFBR environment, 22:14127 (ANL-7380, pp 63-4)
  - Operating experience with a miniaturized pressure sensor, 22:30906
  - Operating experience with a miniaturized neutron flux sensor, 22:30905
- KINZER, R. L. Experiment to detect pulsed γ rays from Crab Nebula, 25:19361
  - Location of particle tracks in nuclear emulsion, 24:5931
  - Techniques for minimizing edge effects in nuclear emulsions, 22:19106
- KINZER, Robert L. Direct production of electron-positron pairs by 16.2-GeV/c negative pions, 22:26570
- KINZER, Robert Lee Electromagnetic interactions of 16.2-GeV negative pions, 21:46463
- KINZLER, H. J. Detector techniques in nuclear medicine, 23:50710
- KINZLER, R. V. Engineering development of fluid-bed fluoride volatility processes. Part 16. A safety manual for the engineering-scale alpha facility, 25:8446 (ANL-7672)
- KIORTSIS, M. Combined lethal effect of zinc chloride and gamma irradiation on bacillus megaterium, 22:28716
  - Uptake of ^{65}Zn and ^{54}Mn by irradiated B. megaterium, 23:41256
- KIOUSSIS, D. Polymethylene synthesis from C monoxide and H on Ru catalysts. XII, 22:45121
- KIPAEV, Yu. V. Metal—insulator transition in V_2O_3 in a strong electric field, 24:46803
- KIPARISOV, S. S. Effect of nitriding on the mechanical properties of niobium, 25:52370
  - Effect of nitriding on the properties of tantalum, 25:58259
  - Effect of nitrogenation on the mechanical properties of niobium, 25:22079
  - Nitrogen diffusion in zirconium, 25:42967
  - Possibility of sintering tungsten borides with nickel, 25:52437
- KIPERMAN, M. E. Application of nonlinear limb-darkening laws to close binary systems, 23:51163
- KIPERMAN, S. L. Isotopic exchange and hydrogenation of cyclohexene on nickel, 25:46483
  - Kinetics of benzene hydrogenation over nickel catalysts in gradientless system. II, 22:18783
- KIPERMAN, V. A. Criterion for certain canonical Fermi transformation to be proper, 25:5415
- KIPLINGER, D. V. Gas impregnation of graphite with carbon, 23:3119
  - Gas pulse impregnation of graphite with carbon, 24:44767
  - Minimizing thermal effects in fluidized-bed deposition of dense, isotropic pyrolytic C, 24:23510 (ORNL-4531)
- KIPNIS, D. M. Radioimmunoassay for measurement of adenosine 3',5'-cyclic phosphate, 24:50794
- KIPPENHAHN, R. Evolution in close binary systems. V, 23:10342
  - General relativistic secular instability of supermassive stars, 25:22232
  - Mass exchange in a massive close binary system, 23:48603
  - Rotation in evolving stars, 24:23612
  - Secularly unstable differential rotation in stars, 23:41803
  - Stars with helium envelopes, 25:47226
  - Stellar evolution and late-type stars, 22:24002
  - Stellar evolution. V, 21:3578
  - Temporal development of the components of a double star, 22:45912
  - Thermal behavior of rotating and magnetic stars, 25:9027
- KIPPENHAHN, Rudolf Ages of delta Cephei stars, 23:39088
  - Evolution in a double-star system. I, 21:18374
  - Evolution of double star system. II, 21:20719
  - Secular stability behavior of chemically inhomogeneous zones in stars, 22:8892
- KIPPENHAN, D. O. Magnetic mirror field control in the Astron experiment, 21:3809 (UCRL-70035)
- KIPPENHAN, Nancy Rare-earth metals in steels, 24:46713 (IS-RIC-4)
- KIPPER, M. A. Spectrophotometry of F stars. III, 24:46852
- KIPPER, T. Approximate model atmospheres of F stars, 23:1073
- KIPPER, T. A. Spectrophotometry of F stars. II, 23:32077
  - Spectrophotometry of F stars. III, 24:46852
  - Spectrophotometry of F stars. IV, 25:9014
- KIPROW, D. Dental system of dogs in acute radiation sickness, 23:22403
- KIPSANOVA, G. I. Blood circulation in patients chronically exposed to ionizing radiation, 23:33749
- KIRA, Akira Photolyzed and radiolyzed tetraphenylhydrazine and related compounds, 24:7469
  - Pulse radiolysis of alkali halides, 24:27172
  - Pulse radiolysis studies of acetone solutions of biphenyl and anthracene, 25:48560
  - Pyrene dimer cation as studies by pulse radiolysis, 25:51532
  - Radicals produced from acridine and acridan in γ-irradiated rigid solutions at -196°C, 23:33228
- KIRADZHIEV, G. Combined use of ion exchange resins and osmotic diuresis for the decrease of ^{90}Sr concentration in the organism, 25:32330
- KIRAKI, Keizo Separation of rare earth elements, 23:26340
- KIRAL, A. Galactic cluster NGC 2254, 23:39269
  - Stellar group Ba 6, 23:39268
  - Stellar group Ba 7, 24:4906
- KIRALY, P. Background effects in the search for quarks, 24:24209
  - Cosmic-ray showers produced by muon bremsstrahlung, 25:38182
  - Lorentz principle and general theory of relativity. V, 22:1483
  - Rate of energy loss and sea-level spectrum of muons above 1000 GeV, 24:45480
- KIRALY, Peter Steering of several-particle systems by one-particle potentials in quantum mechanics, 25:40854
- KIRALYHIDI, Laszlo Simple-beam indicator for the investigation of ion beams, 23:37061
- KIRBITSON, R. Electron accelerator modifications for precise atomic displacement threshold energy determinations, 22:39526
- KIRBY, D. E. Electrowinning of niobium, 22:19492
- KIRBY, Edward P. Influence of solvent and temperature upon the fluorescence of indole derivatives, 25:15587
  - Prophage induction in a mutant strain of E. coli, 22:31298
- KIRBY, Fred B. Decarboxylation of p-methoxy-β-methylcinnamic acid, 22:10223

- KIRBY, G. J. Application of a film flow model to predicting burn-out under transient conditions, 22:231 (AEEW-R-542)
  - Model for correlating burnout in round tubes, 21:17773 (AEEW-R-511)
  - New correlation of nonuniformly heated round tube burnout data, 21:3205 (AEEW-R-500)
  - Possible mechanism of subcooled burnout, 21:26042 (AEEW-M-725)
  - Progress in the study of convective boiling, 21:41131
  - Scaling of burnout data for a single fluid at a fixed pressure, 21:17771 (AEEW-M-696)
  - Visual study of forced convection boiling. II, 21:28147 (AEEW-R-506)
- KIRBY, H. W. Alpha branching ratio of ^{227}Ac, 24:52579
  - Analytical chemistry of actinium, 21:34272
  - Hydrolitic separations of protactinium, 21:8422
  - Introduction to radiochemical techniques, 25:6273 (MLM-1324)
  - Purification of Pa, 21:8423
  - Residue adsorption. III, 24:2277
  - Separation of ^{137}Cs and /sup 137m/Ba by residue adsorption, 25:32023
  - Survey of sources of ionium (^{230}Th), 21:1248 (MLM-1349)
- KIRBY, I. J. Acoustic impedance of liquid ^{3}He, 21:13496
- KIRBY, J. W. Annealing of cold worked fcc metals and alloys, annual, 9/1/66—9/1/67, 21:45930 (COO-1431-3)
  - Prog. rpt. on effect of annealing on the substructure of cold worked fcc metals and alloys, annual, 9/1/67—9/1/68, 22:52199 (COO-1431-4)
- KIRBY, L. J. Cold pressing and sintering of rare earth oxides, 21:28813 (BNWL-386)
  - Ion-exchange separation of kilocurie quantities of high purity promethium, 21:10412 (BNWL-318)
  - Promethium heat source compatibility studies. II, 21:36782 (BNWL-398)
  - Radiological chemistry associated with Hanford criticality, 4/7/62, 22:23504 (HW-76823)
  - Reaction of selected metal—metal couples at 1100°C, 21:32858 (BNWL-421)
- KIRBY, N. Acoustic emission from steel pressure vessels, 24:33853 (TRG-Report-1983)
  - Application of crack opening displacement measurements to large scale test behavior, 24:17282
  - Fracture initiation in low strength steel pressure vessels, 24:17263
- KIRBY, P. A. Measurement of ^{45}Ca in biological fluid, 22:16457
- KIRBY, R. D. Evidence for a central instability in KBr:Li^{+}, 24:48008 (NYO-2391-118)
  - Far infrared properties of lattice resonant modes. I, 22:24432
  - Far-infrared properties of lattice resonant modes. V, 25:7474 (NYO-2391-119)
  - Low lying even parity resonances in KI:Ag^{+}, 25:3969 (NYO-2391-121)
- KIRBY, R. S. Brazing of nickel—chromium alloy 718, 22:23741
  - Fabrication of a coaxial shock-sensitive switch, 22:7946 (LA-3759)
  - Fabrication of niobium fluidic circuit components by diffusion bonding, 24:34881 (LA-4395)
  - Fabrication of OWR gamma shield assemblies, 25:42816 (LA-4644)
- KIRBY, Richard K. Thermal expansion of Pt to 1900 K and reference materials, 24:34877 (BMBW-FBK-70-1, pp 600-20)
- KIRBY, Robert Francis Development of columbium beryllides for high-temperature structural applications, 24:8099
- KIRBY, Roy K. Adjusting device for remote control manipulators, 22:10465
- KIRCH, D. L. Image enhancement of radionuclide scans by optical spatial filtering, 25:21757
- KIRCH, Dennis L. Computer processing of scans using Fourier and other transformations, 25:42557
- KIRCH, M. Elimination and metabolism of benzo(a)pyrene after intratracheal injection, 25:31715 (ORNL-tr-2469)
- KIRCH, N. Concept of 300 MWe thorium high temperature reactor, 23:5999
  - Fast fission factor of Be oxide, 23:44809
- KIRCH, Norbert Measurement of the fast fission factor of beryllium oxide with help of the manganese sulfate bath technique and a cadmium loaded liquid scintillator, 23:31232 (JUL-547-RG)
- KIRCH, P. Measurement of the thermal diffusion factors and determination of the molecular interaction potentials of gaseous uranium hexafluoride, 22:6294
- KIRCHAMYR, H. R. Magnetic order of the compound series RE$_6$(Mn/sub x/Fe/sub 1-x/)$_{23}$, (RE = Y, Gd), 25:47652
- KIRCHENMAYER, A. Design characteristics of 300-MW(e) steam-cooled fast reactor prototype, 22:32905
  - Fast steam cooled reactor: system pressure consideration, 300 MWe prototype and testbed for fuel elements, 23:11159 (CONF-680419-, pp 111-26)
  - German steam-cooled fast breeder program, 22:16201
  - Stability analysis for boiling water reactors, 22:25018
- KIRCHER, C. J. Superconducting proximity effect of Nb, 22:22096
- KIRCHER, Charles John Superconducting proximity effect of niobium, 23:23033
- KIRCHER, J. F. Methyl iodide formation under postulated nuclear reactor accident conditions, 23:29022
  - Purification of multicurie quantities of ^{147}Pm by ion-exchange, 21:4605
  - Radiation induced anti-Markownikoff addition of H bromide to alpha-olefins, 21:28015
  - Radiation-induced formation of alkyltin bromides. II, 21:23918
- KIRCHER, J. R. Commercial prospects for selected irradiated foods, 22:49670
  - Commerical prospects for selected irradiated foods, 23:21863 (TID-24058)
- KIRCHER, John F. Analytical studies of methyl iodide formation under nuclear-reactor-accident conditions, 22:2017 (BMI-1816)
  - Methyl iodide formation under nuclear-reactor-accident conditions, 22:21088 (BMI-1829)
- KIRCHER, O. Zeeman effect investigations in Er I, 22:34274
- KIRCHGESSNER, J. Control of beam spill at PPA, 21:33804 (PPAD-620-E)
  - External beam performance at P.P.A, 21:38079
  - Heavy ions and higher proton currents for the PPA, 24:30658
  - Improvement in the rf capture by using nonsinusoidal accelerating voltages, 23:28057
- KIRCHGESSNER, J. L. P.P.A. beam measurement, 22:32364 (PPAD-640-E)
  - Princeton—Pennsylvania beam measurement, 22:46675
  - Princeton-Pennsylvania rapid cycling, 3 GeV proton synchrotron, 23:49237 (PPAD-662-E)
- KIRCHHOF, H. Determination of the isotope ratio of lead samples using atomic absorption, 23:26178
- KIRCHHOFF, Klaus Chlorine isotopic exchange of organic compounds. II, 22:12321
- KIRCHHOFF, R. H. Cylindrical Langmuir-probe response in transition regime, 25:14242 (AD-711095)
  - Experimental study of the cylindrical Langmuir probe response in the transition regime, 25:56136
- KIRCHHOFF, Robert Henry Experimental investigation of the shock structure in a partially ionized gas, 24:45242
- KIRCHHOFF, William H. Microwave spectrum, structure, and dipole moment of cis-thionylimide, 23:28796
- KIRCHMANN, E. v. Detector techniques in nuclear medicine, 23:50710
- KIRCHMANN, R. Absorption of ^{226}Ra in cultivated plants, 23:14137
  - Counting of ^{14}C-labeled organic molecules by liquid scintillation, 21:3001
  - Determination of Sr by atomic absorption, flame spectrophotometry, and activation analysis, 23:4552
  - Effects of gamma radiations on nucleic acids and proteins synthesis in Acetabularia mediterranea, 25:52000
  - Fixation of ^{60}Co in plants, 24:41738
  - Influence of adsorption of Sr in food on the ^{85}Sr body burden in guinea pigs, 21:45569
  - Observed and predicted ^{90}Sr and ^{137}Cs levels in milk, 25:46810
  - Radioactive contamination of products of cow's milk, 21:34669
  - Radiomanganese and radiocobalt fixation by sediments, fauna, and flora, 25:2544
  - Retention of ^{90}Sr in soil, 21:8440
  - Strontium and cesium contamination in grass and milk, 25:37777 (CONF-690527-, Paper 1)
  - Transfer and distribution of tritium among the main components of milk, 24:44406
  - Transfer and incorporation of tritium in grass and milk, 25:46773
- KIRCHMANN, R. J. Importance of the direct retention and of the productivity of pastures in the contamination of milk by radioactive fallout, 21:6508
  - Protein synthesis in irradiated Acetabularia and Phaseolus, 25:24043
  - Strontium-85 and ^{134}Cs activity in milk after a single contamination of pasture, 23:9963
  - Strontium-85 and ^{134}Cs activity in milk after a single contamination of pasture, 24:48380
  - Strontium-85 and ^{134}Cs transfer from grass to milk, 24:4612
  - Transfer coefficients of strontium and cesium from grass to milk in dairy cattle after a single contamination of pasture, 25:21579
- KIRCHMAYER, H. R. Preparation of rare earth metal alloys, 25:55401 (RFP-Trans-87)
- KIRCHMAYR, H. R. Investigations of Sm—Co and Gd—Co systems, 24:51178
  - Magnetic structure study of Y$_6$Mn$_{23}$ with polarized neutrons, 22:31968
- KIRCHMAYR, Hans R. Magnetic properties of compound series Y(Mn/sub x/Fe/sub 1-x/)$_2$ and Y$_6$(Mn/sub x/Fe/sub 1-x/)$_{23}$, 22:15601
  - Magnetic properties of rare earth—manganese compounds, 21:3492
  - Magnetic properties of rare earth—manganese compounds, 21:45904
  - Prog. rpt. on rare earth—manganese alloys, final, 4/62—3/65, 21:34913 (AFML-TR-66-366)
  - Properties of intermetallic compounds in system Y—Fe—Co, 25:1308 (CONF-700403-(Vol.1), pp 11-20)
  - Structure of rare earth—manganese alloys, 21:26839
- KIRCHMAYR, Hans Rudolf Constitution of alloys of rare earth metals, 23:48463
  - Constitution of binary alloys of Gd, Dy, Ho, and Er with Mn, 21:26859
  - Crystal structures of intermetallic compounds of rare-earth metals, 24:2948
  - Neodymium—, Sm—, and Tb—Mn phase diagrams, 24:14780
  - Phase diagrams of rare earth—Hg systems, 21:4960
  - Phase diagrams of the terbium— and ytterbium—mercury systems, 22:28836
  - Systems of Y, Sm, Gd, Dy, Ho, and Er with Mn using amalgam method, 21:13195
  - X-ray fluorescent analysis of alloys of Mn with Dy, Ho, and Er, 21:19560
- KIRCHNER, Fritz Application of an ion—electron converter with counting device as an ultra-high vacuum gauge, 23:16074
- KIRCHNER, H. Alpha-spectrometric isotopic frequency analysis of uranium, 21:20
  - Diffusion of fission products in overlapping chemical reaction, 21:23859 (EUR-3272.d)
  - High-resolution magneto—optical observation of magnetic structures in superconductors, 22:29401
  - High-resolution magneto-optical technique for investigating magnetic structure in superconductors, 25:25037
  - Observing magnetic structures in superconductors, 24:8402
  - Permeability of graphite for volatile fission products, 21:30292
- KIRCHNER, H. H. Infrared spectroscopic investigations on D$_2$O and HDO dissolved in organic solvents, 25:39512
- KIRCHNER, H. O. K. Preparation of electron-microscopy specimens of cadmium of selected orientation, 23:41576
- KIRCHNER, H. P. Finishing processes for oxide ceramics, 23:41715
  - Strength-anisotropy-grain size relations in ceramic oxides, 24:27864
- KIRCHNER, Henry P. Chemical strengthening of ceramic materials, 25:49530 (AD-717983)
- KIRCHNER, John A. Cancer at the anterior commissure of the larynx. Results with radiotherapy, 25:24279
- KIRCHNER, Lucille K. Organosilicon entities as prophylactic and therapeutic agents, 25:55263
- KIRCHNER, R. Early-flowering mutants of Medicago polymorpha var. polymorpha, 25:29488
- KIRCHNER, R. A. Continuous air monitor, 21:1745 (RFP-815)
  - Lung burden following acute inhalation exposure to highly insoluble PuO$_2$, 21:39415
  - Matrix method for evaluation of beta—gamma dosimeter film, 21:32486
- KIRCHWEGER, K. Operations program of the KWO up to first criticality, 23:15584
- KIRDANI, Rashad Y. Statistical analysis of data from countercurrent distribution. V. The isotope effect, 24:33641
  - Statistical analysis of data from countercurrent distribution. IV. Identification of compounds, 24:33648
- KIRDYASHEV, K. P. Investigation of plasma microwave radiation in process of beam instability development, 22:29530
- KIREEV, G. A. Startup methods and operating experiences with channel-type, uranium-graphite reactors with tubular fuel elements and nuclear superheat of steam, 25:48164
- KIREEV, G. I. Kinetics of Sb(III and V) extraction, 25:12999
  - Role of hydrodynamics in kinetics of isotopic exchange in Sb(V)—HCl—(C$_4$H$_9$)$_2$O—H$_2$O systems, 23:47439
  - Study of iodine extraction kinetics by means of the isotope exchange method, 25:15595
  - Study of kinetics of benzoic acid extraction with toluene by isotopic exchange method, 25:34584
- KIREEV, P. M. Changes in kidney under ionizing radiation, 24:23386
  - Chronic radiation disease, 24:32264
- KIREEV, P. S. Registration of a gamma-ray pulse with a semiconducting detector based on cadmium telluride, 23:645
  - Silicon detectors for recording pulsed beams of gamma radiation, 23:11769
  - Use of semiconductor counters for detection of neutrons accompanied by γ rays, 23:4820
- KIREEV, V. A. Anticoincidence gamma spectrometer with shielded scintillator, 25:34928
  - Determination of O in Mo by activation with neutrons of 14 MeV, 22:45020
  - Measuring yield of 14.5-MeV neutrons on neutron generator, 23:13194
  - Two-crystal gamma spectrometer with rapid—slow coincidence for analyzing mixtures of radioactive isotopes, 25:44676
- KIREIKO, P. A. Compensation of the stray field of magnetic deflectors, 25:43744
- KIR'ENIN, I. A. Technico—economic superconductive magnetic system for MHD generators, 24:17725
- KIRGINTSEV, A. N. Directed crystallization of aqueous solutions of uranyl nitrate and sodium nitrate, 22:2038
  - Purification of iodine by filtration of its melts, 25:44419
  - Ternary solutions by isopiestic method. IX, 21:27970
- KIRIBUCHI, Mitsunori Conservative treatment of retinoblastoma, 25:26880
- KIRICHENKO, G. S. Collective interaction of ion beams with plasma, 22:5350
  - Experimental research on the collisionless relaxation of ion streams in a plasma, 25:38420 (CONF-710607-58)
  - Interaction of ion beams with a plasma, 21:16940
  - Scattering of ion beam in hot-electron plasma, 25:9450
  - Slowing down of an ion beam in a plasma during ion-acoustic instability, 25:30511
  - Two-stream ion instability in a plasma with ion beam of limited cross section, 24:10519
- KIRICHENKO, L. V. Diurnal variations of radon and thoron decay product concentrations in the surface layer of the atmosphere and their washout by precipitations, 21:6077
  - Radioactive isotopes in atmosphere and their use in meteorology, 21:36150 (AEC-tr-6711)
  - Radon exhalation from vast areas according to vertical distribution of its short-lived decay products, 24:41446
- KIRICHENKO, P. I. Thermal and electric conductivities of some Re—Co alloys, 24:21372
- KIRICHENKO, V. N. Charging of α-active aerosols as result of secondary electron emission, 23:7642
  - Measurements of absorbed doses by a trachea model placed in radon-containing atmosphere of a polymetal mine, 24:23204
  - Miniature instrument for measurement of mean total radon concentration, 21:10683
  - Short-lived daughter products of radon in respiratory tract, 24:44411
  - Spontaneous unipolar charge acquisition by β-active hot aerosol particles, 24:5757
  - Unipolar charge acquisition by β-active hot particles in electric field, 24:19098

- KIRICHENKO, V. V. Fine structure of giant resonance of the reaction ^{4}He(γ,p)^{3}H, 23:46910
  - Investigation of reaction ^{4}He(γ,p)^{3}H at maximal γ-quanta energy 120 MeV, 25:14886
- KIRICHINSKII, B. R. Biological action of laser irradiation, 23:9891
  - Biological action of laser radiation, 22:40823 (JPRS-44070, pp 10-18)
  - Biological activity and radiation protection of optical quantum generators, 23:50560
  - Exposure of latent injuries in the macrostructure of serum proteins arising as a result of treatment with ionizing radiation, 23:12025
  - Relative biologic efficiency of fast neutrons, 23:26894
  - Relative biological effectiveness of fast neutrons, 22:40822 (JPRS-44070, pp 1-9)
  - X-ray radiation in electron beam welding installations, 22:44204
- KIRICUTA, I. Problems of radionecroses, 23:29595
- KIRIENKO, V. I. Defects in W irradiated with neutrons, 23:51087
  - Isothermal conversion kinetics in Ni—17.7 at. percent Mo, 25:40053
- KIRIEVSKII, B. A. Effect of neutron radiation on the properties of some metallo-ceramic antifriction materials, 25:45151
- KIRIGIN, M. Action of some biocatalysts on soybeans unirradiated and irradiated with x-rays, 21:4887
  - Contribution to the problem of regeneration of live organisms following the action of ionizing radiation. IV, 21:34813
- KIRIGIN, Marinka Investigation of protection of live organisms following action of ionizing radiation. VI, 23:5051
- KIRII, A. Yu. Parametric excitation of longitudinal oscillations in plasma, 23:51726
  - Plasma instability in the field of a weak transverse wave, 24:24012
  - Plasma transport equations, 24:37468
  - Quasilinear destabilization of dissipative parametric plasma instability in a high frequency electric field, 25:36170
  - Theory of parametric resonance of plasma in a strong hf electric field, 25:14376
- KIRII, I. Yu. Kinetic coefficients of the multicomponent nonisothermal plasma, 22:44156
- KIRIKASHVILI, N. E. Spectrum of ^{181}W conversion electrons in hard energy range, 24:3945
- KIRILCHENKO, A. M. Gamma irradiation effects on daily eosinophil rhythm in peripheral blood of mice, 22:40948
- KIRILLIN, A. E. Magnetohydrodynamic pulse generator with a superconducting magnetic system, 22:17441
- KIRILLIN, A. V. Analysis of continuum radiation from nitrogen plasmas, 24:15303
  - Continuous nitrogen plasma emission, 23:12795
  - Experimental and theoretical studies of thermal conductivity coefficient and complete nitrogen plasma radiation, 22:9332
  - Experimental determination of the thermal conductivities of argon plasmas, 22:22151
  - Experimental determination of the thermal conductivity in low-temperature plasma, 24:40056
- KIRILLIN, V. A. Data obtained with an experimental MHD power plant, 22:15389
  - Engineering—economic indicators of electric power plants with open-type MHD generators, 22:52571
  - Enthalpy and heat capacity of molybdenum at extremely high temperatures, 22:26048
  - Enthalpy and heat capacity of ZrO_2 from 1100 to 2500°K, 21:31096
  - Enthalpy of corundum from 500 to 2000°C, 21:23864 (ANL-Trans-450)
  - Experimental power installation with an MHD duct, 22:5181 (CEA-tr-R-1904)
  - Explosive, MHD generator with superconducting magnetic system, 23:36557
  - Magnetohydrodynamic method of producing electric power, 23:18479
  - MHD cycles and large-scale experiments. IV, 22:5187
  - Pilot MHD power plant (25,000-kW), 23:36553
  - Prospective economics and thermal efficiency of large scale open cycle MHD stations, 21:37230
- KIRILLOV, A. D. Certain characteristics of fast deuteron interactions with nuclei, 25:33971 (JINR-P2-5261)
- KIRILLOV, A. I. Determination of cerium(III) in solutions of complex with ethylenediaminetetraacetic and nitrilotriacetic acids, 21:38892
  - Extraction-fluorimetric determination of yttrium in lanthanum salts by means of 5,7-dibromohydroxyquinoline, 21:45057
  - Fluorometric determination of microamounts of cerium in preparations of the rare earth elements, 21:27917
  - Magnetic separator for the ion source of an electrostatic accelerator, 23:10903
- KIRILLOV, E. V. Accumulation óf plutonium for the development of fast reactors, 25:23301
  - Determining the price of plutonium used as a nuclear fuel, 21:44863 (JPRS-42155)
  - Efficiency criteria for fast neutron nuclear power stations, 23:31176
  - Efficiency criteria of fast neutron atomic power stations, 23:52371 (JPRS-48331, pp 426-37)
  - Efficiency criteria of fast power reactors, 22:39785 (SRARI-P-4)
  - Fast power reactor optimization by base point method, 23:49551
  - Problem of selecting the parameters of a large fast reactor, 25:34385 (JPRS-53069, pp 156-65)
  - Some economic aspects of the fast reactor fuel cycle, 24:33351 (SRARI-P-11)
  - Value of Pu as nuclear fuel, 21:44870
- KIRILLOV, I. P. Thermal decomposition of some nitrates, 22:35768 (AEC-tr-6939)
- KIRILLOV, I. R. Experimental investigation of asynchronous MHD converter with liquid metal rotor at self-excitation regime, 21:20810
  - Experimental investigation single-wave MHD machines, 25:19537
  - Experimental studies of helical-channel MHD machine, 25:40448
  - Induction liquid-metal MHD machine with helical channel, 25:40426
  - Self-excitation of MHD generators with liquid-metal working fluids, 23:8501
  - Transverse edge effect in induction MHD machines with helical channels, 24:47066
- KIRILLOV, Igor R. Comparison of some excitation schemes for a jet MHD induction generator, 25:30335
- KIRILLOV, L. M. Complex formation of tetravalent actinides with urea in nitric acid solutions, 25:37343
- KIRILLOV, P. K. Discrete frequency sweep in a synthesizer for nuclear magnetic resonance spectroscopy, 25:18848
- KIRILLOV, P. L. Critical parameters of alkali metals, 22:650 (FEI-52)
  - Heat-exchange crisis of two-phase mixture, 24:39136
  - Limiting values of Nusselt numbers for ring-shaped gaps 21:32307 (FEI-61)
  - Liquid metals, 22:10497
  - Semi-empirical theory of the heat exchange crisis during channel boiling, 25:48710 (FEI-224)
- KIRILLOV, S. A. Case of affection with cesium radioactive isotopes, 23:22324
  - Case of radioactive cesium isotope injury, 24:23242 (LF-tr-40)
  - Clinical picture of acute radiation sickness induced by radioactive thulium, 22:31216
- KIRILLOV, V. Kh. Electric field in an MHD duct of rectangular cross section with end electrodes, 25:55950
  - Profiling of external magnetic field during evaluation of MHD duct efficiency, 25:45350
- KIRILLOV, V. S. Study of the gas evolution and mechanical properties of molybdenum wire, 25:58221
- KIRILLOV, V. V. Behavior of electrical insulation in MHD unit for operation with Ar—K plasma, 25:45329
  - Effect of boundary layer on electrical characteristics of MHD generators, 22:52579
  - Emergency operating modes of MHD generator, 25:33096
  - Experimental apparatus for studying MHD generator working with inert-gas plasma, 25:38189
  - Flow of plasma with variable physical properties over insulating walls of an MHD channel, 25:38209
  - Heat transfer in pipes at high temperature, 21:43149
  - Influence of nonuniformity of flow parameters and imperfect wall insulation on MHD-generator performance, 24:45073
  - Influence of thermal interface layer in channel on measurements of flowing plasma temperature, 24:49050
  - Laws governing operation of metallic electrodes of MHD generator, 25:2940
  - Method of successive approximations for boundary layer calculations in MHD flow in channels, 23:51441
  - Micro-arc type operation of electrodes of MHD generator, 24:28143
- KIRILLOVA, L. F. Test of the utilization of dilute emulsions with reduced shrinkage coefficient, 21:22149
- KIRILLOVA, M. M. Optical properties of molybdenum single crystals, 25:52962
  - Optical properties of tungsten single crystals, 25:27899
- KIRILLOV-UGRYUMOV, B. G. Bubble chamber operating in magnetic field, 21:1592
- KIRILLOV-UGRYUMOV, V. Capture of negative muons by pure Ni and Cr isotopes, 21:1048
- KIRILLOV-UGRYUMOV, V. G. Absorption of π^+-mesons with energy 70 MeV by nuclei of photoemulsion, 21:25239
  - Cross sections of inelastic interaction of pions with nuclei, 23:25528
  - Data on resonance with mass approximately 300 MeV in K^+antiK^0 system, 22:34852
  - Detecting the W boson, 23:32682
  - Elastic scattering of π mesons on hydrocarbon at 5 to 22 Mev, 21:2629
  - Electron—photon cascades in iron at approximately 10^{12} eV, 22:21921
  - Ionization calorimeter for studying high energy muons at large zenith angle, 21:1590
  - Mass spectrum of $K^0\Lambda^0$, 23:30716
  - Measurement of Λ hyperon life time in freon bubble chamber, 24:15467
  - Non-electromagnetic interactions to superhigh-energy muons, 21:29039
  - Observation of γ quanta greater than 100 MeV from 3C 120, 25:35700
  - Possibilities of investigating cosmic muons using a complex installation, 24:46514
  - Primary γ radiation with E greater than or equal to MeV, 25:30306
  - Production of $\pi^+2\pi^-$ on nuclei at small momentum transfers, 25:59316
  - Relation of electron flux in upper atmosphere to state of Earth magnetosphere, 25:30353
  - Search for heavy particles at sea level, 23:51835
  - Study of high-energy muons at a complex installation, 21:29038
  - Study of the energy spectrum of cosmic-ray muons on the basis of electron—proton showers, 21:29040
- KIRILOV, S. S. Spark chamber readouts developed by magnetostriction lines, 21:16176
- KIRILYUK, A. D. Absolute measurement of the integral slow-neutron dose in the reactor core by the transmission method, 24:43721
- KIRILYUK, A. L. Behavior of ^{3}He in ZrT_2 and in zirconium metal, 21:44530
  - Measurement of tritium neutron cross section in energy range 0.007 to 5 eV, 22:11896
  - Neutron cross sections of cadmium isotopes, 24:28791
  - Slow neutron total cross sections of ^{187} ^{188} ^{189}Os, 24:26651
- KIRILYUK, V. D. Interference of ^{10}Be levels, 24:13281
- KIRIN, A. X-ray coloration of sodium chloride crystals, 23:20986
- KIRIN, B. M. Mass spectrum of zirconium borohydride, 25:58377
- KIRIN, I. S. Chemical effects of isomeric conversion of /sup 133m/Xe in xenon difluoride, 23:13747
  - Chemical state of ^{133}I in neutron-irradiated XeF_2 and separation of carrier-free ^{133}I, 22:45156
  - Formation of XeO_3 during β decay of ^{133}I in some periodite solutions, 22:21119
  - Possibility of xenon compounds synthesis under natural conditions, 24:1 (ANL-Trans-783)
  - Preparation of xenon difluoride labeled by radioactive xenon, 22:2040
  - Production of O compounds of Xe by β decay of I isotopes and study of their properties, 21:4497
  - Production of XeO_3 by β decay of ^{133}I in HIO_3 and I_2O_5 composition, 21:5981
  - Separation of nuclear isomers of ^{133}Xe, 21:21510
  - Separation of nuclear isomers of /sup 127m/Te and study of chemical effects of isomeric conversion of /sup 127m/Te in tellurate state, 23:371
  - Separation of polonium and tellurium by the paper chromatography method, 22:30677
  - Synthesis of phthalocyanines of some heavy metals, 21:19601
  - Szilard—Chalmers reaction in the divalent cobalt phthalcocyanine, 22:2102
  - Use of xenon difluoride for the synthesis of labeled periodates, 22:4227 (ANL-Trans-538)
  - Utilization of thin-layer chromatography for separation of xenon trioxide from the oxygen-containing compounds of iodine, 25:15693
- KIRIPICHNIKOV, I. V. Interference effects in cross section for radiative capture of a neutron by ^{149}Sm nucleus, 24:28774 (KAPL-Trans-1)
- KIRITANI, Reiko TC in acidic media, 25:10546
- KIRITANI, S. Computer controlled dynamic cineradiography, 25:26557
- KIRIYA, V. S. Conversion of velocity and acceleration in the general theory of relativity, 22:22462
- KIRIYAMA, Tetsuya Adsorption behavior of a number of metals in hydrochloric acid on a weakly basic anion exchange resin, 22:40192
- KIRK, Bryan W. Sampler for isotope indicator-dilution studies, 23:35572
- KIRK, D. L. Self-trapped hole and the self-trapped exciton in alkaline earth fluorides, 23:42459
- KIRK, E. S. Transfer of calcium and strontium and of potassium and cesium in placenta, 24:23070 (CONF-690501-, pp 97-104)
- KIRK, F. Scanner stand for pulmonary function studies, 23:38278
- KIRK, H. D. Loss of transplantability and induction of immunoprotection by mouse ascites tumor cells in tissue culture, 24:31872
- KIRK, J. Design for safety of gas cooled reactors, 25:54147 (A/CONF.49/P-475)
  - DFR primary circuit failure, 25:60078
  - Experience and developments of irradiation techniques using Dounreay fast reactor, 24:41032 (TRG-Report-1911, pp 160-74)
  - Probability analysis applied to an advanced gas cooled reactor, 24:50060
  - Radioactive maintenance on DFR, 25:5908
  - Role of chalone in the control of the bone marrow stem cell population, 24:36821
  - Role of chalone in the control of the bone marrow stem cell population, 25:16325
- KIRK, J. G. Solar granulation spectrogram, 22:29093
- KIRK, J. P. K-conversion coefficient of 35.6 keV transition in ^{115}In, 23:40075
- KIRK, James A. Inelastic nuclear interactions of high-energy electrons and muons in emulsion, 23:18788
- KIRK, John H. Strontium metabolism with special consideration of genetic effects, 24:48382
  - Strontium metabolism with special consideration of genetic effects, 24:48475 (AD-702029)
- KIRK, K. D. Programmed densitometer, 23:17825 (WAPD-TM-769)
- KIRK, Martha Photosynthesis of carbon compounds, 21:3395 (UCRL-16806, pp 25-30)
- KIRK, P. N. Experimental search for a heavy electron, 22:22283
  - Measurement of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ at large momentum transfers, 24:32966
  - Measurements of elastic electron—deuteron scattering at high momentum transfers, 23:18787
  - Structure in 5-GeV/c π^+p elastic scattering at large angles, 24:32967
- KIRK, Paul L. Criminalistics problems, and neutron activation analysis, 22:16393 (GA-8171, pp 41-8)
- KIRK, R. D. Thermoluminescence of lithium borate and its use in dosimetry, 22:38327
  - Thermoluminescent dosimeters of lithium borate, 22:38104 (TID-24523)
  - Thermoluminescent lithium borate for dosimetry, 22:14856
  - Use of lithium borate for thermoluminescence dosimetry, 21:26219 (CONF-650637-, pp 113-17)
- KIRK, T. Charge asymmetry in decay K/sub L/ $\rightarrow$ $\pi^+\pi^-\pi^0$, 24:37618
  - Charge asymmetry in K/sub e3/ decay and Reepsilon, 24:37617
  - Long-spill muon and neutrino beams in Area I, 24:52293 (TID-25473(Vol.1), pp 265-72)
  - Polarization effects in muoproduction of W's, 24:52035 (TID-25473(Vol.4), pp 185-6)
  - Search for a CP-nonconserving asymmetry in the decay K/sub L/^{0} $\rightarrow$ $\pi^+\pi^-\pi^0$, 23:5524
  - Search for the W boson with high-energy muons, 24:51913 (TID-25473(Vol.4), pp 191-9)
- KIRK, Thomas B. W. Scattering of high-energy positive and negative muons on electrons, 22:44312
- KIRK, Thomas Bernard Walter Scattering of muons from electrons around 6 GeV and 11 GeV, 22:52916

KIRK, V. M. Xeroradiography and related topics, 24:44211 (AERE-Bib-173)
KIRK, W. Measurement of atomic lifetimes by Hanle effect, 21:41795
KIRK, W. P. Photon counter for the measurement of thermoluminescence, 22:45341
  Plutonium and ^{90}Sr in precipitation, Aug. 1966 through Mar. 1967, 22:28506
KIRK, Wiley Price Nuclear antiferromagnetism in solid helium three, 24:24932 (BNL-14363)
KIRK, William L. Advanced nuclear rocket technology, 24:50203
  Advanced nuclear rocket technology, 25:51201
KIRKALDY, J. S. Self and solute diffusion in Zr. II, 24:6204
KIRKBRIDE, J. Decay times of liquid scintillators, 21:6196 (EGG-1183-2097)
  Linac measurements of the fast neutron response of organic scintillators, 21:12629 (EGG-1183-2100)
  Measurement of the decay times of organic scintillators, 21:28234
  Quenching measurements on organic scintillators, 21:4485 (EGG-1183-2111)
  Quenching measurements on organic scintillators, 23:2607
KIRKBRIDE, L. D. High-temperature environmental testing of liquid plutonium fuels, 21:36787 (LA-3631)
  Molten plutonium fuels, 23:8254
KIRKBRIGHT, G. F. Application of separated flames in analytical flame spectroscopy, 22:37664
  Atomic fluorescence spectrometry of aluminum, molybdenum, titanium, vanadium, and zirconium in inert gas separated nitrous oxide—acetylene flames, 24:38718
  Atomic-emission spectroscopy of the rare earth elements in a separated nitrous oxide—acetylene flame, 24:4198
  Determination of Th, 24:8
  Dewar tube sample cell assembly for low-temperature fluorimetry, 25:28925
  Fluorescence characteristics of inorganic complexes in hydrochloric acid medium at liquid-nitrogen temperature, 23:9376
  Indirect amplification procedure for the determination of niobium by atomic-absorption spectroscopy, 22:30470
  Spectrofluorimetric determination of submicrogram amounts of zirconium with calcein blue, 24:29189
  Spectrophosphorimetric measurement of niobium oxinate at liquid nitrogen temperature for determination of microgram amounts of niobium, 24:29185
  Spectrophotometric determination of microgram amounts of Ta, 23:2247
KIRKBY, P. 385 MeV measurement of (p,2p) cross sections, 24:6867
  Large-volume homogeneous low-field electromagnet, 25:31071
  Measurement of production cross section of ^{11}C from natural carbon for 385 MeV protons, 22:20463
KIRKBY, R. C. Fermi fuel transport facility, 24:468
KIRKBY, Robert C. Thermal performance of Fermi intermediate heat exchangers (IHX'S), 22:32843
KIRKEGAARD, Peter Danish Monte Carlo work in reactor physics and related areas, 25:57166 (CONF-710302-(Vol.2), pp 887-900)
  Description of AEK program no. 513, EXPOSUM, 23:9289 (RISO-M-812)
  FORTRAN IV version of sum-of-exponential least-squares code EXPOSUM, 25:12837 (RISO-M-1279)
  Monte Carlo study of neutrons in soil for surface moisture gauges, 23:35534 (RISO-M-896)
  Monte Carlo superposition calculations of resonance integrals in a reactor cell, 24:50217 (RISO-M-1257)
  Nuclear particle transport with emphasis on Monte-Carlo and shielding calculations, 21:18787 (RISO-136)
  User's manual for the AEK shielding program P-18, 19, 20, 63, 220, 374, 22:17715 (RISO-M-663)
KIRKHAM, Bruce C. Comparison of ^{131}I-macroaggregated liver scanning and selective hepatic arteriography, 24:25524
KIRKHAM, Don Gamma-radiation detection of water content in two-dimensional evaporation prevention experiments, 22:6796 (COO-1269-15)
  Miscible displacement through gamma radiation: sterilized soil columns, 21:24173
  Miscible displacement through gamma radiation-sterilized soil columns, 22:42989
  Use of nuclear energy in water studies for increasing agricultural productivity, 22:23131 (CONF-680112-1)
KIRKHAM, K. E. Measurement of TSH in vitro, 24:29671
KIRKHART, F. P. Electrostatic methods to control placement and orientation of short graphite fibers, 25:23468 (SC-CR-69-3277)
KIRKHART, Fred P. Fabrication and characterization of binderless graphite, 25:26112 (SC-CR-70-6169)
KIRKLAND, V. D. Reactor power systems for manned earth orbital applications, 21:42806
KIRKLAND, Vern D. Design and vehicle integration of a ^{238}Pu Brayton power system for MORL, 22:19054
KIRKLAND, W. K. Effect of air on radiation-induced degradation of polytetrafluoroethylene, 21:13299 (ORNL-TM-1757)
KIRKLIN, John W. Validity of concept of increased extracellular fluid after open heart surgery, 24:17105
KIRKMAN, H. C. Polarisation of the recoil proton in elastic electron proton scattering, 24:45405
KIRKMAN, M. J. Treatment of liquid wastes by evaporation to salt cakes, 25:41887 (ARH-SA-25)
KIRKMAN, S. Medical radioisotope scanning, 25:29349
KIRKO, I. M. Dynamics of liquid-metal drops in electromagnetic field in conditions of reduced gravitation, 25:55931
  Experimental observation of electromotive force alongside of an external magnetic field induced by flow of liquid metal (α effect), 22:41422
  Mechanical electromagnet as model for MHD dynamo, 24:19799
KIRKORIAN, N. H. Crystal structures of LaC_2, 22:28945
KIRKPATRICK, A. E. Gamma densitometry in the study of ventilation and the pulmonary circulation, 25:11116
KIRKPATRICK, D. C. Thermal and fast irradiation of sodium-bonded (U,Pu)C fuel and fuel elements, 25:32857
  Thermal irradiation of liquid plutonium-alloy fuels, 22:35600 (LA-3832)
KIRKPATRICK, Donald C. Sodium leak studies, 23:40349 (LA-4129)
KIRKPATRICK, H. A. Remeasurement of the conversion constant Λ, 23:21013
KIRKPATRICK, H. B. Acceleration of liquid mercury embrittlement of titanium alloys by ultrasonic oscillations, 25:22061
  Correlation of Ti—6Al—4V fractographs, 23:33958
KIRKPATRICK, James Willis Emission spectrometric determination of the nitrogen isotope ratio, 25:15477
KIRKPATRICK, Jay Radiation effects on mammalian embryos in vitro, 24:2774 (NYO-4039-1, pp 17-19)
KIRKPATRICK, Joel B. Pathogenesis of foam cell lesions in irradiated arteries, 21:32761
KIRKPATRICK, L. D. Status of Visual Techniques Laboratory, 25:6568 (MIT-2098-660, pp 114-62)
KIRKPATRICK, M. E. Development of porous ionizer materials, 21:16575
  Joining methods for porous refractory metals, 21:9117
  Prog. rpt. on W—Rh alloys for ionizer applications, II, final, 7/66, 21:4937 (N-66-32186)
  Structure and properties of porous ionizer materials, 23:22531
KIRKPATRICK, Milton E. Chemical compatibility between ceramic whiskers and metallic matrice materials, 23:41618
  Porous tungsten rhenium alloy and method of making same, 22:21681
KIRKPATRICK, R. L. Solutions for WAGR sequential t-test, sequential variables sampling plans to control the percent defective, 24:26855 (BDX-613-117)
KIRKPATRICK, Ronald C. Axially symmetric model planetary nebulae, 25:840
  Theoretical energy levels in Fe IV, 24:23597
KIRKPATRICK, Ronald Crecelius Inhomogeneities in planetary nebulae, 25:2837
KIRKPATRICK, W. W. Irradiating apparatus, 24:452
KIRKPATRICK, William W. Apparatus for irradiating objects with selected uniform doses of radiation, 24:16760
  Irradiated apparatus, 25:29260
KIRKWOOD, J. B. Commercial fisheries related to Amchitka Island, 23:13597 (BMI-171-109)
KIRKWOOD, James B. Amchitka bioenvironmental program, 24:12211 (BMI-171-122(Rev.))
  Bioenvironmental safety studies, Amchitka Island, Alaska, 24:23130 (BMI-171-126)
  Bioenvironmental studies at Amchitka Island, Alaska, 25:49129
  Prog. rpt. on bioenvironmental safety studies, Amchitka Island, Alaska, 1968, 23:26709 (BMI-171-116)
  Summary of ecological effects of Milrow, 25:49148
KIRKWOOD, Robert L. Lorentz invariance in a gravitational field, 24:26497 (AD-700651)
  Lorentz invariance in a gravitational field, 25:1626
KIRLIAN, S. D. Photography and visual observations by means of high frequency currents, 25:26125 (SC-T-713018)
KIRLIAN, V. Kh. Photography and visual observations by means of high frequency currents, 25:26125 (SC-T-713018)
KIRMAN, I. Precipitation of Ni_3Nb phases in a Ni—Fe—Cr—Nb alloy, 25:2689
KIRMSER, Philip G. Resolution and minimal representation of a neutron detection system, 25:39753
KIRN, A. Dissociation by γ rays of vaccinia virus functions, 24:14632
  Effect of γ-rays on infectivity and capacity for nuclear-associated and cytoplasmic DNA replication of FV3 in chick embryo fibroblasts, 25:6653
  Infectivity and capacity for DNA replication of vaccinia virus irradiated by γ rays, 23:31996
KIRN, F. EBR-II power coefficient variations during operational run 26, 22:32847
KIRN, F. S. Application of cover-gas monitoring in the recent EBR-II fission-product release, 22:6000
  BURNUP: a code to calculate burnup of EBR-II fuel. EBR-II Project, 24:31093 (ANL-EBR-9)
  Determination of burnup in EBR-II, 24:7117
  EBR-II operating experience, 22:16181
  EBR-II shield design and performance, 23:13481 (AERE-R-5773(Vol.5), pp 1373-99)
  Effect of reduced flow conditions on the power coefficient of EBR-II, 22:32846
  Effect of the stainless-steel reflector on the power coefficient of EBR-II, 22:5937
  Effects of over-cooled stainless steel reflector on EBR-II power coefficient, 23:40330 (ANL-7544)
  Fast-neutron spectra and radiation damage rates in EBR-II, 21:36886
  Locating and identifying the source of May 24, 1967 fission-product release in EBR-II, 23:45079 (ANL-7543)
  Operating experience with EBR-II, 23:47207 (ANL-7520(Pt.2), pp 24-38)
  Physics measurement programs in US fast power reactors, 21:27767
  Recent EBR-II experience, 22:32844
  Recent operating experience with EBR-II, 24:22421
  Transfer function analysis of EBR-II, 22:5973
KIRN, Frederick S. EBR-2 as a fast reactor irradiation facility, 24:18678
KIRNOZOV, F. F. Gamma radiation from moon surface measured by Luna 10, 21:37211
  Gamma radiation of moon and composition of lunar rocks, 22:5156
  Gamma radiation of moon and composition of lunar rocks, 23:16627
  Measurements of gamma radiation from surface of Moon by Luna-10, 22:8930
KIROCHKIN, Yu. A. Scattering and transformation of waves in a magnetoactive plasma, 21:18721
KIROUAC, G. J. A comparison of scattering law data and calculations for water, 21:7650
  Comparison of scattering law data and calculations for water, 21:7632 (KAPL-P-3179)
  Epithermal neutron inelastic scattering and scattering law for H_2O, 21:33856 (KAPL-P-3338)
  Epithermal neutron inelastic scattering by polyethylene, 22:5709 (RPI-328-102)
  High resolution neutron scattering measurements and the analysis of resonance angular momentum and parity, 24:49928 (KFK-1189)
  Improved theoretical cross section for polyethylene, 24:6813
  Improved theoretical cross section for polyethylene, 24:15758 (KAPL-P-3860)
  Inelastic neutron scattering in metal hydrides, UC and UO_2, and applications of the scattering law, 22:29864
  Multilevel resonance analysis of total neutron cross sections of ^{23}Na and Ca below 1 MeV, 24:38136 (EURFNR-776)
  Multilevel resonance analysis of total neutron cross-section of ^{23}Na and Ca below 1 MeV, 25:14969
  Neutron scattering from ^{15}N. II, 25:36683
  New total neutron cross section measurement of uranium between 0.5—4.35 MeV, 24:38205 (EURFNR-777)
  New total neutron cross-section measurement of U between 0.5 to 4.35 MeV, 25:15104
  Spin and parity of ^{41}Ca levels, 25:14939
  The mismatch of thermal and epithermal neutron flux, 21:40594
  Total n—p scattering cross section in the energy range 0.7-32 MeV, 23:51851
  Total neutron cross section and resonance parameters for ^{147}Pm, 23:5902
KIROUAC, George J. Epithermal neutron inelastic scattering by room temperature water and polyethylene, 21:2597
  Method for neutron resonance spin assignment by differential scattering analysis, 24:52470 (KFK-1069)
KIROV, A. G. Distribution of a pulsed current in a cylindrical conductor of variable conductivity, 25:27721
  Experimental installation R-Ohm for studying high-frequency field-interaction with plasma, 25:30508 (NP-18801)
  Penetration of the ion-acoustic barrier when an alternating current flows in a toroidal magnetized plasma, 25:38461 (CONF-710607-21)
  Toroidal traps R-0 and RT-2 with steady and high-frequency magnetic fields, 25:56221
KIROV, K. Chromosomal anomalies in individuals working in radiation, 24:7871
  Chromosome anomalies in persons working under conditions of exposure to ionizing radiation, 24:17021 (UCRL-Trans-10442)
  Observations of persons subjected to irradiation with gamma-neutron sources, 24:903
KIROV, S. Influence of sympathectomy on the radiosensitivity of normal tissues, 21:32748
KIROVA, A. V. Investigation of H basic exchange of aromatic CH bonds of N-containing heterocycles, their N-oxides, and tertiary salts, 21:35977
KIRPATOVSKII, I. Local irradiation and its combination with drugs in homotransplantation of organs, 23:47995
KIRPATOVSKII, I. D. Possibility of prolonging T+E terms of take of skin homotraplants by the method of local x-ray irradiation, 21:39504
KIRPICHANKOV, V. A. Tungsten base metal—ceramic alloy, 25:35476
KIRPICHNIKOV, I. V. Interference effects in cross section of radiative capture of neutron by ^{149}Sm nucleus, 23:25904 (JINR-P15-4325)
  Neutron level resonance parameters of fissionable nucleus, 22:18258
KIRPICHNIKOVA, L. F. Isotopic non-isomorphism of $Rb(H/sub\ 1\text{-}x/D/sub\ x/)_3(SeO_3)_2$ crystals, 25:12989
KIRPISHCHIKOV, S. P. Adjustable lead shield for scintillation logging stations, 24:2509
KIRRANE, J. A. Action of ultra-violet light on soluble collagens, 21:45522
KIRRMANN, J. M. Effect of ionizing radiations on metabolism of chick, 24:41950
  Mechanism of radioprotective action of cysteamine on an embryonic organ, 21:12939
  Radiosensitivity and possibilities of radioprotection and radiorepair of nucleic acids, 24:12106
KIRRMANN, J.-M. Radiosensitivity and possibilities of radioprotection of lactic dehydrogenase of an embryonic chicken organ cultured in vitro, 23:6548
KIRRMANN, Jean-Michel Chemical protection against the early effects of x rays on the incorporation of tritium labeled thymidine in the embryonic chick intestine in vitro, 22:19373
  Radiorestoration effect of nucleic acids, 22:40733
  Radiosensitivity effects of lactic dehydrogenase, 21:20070
KIRSANOV, N. D. Evolution of gases from molybdenum, 25:47125
KIRSANOV, V. V. Chains of correlated atom—atom collisions and characteristics of their propagation, 25:52898 (JPRS-53800, pp 29-37)
  Influence of the energy spectrum of a neutron flux on the size distribution of defect clusters, 25:52897 (JPRS-53800, pp 24-8)
  Mathematical simulation of radiation damage, 23:48973
  Method of studying the dynamics of radiation defects in crystals by means of a computer, 22:11499
  Model for thermal motion during radiation damage in crystals, 23:48972
KIRSANOVA, G. I. Assessment of conditions of work and state of health of medical roentgenologists, 21:32693
  Characteristics of vascular dystonia in subjects exposed to chronic irradiation, 22:40885

Effect of ionizing radiation on the nervous system, 23:29886
Some changes of the cerebral hemodynamics in the case of exposure to ionizing radiation, 23:31970 (A-AC.82/G/L-1264, pp 49-62)
KIRSANOVA, R. V. Genetics and selection of Beauveria bassiana (Bals.) Vuill., an entomopathogenic fungus. I, 25:26703
KIRSCH, D. PRAWDA: FORTRAN program for pyrometric interpretation of steam-and gas-cooled reactors, 23:26112 (KFK-725)
PRAWDA: program for thermal design of steam and gas cooled reactors, 23:17178 (EURFNR-582)
KIRSCH, E. Diagnostic results of nuclear medicine in polycystic degeneration of kidneys, 25:545
Rocket experiments for the investigation of Northern Lights, 22:11326
Rocket experiments on aurorae: results of EI 101 proton detectors, 25:1070
Scintigraphic and angiographic diagnosis of kidney tumors, 24:21233
Scintigraphic findings in renal tumors, 24:776
KIRSCH, H. Morphology and chemistry of magnetite layers, 25:58165 (AEC-tr-7237)
KIRSCH, H. C. Optical properties and superconductivity of $NbSe_2$, 25:25073
KIRSCH, J. Polarized target for low-energy protons, 21:21353
Relaxation and dynamic polarization by paramagnetic impurities, 22:9436
KIRSCH, Jack F. Absence of carbonyl oxygen exchange concurrent with the alkaline hydrolysis of substituted methyl benzoates, 23:160
KIRSCH, Karl A. Significance of the total-body hematocrit in measurements of blood compartments, 25:13338
KIRSCH, L. Annihilations of antiprotons at rest in H. VI, 21:871 (NEVIS-154)
Annihilations of antiprotons at rest in H. VI, 21:29447
Evidence for Ξ resonances in the $\Xi(1530)\pi$ system, 24:24231
Neutral decay branching ratios of eta^0 meson, 22:7423
Partial decay rates of eta^0 meson, 22:7422
Production of neutral A_2 meson in reaction $\pi^+ + p \rightarrow N^{*++} + \pi^+ + \pi^- + \pi^0$, 21:37709
Ξ resonances in $K^-p \rightarrow \Xi\pi K$ at 2.87 GeV/c, 23:51862
KIRSCH, Lawrence Prog. rpt. on elementary particle physics, 9/1/67—4/31/68, 22:34849 (NYO-3178-5)
Prog. rpt. on elementary particle physics, 5/31/69, 23:30723 (NYO-3178-6)
Prog. rpt. on elementary particle physics, 5/70, 25:1355 (TID-25571)
Prog. rpt. on research in elementary particle physics, 5/31/71, 25:36419 (NYO-3178-8)
Search for a strange boson of mass less than 670 MeV, 23:5548
KIRSCH, Lawrence Edward Three-body decays of the K^0 meson and the $\Delta S = \Delta Q$ rule, 21:2364
KIRSCH, M. Dose values on walls of irradiation room for conventional x-ray depth therapy, 21:39292 (SZS-8/67)
Induction of intracranial tumors by ionizing radiation, 22:25975
KIRSCH, Manfred Tissue equivalence of phantom materials for orthovolt x-ray therapy, 22:25848
KIRSCH, R. Regulation of albumin synthesis and catabolism by alteration of dietary protein, 22:30993
KIRSCH, W. Glomerular clearance in whole-body counter, 24:19338
Unilateral determination of effective renal plasma flow by radioisotopes, 25:26826
KIRSCH, William J. Retention, distribution, and absorption of inhaled albumin aerosol, 21:43480
KIRSCHBAUM, E. Effect of x rays on RNA metabolism in Ehrlich ascites tumor cells, 25:52180
KIRSCHBAUM, H. S. Nuclear rocket engine controls, 21:42808
KIRSCHBAUM, W. F. Radiation-induced non-disjunction and loss of chromosomes in Drosophila melanogaster females. I, 21:20133
KIRSCHENBAUM, Jay Temperature dependence of the surface-sheath nucleation field in strong-coupling superconductors, 23:34353
KIRSCHENBAUM, Jay Haren Microwave studies of superconducting surface sheath in pure and alloyed lead, 25:52751
KIRSCHFELD, Heinke Copulation of uv-irradiated and unirradiated Saccharomyces cells of different ploidy, 21:9025
KIRSCHLER, L. H. Comparison of relative merits of 304 vs 316 stainless steel for liquid metal service, 22:8694 (MSAR-67-216)
Description of MSAR Loop 3 test facility for high-temperature mechanical properties test program in Na, 23:24345 (MSAR-69-45)
Effect of high temperature Na on mechanical properties of alloys for LMFBR, 23:41604 (MSAR-69-139)
Effect of high-temperature Na on mechanical properties of candidate alloys for LMFBR program, 23:46033 (ANL-7520(Pt.1), pp 41-54)
Effect of high-temperature Na on mechanical properties of candidate alloys for LMFBR program, 24:39630 (MSAR-70-76)
Effects of high temperature sodium and helium environments on design properties of 304 and 316 stainless steels, 24:25640 (MSAR-70-38)
Mechanical properties tests of 304 SS specimens of 1200F Na, 21:34858 (MSAR-67-103)
Mechanical strength of austenitic steel in Na, air, and He, 24:10055
Prog. rpt. on effect of high temperature Na on mechanical properties of alloys for LMFBR program, 4—6/69, 24:8055 (MSAR-69-178)
Synopsis of effects of environments on mechanical properties of 304 and 316 ss, 24:14705 (TID-25337)
KIRSCHMAN, R. K. Ac and dc potentials in superconducting phase-slip structures, 25:19610
Current noise in weak superconductors, 25:38309
KIRSCHNER, Hartwig K-conversion coefficient of decay of /sup 191m/Os, 24:22185
KIRSCHNER, I. Effect of impurities on superconducting transition temperature, 25:33188
Impurity-induced T/sub c/ = 0°K superconductivity, 25:38311
KIRSCHNER, Ilana The effect of copper on the radiosensitivity of bacteria, 24:34797
KIRSCHNER, Istvan BCS theory and possibility of achieving superconductivity at room temperature, 21:39945
Josephson effect and the flux quantization in superconductors, 22:13408
KIRSCHNER, Marc W. Conformational changes in proteins as measured by difference sedimentation studies. I. A technique for measuring small changes in sedimentation coefficient, 25:39510
KIRSH, I. E. Radiation hazard and radiology in the operating room, 22:49328
KIRSH, Y. Effects of x irradiation on the ionic conductivity of doped SrF_2 crystals, 25:36304
KIRSHBAUM, Jack D. Study of aplastic anemia in an autopsy series with special reference to atomic bomb survivors in Hiroshima and Nagasaki, 25:42698
KIRSHENINA, I. I. Electrical resistance of Ti—Nb alloys at high pressures, 25:36321
KIRSHIN, V. A. Blood in chicks irradiated by x rays, 22:47587
Egg laying of hens under action of incorporated ^{131}I, 25:29661
Skeleton bone changes as result of radioactive Sr intoxication, 23:31933
KIRSHNER, Robert P. Extreme ultraviolet observations of active regions in the chromosphere and the corona, 24:25901
KIRSHTEIN, G. Kh. Effect of nonuniformity of magnetic field and velocity profile in conduction flowmeter with duct of rectilinear cross section for Re/sub m/ much less than 1, 25:45356
Effect of velocity distribution along a channel cross section on flow measurement by a pulsating field counter, 21:35075
KIRSLIS, S. S. Fission-product behavior in molten-salt reactors, 21:36794
KIRSNER, Joseph B. Gastric irradiation in the treatment of peptic ulcer, 23:20279
Mild gastric fundal irradiation in the treatment of peptic esophagitis, 23:2892
KIRSON, M. W. Continuous-spectrum aspects and finite-rank structure of a self-consistent nuclear potential, 24:43544
Higher-order core polarization contributions to effective interactions, 22:53253
Interaction of two nucleons in a nucleus, 25:10079
Number-conserving sets and contributions to the effective nuclear interaction, 24:1905
Third-order terms in the Bloch—Horowitz—Brandow expansion, 24:43536
KIRSON, Michael W. Cluster rearrangement of the ground-state energy expansion for nuclear matter, 21:30040
Effective interaction in finite nuclei, 24:49958
Nuclear single-particle potentials and natural orbitals, 24:11055
Reaction matrix theory of single-particle potentials in nuclei, 22:42104
Separable structure of a self-consistent potential in the reaction-matrix theory of nuclei, 24:3974
KIRSON, Michael Wolf Three-body interactions in nuclear matter, 21:46832
KIRSOPP, R. G. Evidence from πp phase shift analysis for nine more possible nucleon resonances, 22:13757
K^+p phase shift analysis: an alternative solution, 25:25440
Resonances and Regge poles in pion—nucleon scattering, 23:32741
KIRST, Al Jr. Undersea mineral analysis with ^{252}Cf, 25:48468 (CONF-710402-(Vol.3), pp III.7-19)
KIRST, Alfred Magnetic measurements of TAMVEC, 88-inch sector-focused cyclotron, 21:42485 (UCRL-17640)
KIRST, H. Data processing for bubble chambers from the point of view of a small laboratory, 25:13272 (CERN-70-21(Vol.2), pp 665-73)
KIRST, Kh. Measuring projector for the treatment of photographs from bubble chambers, 23:2650
KIRSTE, R. G. Alteration of DNA by sensitized and non-sensitized long-wave uv irradiation, 25:55308
KIRSTEIN, T. B. A. Corrosion of Zy-2 under radiation in high-pressure water, 22:21661
Effects of radiation on corrosion of some Zr alloys, 25:624
Inhibiting effect of chlorine or carbon tetrachloride on graphite oxidation, 22:19606
Replenished autoclave for in-reactor corrosion studies, 23:12273
KIRSTEN, E. Thermodynamics and magnetohydrodynamics of wave propagation in partially ionized plasmas, 22:44123
Thermodynamics and magnetohydrodynamics of wave propagation in partially ionized plasmas, 23:5404
KIRSTEN, F. Counting note: pulse response of coaxial cables, 23:11902 (TID-24925)
Pulse response of coaxial cables: counting note, 22:47403 (TID-24687)
KIRSTEN, F. A. Characteristics of standard FLOGIC cards, 23:24488 (UCID-3323)
On-line scintillation counter control system, 25:51896 (UCRL-20636)
KIRSTEN, Fred Computer-controlled fast-logic circuits, 21:3343 (UCRL-17112)
KIRSTEN, Frederick A. Acoustic spark chamber, 21:3313
Design and use of a data link for high-energy physics experiments, 23:2704 (UCRL-18181)
Low-cost large-scale magnetostrictive spark chamber digitizing system, 22:25671 (UCRL-17938)
Low-cost large-scale magnetostrictive spark chamber digitizing system, 22:40465
Operational characteristics of the CAMAC dataway, 25:57882
Short description of the CAMAC branch highway, 25:57881
Some characteristics of interfaces between CAMAC and small computers, 25:57885
Some thoughts on the data acquisition problem of high-energy physics experiments, 24:16886 (UCRL-19383)
Some thoughts on the data acquisition problem of high-energy physics experiments, 24:39358
System of fast integrated circuit logic for physics instrumentation, 23:720 (UCRL-18166)
KIRSTEN, T. Argon and potassium in mineral fractions of three ultramafic rocks from Baltic Shield, 22:6474
Detection of double beta decay, 25:43932
Experimental evidence for double-beta decay of ^{130}Te, 22:32655
Experimental limits on the existence of anomalous electrons, 22:26553
Isotope analysis of moon samples, 25:944
Isotopic analysis of rare gases in Te ore of Boliden, Sweden, 22:18721
Mass spectrometric detection of $\beta\beta$-decay products, 21:31746
Rare gases in lunar samples, 24:20711
Yields of stable and radioactive rare-gas isotopes formed by 3- and 29-GeV proton bombardment of Cu, Ag, Au, and U, 24:40594
KIRSTOWSKY, E. C. Brazing the shell assembly for the BONUS superheater fuel element, 25:55425
Fabrication of rebuilt BONUS reactor superheater fuel assembly, 21:31946 (ORNL-4072)
Production and testing of superheater fuel elements, 25:37024
KIRTLEY, W. F. Fast-acting liquid shut-down system, 21:38612
KIRTLEY, William Fairley Apparatus for effecting emergency shut down of a nuclear reactor, 21:44900
Improvements in or relating to reactivity control of nuclear reactors, 22:20973
KIRTMAN, Bernard Distinguishable-electron method for electronic structure calculations. II, 25:52691
Interchange theorems in degenerate perturbation theory, 23:3295
Two algorithms for choosing optimum parameters in variation—perturbation calculation of physical properties, 25:52692
Variation-perturbation treatment of scattering problems. I, 25:16815
Variational form of Van Vleck degenerate perturbation theory with particular application to electronic structure problems, 23:3293
KIRTON, Kenneth T. Serum luteinizing hormone and progesterone concentration, 24:14386
KIRVALIDZE, I. D. Influence of reactor irradiation and quenching on silicon microhardness and microbrittleness, 25:38037
KIRWAN, D. Localized oscillator expansions of nuclear two-body wave functions, 24:15987
KIRWAN, Donald F. Harmonic oscillator expansions of the hydrogen atom, 23:39302
KIRWAN, Donald Frazier Approximate wave functions in nuclear two-body problems, 24:15780
KIR'YAKOV, M. A. ^{103}Pd distribution in the animal organism, 25:55112
KIRYANOV, G. I. Investigation of the circuit and choice of main elements of the accelerating voltage source of the pulse neutron generator, 21:13788
KIR'YANOVA, E. A. Study of radiation damages in lymphocyte nuclei, 23:6392
KIRYU, Kiyomi Canned-type, control-rod drive for JMTR, 21:25726
KIRYUKHIN, D. P. Congealing and regeneration phenomena of polymer chains during the radiative post-polymerization of low-temperature polymorphic modification of solid acrylonitrile, 24:9348
Radiation polymerization of solid formaldehyde at 80 to 90°K, 25:21016
KIRYUKHIN, V. P. Preplanting treatment of potato tubers with ^{60}Co γ rays, 23:20424
Radiosensitivity of tubers as a function of their physiological condition, 24:25607
KIRYUKHINA, A. I. Hydrogen ionization and the excitation of quiescent prominences, 25:27395
Turbulent velocities and the structure of quiescent prominences, 23:41841
KIRYUSHCHENKO, A. I. Measurements of parameters of nonequilibrium cesium plasma, 24:3349
KIRYUSHIN, A. I. Angular distribution of neutrons from isotropic source beyond Pb and Fe, 25:25617
Investigation of the angular distribution of neutrons from an isotropic source beyond lead and iron barriers, 24:45311
KIRYUSHIN, Yu. T. Generators for streamer chambers, 21:45401
Magnetostrictive spark chambers in a magnetic field, 23:11861
Wire spark chamber with static magnetostrictive delay-line store, 22:47370 (JINR-P13-4020)
KIRYUSHKINA, A. A. Mapping of uvr gene of S. typhimurium, 25:13408
Repair of uv-damaged DNA by cells of Bacillus subtilis, 25:51996
UV-induced mutagenesis in B. subtilis, 24:21124
Uv-induced mutagenesis in rec^--strains of E. coli K-12, 23:29451
KIRYUSHKO, V. I. Current distribution in a coaxial accelerator, 24:49136
KIRYUTIN, A. K. Thermal conductivity of ceramics based on boron nitride and aluminum nitride, 25:58385
KIRZ, J. Bubble chambers for strong-interaction physics, 24:50613 (TID-25473(Vol.2), pp 277-8)
Peripheral hyperon and Y^* production in $\pi^- p$ interactions at high energy, 24:24378

  $\pi^+n \to$ eta p: Regge parametrization using Veneziano-type residue functions, 24:1523
  Small-angle charge-exchange experiments, 24:51955 (TID-25473(Vol.4), pp 71-5)
KIRZ, Janos Decay properties of the $A_2(1310)$ meson, 21:9712
  Design and construction of 1.2—1.9 BeV/c, separated K^- meson beam, 21:4151 (UCRL-17018)
  Evidence against an I = 5/2 baryon resonance of mass 1640 MeV/c^2, 23:34528
  Low-mass K anti K systems produced in π^-p interactions below 5 BeV/c, 21:2379
  Multipion final states from π^-p interactions at 3.2 and 4.2 GeV/c, 22:15690
  Peripheral production in the forbidden reaction $\pi^-p \to Y^{*-}K^+$, 23:14984
  Strange-particle production in π^+d interactions from 1.1 to 2.4 GeV/c, 24:45437
  Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. I, 22:5509
  Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. II, 22:5510
KIRZHNER, M. A. Tricomponent activity induced by competing reaction, 25:54498
KIRZHNITS, D. A. Field theoretical methods in many-body systems, 21:35245
  Finite solutions in the theory of nonrenormalizable interactions, 21:21151
  Gauge invariant nonlocal quantum electrodynamics, 22:26692 (JINR-P2-3590, pp 55-8)
  High-temperature superconductivity, 25:58934
  Influence of crystal lattice on nuclear properties of superdense matter, 25:40202
  Limits of applicability of the theory of weak interactions, 25:33663
  Moessbauer effect and elementary length, 22:20156 (INP-555/PH, pp 93-8)
  Moessbauer effect and the theory of quantized space—time, 22:26574 (JINR-P2-3590, pp 46-51)
  Moessbauer effect and theory of quantized space—time, 22:24572
  Nonlocal quantum field theory, 22:26688 (JINR-P2-3590, pp 11-16)
  Nonlocal quantum field theory, 21:37920
  Plasma oscillations of the electron shell of the atom, 21:3852
  Problem of high-temperature and superficial superconductivity, 22:9268
  Role of quantum fluctuations of a gravitational field in general relativity and cosmology, 25:30224
  Simple microscopic model of atomic nuclei, 22:3749 (INP-555/PL/PH, pp 137-45)
  Superconductivity in systems with arbitrary interaction sign, 23:32283
  Superfluidity and superconductivity of neutron stars—pulsars, 25:24778
  Thermodynamic behavior of thin superconducting films, 21:25078
  Upper limit of elementary length, 22:17965
KIRZHNIZ, D. A. Superconductivity in white dwarfs and pulsars, 23:1078
KISABETH, J. L. Ionospheric irregularities caused by acoustic waves, 22:2924
KISABETH, Jerry L. Development of the polar electrojet during polar magnetic substorms, 25:56029
KISBENYI, M. Investigations in field of radiation-induced solid state polymerization. XXII, 22:35840
KISDI, D. Calculating internal structure of neutron stars, 24:17498
  Introduction to quantum mechanics and its application, 24:49289
  Nucleus formation in stellar matter, 25:6926 (NP-18544)
  Quantum-mechanical three-body problem. II, 23:5975
  Theory of neutron stars, 21:20723
KISDI, David Effective interaction of nucleons in infinite nuclear matter, 25:31416
  Field-theory method in the quantum-mechanical many-body problem. II, 21:10078
  Neutron stars, 25:32894
KISDI-KOSZO, E. Slow neutron chopper-monochromator with curved slits, 21:3346
KISDI-KOSZO, Eva Neutron scattering investigations of the dynamics of critical state in iron, 22:32430 (KFKI-8/1968)
KISE, Masahiro Oxygen exchange and racemization reactions of sulfoxides in acetic and chloroacetic acid, 22:42678
  Stereochemistry of sulfoxide in the base-catalyzed hydrogen-isotopic exchange of aryl-methyl sulfoxide, 21:3018
KISE, Seiichi Radioinduced telomerization and polymerization of ethylene in alcohols, 22:4166
KISEL, V. S. Generalization of the volt—ampere characteristic of coaxial plasmatron with magnetic stabilization of the electric arc, 22:19202
  Investigation of direct-current coaxial plasmatron, 22:9394
KISELEV, A. A. Six-electrode ac plasmatron, 21:31465
  Three-phase, ac plasmatron, 21:20982
KISELEV, A. E. Current problems of bone marrow transplantation, 21:24514
KISELEV, A. V. Gas-chromatographic study of the effect of radioactive radiation and heat treatment on the adsorptive properties of magnesium sulfate, 25:54603
KISELEV, B. A. EPR and IR study of relation between changes of mechanical properties and chemical structure of reinforced plastics and epoxide binding upon electron irradiation, 24:2251
KISELEV, B. G. Decay of ^{108}Sn, 24:33145
  Decay of ^{120}Sb, 24:18438
  Decay of ^{61}Co and ^{62}Co, 23:40023
  Decay of isomers of ^{62}Co, 23:13238
  Decays of ^{113}Sb and ^{115}Sb, 24:22179
  Internal conversion electrons in ^{173}Lu, 24:28803
  Investigation of the decay chain $^{116}Te \to {}^{116}Sb \to {}^{116}Sn$, 23:13275
KISELEV, B. L. Radiation monitoring system for water-cooled nuclear power plants, 25:53987 (A/CONF.49/P-687)
KISELEV, B. P. Difference in the electrode potentials of the amalgams of two lithium isotopes, 22:50970
  Separation of radium and barium based on the mobilities of the ions, 23:43392
KISELEV, B. V. Spatial distribution of geomagnetic pulsations, 24:39982
KISELEV, G. V. Nuclear power plant with BN-350 Reactor, 22:7828
KISELEV, I. E. Charge-transfer accelerator for nuclear studies with polarized beams of accelerated ions, 23:46887
  Ionizer with a three-electrode electron gun and ionizing efficiency of 0.002, 21:24907
  Measurement of tensor polarization of polarized deutron beams, 22:14025
  Polarized negative deuteron injector for a tandem accelerator, 24:38048
KISELEV, I. P. Possible means of increasing the intensity of radiation from radioactivity applicators, 23:13958
KISELEV, M. I. Self-similar motion in magnetogasdynamics with variable conductivity, 21:2087
  Ultrasonic vibrations of a horizontal cylinder in crossed electric and magnetic fields, 25:45352
KISELEV, O. A. Transformer for accelerator tube, 25:59648
KISELEV, O. N. Slow amplitude and phase variations of 10 cm radio waves on traces near earth, 23:22983
KISELEV, P. N. Determination of role of microbial intoxication in pathogenesis of intestinal syndrome of acute radiation sickness, 24:51052
  Effects of radiation on immunogenesis, 24:7939
  Essential differences and treatment of hemorrhagic syndrome in acute radiation sickness provoking the infection and causing its intoxication, 21:45686
  Influence of disturbances of oxidation and phosphorylation on sensitivity of irradiated animals to microbe toxin, 21:11032
  Interferon in chicken fibroblasts after x-irradiation, 22:47642
KISELEV, V. A. Current distribution in a coaxial plasma gun, 21:3876
  Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
  Interaction of modulated relativistic beams with plasma, 25:40628
  Operation of the coaxial plasma source in a longitudinal magnetic field, 21:3877
  Rotating ring resonator in a gravitational field, 24:35711
KISELEV, V. F. Interaction of graphite fresh surface with different gases and vapours, 21:41689
  Valency state of peripheral carbon atoms on the surface of a fresh graphite fracture, 21:24835
KISELEV, V. I. Actinium aerosols determination in the air in the presence of other radioactive substances, 25:26394
KISELEV, V. S. A(theta) asymmetry in elastic 635-MeV pp-scattering, 21:23306 (JINR-E1-3194)
  Description of elastic NN-scattering in meson model of nuclear forces, 21:17135 (JINR-P4-3135)
  Discrimination of statistical hypotheses of values of X^2 of same order, 21:29562 (JINR-P1-3268)
  Measurement of R parameter and phase-shift analysis of pp-scattering at 600 MeV, 21:18896 (JINR-P1-3167)
  Measurement of the R parameter and the phase shift analysis of the pp scattering at 600 MeV, 22:5505
  Measurement of Wolfenstein parameter in 605-MeV pn scattering, 25:17375
  One-boson exchange potential and nucleon—nucleon scattering below 330 MeV, 22:27286
  Phase-shift analysis of elastic p—p scattering at an energy 635 MeV and inelastic interaction cross sections, 23:8727 (JINR-P1-4155)
  Possible method to discriminate statistical hypotheses at close values of chi^2 and application to phase shift analysis of nucleon—nucleon scattering, 22:24678
  pp scattering at 640 MeV, 24:21996
  Spin correlation in the elastic scattering of polarized 605 MeV protons on protons, 21:17038
  U(theta) asymmetry in elastic 635 MeV pp-scattering, 22:13651
KISELEV, Yu. T. Two-particle recording efficiency of argon—acetylene filled spark chamber, 21:39249
  Use of electric conducting polyethylene as spark chamber electrode, 21:45391
KISELEVA, A. G. Electrolysis of Mo(VI) with Hg cathode in the presence of Ni and Co, 24:39009
KISELEVA, E. D. EPR method for investigation of ^{60}Co γ radiation effects on anion exchange resins, 21:5947
  Mechanism of action of ionizing radiation on anion exchanger AV-17, 24:31409
  Mechanism of action of radiation on cation exchanger KY-2, 24:31410
  Mechanism of the radiation-induced oxidation of AV-18 anion-exchange resin, 25:44379
  Radiation resistance of KU-4 cationite, 21:40914
KISELEVA, E. S. Clinico-morphological changes in malignant thyroid tumors after preoperative distance gamma-therapy, 21:45683
  Clinico-roentgenological studies of affection of pulmonary tissue with colloidal ^{198}Au, 21:3421
  Morphological changes of thyroid cancer in telegammatherapy, 25:42679
KISELEVA, K. V. Effect of deviations from stoichiometry on certain properties of the phase Nb_3Sn, 22:44062
  Effects of impurities on properties of the Nb_3Sn phase, 25:36039
  Superconductivity in the Lamellar structures of Type $NbSe_2$, 24:8118
  Superconductivity of lamellar structures, 24:45185
  Superconductivity of niobium diselenide, 25:36041
  X-ray diffraction of ion-bombarded diamonds, 25:9557
  X-ray study of the phase transition in Nb_3Sn, 22:46060
KISELEVA, M. N. Radiochemical reduction of MeF_2—RE^{3+} crystals, 22:37025
KISELEVA, M. V. Radio communications conditions at high latitudes in years of decreasing solar activity, 21:29121
KISELEVA, N. A. Injector for cyclic electron accelerator, 24:8792
KISELEVA, N. E. Analysis of a ternary niobate [of Pb, Ca, and Sr], 23:64
KISELEVA, O. A. Estimation of the molecular weight of the anomalous component of modified water by a cryoscopic method, 24:20670 (ORNL-tr-2301)
KISELEVA, V. H. Hysterography in intracavitary treatment of uterine cancer with ^{60}Co beads, 21:3424
KISELEVICH, I. L. Heat exchange and temperature control system for the 2-meter liquid hydrogen bubble chamber, 25:29376
  Magnet of the ITEP two-meter liquid, 25:21435
  System of heat-exchange and thermostabilization for 2-meter liquid-hydrogen bubble chamber of ITEF, 25:421 (ITEF-734)
KISELEVSKII, L. I. Application of spectroscopic methods for diagnostics of low-temperature plasma, 21:39988 (AD-653557)
  Application of stabilized strong-flow arc for generation of air plasma at temperature to 35000°K, 23:42332
  Destruction of metals by pulse plasma jet, 22:44124
  Investigating a stationary thermal air plasma in a wide range of pressures and temperatures, 21:805
  Investigation of pulse discharge in axial-turbulent air flows, 23:12792
  Investigations of plasma formations produced by interaction of flares of a pulsed discharge of large power, 21:11639
  Light source investigation based on breaking of pulse discharge supersonic jets, 21:9570
  Temperature profile of arcs of small cross section, 22:41614
KISER, Robert W. Mass spectrometry, 22:25297
  Neutron capture by selected cobalt complexes. I, 23:26316
KISER, S. R. Hysteresis effects in three superconducting phases of gallium, 21:7159
KISH, G. M. Evaluation of the upper energy of electrons during Compton scattering, 22:36062
KISH, I. MI-1305 mass spectrometer for isotopic analysis of natural C and O, 21:1689
KISH, James A. Long-lived radioactivity in concrete by neutron activation, 21:45280 (N-67-24400)
  Long-lived radioactivity produced in concrete materials by neutron activation, 21:24409 (NASA-TM-X-1361)
  Neutron and gamma measurements for NASA Plum Brook Reactor HB-6 beam hole insertion facility, 24:31103 (N-70-19195)
KISH, P. P. Complex formation and extraction of bromotellurate, 25:12935
KISHBAUGH, A. A. Performance of centrifugal mixer—settler in the reprocessing of nuclear fuel, 22:8250 (DP-MS-67-71)
  Performance of centrifugal mixer—settler in reprocessing nuclear fuel, 24:9566
KISHBAUGH, Albert A. Curium process development. IV, 24:31341 (DP-1146)
KISHI, Hajime Determination of Cu, Ar, and Sb in P, 24:16479
KISHI, Kumeyo Two-photon ionization of cesium and sodium vapors, 24:51687
KISHI, Y Nucleon—nucleon potential of one-boson-exchange type, 22:27283
KISHI, Y. Irradiation test of the Sumitomo test assembly, 24:14970
KISHI, Yosuke Nucleon—nucleon potential of one-boson-exchange type, 22:9624
  One-boson-exchange type nucleon—nucleon potential, 24:30534
  One-boson-exchange-type potential in triplet even state, 24:42985
KISHIDA, Hideo Method for estimating an enhanced ionization in lower ionosphere, 21:15029
KISHIDA, K. Malfunction detection in fast reactors, 22:53370
  Safety and licensing considerations for a 350-MW(e) DFBR, 24:7156
KISHIDA, Kimihiro Emergency valve for a reactor, 22:53437
KISHIDA, Koji Development of a magnetic jack type control rod drive mechanism for power reactors, 21:23668
  Device for driving a control rod, 22:50858
KISHIDA, T. Nuclear testing on the Enrico Fermi Reactor through 200 MW, 25:50945
KISHIDA, Yoshikazu Effect of x-irradiation on Dugesia japonica, 24:46649
KISHII, T. Effects of neutron irradiation on stress build-up in glass, 24:10216
KISHIKAWA, T. Fast neutron flux close to the neutron generator target, 25:50616
KISHIKAWA, Toshiaki Geometry calculation and flux measurement for the fast neutron irradiation with an accelerator, 22:49037
  Hot-atom chemistry of Br. IV, 24:36322
  Hot-atom chemistry of bromine. II, 23:49871
  Optimum geometric position for radioactivation by fast neutron, 24:33654
  Reaction of bromine activated by /sup 82m/Br isomeric transition in benzene, 23:15902
KISHIMA, Noriaki Electrolytic fractionation of Ca isotopes, 22:4244
KISHIMA, Shigeru Effect of temperature on the susceptibility to stress-corrosion cracking of stainless steels, 24:41081 (BNWL-tr-53)
KISHIMOTO, H. Design and construction of PIACE, 25:30587 (EUR-4593, pp 431-41)
KISHIMOTO, Mokuyoshi Isotopic analysis of iron, 23:9316
KISHIMOTO, S. Plasma production by molecular ion injection into a magnetic mirror, 25:52838

KISHIMOTO, Shun'ichi Loss cone instability in an external highfrequency electric field, 23:18680
  Velocity anisotropy instability of plasmas in high-frequency electric field, 25:38489
  Velocity anisotropy instability of plasmas in high frequency electric field, 25:40643
KISHIMOTO, Syunsuke Narrow muon bundles below ground, 25:9632
KISHIMOTO, Teruo Anharmonic vibrations in spherical even-even nuclei, 22:48520 (JAERI-1158, pp 90-5)
  Anharmonic vibrations in spherical even—even nuclei, 23:5953
  Anharmonic vibrations in spherical nuclei, 22:27320
  Coefficients of fractional parentage of many-boson systems, 25:23089
KISHINEVSKAYA, L. P. Coupling on line and logic for the exchange of information between the measuring projector for the treatment of the track chamber photographs and the computer, 21:19917
KISHINEVSKAYA, M. B. New method of determining absorbed doses of gamma radiation, 25:4520
  Optical properties of carbohydrates subjected to γ irradiation, 21:113
  Use of glucose dosimeter as standard indicator of gamma-radiation high doses, 23:11885
KISHINEVSKII, L. M. Auger ionization induced by multicharged ions, 23:5220
  Auger mechanism of characteristic losses occurring in atomic collisions, 22:47819
  Characteristic energy losses in Ne^+—Ne collisions, 25:43150
KISHINEVSKII, V. B. Corrosion resistance in water of some alloys of uranium with zirconium, niobium, and molybdenum, 24:29914 (UCRL-Trans-10455)
  Kinetics of the isothermal transformation of gamma solid solutions of some uranium alloys, 24:29974 (UCRL-Trans-10452)
KISHKIN, S. T. Titanium and its alloys, 25:24575
  Use of high-temperature thermomechanical treatment in the manufacture of extruded BT-15 Ti alloy tubes, 21:6773
KISHKO, S. M. Determination of excitation cross sections of certain O_2^+ bands by intersecting beam method, 22:50009
KISHKO, Ya. G. Serological homogeneity of Cl. Perfringens and its radiation mutants, 24:34281
KISHKOVSKII, A. N. Functional and morphological changes in the breathing system and the intestinal tract during remote dates of chronical radiation sickness, 23:6573
KISHKURNO, V. V. Momentum vector in a magnetic track spectrometer, 25:8561
  Testing thin-foil spark chambers, 24:14308
KISHORE, Bijoy Energetics, morphology, crystallography, and theory of displacive transformations in near-equiatomic niobium—ruthenium alloys, 25:29882 (COO-1198-807)
KISHORE, K. Annealing of recoil effects in Co(III) complexes, 25:32018
  Thermal annealing and solid state isotope exchange of ^{51}Cr in K trisoxalato chromate(III) trihydrate, 25:57490
KISHORE, N. Acceleration covariance in isotropic hydromagnetic turbulence, 25:38195
  Significance of roentgenological findings in the evaluation of maturity of the newborn, 22:28551
KISHSH, D. Scintillation NaI(T1) gamma spectrometer with a ring guard crystal, 25:21425
KISHSH, L. Polymerization of acrylonitrile in a urea complex, 24:13946
KISIELESKI, W. E. Liquid scintillation assay of ^{14}C and tritium in biological materials, 24:20718
KISIELESKI, Walter Radiation effects and cell renewal, 24:12292
KISIELESKI, Walter E. Effect of dose levels and specific activities of tritiated thymidine in hamster, 23:45604 (ANL-7535, pp 37-9)
  Evaluation of combustion methods for the measurement of tritium, 23:45608 (ANL-7535, pp 285-7)
  Tumor induction in mice by radioactive thymidine, 21:20392
KISIELEWSKA, D. Decay distributions in reaction $\pi^+p \rightarrow K^+Y^{*+}(1385)$ and polarization of Λ hyperon from $Y^{*+}(1385)$ decay at 8 GeV/c primary momentum, 25:14559 (INP-731)
  Pion production mechanism in high multiplicity π^+p interactions at 8 GeV/c, 25:45746 (INP-755)
KISIELEWSKI, J. Angular correlations of γ cascades in ^{155}Gd, 22:39631 (JINR-E6-3906)
KISIL, I. M. Lattice parameters and energy release control in the Beloyarsk reactor, 22:22770
KISILEVICH, V. O. Obtaining a protective aluminum coating on titanium and zirconium, 22:21679
KISIN, B. I. Effect of gamma-neutron radiation on some physicochemical properties of glasses, 22:12348
KISIS, A. Yu. Electromagnetic methods of measuring the parameters of MHD processes, 25:9273
KISKACHI, A. Yu. Electric properties of β-rhombohedral boron at high temperatures, 24:36908
  Thermal conductivity and crystal structure of β-rhombohedral B, 24:3019
KISKER, Dale S. Benthic infauna communities off coast of Washington and in Puget Sound, 24:36122 (RLO-1725-174)
KISKORE, K. Role of oxygen carriers in the chemical consequences of nuclear recoil in hexammino Co(III) nitrate, 22:16588
KISLETSOV, A. V. Intense electron beam autoacceleration, 25:20220
KISLII, P. S. Sintering process of zirconium diboride with tungsten, 25:29930
KISLINGER, M. Current matrix elements from a relativistic quark model, 25:38727
  Fermion Reggeization without parity doubling, 24:13097
  Regge amplitude arising from SU(6)/sub w/ vertices, 24:40446
KISLITSINA, G. I. Plutonium-239 in nature, 22:25516
  Plutonium-239 in nature, 23:2411 (AEC-tr-6968)
  Plutonium-239 in nature, 23:35334
  Radioactivity and absolute age of the young volcanic rocks, 21:36117
KISLITSYNA, G. I. Heavy radioactive elements in volcanogenic processes, 22:25506
KISLIUK, P. Absorption spectrum of U^{4+} in zircon ($ZrSiO_4$), 21:25849
KISLOV, A. Ya. Distribution of total pressure in the plasma flow emerging from a quasi-stationary injector, 24:40067
  Electrical potential distribution in a coaxial quasi-stationary plasma injector, 23:51715
  Experimental study of a two-lens accelerator, 25:36115
  Ion motion in a double-lens accelerator with closed electron drift, 25:49886
KISLOV, K. P. Covering the modulated part of load diagram in large power systems, 25:34239
KISLOV, V. Ya. Oscillations in a beam generated plasma, 22:7290
  Physical foundations of plasma applications for generation and amplification of microwaves, 22:5356
  Plasma and electronic super-high frequency amplifiers and oscillators, 21:766 (JPRS-36717)
  Spatial distribution of electromagnetic waves in the beam-plasma discharge, 23:42363
KISLOVSKII, L. D. Electron structure and the chemical bonds in vanadium pentoxide, 25:30668
KISLY, P. S. Nonmetallic thermocouples and shielding tubes. I, 24:3010
KISLYAKOV, A. G. Effective temperature of cosmic blackbody radiation at 3.58 mm, 25:45286
  Preliminary results of 2.11-mm observations of discrete radio sources, 22:36576
  Radio emission of Crab Nebula and Jupiter at 77.5-GHz frequency, 22:13111
  Radio emission of Venus and Jupiter at 2.25 and 8 mm, 23:41906
  Radio intensity variations of 3C 273 at 2.3 and 8.15 mm, 25:58524
  Radioastronomical investigations in millimeter- and submillimeter-wave ranges, 25:7034
  Solar radio emission at 2.25 mm and 8.15 mm wavelengths, 23:46203
KISLYAKOV, A. I. Anomalous plasma resistance in TM-3 Tokamak, 24:3332 (MATT-Trans-92)
  Influence of turbulence on accuracy of microwave "cutoff" measurements of plasma concentration, 21:31419
  Plasma diagnostics in TM-3 Tokamak, 25:22492
  Plasma investigation in Tuman machine by probing with fast atomic beams, 23:51617
  Plasma probing by two atomic beams for determining pinch shift, 24:51630
  Research on ultra-high-frequency heating and adiabatic compression of a plasma in the Tuman-2 facility, 25:38389 (CONF-710607-141)
KISLYAKOV, I. P. CdO—MoO_3 system, 23:41749
  Reactions of $PbWO_4$ with $ZnWO_4$ and $CaWO_4$, 22:31491
KISLYAKOV, O. V. High-transmission spectrometer for nuclear charges of primary cosmic rays, 21:37210
KISLYAKOVA, N. V. Study of hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl-manganese tricarbonyls in acid media, 21:15910
KISLYI, P. S. Estimation of the surface energy of some metals and refractory compounds, 24:10069
  Investigation of the sintering of alloys of zirconium diboride with molybdenum disilicide, 21:3538
  Properties of zirconium diboride—molybdenum alloys, 21:22931
  Sintering of zirconium diboride and its alloys with molybdenum and molybdenum disilicide, 21:41666
  Structure and properties of molybdenum disilicide at high temperature, 24:27893
KISNER, R. L. Decreased variability in the cestode H. diminuta following irradiation of successive generations, 21:16513
KISO, Y. Effects of γ irradiation on phosphorus oxyacids, 23:31383
KISO, Yoshiyuki Chemical behavior of carrier free iodine, 24:20800
  Hot atom chemistry of phenylsulfur compounds, 23:43375
  Hot atom chemistry of phosphorus compounds. II, 23:256
  Hot atom chemistry of phosphorus compounds. III, 23:37991
  Radiochemical studies on surface contamination of "KUR" fuel, 23:15812 (KURRI-TR-3)
  Radionuclides and hydrogen peroxide in cooling water, 23:49595
  Recoil products of inorganic phosphorus oxyacids. II, 25:21073
  Recoil products of inorganic phosphorus oxyacids. I, 25:21074
KISON, H. Control rod considerations for steam-cooled fast breeder reactors, 22:53367
  Testing of nuclear power plant components, 24:47812
KISON, Harald Separation of steam and water in boiling-water reactors and steam generators, 25:20769
KISON, S. Changes in leucocytes following whole-body x irradiation of rabbits, 23:29782
KISPERSKY, J. P. Radiation-cured castable elastomeric polyurethanes and polythioethers, 23:40704
KISPERT, L. D. Electron spin resonance studies of radicals in irradiated crystals, 21:21966 (COO-1385-20)
  Methyl radical in irradiated single crystals of sodium acetate trihydrate, 21:8366
  Production of radicals in irradiated organic crystals, 23:47543
  Some effects of crystal structure on production of radicals in irradiated crystals, 23:4645 (COO-1385-22)
KISPERT, Lowell D. Frequency-swept electron—electron double resonance: separation of overlapping spectra in irradiated malonic acid, 22:30619
  Temperature dependence of ESR spectrum of $CO_2^-CF_2CFCO_2^-$ in irradiated sodium perfluorosuccinate, 25:31987
  Trifluoromethyl, and other radicals, in irradiated single crystals of trifluoroacetamide, 21:28034
KISPERT, R. C. Computer programs for refinery campaigns, 21:38999 (NLCO-1001, pp 1.1-17)
  Computerized control of nuclear materials for uranium residue reprocessing, 23:43502 (CONF-680506-, pp 121-39)
  Crystallization characteristics of acidic uranyl nitrate solutions, 22:4085
  Crystallization characteristics of acidic uranyl nitrate solutions, 22:48861
  Fluoride adsorption by thorium oxide in aqueous thorium nitrate solutions, 22:37857
KISS, A. Anomalous forward scattering of neutrons with energy 14 MeV on uranium, 23:5909
  Calculation of voltage surges in Van de Graaff generators, 25:25601
  Effective length of asymmetrized quadrupole lenses, 24:13238
  Electrode system of improved stress uniformity for pressurized Van de Graaff generators, 21:7595
  Electrolytic trough measurements concerning the electrostatic field of pressurized Van De Graaff generators, 22:9725 (LB/G-2577)
  Method for the study of 100 ns to 10 μs activities excited by 14.7 MeV neutrons, 25:48982
  Neutron elastic scattering cross sections of Fe and Zn in energy region 2.5 to 8.1 MeV, 23:7243 (AE-337)
  Small angle elastic scattering of 14-MeV neutrons by ^{238}U, 23:21343
  Three-photon ionization of a He atom in excited 2S state, 25:11734
  Van de Graaff generator of the ATOMKI, 24:38001
  Voltage surges in Van de Graaff generators, 24:30634
KISS, A. E. Activation energy of defects in neutron irradiated silicon, 22:44264
  Measurement of the quantum efficiency of noble-gas scintillators for x rays, 22:28112
KISS, D. Gamma—gamma angular correlation measurements in the ^{59}Co/n,γ/^{60}Co reaction, 25:34010 (KFKI-71-14)
  Gamma—gamma angular correlations in the ^{32}S(n,γ)^{33}S reaction, 21:4246
  Gamma-ray spectra from ^{163}Dy(n,γ)^{164}Dy reaction on neutron resonance capture, 24:47618
  Magnetic hyperfine field at ^{183}W, 24:32932
  Mean multiplicity in (n,γ) reactions, 24:10983
  Time-dependent interactions on rare-earth ions implanted into copper lattices, 24:49805
KISS, Dezso Experimental study of (n,γ) reactions, 21:42717
  g-factor measurement by the method of differential perturbed angular correlation, 21:27608
KISS, E. Analysis of the fundamental vibration frequency of a radial vane internal steam separator structure, 24:52883 (ANL-7685, pp 335-43)
  Fatigue crack growth in prototype piping and components, 25:22077
  Low-cycle fatigue of prototype piping, 24:36892 (GEAP-10135)
  Prog. rpt. on radial vane steam separator development, 7—9/67, 22:48980 (GEAP-5567)
KISS, F. Radiolysis of glassy 2-propanol, 23:26274
  Radiolysis of isopropanol in glassy state, 21:23972
KISS, Gabor Preparation and examination of a signal-shape discriminating plastic, 21:8592
KISS, I. Effects of fast neutrons and gamma radiation on rice, 24:17024
  Extending the storability of strawberries by means of ionizing irradiation, 23:22447
  Extension of the shelf-life of poultry by tetracycline and γ radiation, 21:13093
  Film dosimeters with wide measuring range by changes in the emulsion and conditions of development, 21:26444
  Gas-chromatographic deuteration of organic compounds, 22:42696
  Isotopic effects on vapor pressure. III, 22:42665
  Production of ^{125}I from pile-irradiated Xe difluoride, 23:21755
  Radiation tolerance of yeasts in solutions of high carbohydrate concentration, 24:36851
  Radiolysis of some hydroparaterphenyls, 21:23985
  Reduction of heat and radiation resistance of Bacillus cereus spores by initiating germination, 21:18195
  Reduction of radiation dose requirements of foods by additives, 24:48790
  Ripening of red pepper by ionizing radiation, 21:26737
  Survival and recovery of irradiated bacterial spores, 22:52076
  Vapor pressures of some deuterated alcohols and amines, 22:10249
KISS, Istvan Chemical products of nuclear reaction ^{37}Cl(n,γ)^{38}Cl in organic compounds. I, 22:30611
  Determination of boron-isotope composition on the basis of the mass spectrum of methyl borate, 21:2984
  Effect of ionizing radiation on the keeping quality of sliced pork, 25:27136 (NP-tr-1932)
  Investigation of the radiation stability of alkyl diphenyls, 21:8344
  Ionizing radiations in food industry, 23:43935
  Isotopic effects on vapor pressure. II, 21:17643
  Mass spectrometric analysis of boron isotopes in trimethyl borate, 21:25782
  Observations on radiation-sterilized sugar and its microbiological effects, 22:40991
  Preparation and applications of radioactive phosphorus isotopes, 21:36024
  Radiation-chemical transformations of hydrogenated terphenyls, 23:11586
KISS, J. Combined effects of ionizing radiations and water activity on osmophilic yeasts, 25:32632 (IAEA-R-442)

  Mineralogic constitution, properties, and genesis problems of uraniferous ore deposit of Mecsek Mountain. I, 22:23177
  Uptake of radioactive iodine by the thyroid after pinealectomy_, 22:47475
KISS, L. Nature of active centers initiating low temperature radiation polymerization of acrylonitrile, 22:12353
  Preparation and study of CaSO$_4$:Mn suitable for dosimetry, 25:49024
  Radiation polymerization of the non-isomorphous system of acrylamide—carbamide, 21:24010
KISS, Lajos Preparation and study of CaSO$_4$—Mn suitable for dosimetry, 25:44702
KISS, Laszlo Kinetics of radiation polymerization in channel complexes. I, 22:30620
  Kinetics of radiation polymerization in channel complexes. II, 22:30621
KISS, Sandor A. Volumetric-analysis determination of mercaptobenzthiazol in the heat exchanger of a reactor, 21:1265
KISS, T. Volumetric analysis and catalysis. V, 24:25004
KISSEL, G. Solubility and reactions of oxygen in sodium, 24:13652 (BNL-14249)
  Solubility and reactions of oxygen in sodium, 25:2711
KISSEL, George Disproportionation of the technetate ion, 23:45289
KISSEL, J. Negative ions in lower ionosphere, 25:49805
KISSEL, Ph. Exposure to radioisotopes, 22:45584
KISSEL, Ph. P. Equipment for intervention in a radioactive environment, 25:51753 (A/CONF.49/P-617)
KISSEL, Ph.-P. In event of serious nuclear accident, 24:7904
KISSELBACH, V. J. Atmospheric water vapor and attenuation of the cosmic-ray nucleonic component, 21:2068
KISSELEVA, K. V. X-ray-diffraction image topography and optical interference pattern in diamond layers after ion bombardment, 22:37004
KISSELL, F. Magnetic characteristics of Pr—La and Pr—Y alloys and nature of elemental Pr, 22:39164 (NYO-3454-22, Paper 3)
  Magnetic characteristics of Pr—La and Pr—Y alloys, 23:8648 (CONF-681020-(Vol.1), pp 49-58)
  Magnetic characteristics of some I:I compounds of the lanthanides with Au and Al, 21:3505
KISSELL, F. N. Apparatus for the determination of magnetothermodynamic properties utilizing a superconducting magnet, 22:44044
KISSELL, Fred N. Magnetic properties of Pr—La and Pr—Y alloys and some intermetallic compounds of lanthanide metals, 21:26830
KISSENER, G. R. Partial transitions at capture of μ^- mesons by ^{11}B and ^{14}N nuclei, 24:38127
KISSENER, H. R. Behavior of projected BCS solutions at critical point, 22:18320
  Comparison of projected BCS solutions with exact ones for charge-independent ($J = 0, T = 1$) pairing interactions, 22:5908
  Generalized BCS method for neutron—proton pairing correlations, 23:21379 (ZFK-130, pp 182-3)
  Generalized Nogami method for proton—neutron correlations, 21:44752 (ZFK-122, pp 343-8)
  Non-normal parity states in $A = 14$ and 13 nuclei. I, 25:50649
KISSENER, H.-R. Behaviour of the pairing solution in the vicinity of the critical point, 23:21380 (ZFK-130, pp 184-5)
KISS-EROSS, K. Investigation of alkali and ammonium tetraphenylborates by infrared spectrophotometry, 25:31814
KISSICK, W. A. Electron energy loss factor in D region during eclipse, 24:37376
  Experiment to obtain excess electron energy loss factor, 25:5001 (AD-710426)
KISSINGER, C. Liquid metal bearings technology for large, high-temperature, sodium rotating machinery. Fourth topical report. Development and test of a high-temperature proximity probe for use in liquid sodium, 25:44728 (NYO-3930-11)
  Liquid metal bearings technology for large, high-temperature, sodium rotating machinery. Fifth topical report. Development and test of high-temperature film pressure instrumentation for use in liquid sodium, 25:46651 (NYO-3930-12)
  Prog. rpt. on liquid metal bearings technology, 8—10/68, 23:11692 (NYO-3930-3)
  Prog. rpt. on liquid metal bearings technology, 11/68—1/69, 23:21856 (NYO-3930-4)
  Prog. rpt. on liquid metal bearings technology, 2—10/69, 24:14129 (NYO-3930-6)
KISSINGER, H. E. Absence of voids in neutron irradiated sputtered nickel, 25:6886
  Annealing of defects in irradiated Mo, 24:14823
  Characterization and annealing behavior of voids in neutron-irradiated nickel, 25:11469
  Effect of hydrostatic pressure on recovery of unit cell dimensions in irradiated Mo, 22:52211 (BNWL-845)
  Effect of temperature on void formation in irradiated pure and impure metals, 25:47141 (BNWL-SA-3921)
  Irradiation-induced precipitation in Type-316 stainless steel, 23:36160
  Lattice parameter increases in neutron irradiated molybdenum, 23:36146
  Microstructural analysis of neutron-irradiated titanium and rhenium, 25:58302
  Observations on the nucleation and growth of voids in nickel, 25:4811 (BNWL-SA-3300)
  Physical characterization of molybdenum single crystals for irradiation experiments, 21:26862 (BNWL-SA-777)
  Physical characterization of molybdenum single crystals for irradiation experiments, 22:4818
  Pressure induced recovery of irradiation damage in molybdenum, 22:45791 (BNWL-SA-1835)
  Production of voids in nickel with high energy selenium ions, 25:45098
  Production of voids in pure metals by high energy heavy ion bombardment, 25:47142 (BNWL-SA-3966)
  Small-angle x-ray scattering from voids produced in high-purity nickel during neutron irradiation, 23:1017
  Some observations on the annealing of neutron-irradiated single-crystal and polycrystalline molybdenum, 22:49770 (BNWL-SA-1812)
  Specimen preparation for transmission electron microscopy of heavy-ion-bombarded type 316 stainless steel, 25:715
  Superconductivity critical current densities in Ti—V alloys, 22:29445
  Superconductivity in hydrides with A-15 structure, 22:7227
  Unit cell and dimensional changes in irradiated single-crystal rhenium, 22:28850
  Vacancy migration in high-temperature neutron-irradiated molybdenum, 24:47317
  Void formation in neutron irradiated molybdenum and rhenium, 25:49483 (BNWL-SA-3920)
  Void formation in nickel during irradiation, 25:4819
KISSINGER, J. C. Control of bacterial contamination in maple sap stored in field storage tanks by ultraviolet irradiation, 21:16558
KISSLER, K. H. Fast decision-making spark chambers, 22:16908
  Measurements of polarization of protons from deuteron photodisintegration, 23:19143
  Photodisintegration of the deuteron from 100 to 420 MeV, 21:31517
KISSLINGER, L. Witchcraft in the deuteron, 23:8924 (TID-24667, pp 399-416)
KISSLINGER, L. S. Ambiguities in mass extrapolation via partially conserved axial-vector currents and the $K \rightarrow 2\pi$ decays, 21:29501
  Coupled channel calculation of unitary analog states, 24:47475 (CONF-690557-(Vol.2), pp 885-8)
  High—energy backward elastic proton—deuteron scattering and baryon resonances, 23:32771
  Inelastic electron scattering for nuclear structure studies, 23:9009 (TID-24667, pp 150-4)
  l- forbidden magnetic dipole transitions, 22:44764
  Large-angle p—d scattering at 580 MeV, 24:12938
  Magnetic dipole moment of the deuteron and the D*-state components, 23:30737
  Study of self-consistent particle and quasiparticle equations of motion, 25:25817
  Tests of unitary symmetry in nuclei by meson—nucleus reactions, 21:33750
KISSLINGER, Leonard S. Baryon resonances in nuclei, 24:52699
  Dispersion relations for nuclear structure physics, 25:59691 (LA-DC-12958)
  Static quadrupole moment of vibrational even nuclei and the coupling scheme for odd nuclei, 22:5858
  Test of lepton quantum numbers by muon capture, 25:33659
KIST, A. A. Activation analysis of biological objects, 22:17049
  Determination of rare-earth elements in ash of plants and soils by neutron activation, 22:22969
  Some procedures for the simplified interpretation of two-component photopeaks, 24:13792
  Tricomponent activity induced by competing reaction, 25:54498
KIST, R. Electric fields derived from plasma measurements in the polar electrojet, 25:9335
  Electron density profile of auroral layers at Kiruna, 23:46362
KISTEMAKER, J. Characteristics of an anti E x anti B discharge, 21:40033
  Elastic scattering of K$^+$ ions with Ar, 23:44176
  Electron cyclotron instability and high-frequency ionization, 23:23124
  Energy deposition in matter by slow heavy particles, 22:25403
  Evidence for a coherent deceleration of an electron beam during the electron plasma frequency instability, 21:27216
  Experimental study of a slit monoplasmatron ion source, 23:30884
  Fast ion scattering against metal surfaces, 22:5101
  Flux distribution of sputtered potassium atoms, 24:15130
  Instability in a rotating plasma, 21:40046
  Instability near ion plasma frequency in beam—plasma system, 24:40063
  Interaction of heavy particles with metal surfaces, 23:36089
  Ion-beam interaction with a bounded electron plasma, 23:25320 (BMwF-FBK-69-3, pp 19.1-19)
  Ionization and current growth in an E x B discharge, 23:20907
  Low frequency waves in a beam-plasma system, 21:40031
  Non-linear effects in a beam-plasma system, 21:40032
  Physics of energetic particles moving through condensed matter, 25:22588
  Some physical aspects of sputtering, 21:2055
  Total cross sections for threshold excitation and ionization, 24:23737
  X-ray production from metals by 90-keV Ar$^+$-ion bombardment, 22:29215
KISTENEICH, Peter Removal of radioactive contaminants, 24:19313
KISTENEV, E. P. Investigation of reactions $\pi^- + p \rightarrow \pi^+ + \pi^- + m\pi^0 + n$ and $\pi^- + p \rightarrow 2\pi^+ + 2\pi^- + m\pi^0 + n$ at π^--meson momentum 4 GeV/c, 21:31535
  Investigation of the $\pi^- p \rightarrow \pi^+ + \pi^- + m\,\pi^0 + n$ and $\pi^- p \rightarrow 2\,\pi^+ + 2\,\pi^- + m\,\pi^0 + n$ reactions at 4 Gev/c π^--meson momentum, 21:876 (JINR-P-2885)
KISTENEV, Z. P. Structure of scattering amplitudes and inelastic process amplitudes in pre-asymptotic region, 25:59497
KISTIAKOWSKY, G. B. Isotopic exchange between oxygen and carbon monoxide in shock waves, 23:35081
KISTIAKOWSKY, V. Energy dependence of 180° $\pi^- p$ charge-exchange cross section, 23:21056
  Momentum dependence of 180° $\pi^- p$ charge-exchange cross section, 25:36412
KISTIAKOWSKY, Vera Zero-degree production of high-momentum π^+ mesons by π^- mesons incident on nuclei, 22:13666
KISTLER, Roland D. Mass spectrometer for atmospheric composition at satellite altitudes, 23:45586
KISTLER, S. Deuteron photodisintegration and momentum-dependent potentials, 23:34716
  Equation of state for neutron matter, 24:44851
  Method of unitary transformations in the theory of nuclear matter, 22:50690
  Neutron-star models and nuclear forces, 25:49615
KISTNER, G. Critical experiments for repetitively pulsed reactor SORA, 22:35605 (ORNL-4263)
  Critical experiments for repetitively pulsed reactor SORA, 23:11303
  Critical experiments with a mock-up of the repetitively pulsed reactor SORA, 21:5692 (ORNL-P-2641)
  Fast nuclear reactor as a pulsed neutron source, 22:22852
  Fast nuclear reactor as a pulsed neutron source, 22:22853
  Half-width of the neutron pulse of a pulsed reactor, 21:30195
KISTNER, Gustav Improvements relating to pulsed nuclear reactors, 21:30217
KISTNER, O. C. Chemical effect on outer-shell internal conversion in ^{119}Sn, interpretation of the Moessbauer isomer shift in Sn, 21:1101
  Coulomb excitation of ^{99}Ru and ^{101}Ru, 21:19273
  Lifetime measurements on neutron deficient even—even isotopes of Xe and Ba, 25:28319 (CERN-70-30(Vol.2), pp 905-10)
  Moessbauer effect in ^{99}Ru, 21:15544 (BNL-11026)
  Resonant absorption in presence of Faraday rotation, 22:36981
  Symmetry tests with Moessbauer effect, 22:3160 (BNL-11696)
  Symmetry tests with Moessbauer effect, 22:46846
  Test for time-reversal invariance of electromagnetic interaction using Moessbauer effect in ^{99}Ru, 21:44246
KIS'YANTSEVA, L. L. Thermodynamic study of solubility of graft-copolymers of perchlorovinyl with vinylacetate obtained by means of radiation, 22:21116
KISZEL, J. Problem of developmental anomalies, 21:6640
KIT, L. G. Formation of M-form velocity profiles during expansion or restriction of MHD current, 25:45345
  Influence of transverse magnetic field on intensity profiles of turbulent velocity fluctuations in pipes of rectangular cross section, 25:55926
  Studies of general properties of magnetohydrodynamic turbulence in tubes by means of conduction anemometers, 24:35253
KIT, Saul Effect of uv light on the infectivity and enzyme-inducing capacity of papovavirus SV40, 21:16537
  Initial site of synthesis of virus during rescue of simian virus 40 from heterokaryons of simian virus 40-transformed and susceptible cells, 24:32282
  Isolation of defective lysogens from SV 40, 24:927
  Simian Virus 40 rescued from cell lines, 24:8023
  Ultraviolet-irradiated Sendai virus, 23:41510
KITA, Hideji Relativistic version of modified Lee model, 22:41797
  State space in convergent model theory of interacting particles, 24:47389
KITA, I. Operation characteristics of 75 cm hydrogen bubble chamber and the refrigerator. I, 25:29372 (SJC-T-71-1)
  Pneumatic expansion system of the 75 cm hydrogen bubble chamber, 25:44686 (SJC-T-71-2)
KITA, Tomitaro Application of pharmacology to animal group psychology, 25:28874 (ORNL-tr-2447)
KITABATAKE, Akihiro Device for supplying a gas into a highly evacuated chamber, 21:22085
KITABATAKE, T. Mortality and causes of death in x-ray technicians, 22:31242
KITABATAKE, Takashi Case of occupational acute accidental radiation injury, 22:51988
  Cobalt-60 rotatory conformation teletherapy unit, 22:265
  Conformation radiotherapy by linear accelerator x-rays, 21:45692
  Conformation radiotherapy by means of 6-MeV linear accelerator, 22:36310
  Conformation radiotherapy for nasopharyngeal tumor, 25:35194
  Development of telecobalt therapy unit with a new collimation device for conformation radiotherapy. XVI, 21:26473
  Dose-time relationship in the radiotherapy of metastatic lung cancer, 22:45512
  Energy and depth dependency of film dosimetry in electron beam therapy, 22:51265
  Film dosimetry in high energy electron therapy, 23:20018
  Human leukemias following radiotherapy, 24:2754
  Influence of bone tissue upon dose distribution in high-energy electron beam therapy, 23:38572
  Irregularity of isodose distribution in telecobalt conformation radiotherapy, 23:20301
  Medical 6 MeV linear accelerator, 25:28132
  Mortality and causes of death in x-ray technicians, 21:26586
  NEC 6 MeV medical linear accelerator, 21:29696
  Optimum energy in supervoltage x-ray therapy, 23:33793
  Protection of the eye balls in linear accelerator x-ray treatment of the hypophysis, 23:20233
  Relationship between medical irradiation and development of malignant lymphoma: a retrospective survey, 21:22655
  Retrospective survey on medical irradiation and leukemogenesis in Japan, 21:12960

Scattering foil device for high-energy electron-beam therapy, 24:2751
Six MeV medical linear accelerator made in Japan, 22:22512
Some considerations on leukemias developed after therapeutic irradiation, 25:6806
Sources of mechanical errors in ^{60}Co conformation radiotherapy, 21:22631
Statistical study of therapeutic irradiation and leukemogenesis in man, 24:23275
Statistical study on Thorotrast-induced cancer of the liver, 21:14677
Volume dose and integral damage in various radiotherapeutic techniques, 24:12311
KITADA, A. New hexagonal-type oxide of niobium, 23:48566
KITADA, M. Critical current of superconducting Nb(Cb)—Zr—Ti alloys in high magnetic field, 22:49729
Effects of alloying elements and cold work on redistribution of H in Zr, 24:12408
KITADA, Masahiro Applied magnetic field vs critical current density characteristics of superconducting Nb—60 Ti—5 Zr alloy sheets, 25:14209
Characteristics and microstructures for superconducting Nb—40 Zr—10 Ti alloy sheets, 24:23925
Characteristics for superconducting Nb—40 Zr—10 Ti alloy sheets, 24:23924
Discontinuous precipitation of cold-worked Nb—40 Zr—10 Ti superconducting alloy, 24:32449
Discontinuous precipitation of solution-treated Nb—40 Zr—10 Ti superconducting alloy, 24:32446
Effect of oxygen on superconducting characteristics of Nb—40 Zr—10 Ti alloy, 24:23926
Effect of precipitation on critical current density of Nb—40 at. percent Zr—10 at. percent Ti alloy in magnetic field, 23:8189
Effects of V, Mo, or Ta additions on superconducting properties of Nb—40 Zr—10 Ti alloy, 25:14208
Oxidation of Zr thin films and zirconia thin films, 23:50996
Phase diagram of Nb—Zr—Ti ternary system at 570°C, 23:995
Precipitates with unusual microstructure in grains of Nb—40 Zr—10 Ti alloy, 25:29890
Precipitation and superconducting properties of Nb—40 Zr—10 Ti alloy, 24:32450
Precipitation phenomena of Nb—60 Ti—5 Zr superconducting alloy, 24:12753
KITADATE, Kenji Measurement of anisotropic diffusion coefficients in H_2O—Al slab, 25:23359
Measurement of control rod worths in graphite moderated core, 23:26031 (JAERI-1173)
Measurement of neutron slowing down time in hydrogeneous moderators, 23:19116 (JAERI-1168)
KITAEV, E. M. Effects of ^{60}Co particles on morphology of rat lungs, 24:48709
Features specific to the morphology of changes in the lungs depending on the dose distribution, 25:39911 (LA-tr-71-34)
Morphology of changes in lungs depending upon the dose, 24:51071
KITAEV, V. Ya. Boron-containing liquid neutron detector, 25:29337
Liquid boron neutron detector for a time-of-flight spectrometer, 25:42104 (FEI-208)
Scintillation aluminum-phosphate glasses for registering gamma radiation, 23:47744
KITAEVA, O. N. Effect of fractional irradiation on the radiosensitivity of embryonic cells of mice liver, 25:24395
Genetic radiosensitivity of two strains of mice, 22:17039
Persistence of radiation damage to chromosomes of male germ cells in embryo fibroblast cultures, 22:17038
KITAEVSKII, L. Kh. Creation and investigation of high-shear magnetic surfaces on Uragan stellarator, 23:48939
Divertor of the Sirius stellarator, 22:13430 (MATT-Trans-46)
Electrical protection of a closed solenoidal system, 21:17754 (NP-tr-1513)
Electrical protection of closed solenoid, 23:18574 (AD-673660)
Longitudinal magnetic field in Sirius racetrack stellarator, 22:19935 (NP-tr-1619)
KITAGAKI, T. Cascade synchrotrons for energies up to 100 GeV, 21:29709
Elastic antip-p scattering at 6.9 GeV/c, 22:39257
Measurement of anti p beam purity for the 7 GeV/c anti p bubble chamber film by using delta-ray spectrum, 22:36100
Search for rare eta decay modes: C-nonconserving decay $e^+e^-\pi^0$; Dalitz decay $e^+e^-\gamma$, 22:3317
Wide-screen type measuring projector, 24:27409 (SJC-T-69-3)
KITAGAKI, Toshio Photoproduction of charged mesons from nucleus, 24:18071
Photoproduction of charged mesons from atomic nuclei, 24:18069
Photoproduction of π-mesons from nuclei, 24:18066
Photoproduction of two neutral pions from hydrogen near threshold, 25:19890
KITAGAWA, I. Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
KITAGAWA, Katsuhiko Deposition of zirconium carbide by a vapor-phase reaction, 25:40093 (SC-T-713034)
KITAGAWA, Koji Seismological design of BWR plants, 23:13930
KITAGAWA, M. Antibody production in mice. I, 24:2591
KITAGAWA, Michiharu Annealing of electron-irradiated CdS, 23:36791
Annealing of electron-irradiated CdS, 25:17279
Charged scattering centers in electron-irradiated CdS, 24:40175
Cockcroft-Walton electron accelerator for Radiation Center of Osaka Prefecture, 25:17663
Effects of electron irradiation on conductivity in CdS, 25:9563
Electron spin resonance of electron-irradiated ZnS, 24:40176
Luminescence of electron-irradiated CdS, 22:45107
Measurement of thermally stimulated current in neutron-irradiated ZnS crystal, 22:13587
Photoconductivity and thermally stimulated current of ZnS and CdS irradiated with electrons, 22:43196
Photoconductivity measurements of neutron-irradiated ZnS, 22:13588
KITAGAWA, Mitsuo Abnormal stopping power of proton and ion channeling, 25:59129
KITAGAWA, Osamu Effects of x-ray irradiation on selection response in Drosophila melanogaster, 22:10741
Selection response in x-irradiated Drosophila melanogaster, 21:26397
Sex ratio in progeny from irradiated males in Drosophila melanogaster, 22:15102
Sex-ratio in progeny from irradiated male Drosophila, 21:24395
KITAGAWA, Takahisa Spectrophotometric and fluorimetric determination of sulfate using Th-flavonol complex, 24:29206
KITAGAWA, Teizo Cross section for multi-phonon scattering of neutrons by crystalline polyethylene, 22:29837
Inelastic-scattering cross section of neutrons by crystal vibrations of polyethylene, 21:38163
KITAGAWA, Toshio Conformation therapy technique on 6 MeV linear accelerator in treatment of the carcinoma of cervix uteri, 25:8740
Dose-time relationship in the radiotherapy of metastatic lung cancer, 22:45512
Influence of bony tissue upon dose distribution in high energy electron beam therapy, 23:16300
Medical 6 MeV linear accelerator, 25:28132
Modification of dose distribution in high-energy electron beam treatment, 25:46935
Residual lesions following external high energy radiation therapy, 25:58074
Scattering foil device for high energy electron beam therapy, 23:29056
Scattering foil device for high-energy electron-beam therapy, 24:2751
KITAGAWA, Y. Self-excited subharmonic oscillations in plasmas, 24:10585
KITAGAWA, Yoko Log of interior radioactive monitoring. I, 23:15965 (KURRI-TR-1)
KITAGAWA, Yoneyoshi Low-frequency oscillation in a plasma produced by local electron cyclotoron resonance, 24:17987
KITAGAWA, Yuji Problems in the manufacture of large-capacity nuclear turbines, 25:32104
Some problems on manufacturing for large nuclear steam turbines, 25:15822
KITAHARA, Akiharu Measurements of fast neutron spectra in reactor core and thermal column of Rikkyo reactor, 24:38596 (IAERU-7001)
Thermoluminescence of purified LiF powder, 25:11951
KITAHARA, Kazuta Effects of radical scavenger and water on radiolysis reaction velocity of C_{18} unsaturated fatty acids, 23:24235
KITAHARA, S. Theoretical studies on methodlogical procedures of radiation breeding. VII, 23:16272
KITAHARA, Saburo Method of determining free carbon in boron carbide. I, 22:7974 (ORNL-tr-1778)
KITAHARA, Takashi Radiosensitivity of the radiation induced aminopterin resistant yeast cells, 25:57927
KITAHARA, Tanemichi Fuel failure detector experiment in a He gas inpile loop, 25:57193 (JAERI-Memo-4157, pp 66-83)
Measurements of fission gases in an in-pile loop, 23:6308
Proceedings of fuel failure detection symposium, 25:57192 (JAERI-Memo-4157)
Studies of fission product release in TLG-1 In-Pile Gas Loop. II, 25:51163 (JAERI-13671)
Studies of fission product release in TLG-1 In-Pile Gas Loop, 25:51244 (JAERI-13670)
Thermal conductivity of VIPAC UO_2 fuel. II, 25:2813 (JAERI-Memo-4128)
KITAJIMA, K. Neutron irradiation effects on the plastic properties of pure iron, 23:34046
KITAJIMA, Kazunori Low temperature irradiation studies on iron—boron alloys, 25:35588
Neutron irradiation effects on the plastic properties of pure iron, 23:32044
Radiation damage studies using the low temperature irradiation facility. I, 25:21242
Radiation damage studies using the low tmperature irradiation facility. III, 25:22128
KITAJIMA, Masahiko Stability of polyvinyl acetate emulsions produced by radiation-induced polymerization. II, 25:10594 (JAERI-5026, pp 26-34)
KITAJIMA, Tamio Biological protection mechanism of radioprotectors on mammalian cells. V, 21:1781
Biological protection mechanisms of radioprotectors on mammalian cells. VI, 21:398
Biological protection mechaniams of radioprotectors on mammalian cells. IV, 21:1783
KITAKADO, S. Structure of Regge trajectories in Veneziano model, 24:24353
Veneziano's model and nonet scheme for 1^- and 2^+ mesons, 23:13091
KITAKADO, Shinsaku Algebra of currents and operators at t = +- infinity, 21:4015
Axial-vector current in the Veneziano model, 24:3631
Chiral SU(3) x SU(3) and K—N scattering lengths, 23:25678
Dualities in baryon—antibaryon scattering, 24:40383
Duality, absence of exotic resonances, and $\Delta I = 1/2$ rule in nonleptonic decays, 23:42706
High energy total cross sections and 36-plet 2^+-mesons, 22:5626
Mass levels of higher meson resonances, 21:17155
Mass relations for 1^- and 1^+ nonets based on Weinberg's sum rules, 22:46399
Mesons (36-plet-2^+) and high energy scattering, 21:27413
Possible duality constraints on P-wave nonleptonic decays, 25:9744
KITAMI, Toyokichi Liquid hydrogen target utilizing a small mechanical refrigerator, 25:28138
KITAMOTO, Osamu A-bomb human casualties in a building located less than 200 m from the hypocenter, 21:39159 (AEC-tr-6858, pp 11-13)
KITAMURA, Isao Gamma-ray spectroscopy of ^{42}K, 24:40584
Gamma-ray spectroscopy of ^{76}As, 25:28278
KITAMURA, Kanae Effect of radiotherapy on the urinary amino acids, 25:19063
KITAMURA, Masatoshi Close binary star TU Monocerotis, 23:14465
Spectroscopic study of eclipsing system R CMa, 23:18305
KITAMURA, Mitsuaki Shimadzu high intensity 20-MeV medical betatron, 25:41155
KITAMURA, Norihisa Superconducting lens for electron microscopy, 21:3356
KITAMURA, S. Calcium sulfate activated by thulium or dysprosium for thermoluminescence dosimetry, 25:44700
Calcium sulfate phosphor activated by rare earth, 23:7803 (CONF-680920-, pp 4-17)
KITAMURA, Saburo Calcium sulfate activated by lead and manganese, 24:21027
Development of thermal luminescence dosimeter, 25:23866
Thermo-luminescence type radiation dosimeter, 23:9775
Thermoluminescence dosimeter (TLD). I, 23:9770
KITAMURA, Shin-ichi H space—times, 24:28608
N-dual and PN-dual space—times, 23:36997
Some global properties of spherically symmetric space—times, 24:28609
Space—times of Hoffman and Peres, 24:40482
Spherically symmetric space—time KS-type, 23:42739
Spherically symmetric space—times. I, 23:36996
Spherically symmetric space—times. II, 24:6759
KITAMURA, T. Determination of the magnetospheric plasma density by the use of long-period geomagnetic micropulsations, 22:36821
Energy spectrum of a nova-like x-ray source, 25:13849
Investigation of quasi-periodic vlf emissions and their relation to geomagnetic micropulsations, 23:1272
Observation of a new x-ray source, 24:6306
Quasi-periodic vlf emissions, 24:5082
Ray paths of Pc 1 waves in the magnetosphere, 22:43996
KITAMURA, Tai-ichi Electron density in magnetosphere, 23:12668
KITAMURA, Takashi Anomalous interactions of high-energy muons, 21:13693
Energy measurements of muons over 10 TeV, 23:41066
Measurement of muon energy in energy region above 10 TeV, 24:30437
Muons in super-high energy region, 25:25387
KITAMURA, Takeshi Facilities for accelerators for medical use, 25:56607
Report on engineering of buildings for electron linac of Tohoku Univ, 25:53437
KITAMURA, Toyoyuki Order parameter in superconductors containing magnetic impurity, 24:42625
KITAMURO, Tadao Primary hepatoma after injection of Thorotrast, 22:31165
KITANI, K. Axial vector form factor of the nucleon and the quark—parton model, 25:59391
Parton model with Poisson distribution for inelastic lepton—nucleon scattering, 24:45471
Visceral perfusion scintigraphy with ^{131}I-labeled albumin macroaggregates, 23:48141
KITANI, Kenichi Biliary excretion of /sup 99m/Tc albumin microaggregate degradation products, 25:51972 (UCLA-12-831)
Detection of hepatic shunts by use of ^{131}I-macroaggregated albumin, 22:4641
KITANI, Kohei CPT nonconservation and pair-conjugate bosons, 23:10842
Parton model with Poisson's distribution for inelastic neutrino scattering, 25:40945
Possible CPT nonconservation in K^0 decay, 25:3429
KITANI, Susumu Formation and removal of radioactive organic iodide, 24:31086 (ORNL-tr-2333)
Recovery of krypton by adsorption process, 23:7660 (JAERI-1167)
Recovery of useful radioisotopes from reprocessing wastes and their application, 25:44420
Removal of radioiodine vapor by charcoal filters, 22:50872
KITANI, Tsuneo Domestic production of gloves for plutonium handling, 25:23729
KITANIN, A. L. Mass, charge, and wave function renormalization in theory with parity nonconservation, 24:15648
Renormalization of mass and wave function in the lowest order of the perturbation theory in the model of weak interaction with intermediate vector boson, 25:45714
KITANISHI, Yasuhisa Method for producing a polymer of quaternary ammonium compound, 22:8162
KITANO, Akihiko Reactor-control device with control elements wound and unwound, 21:17545
KITANO, Hitoshi Influences of additional elements on properties of high-Zr Cu—Zr alloys, 22:6987
Properties of copper—high zirconium—high chromium alloys, 21:34908
Properties of Cu high-Zr, high-Cr alloys, 22:6990
Properties of high zirconium Cu—Zr—Cr alloys and their isothermal diagram of the Cu corner, 22:19570
Properties of high Zr Cu—Zr alloys, 21:32893
Reversion phenomena in Cu—Zr—Cr alloys, 23:27065

- KITANO, Kyoshiro Performance characteristics of some filters using Thoron daughters, 23:13926
  - Practical method for evaluating the neutron dose equivalent rate, 21:8594
- KITANO, Morihisa Transplantation immunity of methylcholanthrene-induced tumor, 23:33659
- KITANO, Yasushi Coprecipitation of uranium with calcium carbonate, 25:57409
- KITANO, Yukio Effects of ultraviolet light on mammalian pigment cells in vitro, 23:12185
- KITAO, K. Gamma rays from /sup 109m/Pd, 21:25478
- KITAO, Kazuo Effect of magnetic curvature on density gradient drift instabilities, 23:18678
  - Effects of a high-frequency electric field on microinstabilities driven by density gradient, 24:51696
  - Effects of magnetic shear on density gradient drift instabilities, 21:37502 (MPI-PAE/PL-3/67)
  - Effects of magnetic shear on density gradient drift instabilities, 22:17706
  - Shear stabilization of density gradient drift instabilities, 21:18760 (MPI-PAE/PL-1/67)
  - Stabilization of drift cyclotron instabilities by a high-frequency electric field, 24:49638
- KITAO, Kensuke Measurement of captured γ rays, 23:37193 (KURRI-TR-10, pp 66-70)
- KITAOKA, Y. Effects of γ irradiation on phosphorus oxyacids, 23:31383
- KITAOKA, Yoshinori Hot atom chemistry of phenylsulfur compounds, 23:43375
  - Hot atom chemistry of phosphorus compounds. II, 23:256
  - Hot atom chemistry of phosphorus compounds. III, 23:37991
  - Recoil products of inorganic phosphorus oxyacids. I, 25:21074
  - Recoil products of inorganic phosphorus oxyacids. II, 25:21073
- KITAU, M. J. Radioimmunoassay for oxytocin, 24:50663
- KITAYAMA, Shigeru LET effects in Micrococcus radiodurans irradiated with α—particles, 25:24473
  - Macromolecular synthesis in Micrococcus radiodurans during postirradiation incubation, 25:26639
  - Radiation lethality in Micrococcus radiodurans, 25:24475
  - Radioresistance in bacteria, 24:21326
  - Repair of double-strand scissions in M. radiodurans DNA caused by gamma-rays, 23:7963
  - Repair of double-strand scissions in DNA of M. radiodurans after alpha bombardment, 25:24480
- KITAYAMA, Toyoki Self-exchange reaction of deuterium in monodeuteriotoluene catalyzed by nickel and platinum, 22:33340
- KITAZAWA, Hideo Measurement of the counting efficiency of an associated particle time-of-flight spectrometer, 21:41224
  - Reaction (n,α) on ^{13}C induced by 14.1-MeV neutrons, 23:19163
  - Reactions (n,α) on heavy nuclei, 24:43327
- KITAZAWA, Kiyoko Nuclear radiation detectors. Determination of γ-photon energies by a silicon semiconductor counter. III, 22:8351
- KITAZOE, T. Meson-decay processes and the relativistic quark model, 22:50373
- KITAZOE, Tetsuro Dual amplitudes and basic assumptions. I, 25:50126 (NP-18967)
  - eta → 3π decay, 23:46713
  - Extended formulation of quantum electrodynamics, 23:39801
  - Model of multiple meson production at ultrahigh energies, 24:47444
- KITAZUME, Mitsuyuki Analysis of photoneutron flux distribution in water-shielded reactors, 22:16298 (NSJ-tr-93)
  - Build-up factors for gamma-ray penetration through multiple layers of reactor shielding, 22:52841 (ORNL-tr-1906)
  - Buildup factors of gamma-ray penetration for multiple layers in reactor shielding, 22:18602
  - Experiments and calculations for gamma rays streaming through penetration in shielding structure, 25:27829
  - Gamma-ray scattering by structure surfaces, 25:19764
  - Gamma-ray scattering from point sources by infinite plane surfaces, 22:22195
  - Gamma-ray streaming through a straight cylindrical duct, 21:21028
  - Gamma-ray streaming through multibend cylindrical ducts, 23:7028
  - Gamma-rays and fast neutrons streaming about an annular duct, 22:42534
  - Gamma-rays and neutrons streaming about a cylindrical duct by the ray analysis method, 21:16960
  - Simple calculation for air-scattered gamma-rays, 22:52845
  - Surface source method for calculating radiation penetration through secondary shields, 21:17529
- KITAZUME, Shoji Studies on nitrogen-coordinated complexes. Preparations and reactions of hydrido—phosphine complexes of ruthenium and rhodium, 24:29268
- KITAZUME, Yoshiji Determination of base ratios of the early and late messenger RNA bacteriophage T2 under the different conditions, 21:22318
- KITCHELL, A. G. Recovery of Salmonella damaged by heat or gamma radiation, 24:25610
  - Recovery of Salmonella damaged by heat or gamma radiation, 24:27723
- KITCHEN, S. W. Irradiated radium—beryllium neutron source buildup, 24:5811
  - Irradiated radium—beryllium neutron source buildup, 24:8799 (KAPL-P-3849)
- KITCHEN, W. J. Jr. Properties of vanadium dioxide thermal filaments, 25:27906
- KITCHENS, T. A. Determination of zero-point phonon parameters: calibration of the second-order Doppler shift, 24:40196
  - Molecular field calculation, 22:34807 (BNL-12468)
  - Phonon dispersion relation for HCP ^{4}He with molar volume of 21.1 cm^3, 22:39153 (BNL-12596)
  - Strong-coupling superconductors, the Moessbauer effect, and localized impurity modes, 24:23913
- KITCHIN, C. R. Determining sizes of envelopes surrounding Be stars, 25:11557
  - Emission lines in spectra of some Be type stars, 24:46900
- KITCHIN, Robert Michael Radiation analysis of a Comstockiella chromosome system (Homoptera: Coccoidea), 24:48482
- KITCHING, J. Reaction ^{148}Nd(t,p)^{150}Nd, 24:43438
- KITCHING, J. E. Conservation of seniority in neutron shell, 24:52710
  - Decay of ^{89}Rb, 21:11994
  - Decay of 3.2-min ^{89}Kr, 21:27555
  - Level structures of ^{85} ^{87}Sr from (d,p) reactions, 25:14955
  - Levels excited in the reaction ^{58}Ni(p,t)^{56}Ni, 22:48483
  - Reaction (t,p) studies of transitional nuclei ^{150}Nd and ^{152}Nd, 24:30854
  - Reaction ^{154}Sm(p,t)^{152}Sm and shape coexistence in ^{152}Sm, 24:15880
  - Reactions ^{152}Sm(p,t)^{150}Sm and ^{154}Sm(p,t)^{152}Sm, 25:12612
  - The structure of the even nickel isotopes, 24:43288
- KITCHING, P. Magnitude and phase of rho—ω interference in $\pi^+\omega^-$ photoproduction from C, 24:28471
  - Observation of rho—ω interference in photoproduction of electron—positron pairs, 24:28469
  - Photoproduction of electron pairs as a test of quantum electrodynamics, 24:32997
  - REVMOC: program for calculating charged particle transmission through spectrometers and beam lines, 25:53427 (TRI-71-2)
  - Test of quantum electrodynamics by photoproduction of wide-angle electron pairs, 23:51839
- KITCHING, Peter Photoproduction of leptons and mesons, 21:33590
- KITCHINGMAN, W. J. Beta → α phase change in a U—Pt—Nb alloy, 21:26848
  - Relationship between defect structure and superconducting properties in niobium—titanium alloys, 24:19844
  - X-ray diffraction studies of effects of deformation on niobium alloys containing Ti, V, and Zr, 23:6688
- KITCHINGS III, J. T. ^{137}Cs accumulation, dosimetry, and radiation effects in cotton rats, 25:21631 (ORNL-TM-2983, pp 93-105)
  - Blood changes in irradiated cotton rats and rice rats, 24:32186
  - Radioiron as index to hemopoietic damage caused by ionizing radiation, 23:6580
  - Uptake and excretion of ^{134}Cs from fallout simulant, 23:20083 (ORNL-TM-2466, pp 18-39)
  - Uptake and excretion of ^{134}Cs from fallout simulant and vegetation by cotton rats, 23:47926
- KITE, F. D. Launch-pad accident environments, 24:22892
  - Pad-abort thermal flux model for liquid rocket propellants, 21:8517 (SC-RR-66-577)
- KITE, H. T. Carbon composite materials, 24:24990 (Y-SB-10(Rev.1))
- KITE, Joseph H. Thyroiditis in a closed colony of beagles, 23:45794 (ANL-7535, pp 173-4)
- KITE, Joseph H. Jr. Spontaneous thyroditis in obese strain of chickens. V, 24:23376
- KITO, Masafumi Numerical solution of dispersion equation for a bi-Maxwellian plasma, 24:42735
- KITOWSKI, John Victor Theory of viscous compressible flow in a slender channel with crossed electric and magnetic fields, 23:10487
- KITRILAKIS, S. Prog. rpt. on thermionic research, 9/25—12/25/65, 21:648 (N-66-23773)
  - Prog. rpt. on thermionic research, final, 6/65-6/66, 21:18489 (N-67-13216)
- KITRILAKIS, S. S. Implantable, Rankine-cycle radioisotope power source, 24:14195
  - Prog. rpt. on optimum electrode cavities for thermionic energy converters, 8/1/64—7/31/66, 21:14999 (AD-641432)
- KITS, A. I. Use of resistance thermometers in nuclear reactors, 25:41621
- KITS, J. Absolute activity measurement of ^{3}H, 25:57505
  - Absolute measurement of ^{14}C activity by internal proportional counters, 22:14775
- KITSENKO, A. B. Excitation of cyclotron harmonics in a plasma with anisotropic temperature, 23:3493
  - Excitation of ion—cyclotron oscillations of plasma, 24:3439
  - Excitation of longitudinal oscillations in a magnetoactive plasma, 21:16948
  - Excitation of oscillations in surface waves, 23:25356
  - Movement of streams of charged particles through a plasma at an arbitrary angle relative to the internal magnetic field, 21:16947
  - Oscillations of bounded beam—plasma systems in a cylindrical geometry, 23:3496
  - Radiation of a charged particle moving on a helical path through the plane separating two dielectrics, 21:44220
- KITSENKO, Yu. A. Testing pulsed neutron—neutron method in oil and gas fields, 24:9504
- KITSOVSKAYA, I. A. Biological effect of electro-magnetic waves of millimeter range, 23:45915
  - Research data on the standardization of EMF's in short- and ultrashort-wave ranges, 21:36714
- KITSUNEZAKI, Akio Laser-plasma production system from a single solidified gas particle, 24:26214 (LA-tr-70-6)
- KITT, G. P. Separation, purification, mounting, and counting of fission products, 22:12396 (AERE-R-5587)
- KITTEL, C. How good is Born—Oppenheimer approximation, 23:14935
- KITTEL, Howard Reviews of status of technology of fast reactor fuels, 22:16330
- KITTEL, J. H. Irradiation behavior of high-burnup uranium—plutonium alloy prototype fuel elements, 23:11350 (ANL-7388)
  - Irradiation behaviour of plutonium alloy fuels for fast reactors, 21:33009
  - Irradiation performance of fast reactor uranium—plutonium metal fuels, 23:10240
  - Irradiation performance of U—PuC fuels, 22:36509 (CONF-671005-7)
  - Performance of advanced U—Pu—Zr alloy fuel elements under fast-reactor conditions, 21:38487
  - Performance of mixed-carbide fuel rods under fast-reactor conditions, 22:4912
  - Performance of vibratorily compacted mixed-oxide fuel rods under fast-reactor conditions, 21:38476
  - Plutonium and plutonium alloys as nuclear fuel materials, 25:45044
  - Plutonium fuel development for fast reactors in U.S, 21:11191 (CONF-661003-13)
  - Plutonium fuel development for fast reactors, 23:8141
  - Plutonium fuels performance, 23:4236
  - Potential of advanced fuels for a fast test reactor, 21:38698
  - Technology of sodium cooled fast reactor fuel in the US, 22:18511
- KITTEL, W. Lambda production in 10 GeV/c K^-p interactions, 22:32073
  - Low-energy K^--p charge-exchange interaction, 21:2377
  - Many-body cross sections, 25:14594
  - Monte Carlo generation method for high-energy collisions of hadrons, 25:17415
  - Single and double dissociation in π^- p collisions at 11 and 16 GeV/c, 25:45669
  - Three-body final states in meson—nucleon collisions, 23:36840
- KITTELBERGER, J. S. Vibrational spectrum of crystalline HF and DF, 21:27978
- KITTELBERGER, J. Stephen Intermolecular forces, the vibrational spectrum and crystal structure of H fluoride, 21:34283
- KITTERMAN, John Howard Growth of cadmium whiskers in inert atmospheres, 25:29804
- KITTINGER, George W. Extraction of chromatographically isolated fatty acids from liquid scintillation fluid, 22:10188
- KITTL, J. Origin of an anomalous thermal arrest within the β range in U, 22:15216
- KITTL, J. E. Kinetics of the zeta → β' transformation in the AgCd system, 21:43632
  - Study of the γ → β transformation in U—1 at. percent Cr, 23:18240
- KITTL, R. Quantitative determination of rare earths in meteorites by means of high voltage electrophoresis, 25:41776
- KITTLE, Paul A. Kinetic isotope effect in the formation of anthraquinone, 22:25352
- KITTLER, L. Cultivation of bacteria with 8-azaadenine and the influence on the uv-sensitivity, 25:37904
- KITTNER, Manfred Leak testing in nuclear energy installations, 24:50532 (CONF-671061-(Vol.3), pp 907-15)
- KITTREDGE, R. I. Crossed field velocity selector, 22:23375
- KITTRELL, Bill J. Radioisotope scanning for parotid oncocytoma, 25:42572
- KITTS, F. G. Engineering development of sol—gel processes at Oak Ridge National Laboratory, 22:12476 (ORNL-TM-1978)
  - Molten-salt fluoride volatility pilot plant: recovery of enriched uranium from aluminum-clad fuel elements, 25:34693 (ORNL-4574)
  - Mound assistance program: development of a sol-gel process and equipment for production of dense $^{238}PuO_2$ microspheres, 25:29921 (ORNL-4565)
  - Preparation of reactor fuels by sol—gel processes, 21:22904 (ORNL-P-2796)
  - Sol—gel urania—plutonia microsphere preparation, 23:10252
- KITZ, A. Calculation of neutron and x-ray scattering amplitudes for bcc iron, 21:44175
- KITZES, A. S. Departure from nucleate boiling on a finned-surface heater rod, 21:41120
  - DNB measurements for upwards flow of water at 1600 to 2300 psia, 21:43161
  - Facility for the performance evaluation of full-size charcoal filters in removing radioiodine, 21:35617
  - Heat transfer behavior for flow blockage of a fuel rod, 24:33378
  - Heat transfer behavior for flow blockage of a fuel rod, 24:38570 (CONF-700608-10)
  - PWR full length emergency cooling heat transfer (FLECHT) group I test report, 24:50156 (WCAP-7435)
- KITZINGER, D. G. Computerized numerical integration, 21:17557 (SC-RR-66-127)
- KITZINGER, David G. Fission-product activity in the operating aerospace reactor, 21:38640
  - SCIT: computer program for state of stress in earth target, 22:23134 (SC-RR-65-179)
- KITZKE, K. J. Estimating average nuclear fuel costs, 24:13553
  - Estimating average nuclear fuel costs, 25:10216
- KITZMILLER, K. W. Partial inhibition of the laser reaction in man by topical corticosteroids, 22:51842
- KITZMILLER, K. William Laser treatment of tattoos, 23:29836
  - Laser treatment of tattoos: preliminary survey, 22:25989
- KITZMILLER, K. Wm. Laser surgery of angiomas, 23:29664
- KITZULESCU, I. Bone-marrow storage and transplantation, 23:50634
  - Radiation effect on secondary cancerization by tumour cell grafts, 24:34143
- KIUCHI, Masaaki Toshiba medical electron linear accelerator, LMR-13, 23:21206
- KIURU, A. ^{27}Al(p,γ)^{28}Si resonances, 25:59762

  Decay of ^{63}Zn, 24:18386
  Energy determinations of gamma rays and new weak transitions in decay of ^{56}Co, 25:59763
  Gamma rays following the decay of ^{63}Ga, 25:1721
  Nuclear levels and transitions in odd Cu isotopes. I, 25:20314
  Nuclear levels and transitions in odd Cu isotopes. II, 25:59764
  Proton reactions on ^{23}Na, 25:20325
  Reaction ^{27}Al(p,γ)^{28}Si, 23:19239
KIV, A. E. Certain models of radiation defects in nonconducting crystals, 23:42387 (AD-679694)
  Ionization mechanism of the activation of diffusion by radiation, 21:30464
  Radiation-stimulated migration processes in solids, 22:17754
  Subthreshold irradiation effects in silicon epitaxial films, 25:1268
KIV, I. I. Content of free radicals in tissues of rats irradiated with γ-rays and fast neutrons, 24:9760
KIVALO, P. Laumontite: a natural ion exchange mineral with high selectivity for cesium, 21:8401
  Quantitative analysis of rare-earth metals by high-voltage electrophoresis, 24:29201
KIVEL, B. Bremsstrahlung in air, 21:598 (AD-636036)
  Bremsstrahlung in air, 21:11422
  Neutral atom bremsstrahlung, 21:597 (AD-636034)
  Neutral atom bremsstrahlung, 21:11421
KIVEL, Bennett Excited states of negative ions of atomic oxygen, 21:7016
KIVEL, Joseph Application of radioisotopes for surface-area and roughness measurements, 22:16789
  High silica matrix radioactive source and method of preparation, 22:21293
  Microbial control by low-dose irradiation, 21:36763
  Prog. rpt. on microbial inhibition systems employing radiation, 6/10/66, 21:16072 (NYO-3736-2)
  Surface area and roughness measurement applications, 21:6162
KIVELSON, Daniel Cyclotron resonance in gases. I, 21:37134
  Cyclotron resonance in gases. II, 21:37139
KIVELSON, Margaret G. Inward motion of the magnetopause before a substorm, 25:7300
  Motion and structure of the magnetopause, 25:22412
  Motion and structure of the magnetopause, 25:43220 (N-71-20853)
KIVETT, P. Radiation protection interlock system for 8-MeV ICT tandem accelerator, 25:1663 (AD-709682)
KIVI, E. I. Selection for resistance to sprouting in irradiated wheat, 24:41841
KIVIKAS, T. Preparation of Plexiglass light-guides for scintillation counter hodoscope elements, 24:11822
  Vidicon system for the automatic recording of spark chamber events, 21:43255
KIVIKAS, Toeivelemb Computer programme for calculation of solid angles and angular acceptances, 25:9910 (LUSY-7007)
  Introductory elementary particle physics, 24:49356
  Method for construction of strip light-guides, 25:15885 (LUSY-6903)
KIVILIS, V. M. Chain effect in scattering of ions by face of a single crystal, 25:1270
KIVIMAEKI, Kalervo Effect of ^{60}Co irradiation on bone mineral content, 24:12112
KIVINEN, M. Variations in Pc 1 frequency with latitude, 22:11332
KIVINIITTY, K. Integral dose in x-ray diagnosis, 22:38324
  Measuring ureteral radiation doses, 21:10906
  Radiation doses during radiotherapy of gynecological carcinoma, 25:44878
KIVINIITTY, Kalevi Radiation therapy of the parametria in gynecologic tumors, 23:20287
KIVINITTY, K. Diagnosis of hepatic metastases by radioiodine, 23:29638
KIVIOJA, O. Sphincter-saving excision in severe proctosigmoid irradiation injuries, 22:45619
KIVSHIK, A. F. Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
  High intensity electromagnetic waves propagation in plasma waveguides, 22:44138
  Investigation of dispersion properties of plasma waveguides and plasma resonators, 23:34484
  Microwave field distribution in a plasma waveguide, 24:49225
KIVY-ROSENBERG, E. In vitro contractions of rat jejunum following whole-body x irradiation or drugs, 23:43857
  Krebs cycle dehydrogenase systems activity in the gastrointestinal tract of rats after whole-body ionizing irradiation, 24:582 (AD-689095)
KIVY-ROSENBERG, Evelyn Krebs cycle dehydrogenase systems activity in gastrointestinal tract after irradiation, 24:9774
KIWAKI, Hisatomo Measurement of temperature in a high-frequency induction plasma, 25:22486
KIWALLE, Jozef Designing for inertia welding, 23:24788
KIWAMOTO, Y. Observations of nonlinear Landau damping of ion-acoustic waves, 25:56234
KIWAN, A. M. Extraction of U(IV) by di-2-ethylhexyl-phosphoric acid from perchloric acid solutions, 25:51591
  Extraction of uranium from monazite after separation of thorium and rare earths, 23:396
KIWI, M. Effect of resonance scattering and d—d correlations on thermodynamic properties of superconducting alloys, 21:25083
  Thermodynamic and transport properties of superconducting alloys, 22:7249
KIWI, Miguel Resonance scattering and spatial variation of the order parameter in superconducting alloys, 25:25049
KIY, M. Instruments available for safeguarding fuel fabrication plants, 25:21300
KIY, M. R. Wound contamination experience; first aid on working premises, 25:37783 (EUR-4612, pp 573-83)
KIYAMA, Hiroko Simulation of plasma in the ionosphere and the magnetosphere, 24:12701
KIYAMA, Satoru Electrical dc conductivity of a turbulent plasma, 22:15526
  Heating induced conditions and its mechanism of theta pinch plasmas, 25:38386 (CONF-710607-125)
  Ion resonance probe for the measurement of plasma densities, 21:33381
  Observation of the ion resonance by an rf probe, 21:2209
  One hundred-kJ fast theta-pinch device, 24:17980
  Simulation of plasma in the ionosphere and the magnetosphere, 24:12701
  Transformer coupled fast theta-pinch device with variable rise time, 25:30577 (EUR-4593, pp 355-63)
KIYAN, T. S. Emission produced by excited He molecules, 23:27332
  Luminescence spectra of excited particles knocked out of solid targets by fast Ar ions, 25:35841
KIYANOVSKII, M. P. Electromagnetic wave propagation in three-dimensionally inhomogeneous isotropic ionosphere, 25:16979
  Relationship between f_0F2 values at high-latitude stations in the northern hemisphere, 21:5184
KIYANSKII, I. A. Theory, production, and properties of powders and fibers, 25:52354
KIYOKAWA, Kazuhiro Physics studies on BWR void simulated cores. I, 23:45061
KIYOKAWA, T. Experimental results of a small-scale sodium-to-sodium heat exchanger, 24:52903
KIYOKU, Masao Ecology of insect sterilized by gamma radiation. IV, 25:11338
  Ecology of insects sterilized artifically. III, 24:9983
  Effects of the ^{137}Cs on the sterilities of Callosobruchus chinensis L. II, 23:41527
KIYONAGA, Akinori Metastatic dissemination of tumor cells in circulating blood. II, 22:15101
KIYONARI, Hideyasu Studies on the thyroid function test by means of whole body linear scanning, 23:4974 (NSJ-tr-120)
  Thyroid function test by means of whole body linear scanning, 21:45690
KIYONO, Kunihiko Herpes zoster following radiation therapy, 22:23642
KIYONO, Kunihiro Radioprotective effects of reduced glutathione, 23:47922
  Whole body skin eruption combined with radiotherapy, 25:11296
KIYONO, S. Carbon—Al parallel plate dynode electron multiplier, 23:9705
KIYOSAWA, Nobuhito Refining of U, 23:15959
KIYOSE, Ryohei Application of linear programming to refueling optimization for light water moderated power reactors, 25:60104
  Comment on burnup control, 25:46247 (KURRI-TR-75, pp 86-7)
  Conceptual design of the reactant flow loop for fissiochemical studies, 25:57613 (JAERI-Memo-4446)
  Maximizing the average fuel burnup over entire core: a poison management optimization problem for multizone light-water reactor cores, 25:31584
  Model for burnup optimization study of power reactors, 23:4252
  Power reactor types and burnup characteristics, 22:53291
KIYOSHIMA, Nobuyuki Radiometric survey at the Shikoku District in 1959, 22:6443
  Radiometric survey at the southern part of Miyazaki Prefecture, 22:6442
  Radiometric survey on Kanmon formations in Northern Kyushu, 24:44101
  Survey of radioactivities in Kamiukena-Gun, Ehime Prefecture, 22:8231
KIYOSHIMA, T. Automatic analysis of spark-chamber photographs. II, 24:29569 (SJC-T-70-1)
KIYOURA, Tadamitsu Exchange reaction of oxygen atoms between O_2 and CO_2 on metal oxides, 21:1370
KIZAN, G. K. Development of methods for hot synthesis of ^{35}S labeled compounds. II, 22:45111
KIZAWA, Atsushi Determination of nitrogen in uranium nitrides, 23:47376
KIZEL, V. A. Features of the luminescence of crystalline uranyl phosphates and arsenates, 25:49548
  Gyrotropy of cubic crystals of uranyl compounds, 24:27054
  Natural and artificial rotation in cubic crystals of uranyl compounds, 22:18777
  Peculiarities of transfer and dissipation of energy in luminescent materials based on polyphosphoric acids with uranyl and rare earth ions, 23:45250
  Relation of luminescence properties and the gyrotropy of uranyl compounds to their structures, 25:7485
KIZER, D. E. Factors controlling the growth of cermets during thermal cycling, 22:21684 (BMI-1824)
  Material and fabrication specifications for AARR fuel plates, 21:40672 (BMI-X-10200)
  Prog. rpt. on Zy braze alloy development, 4—6/67, 21:36824 (IITRI-578-P-29-14)
  Sintering studies on UN and $(U_{0.8}Pu_{0.2})$N, 23:3116
KIZER, Deral E. Prog. rpt. on Zircaloy braze alloy development, 10—12/66, 21:18228 (IITRI-578-P-29-8)
KIZER, Donald E. Fabrication of fully dense (U,Ta)C alloys by powder-metallurgy techniques, 22:36523 (BMI-1840)
  Preparation and properties of UO_2, UN, and UC cermet fuels, 22:36524 (BMI-1842)
  Preparing spherical U nitride particles, 23:10259
KIZEWSKI, P. Integration of nuclear power plants in Polish electric power system, 25:34261
KIZILOV, V. U. Location meter of the median magnetic surface in installations with constant inhomogeneous fields, 22:36149
  Meter for measuring the transverse component of the magnetic field in a linear accelerator, 23:52061
KIZIMA, Y. Low-frequency electrostatic waves in a magnetic field with collisions, 24:51736
KIZIRIYA, L. V. Polarization of geomagnetic pulsations of Pi2 type, 24:39983
KJAERGAARD, P. Dependence of M/sub v/(K) on metal abundance, 24:23614
  Determination of atmospheric parameters for G and K giants, 25:58481
  Photoelectric photometry of 1160 late-type stars, 24:46841
KJAERHEIM, G. BWR burn-out experiments, 23:9169
  Dimensional behavior of UO_2 fuel rods, 23:37541
  Experimental burn-out and hydraulic instability investigations, 22:12025 (HPR-78)
  In-core instrumentation: an important tool for achieving high specific powers in heavy-water reactors, 22:30268
  In-core measurements of fuel temperatures and interaction between fuel and cladding, 23:4473
  In-core study of fuel/clad interaction and fuel center temperature, 23:26127 (HPR-107)
  In-core study of the mechanical interaction between fuel and cladding, 23:52498
  In-pile determination of UO_2 thermal conductivity, density effects, and gap conductance, 22:22699 (HPR-80)
  Use of process computer at HWBR, 23:40304
KJAER-PEDERSEN, Niels An integrated analytical model for the evaluation of two-phase flow stability, 23:2504
  Cylindrical fuel transfer functions, 24:7343
  Dynamic aspects of boiling-heavy-water nuclear reactors. I, 21:19385 (RISO-128)
  Dynamic aspects of boiling-heavy-water nuclear reactors. II, 21:21646 (RISO-129)
  Evaluation of two-phase flow stability, 23:15716
  General method for frequency domain analysis, 24:7342
KJAR, R. A. Photoemission studies of interface barrier energies of irradiated MOS structures, 24:36676
KJEKSHUS, A. Crystal structure of $Nb_3Sb_2Te_5$, 21:41692
KJELBERG, A. Decay of ^{102}Cd, 24:52620
  Decay of ^{104}Cd, 25:12475
  Decay of ^{72}Zn, 22:29948
  Decay of Cd isotopes, 25:20422
  Decay of short-lived members of the mass-115 chain, 22:18217
  ISOLDE isotope separator on-line facility at CERN, 24:22023 (CERN-70-3)
  ISOLDE target development at CERN, 22:29803
  ISOLDE: nuclear structure studies of short-lived nuclides, 24:5421
  Isomer yield ratio of /sup 115m/Cd and /sup 115g/Cd in charged-particle-induced fission, 23:13271
KJELBERG, Arve Isolde Project at CERN; European Centre for Nuclear Research, 23:3890
  Measurement of total decay energies, 22:29956
KJELLBERG, R. N. Bragg peak pituitary destruction for diabetic retinopathy, 21:26550
  Solar cosmic-ray events: biological data relevant to their effects in man, 22:12925
KJELLBERG, Raymond N. Proton beam hypophysectomy by Kjellberg method, 24:803
  Proton-beam therapy in acromegaly, 22:47620
KJELLIN, K. G. Trace elements in the cerebrospinal fluid, 23:4569
KJELLIN-STRABY, Kerstin Microbial ribonucleic acid. IV, 22:8502
KJELLMAN, Thord Regeneration of lymph vessels in rabbit ear after pre-operative roentgen irradiation, 21:12990
KJELLMER, I. Relation between blood flow in an isolated muscle measured with the ^{133}Xe clearance and a direct recording technique, 22:40799
KJELLMERT, Bo Shell structure in a plasma, 25:52816 (UUIP-724)
KJELLSTROEM, B. Improvement of reactor fuel element heat transfer by surface roughness, 21:30082 (AE-271)
  Shear stress distributions for flow in smooth or partially rough annuli, 21:221 (AE-243)
KJELLSTROEM, Bjoern Calibration experiments with a disa hot-wire anemometer, 23:9268 (AE-338)
  Friction factors in rough rod bundles estimated from experiments in partially rough annuli, 23:11709 (AE-343)
KJELLSTROM, B. Gas mixing in rod bundles, 24:25203
KJEMS, Joergen Thermal neutron spectroscopy using position-sensitive detectors together with fourier correlation time-of-flight and single-crystal techniques, 25:18738 (RISO-229)
  Time of flight spectrometer with Fourier chopper and position sensitive detector, 24:14292 (RISO-M-995)
KJEMTRUP, J. E. Black plant startup, 23:19507
  General Electric boiling water reactor design, 24:24695
KJEMTRUP, Jens E. Reactor cooling system, 23:19502
KJENSLI, Oddvar The nuclide generator, 22:33611
KJOELLERSTROEM, Bengt Local magnetic moments in dilute alloys, 23:49678 (NP-18017)
KLAASSE, A. A. C. Decay of isomers of ^{102}Rh, 25:3671
KLAASSEN, Christiaan Alfons Maria Process for bonding ceramic objects with one another or with metal objects, 21:39672 (UCRL-Trans-10112)
KLABES, R. Analysis of ^{12}C(d,α)^{10}B reaction in energy range 9.2 to 13.9 MeV, 23:5818
  Deuteron induced reactions on carbon, 23:21258 (ZFK-130, pp 41-57)
  Optical model analyses on ^{12}C(d,d) elastic scattering data in the deuteron energy range from 10.6 to 13.9 MeV, 21:44565 (ZFK-122, pp 161-6)
  Reaction (d,α) on ^{13}C, 25:5559
  Reaction (d,t) on ^{13}C, 22:44615
  Reaction ^{12}C(d,α)^{10}B, 21:44572 (ZFK-122, pp 235-41)
  Reaction ^{12}C(d,p)^{13}C in the energy region from 9 to 14 MeV, 21:44571 (ZFK-122, pp 228-34)
KLABUHN, J. Binding energy of the /sub Λ/^{13}C hypernucleus, 23:44592
  Binding energy values of the Λ^{7}Be, Λ^{10}B, and Λ^{11}B hypernuclei, 23:42574

Cascade calculation for interaction of 7.5-GeV π^- mesons with heavy nuclei of nuclear emulsions, 23:39754
Determination of the binding-energy values of light hypernuclei, 22:24526
Lifetime of /sub Λ/^{3}H hypernucleus, 24:49311
Lifetime of the /sub Λ/^{3}H hypernucleus, 24:15465
Lifetime of the Λ-He^{5} hypernucleus, 25:3259
Particle-unstable states of /sub Λ/^{12}C and /sub Λ/^{14}N hypernuclei, 25:7555
Pi^{+} mesonic decays of light hypernuclei, 23:23342
KLABUKOV, A. M. System for measuring spectra and energy dependence in nuclear reactions, 23:41055
KLABUNDE, C. E. Damage production in Cd at low temperatures, 24:49252
Irradiation damage by beta particles, 25:22601
Long-range defect migration in stage-I recovery of copper, 21:37573
Thermal neutron damage in cadmium, 25:32763
KLABUNDE, J. HELAC: helix linear accelerator for heavy ions, 24:49649
KLACH, S. J. Prog. rpt. on protective coatings for Ta alloys, final, 12/66, 21:31085 (N-67-14924)
Prog. rpt. on protective coatings for tantalum alloy, final, 7/66—10/67, 22:40998 (N-68-19623)
KLADNIK, R. Integral and angular characteristics of thermal neutron leakage spectra, 22:29866
Reflection and refraction of neutron diffusion waves, 22:32473
KLADNITSKAYA, E. N. Inelastic π^-p-interactions at 7.5 GeV. Four-prong events with protons, 21:25240
Inelastic π^-p-interactions at 7.5 GeV. Four-prong events with neutrons, 21:33614
Inelastic π^-p-interactions at energy 7.5 GeV. Four-prong events with neutrons, 21:7461 (JINR-P1-2963)
Method of searching for the kink and determining the track parameters of particles scattered in a bubble chamber, 25:18773 (JINR-P1-5540)
KLADNITSKII, V. S. Beam spread compensation in magnetic deflecting systems, 21:29019
Measurement of total and partial cross sections of 5.1 GeV/c π^- meson interaction in propane bubble chamber, 24:24256
Possible existence of the $\pi^-\gamma$ resonance at 270 MeV, 25:50065 (JINR-P1-5874)
Production of Ξ^- hyperons in π^-p interactions at 5.1 GeV/c DTIE; UR, 24:28490
Search for baryon resonances in p γ system, 25:50058 (JINR-P1-5916)
KLAENTSCHI, M. J. Participation availability and control of nuclear power plants, 21:23633
KLAGES, H. O. Polarization and differential cross section of neutrons from reaction ^{9}Be(α,n)^{12}C, 24:1750
Time shaping of beam pulses from the Hamburg isochronous cyclotron by different central diaphragms, 25:43760
KLAGES, W. J. Formation of ^{6}Li/sub g s / and ^{6}Li, 3.56 MeV, T = 1 state, 25:20284
KLAHN, Dale Strain-rate effects, 25:8181 (UCRL-20320)
KLAHN, R. J. Overlap probability of flaws in a laminated dielectric, 21:32078 (AWRE-Trans-53)
KLAHR, Carl N. Fabrication of semiconductor devices employing transmutation doping techniques, 21:36438
Fabrication of silicon microcircuits by neutron transmutation doping, 24:23039 (NYO-3124-3)
Method of flux separation in reactors, 23:11368
Prog. rpt. on fabrication of semiconductor devices by neutron transmutation doping, annual, 6/65—6/66, 21:26151 (NYO-3124-2)
Stochastic Process Method equation for calculating spatial variation of neutron spectra, 23:30599 (AD-674610)
KLAIBER, Bernhard Thirring model, 23:5674
KLAINER, Albert S. Effect of x irradiation on the rat fecal microflora, 22:6927
Studies of intestinal microflora. VII, 22:557
KLAISNER, L. A. Accelerator instrumentation and control system using CAMAC, 25:59664
Central control system of NAL accelerator, 25:50387
NAL booster and storage ring rf systems, 23:28052
NAL CAMAC accelerator control, 25:59655
KLAISNER, Lowell A. Synchronous injection into Zero Gradient Synchrotron, 22:32332 (CEAL-2000, pp A85-7)
KLAJMAN, Stanislaw Effect of Tanderil in acute postirradiation disease, 23:854
Effect of Tanderil on white mice exposed to x rays, 23:853
KLAKL, E. Anion-exchange behaviour of several elements in hydrobromic acid—organic solvent media, 23:40834
Cation-exchange behaviour of several elements in hydrobromic acid—organic solvent media, 23:19855
KLAMANN, H. Laser beams as fiducial lines in bubble chambers, 25:13303
KLAMERTH, O. L. New method for γ-radiation dosimetry, 23:7881
KLAMERUS, L. J. HEPA filter efficiency in submicron particle range, 21:44985 (SC-DC-67-2065)
KLAMERUS, Leo J. Evaluation of samples flown on USAF rocket mission during Leonid shower, 22:3983 (SC-M-67-607)
KLAMI, P. Large dimensional multifocus radiation source, 24:34546
Significance of focus size in irradiation therapy, 23:6551
KLAMRA, W. Decay scheme of ^{125}Xe, 24:13392
Directional correlations of gamma rays in ^{125}I, 25:5764
KLAMUT, C. Behavior of refractory metals and alloys in boiling sodium and other akali metals, 21:4898 (BNL-10723)
KLAMUT, C. J. Corrosion behavior of cobalt, iron, and molybdenum base alloys in high-temperature sodium, 22:33151
Corrosion by Hg and its inhibition in once-through 2^{1}/$_{4}$ Cr—1 Mo steel boilers, 22:4745
Corrosion by the alkali metals, 21:11170 (BNL-10800)
Corrosion of oxygen-contaminated Nb—1Zr and Ta—8W—2Hf alloys by reflux-boiling sodium at 1095°C, 22:33152
Corrosion results of Haynes 25 and 304 stainless steel with 4 and 12 ppm O in Na, 23:12265 (BNL-13062)
Evaluation of Li, Na, K, Rb, and Cs boiling and condensing in Nb—1 percent Zr capsules, 21:14793
High-flux induction heater for sodium corrosion testing, 23:35385
Interaction effects between dissimilar metals in high velocity sodium at temperatures up to 760°C. I, 24:8050 (BNL-14211)
Interaction effects between dissimilar metals in high velocity sodium at temperatures up to 760°C. I. Mass transfer of vanadium onto type 321 stainless steel, 25:2617
KLAN, F. Excited states of He atoms in stationary PIG discharge, 25:30479
Experimental and theoretical investigation of low frequency instability in modified PIG discharge, 23:42336 (IPP-3/92)
Low-frequency instability in modified Penning discharge, 24:28311
Temperature instability in a modified Penning discharge, 24:40115
KLAND-ENGLISH, M. J. Radiolytic oxidation of peptide main-chain in dilute aqueous solution, 24:2214 (UCRL-18983)
KLAND-ENGLISH, Mathilde Radiolytic degradation of the peptide main chain in dilute aqueous solution containing oxygen, 25:15672
KLANJSCEK, G. Radiation doses to gonads of patients from diagnostic radiology in Yugoslavia, 22:38321
KLANK, A. C. Experiments to determine the number of 'free vacancies' in a fission neutron displacement cascade, 25:49482 (ANL-ms-1336)
Liquid helium facility in Argonne CP-5 reactor, 22:20919
KLANK, B. Design and performance of a transport solenoid-Si(Li) detector conversion electron spectrometer for on-line use with accelerators, 23:45535 (COO-535-599)
Design for a high-resolution reaction-product analysing system, 23:8901
Isomeric decay of ^{73}Se, 24:43193
Nuclear level structure in the A = 180 region, 24:43382
On-line prompt and delayed electron and gamma ray spectroscopy at University of Colorado cyclotron laboratory, 23:46862 (COO-535-598)
Radioactive decays of 6.7 min /sup 179m/W and 38 min ^{179}W, 24:6900
KLANK, Benno Ernst Electron-transport solenoid—Si(Li) detector spectrometer, 25:10855
KLANN, John L. Analysis and selection of design conditions for a radioisotope brayton-cycle space powerplant, 23:2517 (N-68-25829)
KLANN, P. G. Description and analysis of critical experiments on double annular UO$_{2}$ fuel elements, 21:31905 (CEND-161)
Neutron spectrum measurements in a compact fast-spectrum critical assembly, 25:41513
KLANN, Paul Comparison of measured and Monte Carlo calculated gamma dose in tungsten water-moderated critical assembly, 22:37534 (N-68-11068)
KLANN, Paul G. Comparison of absolute calculated and measured gamma and neutron doses in tungsten—water-moderated critical assembly, 22:35602 (N-68-10291)
Comparison of measured and Monte Carlo calculated gamma dose in the W water-moderated critical assembly, 22:6120
Gamma and neutron distribution in a tungsten water-moderated critical assembly, 23:9212
Nuclear design and experiments for the compact fast reactor for space power, 25:41579
Preliminary analysis of molybdenum-reflected, fast spectrum critical assembly, 25:6140
KLAPDOR, H. V. Analog states and virtual levels in ^{49}V from the reaction ^{48}Ti(p,γ)^{49}V, 22:41991
Analog states in ^{49}V from the reaction ^{48}Ti(p,γ)^{49}V. II, 23:49367
Gamma transitions and energy levels in ^{49}V from reaction ^{48}Ti(p,γ)^{49}V, 22:20502
Hindrance of M1 transitions from analog to antianalog states in f-p shell nuclei, 25:43850
Lifetime and magnetic moment of neutron hole state in ^{207}Pb, 25:5710
New virtual and analogue states in ^{47}V, 25:59752
p/sub 3/2/ analogue state in ^{51}V, 25:5651
Proton—gamma angular distributions in the reaction ^{19}F(p,$\alpha\gamma$)^{16}O, 24:43128
Source for polarized lithium nuclei, 21:13368
KLAPHAAK, Daniel J. Effect of Mo on arc-cast W, 23:48469
Prog. rpt. on high-strength Mo- and W-base alloys, 3/65—5/66, 21:13125 (NP-16510)
KLAPISCH, R. Half-life of ^{11}Li, ^{27}Na, ^{28}Na, ^{29}Na, ^{30}Na, and ^{31}Na, 24:1766
Half-lives of the new isotopes ^{99}Rb, ^{98}Sr, and ^{145} ^{146}Cs, 25:28388
Isotopic distribution of Na fragments emitted in high-energy nuclear reactions, 22:24864
Isotopic distribution of Rb and Cs produced by 10.5-GeV protons of U, Th, Ta, and identification of new isotopes, 22:24879
Mass separation for nuclear reaction studies, 24:14373
Mass-spectrometric method for study of short-lived Rb, Cs, and Na isotopes, 22:30033
Neutron-deficient nuclides ^{74}Rb and ^{118}Cs, 24:3927
New neutron rich isotopes produced in 3 GeV proton reactions, 24:35862 (PUC-937-369)
New neutron rich isotopes produced in 3 GeV proton reaction, 24:52605
On-line mass spectrometer for the study of very short-period isotopes produced by nuclear reactions, 21:36463
Special experimental techniques used in the study of nuclei far from stability, 25:28290 (CERN-70-30(Vol.1), pp 21-45)
KLAPISCH, Robert Evaporation and break-up models of nuclear de-excitation, 24:13398
KLAPISHEVSKAYA, Z. B. Vapor phase radiation-thermal oxidation of benzene with molecular oxygen under fast electron irradiation, 25:21023
Vapour-phase radiation-initiated thermal oxidation of benzene by molecular oxygen with fast electron irradiation, 25:26284
KLAPOVSKII, V. S. Effect of charge shape on detonation parameters of ammonite PZhV-20, 24:11409 (UCRL-Trans-10419)
KLAPPROTH, Hans J. Interpretation of radioisotope renograms, 22:21561
KLAR, E. Localization of brain tumors with radioactive Neohydrin, 22:45632
Use of process computers in nuclear power plants, 22:53318
KLAR, Erich Locating envelope-tube damage at individual nuclear fuel elements, 23:15740
KLAR, H. Angular-momentum decomposition of nonrelativistic multichannel scattering, 25:47982
Effect of spin—orbit coupling upon elastic collisions between alkali atoms, 23:27368
KLARE, G. Polarization of southern OB stars, 25:22238
KLARE, Gerhard Brightness variations and proper motion of the x-ray source Sco X-1, 22:2752
OB star groups in southern Milky Way, 21:46111
KLARE, K. A. Boson production in p—p collisions at 12.3 GeV/c, 21:9703
Spark chamber spectrometer with automatic vidicon readout, 21:16108 (CONF-660918-, pp 63-67)
KLARFELD, Joseph On quantization of interacting covariant massless fields with prescribed asymptotic null data, 25:14796
KLARMAN, W. L. Influence of DMSO on uv light sensitivity of Aspergillus, 24:17181
KLARMANN, J. Abundances of cosmic-ray particles with Z greater than or equal to 3, 24:23841
Apparently high flux of primary cosmic-ray He-nuclei at 41°N mag, 21:35048
Flux of primary cosmic-ray particles with Z greater than or equal to 3, 22:24081
Trans-iron nuclei in the primary cosmic radiation, 23:41994
KLARR, K. Final position of radioactive fallout, 25:51616 (KFK-1212)
Prog. rpt. on deep storage of radioactive waste, annual, 1968, 24:44228 (KFK-1138)
KLARSFELD, S. Analyticity of the Coulomb-nuclear S-matrix for complex angular momenta, 21:23564
Exact calculation of electron-broadening shift functions, 24:32833
Heat exchange by natural convection in porous media, 25:29264 (EUR-4531, pp 821-39)
Radiative decay of metastable hydrogenic atoms, 24:6351
Retardation effects in second-order radiative transitions between hydrogenic states, 23:34281
Stark-broadening functions for nonhydrogenic ions, 25:11892
KLAS, J. Analysis based on isotopic dilution of radioactive matter, 21:8208
Correction of titration agent consumption with reference to the precipitation solubility in radiometric and similar titrations, 21:45038
Determination of the equivalence points and solubility products in radiometric and similar precipitation titration, 21:5814
Optimum exactness of simple isotope dilution, 25:10471
Systematic errors in radiometric and similar precipitation titrations, 21:5815
KLAS, Jan Analytical method based on isotopic dilution of a radioactive material. II, 21:17
Contribution to analysis based on isotopic dilution of a radioactive material. II, 21:5773
Contribution to the determination of the equivalence point and of the solubility product in radiometric and similar precipitation titrations, 21:5771
KLASCHKA, F. Behavior of acid mucopolysaccharide in sclerosis of skin following betatron irradiation, 23:41268
Studies on contact eczema. IV, 22:45690
KLASCHKA, J. T. Fortran programme for the numerical solution of parabolic partial differential equations, 23:17297 (AERE-R-5629)
Methane diffusion: an examination of commercial advanced gas cooled reactors, 25:57044
KLASON, Carl Radiometric investigations on thermal expansion and transitions in polymers, 22:27562
KLASS, Donald L. Electroviscous fluids. I, 21:11482
Electroviscous fluids. II, 21:11481
KLASS, Philip J. Gamma-ray stationkeeping system flown, 23:2523
KLASSEN, N. V. Ionization of liquid Ar by x rays: anti W value, 25:15669
Optical measurements on solvated electrons in pulse-irradiated liquid propane, 25:57468
KLASSEN, Norman V. Argon-sensitized radiolysis of ethylene in the liquid phase, 21:36045
Argon-sensitized radiolysis of methane and ethane in the liquid phase, 22:21122
KLASSEN, Robert S. Effects of radiation on spleen hemolysin plaque-forming cells, 23:7959
KLASSEN, V. I. Intensification of flotation by prior radioactive irradiation treatment of water, 23:29106
Radiation effects on sludge precipitation, 24:19525
KLASSEN, W. Sterilization of boll weevils with combinations of chemosterilants and x-rays, gamma rays, thermal neutrons, or fast neutrons, 24:4707
KLASSEN, Waldemar Damage to testes and recovery of fertility in boll weevils, 24:4676
KLASSMANN, W. Hydrodynamic description of plasmas in frame of BBGKY—hierarchy, 21:33444

  Use of conditional distribution function in the theory of gas plasma, 21:33445
KLATIL, J. Temperature conditions in the support skirt of a nuclear reactor pressure vessel, 23:49524 (ZJE-46)
  Thermal conductivity of the support skirt of the nuclear reactor pressure vessel, 22:1829
KLATNEK, Norbert Contribution to radiation protection in accident surgery, 21:6525
KLATT, A. Dose determination for ^{60}Co teletherapy by decrement line method, 22:31145
KLATT, H.-H. Reversed isotope dependence for hydrogen diffusion in palladium, 25:41816
KLATT, R. D. Indian Point Plant, Unit 1: γ scan measurements, 23:40169 (DOCKET-50003-2)
KLATTE, Eugene C. Pancreatic radionuclide imaging using electronic subtraction technique, 25:46911
KLATZO, Igor Conference on brain edema, Vienna, 9/65, 23:50924
KLAUA, M. Treatment by DMSO of changes of skin after radiation therapy, 25:52118
KLAUDER, J. R. Green's functions for rotationally symmetric models, 21:9845
  Quantum field theory on lightlike slabs, 24:26495
KLAUDER, John R. Elementary model for quantum gravity, 24:40475
  Exponential Hilbert space: Fock space revisited, 24:20209
  Fundamentals of quantum optics, 22:17843
  Hamiltonian approach to quantum field theory, 24:15650
  Metrics on test function spaces for canonical field operators, 24:30550
  Soluble models of quantum gravitation, 24:43039
  Ultralocal scalar field models, 25:1617
  Weak correspondence principle, 22:20314
KLAUDY, P. A. Overload protection of superconducting electrical power equipment, 22:46080
KLAUDY, Peter A. Cryogenic electrical energy transmission, 25:19636
KLAURENS, C. Measuring circulatory output by ^{85}Kr, 24:17090
KLAUS, E. Comparison of /sup 99m/Tc pertechnetate in /sup 113m/In EDTA with respect to brain scintigraphy, 25:558
  Comparison of scintigraphy and angiography in the diagnosis of intracranial space-occupying lesions, 25:55293
KLAUS, E. E. Activation analysis of high-purity lubricants for trace elements, 21:30361
  Boundary lubrication, 23:21872
KLAUS, E. Erwin Studying the effects of trace elements on high-purity lubricants using activation analysis, 21:5800
KLAUS, H. D. Laser effect on dental hard substances, 21:17975
KLAUS, S. Experimental results suggesting an allosteric nature of the lambda-phage repressor, 25:37914
  Interpretation of uv-induction curves of lysogenic bacteria in terms of the control characteristic of the lambda repressor, 25:37913
KLAUSER, R. Postirradiation avoidance and recovery of preference of saccharin sodium in mice, 24:6123
KLAUSNITZER, E. Measurement of the fracture ductility (K/sub Ic/) of metallic materials by means of combination samples, 25:45070
KLAUSNITZER, K. Fracture toughness measurements on forgings of 22Ni—37Cr—Mo steel, 25:45065
KLAUZEN, N. A. Comparative study of effect of irradiation with γ-rays and accelerated electrons on structure and properties of cis-butadiene rubber, 25:19300
  Infra-red method in studying effects of radiolysis on structural changes in rubber and effects of sulfur on these changes, 22:47160
KLAVINS, Andrew Interpretation error in molecular beam experiments, 25:4942
KLAWITTER, W. A. Magnetic properties of commercial soft magnetic alloys at cryogenic temperatures, 25:56361
KLAYMAN, Daniel L. Potential antiradiation agents. II, 24:32040
KLEB, R. Enthalpy of U diboride, 24:21423
KLEB, Robert Method of making an omega-shaped annulus, 24:41694
KLEBAN, Eloise R. New method of integrating the point kinetics equations, 24:7290
KLEBAN, Peter Inequalities for the energy and free energy of many-body systems, 23:27726
  Spectral-function sum rules for hard-core potentials, 25:50034
KLEBANOFF, J. High temperature indirectly heated cathode structure, 21:34537
KLEBANOV, David Lvovich Radioactive radiation counter tube, 23:31527
  Radioactive radiation counter, 22:30827
KLEBANOV, G. N. Heat distribution in electron beam-melted molybdenum plates, 25:29842
  Test for evaluating the susceptibility of Nb—alloy welds to hot cracking, 23:8194
KLEBANOV, Yu. D. Cherenkov differential gas counter, 21:292
KLEBAU, J. Power increase of Rossendorf Research Reactor WWR-S from 2 to 10 MW, 24:13609
  Ten years RFR—5 years RRR: backward glance at work on Rossendorf Research Reactor, 23:4319 (ZFK-132)
KLEBER, A. Bone marrow histology and clinical aspects of polycythemia vera, 23:50775
KLEBER, Eugene V. New use for rare earths, 25:5 (CONF-700403-(Vol.2), pp 774-87)
KLEBER, Helmut Uranium detection in diethyl ether and fluorimetric spot test for uranium in aqueous solutions, 22:30488
KLEBER, M. Convergence of Marumori's boson expansion for pairing vibrations, 24:15988
  Energy dependence of the effective interaction, 25:7921
  Validity of the random phase approximation for pairing vibrations of closed-shell nuclei, 22:18353
KLEBER, Manfred Description of collective 0^+ states in the Tamm—Dancoff approximation, 24:13414
  Intrinsic deformations of collective 0^+ states, 23:11066
  Josephson effect in nuclear reactions, 25:46112
  Polarization forces in elastic nuclear Coulomb scattering, 25:56573
KLEBER, Rolf Chemical studies on the cause of biological radiation injuries, 22:19286
KLEBER, Sylvain Pulsars, 23:51244
KLEBER, W. Investigations on crystals having the composition $ZrO_2.2MoO_3$, 21:36921
KLEBERGER, K.-E. Jeopardization of eye by radiotherapy, 23:38862
KLEBESADEL, R. W. Vela-4 satellite energetic particle experiment, 23:6284 (LA-DC-9627)
KLECHIKOV, L. Z. Microflora in radiotherapy in patients with cancer of the cervix uteri, 21:28701
KLECHKOVSKAYA, V. V. Electron-diffraction study of tantalum dioxide in thin films, 22:31520
  Electron-diffraction study of the γ phase in the Ta—O system, 23:3073
  Oxidation of thin niobium films at low temperatures, 24:46705
KLECHKOVSKII, V. M. Distribution of atomic electrons and rule of progressive saturation of (n + l) groups, 24:35212
  Effects of nitrogen supply conditions on uptake of ^{90}Sr by plants from soil, 24:25360 (A-AC-82/G/L-1289)
  Quantitative estimation of ^{90}Sr intake by plants from soil and its accumulation in crops, 24:12031 (AEC-tr-7128, pp 143-51)
KLECKA, Jack F. Analysis for Y, 21:21867 (UCRL-17144(Rev.))
  Quantitative analysis of U and Th solutions, 21:15837 (UCRL-17166)
  Quantitative analysis of U and Th solutions, 21:21868 (UCRL-17166(Rev.))
KLECZEK, J. Interplanetary sector structure and solar radio emission, 22:36667
  Last phases of development of active regions, 23:36367
  Optical and radio phenomena of active regions in minimum of solar activity, 23:14526
  Oscillatory phenomena in quiescent prominences, 23:25100
  Prominences in active regions, 23:36398
  Radio emission of spotgroups, 23:36438
  Relation between optical and radio phenomena of the Sun, 22:52464
  Relation of 1420-MHz radio emission to distribution of photospheric magnetic fields, 23:30258
  Splintering-loop prominences, 23:34219
  Type-IV bursts and associated active regions, 21:28946
  Type-IV bursts and associated active regions, 22:28985
KLECZEK, Josip Plasma in the Universe and the laboratory, 23:23062
KLECZKOWSKI, A. Action spectrum for inactivation of infectivity of potato virus X, 23:45977
  Changes in particles of TMV caused by uv radiation, 22:8663
  Dark reactivation of ultraviolet-irradiated tobacco necrosis virus, 22:52056
  Inactivation by uv radiation of RNA from potato virus X, 25:27108
  Inactivation of infectivity of RNA of tobacco mosaic virus during uv irradiation of whole virus, 22:28321
  Photoreactivation in viruses and plants, 21:18188
  Residual infectivity and photoreactivation in plants uv-irradiated potato virus X, 24:31857
  RNA of uv-irradiated tobacco mosaic virus, 24:7739
  Use of short-wavelength reversal of uv light inactivation of nucleic acids, 22:4580
  Uv-irradiated potato virus X, 23:35949
KLEEFELDT, K. Experiments on wear and friction between subassemblies and grid spacers in sodium, 25:29818 (AEC-tr-7224)
  Investigation of wear and friction between fuel rod bundles and spacer grids in sodium, 25:16439 (KFK-1290)
  Studies on wear and frictional behavior between fuel rod bundles and spacer grids in sodium, 25:44087 (EURFNR-854)
KLEEMAN, J. D. Decay constant for spontaneous fission of natural uranium, 25:46084
  Lexan plastic prints, 25:283
  Lexan plastic prints: how are they formed, 25:44341
  Origin of some ultramafic inclusions from Victorian basanites, 24:36431
  Spatial parameters K and α in equations for fission-track uranium analysis, 25:408
  Spatial parameters k and α in equations for fission track uranium analysis, 25:44630
  Uranium distribution in rocks by fission-track registration in Lexan plastic, 21:24120
  Uranium distribution in ultramafic inclusions, 23:33279
KLEES, P. Future nuclear power plants, 24:4000
  Optimization and standardization of principle reactor equipment under water pressure, 22:25010
  Standard models of nuclear plants of 200 MWe and 400 MWe for developing countries, 25:54022 (A/CONF.49/P-285)
KLEESE, R. A. Genotypic differences in ^{85}Sr and ^{45}Ca accumulation in soybeans, 23:29335
  Prog. rpt. on genetic control of physiological processes in higher plants, 1965—67, 21:41390 (COO-1097-24)
KLEFFNER, J. O. Maintenance and repair of contaminated equipment for the EBR-II fuel cycle facility, 21:7931
KLEHR, Edwin H. Radiometric method for sulfate determination, 25:54443
KLEIBEL, F. Double blind test with circulation stabilizing agents in radiogenic hypotension, 24:36835
  Supplemental treatment during radiotherapy and cytostatic treatment, 21:28521
KLEIBEL, Franz Hypotension induced by radiation; its treatment with noradrenaline derivatives, 22:31128
  Treatment of radiation effects with combination of corticoids, antibiotics, and vitamins, 24:755
KLEIBELER, Hans-Juergen Tube materials in nuclear reactor construction, 25:2678
KLEIJER, W. J. Repair of x-ray damage in DNA from patients having xeroderma pigmentosum, 25:2535
KLEIJN, H. R. Determination of water content in porous materials by means of nuclear radiation, 22:40043
  Epithermal-neutron spectrum measurement using a plural foil, 23:2570
  Experiments for determining differential reactor parameters, 22:25108
  Liquid metal fast breeder reactor development in the U. S, 24:13523 (IRI-131-69-1)
  Local pile oscillator as a device for measuring epithermal neutron absorption, 21:40358
  Reactor physics education at the Technological University of Delft, 23:4428
  Theoretical and experimental analysis of fast neutron spectra, 22:35707
  Use of the Higher Education Reactor (HOR), 22:25111
KLEIJN, Hans Robert Determination of microscopic reactor parameters using an exponential assembly, 21:14082 (NP-16426)
KLEIMAN, G. G. Collective excitation spectroscopy in superconductor—semiconductor tunnel junctions, 24:47156
KLEIMAN, Herbert Hyperfine structure, nuclear moments, and isotope shifts of ^{197}Tl and ^{199}Tl, 21:4260
  Isotope shift and hyperfine structure of the neutron-deficient thallium isotopes, 24:22169
KLEIMANN, Henri Thermal diffusivity of solids, 23:24369 (CEA-R-3644)
KLEIMEER, G. Decay scheme of $_{73}{}^{176}Ta_{103}$, 23:49416
KLEIMENOVA, L. N. Changes of calcium metabolism of rats during hypokinesia, 23:20140
KLEIMENOVA, N. G. Comparison of electron fluxes leaked from outer radiation belt and vlf noises, 24:30221
  Observing the ultralow-frequency radiation from two conjugate points, 21:20872
KLEIMENOVA, Natalia Attempt to distinguish between vlf emissions during the day and night by means of the magnetic activity, 23:32259
  Electromagnetic and light emissions during magnetic substorms, 23:46389
  Relation between dawn chorus emission and precipitation of electrons, 24:17776
  Study of two conjugated points of radioelectric emissions of very low frequency (0.8 to 10 kHz), 21:15041
KLEIN, A. Application of the Hartree—Fock variational method to center-of-mass motion, 25:12653
  Effect of Pauli principle on representation of nucleon pair operators by means of bosons, 24:49969
  Electrical conductivity of metals, 21:21922 (AWRE-Trans-52)
  Growth of multipole moments of low-lying nuclear excited states in the random phase approximation, 23:21403
  Methods for calculating ground-state correlations of vibrational nuclei, 24:13425
  New theory of vibrating nuclei, 22:27321
  Phase transition from spherical to deformed nuclei, 24:3982
  Phase transition from spherical to deformed nuclei, 24:43507
  Phenomenological analysis of quasirotational spectra, 25:15153
  Phenomenological descriptions of rotational bands in deformed nuclei, 24:30936
  Self-consistent core-particle coupling calculations for the tin isotopes, 24:43422
  Theoretical foundation of variable moment of inertia models, 25:12638 (NYO-2171-334)
  Theoretical foundation of variable moment of inertia models, 25:23079
  Theory of self-consistent core-particle coupling models and its relation to phenomenological models, 22:42122
  Toward a new theory of spherical nuclei. II, 21:30061
  Toward a new theory of spherical nuclei. I, 21:30062
  Variational method without wave functions in the nuclear many-body problem, 23:44988
  Variational principles for a self-consistent theory of collective motion, 22:42123
KLEIN, A. G. Diffraction of neutrons and x rays by a vibrating quartz crystal, 21:23262
KLEIN, A. H. KUBER: control program for on-line measuring system, 24:19238 (IS-2229)
  On-line control system for bubble chamber film measuring, 24:19237 (IS-2228)
KLEIN, A. Kimi Effects of x irradiation on nucleic acid metabolism of beagle lymphocytes in culture, 23:12007 (UCD-472-115, pp 75-7)
  In vitro x-irradiation effects on cultured marmosa mitis lymphocytes, 25:6675 (UCD-472-117, pp 101-2)
  Influence of biochemical parameters on metabolic responses of cells in culture, 23:12008 (UCD-472-115, pp 78-82)
KLEIN, A. Kimiko Effect of x-irradiation on DNA polymerase and thymidine kinase activities in transformed lymphocytes, 24:29708 (UCD-472-116, pp 93-5)
  Hematologic and cytogenetic changes in Marmosa ingesting ^{90}Sr, 24:29872 (UCD-472-116, pp 119-20)
  Kinetics of DNA polymerase activity in transformed lymphocytes from peripheral blood of beagles, 24:29620 (UCD-472-116, pp 89-92)
KLEIN, Abraham Algebra of currents as a complete dynamical method in the nuclear many-body problem, 24:11056
  Algebraic approach to the theory of nuclear structure, 24:38307 (NYO-2171-308)
  Application of the concept of ideal collective coordinate to a simple microscopic model, 22:42112
  Application of the Marumori boson expansion to the problem of particle-hole excitation in closed-shell nuclei, 25:46107
  Boson expansion methods in an exactly soluble two-level shell model, 23:4073

- Boson expansions for an exactly soluble model of interacting fermions with SU(3) symmetry, 24:28852
- Concept of ideal collective coordinate as the foundation for a phenomenological theory of nuclear collective motion: basic ideas and relation to other phenomenological methods, 22:42111
- Equivalence of recent microscopic theories of collective motion, 24:43559
- Ground state correlations as variational parameters in the nuclear many-body problem, 25:15147 (NYO-2171-333)
- Ground state correlations as variational parameters in the nuclear many-body problem, 25:36840
- Phenomenological model for the simultaneous analysis of several rotational bands, 25:17885
- Relation between time-dependent Hartree—Fock method and boson expansion methods in two-level model, 23:4072
- Self-consistent theory of nuclear spectra, 22:44802
- Self-consistent theory of nuclear spectra: the pairing plus quadrupole interaction model applied to the tin isotopes, 25:23064 (NYO-2171-335)
- Self-consistent theory of nuclear spectra: the pairing-plus-quadrupole interation model applied to the tin isotopes, 25:43925
- Theory of collective motion in nuclei, 24:16006
- Toward a self-consistent theory of the nuclear collective Hamiltonian, 21:15621
- KLEIN, Ann Index to nuclear safety, 23:23943 (ORNL-NSIC-60)
  - Index to Nuclear Safety, 24:26793 (ORNL-NSIC-73)
  - Index to nuclear safety, 25:44141 (ORNL-NSIC-86)
- KLEIN, Ann S. Cumulative index to the Analytical Chemistry Division annual progress reports, 1964—1968, 23:13614 (ORNL-3904(Rev.3))
  - Cumulative indexes to analytical chemistry division annual progress reports, 1964—1967, 22:27545 (ORNL-3904(Rev.2))
  - Indexes to 563 unclassified documents on civil defense, 22:21498 (ORNL-CD-4)
  - Indexes to 708 unclassified documents on civil defense, 23:20219 (ORNL-CD-6)
  - Indexes to 708 unclassified documents on civil defense, 24:34356 (ORNL-CD-8)
  - Indexes to 780 unclassified documents on civil defense, 22:10529 (ORNL-CD-2)
  - Journal control system at Oak Ridge National Laboratory, 23:13605 (ORNL-4314)
  - Oak Ridge National Lab. KWIC index, 24:29129 (ORNL-4536)
  - ORNL master analytical manual, indexes, 1953—66, 21:12288 (TID-7015(Indexes)(Rev.4))
  - Permuted Isotopes and Radiation Technology indexes, 1962—1969, 25:23740 (ORNL-IIC-31(Vols.1-7))
  - Publications, reports, and papers for 1967 from ORNL, 22:27520 (ORNL-3300(Vol.7))
  - Publications, reports, and papers for 1968 from ORNL, 23:43242 (ORNL-3300(Vol.8))
  - Publications, reports, and papers, 1966, 21:38829 (ORNL-3300(Vol.6))
- KLEIN, Barry M. Theory of soft optic modes and phase transitions in β-W structure transition-metal alloys, 24:51838
- KLEIN, C. Polarization of 15-MeV neutrons by scattering on light nuclei, 25:53638
- KLEIN, Claude A. Bandgap dependence and related features of radiation ionization energies in semiconductors, 22:20060
  - Semiconductor particle detectors, 22:40385
- KLEIN, D. Comparison of thermal neutron activation measurements and Monte Carlo calculations in light-water-moderated uranium cells, 24:24886 (WAPD-TM-932)
  - Measurement of fast advantage factors and intra-cell flux shapes in several light-water-moderated, slightly enriched U lattices, 21:23729 (WAPD-T-1852)
  - Physics parameters in H_2O-moderated lattices of slightly enriched and natural U, 24:22501
  - Physics parameters in several water-moderated lattices of slightly enriched and natural uranium, 24:38607 (WAPD-TM-931)
  - Relative ^{232}Th—^{233}U fission rates, 25:41240
  - Spatial variation of the fast neutron flux in cells of slightly ^{235}U-enriched-U water-moderated lattices, 21:14097
  - Thermal-neutron-activation measurements and Monte Carlo calculations in light-water-moderated U cells, 24:22500
- KLEIN, D. C. Relation of endogenous thyrocalcitonin secretion to plasma calcium levels, 22:6716 (ORO-284-10)
- KLEIN, D. J. Interaction of two metastable triplet helium atoms, 23:36491
  - Parametric study of flash thermal diffusivity measurements, 21:5841 (LA-DC-8300)
  - Spin-free quantum chemistry. IX, 25:43163
  - Spin-free quantum chemistry. X, 25:43164
  - Thermal diffusivity of pyrolytic from 25 to 1900 deg C, 21:6898 (LA-DC-8307)
- KLEIN, David Density scale heights at sunspot maximum and minimum from satellite data, 22:29340
- KLEIN, David M. Conference on brain tumor scanning with radioisotopes, Buffalo, 5/68, 24:29789
- KLEIN, Donald F. Psychiatric diagnosis, activation, and radioactive I uptake, 22:47450
- KLEIN, E. Biological effects of high peak power radiation, 21:18148
  - Biophysical studies with the CO_2 laser, 21:34799
  - Criteria for fractionated radioiodine therapy of hyperthyroidism, 23:31877
  - Effects of laser radiation on the skin of the Syrian hamster, 21:12998
  - Interaction of laser radiation with biologic systems. III, 22:4570
  - Interaction of laser radiation with biologic systems. II, 22:4676
  - Laser irradiation of biological systems, 21:18145
  - Laser radiation in the Syrian hamster, 21:12931
  - New precision measurement of ratio of free electron cyclotron frequency to NMR frequency of protons, 22:32016
  - Pathology of internal viscera following laser irradiation, 23:50876
  - Presence of free radicals in laser-irradiated biological specimens by electron-spin resonance, 21:17966
  - Pulsed laser irradiation of the forehead in mice, 21:26575
  - Ratio of proton NMR frequency to cyclotron frequency of free electrons in same magnetic field, 22:5428
  - Successes and failures of fractionated radioiodine therapy among 700 hyperthyroid patients, 25:11230
  - Use of thermocouples for temperature measurement during laser irradiation, 21:16252
- KLEIN, Edmund Burn injury after carbon dioxide laser irradiation, 25:4704
  - Closed circuit television in laser investigations, 21:18054
  - Effects of laser irradiation on some serologic properties of human gamma globulin, 22:51331
  - Focal hepatic injury and repair produced by laser radiation, 22:23630
  - Hazards of laser radiation, 21:20201
  - Hepatic injury and repair by laser radiation, 22:31232
  - In vivo effects of laser radiation on the skin of the Syrian hamster, 21:11020
  - Injurious effects of laser radiation on mammals, 22:38421 (CONF-660573-, pp 35-48)
  - Laser irradiation of the skin, 21:8961
  - Laser-induced ear damage, 22:10838
  - Ocular effects of high-power continuous CO_2 laser irradiation, 22:15106
  - Prog. rpt. on biological effects of laser radiation, annual, 10/68—9/69, 24:48710 (AD-704363)
  - Tumors of skin. XII, 25:58037
- KLEIN, Elias Sample preparation for neutron activation analysis, 25:2146
- KLEIN, F. ARNULF: PDP-10 program for rapid acquisition of complete film information by a PEPR-device, 25:13242 (CERN-70-21(Vol.1), pp 113-24)
  - BERTA: a FORTRAN program for automatic recognition and reconstruction of bubble chamber events. II, 25:13244 (CERN-70-21(Vol.1), pp 141-75)
  - BERTA: a FORTRAN program for automatic recognition and reconstruction of bubble chamber events. I, 25:13243 (CERN-70-21(Vol.1), pp 125-39)
  - CARL: a FORTRAN program for PEPR calibration using Chebyshev polynomials, 25:13245 (CERN-70-21(Vol.1), pp 177-86)
  - Heidelberg automatic event recognition, 25:13241 (CERN-70-21(Vol.1), pp 105-11)
  - Heidelberg automatic recognition of bubble chamber events, 25:6563 (MIT-2098-660, pp 37-75)
  - Present status of the Heidelberg-PEPR-Hardware and production system, 25:13246 (CERN-70-21(Vol.1), pp 187-96)
- KLEIN, F. S. Vapor pressure isotope effects in methanol, 25:39485
- KLEIN, Fritz S. Enrichment of deuterium, 23:45375
  - Isotopic exchange reactions of atomic O produced by the photolysis of NO_2 at 3660 A, 21:8194
- KLEIN, G. A. Radiation effects and radiative grafting polymerization in fibers, 22:40128
  - Surface structure of negative crystals (pores) in molybdenum, 22:31406
- KLEIN, G. W. Hg($^1P_1$) photosensitized decomposition of cyclopropane, 24:26871 (RRL-2310-291)
  - Hg($^1P_1$)-photosensitized decomposition of cyclobutane, 22:27642
- KLEIN, George Increase in antibody titer against the EBV-associated membrane antigen complex in Burkitt's lymphoma and nasopharyngeal carcinoma after local irradiation, 25:13391
  - Serological analysis of isoantigenic variants from mouse tumors, 21:22682
- KLEIN, Georges Process for crossing boundary layers in a magnetohydrodynamic generator and a generator using the process, 25:30337
  - Thermoelectric machines, 25:47361
- KLEIN, Gerhart P. High resolution print-out of the electronic conductivity distribution of anodic tantalum oxide, 25:12014
- KLEIN, H. Elastic electron—deuteron scattering and electric neutron form factor at four momentum transfers: $5\ \text{Fermi}^{-2} < q^2 < 14\ \text{Fermi}^{-2}$, 25:27980 (DESY-71/7)
  - Elastic electron—deuteron scattering and the electric neutron form factor, 25:50047
  - Excitation of $\Delta(1236)$ resonance on bound state neutrons, 25:56405 (DESY-71/33)
  - HELAC: helix linear accelerator for heavy ions, 24:49649
  - Mode of action and construction of proton spiral linear accelerators with variable final energy, 21:25377
  - On-line use of CDC 1700 computer in experiment in high-energy physics, 24:9711 (KFK-963)
  - Performance of wire spark chambers with large area and two coordinate read-out, 21:8604
  - Phase relations in Nb—Zr alloys, 22:49769
  - Quasielastic electron—deuteron scattering for four pulse transfers in range $0.2\ (\text{GeV}/c)^2 < q^2 < 0.85(\text{GeV}/c)^2$, 25:27951 (NP-18725)
  - Tables of Q values for three-particle reactions on nuclei ^{3}H to ^{48}Ca, 22:24888 (BMwF-FBK-67-91)
  - Wind-tunnel measurements of reactor components to determine flow loads and flow distribution, 25:12706
  - Wire spark chambers with ferrite core storage, 24:9692
- KLEIN, H. D. Male sterility in Pisum, 25:29492
- KLEIN, H. F. Limits for radioactive surface contamination, 23:26819
- KLEIN, H. J. Essential trace elements in livers measured by neutron activation analysis, 25:31867
- KLEIN, Hans Magnetic coil cooled by a liquid for a particle accelerator, 25:14857
- KLEIN, Hans-Dieter Desynapsis and chromosome breaks in a mutant of Pisum sativum, 24:2630
- KLEIN, Harvey Sheldon Studies of secondary deuterium isotope effects, 22:14504
- KLEIN, Herbert F. Evaluation of emissions from radium dial watches, 24:34349
- KLEIN, Howard P. Selenium dioxide oxidations. III, 22:37766
- KLEIN, I. Pile up rejection by comparison of the shaped pulse with its second derivative, 25:48929
- KLEIN, J. Effects of γ-rays on the characteristics of organic scintillators, 21:28334
  - "Electric fields" in superconductors, 22:19904
  - Experimental evidence for superconductivity enhancement mechanism, 23:27531
  - Multigap effect on phonon structure in tunneling experiments, 25:30426
- KLEIN, J. C. Absence of malignant transformation after weekly irradiation of a mouse spleen cell culture, 21:4860
- KLEIN, J. F. Electric arc stabilization in crossed convective and magnetic fields, 24:15188
- KLEIN, J. J. Motion of a charged particle in a uniform magnetic field, 22:44373
- KLEIN, J. Raymond Effects of x irradiation on hemoglobin polymorphism in the adult Pekin duck, 25:32580
  - Heme and globin synthesis and related parameters in blood from the x-irradiated duck, 23:16411
- KLEIN, J. W. Fast time marking discriminator circuit, 23:40989 (EUR-4289, pp 137-9)
  - Pulse-shape discrimination with surface barrier detectors, 24:36568
  - Theoretical explanation of a new triggering method, 24:4437
  - Timing of Ge(Li)-detector pulses, 25:10830
- KLEIN, Jacques Device for polishing specimens, 22:12518
- KLEIN, James J. Eigenfunctions of the hydrogen atom in momentum space, 21:5081
- KLEIN, James Robert Second quantized nonrelativistic time-dependent scattering theory, and a generalization of the in—out formalism to include Coulomb potentials, 25:5431
- KLEIN, Jan Congenic mouse strains with different immunoglobulin allotypes. I, 22:40531
- KLEIN, John F. Investigations to simulate thermal environment, transparent walls, and propellant heating in nuclear light bulb engine, 24:16260 (N-70-12229)
  - Simulation of radiant heating of propellant in nuclear light bulb engine, 25:23369 (N-71-10405)
- KLEIN, Joosje C. In-vitro system for radiocarcinogenesis, 24:34568
- KLEIN, Klaus Determination of the concentration of vapours in a carrier gas, 23:45600
- KLEIN, L. T. Elk River Reactor failed fuel element detection, 23:47136 (NUS-TM-S-33)
- KLEIN, Lewis Green's function theory of atomic line broadening in plasmas, 23:14761
- KLEIN, Lewis S. Equilibrium theory of a partially ionized plasma, 23:8611
  - Statistical mechanics of a partially ionized plasma, 22:46178
- KLEIN, Lothar Arc source for spectroscopic measurements of isothermal plasma, 24:26237
  - Spectroscopic studies of Ar and N plasmas at reduced pressure, 21:11603 (ARL-65-92)
- KLEIN, M. Mass spectrometric analysis of rhenium and technetium halides, 21:25826
- KLEIN, M. J. Creep of a dispersion strengthened Nb-base alloy, 24:19435
- KLEIN, M. L. Vapor-pressure ratio of isotopes of solid Ne and Ar, 24:27067
- KLEIN, M. M. Spatial diffusion of small particles in an exponential atmosphere, 22:17480
- KLEIN, M. P. Chemical effects on core-electron binding energies in iodine and europium, 22:43871
  - Computer based laboratory-wide data acquisition, analysis, and retrieval system, 25:8193 (UCRL-20132)
  - Direct observation of isotopic exchange in the solid state, 24:9296
  - Moessbauer studies of after-effects of Auger ionization, 24:20842
- KLEIN, Mark J. Creep of a dispersion strengthened columbium-base alloy, 23:33964
  - Structural and mechanical effects of interstitial sinks, 21:24748 (N-67-11737)
  - Study of nitrogen in a chromium—yttrium alloy, 21:13169
- KLEIN, Melvin P. Applications of ESR, Moessbauer, electronic, and optical rotatory spectra to problems in biology, 21:3375 (UCRL-16806, pp 6-8)
  - Estimation of protein quantity and quality by x-ray photoelectron spectroscopy, 24:46159 (UCRL-19899)
- KLEIN, Michael J. Microwave spectrum of Mercury, 24:23729
- KLEIN, Milton Nuclear energy in space, 23:4396
  - Nuclear systems for space power and propulsion, 25:39322 (A/CONF.49/P-56)
- KLEIN, Milton M. Scattering of hf radio waves by spherical electron cloud, 24:5184 (AD-691428)
- KLEIN, Nathan Computer program for kinetic treatment of radiation chemical data, 21:32190 (AD-654502)
  - Effect of structure on radiation chemical reactivity, 25:15659 (AD-713551)
  - Gated photomultiplier technique for use in pulse radiolysis, 25:4398
  - Influence of solution structure on hydrated electron reactions, 25:51506 (AD-721299)
  - Measurement of x-ray pulses by chemical means, 23:26505 (AD-678581)
  - Observation of short-lived species produced by x-ray pulses, 21:92 (AD-634693)
  - Pulse radiolysis of aqueous solutions, 22:33371 (AD-662736)
  - Pulse radiolysis studies, 23:6170
  - Pulse radiolysis techniques, 25:48540 (AD-717243)
  - Radiation measurement by chemical methods, 25:21448

- Reactions of the hydrated electron in alkaline solution, 22:18815
- KLEIN, Norman W. Prog. rpt. on proteins in growth regulation during early development of the chick embryo, 5/70—5/71, 25:37210 (NYO-4030-10)
  - Proteins in growth regulation during early development of the chick embryo, 25:37209 (NYO-4030-9)
- KLEIN, O. Antisymmetric field quantization and functional integration, 22:9683
  - Development of quantum field theory as an extension of equivalence principle, 25:1621
  - Foundations of general relativity theory and the cosmological problem, 23:41893
- KLEIN, Oskar Arguments concerning relativity and cosmology, 25:13950
- KLEIN, P. Background subtraction and compensation of changes in counting rate, 23:20012
  - Gamma-p total hadronic cross sections at 7.5 GeV, 23:5518
  - Partial photoproduction cross sections up to 12 GeV, 23:5517
- KLEIN, P. R. Contribution of vector meson exchange to rho$^-$ production at 4.2 GeV/c, 21:29455
  - Design for a nonintercepting photon-beam monitor, 24:5374
  - Determination of the S-wave π π phase shifts in rho region from 4.16 -GeV/c π^-p interactions, 22:5578
  - Interactions (π^-p) at 2.7 Bev/c (four-prong events), 21:882
  - Particle yields at the Stanford two-mile electron accelerator, 21:17230
  - Two-prong π^- interactions at 4.16 GeV/c, 22:11590
- KLEIN, Paul R. Particle yields at Stanford Linear Accelerator Center and photon—nucleus interaction in 5 to 18-GeV region, 22:20113
  - Polarized photon beam for the SLAC 82-inch hydrogen bubble chamber, 23:28201
- KLEIN, Peter D. Fine structure of isotopically labeled amino acids determined by ion exchange chromatography, 21:38936
  - Isotope fractionation phenomena in analytical separations, 22:16487
  - Production of fully deuterated amino acids, 23:45607 (ANL-7535, pp 281-3)
- KLEIN, R. Magnetic field dependence of the high-frequency surface resistance of superconductors, 22:1104
  - Some results of pair formation in superconductors, 23:20839
  - Sound absorption in liquid He below 0.6 K, 24:6497
  - Suppression of surface superconductivity by coating with normal metal, 21:2150
- KLEIN, R. H. Muon capture in ^{16}O and ^{40}Ca, 21:30073
- KLEIN, Ralph Deposition of hydrogen beams on tungsten, 22:43583
  - Field emission study of carbon monoxide on hcp metals rhenium and ruthenium, 25:16450
  - Isotope effects in the hydrogen-atom addition to olefins at low temperatures, 25:10538
  - Mechanism of O(^{3}P) addition to condensed films. II, 22:16557
  - Second layer migration with trapping on first layer sites: hydrogen, nitrogen, and carbon monoxide on tungsten, 22:46289
- KLEIN, Richard M. Effect of ultraviolet radiation on auxin-controlled abscission, 21:43330
  - Effects of non-ionizing radiation on expansion of disks from leaves of dark-grown bean plants, 21:22794
  - Interference by near ultraviolet and green light with mitosis in the onion root tip meristem, 22:10707
  - Interference by near ultraviolet and green light with growth of animal and plant cell cultures, 22:15069
  - Prog. rpt. on mechanism of action of x-irradiation on plants, 5/60-8/66, 21:1837 (NYO-2587-21)
- KLEIN, Robert S. Reactions of cytosine derivatives with acidic buffer solutions. II, 22:2050
- KLEIN, Roger Anodic oxidation of curium, 23:17417
- KLEIN, Rudolf Microwave study of proximity effects in superconductivity, 22:34558
- KLEIN, Russell C. Disposal of radioactive xenon waste, 25:21381
- KLEIN, S. Effect of gamma irradiation on the rehydration capacity of freeze-dried meat, 25:27144
  - Four-body strange-particle production in pp collisions at 6 GeV/c, 24:40256
  - Investigation of 1.4 GeV/c^2 nucleon isobar in proton—proton interactions, 23:7083
  - Observation of Y^{*+}(1385)K$^+$ and N^{*++}(1236)rho^0 decays of a nucleon resonance, 22:44327
  - Study of disinfestation of bananas by gamma irradiation, 25:32635
- KLEIN, S. A. Feynman-like diagrams compatible with duality. II, 24:37976
  - General fermion Reggeization without parity doubling, 24:37885
  - Spin and internal symmetry in dual Feynman theory, 24:18241
- KLEIN, S. J. Effects of irradiation of rat cerebellum, 24:23342 (CONF-690501-, pp 739-54)
- KLEIN, S. L. Production of K mesons in three-body states in proton—proton interactions at 6 GeV/c, 22:15675
- KLEIN, S. S. Detection of low-intensity alpha decay branches with semiconductor detectors, 23:21954
  - Direct digitalization of the quotient of two pulse heights, 23:40991 (EUR-4289, pp 217-20)
  - Electronic circuits used in a semiconductor detector alpha spectrometer for coincidence measurements, 21:43251
  - Energy dependence of the α_1—γ angular correlation in the reaction ^{12}C(α,$\alpha_1\gamma$)^{12}C, 23:5821
  - High-stability discriminator using a common diode as discriminating element, 22:14883
  - Position-sensitive detectors for the simultaneous determination of several parameters of a particle, 25:8475 (JUL-CONF-4, pp 59-70)
- KLEIN, Siebren Sake Angular correlations in decay of ^{212}Bi to ^{208}Tl, 21:33965 (NP-16835)
- KLEIN, Siegfried (DD) reactions on a gaseous target of D$_2$O vapor used as neutron sources, 24:20300
  - Calculation of the floating potential in a plasma containing negative ions, 21:9582
  - Electric conductivity of UO$_2$ under effect of neutron flux, 23:14421
  - Electronic control of fritted UO$_2$ tablets before and after irradiations with neutrons, 21:42175
  - Energy conversion process starting with ionized vapor from fission products, 22:19826
  - Flame ionization and magnetohydrodynamics, 21:11483
  - Improvements in thermoelectric generators, 23:16695
  - Static converters of thermal energy, in particular of nuclear origin, into electric energy, 21:3735
- KLEIN, Stanley Nonforward superconvergence relations, 21:29529
- KLEIN, Stanley A. General form of Regge trajectory and residue functions, 23:37014
- KLEIN, Stanley Lewis Four-body strange particle production in pp collisions at 6 GeV/c, 23:10746 (UCRL-18306)
  - Four-body strange-particle production in proton—proton collisions at 6 GeV/c, 24:10666
- KLEIN, U. Comparative radiocardiographic studies of cardiac and circulatory parameters under conditions of basal metabolism and hyperthermia, 25:16249
- KLEIN, W. Investigations on the fate of certain pesticides under biotic and abiotic conditions using tracer techniques, 25:51958 (A/CONF.49/P-404)
- KLEINBAUER, K. Apparatus for measurements of ^{131}I uptake in thyroid, 22:38346
  - Assay of /sup 99m/Tc, 23:45359
  - Multichannel focused collimators for scintillation scanning, 23:33430
- KLEINBAUER, Karel Assay of /sup 113m/In in medical applications, 24:48560
  - Radiation exposure of the hands from radionuclides in medicine, 25:49197
- KLEINBERG, Jacob Collected radiochemical procedures (radiochemistry group J-11), 21:45010 (LA-1721(3rd. Ed.))
- KLEINBERG, R. Prog. rpt. on neutron diffraction program, 4/67, 21:25820 (PRNC-94)
  - Prog. rpt. on neutron diffraction program, annual, 4/70, 24:22551 (PRNC-137)
  - Prog. rpt. on neutron diffraction, 4/68, 22:50223 (PRNC-115)
- KLEINBERG, Robert Crystal structure of CoBr$_2$.6H$_2$O at room temperature by neutron diffraction, 25:31722 (PRNC-146)
  - Incoherent neutron scattering and nuclear magnetic resonance, 24:20002
- KLEINBERGS, S. Effects of whole-body x-irradiation on mouse liver alpha-hydroxy acid oxidase, 24:5996
- KLEINBERGS, Skaidrite Effects of whole-body x irradiation on enzymes in mouse liver peroxisomes, 24:9780
- KLEINBOCK, T. S. Acquired radioresistance of tumour cells, 22:6741
- KLEINBOK, T. S. Changes of chromosome numbers in Ehrlich ascites tumor cells induced by x-rays, 22:33790
  - Role of chromosome changes in the formation of tumor radioresistance, 24:34698
- KLEINBOK, Ya. L. Formation of dose fields on proton beam of ITEP accelerator, 24:38015
- KLEINE, N. Model investigation of error estimation in "radiocardiographic function analysis" by use of ^{51}Cr, 22:25776
  - Radiation dosimetry during endolymphatic therapy with ^{131}I, 24:51002
- KLEINE, P. J. Ventilation systems at Mound Laboratory "PP" Building, 25:54948 (CONF-710401-, pp 133-48)
- KLEINE, Tilmann O. Active concentration mechanism of radioiodide in the trachea of guinea pigs with observations on ^{35}SCN, ^{36}Cl, and ^{58}Co, 22:12804
  - Localization of ^{131}I and ^{35}SCN$^-$ in glands of guinea pigs, 22:12777
- KLEINER, Anna M. Social institutions and thermonuclear war: case study of higher education, 21:22065 (NP-16693)
- KLEINER, C. T. Combined neutron degradation and γ induced effects on a closed loop system, 23:17874
  - Modification of the TRAC Ebers—Moll model for improved high frequency and collector storage time predictions, 25:57904
- KLEINER, D. H$_2$—D$_2$-exchange on reduced iron oxide catalysts, 23:35061
- KLEINER, S. I. Effects of ionizing radiation on the dynamics of free amino acid distribution in the walls of intestinal tract, 21:4763
- KLEINER, W. H. Hartree—Fock theory: Slater determinants of minimum energy, 21:22979
  - ReO$_3$ band structure in tight-binding approximation, 23:44548
- KLEINERT, G. Scintillation light yield of thin films of anthracene, 23:26524
- KLEINERT, Gero Local maximum of light yield of anthracene single crystals excited by α particles, 24:40170
- KLEINERT, H. Anomalous zitterbewegung of composite particles, 23:7105
  - Backward dispersion relations for πN $\rightarrow$ $\pi\Delta$ scattering and N$\Delta\gamma$ couplings, 25:36508
  - Dimension of chiral and conformal symmetry breaking, 25:38761
  - Do present meson baryon scattering data really support (3,3) + (3,3) dominance in SU(3) x SU(3) symmetry breaking, 25:22869
  - Dynamical group O(4,2) for baryons and behavior of form factors, 21:44416
  - Field dimension and gravitational vertex, 25:22885
  - Form factors of Δ(1236) from O(4,2) dynamics, 23:32738
  - Helicity-flip property of A$_2$NN coupling, 25:53234
  - Invariant functions and discrete symmetries. II, 23:49223
  - Large isovector magnetic moment for Roper nucleon transition, 25:53201
  - Liver protection during irradiation, 24:29779
  - Magnetic moments, form factors, and mass spectrum of baryons, 22:11704
  - Mixing operator for the SU$_3$ x SU$_3$ chiral algebra, 24:45569
  - Protective treatment of liver during irradiation, 24:32124
  - Relativistic discrete mass problem with internal degrees of freedom, 21:29616
  - Veneziano amplitude for any intercept from local Lagrangian, 24:49625
- KLEINERT, Hagen Baryon current solving SU(3) charge-current algebra, 23:39775
  - Calculation of relativistic transition probabilities and form factors from noncompact groups, 21:29586
  - Current operators and Majorana equation for the H atom from dynamical groups, 21:33197
  - Decay rates of decuplet resonances from O(3,1) x SU(3) dynamics, 21:29618
  - Decays of baryon resonances in an O(3.1) model, 23:23521
  - Derivation of mass spectrum and magnetic moments from current conservation in relativistic O(3,2) and O(4,2) theories, 22:22427
  - Group dynamics of the hydrogen atom, 23:14647
  - Isoscalar nucleon form factor from O(4,2) dynamics, 22:5625
  - Nonfactorizing saturation of current algebra, 23:32643
  - Relativistic current of H atom in O(4,2) dynamics, 22:26213
  - Resonance decays from O(3,1) dynamics, 21:23352
  - Transition form factors in the H atom, 21:41794
  - Transition probabilities of the hydrogen atom from noncompact dynamical groups, 21:28998
- KLEINERT, Hagen M. Group dynamics of elementary particles, 22:46474
- KLEINERT, Hagen Michael Group dynamics of elementary particles, 22:37173
- KLEINERT, Hellmut Electrocardiographic studies during ^{60}Co teletherapy of cardiac region, 22:40849
- KLEINERT H. Broken scale invariance and sigma$\pi\pi$, Asigmaπ, and sigmaAA vertices, 25:7646
- KLEINE-TEBBE, A. Chemical reactions of U, UO$_2$, and UC with air and water vapor in temperature range 1000 and 2200°C, 21:25813 (BMwF-FBK-67-12)
  - Experimental investigation of reactions between uranium dioxide and water under nonisothermal, quasi-isobaric conditions, 22:52255 (AEC-tr-6960)
  - Study on chemical reactions between uranium dioxide, the most abundant fission products, water and sodium, 23:2052 (AEC-tr-6961)
- KLEINE-TEBBE, E. Electric equipment for fuel element handling at ESSOR reactor in EURATOM Nuclear Research Centre, Ispra, Italy, 25:18627
- KLEINFELD, A. M. Reorientation effect in the cadmium isotopes, 25:12548
  - Reorientation effect measurements in ^{106} ^{114}Cd, 25:12619
  - Reorientation measurements in ^{116}Sn and ^{124}Sn, 25:15041
- KLEINFELD, Alan Marc Reorientation effect in cadmium and tin isotopes, 23:44913
- KLEINFELD, Morris Administrative experience with decontamination of vacated radiation installations, 21:14641
  - Early regulatory effort (1930-1945), 21:12871
- KLEINFELDER, H. Therapy of Cushing syndrome by implantation of ^{90}Y in the hypophysis, 21:26529
- KLEINFELDER, W. J. Impurity distribution profiles in ion-implanted silicon, 22:26481
  - Unique 150-keV ion accelerator, 25:3469 (CONF-700322-, pp 173-84)
- KLEIN HANEVELD, A. J. Some ternary uranium chalcogenides, 23:26246
- KLEINHEINS, P. Low energy accelerators, 24:20284
- KLEINHEINZ, P. Conversion coefficients and particle parameters in ^{207}Pb, 21:7800
  - Coriolis coupling in the odd tungsten isotopes, 25:34117
  - Decay dependent background signals in a magnetic electron spectrometer, 22:6632
  - Decay dependent background signals in a magnetic electron spectrometer, 22:12597 (UUIP-551)
  - Determination of the multipole mixture of the K-forbidden 1095-keV transition in ^{172}Yb, 21:5537
  - Determination of the yield of prompt electrons emitted in the spontaneous fission of ^{252}Cf, 21:1086
  - Isomer 1.7-min in ^{185}W, 23:8999
  - Particle trajectories in magnetic fields, 22:28137
- KLEINHOFS, A. Biochemical and ultrastructural characterization of chlorophyll-deficient barley mutants, 24:24965 (RLO-353-37)
  - Destruction of a biological activity of gibberellic acid by low doses of ionizing radiation, 23:45656
  - Mutations in flowering plants, 24:41815
  - Ribulose—diphosphate carboxylase activity in induced barley mutants, 24:41818
- KLEINKNECHT, K. Evidence against particle mixture models of CP violation, 23:27841
  - Interference between K/sub L/ $\rightarrow$ $\pi^+\pi^-$ and K/sub S/ $\rightarrow$ $\pi^+\pi^-$, 24:1522
  - K/sub L/—K/sub S/ regeneration, 25:47875
  - K/sub L/—K/sub S/ regeneration in copper, 22:50303
  - Measurement of π^+ $\rightarrow$ π^0 + e$^+$ + ν decay rate, 22:24528
  - Observation of time-dependent K/sub S/ and K/sub L/ interference in the $\pi^+\pi^-$ decay channel from an initial K$_0$ state, 22:44310
  - Phase difference between K/sub L/ and K/sub S/ decay, 23:23344
  - Phase of eta/sub +-/ = A(K/sub L/ $\rightarrow$ $\pi^+\pi^-$)/A(K/sub S/ $\rightarrow$ $\pi^+\pi^-$), 24:1503
  - Pomeranchuk theorem and K/sub L/—K/sub S/ regeneration, 24:5315
  - Rule $\Delta S = \Delta Q$ in decay K^0 $\rightarrow$ e^{+-} + ν + π, 22:39455

KLEINKNECHT, Konrad Interference between $\pi^+\pi^-$ decays of K/sub S/ and K/sub L/ mesons and the K/sub S/—K/sub L/ mass difference, 23:21044 (NP-17758)
KLEINMAN, Chemia J. Dominant nonadiabatic contribution to the long-range electron—atom interaction, 22:9060
  Nonexistence of a positron—hydrogen-atom bound state, 25:52628
  Variational lower bounds on electron—hydrogen s-wave phase shifts, 21:11441
KLEINMAN, D. L. Contrasting of thoracic duct, 24:17088
KLEINMAN, Leonard Core rearrangement and Hartree—Fock ionization energies, 21:43822
KLEINMAN, M. T. Strontium-90 yield of 1967 Chinese thermonuclear explosion, 23:17582
KLEINMAN, Michael T. Gamma spectral analyses of surface air samples, 25:31831 (HASL-242, pp I.79-84)
  Improved determination of microgram amounts of lead in food with a radioactive tracer, 22:10182
  Quality of radiochemical analyses in the HASL Surface Air Sampling Program, 25:15514 (HASL-239, pp I.58-62)
  Radioactivity in atmospheric tests, 24:44122 (HASL-217, pp I.149-54)
  Radionuclide concentrations in surface air, 24:323
  Strontium-90 yield of 1969 Chinese Nuclear Test, 25:32083 (HASL-242, pp I.85-90)
  Surface air sampling program, 22:21203 (HASL-184, pp II.6-25)
  Worldwide deposition of ^{90}Sr through 1970, 25:46803 (HASL-243, pp I.88-98)
KLEINMANN, D. E. Discovery of infrared nebula in Orion, 21:34983
  Infrared emission of Novae, 24:39762
  Infrared observations of galaxies and of extended nucleus in M82, 24:46970
  Infrared observations of the Crab Nebula, 22:29115
  Infrared spectrum, diameter, and polarization of the galactic nucleus, 23:41882
  Observations of infrared galaxies, 24:19676
  Photometric and spectroscopic observations of infrared stars, 24:27949
KLEINMANN, Douglas Erwin Infrared continuum of nonthermal sources, 24:19619
KLEINMANN, I. Spectrographic determination of impurities in nuclear graphite system, 24:4204
KLEINMANN, Imrich High frequency excitation of independently vaporized samples, 23:34986
  High-current impulse argon arc method for the spectrographic analysis of microsamples, 22:40012
  Spectrographic determination of impurities in radioactive substances, 22:42624
  Spectrographic determination of impurities in U_3O_8 powder by excitation in high-density argon discharge, 24:2105
  Spectrographic determination of impurities in U_3O_8, 24:4218
KLEINPETER, J. H. Effects of ionizing radiation on stabilized photo optics, 24:5966 (BNWL-1137)
  Environmental stress cracking of 10 liter polyethylene bottles, 23:16002 (BNWL-CC-1681)
  Survey of use of plastics at Hanford, 22:26099 (CONF-660706-, pp 111-23)
  Waste solidification demonstration program: characterization of nonradioactive samples of solidified high-level waste, 24:41384 (BNWL-1393)
  Waste Solidification Demonstration Program. Experimental techniques for characterization of high-level radioactive solidified waste, 25:354 (BNWL-1425)
KLEINPETER, John H. Electrolytic deposition of actinide oxides, 21:25964
KLEINPOPPEN, H. Conference on physics of the one- and two-electron atoms, Munich, 9/68, 24:19712
  Cross section of hydrogen 2^2 S/sub 1/2/ state and excitation of H/sub α/ and H/sub β/ line by electron impact, 22:41324
  Measurement of the Lamb shift 4^2S/sub 1/2/—4^2P/sub 1/2/ of the He ion, 21:43767
  Polarization of atomic line radiation. II, 21:9315
  Polarization of atomic line radiation. I, 21:9325
  Static quadrupole field for three-dimensional stabilization of electrons, 21:23002
KLEINPOPPEN, Hans Analysis of scattering and excitation amplitudes in polarized electron—atom collisions. I, 25:30287
  Cross section and polarization of H/sub α/ line by electron impact excitation, 22:17419
KLEINROCK, Leonard Application of mathematical theory of sequential sampling to γ scanning, 23:50654
  Application of the mathematical theory of sequential sampling to gamma scanning in nuclear medicine, 23:8020 (UCLA-10-P-14-X-39)
KLEINSASSER, Oskar Radioinduced sarcoma of the skull, 23:29892
KLEINSCHMIDT, R. Crystal structure of hydrogen isotopes, 21:17645
KLEINSORGE, Hellmuth Absorption of gold salts and gold sols for therapeutic use, 23:50284
KLEINSTEIN, Arnold David Hamiltonian in a class of models for a quantum field theory, 25:47962
KLEINSTEUBER, A. T. Preparation of thorium dicarbide and uranium—thorium dicarbide spheres by a sol-gel process, 22:49788
  Preparation of urania and urania—zirconia microspheres by a sol-gel process, 21:6864
  Process for preparing oxide gel microspheres from sols, 21:3079
KLEINSTUECK, K. Applications of neutron diffraction and some new results, 21:18820
  Atomic arrangement in the homogeneity range of laves phases $ZrFe_2$ and $TiFe_2$, 22:3196
  Influence of oxygen segregations in silicon single crystals, 21:46428
  Moessbauer investigations of Mg, Mn, and MgMn ferrites in external magnetic fields, 22:17777
KLEINSTUECK, O. Measuring and control techniques for pressurized-water power reactors, 23:19481
KLEIN-SZANTO, A. J. P. Histoenzymic reactions in rat epidermis subjected to deuterons, 25:24398
  Microspectrophotometric study of oxidative enzymes in irradiated epidermis, 25:11241
KLEINT, Ch. Investigations on semiconductor surfaces by desorption spectroscopy, 21:34449
KLEINWAECHTER, H. Development of machine for handling radiation accidents, 24:7624
KLEINWAECHTER, V. Effect of visible light and uv light on phage, 21:13080
  Radiosensitivity of some phages of S. marcescens and E. coli, 21:11146
KLEISER, J. Measurement of the nuclear polarization in the reaction ^{40}Ca(d,p)^{41}Ca* (1.95 MeV), 21:23448
KLEISNER, Ivan Effect of cyanoferrates on the excretion of radiocesium by rats and goats, 22:40522
KLEIST, G. Dynamics of electromagnetically driven convergent cylindrical shock wave, 22:39097
  Electromagnetically driven convergent cylindrical shock waves, 24:17916
  Formation and acceleration of luminescent current layers in z-pinch discharges, 23:30540
  Investigations of strong shock-waves, 12/66, 22:21231 (BMwF-FBK-67-68)
KLEITZ, M. Elementary processes in the reaction of oxygen electrode in solid oxide electrolytes at high temperature, 22:40094
KLEM, Bernard F. Effects of weather on the optical detection of deep space nuclear bursts. II, 22:25545
KLEM, R. High-energy physics utilization of ZGS, 22:32307 (CEAL-2000, pp 456-9)
KLEM, R. D. Depolarization of negative muons stopping in liquid hydrogen, 21:21134
  Energy dependence of 180° π^-p charge-exchange cross section, 23:21056
KLEMA, E. D. Energy levels of ^{59}Fe from the ^{58}Fe(d,p)^{59}Fe reaction, 21:44634
  Fragment angular distributions for monoenergetic neutron-induced fission of ^{239}Pu, 23:5928
  High-resolution 5000μ silicon surface-barrier detectors, 25:57801
  Nuclear pairing energy of transition nucleus ^{240}Pu, 22:53209
KLEMENS, P. G. Lattice thermal conductivity of impure tin, 23:22528
KLEMENS, R. W. Three key aspects of nuclear materials management, 24:430
KLEMENT, A. W. Jr. Radiological safety research for nuclear excavation projects, 24:23148 (SWRHL-82, pp 652-63)
KLEMENT, Alfred W. Jr. Bibliography on marine radioecology, 24:7770 (TID-3917)
  Bibliography on radioecology, 23:9907 (TID-3915)
  Natural environmental radioactivity, 24:27222 (WASH-1061(Suppl.))
  Natural radionuclides in foods and food source materials, 21:26391
  Terrestrial and freshwater radioecology, 22:33777 (TID-3910(Suppl.5))
  Terrestrial and freshwater radioecology. A selected bibliography, 25:6664 (TID-3910(Suppl.6))
KLEMENT, E. Annealing stage I of α-irradiated Cu, 22:21732
KLEMENT, G. High-power spark gaps for large and fast energy storage systems, 25:30565 (EUR-4593, pp 241-50)
  ISAR II: 500 kJ double-fed linear theta-pinch, 22:46105 (IPP-4/58)
  New crowbar system for 2.7-MJ bank Isar I at Garching, 25:30560 (EUR-4593, pp 189-95)
  Pressurized switching unit designed to start and to crowbar a turbulence heating experiment, 22:46103 (IPP-4/52)
KLEMENT'EV, A. A. Precipitation of the carbides of refractory metals, 24:14888
KLEMENT'EV, A. P. Iron-free induction-type linear accelerator, 24:45662
KLEMENT'EV, V. M. Determination of the profile of a shock-wave front, 21:21846
  Determination of the profile of a shock-wave front, 21:21846
  Some spectral characteristics of electrodeless ring discharge, 21:15108
KLEMENT'EVA, E. M. Investigation of water coolant purification in first circuit of Novo Voronezh Power Reactor with ion-exchange filters, 24:5711
KLEMENT'EVA, V. V. Deformed Mo recovery, 25:2746
KLEMENTOV, A. D. High-current pulse discharge in lithium, 25:33238
KLEMIN, A. I. Hydraulic mapping of nuclear reactors, 24:33492
  Some problems of nuclear reliability, 23:21551
KLEMM, A. Diffusion in binary mixtures of H_2, HD, and D_2 at 24°C, 24:27037
  Electromigration in metals, salts, and aqueous solutions, 25:8247
  Isotopic mobility and its temperature dependence in molten KCl, RbCl, and RbBr, 21:14301
  Self-diffusion of liquid ^{6}Li and ^{7}Li, 25:26238
  Separative fluodiffusion, 25:26242
  Temperature and concentration dependence of inner mobility of ^{6}Li and ^{7}Li, 23:4626
  Temperature dependence of gaseous normal and ortho-deuterium thermal conductivities at liquid hydrogen temperatures, 23:47358 (LA-4122-TR)
  Temperature dependence of the thermal conductivities of gaseous normal-and ortho-deuterium at temperatures of liquid hydrogen, 22:4088
KLEMM, C. Accumulation and excretion of ^{224}Ra (Th X) during treatment of ankylosing spondylitis, 25:11231
  Profilography of sacroiliac joints in ankylosing spondylitis, 25:55287
KLEMM, D. Effects of endolymphatic ^{131}I-therapy on human blood, 23:14223
  Radiotherapy of malignant lymphomas, 23:45664
KLEMM, Dieter Quantitative behavior of plasmatic protein fractions under radioiodine incorporation and radiocobalt irradiation, 22:45657
  Studies on combination injuries. XII, 23:33860
KLEMM, J. Brain blood flow measurements (cerebral clearance) with ^{133}Xe, 25:11144
  Has O-(β-hydroxyethyl)-rutoside protective effect in irradiated and non-irradiated tissue, 25:21746
  Injury to the heart following tumor irradiation in thorax, 24:44610
  Is ^{133}Xe clearance a routine technique for studying muscular blood flow, 25:11138
  Radiosensitivity of malignant tumors treated with tetracyclines, 24:44529
  Studies on l-triiodo-thyronine suppression in its dependency on thyroidal function, iodine storage, thyroid size, and age of patients, 25:10944
  Vascular bed ionizing radiation and protective effect of tri-(hydroxyethyl)-rutoside, 23:48087
KLEMM, Johannes Changes in capillary system under influence of ionizing radiation and possible protective effects of trihydroxyethylrutoside, 22:40738
  Effect of energetic beams on the erythrocyte life time, 21:45754
KLEMM, K. J. Alterations of the vessel wall in the capillary bed after irradiation with fast electrons, 22:40797
  Vessel wall in capillary bed after irradiation, 23:781
KLEMM, R. A. Superconductivity in layered structure organometallic crystals, 24:28221
KLEMM, Richard A. Atomic hyperfine structure. I, 23:1800
KLEMM, W. Preparation of alloys of platinum with base metals, 24:51141 (ORNL-tr-2381)
  Systems of alkali and alkaline earth metals, 21:43593
KLEMM, Wilhelm Chlorinating decomposition of substances containing niobium, 22:50984
  Knowledge of Mg—Eu systems. III, 23:8226
KLEMME, B. Experimental investigation of the decay ^{223}Ra $\rightarrow$ ^{219}Rn, 24:13354
  Magnetic properties of [624] 9/2 rotational band in ^{177}Hf, 23:23691
KLEMOLA, A. R. Absolute proper motions for 41 RR Lyrae stars, 25:32906
  Determination of correction to precession from stellar proper motions, 25:43048
  Field of nova V368 Aquilae 1936, 23:12457
  Groups and clusters of southern galaxies, 23:51338
  Observations of eight suspected variable stars, 25:32907
KLEMOVA, L. Estimation of radioactivity of biological samples, 25:11044
KLEMPARSKAYA, N. N. Allergy and radiation, 23:50393
  Comparative assessment of various methods used for detection of autoantibodies, 22:51430
  Deposition of ^{90}Sr in rabbits, 24:7723
  Dynamics of autoimmune processes, 25:4472
  Influence of BCG vaccine on gamma-irradiated rats, 21:20350
  Influence of homologous tissue suspensions on mortality of irradiated mice, 23:38779
  Use of homologous blood serum for prevention and treatment of radiation sickness in dogs, 22:25897
  Vaccination and antibiotic treatment of acute radiation sickness in monkeys, 23:9972 (AEC-tr-6713, pp 19-21)
KLEMPERER, Derek F. Promising technique for stainless steel ultrahigh vacuum systems, 21:19890
KLEMPERER, O. Electron optics, 25:22943
KLEMPERER, W. Carrier of the interstellar 89.190 GHz line, 24:48948
  Geometry of some refractory metal dioxides, 22:4873
  Hyperfine structure and dipole moment of CH_3D, 25:102
KLEMPERER, William Electric dipole moment of CH_3D, 22:27684
  Hyperfine structure constants of HF and DF, 24:38872
KLEMPT, E. Anomalous magnetic moment of free electrons, 24:6352
  Measurement of the cyclotron frequency of free electrons in a quadrupole field, 22:18054
KLEMS, G. J. Prog. rpt. on dislocation-solute atom interactions in alloys, 10/70, 25:4786 (COO-1676-13)
KLEMS, J. H. Limit on the $K^+ \rightarrow \pi^+ + \gamma + \gamma$ decay rate, 24:40246
  Limit on the $K^+ \rightarrow \pi^+ + \tau +$ antiτ decay rate, 24:26369
  Limits on $K^+ \rightarrow \pi^+ + \tau +$ anti τ and $K^+ \rightarrow \pi^+ + n\gamma$ decay rates, 25:45652
KLEMT, P. Low-temperature electron irradiation of tellurium, 25:56306
KLEMT, V. Isomeric shift and magnetic hyperfine splitting of muonic atoms in the lead region, 25:5794
  M1 transition probabilities of single-particle states in the lead region, 25:15197
KLEMYSHEV, P. S. Double spectrometer of slow neutrons DIN-1, 23:22056 (FEI-129)
KLENCK, Michael M. Simplified method of quantitating preferred orientation, 23:6692
KLENER, V. Changes in erythropoiesis after whole-body x irradiation in rats and rabbits, 21:14576
  Radiobiological principles of radiation hygiene, 25:29703
  Role of erythropoietin in changes of erythropoiesis after x-irradiation in rats and rabbits, 21:14575
  Value of detailed analysis of radiation accidents, 24:7909
KLENERT, M. Methods for the measurement of the course of photo- and radiation reactions in biological substances, 25:46519
KLENIN, B. A. Orbit parameters of 2-meter JINR isochronous cyclotron, 24:28644 (JINR-P9-5033)
KLENIN, M. A. Divergent fluctuations in superconducting films, 24:15258

KLENIN, Marjorie Anne Effects of electric and magnetic fields on the resistive transition of a superconductor, 25:33192
KLENK, H. Separation of decay products of a ^{224}Ra source as methyl compounds, 25:51547
KLENK, R. Nondestructive analysis using short living nuclides. I, 24:38788
Variation of nonlinear parameters to compute decay-constants and their standard deviation, 25:43521
KLENOV, G. I. Electrostatic injector of a small-aperture accelerator, 24:22027 (CERN-Trans-69-35)
KLENOVA, M. V. Oceanographic research in the Atlantic, 22:191 (TT-66-51029)
KLEPCZYNSKI, W. J. Determination of mass of Pluto, 25:35822
KLEPEIS, J. E. Tenth symposium on engineering aspects of magnetohydrodynamics, Cambridge, Massachusetts, March 26—28, 1969, 25:2945
KLEPEIS, James E. Critique of MHD power generation, 24:39912
Research on MFD energy conversion, 25:47359 (AD-720257)
KLEPFER, H. H. Engineering significance of ferrite grain size on the radiation sensitivity of pressure vessel steels, 21:1924
Fabrication and characterization of Zr—Cr alloy tubing, 22:34016 (GEAP-5589)
Neutrographic hydrogen determination in zirconium alloys, 24:33636
Neutrographic hydrogen determination in zirconium alloys, 25:41755
Prog. rpt. on specific Zr alloy design program, 10/67—3/67, 21:30957 (GEAP-5424)
Prog. rpt. on specific Zr alloy design, 4—6/67, 21:39657 (GEAP-5516)
Prog. rpt. on specific Zr alloy design program, 7/68, 22:49713 (GEAP-5649)
Prog. rpt. on specific Zr alloy design program, 1/69, 23:22464 (GEAP-5743)
Prog. rpt. on specific Zr alloy design program, 4/69, 23:48497 (GEAP-10026)
Prog. rpt. on specific Zr alloy design program, final, 6/69, 24:9995 (GEAP-10044)
Prog. rpt. on Zr alloy design program, 1/68, 22:34039 (GEAP-5603)
Radiation-effects studies of interest to BWR development, 21:38519
Status of thermal reactor fuel manufacture in the United States, 25:39130 (A/CONF.49/P-62)
KLEPFER, Harold M. Zirconium base nuclear reactor alloy, 21:1903
KLEPIKOV, N. P. Formulas for simultaneous relativistic phase-shift analysis of the elastic and the inelastic nucleon—nucleon scattering, 22:35021
Identities among observables in scattering of particles with spin, 21:33637
Parametrization of the S matrix in nonorthogonal basis, 22:32215
Relativistic hyperspherical functions of three particles, 21:31546
KLEPIKOV, V. P. System of monitoring and measuring instruments for fast reactors, 23:52336 (JPRS-48330, pp 293-312)
KLEPIKOVA, F. S. Lethal and mutagenic effects of 1-methyl-3-nitro-1-nitrosoguanidine and uv on culture of novobiocin-producing strain of Actinomyces spheroides, 24:2619
KLEPINGER, F. W. Effects of gamma radiation on germination and seedling development of Yucca brevifolia Engelm, 22:8649
KLEPINGER, R. W. Analysis of ground motion: Buggy I Event, 24:7540 (PNE-326)
Analysis of ground motion, Cabriolet Event, 24:7536 (PNE-958)
Analysis of ground motions and close-in physical effects, Gasbuggy Event, 24:11712 (PNE-1010)
KLEPNER, S. Level-crossing signal line shapes and ordering of energy levels, 22:38772
KLEPPE, L. K. Application of LiF (TLD-100) to tissue-dose measurements, 21:26238 (CONF-650637-, pp 412-17)
KLEPPE, Lowell M. Procedures for finding fission tracks in mica and Mylar, 21:6204 (UCRL-17075)
KLEPPER, L. Ya. Computer calculations of dose distribution for nylon threads with ^{60}Co granules, 23:31789
Obtaining of volumetric dose fields in ^{60}Co gamma therapy with the aid of electronic computers, 23:31784
Selecting optimal conditions for radiotherapy, 24:14491
Use of electron computers for dose distribution calculation of ^{60}Co gamma radiation, 22:31108
KLEPPER, M. R. Lead and Sr isotope studies in Montana, 23:13866
KLEPPER, O. Anomalous hyperfine fields detected with the differential angular correlation method, 23:5483
Lifetime measurements in ^{38}Ar, 22:11931
Measurement of the magnitude and sign of the nuclear quadrupole interaction via the spin precession of an angular correlation, 25:34178
Perturbed angular distribution of recoil implanted ^{19}F nuclei in a Ni environment, 22:44624
Possible applications of perturbed angular distributions in high internal magnetic fields, 22:46841
KLEPPER, O. H. Temperature of N.S. Savannah irradiated fuel following postulated loss of coolant from transfer cask, 21:30234 (ORNL-TM-1845)
Underwater caisson containment of large power reactors, 21:34115 (ORNL-4073)
Underwater caisson containment of large power reactors, 21:38511
Underwater containment for power reactors, 22:30221
KLEPPNER, D. Hyperfine separation of tritium, 21:33206
Magnetic moment of the proton, 22:34245 (TID-24491, pp 1-5)
KLEPPNER, Daniel Alkali—alkali differential spin-exchange scattering. I, 25:9223
Atomic differential spin-exchange scattering, 22:7153
Orbiting clock experiment to determine the gravitational red shift, 24:17608
KLEPSCH, Iulia Urinary total gonadotrophins after irradiations, 24:14417
KLERSY, R. Welding of SAP, 21:30299
KLERSY, Raymond Method for tightly closing tubes made of ceramic-metal composite materials, 21:34178
Nuclear fuel element made of a ceramic metal composite material and method for closing the ends of the said element, 21:518
Process for welding cans of reactor fuel elements, 23:38939
KLESCH, K. Application of alkylphosphoric acids in the analysis of substances containing rare earths, 25:31811
KLESCH, Katalin Analytical applications of alkyl phosphoric acid esters. V, 23:13638
KLESHCHENKO, E. D. Ionization chambers with a liquid dielectric, 25:57778
KLESHCHENKO, N. S. Technological extraction of tantalum and niobium from the intermediate products of tin—tungsten production, 22:45175
KLESHKOV, E. M. Highly transmission ion source with electron bombardment, 22:43192
KLESPER, Ernst Apparatus and materials for hyperpressure gas chromatography of nonvolatile compounds, 22:45155
KLESSMANN, H. Display terminal for on-line nuclear experiments, 23:41119 (EUR-4289, pp 321-30)
Graphic display terminal for nuclear experiments with on-line computer. I, 25:4390 (HMI-B-100)
Modular electronic system for computer-aided nuclear experiments, 25:23910 (HMI-B-102)
Nuclear chemistry digest. II, 23:17746 (HMI-B-79)
KLESTOVA, O. V. Reduction of the radiation injury to rats by means of erythropoietin in case of subtotal irradiation, 23:31948
KLETECKA, Zdenek Melting in vacuum arc furnace, 23:24877
KLETENIK, Yu. B. Photometric determination of molybdenum after its extraction with mono-2-ethylhexylphosphoric acid, 23:28692
KLETSCH, E. Electricity in the modern industrial society, 25:57005
KLETT, Carol A. Strontium sorption by C. pyrenoidosa, 22:31013
KLETT, R. D. Ablation material testing, 23:17701 (SC-RR-68-601)
Design of space nuclear power supplies for intact reentry, 22:42978 (SC-RR-68-351)
Thermal analysis of the intact SNAP-19/NIMBUS B/AGENA system, 25:54895 (SC-RR-710353)
KLETT, Robert D. Reentry temperatures of low heat capacity structures, 22:2299 (SC-RR-67-232)
Reentry thermal analysis of SNAP-19/NIMBUS B/AGENA system, 21:26068 (SC-RR-66-2672)
KLETTER, B. Coproantibodies to milk: identification by radioimmunoelectrophoresis, 24:2588
KLETTKE, B. D. Comment on channeltron fatigue and efficiency for protons and electrons, 23:45597
Long-term stability characteristics of commonly used channel electron multipliers, 24:39248
Preamplified Spiraltron electron multiplier, 24:25278
KLETZMAYR, E. Effective resonance integral and Doppler coefficient of ^{238}U, ^{232}Th, and ^{240}Pu, 21:33953 (AAEC/E-168)
LUBRA: code to calculate point and group cross sections, 21:38295 (AAEC/E-164)
KLETZMAYR, E. K. Investigation of interference and resonance asymmetry effects in the theory of neutron absorption in reactors, 21:33864
KLEVALIN, V. A. Pulse shaper for the video channel of a television measurement system, 25:48998
KLEVANS, E. H. Analysis and application of the dielectric constant of a two-temperature plasma, 21:15127 (JPL-TR-32-888)
Dipole modes and the one-wave approximation for trapped modes in magnetoplasma cylinders, 23:7014
Electrostatic energy per degree of freedom of a two-temperature plasma, 21:46344
Interaction of electromagnetic wave with hot plasma half-space, 25:14361
Longitudinal waves in a plasma half-space, 23:1461
Plasma stability in bounded systems, 25:14339
Trapped low frequency waves propagating along a warm plasma cylinder, 24:51750
KLEVATT, P. L. Charge code for space radiation shielding analysis, 24:28379 (AD-688852)
KLEVENHAGEN, S. Solid-state digital integrating x-ray dosimeter, 22:25679
KLEVTSOV, P. V. Crystal—chemical studies of some trivalent metal molybdates and tungstates, 24:4842
Solid solutions in system LiNd(WO$_4$)$_2$—Nd$_2$(WO$_4$)$_3$ and polymorphic transformations in triclinic modification LiNd(WO$_4$)$_2$, 23:10290
KLEWE-NEBENIUS, H. Double electron ejection in electromagnetic decay of /sup 113m/In, 22:53170
Measured differential cross sections for elastic and inelastic scattering of 104-MeV α particles, 25:43832 (NP-18920)
Search for two-quantum processes in the decay of /sup 131m/Xe, 21:2753
KLEY, H. Advanced gas cooled reactor with steam-generators within the wall of the prestressed concrete pressure vessel, 25:20698
Safety features of advanced GCR, 23:43136
KLEY, Hermann Graphite moderator and gas cleaning of AGR gas-cooled reactor, 24:36019
KLEY, Ronald J. Distribution of selected trace elements in rocks, 22:30692 (PNE-5008)
Geologic investigations and engineering properties of craters. project pre-gondola i, 23:35356 (PNE-1103)
Study of selected rock excavations as related to large nuclear craters, 22:6508 (PNE-5010)
KLEY, W. Considerations on the optimum layout of the experimental facilities for the sora-pulse reactor, 22:39874 (ANL-Trans-616)
Determination of the frequency spectrum in solids by inelastic scattering of cold neutrons, 21:21398
Dynamics of hydrogen impurities in niobium and vanadium, 24:10620
SORA, 24:11241 (CONF-690102-, pp 265-85)
SORA reactor: design status report, 21:44507 (CONF-660925, pp 373-411)
Status of lymphatic tissues upon irradiation with ^{60}Co, 21:41486
Study of localized vibration modes of the hydrogen in vanadium hydride by the inelastic scattering of cold neutrons, 21:29362
Suggestions for the improvement of cold neutron spectroscopy, 22:26778
Use of SORA-reactor for neutron physics experiments, 23:13541 (EUR-4082)
KLEYKAMP, H. Change in the thermal conductivity in an oxide fuel during burnup, 25:24627 (LIB/Trans-346)
Change in thermal conductivity of an oxide fuel element during burn up, 25:4839 (KFK-1245)
Experimental contribution to Jost mechanisms in solid-state reactions, 25:26210 (KFK-1312)
Phase diagram and thermodynamics of system U—Ru—C, 24:25802
Reaction ratio of uranium mononitride with metal oxides, 22:48849 (KFK-771)
Stochiometric shift in an oxide fuel element at high burnup, 25:8137 (KFK-1181)
Stoichiometry shift in an oxide fuel element at high burnup, 25:28690 (EURFNR-836)
Thermodynamics of multi-component systems containing UC and PuC, 23:36265
Variation in the thermal conductivity of an oxide fuel element during burnup, 25:26074 (EURFNR-817)
KLEYMENOVA, N. G. Longitudinal drift of chorus and relation to magnetic disturbances, 25:33135
Observations of extremely low frequency emission at two conjugate points, 21:24982 (N-67-13235)
Observations of ultralow frequency radiation at conjugate points, 21:46236
Relationship between irregular geomagnetic field pulsations and the pulsations of auroras, 23:32257
KLEYMENOVA, Z. P. Changes in storm activity in the solar cycle, 22:15310
KLIBANOV, E. L. Saturation by C of liquid Mo, W, and Re in arc furnace, 25:37964
KLICK, C. C. Thermoluminescence processes and color centers in LiF:Mg, 23:7823 (CONF-680920-, pp 302-9)
KLICKA, Vladimir Treatment of uranium mill effluents, 21:25940
KLICKMAN, A. E. Analysis of the Kiwi—TNT experiment with MARS, 21:38632
Anomalous reactivity effects in the Fermi incident, 21:38517
Case history of Enrico Fermi Reactor incident: anomalous reactivity and fission-product analyses, 22:16128 (CONF-671011-, pp 355-66)
Comparative hypothetical accident analysis for four interim core designs for the fast test reactor, 23:21509 (APDA-208)
Hypothetical accident analysis for fast test reactor, 21:34152 (APDA-194)
Multiparameter noise analysis on Enrico Fermi Atomic Power Plant, 22:32890
Noise analysis for Enrico Fermi reactor, 22:24928 (APDA-NTS-13)
Nuclear testing on the Enrico Fermi Reactor through 200 MW, 25:50945
Oscillator tests in Enrico Fermi reactor, 22:1752 (APDA-NTS-11)
Physics design of Fermi mixed oxide core, 24:22246
Physics measurement programs in US fast power reactors, 21:27767
Reactor dynamics measurements on Enrico Fermi Reactor, 21:35559 (ANL-7320, pp 629-52)
Safety and licensing considerations for a 350-MW(e) DFBR, 24:7156
Safety considerations in Enrico Fermi reactor design, 22:46963
Stability of the Enrico Fermi Reactor under automatic control, 21:35619
Transfer function measurements on Enrico Fermi Fast Reactor using single reactivity pulses of various durations, 22:32879
Transfer functions from reactivity pulses generated by regulating rod: Enrico Fermi Reactor, 22:14131 (APDA-NTS-14)
Two-dimensional hypothetical accident investigation of a mixed-oxide core design for the Fast Test Reactor, 22:37554 (APDA-209)
KLICKMAN, Alton E. Analysis of the KIWI—TNT experiment with MARS code, 24:16263
Comparison of the methods used in fast-reactor meltdown calculations, 21:7968
Parametric two-dimensional energy release studies of two fast-reactor core concepts, 22:32871
KLICKOV, O. V. Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials, 25:46829
KLIEFOTH, K. Observation of plasma resonances with the help of microwave emission, 21:42070
KLIEFOTH, W. Three hundred-mw THTR ready for construction, 23:5998
KLIEFOTH, Werner Nuclear reactors, 23:21456
KLIENTOVSKAYA, M. M. Radiation resistance of KU-4 cationite, 21:40914
KLIER, E. P. Research progress, 22:31417 (BNWL-532, pp 9.1-23)
KLIER, Eugene P. Tensile properties of selected steels for use in nuclear reactor pressure vessels, 22:17147 (NRL-6649)
KLIER, G. Investigation of spin-orbit and spin—spin interactions in the optical model by vector-polarized deuterons, 25:53712

- KLIER, K. Exchange reaction of oxygen with oxides computer determination of the exchange rates, 22:27675
  - Geiger—Mueller counter for ultrahigh vacuum systems, 23:14003
  - Mechanism of exchange reactions between O and oxides ZnO, MnO$_2$, CuO, and Co$_3$O$_4$, 22:27633
- KLIEWER, K. L. Anomalous skin effect for specular electron scattering, 22:50236
  - Electron energy loss due to surface modes in a thin ionic crystal film, 25:11677
- KLIF, P. Pharmacology of ellagic acid, 25:24221
- KLIGER, G. K. Evidence for $\pi^+\pi^-$ resonance at 1.5 1.6 GeV in 4.7 GeV/c π^-p^- interaction, 21:7470
  - g^0 resonance decay into four pions, 23:30714
  - Liquid hydrogen bubble chamber with volume of 55 x 35 x 30 c_3, 22:6649
  - Quasi-two-particle π^-p reactions, 22:48241
  - Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ at 3.25 GeV/c, 23:7100
  - Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ with the impulse of π^- meson at 3.25 GeV/c, 22:48227 (ITEF-590)
  - Three-particle resonances in π^-p interactions at 4.7 GeV/c, 21:21143
- KLIGER, H. S. Governing equations for shells of pyrolytic graphite-type materials, 25:22170
- KLIGERMAN, Morton M. Carcinoma of the tongue and floor of the mouth, 23:35916
  - Hepatic refunction after tumor irradiation, 24:32133
  - Kinetics of marrow regeneration after local irradiation of the femur in rabbits, 22:28665
  - Sensitization of bacteria to x-ray by neoarsphenamine, 23:45971
  - Therapeutic margins in clinical radiotherapy with conventional types of radiations and their implications for neutron therapy, 25:52160
- KLIGFIELD, George Utilization of thermal water from nuclear power plants, 24:46010
- KLIKOFF, W. A. Jr. Aerodynamic breakup of liquid drops, 21:34408 (SC-RR-66-2716)
- KLIMA, B. B. Analysis of ORNL Garden Carrier No. 2, 23:45491 (ORNL-TM-2531)
  - Savannah River Americium—Curium Slug Carrier, 25:2421 (ORNL-TM-3110)
  - Structural analysis of shipping casks. VI, 22:19084 (ORNL-TM-1312(Vol.6))
- KLIMA, D. Use of ionizing radiations to increase storage time of pre-packed beefsteaks, 25:24520
- KLIMA, J. Physicochemical aspects of application of UO$_2$ as reactor fuel, 24:42291
- KLIMA, R. Containment of plasma in stationary magnetic and high-frequency fields. I, 24:21759
  - Containment of plasma in stationary magnetic and high-frequency fields. II, 24:21760
  - Containment of plasma in stationary magnetic and high-frequency field. III, 24:49109
  - Diamagnetism caused by waves in a plasma, 24:40102
  - Drift approximation for a field with a nonresonant high frequency component, 21:46362
  - Drift of untrapped particles in a Tokamak, 25:5071
  - Drifts and hydrodynamics of particles in a field with a high-frequency component, 23:13012
  - High-frequency heating in Tokamaks, 25:58966
  - Perturbation of a magnetostatic field, 23:32510
  - Radiation pressure on plasma-vacuum boundary, 23:16772
  - Radiation pressure on the plasma—vacuum boundary, 22:31825
  - Radiation pressure on the plasma—vacuum boundary, 23:42297
  - Stationary state of a plasma in a strong uhf field, 21:31472
  - Stationary state of a plasma in magnetostatic and potential fields, 21:2200
  - Stationary state of a plasma in magnetostatic and potential fields. II, 22:3044 (IPPCZ-66)
  - Stationary state of plasma in magnetostatic and potential field. I, 21:46368
  - Stationary state of plasma in magnetostatic and potential fields. II, 22:3093
  - Tensor of time-averaged stresses for plasma with an oscillating field, 23:12859
- KLIMA, Richard J. High-altitude blast generation system. II, 24:41465 (AD-704608)
- KLIMAN, Bernard Application of a radioimmunoassay for angiotensin I, 24:4585
  - Double-isotope derivative assay of serum iodothyronines. II. Thyroxine, 25:28986
  - Proton-beam therapy in acromegaly, 22:47620
  - Recent advances in the double isotope derivative analysis of steroids, 22:16476
- KLIMAN, Gerald B. Axisymmetric modes in hydromagnetic waveguide, 21:37258 (NP-16943)
- KLIMANOV, F. P. Drift of small-scale inhomogeneities at Mirny (the Antarctic), 21:39927
  - Small-scale inhomogeneities of ionosphere in Antarctica, 24:17788
- KLIMANOV, V. A. Albedo gamma radiation, 23:34490
  - Differential albedo for γ rays from point monodirectional source, 22:7341
  - Distribution of gamma radiation at a shield boundary from sources having arbitrary angular distributions, 25:47610
- KLIMANOVA, L. F. Large memory storage spark chambers, 21:298
  - Neutron—carbon nucleus inelastic interaction cross section at 100 GeV, 22:21912
- KLIMANOVA, R. S. Modification of glass fiber surfaces by radiation—chemical method, 24:13883
- KLIMAS, A. J. Foundation of the theory of cosmic-ray transport in random magnetic fields, 25:52702
- KLIMASARA, A. Mathematical models of radioisotope renography, 24:7946
- KLIMASHIN, G. M. Certain properties of zirconium oxycarbides in the region of homogeneity, 25:47175
  - Electric properties of carbides of Group IV transition metals, 24:6275
  - Electrical properties of TaC at high temperatures, 24:19982
  - Electro- and thermophysical properties of zirconium monocarbide, 21:11303
  - Superconductivity of titanium carbide, 25:5038
  - Thermoelectric power and electrical conductivity of Ti and Zr monocarbides in temperature range 20 to 2000°C, 22:39181
- KLIMCHITSKAYA, G. L. Ground state energy of two-electron atoms with arbitrary nuclear charges Z less than or equal to 137, 25:58818
- KLIMCZYK, H. Colorimetric determination of iron in niobium compounds, 24:29199
- KLIMEK, H. Effects of ionizing irradiation on periodontium in rats, 25:52223
  - Histological examination of parodontium after irradiation of the rat trunk at a dose of 600 r, 25:26960
  - Irradiation of rat trunk by 600 R, 24:25567
- KLIMEK, M. DNA synthesis in mammalian cells after ultraviolet irradiation, 25:51997
  - Effect of acridine derivatives on thymine in DNA, 25:24308
  - Effect of caffeine on DNA, 25:24424
  - Molecular weight of DNA synthesized in L-cells, 25:35207
  - Pyrimidine dimers in mammalian cells and tissues (induction, persistence, role, and repair), 25:37858
  - Radiosensitization of tumor cells, 24:48590
  - Theoretical calculation of DNA synthesis in uv irradiated L-cells and real synthesis, 22:31005
  - Ultraviolet irradiation and the formation of thymine and cytosine—thymine dimers and the influence on the synthesis of DNA in mammalian cells, 22:21426
- KLIMEK, Miros Role of pyrimidine dimers in the inhibition of DNA synthesis in mammalian cells after ultraviolet irradiation: the mathematical interpretation of results, 25:49114
  - Thymine and uracil-thymine dimers and deoxyribonucleic acid synthesis in mammalian cells irradiated with ultra-violet light, 21:20056
  - Thymine dimerization in L-strain mammalian cells after irradiation with uv light, 21:24336
- KLIMEK, S. Lyophilized roentgen-irradiated bone transplant, 23:38905
- KLIMEK, W. Movement of caprolactum polymerization mixture through continuous-action polymerization equipment of the Z-tube type, 22:14708
- KLIMEK, Z. Method of removing singularities in Friedmann's cosmological models, 25:40320
- KLIMENKO, A. S. Angular distribution asymmetry of polarized deuterons elastically scattered on ^{32}S and ^{58}Ni nuclei, 23:10990
  - Asymmetry of angular distribution of the products of the reactions ^{60}Ni(d,d)^{60}Ni with polarized deuterons, 22:24838
  - Asymmetry of angular distribution of protons from reaction ^{40}Ca(d,p)^{41}Ca with polarized deuterons, 22:32556
  - Effect of gamma radiation and protons with energies of 127-660 MeV on the radiation injury of yeast cells, 21:16532 (JPRS-38272, pp 77-8)
  - Elastic scattering of protons on iron and cobalt, 25:28263
  - Spectrum of ^{186}Re conversion electrons at energies exceeding 750 keV, 21:33972
- KLIMENKO, E. Yu. Criteria for current stability in combined (normal + superconducting) conductors, 21:20876 (IAE-1208)
  - Current stability criteria in composite (normal + superconducting) conductors, 21:18544 (NP-tr-1511)
  - Device for measuring pressure drop and heat transfer in two-phase helium flow, 23:20852
  - Force-cooled superconducting coil, 23:20862
  - Force-cooled superconducting systems, 24:35353
  - Stability criteria for current in combined (normal + superconducting) conductors, 22:22081
  - Stable optimized superconducting split coils, 23:20863
- KLIMENKO, G. G. Influence of bombardment by β particles on the evaporation of Ag from Al—Ag alloys, 24:19475
- KLIMENKO, G. K. Oxidation of rubber under effects of ^{60}Co radiation, 22:33417
- KLIMENKO, S. V. Application of generalized Veneziano model to reaction $\pi^-p \rightarrow n\pi^0\pi^0$, 25:50137 (JINR-P2-5943)
  - Covariant matrix of measuring coordinates of track points taking into account Coulomb multiscattering, 25:44682 (IFVE-SPK/SVM-70-53)
  - Description of reaction $\pi^-p \rightarrow$ NKanti K with generalized Veneziano model, 25:50138 (JINR-P2-5961)
  - Methods for calculating Coulomb scattering and bremsstrahlung in analyzing tracks from propane bubble chambers, 22:30862
  - Methods taking account of Coulomb scattering and bremsstrahlung for bubble chamber tracks treatment, 21:8577 (JINR-P10-3021)
  - Notes of (Λeta)*-resonance, 21:33610 (JINR-P1-3351)
  - Ultimate time resolution of the photomultiplier, 25:44723 (IFVE-SEF-70-52)
- KLIMENKO, V. S. Physical properties of hot-pressed tungsten—copper pseudo-alloy, 25:32717
- KLIMENKO, V. V. Self-diffusion of carbon in carbides of Group IV and V transition metals, 25:22151 (LA-tr-71-14)
  - Self-diffusion of carbon in the carbides of IV and V transition group metals, 24:12410
- KLIMENKO, Yu. I. Electron motion in field of plane electromagnetic waves, 21:43761
  - Forced radiation of neutral Fermi-particles moving in planar wave, 25:12160
  - Linear polarization of radiation of charge in motion in arbitrary field, 25:1352
  - Movement and radiation of an electron possessing vacuum moment in the field of planar electromagnetic wave, 23:13014
  - Production of electron—positron pairs upon the collision of a single photon with a plane electromagnetic wave, 23:18847
  - Stimulated emission of radiation by electrons moving in the field of a plane electromagnetic wave, 23:51904
- KLIMENKOV, V. I. Estimation of the radiation resistance of beryllium oxide at various temperatures, 25:30016
  - Hot materials research laboratory of the Institute of Atomic Reactors, 25:51765 (JPRS-53800, pp 4-23)
  - Influence of the energy spectrum of a neutron flux on the size distribution of defect clusters, 25:52897 (JPRS-53800, pp 24-8)
  - Mathematical simulation of radiation damage, 23:48973
  - Mechanism of radiation damage and operating life of structural graphites at high temperatures and neutron fluxes, 25:34439 (JPRS-53069, pp 256-62)
  - Metallic Be behavior in SM-2 reactor, 23:10239 (SRARI-P-20)
  - Metallic Be behavior in SM-2 reactor, 25:16552
  - Method of studying the dynamics of radiation defects in crystals by means of a computer, 22:11499
  - Porosity in irradiated BeO during annealing, 25:52475 (JPRS-53800, pp 280-91)
  - Post-irradiation BeO recovery annealing, 24:4861
  - Radiation damage mechanism and resources of structural graphites at high temperatures and neutron fluxes, 25:47189
  - Radiation damage of various types of artificial graphites, 25:52476 (JPRS-53800, pp 292-306)
  - Radiation resistance of Zr alloys with 1 percent Nb in CM-2 Reactor, 22:45798
  - Study of radiation resistance of BeO at 100°C, 22:41662
- KLIMENKOV, V. N. Properties and behaviour of moderator materials under irradiation, 25:52467 (A/CONF.49/P-452)
- KLIMENKOVA, N. A. Effect of moderator density on reactivity of SM-2 reactor, 22:35639
  - Study of optimum position of horizontal neutron beamholes of SM-2 reactor, 21:38673
- KLIMENT, V. Determination of Co and Se by on-stream activation analysis, 25:10500
  - Determination of nickel and iron in ferrite materials by activation analysis, 22:27606
- KLIMENT, Vladimir Continuous neutron activation analysis, 25:57388
- KLIMENTOV, V. B. Loop channel cells with highly enriched fuel elements, 24:50194
  - Microdistribution of fission density in VVR-M, 25:60172
  - Number of corrections in the method of activation indicators, 22:33652
- KLIMENTOVSKAYA, M. V. Determination of g factors of second excited states $^{11}/_2^-$ of ^{147}Eu and ^{149}Eu by differential angular correlation method in external magnetic field, 25:15016
  - g-factors of the excited states in ^{147}Eu and ^{149}Eu, 24:28808
- KLIMISHIN, I. A. Effective temperature of the shock wave outflowing to the stellar surface, 22:8986
  - Influence of periodic shock waves on the density distribution in the atmosphere of a pulsating star, 23:30216
  - Structure of a shock wave traveling through a stellar atmosphere, 24:46859
- KLIMKE, Peter M. Contribution to the evaluation of test results in the testing of the fire behavior of plastics on a laboratory scale, 25:37186 (GAT-Z-5046)
- KLIMKER, H. Elastic constants and ultrasonic attenuation of V$_3$Ge crystal, 23:48986
  - Low-temperature elasticity and magneto-elasticity of dysprosium single crystals, 24:35569
- KLIMKIEWICZ, Z. Influence of x-rays upon the mitotic activity and DNA synthesis in endometrial glandular epithelium, 25:26659
  - Ribonucleic acid synthesis in endometrial epithelium in mice after whole-body x-ray irradiation, 25:27031
- KLIMKIEWICZ, Zdzislaw Influence of x-rays upon mitotic activity and DNA synthesis in endometrial gland epithelium in mice, 25:21891
- KLIMKIN, V. F. Investigation of the arc in argon at high pressure, 23:51637
- KLIMKOVA, O. A. Low-temperature lithium drift in silicon, 25:11973
  - Radiation-accelerated diffusion of gold in silicon, 25:14420
- KLIMKOVICH, E. A. Benzene-, methane-, and ethanesulfonylbenzamide oximes as reagents for photometric determination of ruthenium(VI), 25:48447
- KLIMO, J. Scintigraphic investigation of the uptake of radioactive mercury in lung tumours, 25:52141
- KLIMONTOVICH, Yu. L. Stationary solutions of the quasilinear approximation equations in a plasma with collisions, 22:3056
  - Statistical theory of inelastic processes in a plasma. I, 21:27164
  - Statistical theory of inelastic processes in plasma. II, 22:20014
  - Statistical theory of non-equilibrium processes in a plasma, 21:37492
- KLIMOV, A. N. Automatic remote-control system for recording gamma radiation, 25:32256
- KLIMOV, N. N. Charged-particle balance equations for the lower ionosphere, 24:12732
  - Determining reaction rate coefficients from ionospheric data, 25:16989
  - Dynamic model of the ionospheric F region, 24:21673
  - Electron temperature anisotropy in lower ionosphere, 25:33131
  - Estimate of the vibrational temperature relaxation time of nitrogen molecules in the ionosphere, 25:16917
  - F1 layer in a nonstationary model, 25:16916
  - Ionization function at minimum solar activity, 25:16983
  - Kinetic parameters of ionization—recombination processes in F$_2$-layer maximum, 22:38889 (N-68-18175)
  - Kinetic parameters of ionization—recombination processes at F2-layer maximum, 22:48014

  - Winds at heights of 150 to 400 km in the atmosphere, 23:10556
- KLIMOV, V. D. Isotope effect in infrared spectrum of SF$_6$, 25:44364
  - Potassium neptunyl tricarbonate, 21:82
- KLIMOV, V. V. Structure and dielectric properties of solid solutions in PbLi/sub 1/3/Nb/sub 1/3/W/sub 1/3/O$_3$—Pb$_2$CdWO$_6$ system, 21:28843
- KLIMOV, Yu. F. Concerning the viscosity of liquid beryllium, 24:1005
  - Viscosity of liquid beryllium, 23:51034 (JPRS-48743)
- KLIMOVA, A. Progress report on ceramic fuel study, 1-12/69, 25:24623 (UJV-2370.M.)
- KLIMOVA, A. I. Hydrogen—deuterium exchange in ortho- and meta-barenes, 21:3035
- KLIMOVA, E. N. Effect of small doses of ^{90}Sr on dogs, 25:24319 (AEC-tr-7195, pp 275-85)
- KLIMOVA, M. Renal changes after direct irradiation of the kidney in man, 21:34692
- KLIMOVA, R. A. Radioprotective effects of β-mercaptoethylamine hydrotartrate, 24:17066
- KLIMOVA, S. P. Influence of certain compounds on radiosensitivity of animals, 22:25863
- KLIMOVA, V. F. Calculation of the natural circulation in the circuit of a water-cooled water-moderated reactor, 24:50106
- KLIMOVICH, V. B. Composition of blood serum of rats after irradiation, 23:24531
- KLIMOVITSKII, V. Ya. Combined effect of spaceflight factors on some functions of the organism, 21:30911
  - Effect of acute x-irradiation on venous circulation in the cerebral vessels of a rabbit, 22:12752 (NASA-TT-F-413, pp 122-9)
  - Effects of space flight on the central nervous system, 25:11298
- KLIMOVSKAYA, L. D. Catecholamine metabolism in the sympathetic ganglion during stimulation of the preganglionic fibers in irradiated animals, 21:8715
  - Neuro-hormonal mechanisms of the reaction to ionizing radiation, 21:18157
- KLIMPIN, A. Ya. Effect of gamma rays on the mangold fly, 24:32317
- KLIMYK, A. U. Certain type of representations of current algebra, 23:51866 (ITF-69-48)
  - Class of representations of current algebra, 24:30475
  - Expansion of direct products of irreducible representation of semisimple Lie algebras into irreducible representations, 21:29573 (NP-16679)
  - Higher-vector representations of semisimple Lie algebras, 23:1657 (ITF-68-2)
  - Recurrent relations for multiplicities of weights and for multiplicities of representations of complex semisimple Lie algebra, 21:25249 (NP-16680)
  - Representations of Gell-Mann—Dashen algebra, 25:9824
  - Semisimple Lie groups and algebras and their representations, 23:30773 (ITF-68-15)
  - Wigner—Eckart theorem for locally compact group, 25:1572 (ITF-70-55)
  - Wigner—Eckart theorem for locally compact groups, 25:53248
- KLINC, T. Neutron temperature measurements in a well moderated reactor, 23:47277
- KLINC, Tomaz Ladislav Transverse propagation of neutron waves, 25:9961
- KLINCK, R. E. ESR of single crystals of succinic acid γ irradiated at 195°K, 23:4669
- KLINDT, K. K. Evaluation of discontinuities in HSST twelve inch-thick plate, 24:14213
  - Fabrication of rebuilt BONUS reactor superheater fuel assembly, 21:31946 (ORNL-4072)
  - HFIR homogeneity scanner, production model, operating and maintenance manual, 21:12696 (ORNL-TM-1687)
  - Ultrasonic flaw detection in small diameter metal tubing, 21:43210
- KLINE, A. Burt Jr. Dosimetric evaluation of thirty dental facilities, 24:14504
- KLINE, D. E. Behavior of pyrolytic carbon following reactor irradiation at 77°K, 23:36274
  - Carbonization or irradiated polyvinyl chloride, 23:7564
  - Density-dose behavior of irradiated polytetrafluoroethylene, 21:21996
  - Dynamic mechanical behavior of a polyimide, 22:25430
  - Dynamic mechanical behavior of graphites, 22:43667
  - Dynamic mechanical behavior of stress-graphitized and boron-doped pyrolytic carbon, 23:12419
  - Effect of γ radiation on the thermal conductivity of polypropylene, 22:4208
  - Effect of low-dose reactor radiation on the dynamic mechanical behavior of pyrolytic graphite, 21:22938
  - Perfection in stress-recrystallized pyrolytic carbon, 24:19506
  - Prog. rpt. on research on graphite, 4/66-3/67, 21:13239 (NYO-1710-66)
  - Prog. rpt. on research on graphite, annual, 4/67—3/68, 22:11022 (NYO-1710-71)
  - Prog. rpt. on research on graphite, 12/20/68, 23:12387 (NYO-1710-80)
  - Prog. rpt. on research on graphite, 4/70—3/71, 25:16559 (NYO-1710-100)
  - Prog. rpt. on thermal conductivity studies of high polymers, final, 1966, 21:35989 (N-67-18125)
  - Thermoelectric power and internal friction of some graphitic carbons, 23:14420
- KLINE, Donald E. Radiation effects in polystyrene, 21:17686
- KLINE, F. J. Particle track enhancement in cellulose nitrate by application of an electric field, 24:4432
- KLINE, J. R. Amounts of fallout radionuclides in tropical forests, 25:21549 (TID-24270, pp H.181-6)
  - Effect of gamma radiation on leaching of ^{137}Cs and ^{54}Mn from tropical forest foliage and litter, 25:21638 (TID-24270, pp H.187-9)
  - Instrumental analysis for trace elements present in Chicago area surface air, 24:31505
  - Instrumental analysis of neutron irradiated soils, 23:28748
  - Instrumental analysis of neutron-irradiated soils, 24:11495
  - Lanthanum and Sc distribution in three glacial soils, 23:28749
  - Measurement of transpiration in tropical trees with tritiated water, 25:15997
  - Radioecological studies of tritium movement in a tropical rain forest, 24:41491 (CONF-700101-(Vol.1), pp 422-38)
  - Radionuclide cycling in understory plants in the rain forest, 25:21552 (TID-24270, pp H.205-9)
  - Retention of fallout radionuclides by tropical forest vegetation, 25:21550 (TID-24270, pp H.191-7)
  - Transpiration measurement in pines using tritiated water as a tracer, 25:41688 (CONF-710501-21)
  - Tritium movement in soil of a tropical rain forest, 25:21637 (TID-24270, pp H.129-31)
  - Tritium: discrimination and concentration in fresh water microcosms, 25:41691 (CONF-710501-26)
  - Use of neutron activation analysis to determine biological availability of copper in soils and for nondestructive analysis of soils, 21:12324
- KLINE, Jerry R. Mathematical model of tritiated and stable water movement in an old-field ecosystem, 25:41690 (CONF-710501-25)
  - Predicting tritium movement through a tropical rain forest, 23:28997 (TID-24933)
  - Prog. rpt. on Rain Forest Project, annual, 1967, 22:47496 (PRNC-103)
  - Prog. rpt. on rain forest, annual, 6/1/68, 22:49282 (PRNC-119)
  - Radionuclide behavior and distribution in tropical forests, 21:41010 (BMI-171-001)
  - Tritium movement in an old-field ecosystem determined experimentally, 25:41687 (CONF-710501-20)
- KLINE, Joyce C. High-dose radiotherapy for carcinoma, 23:50918
  - Radiation dosage and complications in cervical cancer therapy, 23:45938
- KLINE, Laurence Earl Computer simulation of electrical breakdown in gases, 25:59004
- KLINE, R. Hinkley point B: reactor core and internal shields, 22:46969
- KLINE, R. V. Hodoscope/spectrometer for high-energy photons, 24:48316 (CALT-68-255)
- KLINE, Robert Allen Inhibiting corrosion of graphite, 24:47838
  - Nuclear reactor cores, 22:3873
- KLING, A. Authorization process for KWO, 23:15593
- KLING, C. L. Cavitation threshold observations in water at 14.5 kHz, 23:45464 (NP-17971)
- KLING, Charles L. Reactor protection system diversity, 25:28697 (CENPD-11)
- KLING, H.-G. Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. I, 21:7044 (BMwF-FBK-66-28(Pt.1))
- KLING, Harry P. Process for fabricating nuclear reactor fuel elements, 23:19598
- KLING, M. G. Velocity profiles of an MPD arcjet, 24:19873
- KLINGBERG, F. Effect of x irradiation on postnatal development of rats, 22:51892
- KLINGBERG, R. A. Cross sections for positive-ion and electron production in collisions of 1 to 25-keV hydrogen atoms with atomic and molecular gases, 24:37261
- KLINGELHOEFER, R. Calculations of neutron emission of D—T plasma produced by high-pinch discharge, 24:8486
  - Electrical discharges in beams of condensed matter in high vacuum, 21:9301
  - Interaction of beams of condensed molecules with solid surfaces, 23:36467 (ORNL-tr-2184)
  - Ion density from Stark broadening of H/sub β/, 25:3068
  - Spectroscopic investigations on electric discharges in beams of condensed hydrogen, 21:27109
- KLINGEMAN, Peter C. Transport of radionuclides with suspended sediment in estuarine systems, 22:4272 (TID-24140)
- KLINGEN, T. J. Investigation of gamma-ray induced polymer formation in the carboranes. I, 24:46260
  - Radiolysis of o-carborane in benzene solution, 24:9350
- KLINGEN, Theodeore J. Prog. rpt. on investigation of gamma-ray induced polymer formation of the carboranes, 11/70, 25:141 (ORO-3781-7)
- KLINGEN, Theodore J. Prog. rpt. on gamma-ray induced polymer formation of the carboranes, annual, 12/1/69, 24:2213 (ORO-3781-6)
  - Prog. rpt. on γ-ray induced polymer formation in carboranes, 3—11/68, 23:9423 (ORO-3781-2)
- KLINGENBERG, H. Arc phenomena and gasdynamic effects due to interaction of shock waves with magnetic fields, 23:10628 (IPP-3/78)
  - Construction of a Mach—Zehnder interferometer from nonmagnetic material, 24:4505 (IPP-3/89)
  - Diagnostic method for measuring ionization rates in shock heated gases, 22:29299
  - Interaction of shock waves with magnetic fields, 23:16801
  - Interaction of shock waves with magnetic fields. II, 23:32375
  - Interaction of shock waves with magnetic fields, 24:8455
  - Interaction of shock waves with stationary magnetic fields, 21:11621 (IPP-3/45)
  - Matching transitions between waveguides and Lecher wires in 3cm region, 21:35147 (IPP-3/53)
- KLINGER, E. Investigations by emission spectrography on plankton samples of known biological composition, 21:10250 (EUR-2771.d)
- KLINGER, M. I. Quantum theory of nonstationary conductivity of polarons in some unordered systems, 25:7496
- KLINGER, W. Analyzing power of the reaction ^{3}He(d,p)^{4}He, 25:31197
  - Atomic beam method for producing a polarized He^{3+} beam, 21:21349
  - Determination of polarization of polarized ^{3}He gas target, 25:53483
  - Effect of barbital on mortality of irradiated mice, 21:43448
  - Investigation of ^{3}He(d,p)^{4}He reaction with vector polarized deuterons between 2 and 13 MeV, 25:53569
  - Lifetime and g-factor of 181 keV level in ^{78}Br, 25:48054
  - Studies on the mechanism of enzyme induction in rats and mice. VIII, 21:22658
- KLINGLER, E. Influence of velocity on the wear of carbide and oxide sintered materials, 24:27850
- KLINGLER, L. J. Jr. Dispersion-strengthened nickel base alloys, 23:30149
- KLINGLER, W. B. LOFT instrument development support program, 23:28520 (IDO-17258-G)
- KLINGLESMITH, D. A. Atmosphere of the H-deficient star sigma Orionis E, 24:15010
  - Nonlinear limb darkening for early-type stars, 24:19560
- KLINGLESMITH, Daniel Atmosphere of the He—C star BD + 10°2179, 23:44048
- KLINGLESMITH, Daniel A. Carbon content of the He star BD + 10°2179, 22:26140
- KLINGMUELLER, Walter Actidione-resistant mutants in Neurospora crassa, 24:46603
  - Modification of radiation damage and electron spin resonance measurements in V. faba seeds, 21:20085
- KLINGSPORN, P. E. Reference electrode and its use in determining individual electrode potentials, 25:51262 (BDX-613-412)
- KLINISKII, G. D. Mass-spectrometric analysis of isotopic composition of some transition elements, 25:31799
- KLINK, R. Placentography: comparative investigations in nuclear medicine, 25:13517
- KLINK, William H. Clebsch—Gordan coefficients and functions over cosets, 23:46760
  - Mixed-basis D functions and Clebsch—Gordan coefficients of noncompact groups, 25:7694
  - Model-independent analysis of nonrelativistic multiparticle reactions, 24:28463
  - Multiplicity problem for compact subgroups of noncompact groups, 23:1658
  - n-particle kinematics and generalized partial-wave analysis, 23:5712
  - Reduction of n-fold tensor product representations of noncompact groups, 23:5647
  - Symmetries imposed on two-particle systems. I, 23:36965
  - Symmetries imposed on two-particle systems. II, 23:36966
  - Symmetries imposed on two-particle systems. III, 25:9818
  - Unitary representations of the Poincare group, 23:27833
- KLINKENBERG, P. F. A. Electric quadrupole moment of ^{159}Tb, 24:1850
  - Ground state of the terbium atom, 25:16770
  - Hyperfine structure in Tb II and nuclear moments of ^{159}Tb, 24:21554
  - Optical isotope shifts and nuclear deformation in dysprosium, 23:51383
  - Structure of spectrum of neutral terbium, Tb I. II, 21:14986
  - Structure of spectrum of neutral terbium, Tb I. IV, 23:16658
  - Structure of spectrum of Tb I. V, 23:41943
- KLINMAN, Judith P. Mechanism of the aconitate isomerase reaction, 25:46485
  - Stereochemistry of the interconversions of citrate and acetate catalyzed by citrate synthase, adenosine triphosphate citrate lyase, and citrate lyase, 25:46486
- KLINMAN, Judith Pollock Solvolysis mechanisms, 22:40071
- KLINOV, A. V. Integral, fast-neutron fluxes in the irradiation facilities of the SM-2 reactor, 24:13606
  - Measurement of certain characteristics of neutron fluxes in experimental arrangements of SM-2 reactor by reference to gold activation, 25:23354
  - Study of optimum position of horizontal neutron beamholes of SM-2 reactor, 21:38673
- KLINOV, I. Ia. New corrosion-resistant zirconium—tantalum alloys, 24:34845 (LA-4413-TR)
- KLINOV, I. Ya. New corrosion resistant materials for hydrochloric acid solutions, 24:39608
  - New corrosion-resistant Zr—Ta alloys, 23:10170
- KLINOV, V. V. Behavior of Ra daughter products in air, 22:51105
  - Wall influence on free RaA and RaB atom distribution in a closed volume of air, 22:51106
- KLINOVSKAYA, T. V. Effect of the diluent on the partition coefficient and the single-stage separation factor in the extraction of rubidium and cesium salts by phenol, 25:34701
- KLINSHPONT, E. R. Decay of the peroxide radicals in polymers under the action of ionizing radiation, 24:13961
  - EPR method for investigation of sulfur reactions with rubber during radiolysis followed by light illumination, 21:38967
  - Investigation of irradiated polymers by optical spectroscopy and electron paramagnetic resonance. I, 23:28892
  - Photoinduced conversions of free radicals in polymers. I, 23:28891
  - Structure of free radicals in γ-irradiated polypropylene, 24:33740
- KLINSKII, G. D. Separation of iron isotopes by chromatography, 24:41411
- KLINSON, N. A. Effect of free radicals of water and organic substances on yeast cells, 22:25738
- KLINTSOV, Yu. S. Study of high-energy electrons, 21:31263
- KLIORE, Arvydas Atmosphere and ionosphere of Venus from the Mariner V S-band radio occultation measurement, 22:8864
- KLIPFEL, L. Separation of rare earths. XIV, 24:39012
  - Solubility systems with Zn and rare earth metal nitrates, 24:38812

- KLIPPEL, H. Th. Control rod calculations for steam cooled fast breeder reactor D-1, 22:53274 (EURFNR-544)
  - Measurements and calculations on thermal, Argonaut type, cores in STEK-facility at Petten, 25:6093 (RCN-118)
- KLIPPENSTEIN, E. Effects of nuclear radiation as part of the temperature—vacuum—power environment, 22:12729
- KLIPPERT, T. High current pulsed electron source: Van de Graaff, 21:7613
  - Nanosecond pulse radiolysis studies of the reaction of ions in cyclohexane solutions, 22:21129
- KLIPPING, G. Continuous cooling between 1 and 293°K, 24:47155
- KLIPPING, Gustav Conference on low-temperature refrigeration for microwave systems, Frankfurt a.M., West Germany, 4/28—29/1966, 22:15501
- KLIR, P. Effect of ellagic acid on haemorrhage in irradiated rats, 25:24415
- KLISHOV, A. A. Influence of cystamine on posttraumatic regeneration of irradiated muscles, 22:47567
  - Radiation effects on embryohistogenesis of somatic musculature in mice, 21:34789
- KLISS, Robert M. Polypeptide synthesis from ammonia and methane using high energy radiation, 25:46505
- KLISSURSKI, D. G. Correlation between the catalytic activity of metal oxides with respect to isotopic exchange in molecular oxygen and their heat of formation, 24:48071
- KLITGAARD, J. Two solvent extraction devices developed in U. S, 22:40180 (KR-126, pp 415-24)
- KLITSUNOVA, N. V. Production by Actinomycetes of biologically active substances with a protective effect, 21:22640
  - Radioprotective effect of marinamycin-like antibiotic on tumor cells, 21:22526
- KLITYINA, R. G. New ^{113}Cd—/sup 115m/In medical isotopic generator, 21:32702
- KLIWER, J. K. Static quadrupole interaction of ^{44}Sc in barium titanate, 22:41981
- KLIYA, M. O. Deposition of crystalline substance on walls of liquid inclusion, 22:7981 (WAPD-Trans-80)
- KLIZUNOVA, N. V. DNA repair and induction of mutants with altered DNA base composition, 23:6422
- KLJACKO, V. A. Large nuclear power plants for simultaneous generation and desalting, 23:11120 (KFK-tr-275)
- KLJUKIN, Leonid Petrovich Piezoelectric charging device, 23:50187
- KLOBE, W. D. Conditions affecting cesium fixation and sodium entrapment in hydrobiotite and vermiculite, 25:6316
  - Conditions affecting Cs and Na fixation in hydrobiotite and vermiculite, 25:15728 (ORO-678, pp 102-13)
  - Fixation and C-axis spacings, 24:13693 (ORO-672, pp 127-41)
- KLOBUCHAR, J. A. Comparison of changes in total electron content along three paths, 24:37382
  - Electron content latitude dependence March 1966 period, 23:5287
  - Ionospheric storm of March 8, 1970, 25:55974
  - Ionospheric storms at midlatitudes, 24:45115
  - Middle-latitude ionospheric total electron content: summer 1965, 21:2100
  - Midlatitude nighttime total electron content behavior, 23:5313
  - Seasonal effect in the mid-latitude slab thickness variations during magnetic disturbances, 24:5065
  - Simultaneous storm-time increases of ionospheric electron content and geomagnetic field in dusk sector, 25:35956
- KLOBUCHAR, John A. Acoustic waves in the ionosphere, 23:27469
  - Comparison of ionospheric electron content observations at different stations, 22:52634
  - First-order prediction model of total-electron-content group path delay for midlatitude ionosphere, 25:16880 (AD-711365)
- KLOBUKOWSKI, Christopher J. Influence of certain radioprotective chemicals on the mouse's response to tourniquet injury, 24:41912
- KLOCHIKHIN, A. A. Lattice constant and volume expansion factor dependence on isotope composition, 24:25050
- KLOCHKO, G. A. Loop channel with natural coolant circulation for fuel-element tests, 25:39622 (LB/G-3021)
- KLOCHKOV, E. P. Methodological problems of testing fuel elements in loop channels of SM-2 and MIR reactors, 25:34403 (JPRS-53069, pp 176-87)
  - Power control for loop assemblies in MIR reactor, 25:39302 (LB/G-3015)
- KLOCHKOV, N. I. An injector of fast hydrogen atoms, 21:27119 (UCRL-Trans-1262)
- KLOCKOW, D. Carrier-free separation of rhenium isotopes, 22:47207
  - Kinetic determination of molybdenum using a potentiostat, 23:34987
  - Radiochemical separation by means of the ring-oven method. I, 21:15981
  - Radiochemical separation by the ring oven technique. III, 22:37844
  - Radiochemical separation with help of ring oven method. VI, 24:46315
  - Radiochemical separations by ring-oven technique. IV, 23:40831
  - Radiochemical separations using ring oven method. II, 21:39020
  - Radiochemical separations. V, 24:7489
  - Ring-oven technique as applied to radiochemical problems, 22:14572
  - Semiquantitative autoradiographic determination of ^{14}C activity in pC range, 21:23836
  - Separation of radionuclides by zones of inorganic ion exchangers on filter-paper strips, 23:26336
  - Substoichiometric isotope dilution analysis in the microgram and submicrogram ranges by precipitation reactions on filter paper, 23:13652
  - Volumetric analysis and catalysis. VI, 24:25005
- KLODY, G. M. Inelastic scattering of 14.4-MeV protons by even isotopes of Ti, 24:15849
- KLOECKNER, J. Isomer shift and quadrupole splitting in ^{191}Ir and ^{193}Ir, 21:44720
  - Level scheme of ^{196}Au, 24:43336
- KLOECKNER, W. Contribution to safeguards studies in fabrication plants, 25:21295
  - Natural circulation loops for gas-cooled fuel elements, 22:42373
- KLOEPFER, Harry Process for the production of hydrides of Ti, Zr, and Th, 22:33365
- KLOEPPEL, P. Proton—proton triple scattering at 430 MeV, 22:34843
  - Spark chamber—computer system for measurement of proton polarization, 21:39228
- KLOEPPER, D. Laser welding structural alloys and parts, 24:12384
- KLOEPPER, H. Hydrodynamic stimulation of vibrations and their stabilization in the core of the Grenoble high flux reactor, 25:3909
  - Thermohydraulic displays of reflector space in the Grenoble high flux reactor, 25:3910
- KLOEPPER, H. C. Jr. Electron metallography of U, 21:1950 (MCW-1501)
- KLOES, H. Investigation of fresh fallout samples with Ge(Li) semiconductor counters, 21:4473
- KLOESS, Raymond Henry Jr. Quantum model of irreversible processes, 21:46455
- KLOET, W. H. Derivation of Gell-Mann's c parameter, 23:44698
- KLOET, W. M. Pade method for the phase equation with singular potentials, 24:52218
  - Superconvergence relations in $\gamma N \to \pi\Delta(1236)$, 24:52030
  - Weinberg algebraic relations for pion processes, 24:28540
- KLOFAC, Josef Vacuum distillation of cadmium, 23:24816
- KLOFT, W. Interrelationships between aphids and host-plants, 24:31827
  - Use of tritiated water (THO) for continuous registration of insect transpiration, 21:45555
- KLOFUTAR, C. Extraction of some lanthanides with various phosphoric acid esters, 21:17731
  - Organic oxides as extractants for metal anions, 22:6413
  - Spectrophotometric determination of Re in presence of Mo and W, 23:40549
- KLOHCAREV, A. R. Preparation of thin films of V, Nb, and Ta for nuclear investigations, 23:20483 (ORNL-tr-2108)
- KLOKH, Ya. L. Liquid scintillating detectors of large size, 21:29073
- KLOKMAN, V. R. Coprecipitation of radioactive isotopes with isomorphous and nonisomorphous carriers from fused salts, 22:10346
  - Determination of the distribution coefficient of radium and of its isotope thx between fused and crystalline calcium nitrate, 23:28771 (AD-682879)
- KLOKOVA, T. F. Logarithmic amplifier in the control system of a nuclear reactor, 21:31981
- KLONOWSKI, S. Laryngeal carcinoma: surgical treatment and radiotherapy, 22:36385
- KLONOWSKI, Stanislaw Postirradiation reactions in patients treated with x-rays, 21:22529
- KLONTZ, E. E. Bombardment-produced defects in p-type germanium at low temperatures, 22:17732
  - Defects induced by electron irradiation of p-type germanium, 25:56302
  - Effects of defect charge state on radiation damage in semiconductors, 22:36992
  - Radiation annealing in degenerate n-type silicon, 22:36996
  - Review of radiation effects in germanium, 25:56303
  - Studies of radiation damage in degenerate silicon irradiated at low temperatures, 23:22691
- KLOOS, E. J. Performance of open-circuit self-contained breathing apparatus at -25° F, 22:16349 (BM-RI-7077)
- KLOOS, T. Dispersion of surface plasma losses of clean and oxidized aluminium surfaces, 22:7304
  - Energy loss spectra of electrons in aluminium and potassium, 22:17394
- KLOPCIC, J. T. Cross-section and polarization measurements for the ^{3}H(^{3}He,n)^{5}Li reaction, 25:43796
  - Polarization of neutrons from ^{3}H(^{3}He,n)^{5}Li reaction, 25:53581
- KLOPFENSTEIN, K. A. Influence of splenectomy on the peripheral blood response and survival of animals subjected to whole-body x irradiation, 25:21828 (AD-416196)
- KLOPFER, A. Interactions of electrons with adsorbed water, 22:11015
- KLOPFER, E. 5 MeV electrostatic ion accelerator, 25:50283
- KLOPFER, Ervin Electromagnetically operated gas valve for ion source of pressurized Van de Graaff generator, 22:11764
  - Electromechanical switch for the remote control of high voltage equipment, 22:11765
- KLOPFER, Oskar E. Radiation curable polyvinyl chloride composition containing triallyl isocyanurate, 25:18437
- KLOPOVA, Zh. G. Use of sodium butyldithiocarbaminate in the spectrophotometric determination of niobium, 25:4017
- KLOPOVSKII, K. S. Cyclotron instability in a plasma cylinder, 25:3124
  - Cyclotron oscillations in an inhomogeneous magnetic field, 25:17248
- KLOPP, David A. Prediction of neutron induced activation. II, 22:35666 (N-68-10023)
- KLOPP, W. D. [Superplasticity in W—Re alloy], 24:25693
  - Ductility and strength of dilute tungsten—rhenium alloys, 23:48419
  - Mechanical properties of a W—23.4 percent Re—0.27 percent Hf—C alloy, 25:52327
  - Solid solution and carbide strengthened arc-melted tungsten alloys, 23:48417
  - Superplasticity in tungsten—rhenium alloys, 23:987 (N-68-30605)
  - Superplasticity in tungsten—rhenium alloys, 23:18233
- KLOPP, William D. Coatings for nitridation/oxidation protection of Cr alloys, 23:48343
  - Long-time creep behavior of tantalum—10 tungsten in high vacuum, 25:27207 (N-70-42045)
  - Mechanical properties of a W—23.4-percent Re—0.27-percent Hf—C alloy, 25:55433 (N-71-23982)
  - Mechanical properties of arc-melted tungsten—rhenium—hafnium—carbon alloys, 23:48387 (N-69-31977)
- KLOPPENBORG, P. W. C. Suppressibility of thyroid function during treatment, 24:25373
- KLOPPENBURG, J. Energy loss measurements for protons and deuterons in energy range 100 to 900 keV, 21:3648
- KLOPPENBURG, Juergen Decay of /sup 199m/Hg, 23:40037
- KLOPPER, J. F. Visualization of the human spleen with /sup 99m/Tc-labeled red blood cells, 25:42235
- KLOROVSKII, K. S. Relativistic charge radiation in electromagnetic field of the planar wave, 22:5688
- KLOS, I. Plastic surgical repair of x-ray ulcers, 23:50908
- KLOSE, A. H. Detection of leaks in inaccessible areas of the boiling-water-reactor nuclear power plant, 22:16127 (CONF-671011-, pp 228-37)
- KLOSE, Jules Z. Atomic lifetime measurements with pulsed electron beams, 23:16647
  - Mean lives and absolute f-values in neutral iron, 25:30168
- KLOSE, K. Disc to determine detonation force, 22:30741
  - Low-yield nuclear weapons, 22:23188
- KLOSE, M. Analysis comparisons of thermal and surface waters, 25:54409
  - Mass-spectrographic analysis of powdered thermal water residues, 25:51369
- KLOSE, S. Therapy of hemorrhagic diatheses following tumor treatment, 23:5041
- KLOSE, W. Determination of thermal spectrum of SUR 100 BE with neutron chopper, 23:26093 (TUBIK-10)
  - Some applications of superconductivity, 21:7131 (CERN-66-32)
  - Superconductivity in $SrTiO_3$, 22:24222
  - T/sub c/ in two-zone superconductors with non-magnetic impurities, 25:40544
  - Theory of lattice softening and spin susceptibility in A 15 compounds, 25:56344
  - Theory of type-II superconductivity: Ginzburg—Landau—Abrikosov—Gorkov theory, 23:20842
  - Theory of ultrasonic attenuation in V_3Si, 25:19604
  - Transition temperature of superconductors, 25:3023
- KLOSINSKI, J. Angular distributions of secondaries produced in high energy proton—proton interactions, 24:20182
  - Determination of the X^0(960) meson spin—parity in the polarization experiment, 25:14720
  - Determination of X^0(960) meson spin-parity in polarization experiment, 25:5361 (TPJU-14/70)
  - Spin—parity of X^0 (960) meson, 24:33012
  - Spin-parity of the X^0 (960) meson, 24:24314
- KLOSOVA, E. Mechanisms of hydrogen formation in the radiolysis of gaseous CH_3OH and CD_3OH, 25:34665
- KLOST, W. Generation and safe application of laser beams, 23:35917
- KLOSTERBOER, D. H. Mercury photosensitized reactions of solid ethylene at 24°K, 25:51344 (TID-25778)
- KLOSTERKOETTER, W. Radiological detection of dust deposited in lungs, 24:6076
- KLOSTERMANN, G. F. Relation between dose and various late x-ray symptoms of the skin, 23:20406
- KLOSTERMEYER, J. Gravity waves in the F region, 23:12658
  - Interaction between neutral gas and ionization in F region during passage of gravity waves, 24:47114
- KLOTS, C. E. Energy deposition mechanisms, 23:13753
- KLOTS, Cornelius E. Aspects of degradation spectra, 25:36258
  - Energy-loss rates of slow electrons in hydrocarbons, 24:38967
  - Energy-partition parameters in radiation studies involving rare gases, 21:31218
  - Ion loss by diffusion in the radiolysis of gases, 21:12467
  - Statistical aspects of autoionization lifetimes, 21:12470
- KLOTZ, A. H. Hermitian symmetry in Einstein's field theory, 24:52173
  - Meson field potential in fundamental theory, 25:25415
  - Mesotrons of Eddington, 23:46801
  - Rainich's already unified field theory, 23:3790
  - Rainich's theory, 24:52203
  - Spherically symmetric, charged body in Rainich's already unified field theory, 25:937
  - Time-dependent perturbation of a relativistic light source, 25:32895
  - Time-dependent theory of an electrostatic probe, 24:15278
  - Two early unified field theories, 24:26511
- KLOTZ, A. S. Positron annihilation in neon isoelectronic series, diamond and solid iodine, 23:12529
- KLOTZ, Charles E. Hydraulic holddown for nuclear reactor fuel assembly, 23:9161
  - Nuclear reactor, 21:19436
- KLOTZ, Dietmar Point dilution methods of investigating ground water flow by means of radioisotopes, 22:23140
  - Use of radioactive isotopes in hydrology. VI, 21:41006
  - Using radioactive isotopes in hydrology. VII, 24:2307
- KLOTZ, Frederick S. Study of general relativity in canonical form, 25:59592
- KLOTZ, G. Electromagnetic transitions in ^{37}Cl, 25:20317
  - Study of (n,n'γ) reactions with Ge(Li) detectors, 23:47798
- KLOTZ, H. G. Antibody behavior after radioiodine therapy, 21:11099

KLOTZ, H. P. Late result of a case of Cushing's syndrome of central origin treated by intrahypophysial radioactive gold, 21:18084
KLOTZ, H.-D. Dissociation ion current maxima by the lateral extraction of negative ions from a layered oxygen plasma, 21:3863
KLOTZ, Irving M. Deuterium—hydrogen exchange in a cis-lactam amide group, 21:4519
  Molecular aspects of hydrogen—deuterium exchange in macromolecules, 23:21707
KLOTZ, Marvin R. Logarithmic distribution coefficients of rare earth compounds fractionally precipitated from homogeneous solution, 22:8054
KLOTZ, Morton A. Radiation-cured castable elastomeric polyurethanes and polythioethers, 23:40704
KLOTZ, Paul Mixed-metal complexes between In(III) and U(VI) with malic, citric, and tartaric acids, 25:2206
  Thorium fluoride complexes. Determination of the stability constants using the fluoride ion activity electrode, 25:26268
KLOTZKIN, G. Reactivity effect of replacing a water reflector with lead, 23:37621
  Reactivity effect of replacing a water reflector with lead, 25:39240
KLOUWEN, H. M. Biochemical radiosensitivity of lymphoid tumors, 21:17970
KLOVNING, A. Diffraction-like structure in elastic proton—proton scattering at large momentum transfers, 22:32055
  Discontinuous behavior in large angle proton—proton elastic scattering at high energies, 21:37679
  Inelastic proton—proton and electron—proton scattering, 25:7541
  Search for long-lived heavy particles in cosmic-ray events at energies above several thousand GeV, 22:17862
  Separation of single and double scattering in proton—deuteron collisions at 19.2 GeV/c, 24:10670
  Structure in the angular distribution of proton—proton scattering at large momentum transfers, 22:39249 (CERN-68-7(Vol.1), pp 580-94)
KLOZAR, M. F. Thermal-neutron radiography with ^{252}Cf and other small sources, 24:5839
KLOZAR, Melvin F. Your own personal neutron radiography set, 24:7604
KLOZENBERG, J. P. Dispersion and attenuation of helicon waves in a cylindrical plasma-filled wave-guide, 23:12918
  Flux content and form of the geomagnetic tail, 25:35991
  New derivation of quasi-linear theory, 25:19738
  Nonlinear plasma waves, 25:9526
  Reply to comment on negative diffusion in coefficients in quasi-linear theory, 25:27713
KLUBNIKIN, V. S. Measurements of rate of plasma flow by a full thrust tube, 24:21766
  Plasma jet of high-frequency Ar torch, 21:44037
KLUCIS, E. Molecular size of mammalian DNA, 24:31840 (ORNL-4558, pp 29-32)
KLUEBER, O. Investigations on current density distribution of an arc in a magnetic field, 24:8467
  Limiting the radial expansion of arc current by an axial magnetic field. I, 25:14267
  Pressure build-up of a stationary, magnetically stabilized He discharge by magnetic measurements, 21:18664 (IPP-3/48)
  Pressure rise in a plasma due to the Nernst effect. 21:20969
  Status report on Garching Tokamak experiment Pulsator, 25:30584 (EUR-4593, pp 411-17)
KLUEBER, Otto Pressure buildup in stationary magnetic-field-stabilized He discharge, 22:5342
KLUEH, R. L. Determination of O in liquid alkali metals by Zr gettering, 25:54418
  Effect of chromium in vanadium on the interaction with oxygen in sodium, 25:40000
  Effect of O on compatibility of Nb with K, 24:2888
  Effect of oxygen in sodium on the compatibility of sodium with niobium, 23:45236 (ANL-7520(Pt.1), pp 171-6)
  Effect of oxygen in sodium on vanadium and vanadium alloys, 25:6835
  Effect of oxygen on niobium—sodium compatibility, 25:55386
  Effect of oxygen on the compatibility of tantalum and potassium, 24:32431
  Effects of liquid and vapor cesium on structural materials, 21:30960 (ORNL-TM-1813)
  Interactions in alkali metal solutions containing oxygen. I, 23:15835 (ORNL-TM-2476)
  Oxidation of vanadium and vanadium alloys in sodium, 24:21340 (ORNL-TM-2827)
  Penetration of refractory metals by alkali metals, 24:23430 (ORNL-TM-2836)
  Penetration of refractory metals by alkali metals, 25:2707
KLUEPPEL, H.-J. Lattice vibrational spectra. VIII, 25:51454
KLUETSCH, Karl ECG of the rat after high-dosage ^{60}Co irradiation, 22:45664
  Electrocardiographic changes after irradiation of heart region, 23:43883
KLUG, E. E. Radiosensitivity studies with woody plants. II. Survival data for 13 species irradiated chronically for up to 8 years, 25:6816
KLUG, E. Eric Woody plants: changes in survival in response to long-term (8 years) chronic gamma irradiation, 24:48738
KLUG, H. Electron microscopy detection of cellular lesions due to radiation, 21:14714
  Fine structure of the radiation reaction in adrenal cortical cells after a single dose of x rays, 22:45395
  Structural changes of the rabbit retina following x irradiation, 23:2948
KLUG, O. Determination of small quantities of molybdenum in metallic vanadium and vanadates, 23:26168
KLUG, Otto N. Determination of small amounts of molybdenum in vanadium metal and in vanadates, 22:22939
KLUG, W. Diffusion experiments from an elevated continuous point source, 22:6481 (BMwF-FBK-67-73)
KLUGE, A. Decay of ^{131}Cs, 23:32939
  Decay of ^{131}Cs, 24:43396
  Electromagnetic properties of the K = 1/2 rotational band in ^{169}Tm, 23:11022
  K-shell particle parameter of 122-keV transition in ^{152}Sm, 24:3931
KLUGE, E. Interaction anti KN from 800 to 1200 MeV/c. III, 24:5256
  Separation of pure ^{223}F from ^{227}Ac on separation column, 21:25912
  Study of decay $\Lambda(1520) \rightarrow \Sigma(1385)\pi$, 25:22693
KLUGE, F. G. Theoretical treatment of conceivable severe accidents with fast breeder reactors in scope of Bethe—Tait models, 24:29037 (KFK-1057)
  Theoretical treatment of conceivable serious accidents at fast breeder reactors in the context of Bethe—Tait method, 24:47879 (EURFNR-748)
KLUGE, G. Effect of a deformed central potential on the giant resonance in ^{16}O, 21:2624
  Positive parity states in ^{16}O, 23:40113
KLUGE, Gy. Angular distribution of gamma rays from the fission of ^{232}Th, ^{233}U, ^{235}U, and ^{238}U induced by 14 MeV neutrons, 24:22155
  Average characteristics of prompt neutron emission from fission, 24:6891
  Average number and energy of prompt neutrons from fission, 22:35392
  Fission neutron spectrum from 0.01 to 1.0 MeV, 25:15108
  Gamma rays from fission of ^{235}U by 14-MeV neutrons, 24:30795
  Remarks on the existence of retarded neutrons in fission, 25:56741 (KFKI-71-35)
  Survey of measurements of the fission neutron spectrum of ^{252}Cf, 25:36728 (KFKI-71-9)
  Ternary fission of ^{235}U and ^{238}U, 24:49910
KLUGE, Gyula Angular and energy distribution of neutrons from ^{235}U fission, 21:19276
  Angular distribution of gamma rays from fission of ^{235}U induced by 14-MeV neutrons, 22:46810
  Average energy of prompt neutrons in spontaneous fission of ^{252}Cf and thermal neutron-induced fission of ^{235}U, 22:32652
  Energy and charge distribution in the thermal neutron-induced fission of ^{235}U and the spontaneous fission of ^{252}Cf, 22:18339
  Energy dependence of angular distribution of fission gamma rays from ^{235}U irradiated by thermal neutrons, 22:11960
KLUGE, H. ^{43}Sc states with proton transfer reactions on ^{42}Ca, 25:17785
  Neutron spectrum of Be(α,n) source above 1 MeV, 24:35806
  Spectral distribution of neutron flux in energy range from 1.5 to 8.0 MeV in tangential beam tube S 2 of Braunschweig Research and Testing Reactor, 24:11264 (FMRB-26/69)
  Spectroscopy of ^{93} ^{95}Tc, 25:56766
KLUGE, H. J. Optical pumping of neutron deficient ^{187}Hg, 25:53758
KLUGE, Hans Production of heavy water, 25:48750
KLUGE, K. High-temperature measurement, 22:3021
  Quadratic Stark effect constants, 22:26204
  Quadratic stark effect constants, 22:7136
  Variation of the ration F distant/close collisions in a spark plasma, 23:32351
KLUGE, Trond Pericardial absorption of ThO$_2$ in rats. I, 22:51317
  Pericardial absorption of ThO$_2$ in rats. III, 23:6389
  Pericardial absorption of thorium dioxide in rats. II, 22:51318
  Thorotrast in reticuloendothelial system, 23:26672
KLUGE, W. Break-up reaction $p + d \rightarrow p + p + n$, 24:37636
  Experimental investigation of the final-state interaction in the reaction H(d,2p)n at 50 MeV, 21:33877
  Experimental investigations of reactions H(d,2p)n and D(d,dp)n with 50 MeV deuterons, 22:48442 (KFK-608)
  Final state interacting n-p pairs in the reaction $p + d \rightarrow p + p + n$, 25:5548
  Final state interaction in reaction $p + d \rightarrow p + p + n$, 24:37621 (KFK-1172)
  Investigation of n—p and p—p final state interaction in three body reaction $p + d \rightarrow p + p + n$ with 52-MeV deuterons, 24:3508 (KFK-1012)
  Investigation of the angular correlation in the three-nucleon reaction $d + p \rightarrow p + p + n$, 25:1395 (KFK-1216)
  Neutron polarization in the reaction ^{12}C(d,n)^{13}N, 23:21280
  Novel time-of-flight method and its applications in nuclear reaction studies, 23:8890
  Physical methods of investigation applied to thermionic converters, 22:19824
  Proton—proton final-state interaction in three-nucleon reaction $p + d \rightarrow p + p + n$, 24:13270
  Reaction $d + d \rightarrow p + t$, 24:15778
  Reaction p(d,pp)n and d(d,dp)n with 51.5-MeV deuterons, 23:5802
  Singlet and triplet final state interaction between the neutron and proton in ^{1}H(d,2p)n reaction, 23:34715 (KFK-892)
  Spin precession magnet for high energy neutrons and charged particles, 23:49233 (KFK-891)
  T = 0 negative parity excited states in ^{4}He, 22:26788 (KFK-679)
KLUGE, Werner Possible forms of direct energy conversion, 21:16846
KLUGER, F. Determination of trace elements by chemical analysis and neutron activation in meteorites, 22:10199
  Determination of trace elements by neutron activation in meteorites, 25:54517
  Neutron activation analytical determination of a number of trace elements in meteoritic phases, 25:41773
KLUGER, Ronald Hydrolysis of methyl ethylene phosphate, 24:192
KLUGER, W. Fixing of radioactive residues in bitumen, 24:11754 (KFK-1037)
  Removal of condensed phosphates from radioactive wastes, 24:264 (KFK-917)
  Removal of condensed phosphates from radioactive wastes, 24:20854 (ORNL-tr-2292)
  Storage of radioactive wastes, 24:41414
KLUGH, A. P. Parallax and proper motion of pygmy suspect LP 9-231, 22:11118
KLUGMANN, E. Effects of heat and neutron irradiation on magnetization curve of Co, 21:3528
KLUK, A. F. Decay of ^{108}Ag, 25:31382
  K-conversion coefficients of transitions in ^{87}Sr, 24:49836
  Systematics of $K\pi$ = 0- and 1-octupole bands in transitional nuclei, 24:43354
  Weakly populated states in decay of ^{51}Cr, 23:46954
KLUMPAR, J. Effects of scattered radiation on the calibration of gamma ray detectors, 23:11838
  Standardization of radionuclides based on determinations of mass, 21:40937 (ORNL-tr-1750)
KLUMPAR, Josef Air ionization chamber for γ-radiation standardization, 23:2575
  Correction for wall thickness of an ionization chamber in gamma radiation measurements, 23:14009
  Radiation unit with 1200 Ci ^{60}Co and 240 Ci ^{137}Cs, 22:35983
  Standardisation of beta—gamma emitters by extrapolation of coincidence measurements with variated electrical parameters, 22:19103
  Standardization of pure β emitters with a $4\pi\beta$ counter, 21:34308
KLUNICHENKO, A. M. Use of pentoxyl in radiation proctitis, 22:25918
KLUNKER, J. Some investigations on non-destructive safeguards techniques, 24:48239 (KFK-1208)
KLUSAL, Ivan Determination of non-metallic elements in uranium, its compounds, and alloys, 22:14463
KLUSMAN, A. Plutonium fuels for feed-and-breed HTR concepts, 23:37514
KLUSMANN, A. Fuel cycles of gas-cooled high-temperature-reactors, 21:42733
  Fuel element of Geesthacht KSH reactor, 23:28367
  Situation of the nuclear fuel cycle industry, 25:37034
  Twenty-five-MW(e) Geesthacht KSH Nuclear Power Plant, 23:37392
KLUSMANN, Arno Nuclear reactor fuel elements, 23:48396
KLUTH, E. L. E. Electron spin resonance in grade A reactor graphite, neutron-irradiated at K, 22:28964
KLUTZ, William S. Practicing physician and the nuclear reactor, 21:14682
KLUYVER, J. C. Baryon exchange in $K^-p \rightarrow \Lambda\omega$ and $K^-n \rightarrow \Sigma\omega$ at 3 GeV/c, 25:1423
  Coherent K^-d interactions, 23:36838
  Evidence for B(1220) production in an analysis of reaction $K^-d \rightarrow$ p/sub s/$\Lambda\pi^+\pi^-\pi^-\pi^0$ at 3 GeV/c, 25:12118
  I = $^3/_2$ $K\pi$ elastic-scattering cross section from the reaction $K^-n \rightarrow pK^-\pi^-$ at 3 GeV/c, 25:3278
  Measurement of the lifetimes of the Σ^{+-}-hyperons, 25:14546
  Observation of two Ξ^-p elastic-scattering events, 24:45421
KLVANA, M. Scintigraphic investigation of the uptake of radioactive mercury in lung tumours, 25:52141
KLYACHINA, K. N. Effect of 1,3-diaminopropanol-2-tetraacetic acid on excretion of some radioisotopes of metals, 23:47948
  Operation of industrial x-ray installations, 22:51592
KLYACHKO, V. A. Integration of large nuclear power plants with desalination plant, 24:18468 (AEC-tr-6991)
  The combination of large atomic electric power plants with desalination distillation units, 23:15699
KLYAVINYA, A. P. Experimental observation of electromotive force alongside of an external magnetic field induced by flow of liquid metal (α effect), 22:41422
KLYCHKOVA, V. P. Model of atomic power plant with natural convection, 23:40356
KLYGIN, A. E. Complexometric determination of U(IV) using arsenazo I as indicator, 21:45022 (CEA-tr-R-1512)
  Formation of complexes of uranyl and lanthanum ions with Arsenazo III in perchlorate solutions, 24:33678
  Protolytic equilibrium of phenosafranine in nitric acid solutions of uranyl nitrate, 21:19624
  Reaction of uranyl nitrate with arsenazo III in nitrate solution, 25:34524
  Spectrophotometric investigation of complex formation in the system uranyl nitrate—nitric acid—water, 25:34564
KLYKOV, O. V. Dose distribution in skin contaminated with radioactive substances, 25:42257
KLYM, N. M. Influence of C on structure and thermal emf of W—Re, 22:52173
  Interrelation between phase diagram and composition—property diagrams of In—Sn system, 25:55546
KLYMYK, A. U. Decomposition of irreducible representations of semisimple Lie group into representations of its semisimple subgroup, 22:13781 (ITF-67-17)
KLYNCZAK, Joanna Alina Influence of uv radiation on pigeon erythrocytes, 25:58113
KLYNNING, L. Spectra of silicon hydride and silicon deuteride, 21:32160
KLYPIN, B. A. Hot brittleness of molybdenum alloys, 24:27759
  Influence of carbon on Mo ductility, 25:29863

- Mechanical properties of high-melting-point metals, 21:22876
- Mechanical properties of refractory metals, 24:14761
- Temperature dependence of mechanical properties of Mo, Nb, and Ni, 23:8196
- Temperature dependence of mechanical properties of certain Mo and W alloys, 25:29864
- KLYSHKO, D. N. Control of laser pulse length with a KPD crystal, 25:51337 (SC-T-713057)
- KLYUCH, V. E. Distribution of short-lived daughter products of radon in the respiratory tract, 25:39795 (AEC-tr-7232, pp 145-54)
  - Short-lived daughter products of radon in respiratory tract, 24:44411
- KLYUCHAREV, A. P. Boride coatings on Mo, 22:4854
  - Double iron-free coincidence orange spectrometer, 24:14289 (KHFTI-69-5)
  - Elastic scattering of low-energy protons on medium atomic weight nuclei, 21:2681
  - Excitation functions of reactions (p,n) on some Sn isotopes and isomeric ratios, 24:38236
  - Gamma rays from ^{64} ^{66} ^{68}Zn(p,γ)^{65} ^{67} ^{69}Ga, 25:31249
  - Gamma-activation method for determining carbon and oxygen in beryllium, 25:57385
  - Inelastic scattering of protons by ^{50}Cr, ^{52}Cr, ^{54}Cr, and ^{64}Zn, 25:31253
  - Magnetic β-spectrometer "KETRON" for investigation of isomers formed in nuclear reactions, 22:25664
  - Measurement of charged particle spectra at small angles, 21:1611
  - Measurements of the angular distribution of fission fragments, 21:287
  - Polarization of protons elastically scattered on nuclei with a zero spin, 25:56678
  - Preparation of isotopic lead and bismuth targets for nuclear investigations, 21:13773
  - Preparation of Mo and Re foils for nuclear studies, 21:6780
  - Reaction (d,α) on ^{12}C at low deuteron energies, 21:29892
  - Reaction (d,p) on ^{12}C at low deuteron energies, 21:2639
  - Reaction ^{13}C(d,α)^{11}B, 21:27539
  - Reaction ^{4}He(γ,n)^{3}He at the γ-quanta maximal energy of 120 MeV, 23:28240
  - Short-period isomers /sup 137m/La, /sup 172m/Lu, and /sup 187m/Ir, 21:2747
  - Thin films of rare-earth metals, 25:22035
  - Thin films of V, Nb, and Ta, 25:22034
  - Three-particle and total photodisintegration of ^{4}He, 24:22070
  - Total cross section of reaction ^{4}He(γ,pn)^{2}H, 23:37102
  - Use of reaction ^{16}O(p,α)^{13}N to study oxidation of metals, 25:55384
- KLYUCHAREV, B. V. Radioisotope scanning in diagnosis of renal tumors, 24:17089
- KLYUCHAREV, O. P. Magnetic β spectrometer, 23:38306
- KLYUCHAREV, V. A. Angular correlation of 345 to 136 keV cascade in ^{181}Ta, 25:31321
  - Concentration dependence of electric field gradient in NbHf system, 25:38595
  - Decay of ^{181}Hf, 23:46998
  - Influence of lattice defects on γ—γ correlations, 25:1328
  - Internal fields in transition-metal alloys, 25:40824
  - Nuclear information with aid of Moessbauer effect and perturbed angular correlations, 21:2608
  - Quasistatic perturbations of angular correlations, 21:44803
- KLYUCHAREV, V. O. Investigation of γ-transitions in ^{59}Co(p,nγ)^{59}Ni reaction, 21:44611 (ORNL-tr-1739)
- KLYUCHAROV, Ya. V. Changes in engineering properties of Zr refractories in relation to degree of stabilization of ZrO_2, 23:10282
  - Effect of gas medium on zirconium dioxide reaction with cerium dioxide and properties of the sintered material, 24:51201
  - Interacting phase conversions and engineering properties of materials with ZrO_2—CeO_2 base, 22:45807
  - Technical properties of compositions of the MgO—Cr_2O_3—ZrO_2 system, 21:22925
  - Variation in technological properties of Zr refractories in dependence on degree of ZrO_2 stabilization, 24:32374 (NP-tr-1892)
- KLYUCHKO, P. F. Use of ionizing radiation in corn breeding, 23:2979
- KLYUCHNIKOV, A. A. Positrons in ^{174}Lu decay, 23:11031
- KLYUCHNIKOV, N. I. Thermodynamic stability of a plasma with strong interaction, 23:3528
  - Thermodynamics of a system of strongly interacting charged particles, 21:11650
- KLYUEVA, N. M. Ion composition of the polar ionosphere, 25:40506
- KLYUKIN, L. P. Individual dosimeter, 25:55051
- KLYUKOV, B. P. Sodium pumps of the BN-350, 23:52431 (JPRS-48330, pp 269-92)
- KLYUSHNIKOV, O. I. Current generator for studying superconductivity by an impulse method, 25:8580
  - Generator for studying superconductivity by a pulse method, 25:10899
- KLYZHUK, K. N. Curative action of bone marrow transfusion, 22:49437
  - Therapeutic effect of DNA in acute radiation sickness, 25:44845
  - Therapeutic efficacy of high-polymer heterologous DNA in radiation sickness, 24:23244
- KMETKO, E. A. Metallic valencies of early transactinium metals, 25:11995
  - Single-parameter free-electron exchange approximation in free atoms, 25:11736
- KMITO, A. A. Methods of investigating the atmosphere with rockets and satellites, 21:23079 (NASA-TT-F-390)
- KMIZHNIKOV, V. A. Content of ^{90}Sr in human bone in USSR: data for 1964, 22:49177 (NP-16519)
- KNAAB, H. Investigations of test fuel elements in the hot laboratory, 22:52216
  - Irradiation facility with pressurized water and boiling water circulation (Loop II) for MZFR Karlsruhe, 23:5994
  - Irradiation of test fuel elements, 24:30959
- KNAAK, J. Landing and roll-out-aid-using γ-ray techniques, 25:465
- KNAAK, Joachim Motion of protons and deuterons in palladium under electric field, 23:7511
- KNAAK, S. Surface tension of nuclear matter, 21:7838
- KNAAP, H. F. P. Heat conductivity of polyatomic gases in magnetic fields, 25:40434
  - Heat of mixing for the systems oH_2—pH_2 and oD_2—pD_2, 23:24172
  - Rotational relaxation of HD below 40 K, 25:19480
  - Transverse heat flow in gaseous hydrogen isotopes at low temperatures, 25:29267
  - Transverse heat transport in polyatomic gases under influence of a magnetic field, 21:37168
- KNAAPE, J. Volumetric determination of the U/O ratio in UO, 22:12237
- KNAB, Daryl Coprecipitation of trace levels of protactinium on LaF_3, 24:31468
- KNAB, G. G. Effect of impurities and irradiation on thermoluminescence and electron emission from LiF crystals, 24:47313
  - Two types of F centers in LiF crystals which have been x-rayed at room temperature, 25:49990
- KNABE, W. E. Generation of gravity—acoustic waves by nuclear detonations, 23:51453 (CONF-680722-, pp 1-8)
- KNABE, Walter E. Magnetohydrodynamic wave propagation in the ionosphere, 21:7080 (AD-637871)
  - Theoretical study of generation of infrasonic waves in atmosphere, 24:36436 (AD-702162)
- KNACKE, O. Activity of UCl_4 in the eutectic LiCl—KCl melt, 21:38931 (LA-tr-67-76)
  - Diffusion of ^{233}U in eutectic LiCl—KCl melt, 24:46217
  - Phase diagrams of system U—O—F, 24:41276
  - Thermal dissociation and sublimation of UO_2F_2, 24:41281
  - Thermal dissociation and sublimation of UO_2F_2, 25:15566 (ORNL-tr-2422)
- KNACKE, Ottmar Activity of UO_2Cl_2 in the eutectic LiCl—KCl melt, 24:50378
  - Dissociation pressure of Bi in system Bi—Th, 23:30095
  - Dissociation pressure of Bi in the system Bi—Th, 23:32038
  - Dissociation pressure of bismuth in the system: bismuth—thorium, 23:48391 (ORNL-tr-2218)
  - Method of treating coated-particle nuclear-reactor fuels, 23:4731
  - Phase diagrams of the system uranium—oxygen—carbon, 24:51175 (ANL-Trans-856)
  - Phase diagrams of the system, uranium—oxygen—carbon, 22:11083
  - Vapor pressure measurements in the lead—thorium system, 24:8090 (ORNL-tr-2228)
- KNACKE, R. F. Circumstellar infrared emission from two peculiar objects, 23:14450
  - Extinction by interstellar silica grains, 22:8867
  - Infrared spectra of highly reddened stars, 24:1126
  - Infrared studies of galactic nebulae. II. The compact nebulae IC 4997, VV 8, and FG sagittae, 25:11569
  - Interstellar silicate absorption in infrared spectrum in 119 Tauri, 23:20586
  - Possible upper limit to distance of BL Lacertae, 25:38048
  - Silicon monoxide in the infrared spectrum of alpha Orionis, 25:32923
  - Spectrum of NML Cygnus from 7.5 to 14 microns, 23:20583
- KNACKE, Roger Fritz Studies of interstellar extinction at infrared wavelengths, 25:13934
- KNADLER, Charles Anticoincidence-shielded gamma-ray spectrometer data-processing program, revised, 21:41197 (AD-644896)
- KNAELMANN, M. Conference on molecular structure and radiation effects, Hanover, 6/66, 23:13769
  - Effect of concentration on the iodide sorption by various soils, 25:15772
  - Effect of concentration supplied on the iodide sorption by various soils, 25:10694
- KNAELMANN, Marita Quantitative determination of tritium on metal surfaces, 24:2139
- KNAFJL, J. Use of activated barium sulfate in oral contamination with radiostrontium. I, 25:11049
- KNAFLICH, H. B. Longitudinal spread of Pc1 micropulsations in magnetosphere, 22:22032
  - Magnetospheric parameters determined from structured micropulsations, 22:34365 (D-1-82-0691)
  - Magnetospheric parameters determined from structured micropulsations, 23:1291
  - Micropulsations: a diagnostic tool, 25:5028
  - Proton densities in the magnetosphere from pearl dispersion measurements, 21:41913
  - Systematic study of structured micropulsations, 21:29142
- KNAIFL, J. Resolution of ^{90}Sr and ^{89}Sr nuclides by measuring their activity. I, 23:19664
  - Strontium-90 content of deciduous human teeth, 21:8816
- KNAIFL, Josef Radioactive strontium content in human deciduous teeth, 21:28373
  - Ratios of radionuclides of Sr in fallout after the third nuclear test in China, 21:28104
  - Ratios of radionuclides of strontium in fall-out after third nuclear test in China, 23:24310 (UCRL-Trans-10340)
  - Recognition of the fragment nuclides ^{90}Sr and ^{89}Sr on the basis of radioactivity. II, 25:54803
- KNAJFL, J. Assessment of radiotellurium as a fission product, 25:10948
  - Decrease in radiostrontium accumulation due to activated barium sulphate during repeated and continuous peroral contamination of rats, 25:10940
  - Decrease of strontium absorption by activated barium sulphate, 24:36688
  - Distribution of radioactive arsenic in tissues, 24:5986
  - Passage of iron(III) cyanoferrate through the gastrointestinal tract of rats, 25:18887
  - Use of activated barium sulfate in oral contamination with radiostrontium. II, 25:11048
  - Use of activated barium sulfate in oral contamination with radiostrontium. III, 25:11047
- KNALIKOV, D. R. Radiolysis of peptides in γ-irradiated aqueous solutions, 21:6433
- KNAPECZ, G. Equivalence of general relativistic field theories, 23:23543
  - General relativistic theory of Lagrangian functions. I, 21:33573
  - General relativistic theory of lagrangian functions in the space X_1. II, 22:39487
  - General relativistic theory of one-dimensional Lagrangian functions, 23:1691
- KNAPEK, E. Nuclear g-factor of the 322 keV intruder state in ^{125}Te, 23:44927
- KNAPEN, M. Detection of low-intensity alpha decay branches with semiconductor detectors, 23:21954
- KNAPIK, Jerzy Spark chamber as an element of the hodoscopic detector of extensive air showers, 25:42158
  - Spark chambers in high-energy physics. II, 25:26514
- KNAPKA, J. J. Food intake and growth of burro foals after 250 roentgens of gamma irradiation, 23:6581
  - Late effects of whole-body irradiation on nutrient digestibility by the burro, 23:2951
- KNAPKA, Joseph John Effects of sublethal radiation on burros, 23:5022
- KNAPP, B. Princeton automatic track reader, 25:13250 (CERN-70-21(Vol.1), pp 273-83)
- KNAPP, B. C. Coupled resonator model for standing wave accelerator tanks, 21:46627
  - Standing wave high energy linear accelerator structures, 22:39518
- KNAPP, D. E. Nuclear electric power sources for biomedical application, 25:41996
  - Thermionic and betavoltaic nuclear power sources for pacemaking, 25:4237
- KNAPP, E. Production of π^{+-} mesons by 730-MeV protons incident on various nuclei, 25:53226 (LA-DC-12944)
- KNAPP, E. A. Accelerating structure research, 21:13755 (LA-DC-8244)
  - Coupled resonator model for standing wave accelerator tanks, 21:46627
  - Design and performance of side coupled cavity electron accelerator, 22:37222 (LA-DC-9432)
  - High energy structures, 25:50240
  - High energy structures, fabrication, and tuning, 25:50252
  - Operating characteristics of a full power cloverleaf accelerator tank, 21:2544 (LA-DC-8249)
  - Resonant side-coupled cavity electron accelerators, 22:1527 (LA-DC-8834)
  - Resonantly coupled standing-wave accelerator structures for electron and proton linac applications, 23:28012
  - Some preliminary observations on a family of linac modes, 23:28013
  - Stabilization of drift tube linac by operation in $\pi/2$ cavity mode, 22:1528 (LA-DC-8848)
  - Standing wave high energy linear accelerator structures, 22:39518
  - Status report on LAMPF, 25:50402
  - Tuning and field measurement techniques in a resonantly coupled accelerator tank, 21:11833 (LA-3609, pp 132-6)
  - Tuning and field measurement techniques in a resonantly coupled accelerator tank, 21:13754 (LA-DC-8243)
  - Tuning and pre-beam checkout of 805 MHz side-coupled proton linac structures, 25:50427
- KNAPP, Edward A. Stabilization of the field distribution in drift tube linac, 24:26561
- KNAPP, G. Soft x-ray imaging system for satellite experiments, 22:40410
- KNAPP, G. S. Application of Stoner theory to ferromagnetic ZrZn/sub 2-x/ alloys, 24:24157
  - ESR in ferromagnetic Sc/sub 3 + x/In alloys, 24:24158
  - Exchange enhancement of conduction electron spin lifetimes in $ZrZn_{1.9}$, 24:24159
  - Ferromagnetism of $ZrZn_2$, 25:27875
  - Isotope effect in weak itinerant ferromagnet $ZrZn_2$, 24:28443
  - Kondo temperature independent of host composition for Co dissolved in Mo—Nb alloys, 23:30654
- KNAPP, Gillian R. H I clouds with spin temperatures less than 25°K, 25:35680
  - Parkes hydrogen-line survey of the Milky Way. IV, 25:19391
- KNAPP, Horst Werner Advantages of increasing tube voltage from 200 to 300 kV in conventional x-ray therapy, as demonstrated by example of pendulum irradiation of esophagus carcinomas, 24:36759
- KNAPP, J. Calculation of the factors of resonance self-shielding, 23:9234
  - Calculation of the factors of resonance self-shielding in fissile materials, 25:28503
  - Dosimetry for neutron irradiation of two cytostatics, 24:46585
  - Radioprotective effect of ornithine-aspartate, 23:43802
  - Resonance-capture and -fission in highly enriched fuel-lattices, 25:20826
  - Studies with pentosanpolysulfoester before and after irradiation, 23:50346
  - Use in physics and medicine of Siemens training reactor SUR 100, 23:9209
- KNAPP, Juergen Neutron irradiation of tachostyptan and epsilon-tachostyptan, 23:29385
- KNAPP, M. Flow rate measurements in hydropower plants by means of radioisotopes, 21:12699
- KNAPP, R. H. Jr. Green function approach to the paramagnetic phase of a Heisenberg ferromagnet, 24:49277

KNAPP, R. J. Heat-pipe performance in a zero gravity field, 22:40317
  Orbital heat pipe experiment, 21:30614 (LA-3714)
KNAPP, R. W. CEND critical facilities operations manual, 21:35706 (CEND-111)
  CEND Critical Facilities safeguards report: BONUS critical experiment, 21:32008 (CEND-110)
  Operating flexibility through in-core fuel management, 24:16206
  Operating flexibility through in-core fuel management, 24:18527
  Prog. rpt. on advanced BONUS core development, final, 1/63—12/65, 21:19348 (CEND-265)
KNAPP, Sherman R. Pumped storage: handmaiden of nuclear power, 23:31142
KNAPP, U. New hematocrit correction for the uptake in vitro of ^{131}I-triiodothyronine by erythrocytes, 21:45538
KNAPP, V. Directional gamma—gamma angular correlation in ^{177}Hf, 23:23737
  Energy-distribution measurement in the double decay of ^{137}Ba, 24:15918
  Incoherent scattering of 662-keV gamma rays by K-shell electrons in gold, 23:30351
  Internal Compton effect, 23:44910
KNAPP, W. G. Measurement of space-dependent material reactivity worths, 21:38686
  Measurements and analysis of reflected fast critical experiments, 21:35645 (ANL-7320, pp 186-93)
  Physics measurements in W-based, Al-reflected fast reactors, 21:30090 (ANL-7007)
  Physics measurements with modified diluent compositions in W-based, Al-reflected fast reactors, 21:31996 (ANL-7207)
  ZPR-9 assemblies No. 6-9 critical experiments, 21:44930 (ANL-7208)
KNAPP, W. J. Peach Bottom 1 experience with inert containment atmosphere, 23:15569
KNAPP, Walter J. Jr. Helium chemistry experience at Peach Bottom, 21:35630
  Performance of coolant clean-up system in the Peach Bottom reactor, 25:50892
KNAPPIK, P. Specific surface measurements of sintered UO_2, 21:34955 (EURAEC-1863)
KNAPTON, John D. Radiological hazards of tritium-activated devices, 25:35138
KNASEL, T. M. Accurate calculation of radiation lengths, 23:32598 (DESY-69/8)
  Accurate calculation of radiation lengths, 24:37238
  Accurate determination of total pair production cross section in carbon, aluminum, copper, and lead for photons from 1.200 to 4.050 GeV, 22:34832
  Coherent photoproduction of rho mesons, 24:24216
  Incoherent-scattering function, total pair-production cross section, and pair-production length for He, 22:44361
  Leptonic decays of vector mesons, 23:3653
  Leptonic decays of vector mesons, 23:7086 (DESY-68/56)
  Photoproduction of rho mesons from complex nuclei, 24:51895
  Real part of the rho—nucleon scattering amplitude, 25:1538
  Total cross-section for pair production and its relationship to tests of the validity of quantum electrodynamics, 23:14955
  Total pair production cross section in H and He. II, 24:20093 (DESY-70/3)
  Total pair production cross-section in H and He. I, 24:20092 (DESY-70/2)
KNAT'KO, V. A. Calculations of radiation widths in (n,γ) reactions, 23:52148
  Effect of phonon + particle doorway states in (n,γ) reaction, 25:36834
  Phonon-particle doorway states in (n,γ) reactions on nuclei with $A < 80$, 25:36703
KNAUBER, John W. Guide for industrial hygiene codes or regulations for laser installations, 24:39510 (NP-18246)
KNAUER, J. B. Encapsulation technique for ^{252}Cf sources, 23:35425
  New encapsulation techniques for the fabrication of ^{252}Cf neutron sources, 25:39653
  Separation of berkelium from trivalent actinides by chromate oxidation and HDEHP extraction, 23:13829 (ORNL-TM-2428)
KNAUER, Luitpold Dependence of radiation-therapeutic results on transient dose distributions, 22:47623
KNAUER, R. C. Moessbauer effect: a new method for measuring diffusion, 24:40199
KNAUER, Robert C. Direct observation of solid-state diffusion using Moessbauer effect, 22:50259
  New automation technique for constant velocity Moessbauer spectrometers, 21:45394
KNAUER, W. Discharge chamber studies for Hg bombardment ion thrusters, 23:27618 (N-69-12544)
KNAUF, I. Delayed repulsion of skin transplants after injection of thorium dioxide in mice, 23:41264
KNAUF, K. Double electron ejection in electromagnetic decay of /sup 113m/In, 22:53170
  Reactivity measurements and nuclear power calibration of 5 x 5 core configuration of the FMRB, 23:9218
  Search for two-quantum processes in the decay of /sup 131m/Xe, 21:2753
KNAUF, Philip Andrew Modification of anion and cation permeability of the human red cell membrane by amino and sulfhydryl reactive reagents, 25:28904 (UR-49-1429)
KNAUFF, W. J. Documentation of a conversion of GECENT III for use with CDCAPT3, 21:32071 (SCL-CR-67-179)
KNAUSS, P. L. Piezoelectric transducers for acoustic emission measurements, 23:14085 (UCRL-50553)
KNAVEL, Dean E. Daylength-sensitive, tall-mutant pea, 22:2498
KNEALE, G. W. Age-distribution of cancers caused by x rays, 24:48730
  Cancer risk associated with obstetric radiography, 22:43368
  Prenatal radiation exposure and childhood cancer, 25:21913
  Radiation dose in relation to obstetric x rays, 24:48731
KNEBEL, D. W. Beryllium frames for stiffness and for lightness: a design review, 25:47115 (NMAB-272, pp 435-65)
KNEBEL, R. Diagnosis of combined mitral valve failure with ^{85}Kr, 23:29620
KNECHT, Ch. Sintering behavior of W—Re—ThO_2 powder, 23:41590
KNECHT, Dieter August Kinetics of the thermal decomposition of cyclopentene and hydrogen isotope effect, 23:11489
KNECHT, H. Ammoniates and ammonolysis of uranium trichloride, 22:50979
  Ammoniates and ammonolysis of uranium tetrachloride, 24:41283
  Ammoniates and ammonolysis of uranium tetrachloride, 25:23551 (RFP-Trans-75)
  Ammoniates and ammonolysis of uranium trichloride, 25:31892 (RFP-Trans-77)
  Crystal structure of U imide chloride U(NH)Cl, 21:8263
KNECHT, L. A. Oxidation of Ce(III) to Ce(IV) using a mixture of hot concentrated perchloric and sulfuric acids, 21:38909
KNECHT, O. Correlation between reactor siting and containment, 22:18439
  Determinism and statistics in reactor safety, 25:3895
  Mathematical model for determination of the defect probability of reactor components, 23:21553
  Mathematical model for determination of the failure probability of reactor components, 23:40377 (BNWL-tr-29)
  Outlines of a general safety theory, 22:22721
  Reactor safety at positive power coefficients. II, 21:15706
  Reactor safety by positive power coefficients, 21:14025
  Reliability requirements for nuclear power plants, 25:60122
  Safety considerations in the design of RSR, 24:24872
  Safety strategy in the design of sodium-cooled fast breeders, 25:48287 (IRS-T-18(1969), pp 191-4)
KNECHT, Othmar Graphical analysis of reactor breakdowns, 23:2136
  Reliability and safety of nuclear power stations, 24:22371
KNECHT, R. L. Zircaloy-2 pressure tubing, 23:16479 (BNWL-746)
KNECHTLI, R. C. Collisionless thermalization of electrons in a beam—plasma system, 23:36674
KNECHTLI, Ronald C. Ionic and plasma propulsion for space vehicles, 21:9597
KNEELAND, L. E. Irradiation-induced gases in packaged foods. I, 22:601
KNEER, F. Sunspot intensities and their correction for scattered light, 22:52316
KNEER, G. Metamagnetic behavior of EuSe, 22:52878
KNEFF, D. W. Reaction Q values from epi-threshold neutron spectra, 24:38147 (RLO-1925-40)
  Reaction Q values from near-threshold neutron spectra, 25:3608
KNEIP, G. D. Method for increasing the critical current density of hard superconducting alloys and the improved products thereof, 21:3508
KNEIP, T. J. Measurement of low levels of ^{131}I in reactor atmospheres, 24:43967
KNEIP, Theo. J. Analysis of ^{210}Pb in the urine of uranium miners, 23:22290 (NYO-3086-8, pp XI.1-13)
  Method for analysis of ^{210}Pb in urine of U miners, 23:38581
  X-ray fluorescence: detection of lead in wall paint, 25:35043
KNEIP, Theodore J. Manmade radionuclides in the Hudson River estuary, 25:55160
  Prog. rpt. on radioactivity, annual, 10/1/66—10/1/67, 22:2506 (NYO-3086-7)
KNEISEL, P. Investigation of surface resistance of niobium-cavity at S-band, 25:50306
  Measurements of RF-absorption of superconducting resonators, 23:28189
  Q-measurements in superconducting lead cavities at 800 MHz, 23:19075 (BNL-50120(Pt.2), pp 770-3)
  Tritium yields from the reactions $Ni(\gamma,t)$ and $Pd(\gamma,t)$ with 36.2-MeV and 49.2-MeV bremsstrahlung, 21:15536
KNEISSL, U. Isomeric ratios for the reactions ^{85}Rb(n,2n)/sup 84m,g/Rb and ^{85}Rb(γ,n)/sup 84m,g/Rb, 23:52130
  Sensitive profile and position monitor for electron and positron beams, 25:3497
KNELLWOLF, T. Several narrow resonances in proton bombardment of ^{20}Ne, 23:8971
KNERR, R. Spin determination of various nuclear levels, 25:53704
KNERR, R. P. Determination of the total mass absorption coefficients for γ and x rays in the region of 30 to 200 keV, 21:25479
KNESER, H. Repair of ultraviolet lesions and induction of prophage, 21:9028
KNESER, Hubert Relationship between K-reactivation and uv-reactivation of bacteriophage lambda, 23:2986
KNESER, Th. Scattering of potassium from halogen compounds at hyperthermal energies, 24:37231
KNEUBUEHL, F. K. Group theory of paramagnetic resonance, 25:12910 (SC-T-713002)
KNEUBUEHL, Fritz K. Symmetry and microwave spectra of polyatomic paramagnetic centers, 25:15456 (SC-T-713005)
KNEZEVIC, Gordana M. Phase equilibrium analysis of UO_2—V_2O_5 system in temperature interval 900 to 1200°C, 22:45826
KNEZEVIC, Z. V. Determination of the concentration of ^{15}N in NO_3^- ion by infrared spectrometry, 22:12232
  Isotopic analysis of B in BF_4^-, 23:49720
KNEZEVIC, Zoran Effect of gamma irradiation on proliferation and differentiation of primitive hematopoietic cells of chick embryos, 21:20378
  Effects of γ radiation on chick embryos, 22:6907
KNEZEVIC, Zvonko Specificity of radiochemical determination of low-level activities, 21:24
KNIBBS, R. H. Young's modulus of artificial carbons and graphites, 24:42231 (DP-Report-411)
  Young's modulus of carbon and graphite artifacts, 22:11067
  Young's modulus of pyrolytic graphite, 23:30195
KNICKLE, H. N. Numerical solution of the time-dependent DP/sub L/ approximation, 23:37712
  Numerical solution of time dependent DP/sub L/ approximation, 23:37691 (RPI-328-157)
  Semi-analytic flux representation for fast pulsed assemblies, 23:34936 (RPI-328-156)
  Semi-analytic flux representation for fast pulsed assemblies, 23:37705
  Time-dependent neutron transport theory for fast pulsed assemblies, 24:46118
KNICKLE, Harold N. Effective teaching method for introductory nuclear engineering, 25:41374
  Theory of coupled space—time effects in fast pulsed-neutron kinetics and transport theory, 24:47558
KNIEDLER, Marcel J. Dose-depth distributions produced by electrons in multilayer targets, 23:48698 (CONF-690805-3)
KNIEDLER, Marcel John Electron energy deposition in multi-layered slabs and cylinders, 24:19936
KNIEPER, P. J. Heat transfer on magnetohydrodynamic flow in the entrance region of a flat duct, 22:17452
KNIERIEM, H. J. Neutron activation estimation of cobalt and calcium, 24:11484
KNIERIEM, H.-J. Cardiac insufficiency caused by Co chloride, 23:40585
KNIES, G. Application of the optical theorem for quasi-elastic scattering to the photoproduction of vector mesons, 22:41768 (DESY-68/28)
  Application of the optical theorem for quasi-elastic scattering to the photoproduction of vector mesons, 22:44354
  Evidence for N*(1450) in pp collisions at 10 GeV/c, 21:40145
  Reaction $pp \rightarrow pn\pi^+$ at 10 GeV/c and OPE model, 22:11594
  Reaction $pp \rightarrow pn\pi^+$ at 10 GeV/c and the OPE model, 21:25230 (DESY-67/4)
KNIES, Gerhard Photoproduction on deuterons, 25:47720
KNIFFEN, D. A. Digitized spark chamber for space science experiments, 21:19898 (N-67-16546)
  Digitized spark chamber for space science experiments, 21:32433
  Flux of heavy nuclei in cosmic rays over Texas in March 1962, and solar cycle modulation, 21:46182 (N-67-18984)
  Gamma-ray astronomy balloon results, 23:30362 (N-69-20028)
  Gamma-ray telescope utilizing large area wire spark chambers, 23:26515 (N-69-17998)
  Magnetic core digitized spark chamber for space science experiments, 22:366
  Results of gamma-ray balloon astronomy, 24:1178
  Study of gamma rays from the region of the galactic center, 24:46968
KNIFFEN, Donald Avery Gamma rays from the crab nebula, 22:52424
  Search for gamma-rays from Crab nebula using digitized spark chamber, 23:39348 (N-69-24170)
KNIGA, M. V. Solid-phase reactions in the systems Ho_2O_3—Fe_2O_3 and Pr_2O_3—Fe_2O_3, 24:42272
KNIGHT, A. Determination of beryllium by irradiation with gamma rays, 22:27537 (NIM-152)
  Determination of gold in ores and solutions by activation analysis with a neutron generator, 22:42620
  Measurement of dose equivalent around low energy accelerators, 23:50182
  Monitoring of the individual in accelerator environments, 23:50177
  Studies relating to in vivo activation analysis using a source of 14 MeV neutrons, 25:44817
  Use of 14 MeV neutrons for activation analysis of five elements in man-like models, 25:44818
KNIGHT, B. Automatic data handling for studies of reactions between graphite and flowing gases under irradiation, 23:16014 (RD/B/N-1142)
KNIGHT, B. E. Design of air pulsers for pulse column application, 21:45225
KNIGHT, Brian Energy—momentum complex in gravitational induction, 25:41083
KNIGHT, Bruce E. Operator training and licensing activities at the nuclear fuel services plant, 25:37457 (CONF-710416-, Paper 18)
KNIGHT, C. E. Jr. Experimental and theoretical determination of residual stresses in filament-wound rings, 24:11410 (Y-1701)
KNIGHT, Charles Eugene Jr. Anisotropic photoelastic analysis of fiber reinforced composite materials, 22:28971 (Y-1609)
KNIGHT, Conrad M. Retention, distribution, and absorption of inhaled albumin aerosol, 21:43480
KNIGHT, Curtis A. Quasars: millisecond-of-arc structure revealed by very-long-baseline interferometry, 25:30130
KNIGHT, D. W. Summary of ETR Critical Facility safety analysis information, 25:60149 (ANCR-1002)
KNIGHT, F. D. Alphameric displays in nuclear reactor computations, 25:6202
  Probabilistic method of appraising bioassay sampling programs, 22:51634
  Simulation model of IBM 360/65 job shop. II, 23:19610 (DP-1181)
KNIGHT, F. Delano Forecasting of ^{252}Cf production via simulation model, 24:2393 (DP-1151)
  Generalized linear regression analysis, 22:25210 (DP-1128)

Methods of appraising coverage of bioassay sampling programs, 21:10249 (DP-MS-66-55)
Simulation model of IBM 360/65 job shop. I, 22:50886 (DP-1149)
System for the analysis of gamma-ray spectra by the method of simultaneous equations, 23:7774 (DP-1171)
KNIGHT, F. W. Design, development, and operation of a NaK filled natural convection circulating capsule, 21:19806 (CONF-660511-, pp 5.2.1-17)
KNIGHT, G. B. Analysis of external radiation exposures in 1966, 21:36561 (AECL-2678)
TERMTRAN: programming system for engineering calculations via remote terminals, 22:20987 (K-1735)
TERMTRAN: programming system for engineering calculations via remote terminals, 24:24945 (K-1735(Add.))
KNIGHT, Harry H. Taxonomic review: Miridae of Nevada Test Site and the western United States, 22:23483
KNIGHT, J. A. Arylation of nitrobenzene induced by γ-radiation, 25:2255
Gas chromatographic analysis of γ-irradiated nitrobenzene, 24:36300
Gas chromatographic analysis of γ-irradiated aniline for aminoaromatic products, 25:29155
KNIGHT, J. A. Jr. Prog. rpt. on radiation chemistry of mono-substituted aromatic compounds, 1/15/67—1/15/68, 22:12341 (ORO-3519-2)
Prog. rpt. on radiation chemistry of mono-substituted aromatic compounds, annual, 1/15/68—1/15/69, 23:11531 (ORO-3519-3)
Prog. rpt. on radiation chemistry of mono-substituted aromatic compounds, 1/15/69—1/15/70, 24:11584 (ORO-3519-6)
Prog. rpt. on radiation chemistry of mono-substituted aromatic compounds, 1/15/70—1/15/71, 25:18450 (ORO-3519-8)
KNIGHT, J. D. Levels of ^{42}Ca and ^{44}Ca as observed in reactions ^{40}Ca(t,p) and ^{42}Ca(t,p), 22:9833
Levels of ^{88}Sr from decay of ^{88}Rb, 23:15416
Levels of ^{88}Sr from the ^{86}Sr(t,p)^{88}Sr reaction, 25:5615
Levels of ^{91}Y from decay of ^{91}Sr, 23:37210
Mass symmetry in the spontaneous fission of ^{257}Fm, 25:15045
KNIGHT, J. M. Two- and three-body photodisintegration cross sections of ^{3}H and ^{3}He, 22:9776
KNIGHT, J. R. MUG: program for generating multigroup photon cross sections, 24:12871 (CTC-17)
Prompt neutron decay constants calculated in highly enriched uranium metal assemblies, 21:31939 (K-DP-2251)
Prompt-neutron decay constants calculated in highly enriched uranium metal assemblies, 21:38188
KNIGHT, K. M. Kaon—nucleon total cross sections from 0.6 to 2.65 GeV/c, 22:26567
KNIGHT, Katherine Reduction and alkylation of immunoglobulins from rabbits, 23:22200
KNIGHT, P. Polarisation of waves reflected from the ionosphere, 23:51530
KNIGHT, P. A. Radiation-induced mutants of D. fuscipennis, 24:23161
KNIGHT, R. A. Alpha-phase precipitation in delta-phase plutonium, 22:8769
Production of fine metal powders using grinding aids, 22:38521 (AWRE-O-39/68)
KNIGHT, R. J. Conference on radiation chemistry of water, University of Notre Dame, Indiana, 10/66, 21:21965 (COO-38-519)
Disequilibrium of ^{238}U series in basalt, 21:6030
Radiolysis of aqueous solutions of nitric oxide, 22:4200
KNIGHT, R. W. Development of manufacturing procedures for HFIR fuel plates to ORNL specification, 25:58349 (ORNL-4713)
Evaluation of fabrication techniques for cermet isotope fuel simulants, 25:39656
Fabrication procedures for manufacturing high flux isotope reactor fuel elements, 22:35603 (ORNL-4242)
HFIR fuel element production and operation, 22:35606 (ORNL-TM-2196)
Production of high-flux isotope reactor fuel elements, 21:38732
X-ray attenuation scanning of nuclear fuel plates, 23:31495 (ORNL-TM-2525)
X-ray attenuation scanning of nuclear fuel plates, 25:42031
KNIGHT, Robert D. Nuclear battery, 22:28026
KNIGHT, Robert E. Correlation energies of some states of 3- to 10-electron atoms, 23:46291
KNIGHT, Ronald J. γ radiolysis of liquids at high pressures. VIII, 24:29349
Mechanism of radiation-induced luminescence from scintillators in cyclohexane, 22:27759
KNIGHT, Roy J. Isotopic composition of lead in volcanic rocks from Central Honshu, 24:14059
Lead and strontium isotopes in volcanic rocks from Northern Honshu, Japan, 24:14058
KNIGHT, S. Results of year's experience of new program for ^{239}Pu urine sampling and analysis, 22:49174 (AERE-M-2005)
KNIGHT, S. C. Exceptional lymphocyte stimulating capacity of cells from lymphoid cell lines, 23:48185
KNIGHT, Stella C. Interaction between peripheral blood leucocytes and x-irradiated cells, 23:33811
Stimulation of autochthonous lymphocytes by normal and leukaemic cells, 25:21601
KNIGHT, V. Use of 14 MeV neutrons for activation analysis of five elements in man-like models, 25:44818
KNIGHT, W. D. NMR of ^{195}Pt and satellite structure in Pt—Mo alloys, 22:29570
Nuclear magnetic resonance in superconducting lead, 21:16893
Recent magnetic resonance work in superconductors, 22:31779
Satellite structure and NMR shift of ^{195}Pt in Pt—Mo alloys, 22:1319
Spin-orbit coupling and nuclear magnetic resonance in superconducting metals, 25:40523
Spin-reversing scattering and nuclear magnetic resonance in superconducting tin, 21:11581
KNIGHT, W. H. Nondestructive testing of Apollo CSM spacecraft ordnance devices, 24:29470
KNIGHT, W. L. Bubble chamber study of reactions occurring with stopping K$^-$-mesons in mixture of propane and freon, 22:15683
Production of electron pairs of high invariant mass in 830 MeV/c (π^+-nucleus) interactions, 21:11743
KNIGHT, W. M. Strontium retention in the bovine, 22:10722
KNIGHT, Wilda B. Apparent density of Schistosoma mansoni and Fasciola hepatica eggs, 25:46364 (CONF-710703-1)
KNIGHTON, G. W. Influence of operating environment and procedures on material behavior, 21:38746
Radiation embrittlement of pressure vessels and procedures for limiting this effect in power reactors, 22:19588
KNIGHTON, George W. In-place annealing of SM-1A nuclear reactor vessel, 22:53402
SM-1A pressure vessel lifetime as result of in-place annealing, 24:22474 (AD-699330)
KNIGHTON, J. B. Development of a mixer-settler for liquid metal-salt systems, 25:57508 (ANL-7810)
Multistage contactors for liquid metal-salt extraction, 23:38041
Plutonium—magnesium phase diagram, 23:39000
Uranium and plutonium purification, 23:38058
Uranium purification by the process of salt transport, 23:28938 (ANL-7524)
KNIGHTON, James B. Californium and einsteinium separation, 21:3163
Process for separating plutonium from uranium from fission products, 21:28075
Purification of molten salts, 21:3172
Separation of uranium and plutonium values, 21:167
Separation of uranium from noble and refractory metals, 21:169
KNIGHTS, C. F. Effect of applied tensile stress on corrosion behavior of Zircaloy-2 in steam and O, 24:44663
Levitation melting of uranium mono-carbide, 25:29934
Post-transition corrosion of Zircaloy-2, low-nickel Zircaloy-2 and Zircaloy-4 by steam at 300°C and 340°C: deuterium absorption and influence of heat treatment, 23:26989 (AERE-R-5903)
Stress corrosion of irradiated Type 316 stainless steel, 21:39655 (AERE-M-1899)
KNIGHTS, C. J. Growth of austenitic stainless steels oxidised in carbon and oxygen bearing gases, 22:15148
KNIGHTS, Herbert Chilvers Improvements relating to nuclear reactors, 23:31160
Nuclear reactor control mechanism, 22:6187
Nuclear reactor, 21:44909
Nuclear reactors, 22:30402
Nuclear reactors, 22:39926
KNIGHTS, Lee M. Continuous incineration of plutonium-bearing scrap, 23:47580 (ARH-SA-39)
KNIGHTS, R. L. Aqueous citrate for plutonium—uranium processing, 23:13809 (ARH-SA-20)
KNILEY, D. J. Mechanical elements operating in sodium and other alkali metals. II, 24:33838 (LMEC-68-5(Vol.2))
KNILEY, Donald J. T. Mechanical properties of structural materials for pumps and valves, 24:31576
KNILL, G. Characteristics of large-area ion-implanted p—n junctions for detectors, 25:18756
Continuous in-pile monitoring of thermal neutron flux intensity using activation detectors, 23:24036
Design and performance of miniature primary emission neutron activation detectors for spatial distribution measurements of neutrons in reactors, 21:19969
KNIPE, A. C. First-order base-initiated β-elimination reaction involving a carbanion intermediate, 25:88
KNIPE, G. F. G. Light curve and orbital elements of V 539 Arae, 25:47229
Period changes in QS Aquilae, 25:40198
KNIPLING, E. F. Concept and value of eradication or continuous suppression of insect populations, 24:32295
KNIPP, J. K. Prog. rpt. on high energy physics, 9/67, 21:46456 (NYO-1984-11)
Prog. rpt. on high energy physics, annual, 9/66, 21:2346 (NYO-1984-10)
KNIPP, Julian K. Prog. rpt. on high-energy physics, annual, 10/68, 23:3628 (NYO-1984-12)
KNIPPENBERG, W. F. Pyrolytic graphite, 21:41642
KNIPPER, A. Angular distribution and plane polarization of 955-keV γ rays from ^{12}B, 22:53104
Angular distribution of the p$_1$ proton group and p$_1$—γ angular correlations in the reaction ^{11}B(d,p)^{12}B, 22:53103
Coincidence spectrometer with seven NaI counters, 23:47757
Determination of angular moments and multipole mixtures in ^{211}Bi, 22:44722
Excited states in ^{44}Sc from the ^{44}Ca(p,n)^{44}Sc reaction, 22:26997
Gamma ray spectroscopy in nuclear reactions, 25:17930
Lifetimes in ^{17}O, ^{39}K, and ^{41}Ca by particle-γ coincidence technique, 23:28247
Multicounter equipment for measuring angular correlations, 23:17776
Time resolution of a particle—gamma coincidence circuit, 23:47750
KNIPPER, A. C. Half lives of excited levels of ^{40}Ca and ^{133}I, 21:12065
KNIPPER, Albert Excited level of 4081 keV in ^{29}P, 24:20361
Parity of excited level at 3.786 keV in ^{30}Si, 22:29961
Plane polarization of 170-keV γ rays emitted in the reaction ^{12}C(d,p)^{13}C, 22:46728
Plane polarization of gamma radiations, 25:37603
KNIPPING, H. W. Respiratory use of C$_3$H, ^{131}I and of ^{133}Xe, 23:20296
KNIPPING, J. E. Metallography of metal-carbide/carbon-coated fuel particles, 23:6719
KNISELEY, R. M. Experience with whole-body irradiator, 23:35818 (ORAU-107, pp 12-16)
Haematological effects of whole-body radiation, 22:49580
Hematologic and therapeutic effects of total-body irradiation (50 R to 100R) in patients with malignant lymphoma, chronic lymphocytic and granulocytic leukemias, and polycythemia vera, 25:16259 (ORAU-112)
Responses to whole-body, 23:35817 (ORAU-107, pp 8-12)
Responses to whole-body irradiation, 23:35816 (ORAU-107, pp 6-8)
Treatment of persons exposed in radiation accidents, 24:7943
KNISELEY, R. N. Analysis of rare earth materials by cathodoluminescence, 23:7464
KNISELEY, Ralph M. Bone-marrow scanning with radioactive colloids, 21:45669 (ORAU-101, pp 96-9)
Hematologic effects of total-body irradiation in the human being, 21:45778 (ORAU-101, pp 18-23)
Total-body irradiation, 21:45667 (ORAU-101, pp 89-90)
KNISELEY, Richard N. Flame emission detection and determination limits for rare earth elements, 23:43256
Flame emission spectrometric determination of aluminum, cobalt, chromium, copper, manganese, niobium, and vanadium in low and high alloy steels, 25:15482
KNISH, I. T. Radioisotope diagnosis of tumors of the bones, 24:41916
KNISHNIKOV, V. A. Dietary intake of ^{90}Sr and ^{137}Cs by population of Soviet Union from fallout, 25:16064 (AEC-tr-7214, pp 37-50)
KNISPEL, Gerard Study and development of cadmium telluride detectors for gamma-ray spectrometry, 25:18733 (CEA-R-4052)
KNISSEL, G. E1 transition probabilities between corresponding states in ^{155}Tb, ^{157}Tb, and their neighboring odd-proton nuclei, 21:17357
Measurement of time differences in the range milli- to picoseconds, 21:36448
KNITTER, H. -H. Measurements of neutron scattering from ^{7}Li, 23:5824
KNITTER, H.-H. Elastic neutron scattering measurements on ^{239}Pu, 24:1840
Elastic scattering of neutrons from ^{6}Li, 21:29881 (EUR-3454.e)
Interactions of neutrons with ^{239}Pu in range between 1.5 and 5.5 MeV, 24:22183
Levels in highly excited ^{29}Si nucleus, 22:46743
Measurements of neutron elastic scattering from carbon in energy region of 0.50 to 2.00 MeV, 25:20267 (EUR-4538)
Measurements of neutron elastic scattering from carbon in energy region of 0.50 to 2.00 MeV, 25:53601 (CONF-701002-, pp 208-17)
Measurements of neutron scattering from ^{7}Li, 22:29904 (EUR-3903)
Neutron elastic scattering from carbon in the energy region of 0.50 to 2.00 MeV, 25:14911
Neutron scattering from natural silicon, 22:1621
Plutonium-239 angular distributions in energy range 0.2 to 5.5 MeV, 25:15134
Production of monoenergetic neutrons using particle accelerators, 22:5752
Reactions ^{14}C(d,n)^{15}N and ^{15}N(d,n)^{16}O, 21:38230 (EUR-3492.e)
Scattering of fast neutrons of ^{238}U, 25:43898
KNITTNER, G. Acceleration of heavy ions in variable frequency cyclotron at Saclay through use of trochoidal injector, 23:34677 (CEA-CONF-1260)
Source of high-intensity multicharged ions, 24:45696
KNIZE, Stanislav MHD generators with radial component of magnetic field, 24:21627
KNIZHNIK, E. I. Effect of irradiation on polytrifluorochlorethylene, 23:49840
Peculiar feature of the dielectric breakdown in the field of a strong ionizing radiation, 23:14899
KNIZHNIKOV, V. A. Dietary intake of ^{90}Sr and ^{137}Cs by population of USSR in 1966—1967 as result of stratospheric fallout, 23:18001 (AEC-tr-7030, pp 40-8)
Dietary intake of ^{90}Sr by population of the USSR, 1959—1967 as a result of stratospheric fallout, 25:10934 (NP-18380)
Effect of calcium in drinking water on ^{90}Sr build-up in the bony tissue of the adult population, 23:22247 (AEC-tr-6944, pp 215-21)
Effect of fluorine in drinking water on strontium accumulation, 22:6746
Effect of food on radioresistance of animals, 23:41347
Epithelial tumors of oral cavity and paranasal sinuses in ^{90}Sr affection, 22:45717
Influence of ^{90}Sr on rat hemopoiesis under conditions of increased dietary fluorine and calcium intake, 21:34794
Influence of dietary calcium and fluorine on the radioresistance of bacillus-carrying animals, 25:27016
Ingestion of fallout with food and water by population of Soviet Union during 1963—1964, 21:4798 (AEC-tr-6797, Paper 1)
Intake of ^{90}Sr and ^{137}Cs with food by population of Soviet Union, 22:33802 (A-AC-82/G/L-1186)
Intake of ^{90}Sr population of USSR over 1959—1967, 25:39853 (AEC-tr-7232, pp 45-56)
Level of ^{90}Sr and ^{137}Cs in food stuffs and water as result of global fallout during period from 1963—66, 22:45539
Permissible levels of irradiation of the organism in radioisotope diagnosis, 25:42552
Protective role of Ca and F against ^{90}Sr effects in rats, 22:51377
Relationship between fluorine and calcium contents in diet and resistance of animals to influence of γ irradiation, 22:51993
Strontium metabolism in man, 21:45584
Strontium-90 content in the bone tissue of USSR population 1964, 21:4748 (AEC-tr-6797, Paper 2)

Study of extracted teeth as a method of mass investigation of ^{90}Sr content in the human organism, 21:4750 (AEC-tr-6797, Paper 5)
USSR population dietery intake of food and water contaminated by nuclear tests fallout during 1963—64, 21:32647 (NP-16518)
KNIZHNIKOV, Yu. N. "KRISTALL" program for studying dynamics of radiation damage in crystal lattices, 25:33405 (IAE-2002)
Slowdown of electron beam in thick target of lead, 24:28653
Thick targets for obtaining neutrons in linear electron accelerators, 24:52247 (IAE-1737)
KNIZHNIKOVA, L. A. Angular distribution of secondary particles in showers, 22:13270
Polarization of geomagnetic pulsations of Pi2 type, 24:39983
KNOBELOCH, G. W. Neutron-induced ^{235}U fission at individual resonances. III, 25:14999
Symmetry of neutron-induced ^{235}U fission at individual resonances. III, 24:43312 (CONF-700101-(Vol.2), pp 1306-14)
KNOBIL, E. Radioimmunoassay for rhesus monkey luteinizing hormone (RhLH), 24:34144
KNOBLE, Ronald C. Training perspective on use of BWR simulator, 25:6209
KNOBLER, C. M. Low-temperature chromatographic separation of isotopic hydrogens at 27 and 55°K, 21:19733
KNOBLICH, P. Fast triggering device for spark chambers, 21:6278
Momentum spectra of cosmic-ray particles, 24:19792
KNOBLING, Karl-Heinz Construction engineering of the Gundremmingen power plant, 21:12199
KNOBLOCH, A. Capacitor banks for a turbulence heating experiment, 22:46102 (IPP-4/50)
Data for a fusion reactor: summary of an IPP lecture series, 25:30590 (EUR-4593, pp 497-512)
Generation of rapid rise current pulses for fast compression experiments, 22:46104 (IPP-4/57)
ISAR II: 500 kJ double-fed linear theta-pinch, 22:46105 (IPP-4/58)
Status report on Garching Tokamak experiment Pulsator, 25:30584 (EUR-4593, pp 411-17)
System planning for a prototype fusion reactor, 25:30593 (EUR-4593, pp 533-8)
Technical experience with Isar-I collector, 22:52731 (IPP-4/65)
Toroidal version of the Isar I theta-pinch experiment, 25:30585 (EUR-4593, pp 419-24)
KNOBLOCH, V. Determination of isotopic carriers in radioactive preparations of high specific activity by radiometric titration. I, 24:13771
Production of carrier free ^{54}Mn, 24:22673 (UJV-2299-CH)
Production of carrier-free radiostrontium ^{85}Sr, 25:4126 (UJV-2431-Ch)
Simple equipment for titration, measurement, and mixing of very small volumes of solution, 24:29186
KNOBLOKH, B. Production of ^{85}Sr on cyclotron, 23:45329
KNOBLOKH, V. Determination possibilities of isotopic carrier and non-isotopic impurity amounts in high specific radioactive preparations, 22:25243 (UJV-1916)
KNOCH, W. Fast contactors in WAK, 23:49894 (KFK-989)
Plutonium—magnesium phase diagram, 23:39000
Stability constants of some actinide complexes. I, 23:9408
Stability constants of some actinide complexes. II, 24:20757
KNOCH, Werner Chemical principles of nuclear fuel processing, 24:31460
Process for separating plutonium from uranium from fission products, 21:28075
Pyrochemical processing of breeder reactor fuels, 21:40969
KNOCHE, Mireille Neutron diffusion in Zr hydride, 23:28228
KNOCKAERT, A. Repair and restoration to power of Saint-Laurent 1 after incident of fuel melting, 25:53918 (A/CONF.49/P-811)
Saint-Laurent I fuel melt down incident, 17 Oct 1969, 25:59924
Working experiment in active environment at Saint-Laurent-des-Eaux power plant, 25:39178
KNODLER, D. Supercritical heterogeneous nuclear reactor, 24:38486
KNOEBEL, H. W. Lower ionosphere electron concentration and collision frequency, 22:2935
KNOEDLER, D. Characteristics of the fabrication of the KWO pressure vessel, 23:15589
Control rods of Obrigheim nuclear power station and their drive mechanisms, 22:30220
Investigations of oscillations of core support structure of KWO [Obrigheim Power Reactor], 23:5987
KNOEDLER, Deithelm Construction of reactor core and of fuel elements in Obrigheim nuclear power station, 22:14183
KNOEDLER, Dietheim Supercritical heterogeneous nuclear reactor, 23:45073
KNOEFEL, S. Dependence of activity yield and specific activity on irradiation time by Szilard—Chalmers processes: metal phthalocyanines, 22:33429
KNOEOES, Stellan Boundary-layer structure in a shock-generated plasma flow. II, 23:12774
Boundary-layer structure in a shock-generated plasma flow. I, 23:12839
KNOEPFEL, H. Explosive megagauss generators for application in experimental physics, 22:21259
Megagauss fields as a transmitting medium for very high pressures, 23:11703
Megaoersted fields, 24:3480
Merits and limitations of explosively driven current generators in fusion research, 25:30562 (EUR-4593, pp 205-17)
Possibilities and limitations concerning the generation of megaoersted fields, 22:51148
KNOEPFEL, Heinz Pulsed high magnetic fields, 25:38513
KNOEPFLE, K. T. ^{31}P(^{3}He,pγ)^{33}S and ^{39}K(^{3}He, pγ)^{41}Ca reactions and the γ decay of analog states in ^{33}S and ^{41}Ca, 25:56715
Reaction ^{90}Zr(^{3}He,d)^{91}Nb at 18 MeV, 25:12613
KNOEPPEL, H. Very-high-density theta—pinch, 23:32382
KNOERNSCHILD, E. Energy converters for nuclear power plants on board satellites, 23:11315
KNOERNSCHILD, Eugen M. Development trends in the field of thermionic energy converters in Germany, 21:9366
KNOERR, B. Continuing upward trend in the uranium industry, 23:35343
Uranium market and nuclear fuel supply for Europe, 23:45419
KNOERR, B. K. Uranium industry with realistic concepts of consumption, 25:58191
KNOERR-GAERTNER, Henriette Chromosome changes in irradiated men, 22:38245
KNOERZER, G. Commissioning of Nuclear Power Station Gundremmingen, 21:42778
KNOEZINGER, H. Dehydration of alcohols over alumina. VIII, 22:42685
Isotope effects in dehydration of alcohols on Al_2O_3, 23:19731
KNOEZINGER, Helmut Adsorption behavior of thorium oxide. I, 24:46790
Dehydration of alcohols on alumina. XII. Kinetic isotope effects in the olefin formation from butanols, 24:31319
Mechanism of ether formation from phenols over ThO_2, 21:58
KNOHL, U. Electric nuclear quadrupole moment of ^{134}Cs, 22:20580
KNOKE, M. Significance and evaluation of a procedure for thyroid diagnosis, 24:9892
KNOLL, G. Fission cross-sections of Pu isotopes, 21:17350 (KFK-450)
KNOLL, G. F. Anisotropy of scintillation response of anthracene to neutron generated recoil protons and carbon ions, 22:40418
Counting of heavily etched fission fragment tracks in polycarbonate, 25:4342
Gamma ray image characteristics in sodium iodide slabs, 23:29198
Measurement of the ^{235}U fission cross section at 30 and 64 keV, 21:42635
New scintillation camera, 23:33466
Thulium-171 isomeric lifetime, 25:5721
KNOLL, Glenn F. Gamma ray image characteristics in sodium iodide slabs, 25:32238
Neutrography in medical research and pathology, 25:49223 (CONF-710402-(Vol.2), pp II.49-58)
KNOLL, K. C. Catalytic oxidation of radioactively contaminated organic wastes, 23:13811 (BNWL-856)
Effect of detergents on adsorption of radionuclides by soil, 23:13852 (BNWL-859)
Mock-up sampler for radioactive Na from FFTF, 25:51764 (HEDL-SA-123)
Mockup sampler for radioactive sodium from FFTF, 25:41535
Program status report: sampling of radioactive sodium from FFTF, 25:18179 (WHAN-FR-36)
Reactions of organic wastes and soils, 23:13812 (BNWL-860)
KNOLL, P. Clinical procedures with /sup 99m/Tc—iron complex in renal scintigraphy, 23:2864
Use of thermostimulated exoelectron emission of LiF in dosimetry, 21:3320
KNOLL, Peter Experiences with colloidal /sup 99m/Tc, 21:34729
Production of radioactive isotopes, 24:16789 (ORNL-tr-2227)
Technology of isotope production. I, 25:8429 (ORNL-tr-2400)
KNOLL, W. Electric conductivity and thermoelectric power of U oxidized at 10^{-3} torr and 500 to 800 deg C, 21:529
KNOLLE, Karlfried Instrument for lunar surface chemical analysis, 21:5817
KNOLLE, Peter Multiple infection by RNA phages. II, 22:36417
KNOLLMAN, G. C. Normal-mode analysis of a superfluid model, 21:43990
Quantum cell model for He II at nonzero temperature, 21:9472
KNOLLMAYER, G. Behavior of radioisotopes released to a stream, 21:15997
KNOOP, E. Literature study of the methods and procedures for decontamination of milk, 21:20225
Possibilities of acquiring rapidly a survey of food contamination, 23:4941
KNOOP, F. W. E. New method to study molecules, 24:37221
KNOOP, H.-U. Measuring wear of rubber tires by absorption of beta radiation, 22:45251
KNOOP, Hans-Uwe Investigation of the primary reactions in the irradiation of single-celled algae with thermal neutron through substitution of ^{14}N and ^{10}B, 25:52255 (JUL-727-BO)
KNOOS, Per Stellan Boundary layer structure in a shock-generated plasma flow, 22:3118
KNOOS, Stellan Analysis of boundary layer structure in a shock-generated plasma flow. I, 21:5267 (N-66-30595)
KNOP, C. M. Growing-wave phenomenon due to collision coupling in electron plasma, 21:3848
KNOP, G. Coulomb scattering of 1 MeV electrons in Al foils, 24:43202
Electromagnetic form factors of proton between 15 and 50 fm^{-2}, 23:8724
Electromagnetic form factors of the proton, 25:30786
Electron—photon cascades in Pb at primary energies of 100, 200, and 400 MeV, 25:36788
Energy distribution of 1-Mev electrons in electron-electron scattering, 21:621
Photoproduction of neutral pions on H, 24:15448
Photoproduction of neutral pions on hydrogen at photon energies between 200 and 440 MeV, 24:49303
Photoproduction of positive pions on H, 24:15447
Photoproduction of positive pions on hydrogen at photon energies between 220 and 425 MeV, 24:49302
KNOP, J. A. H. Sterilization of foodstuffs by means of irradiation. II, 23:29931
KNOP, R. Decays Σ/sup +-/ $\rightharpoonup$ Λ° + e/sup +-/ + ν, 21:33592
New experimental limit on $\Delta S = -\Delta Q$ leptonic decays of Σ^{+} hyperons, 22:7430
Ratio of axial-vector to vector current in the decay $\Sigma^{-} \rightharpoonup$ ne^{-}antiν, 23:36824
KNOP, R. E. Errors in estimation of total events, 24:48324
KNOP, Robert E. Lorentz transformation of probability densities, 22:15736 (ORO-2504-111)
KNOP, Robert Edward Vector—axial vector current ratio in decay $\Sigma^{-} \rightharpoonup$ ne^{-}ν, 25:12076
KNOPF, K. Activation cross section of ^{30}Si for thermal neutrons, 21:4252
Mean effective cross section of the reaction ^{34}S(n,γ)^{35}S for thermal neutrons, 22:18167
Measurement of coherent scattering lengths with Christiansen filters for neutron beams, 25:38849
Production of isomers by (n,n') reactions and application in flux density measurements in reactors, 22:7705
Separation of ^{32}P, ^{33}P, and ^{35}S by β absorption method, 22:5790 (CEA-tr-A-1898)
KNOPP, C. F. Oxidation resistant, high temperature ceramic-to-metal seal compatible with Cs, 21:34949
KNOPP, E. Conference on science of ceramics, Ronneby Brunn, Sweden, 4/69. V, 25:8933
KNOPP, R. Computer renography, 23:48105
Magnetic sheet memory, 23:33422
Studies on intrarenal hippuran kinetics, 25:6728
KNOPS, H. J. F. Extension of invariant partial states in statistical mechanics, 22:35094
KNOR, V. Dosage in telecurietherapy with computer, 23:35753
KNORIN, I. A. Electron-loss coefficient at 200 to 400 km during increasing solar activity, 23:46365
KNORR, B. Civil applications of atomic energy places new accents on U industry of USA and Canada, 22:16726
KNORR, D. Processing data in nuclear medicine with the aid of desk-top computers, 25:58065
KNORR, Frierrich Isotope thickness gauge in automated plate and sheet rolling mill, 25:15960
KNORR, G. Adiabatic electron plasma and its equation of state, 24:49146 (COO-2059-3)
Adiabatic electron plasma and its equation of state, 25:19675
Partition function of a two-dimensional plasma, 23:3471
Prog. rpt. on origin of Van Allen protons, 3/70, 24:37308 (AD-704178)
KNORR, Georg Acceleration of charged particles by stochastic electrostatic waves, 24:35501
Excitation of ion bursts from grids, 25:5122 (COO-2059-4)
Inhomogeneous two-stream instability, 22:24363
Nonlinear behavior of the one-dimensional beam plasma system, 24:49145 (COO-2059-2)
Nonlinear behavior of the one-dimensional weak beam—plasma system, 25:27710
Numerical integration methods of Vlasov equation, 25:5097 (COO-2059-6)
Numerical integration methods of Vlasov equation, 25:59040
Prog. rpt. on stability of pure electron plasma in cylindrical geometry, 8/68, 23:20934 (N-68-36689)
Solution of Vlasov's equation by transform methods, 24:49156
KNORR, Georg E. Prog. rpt. on investigation of nonlinear properties of Vlasov equation and plasmas, 3/70, 24:23950 (COO-2059-1)
KNORR, Juergen Joachim Hubertus Method and apparatus for continuous non-destructive inspection, 23:38218
KNORR, K. Electron tunneling into disordered thin films, 25:40547
Investigation of disordered Sn films by superconducting tunneling, 23:5358
Superconductivity and phonon spectra of disordered thin films, 24:37420
Total neutron cross-sections of Tb, Dy, Ho, Er, Tm, and Lu, 24:38257
KNORR, W. Application of soft magnetic materials in nuclear research, 21:22073
Application of soft magnetic materials in nuclear engineering, 22:2624
Properties and uses of titanium alloys, 23:20503
Titanium: its properties and uses, 23:20506
KNORRE, Helmut Process for the production of hydrides of Ti, Zr, and Th, 22:33365
KNORRE, K. G. Age of crust and entry of ^{4}He and ^{40}Ar in atmosphere, 23:16628
Age of earth crust and dynamics of radiogenic gases (^{4}He and ^{40}Ar) supply to atmosphere, 22:8208
Calcium-40/^{44}Ca and ^{18}O/^{16}O isotopic ratios in some carbonate rocks, 21:3176
KNORRE, U. v. Design of and experiments with pilot mixer—settlers for the Karlsruhe reprocessing plant, 21:32235
KNOSE, F. Ionospheric effect caused by celestial x rays, 23:34322
KNOSKA, S. Eleven year cycle of solar flares and geomagnetic crochets, 23:3228
Eleven-year cycle of solar flares and geomagnetic crochets, 22:17267
Observations of chromospheric flares at Hurbanovo, 25:30175
Time—latitude occurrence of flares in two activity cycles, 22:13091
KNOSP, Helmut Micro reflection measurements on Ti—TiN—TiC and Zr—ZrN—ZrC, 23:36260

  - Optical constants of Ti—TiN—TiC and Zr—ZrN—ZrC, 23:41625
- KNOSPE, W. H. Accelerated regeneration of transplanted hematopoietic stem cells in irradiated mice pretreated with cyclophosphamide, 25:19127
  - Delayed bone marrow aplasia in rats protected against lethal irradiation by allogeneic marrow transplantation, 25:46895
- KNOSPE, William H. Effect of a noncellular spleen-derived factor on recovery of hematopoietic stem cells from irradiation, 25:6658
  - Factors regulating the proliferation and migration of hematopoietic stem cells, 25:19126
  - Regeneration of locally irradiated bone marrow. II, 22:31271
- KNOTEK, O. Hard facing with Co alloys, 22:43588
  - Structural clarification of Co—W—Cr—C—Si alloys, 24:27878
  - Tungsten carbide precipitation-hardening Co—Cr—W—C alloys, 24:10087
- KNOTEK, Otto Metallographic presentation of phases in equilibrium diagrams, 24:12423
- KNOTH, H. Heavy ion transfer reactions in region of Coulomb barrier, 24:49737
  - One-neutron transfer reactions with Be, C, and O nuclei, 25:9988
- KNOTH, Helmut Investigations of some one-neutron-transfer reactions with ^{16}O and ^{19}F beams, 25:12381 (NP-18541)
- KNOTH, J. Burnup determination by γ spectrometry at zero power experiments, 22:10181
  - Calculations of penetration factors of slit shaped collimators and cylindrical gamma-sources with self-absorption, 22:2313
  - Fission gas release from coated particles, 23:17291
  - Method for nondestructive determination of the flux depression within fuel rods, 22:19080
  - Nondestructive burn up determination by γ-spectroscopy. II, 23:47356
  - Precision of non-destructive burnup measurements by γ-spectroscopy on fuel rods of light-water reactors, 24:36036
- KNOTH, W. Effect of x rays on DNA of malignant melanoma cells, 23:22203
- KNOTIK, K. Nuclear fuel particles made of coke granules impregnated with metal carbides, 23:14388
  - Nuclear fuel particles manufactured from a peroxide of uranium, 25:29801
  - Production of spherical fuel particles from aqueous metal—salt solutions, 21:22909
  - Reprocessing of oxidic thorium-containing nuclear fuel particles with chlorine gas, 25:57542
  - Use of oxidizing acid mixtures to disintegrate fuel inserts for gas-cooled high-temperature reactors, 22:35888
- KNOTIK, Karl Method for the extraction of materials embedded in a graphite body, 22:30657
  - Process for disintegrating graphite bodies, 23:39036
  - Process for disintegrating graphite bodies, 24:4356
  - Process for the production of carbide particles, 22:43639
  - Production of spherical particles, 23:38950
  - Production of spherical particles, 23:39023
- KNOTT, H. Steam turbine and associated plant, 21:38618
- KNOTT, J. Calorimetric experiments on reactor EWA-10 in March and December 1968, 25:26028 (INR-1183)
- KNOTT, K. Electric field measurements in a magnetoplasma using the double-probe technique, 25:25089
  - Ionospheric plasma drifts derived from wake measurements, 25:27585
- KNOTT, M. Multiplexing digitized beam information for accelerator users and operators, 23:28154
  - OMNIBUS: a multi-programming executive system for the Zero Gradient Synchrotron control computer, 23:28150
  - On-line computation and presentation of external proton beam line targeting information, 25:50374
  - On-line computer monitoring and optimization of a multiple target proton beam line, 23:28135
- KNOTT, M. J. Argonne ZGS monitor and control computer system, 21:29723
  - Capabilities and uses of a graphic display system as an interface between ZGS computer and human operator, 23:28136
- KNOTT, Martin J. On-line computer preparation of tune profiles of the ZGS, 21:38126
  - Voltage gradient measurements in Argonne injector linac under beam loaded and transient conditions, 22:32275 (CEAL-2000, pp 261-9)
- KNOTT, R. G. A. Plasma diagnostics, 25:17140
- KNOTT, T. F. Beta-ray asymmetry from oriented /sup 110m/Ag, 25:5743
  - Hyperfine magnetic field of ^{124}Sb implanted in iron, 22:11527
  - Nuclear orientation of ^{124}Sb, 22:37357
  - Nuclear orientation of ^{125}Sb, 22:30016
- KNOWLEN, R. B. High-resolution carbon total-neutron cross-section measurements, 24:6835
  - High-resolution neutron time-of-flight measurement, 24:13249
  - Investigation of performance of PIN silicon detectors, 23:16087 (EGG-1183-2183)
  - Measurement of absolute thick-target bremsstrahlung spectra, 22:25667
  - Neutron counting efficiency and charged particle response of NE-213 detector, 23:16086 (EGG-1183-2172)
  - Nonlinear response of NE 102 and MEL 150-C scintillators, 22:4425 (EGG-1183-2158)
  - Transient nonlinear response of plastic scintillators, 22:28064 (CONF-680207-8)
  - Use of 50-picosecond linac beam for high-resolution neutron time-of-flight measurements, 23:37035 (EGG-1183-2211)
- KNOWLES, Barbara B. Radiation levels in the barrel cactus, Ferocactus Wislizeni, 22:40688
- KNOWLES, D. J. Contamination alarm system and contamination system installed in fission products development laboratory, 22:31062 (ORNL-TM-2149)
  - Description of alarm systems in the bulk shielding facility, 21:45372 (ORNL-TM-1874)
  - Description of facility radiation and contamination alarm systems, 21:22132 (ORNL-TM-1767)
  - Description of process radiation monitoring instrumentation in the transuranium processing plant, 22:19098 (ORNL-TM-1774)
  - Facility contamination alarm system in physical examination hot cells, 21:36342 (ORNL-TM-1870)
  - Facility radiation and contamination alarm systems, 21:6200 (ORNL-TM-1668)
  - Facility radiation and contamination alarm systems installed in metals and ceramics laboratory, 21:14436 (ORNL-TM-1669)
  - Facility radiation and contamination alarm systems, 21:24414 (ORNL-TM-1766)
  - Facility radiation and contamination systems installed in molten-salt reactor experiment, bldg. 7503, 21:43228 (ORNL-TM-1127(Rev.1))
  - Facility radiation and contamination alarm system in thorium—uranium recycle facility, 23:19937 (ORNL-TM-2464)
  - Gamma—neutron radiation monitoring system in 5-Mv Van de Graaff accelerator area, 22:25632 (ORNL-TM-2137)
  - Process radiation monitoring instrumentation in Th—U recycle facility, 23:21940 (ORNL-TM-2463)
- KNOWLES, Forrest E. Jr. Separation of calcium—strontium investigated by the use of tracers, 25:41715
  - Statistical limits of accuracy and precision of gross alpha and beta radioactivity measurements in water, 25:44812
- KNOWLES, H. B. High frequency van de graaff ion source kinematics, 23:19095
  - Modification of rf oscillator for high pressure operation, 23:30898
  - Scattering chamber for study of three-body reactions, 21:4714
- KNOWLES, J. Photoproduction of muon pairs at 7 to 9 GeV, 23:30695
  - Photoproduction of muon pairs, 24:51898
  - Search for new vector bosons and a test of quantum electrodynamics, 24:32959
- KNOWLES, J. W. Some advanced research uses of Canadian reactors and accelerators, 25:50193 (AECL-3907)
- KNOWLES, James L. High-strength, low-temperature bonding of Be and other metals, 24:23437 (UCRL-50766)
- KNOWLES, James LeRoy High-strength, low-temperature bonding of beryllium and other metals, 25:22027
- KNOWLES, L. G. Scanning-system parameters, 24:16868
- KNOWLES, P. Fuel supply and management, 24:11128
- KNOWLES, R. Sterilization by gamma radiation of humus in black spruce (Picea mariana), 23:38907
  - Urease activity in a black spruce humus sterilized by gamma radiation, 22:49674
- KNOWLES, S. H. Distribution of ammonia density, velocity, and rotational excitation in the region of Sagittarius B2, 23:39158
  - Effect of mass on frequency during a close approach of pulsar CP 0950 to the sun, 23:6825
  - Further investigations of NH_3 inversion radiation, 25:19366
  - Galactic water vapor emission, 23:51231
  - Interferometer map of the water-vapor sources in W49, 25:30141
  - Lunar occultations of the galactic center region in the 21-cm line of neutral hydrogen, 24:44938
  - Measurements of pulsar arrival times, 25:7002
  - Observations of 1.35-centimeter H_2O emission in southern hemisphere, 25:43051
  - Search for frequency shift of 21-centimeter line from Taurus A near occultation by Sun, 22:13152
  - Studies of H_2O sources by means of a very-long-baseline interferometer, 24:27983
- KNOWLES, Stephen Effect of mass on frequency, 22:41270
- KNOWLES. J. L. High-strength low-temperature bonding of beryllium and other metals, 24:44682
- KNOX, A. E. ANL participation in the FFTF instrument development effort, 22:14244 (ANL-7380, pp 9-14)
  - Design aspects of the proposed EBR-II instrumented subassembly system, 22:14249 (ANL-7380, pp 174-9)
  - EBR-II instrumented-subassembly system: tests 1 and 2, 25:54196 (ANL-7757)
  - Fuel-pin thermocouple hot-zone errors at temperatures up to 2400°C, 21:36433
  - Materials selection problem as related to thermocouples used to measure nuclear reactor fuel pin temperatures up to 2800°C, 21:32517
- KNOX, Alvin E. FARET in-core instrument development, 21:15762 (ANL-7161)
- KNOX, C. F. Cherenkov and cyclotron instabilities in a plasma stream, 21:20990
- KNOX, C. H. Analysis of sodium with spark source mass spectrometer, 23:31274 (AI-AEC-Memo-12719)
  - Helium production cross sections for elements irradiated in EBR-II, 24:33123
  - Sodium analysis with spark source mass spectrometer, 23:45175 (AI-AEC-12835)
- KNOX, Clifford H. Determination of very low levels of helium in metals, 23:2224
- KNOX, F. B. Comment on ion-acoustic waves in the auroral plasma, 25:40454
  - Growth of a packet of finite amplitude vlf waves, 23:12663
  - Morphology of the vhf radio aurora at sunspot maximum. IV, 22:19873
- KNOX, H. H. Deuteron production in nuclei by protons of from 1 to 3 GeV, 24:1769
  - Single detector method for high resolution internal conversion coefficient measurements, 23:35497
- KNOX, H. O. Computation of wave functions for the helium isoelectronic sequence, 24:21552
  - Line strengths for transitions between doubly excited states and 2 ^{3}S state of He, 23:34270
- KNOX, J. B. Airborne radiation from the nuclear power industry, 25:21205
  - Comparison of U.S. and U.S.S.R. methods of calculating the transport, diffusion, and deposition of radioactivity, 25:54782 (UCRL-51054)
  - Predictions of long distance radioactivity and radiation doses to man in 13 hypothetical excavation applications, 25:46577 (UCRL-50936(Rev.2))
- KNOX, J. M. Morphological and biochemical changes in epidermal nuclei and nucleic acid following ultraviolet exposure, 22:49253
  - Photochemical movement of cholesterol in skin, 23:29354
- KNOX, John M. Destructive energy of sunlight, 22:51972
  - Effects of uv light on skin cholesterol, 22:51338
  - Effects of uv radiation in albino mouse skin, 23:29751
  - Energy requirements for response of skin to monochromatic wavelengths of uv present in solar spectrum, 21:24570
  - How I treat actinic and seborrheic keratoses, 21:24499
  - Skin cancer and the Sun, 22:28641
  - Treatment of skin cancer, 21:30847
- KNOX, Joseph B. Nuclear excavation: theory and applications, 23:2455
  - Nuclear excavation: theory and applications, 23:49983
  - Radioactivity released from underground nuclear detonations, 24:31526 (UCRL-50230(Rev.1))
  - Reappraisal of the application of static equilibrium theory to decoupling, 21:24129 (UCRL-50182)
  - Technical problems and future cratering experiments, 23:21848 (UCRL-71491)
  - Technologies currently used in nuclear explosives engineering, 23:24335 (UCRL-71628)
  - Water quality in flooded nuclear craters, 23:15997 (UCRL-50531)
- KNOX, K. C. Polarimeter for isobaric analog state spin measurements, 22:36154
  - Three-axis goniometer for channelling experiments, 24:29606
- KNOX, Kerro Crystalline structures of USb_3O_{10} and $USbO_5$, 25:772
- KNOX, Kirvin L. Metabolism of radioactive Cs and K by dairy cattle, 22:30978
- KNOX, N. G. Strains of Streptomyces tenebrarius and biosynthesis of nebramycin, 25:46787
- KNOX, R. M. Near field instrumentation, 24:46535 (BRH/DEP-70-16)
- KNOX, Richard TIBRO-GENERAL, 24:49151 (UCRL-50910)
- KNOX, Richard J. Elemental analysis using neutron inelastic scattering, 21:12601
  - Elemental analysis using neutron inelastic scattering, 23:13655 (UCRL-14654(Rev.1))
- KNOX, Robert McLaren Improvements relating to TR cells, 23:9796
- KNOX, W. Eugene Effects of irradiation and starvation on the regulation of rat liver enzymes, 21:20396
- KNOX, W. J. Elastic scattering of 36.0- and 46.3-MeV neutrons from deuterium, 25:7804
  - Energy measurements of 20 to 60 MeV neutron beam of Davis 76-inch isochronous cyclotron, 25:10861
  - Measurement of double Compton cross section, 21:9691
  - Precise measurement of neutron—proton total cross section from 25 to 60 MeV, 25:17694
  - Production of medium-energy neutrons from proton bombardment of light elements, 25:45874
- KNUDSEN, E. Kidney constant calculator, 23:33753 (RISO-M-878)
  - Simulation of the radiohippuran renogram test on an analogue computer, 21:41353
- KNUDSEN, Edgar Existence of echoes from unusual whistlers, 21:7091
  - Simultaneous analysis of whistlers at three adjacent recording stations at high magnetic latitudes in Sweden, 22:9209
- KNUDSEN, H. K. Modern control aspects of nuclear reactors, 23:7415 (SC-CR-68-3739)
- KNUDSEN, Hardy Root development of some cultivated plants in sandy soil, 21:11126
- KNUDSEN, Harold K. Research on the design of near-optimal controllers, 25:54378 (SC-CR-715127)
- KNUDSEN, I. Fluoride volatility studies on Pu-bearing fuel materials, 23:38051
- KNUDSEN, I. E. Generalized computer program for flowsheet calculation and process data reduction, 21:3142 (ANL-7197)
  - Preparation of ceramic-grade UO_2 from UF_4 by a direct conversion process, 24:6251
- KNUDSEN, Irving E. Oxidation reduction procedure for particle-size reduction of UO_2, 21:39681
  - Uranium oxide fluorination, 24:16652
- KNUDSEN, J. Ehlert System planning in Denmark with large nuclear units, 23:13432
- KNUDSEN, J. G. A natural-convection model for predicting elemental iodine transport in containment vessels, 23:4279
  - Fission product transport by natural processes in containment vessels, 23:15652 (BNWL-943)
  - Properties of air—steam mixtures containing small amounts of iodine, 24:29429 (BNWL-1326)
- KNUDSEN, James G. Conference on heat transfer, Los Angeles, 8/65, 21:36247
- KNUDSEN, K. D. Compilation of test fuel data of the 1964-66 test fuel programme, 22:22700 (HPR-81)
  - Irradiation behavior and post-irradiation examination of Swedish test assembly IFA-30, 25:20735 (HPR-127)
  - OECD Halden Reactor Project, 25:5946
  - Studies of fuel-clad mechanical interaction and the resulting interaction failure mechanism, 25:54281 (A/CONF.49/P-295)
- KNUDSEN, L. K. Cavitation damage studies with rotating disk in water, 21:20498

- KNUDSEN, P. Joining methods applied to sintered aluminium products, 21:36806 (RISO-145)
  - Joining methods applied to sintered aluminum products, 23:30118
- KNUDSEN, Per Preparation of isotope targets by heavy-ion sputtering, 25:59637 (CONF-711002-, pp 109-15)
  - Review of Danish irradiation experiments in HBWR, 25:32844 (RISO-M-1350)
- KNUDSEN, W. C. Equatorial vlf hiss and intense fluxes of soft electrons, 22:52636
  - Gravity waves in the F region, 23:10504
  - Ion temperature and relative ion composition measurements from a low-altitude polar-orbiting satellite, 22:5227
  - Molecular ion concentration around a dawn—dusk auroral-zone satellite orbit, 21:23115
  - Neutral atmosphere wave generation by the equatorial electrojet, 23:42068
  - Underside morphology of the F2 ionospheric layer, 24:37333
- KNUDSEN, William C. F2-region electron concentration enhancements, 22:52645
  - Geographic distribution of F-region electrons with about 10-eV energy, 22:15434
  - Helium-4 and ^{40}Ar concentration in Cytherean atmosphere, 24:4985
  - Ion temperatures measured around a dawn—dusk auroral-zone satellite orbit, 21:13445
  - Tropical ultraviolet nightglow from oxygen ion—ion neutralization, 24:39945
- KNUDSON, A. R. Aluminum x-ray satellite enhancement by ion-impact excitation, 25:40346
  - Detection of chlorine by charged-particle-induced reactions, 24:31289
  - Nuclear-detection method for sulfur in thin films, 21:27906
  - Reaction ^{14}N(^{3}He,α)^{11}N, 25:3590
- KNUDSON, George E. Quantitative determination of potassium by natural radioactivity, 22:10178
- KNUDSON, S. A. Dynamic response of slender tubes in parallel flow when subjected to time varying boundary conditions, 24:52870 (ANL-7685, pp 64-90)
- KNUDSON, Stephen K. Lyman-α excitation and resonant charge exchange in slow H^+—H(1s) collisions, 24:17680
  - Variation-perturbation treatment of scattering problems. I, 25:16815
- KNUEPFER, W. Static quadrupole moment of first excited 2^+ state of ^{152}Sm and ^{166}Er by Coulomb excitation with ^{16}O-ions, 24:49814
- KNUFELMANN, Manfred Apparatus for continuously measuring the cross-section of wire, 25:55062
- KNUNYANTS, I. L. New method of preparation of aromatic fluorine-containing compounds (anodic substitution of fluorine for hydrogen), 25:41685 (BNL-tr-434)
  - Preparation and radiation protective properties of some derivatives of beta-mercaptopropionic acid, cystamine, and cysteamine, 22:43378
- KNUSELMAN, A. R. Pionic transition in ^{138}Ba, ^{140}Ce, and ^{142}Ce, 25:2896
- KNUT, R. Theory of sunrise effects in lower ionosphere, 24:39965
- KNUTH, E. L. Densities and speeds in an arc-heated supersonic argon beam, 22:19782
- KNUTH, Eldon L. Measurement of Ar—Kr and Ar*—Kr cross sections, 24:19759
  - Measurement of excitation and ionization in an arc-heated supersonic argon beam, 21:33146
  - Metastable atom detection system for ground state atom beams, 23:41176
  - Molecular-beam time-of-flight spectroscopy, 23:17838
  - Scattering in particle—surface collisions with energies of order of 1 eV, 22:983
  - Supersonic molecular beam and application to molecule—molecule collision, 22:933 (AGARD-CP-12(Vol.1), pp 277-338)
- KNUTH, H. Tests of a tube-in-tube sodium-heated steam generator, 23:45437 (ANL-7520(Pt.1), pp 335-44)
- KNUTH, K. R. Alpha-particle scattering by ^{36}Ar, 25:12455
- KNUTH, M. Mutations through x-radiation also possible with green plants, 21:24393
  - Some physics aspects in the design of a carbide-fueled fast breeder, 24:7098
- KNUTH, P. Acceleration of ascites tumor growth rate by serial transplantation, 23:6390
- KNUTH, R. Development of storms in the lower ionosphere at medium latitudes, 22:34400
  - Ionospheric absorption measurements during sunrise effect in D region, 25:1071
  - Ionospheric conditions following the proton flare event of July 7, 1966. I, 23:22829
  - Precipitation of high-energy particles into the upper atmosphere at medium latitudes after magnetic storms, 21:35092
- KNUTH, R. H. Evaluation of two portable thermal aerosol generators for in-place filter testing, 21:30576 (CONF-660904-Vol.1 and 2, pp 763-80)
- KNUTSEN, A. B. High temperature corrosion of Nimonic-75 and various steels in gases at low partial pressures, 25:4738 (DP-Report-527)
  - High-temperature corrosion of Nimonic-75 and various steels in gases at low partial pressures, 23:41549
- KNUTSEN, Gjert Slide projector as an inexpensive automatic sample changer for radioactivity measurements, 23:17763
- KNUTSON, C. F. Process for stimulating petroliferous subterranean formations with contained nuclear explosions, 25:34772
  - Sandstone continuity in the Mesaverde Formation, Rulison field area, N. W. Colorado, 25:21157 (PNE-R-37)
  - Why nuclear geostorage systems for petroleum, 24:41538 (CONF-700101-(Vol.2), pp 1322-42)
- KNUTSON, D. S. Special diagnostic devices, 25:36090 (MATT-838)
- KNUTSON, L. D. Charge-exchange collisions between metastable hydrogen atoms and iodine molecules, 25:9218
- KNUTSON, Richard E. Digital data sorting logic system, 23:2717
- KNUTSON, Thomas Effect of an electromagnetic field on early embryogenesis in quail, 24:39562
- KNUTSSON, G. Laboratory evaluation of ^{51}Cr—EDTA as tracer for groundwater flow, 22:19074
- KNUTSSON, Per-Goeran Activities of the IAEA in application of nuclear techniques to animal sciences, 25:24198
- KNUYT, G. Thick-target bremsstrahlung spectra, 25:17618
- KNUYT, G. K. Ion density in ionizing beams, 23:25344
- KNYAZEV, B. A. Electron recombination in inert gases, 24:3348
- KNYAZEV, B. R. Detachable electron gun, 22:7586
  - Measuring Q of superconducting resonators with traveling-wave tube, 25:45429 (UCRL-Trans-1437)
- KNYAZEV, D. A. Equilibrium isotope effects of complex compounds, 25:37361
  - Isotope exchange reactions. VIII, 25:34585
  - Isotopic exchange in extraction systems that contain molybdenum chelates, 23:13732
  - Isotopic exchange laws. VII, 25:4072
  - Mass-spectrometric analysis of isotopic composition of some transition elements, 25:31799
  - Mass-spectrometric analysis of the isotopic composition of iron in the gas phase, 25:54404
  - Method of precision gas mass-spectrometric analysis of the isotope composition of Mo, 23:15785 (ANL-Trans-720)
  - Partition function ratios of isotopically substituted molecules, 21:34326
  - Possibility of isotope separation of intermediate and heavy elements through chemical exchange, 23:17520 (ORNL-tr-2100)
  - Regularities in isotopic exchange thermodynamics. V, 22:4261
  - Regularities in thermodynamics of isotopic exchange. III, 21:40972
  - Rules of thermodynamics of isotopic exchange. VI, 23:37966
  - Separating isotopes of elements of medium and high mass by chemical exchange, 23:409
  - Separation of iron isotopes by chromatography, 24:41411
  - Some laws in the thermodynamics of isotope exchange, 21:32169
  - Thermodynamic isotope effects of hydrides, 23:24156
- KNYAZEV, V. A. Emergency personal n-γ radiation dosimeters, 25:10881
  - Monitoring of boiling-type atomic power stations environment, 24:45991
  - Radiation in VK-50 boiling reactor, 24:33218
  - Radiation safety at high energy accelerators, 23:49282
  - Radiation safety norms (NRB-69), 24:48583
- KNYAZEV, V. K. Effect of nuclear radiation on the physicomechanical properties of lacquer coatings, 25:2822
  - Radiation stability of lacquer coatings, 25:58420
- KNYAZEV, V. M. High-voltage nanosecond pulse generator, 23:31554
  - Large memory storage spark chambers, 21:298
  - Shark detector shower particle recording efficiency, 21:6299
  - Spark gap for operation with spark chambers, 25:18782
  - Thyristor high-voltage pulse generators, 25:21427
  - Universal magnetic spectrometer with 0.15 percent resolving power at maximum pulse of 60 GeV/c, 25:26507 (NP-18764)
- KNYAZEV, Yu. D. Structure of aquocomplexes of U(IV), 24:41294
- KNYAZEV, Yu. R. Apparatus for the production and investigation of high-pressure heavy-current long arcs, 25:3112
  - High-pressure pulsed arcs in helium and hydrogen, 21:31455
  - Pulse heating in a high pressure argon arc, 21:16900
  - Pulsed arcs in argon and helium at microwave frequencies, 24:47261
  - Pulsed argon arcs at pressures up to 1000 atm, 21:35197
  - Strong-current pulsed arc in hydrogen at pressure of 400 atm, 24:10566
- KNYAZEV, Yu. V. Influence of magnetic transition on Faraday effect in EuO, 25:25241
  - Optical properties of Gd, Sm, and Dy in spectral range 1.13 to 3.96 eV, 25:59187
- KNYAZEVA, E. M. Interaction of zirconium(IV) with pyrocatechol violet, 22:27579
- KNYAZEVA, G. D. Construction of uranium-graphite channel reactors with tubular fuel elements and nuclear superheat of steam, 25:48139
  - Design of uranium—graphite channel reactors with tubular fuel elements and nuclear steam superheating, 25:34199 (JPRS-53069, pp 107-17)
  - Starting methods and experience in operation of uranium—graphite channel type reactors with tubular fuel elements and nuclear superheating of steam, 25:34227 (JPRS-53069, pp 83-95)
- KNYAZEVA, I. M. Study of the composition of oxide coatings using radioisotopes, 25:57660
- KNYAZEVA, L. N. Absolute spectral energy distribution for 18 type B5—M2 stars, 22:13117
- KNYAZEVA, N. A. Investigation of potassium pentafluorouranylate by infrared spectroscopy, 23:31354
  - Theoretical analysis of oscillations of uranyl complexes of UO_2X_4 type with tetragonal base in equatorial plane, 21:25855
  - Theoretical analysis of the oscillation of uranyl complexes with four dissimilar ligands in equatorial planes, 21:25856
  - Theoretical and experimental studies of ir absorption spectra of complex uranyl compounds with a tetragonal basis in the equatorial plane, 22:2042
- KNYAZEVA, T. A. Diurnal, seasonal, and 11-year variations of electron density profile in the lower ionosphere, 25:47421
- KNYAZHANSKII, M. I. Complex compounds of Ti(IV), Sn(IV), and Th in aromatic and heterocyclic azomethines, 22:8076
- KNYAZKOV, O. M. Higher approximation effects in internal conversion processes, 25:5844
- KNYAZ'KOV, V. A. Investigation of parity nonconservation in the reaction $n + p \rightarrow d + \gamma$, 24:30443
- KNYAZYUK, L. V. Calculations of optimum focusing distance for mass radiographic study of objects with longitudinal welding seams, 22:43011
  - Use of betatron for radioscopy of thick-walled objects in the Ural Machine Works, 22:44551
- KNYAZYUK, V. S. Distribution of concentration and density of particle flux in vicinity of small body moving in rarefied plasma, 21:39908
- KNYPL, E. T. Efficiency of refining of acetic acid from inorganic impurities by normal freezing method by radioisotopic technique, 21:38888
- KNYSH, I. T. Estimation of radioisotope diagnosis of skeletal tumors, 25:44847
- KNYSTAUTAS, E. J. Analysis of the N^+—Ar and O^+—Kr collisions, 25:11711
  - Coincidence measurements of krypton—krypton collisions, 22:50032
  - Q values for N^+—Ar and O^+—Kr collisions, 24:21578
- KNYSTAUTAS, Emile J. Q structure and inner-shell vacancies in neon—neon and krypton—krypton collisions, 22:38744
- KNYSTAUTAS, Emile John Coincidence study of nitrogen ion—argon atom collisions at kilovolt energies, 25:11704
- KNYSZYNSKI, A. Dialysable agent involved in the stimulation of thymic regeneration following injury, 23:45789
  - Regeneration of bone marrow cells and thymus induced by 19S alpha-2 globulin in irradiated mice, 22:28566
- KNYSZYNSKI, Ahuva Effect of 19S alpha-2 globulin from human serum, 24:595
  - Haptoglobin and irradiation in mice, 25:44908
  - Inhibitory action of RLP on radiation leukemogenesis in mice, 22:31136
  - Stimulation of thymic and bone marrow regeneration in irradiated mice, 24:851
- KNYTL, V. Mutants resistant in winter wheat, 24:23170
- KO, Che-ming Evaluation of perturbation theory terms in nuclear matter, 23:15528
- KO, Chiung-hui Activation analysis of trace impurities in aluminium, 21:2967
- KO, E. C. F. Studies on decomposition of tetraalkylammonium salts in solution. IV, 25:20981
- KO, H. C. Bibliography of solar proton events and related phenomena, 23:44096 (AD-685767)
  - Electron temperatures of ionized nebulae derived from Hβ and radio flux densities, 21:31145
- KO, Roy Determination of rare earths in plutonium—uranium mixed oxides, 25:12922 (WHAN-SA-44)
  - Total burn spectrographic analysis of plutonium oxide, 24:38704 (BNWL-SA-2546)
  - Total-burn spectrographic determination of silicon in plutonium, 21:21889
  - Use of amine extraction and emission spectrography in the analysis of plutonium, 25:12923 (WHAN-SA-47)
- KO, Sung-hwan Stability of plane Poiseuille flow with finite conductivity in aligned magnetic field, 22:46002
- KO, W. Pattern recognition of four prong events, 23:33517 (ANL-7515, pp 412-20)
- KO, Winston Scaling and factorization in $K^+ + p \rightarrow \pi^- +$ anything, 25:33565
  - Strange-particle production by 1.7-GeV/c π^+ on protons, 24:45438
  - Symmetric π^- production from $K^+ + p \rightarrow \pi^- +$ anything at 12 GeV/c, 25:43557
- KO, Y. C. Measurement of reactor noise by means of a multiscaler analyzer, 21:8059
  - Measurement of THOR transfer function by the method of reactor noise analysis, 21:30200
  - Study of two detector correlation method for noise measurements, 21:28321
- KO, Youn Kyu Alpha energy distribution of ^{7}Li(p,α)^{4}He reaction, 23:3956
  - Au—Si surface barrier semiconductor nuclear particle detectors, 22:23277
  - Silicon solid-state detector produced by lithium ion implantation, 23:17770
- KO, Youn-kyu Lithium ion source, 21:40331
  - Reaction ^{7}Li(p,α)^{4}He, 21:42569
- KOBA, I. I. Research on 100-MeV electron storage ring of Technical Physics Institute of Ukrainian Academy of Sciences, 25:12307 (KHFTI-69-27)
- KOBA, T. 10 MHz decimal counter with logic gates, 23:41133 (INR-1052)
- KOBA, Teresa Nonoverloading linear pulse amplifier, 22:49142 (INR-917)
- KOBA, V. S. Method of infrared spectroscopy of radiation stability of series of vinyl aromatic polymers and copolymers, 23:28907
- KOBA, V. V. Low-temperature plasma generators, 23:48916
- KOBA, Z. Cross-channel isospin analysis of peripheral single-pion production processes, 25:17490
  - Double and multiple Breit-system helicity amplitudes, 23:10864
  - Generalized Veneziano model for n particles, 24:15572
  - Generalized Veneziano model for n particles, trajectories with signature, 24:49446
  - Graphical illustration of isospin analysis in single-pion production, 25:28039
  - Isospin analysis of pion and nucleon resonance production in NN collisions, 25:20030
  - Proceedings of the X Cracow school of Theoretical Physics. II, 25:33668 (INP-713(Vol.2))
  - Reaction amplitude for n-mesons, 23:34583

  - Statistical concepts applied in studying generalized Veneziano model, 25:30766
  - Veneziano n-point function, 25:28014
  - Veneziano n-point function symmetric representations and their implications, 25:33688 (INP-713(Vol.2), pp 55-84)
- KOBA, Ziro Crossing relations of double Breit system helicity amplitudes, 22:48377
  - Generalized Veneziano model, 24:6717
  - Invariant measure and three-cluster representations of Veneziano n-point function, 24:49448
  - Manifestly crossing-invariant parametrization of n-meson amplitude, 23:49138
  - Space—time distribution of heavy penetrating particles (quarks) in extensive air showers, 21:13701
  - Structure of overlap function and peripherality of production processes, 23:10865
- KOBAL'-CHUK, B. M. Pulsed source for heavy, short-duration electron currents, 23:14632
- KOBALE, M. Radiation influence of electronic components in space flight, 23:45602
- KOBARENKOV, A. P. Laboratory electron gun, 22:7579
- KOBAYAKAWA, H. Differential cross-section and recoil proton polarization of eta-meson photoproduction at 890 MeV, 25:47716
  - Monte Carlo calculation of energy spectra on a γ-counter in detection of eta^0 and π^0 mesons, 25:49004
  - Observations of approximately 15 GeV cosmic ray photons by means of spark—emulsion-chamber, 22:10559
- KOBAYAKAWA, Hisashi Polarization of recoil protons from the photoproduction of eta-meson, 21:46459
  - Polarization of recoil protons from neutral pion photoproduction, 22:44306
- KOBAYAKAWA, K. Fluctuations and nuclear interactions in the energy loss of cosmic-ray muons, 21:17086
- KOBAYAKAWA, Keizo Muons in super-high energy region, 25:25387
- KOBAYAKAWA, Mikio Ion—electron change-over type electrostatic particle accelerator. IV, 23:10897
- KOBAYAKAWA, Toru Heavy water leakage and its countermeasures in JRR-2, 21:25727
- KOBAYASHI, Akira All-transistorized electronic instruments for nuclear reactors, 23:43160
- KOBAYASHI, Akizo Hadron reactions and urbaryon rearrangement, 25:40963
  - Multiple production processes and rearrangement of sakatons, 25:12186
  - Strange spin formalism for hadrons, 22:50360
- KOBAYASHI, Chiaki Device for observing an ion beam produced in charged-particle accelerators, 22:35184
- KOBAYASHI, Eiichi Molecular weight distribution of polyoxymethylene obtained in solid-state postpolymerization of trioxane induced by γ rays, 22:42744
- KOBAYASHI, F. Separation of uranium isotopes by chemical exchange, 24:50456
- KOBAYASHI, Fumiaki Ion exchange method for separating uranium isotopes, 25:15736
  - Isotope separation by multiple contact. I, 21:25951
  - Isotope separation by multiple contact, 22:4242
- KOBAYASHI, Gisen Determination of mercury in gas by radio activation analysis, 23:15821
- KOBAYASHI, H. Heat transfer to liquid helium in simulated channels of superconducting pancake coil, 25:45391
- KOBAYASHI, Haruo Properties of superconducting thin tin films, 22:52717
- KOBAYASHI, Hironobu Total ground deposition of ^{90}Sr in Japan. I, 23:47650
- KOBAYASHI, Hiroo Biological dosimetry at the time of a radiation exposure, 21:32646 (JAERI-4040)
  - Effect of ionizing radiation on the leukocyte alkaline phosphatase, 23:31657
  - Effect of irradiation on leukocyte alkali phosphatase. III, 23:41461
  - Health administration at JAERI, 22:19355 (JAERI-1150)
  - Influence of irradiation on leukocyte alkaline phosphatase. I, 23:31645
  - Influence of irradiation on leukocyte alkaline phosphatase. II, 23:31644
- KOBAYASHI, Hiroshi Outbreaks of leukemia in Japan, 24:31464
- KOBAYASHI, Hisanobu New method of determining dew point by scattering of β rays, 25:21458
- KOBAYASHI, Hisayasu Flux instabilities in high field superconducting wires, 24:45198
- KOBAYASHI, Ichiro Radiation-induced mandibular necrosis, 21:18164
  - Radioinduced mandibular necrosis cases, 21:22569
- KOBAYASHI, Isao Re-evaluation of the effect of estrogen on thyroid activity in the rat and its mechanism, 21:8685
- KOBAYASHI, Iwao Buckling correction for experimental power distribution within fuel assemblies, 24:22490
  - Critical experiment and analysis on core for nuclear ship reactor, 23:9222 (JAERI-1166)
  - Nuclear reactor with two-dimensional reactivity control, 23:28643
- KOBAYASHI, Jindo Biological protection mechanism of radioprotectors on mammalian cells. V, 21:1781
  - Biological protection mechanism of radioprotectors on mammalian cells. III, 21:1785
  - Biological protection mechanisms of radioprotectors on mammalian cells. VI, 21:398
  - Biological protection mechanisms of radioprotectors on mammalian cells. IV, 21:1783
  - Biological protection mechanisms of radioprotectors on mammalian cells. VII, 21:22623
  - Biological protection of radioprotectors in mammalian cells. VIII, 21:45693
  - Biological protection of radioprotectors in mammalian cells. IX, 21:45694
  - Irradiation effects on the bound water of mammalian tissues, 24:2580
  - Studies of the irradiation effects on cells. VI, 21:8947
- KOBAYASHI, K. Electrical discharge sintering and graphitization of carbon powders, 22:13051
  - Method of measuring thermal diffusivity by step-function heating, 23:23238 (AERE-Trans-1102)
- KOBAYASHI, Kaneo Level measurement in the process of glass production, 23:9782
- KOBAYASHI, Kathuhei Average cross section for the ^{232}Th(n,f), 25:28409
- KOBAYASHI, Katsuhei Cross section for ^{103}Rh(n,n')/sup 103m/Rh reaction, 23:52151
  - Fast neutron flux measurements using ^{103}Rh(n,n')/sup 103m/Rh reaction, 23:5867 (KURRI-TR-42)
  - Fast neutron spectra from natural uranium target bombarded with high energy electrons, 25:36767
  - Measurement of fast neutron spectra by threshold detectors, 23:2558 (KURRI-TR-27)
  - Measurement of fast neutron spectrum with ^{6}Li and ^{3}He sandwich counters, 24:25295 (KURRI-TR-67)
  - Measurement of fast neutron spectrum with threshold detectors, 24:25294 (KURRI-TR-61)
  - Measurements of angular distributions and energy spectra of photoneutrons from lead targets bombarded by high energy electrons, 25:31317
  - Measurements of average cross sections for some threshold reactions for neutrons with fission-type reactor spectrum, 25:28273
  - Measurements of neutron flux and spectrum at KUR irradiation facilities, 24:26808 (KURRI-TR-60)
  - Neutron flux and spectrum at irradiation facilities of KUR, 23:49596
- KOBAYASHI, Katsutoshi Design of facilities for production of ^{32}P, 24:31572
- KOBAYASHI, Kazuo Neutron detectors for nuclear reactors, 23:24449
- KOBAYASHI, Keiji Second neutron measurements symposium, 25:4320 (KURRI-TR-59)
- KOBAYASHI, Keinosuke Paracrystalline structure of polymer-crystal lattice distortion induced by electron irradiation, 25:2234
- KOBAYASHI, Keisuke Flux synthesis using Green's function in two-dimensional group diffusion equations, 22:14318
  - Solution of group-diffusion equation using Green's function, 21:21379
  - Solution of one-dimensional group-diffusion equation by Laplace transformation, 22:1571
- KOBAYASHI, Kiyoshi Movements of generating vapour bubble in saturated pool boiling. II, 25:15831
  - Movements of generating vapour bubble in saturated pool boiling. I, 25:18582
- KOBAYASHI, Kiyosi Permanent-magnet flowmeter for liquid sodium. II, 24:11862
- KOBAYASHI, Kousuke Relative responses of organic compounds in ionization detector, 22:6587
  - Relative responses of organic compounds in radioactive ionization detector, 23:4808 (NSJ-tr-128)
- KOBAYASHI, Kozo Three-dimensional canonical algebra and SO(4,2) dynamical group, 25:9832
  - Unitarity condition of S-matrix for high energy elastic scattering, 21:35351
- KOBAYASHI, M. Activable tracer study of distribution of insecticide sprayed from a helicopter, 24:31606
  - Effects of γ irradiation on phosphorus oxyacids, 23:31383
  - Industrial applications of radiation and radioisotopes in Japan, 25:51479 (A/CONF.49/P-827)
  - Kinetic isotope effect in the sulfonylation reaction, 22:16512
  - Negative pion production from neutrons by polarized γ rays, 22:52918
  - Production of quasi-monochromatic polarized bremsstrahlung from a single crystal of silicon, 21:29784
  - Prototype of drift tube quadrupole magnets, 25:14849 (SJC-A-70-6)
  - Pulsed-bed approach to fluidization, 25:46473
  - Status of isotope applications in Japanese industry, 24:31283
  - Structure of forward peak of elastic proton—proton scattering, 24:28568
- KOBAYASHI, Makoto Chiral symmetry and eta—X mixing, 25:17541
  - Lepton—hadron collisions, 25:40944
  - Nonlinear realizations of groups and chiral transformations in the quark model, 24:47494
  - Single pion production in low energy pion—nucleon scattering, 23:42678
  - Symmetry breaking of the chiral U(3) x U(3) and the quark model, 25:53269
- KOBAYASHI, Masaaki Angular asymmetry in pair production, 24:26405
  - Coherent bremsstrahlung from Si single crystal. II, 21:2302
  - Field measuring system of drift tube quadrupole magnets, 25:31047 (SJC-A-71-1)
  - Multichannel pulse-height analyzer as recording device of wire spark chamber, 24:19217
  - Pole shapes for drift tube quadrupole magnets having circular pole tips, 25:47995 (SJC-A-71-4)
  - Precise center-settling device for quadrupole magnets, 25:53440
  - Production asymmetry in $\gamma + n \rightarrow \pi^- + p$ process with polarized photons, 24:37603
  - Wire spark chambers in polarization measurements of bremsstrahlung, 24:36554 (INSJ-117)
- KOBAYASHI, Masanori Baryon decays and Regge recurrence series, 24:13089
  - Condition for Regge asymptotic behavior, 25:56579
  - Crossed channel exchange and Regge asymptotic behaviour of scattering amplitudes, 25:53381
  - Electromagnetic form factors of nucleons, 24:18119
  - Energy dependence of the slope of the forward peak in elastic proton—proton scattering, 25:3417
- KOBAYASHI, Masao Gamma irradiation in medicinal plant breeding. II, 25:19151
- KOBAYASHI, Masaru Effects of ageing on magnetic properties of roll-flattened Mo—Permalloy ribbons, 22:31366
  - Magnetic and switching properties of fine Mo-permalloy ribbon, 23:12305
  - Magnetic stress sensitivity of roll-flattened Mo—Permalloy ribbons, 22:31367
  - Pulsed-bed approach to fluidization, 24:20941 (ANL-7592)
- KOBAYASHI, Masatoshi Activation analysis of Br by 14-MeV neutrons in tracer study of river flow, 22:41
  - Application of activation analysis on stream flow measurement, 21:14393
  - Calibration curves in gamma—gamma logging, 24:31754
  - Investigation of crimes etc. by activation analysis, 22:33260
  - Metallurgical application of radioactivation method, 24:5645
  - Nondestructive testing of jet-engines by using ^{192}Ir, 23:40962
  - Optical transfer function in ^{192}Ir radiography, 24:7638
  - Radiographic inspection of aircraft fuselage using a ^{170}Tm gamma source, 25:44564
  - Survey of flow and contamination of river by activation analysis of tracer, 22:6268
- KOBAYASHI, Masatosi Radioisotopes and rare metals, 24:41624
- KOBAYASHI, Massaharu Application of activation analysis to the evaluation of textile stain removal property, 24:22608
- KOBAYASHI, Michio Aromatic sulfonylation. I, 24:20785
  - Primary kinetic isotope effect for phenylation with phenyl radical, 24:4299
- KOBAYASHI, Michiyuki Reactor instrumentation and safety systems in the first nuclear-powered ship, 24:2046
- KOBAYASHI, Mitsue End-group analysis by neutron activation. Determination of molecular weight of α-lin-poly-p-xylylene, 25:4430
  - Hot atom chemistry of phenylsulfur compounds, 23:43375
  - Hot atom chemistry of phosphorus compounds. II, 23:256
  - Hot atom chemistry of phosphorus compounds. III, 23:37991
  - Recoil products of inorganic phosphorus oxyacids. I, 25:21074
  - Recoil products of inorganic phosphorus oxyacids. II, 25:21073
- KOBAYASHI, Nobuo Low-energy ion—neutral reactions. I, 23:48742
- KOBAYASHI, Nobutake Dynamic behaviors of natural circulating BWR, 23:33044
- KOBAYASHI, R. M. Radiation-sterilization of the Mediterranean fruit fly (Diptera: tephritidae): Comparison of spermatogenesis in flies treated as pupae or adults, 25:42751
- KOBAYASHI, Reido Additivity assumption and scaling factor in Regge theory, 24:13088
  - Baryon resonances in a quark model, 21:7514
  - Total cross sections and relations between reduced Regge residues, 23:46734
- KOBAYASHI, S. Calculations for H_2O-moderated lattices of UO_2—4 wt. percent PuO_2 fuel rods, 21:35702 (BNWL-CC-1205)
  - Depolarization in elastic scattering of 1.36-MeV polarized neutrons, 25:53708
  - Elastic scattering of 55-MeV protons from heavy nuclei, 21:15598
  - Experimental studies of microparameters of clusters of seven nuclear superheat reactor fuel rods, 22:10067
  - Experimental studies of UO_2—H_2O lattices of uniformly arrayed rods and clustered elements, 22:22760
  - Lamb-shift polarized ion source, 25:53471
  - NMR study of ferromagnetic rare earth metals and alloys, 22:26522
  - Plastic-strain controlled failure criteria and design parameters. Technical progress report, 25:11373 (COO-2048-1)
  - Polarization of neutrons from the reaction $^{12}C(d,n_0)^{13}N$ below 1.8-MeV deuteron energies, 22:26897
  - Relaxation peaks in sintered UO_2—U_4O_9 pellets, 23:51114
  - Self-triggering streamer chamber, 24:29561
  - Spin—spin interaction of 1.19-MeV polarized neutrons with polarized ^{59}Co nuclei, 22:27024
  - Temperature coefficients of PuO_2—UO_2—H_2O lattices, 22:5746
  - Total absorption lead glass Cherenkov counter, 22:371
- KOBAYASHI, Sadamu Corrosion fatigue of low alloy steel in high temperature water, 25:49355 (JAERI-Memo-4355)
- KOBAYASHI, Sadayoshi Protective effect of 5-hydroxytryptophan against lethal doses of x-radiation in mice, 21:20300
  - Thrombocytopoietic system in radiation induced hematopoietic death, 24:12287
- KOBAYASHI, Satoshi Residual EEG changes following post-natal x irradiation in rats, 22:15103
- KOBAYASHI, Setsu Determination of Ti, Zr, and Hf by spark-in-spray spectrometry, 25:39423
- KOBAYASHI, Setsuo Experimental analysis of energy spectrum parameters in slightly enriched UO_2—H_2O lattices, 22:1868
  - Experimental study of boundary region behaviors in multi-region cores, 21:14094
  - Measurement and analysis of thermal disadvantage factor for UO_2—H_2O lattices, 21:10210
  - Physics studies on BWR void simulated cores. I, 23:45061
- KOBAYASHI, Shigeaki Mechanical sodium pump for liquid metal cooled fast breeder reactor, 25:4201
- KOBAYASHI, Shigeo Dielectric properties of gamma-irradiated tetrafluoroethylene—hexafluoropropylene copolymers, 21:22001
  - Irradiation behavior of the mixed oxide fuels. I, 25:783

Research and development of fuel for liquid metal fast breeder reactor, 25:19275
Stability study of a PWR nuclear power station connected to an electric power system, 25:60105
KOBAYASHI, Shigeru Effect of whole-body x-irradiation on α-glucan phosphorylase activity in livers of intact and adrenalectomized rats, 22:40569
Effect of whole-body x-irradiation on cortisol-induced glyconeogenesis in livers of adrenalectomized rats, 22:40834
Effect of whole-body x-irradiation on microsomal system in rat liver, 23:41252
Effects of ACTH and whole-body x irradiation on concentrations of enzymes, nicotinamide nucleotides, and cytochromes in rat adrenal, 22:14957
Effects of x-irradiation on incorporation of ^{3}H-orotic acid into nuclear RNA fractions of rat liver, 23:41250
Lipid peroxidation in tissues of x-irradiated rats and effects of adrenalectomy, 23:41253
KOBAYASHI, Shinichi Acute radiation injury, 23:29858
Case of occupational acute accidental radiation injury, 22:51988
KOBAYASHI, Shinroku Nuclear spin—spin effect in total cross section for 1-MeV polarized neutrons on polarized ^{59}Co nuclei, 23:49354 (ISSP-A-371)
KOBAYASHI, Shinsaku Low-energy (p,n) reaction on ^{55}Mn and the low-lying excited states of ^{55}Fe, 21:7751
Neutron depolarization in elastic scattering, 24:33125
Nuclear spin—spin effect in total cross section for 1-MeV polarized neutrons on polarized ^{59}Co nuclei, 23:49354 (ISSP-A-371)
Spin flip in inelastic scattering of protons from ^{12}C around 13.1 MeV, 24:40565
Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:13863
Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:17383
Spin—spin interaction of 7.90-MeV polarized neutrons with polarized ^{59}Co nuclei, 23:25888
Total cross section for polarized neutrons on polarized ^{59}Co, 24:38176
KOBAYASHI, Shun-ichi NMR and relaxation of ^{163}Dy in Dy metal at low temperature, 25:43498
KOBAYASHI, T. Array of oxide-passivated silicon p-n junction detectors for a broad-range magnetic spectrometer, 21:32405
Avalanche-type GaAs radiation detectors, 25:48958
Cardiopulmonary function in uranium miners, 24:27567
Catheter-type semiconductor detector, 24:31700
Differences between reactions of gaseous CH_4 with ^{80}Br and ^{82}Br, 25:57491
Differences between reactions of gaseous CH_3Br with ^{80}Br and ^{82}Br, 25:57492
KOBAYASHI, Tadao Evaporation of UO_2 containing Pu nuclides, 23:36272
Identification of methyl iodide formed in iodine, 23:47379
Mass spectrometric determination of burnup, 21:27839
Mass spectrometric determination of isotopic ratios of U and fission products in neutron irradiated UO_2, 22:4033
Mass spectrometric isotope analysis of plutonium in neutron irradiated uranium dioxide, 22:45004
KOBAYASHI, Tadayuki Effect of 5-bromo-2'-deoxyuridine and irradiation upon animal tumor, 24:34687
KOBAYASHI, Takayuki Study of the zero-probability method, 22:30312
KOBAYASHI, Takeo Effect of addition of Mo on properties of Nimalloy, 24:15407
Effect of the addition of W on the properties of new magnet alloy Malcolloy, 21:32898
Effect of W on properties of "malcolloy" in the system Co and Al, 22:28800
Properties of a magnet alloy in the Co—Al system, 21:36815
Thorium-dioxide granuloma with laryngeal palsy, 24:42012
KOBAYASHI, Tetsuji Catheter-type semiconductor radiation detector and its medical application, 22:33645
Radiation detector for insertion into a blood vessel, 25:57760
KOBAYASHI, Tetsuro Pi N inelastic processes, 22:17872
Structure and excitation mechanism of N* in photoproduction $\gamma + p \rightarrow N^*$, 21:35281
Structure and excitation mechanism of N* in electroproduction $e + p \rightarrow e + N^*$, 21:46519
KOBAYASHI, Tohru Ultrasonic wave amplification in gaseous plasmas, 22:44120
KOBAYASHI, Toshio Effects of TiC, TaC, WC, TaC—WC, NbC, and VC on grain refining of pure Al and its alloys, 24:34914
Herpes zoster following radiation therapy, 22:23642
KOBAYASHI, Toshiro Fracture ductility with tensile test pieces with a notch on one side, 23:10217
Fracturing behavior and size effect of specimen width on transition behavior in various Charpy test specimens, 22:34058
KOBAYASHI, Toyoji Wear resistance of Cu—Fe alloys as oil lubricated sliding contacts, 22:19487
KOBAYASHI, Tsunehiro A possible origin of hard core in nuclear force, 21:2803
Compound structure model for P_{11} resonance and shift of its mass in the $pp \rightarrow pN^*$ reaction, 22:9623
Deep inelastic structure of e—p scattering and relativistic extended particle model based on the quark model, 25:36444
Dual resonance model and extended particle model with arbitrary number of quark—antiquark pairs, 25:9771
Electromagnetic inelastic form factors of processes $ep \rightarrow eN^*$, 24:52024
Exchange current and decays of decuplet baryons in the quark model, 22:32150
Exchange current and leptonic decays of baryons in the quark model, 22:52968
Exchange magnetic moments of baryons and the quark model, 22:5531
Experimental analyses of SU(3) symmetry in high energy two-body and quasi-two-body scattering, 22:46490
Experimental test of SU(3) symmetry in high energy two-body reactions, 22:29739
Extended particle model based on the quark model with an arbitrary number of quark—anti-quark pairs, 25:22780
Forward production cross sections for baryons and baryon resonances by neutrino, 24:42929
Functional integral representation of the Green's function for the Nambu—Miyamoto equation, 25:22906
Hadronic scattering amplitudes in quark model. I, 25:40995
Neutrino production of baryons with any spin, 24:3609
Nucleon electromagnetic form factors at high momentum transfers in an extended particle model based on the quark model, 24:42902
Proper time formulation for the general dual amplitude, 25:36593
Real to imaginary ratio of the forward scattering amplitude in charge exchange processes, 22:29707
Structure and excitation mechanism of N* in photoproduction $\gamma + p \rightarrow N^*$, 21:35281
Structure and excitation mechanism of N* in electroproduction $e + p \rightarrow e + N^*$, 21:46519
KOBAYASHI, Ugoro Basic experiment on removal of radioactivity from water. II, 25:44435
Distribution and transfer mechanism of the radioactive materials in the snow layers, 23:48041
Removal of radioactivity from water, 24:27218
KOBAYASHI, Y. Electroproduction of neutral pions through N*(1236), 23:10735
Experimental method of radiative correction in coincidence measurement of inelastic electron scattering, 25:49011
Improvement of the emittance in the resonant beam ejection, 22:32288 (CEAL-2000, pp 347-51)
Isolation of ^{105}Rh from neutron irradiated Ru, 21:32258
Kinetic studies on isotopic exchange between lutetium ion and its ethylenediaminetetraacetate, 23:35100
Resonant beam ejection from synchrotrons, 24:38004
Semi-hot wall duct for MHD generator, 25:24941
Spontaneous fission of ^{238}U, 21:38329
Theory of resonant beam ejection from AG synchrotron, 21:29671 (SJC-A-66-1)
KOBAYASHI, Yasuko Oxidation of UO_2 pellets in air, 23:8318
Oxidative pulverization of UO_2 pellets, 23:24990 (JAERI-1174)
KOBAYASHI, Yoshii Uranium amalgam from aqueous solution, 23:17412
KOBAYASHI, Yoshio Fluid dynamical equations for collisionless plasma, 24:35435
Graft polymerization of 1,1-dihydroperfluorobutyl acrylate onto cellulose fabric, 25:15652
KOBAYASHI, Yoshiyuki One-third resonance extraction from INS AG electron synchrotron, 22:50497
Withdrawal by gradual field change of accelerated beam in INS electron synchrotron, 22:24758
KOBAYASHI, Yukichi Biological dosimetry at the time of a radiation exposure, 21:32646 (JAERI-4040)
KOBAYASHI, Yukio Effective thermal conductivity and structural change of UO_2 powder compacted fuel in thermal simulation experiment, 21:43672
Spacers for fuel assemblies, 24:24843
KOBAYASHI, Yukoh Peak effects of critical current densities in Type II superconductors, 23:27582
KOBAYASHI, Yutaka Prog. rpt. on biologically active amines, annual, 7/65—6/66, 21:17953 (NYO-2085-10)
Prog. rpt. on studies on biologically active amines, annual, 6/15/68—6/15/69, 23:41229 (NYO-2085-13)
KOBAYASI, Kiyoshi Permanent-magnet flowmeter for liquid sodium. I, 24:7557
KOBAYASI, Kiyosi Exponential experiments with UO_2-light water lattice, 23:37744
Method of measuring thermal diffusivity by heating of step function change, 21:22873
Permanent-magnet flowmeter for liquid Na. II, 24:7701
Study on the measurement of void fraction by probe method, 21:24162
KOBAYASI, Takesi Higher capacity of nuclear reactors and development of steels for pressure vessels, 22:3945
Neutron irradiation test of heavy section steels for nuclear reactor pressure vessels, 22:34088
KOBAYSHI, Keisuke Solution of transport equation for multiplying slab by Laplace transformation, 22:44598
KOBE, Donald H. Best energy criterion and the principle of compensation of dangerous diagrams, 21:18864
Derivation of PCDD, 21:19065 (AD-634844)
Derivation of the principle of compensation of dangerous diagrams, 21:43967
Linked cluster theorem and Green's function equations of motion for a many fermion system, 21:31497 (AD-633654)
Linked cluster theorem and the Green's function equations of motion for a many-fermion system, 21:4115
Maximum-overlap orbitals, an energy variational principle, and perturbation theory, 25:28511
Natural orbitals, divergences, and variational principles, 23:46286
Principle of compensation of dangerous diagrams for boson systems. II, 23:5338
Principle of compensation of dangerous diagrams for boson systems. I, 23:5337
Single-particle condensate and pair theory of a homogeneous boson system, 22:37062
Single-particle condensate and pair-correlation theory of inhomogeneous boson systems, 23:48864
Variational principle and Slater's generalized Hartree—Fock theory for nuclei, 24:15964
KOBE, S. Radial distribution function of a classic electron gas, 22:17661
KOBEL, H. R. Homoeotic mutant of Drosophila hydei sturtevant, 21:14628
KOBELAK, Antoni Beta radioactivity of wood-rings of spruces in lower Silesia area, 21:8736
KOBELEV, L. Ya. Application of path integrals method in Green's function theory of systems of interacting particles, 22:32025
Model for superconductors, 23:48872
Possibility of the existence of superconductors with two critical points, 24:17860
KOBER, K. J. Investigation of blowdown simulation of boiling water reactors. I, 24:5535 (NP-tr-1865)
KOBER, K.-J. Pressure loss incidents in water cooled reactors. I, 24:9135
KOBER, V. I. Investigation by the electromotive force method of the state of liquid lanthanum—bismuth solutions, 22:28787
KOBERLE, R. Low-energy nucleon Compton scattering, 22:20188
KOBETICH, E. J. Electron energy dissipation, 23:30630
Energy deposition by electron beams and delta rays, 22:31609
Formation of etchable tracks in dielectrics, 22:31953
Formation of particle tracks, 23:47732 (COO-1671-18)
Formation of particle tracks, 24:42776
Formation of the particle tracks, 25:44608
Particle tracks in condensed matter, 24:481 (COO-1671-17)
Particle tracks in condensed matter, 25:22586
Particle tracks in emulsion and related phenomena, 24:480 (COO-1671-16)
Particle tracks in emulsion, 24:5913
Resolution of high energy extremely heavy cosmic rays in plastic detectors, 25:21440
Response of NaI(Tl) to energetic heavy ions, 22:31952
Response of nuclear emulsion to electron beams, 24:29507
Width of heavy-ion tracks in emulsion, 22:38047
KOBETICH, Edward John Interaction of heavy ions in matter, 23:50169
KOBEZSKII, V. M. Automating a 2-GeV electron linac, 25:14852 (SLAC-Trans-126)
KOBIASHVILI, M. Ya. Quasi-elastic electron—deuteron scattering and the structure of neutron, 22:44357
KOBIERSKA, Elzbieta Transmission surface-barrier silicon detectors, 25:29331
KOBILINSKI, Z. Modulation of galactic cosmic rays by solar wind, 25:30325
Spherically symmetric model of modulation of galactic cosmic rays, 25:30324
KOBILOV, O. Sh. Angular correlation of ^{97}Nb γ radiation, 25:36763
Deformed states of odd silver nuclei, 24:38239
Low levels of ^{79}Br and ^{81}Br, 24:15845
KOBISK, E. H. Fabrication of ^{152}Eu metal target for cross-section measurements, 23:3035
ORNL isotopes target program, 1965—67, 23:50063
Preparation of self-supporting, metallic foils of isotopic chromium, 25:59633 (CONF-711002-, pp 39-46)
Preparing high-purity rare-earth isotope metals, 23:48358
Reduction—distillation method for preparing high-purity rare earth isotope metals, 23:7549 (CONF-681020-(Vol.2), pp 459-71)
Review of isotopes target program, 1/65—12/67, 23:531 (ORNL-4308)
KOBLINGER, L. Two codes for calculation of dose distribution in human phantoms irradiated by external photon sources, 25:32414 (KFKI-71-12)
KOBORI, Keiichi Wear resistance of cemented carbides, 22:19635
KOBORI, Nobumasa Primary kinetic isotope effect for phenylation with phenyl radical, 24:4299
KOBORI, T. Photoallergy in dermatology, 21:36705
KOBORI, Tetsuo Method for measuring void fraction by electromagnetic flowmeters, 21:1507 (JAERI-1111)
KOBOS, Andrzej Distorted Wave Born Approximation programmes for inelastic scattering of charged particles MIS-0, MIS-2, MIS-3, MIS-4, and MIS-5, 25:43954 (INP-746)
KOBOZEV, G. V. Influence of the preceding ultra-violet irradiation on the colloid-protecting properties of the blood and their relation to the protein complexes in experimental atherosclerosis, 22:45645
KOBOZEV, N. I. Catalysis by metal vapors. IV, 25:54552
KOBRAK, H. Search for fractionally charged particles in cosmic rays near sea level, 21:29449
KOBRIN, C. L. New plate technology equals new markets, 22:15166
KOBRINSKII, M. N. Calculation of box diagram effects with two resonances in the intermediate state, 25:19986 (IFVE-STF-70-34)
Calculation of effects of box diagrams with two resonances in intermediate state, 25:22807
Structure of scattering amplitudes and inelastic process amplitudes in pre-asymptotic region, 25:59497
KOBSA, I. R. Design and analysis of control rod drive reactor vessel penetrations, 23:47188 (APED-5703)
KOBSAREV, I. Yu. Consequences of the transversality of the graviton emission amplitude, 25:7739
Properties of amplitudes not satisfying the Pomeranchuk theorem conditions, 24:35723
Remark on model W = a, 22:37176
Soft graviton emission amplitude, 24:5346
KOBUCHI, Kunio Measurement of the hold-up of raw material in the rotary kiln, 21:28287
KOBURG, E. Brief contact irradiation of malignant ENT tumors with ^{192}Ir, 24:41938
Iridium-192 short-acting contact irradiation of malignant tumors, 23:50789
KOBUSCH, Bert New problems for nuclear energy, 21:14002
Nuclear power program for the Swiss, 21:14001
Uranium needs and uranium marketing arrangements, 21:7981

KOBUSHKIN, A. P. Dual amplitude for processes with participation of photons, 25:43592
  Duality and the total cross sections of meson—nucleon scattering in the quark model, 24:35653 (ITF-70-24)
  Generation of vector mesons and a model of factorizable quarks, 25:30879
  Inelastic hadron scattering, 24:24385
  Inelastic hadron scattering in the quark model factorizability hypotheses, 23:42671 (ITF-69-28)
  Quasi-independent quark model: additivity and factorizability hypotheses, 23:49153 (ITF-69-24)
  Quast-relativistic Schroedinger equation for baryons and SU(6)/sub w/ symmetry, 23:8831 (ITF-68-19)
  Vector meson production and the factorizability quark model, 24:30523 (ITF-70-23)
KOBUSHKIN, P. K. Exact conformally-plane solution of the Einstein equations for the non-static axial field symmetry, 24:13165 (ITF-69-61)
KOBYLINSKII, N. A. Comparison of conspiracy and cuts in nucleon—nucleon scattering, 24:13118 (ITF-69-69)
  Dual amplitude with Mandelstam analyticity, 25:36492
  Dual amplitude with Mandelstam analyticity, 25:43623 (ITF-71-28-E)
  Electroproduction of pseudoscalar mesons at high energies, 25:22727 (ITF-70-72)
  Photoproduction of eta mesons on nucleons at high energies, 25:27989
  Photoproduction of eta-mesons on nucleons at high energies, 24:21953 (ITF-70-2)
  Photoproduction of neutral pseudoscalar mesons in model taking into account poles, cuts and consequences of high symmetries, 24:21952 (ITF-70-1)
  Photoproduction of neutral pseudoscalar mesons on nuclei, 24:35624 (ITF-70-21)
  Photoproduction of pseudoscalar mesons on protons and mixing angle of isosinglets eta_1 and eta_8, 24:35623 (ITF-70-19)
  Photoproduction of pseudoscalar mesons on protons, 25:14629
  Photoproduction of the neutral pseudoscalar mesons on nucleons, 24:28503 (ITF-70-10)
  Process $\pi N \rightarrow \omega N$ at high energies, 25:1526 (ITF-70-39)
  Removal of multifold poles in dual amplitudes with Mandelstam analyticity, 25:47988
KOBYLKIN, A. F. Automatic ultrasonic installation for decontamination of footwear on human legs, 25:57629
KOBYLKIN, A. N. Determination of elasticity and shear in vacuum and inert gas, 22:52175
  Output characteristics of cesium diodes with zirconium diboride cathodes, 23:51414
KOBYSHEV, G. Anomalous emission of chlorophyll, stimulated by ruby laser, 21:10786
KOBYTEV, V. S. Mechanical properties of ordered Mg_3Cd, 24:10068
KOBZAR, I. G. Carry-over of zinc corrosion products from boiling water to steam and distribution of ^{65}Zn through BWR VK-50 cycle, 25:1789
KOBZAREV, I. Yu. Amplitudes with logarithmically increasing interaction radius, 25:33582
  Comments on K^0/sub L/ $\rightarrow$ K^0/sub S/ regeneration, 23:46766
  Decays of degenerate or almost degenerate states, 24:8619
  Mass of the photon, 22:44374
  Possibility of checking the $\Delta T = {}^1/_2$ rule in reactions of single production of strange particles, 21:33703
  Properties of amplitudes not satisfying conditions of Pomeranchuk theorem, 25:25347
  Properties of some vector constants of β-decay with a change in strangeness, 22:13815
  Ratio between the amplitudes of $K^+ \rightarrow \pi^+\pi^0$ and $K_1{}^0 \rightarrow \pi^+\pi^-$ decays, 22:39345
  Regeneration of K^0 mesons and Pomeranchuk theorem, 24:28551
  Weak interactions and symmetry, 22:9566
KOBZEB, P. M. Helium pumping by condensed layers of gas in pressure interval 10^{-9} to 10^{-13} torr, 24:9631 (AEC-tr-7106)
KOBZENKO, G. F. Change in solubility of Ce, Pr, and Nd in Cr as a function of temperature, 25:27238
  Diagram of states of the system chromium—cerium, 23:36139
  Diagram of the system chromium—neodymium states, 23:36131
  Phase diagram of the chromium—terbium system, 25:8889
  Phase diagram of the system chromium—praseodymium, 24:1038
  Phase diagram of the system neodymium—bismuth, 25:22112
  Variation in solubility of Ce, Pr, and Nd in Cr with temperature, 25:58237
KOBZEV, A. N. Cross section of $^{241}Am(n,\gamma)^{242}Am$ reaction, 25:50738
KOBZEV, A. P. Angular distributions of charged particles from reaction ^{16}O + T in energy range of 0.9—1.7 MeV, 21:33883 (JINR-P6-3314)
  Cross sections for reactions $^{16}O(t,\alpha)^{15}N$ and $^{16}O(t,p)^{18}O$ from 0.6 to 1.75 MeV, 21:21466
  Effect of the optical parameters of the medium on the yield of transition radiation of non-relativistic particles, 25:36354 (JINR-P4-5734)
  Elastic scattering of tritons by O in energy range 0.9 to 1.7 MeV, 22:24827 (JINR-P15-3756)
  Optical radiation excited by nonrelativistic charged particles on the metal surface, 25:55813 (JINR-P4-5957)
  Tables of intensity of transition radiation for non-relativistic particles, 25:33595 (JINR-P4-5690)
KOBZEV, G. A. Analysis of continuum radiation from nitrogen plasmas, 24:15303
  Continuous nitrogen plasma emission, 23:12795
  Determination of photoionization cross sections according to oscillator spectral lines, 21:5292
KOBZEV, P. M. Cryosorption pumping of helium, hydrogen, and deuterium by condensed gas layers, 23:38235 (NP-17956)
  Dense supersonic hydrogen jet in high vacuum, 22:29489
  Helium pumping by condensed layers of gas in pressure interval 10^{-9} to 10^{-13} torr, 23:38233 (FTI-231)
  Oil-free evacuation of large volumes to 10^{-13} torr by cryogenic pumps, 24:50542
KOCA, M. Effective Lagrangians at high energy, 23:15077
  Meson trajectories with increasing multiplicities and trilocal fields, 25:22795
KOCAK, N. Measurement of gastric emptying using ^{129}Cs, 25:21539
KOCAKUSAK, O. Nuclear fuel fabrication and reprocessing in Turkey, 24:28863
KOCANDRLE, K. Survival of erythrocytes of rat after whole-body irradiation, 23:29784
KOCANDRLE, L. Digital device for the measurement and control of power and period of a nuclear reactor, 25:1970
  Single-purpose digital computer in nuclear engineering, 24:31050 (ZJE-72)
KOCBACH, L. Branching ratios for E1 transitions deexciting the octupole states in even—even deformed nuclei, 25:3751
KOCEMBA-WYSOCKI, Waldemar Improvements in and relating to building components, 23:9673
KOCENT, Alexander Determination of heavy water with the UR 10 spectrophotometer, 21:32102
KOCEVAR, P. Semi-relativistic calculation of the deuteron electrodisintegration at the quasi-elastic peak, 22:15941
KOCH, A. L. Kinetics of suicide of bacterial populations, 24:32277
KOCH, Anton Additive for concretes for protection against radiations, 24:25811
KOCH, Arnd Point dilution methods of investigating ground water flow by means of radioisotopes, 22:23140
  Use of radioactive isotopes in hydrology. VI, 21:41006
KOCH, Arthur L. Evidence against alternation of synthesis of identical chromosomes in E. coli growing at low rates, 22:51524
KOCH, B. Evaluation of electroencephalogram as indicator of effect of ionizing radiation. I, 23:29741 (SZS-14/68)
KOCH, C. Thermal degassing under vacuum of nuclear graphite after radiolytic oxidation, 23:11547
KOCH, C. C. Anisotropy of the upper critical field of superconducting technetium, 25:47469
  Elastic moduli and Debye temperature of polycrystalline technetium, 24:10063
  Electrical resistivity of Tc from 8.0 deg to 1700 deg K, 21:6808
  Flux pinning by grain boundaries in superconducting niobium—zirconium alloys, 23:27526
  Influence of plastic deformation on fcc reversible dhcp transformation in cerium, 22:43601
  Investigation of the vanadium—technetium alloy system, 22:31400
  Metallographic study of the allotropic phase transformations in cerium, 22:23806 (CONF-670502-, pp 416-27)
  Metallographic technique for lanthanum and cerium, 21:26774
  Phase transformations in Gd—Ce system, 23:8211 (CONF-681020-(Vol.2), pp 541-9)
  Room-temperature lattice spacings of some intra rare earth binary systems, 21:3931
  Solid solution intra-rare-earth alloys, 24:46740
  Structural changes in samarium metal at elevated temperatures, 24:34909
  Superconducting materials, 24:2916 (ORNL-4470, pp 43-4)
  Superconducting properties of Tc—30 pct V alloy, 23:48440
  Superconductivity in Mo—Re and Nb—Ir sigma phases, 25:14177
  Superconductivity in Nb containing Gd or Y dispersions, 23:44370
  Superconductivity in the technetium—vanadium alloy system, 22:1079
  Transformation to samarium-type structure in Gd—Ce alloys, 25:32750
  Transformations to Sm-type structure in Gd—Ce alloys, 25:687 (CONF-700403-(Vol.2), pp 664-72)
KOCH, Charles A method of inhibiting the corrosion of graphite in nuclear reactors, 21:18310
  Method of inhibiting corrosion of graphite in a CO_2-cooled nuclear reactor, 22:30400
  Method of inhibiting the corrosion of graphite in nuclear reactors, 21:44902
KOCH, D. W. Corrosion and hydriding of Zircaloy under heat transfer conditions, 23:22460 (BAW-3765-7)
  Corrosion and hydriding of Zircaloys, 24:17214
  Materials of Na heated steam generator, 21:452 (BAW-1280-37)
KOCH, Donald F. Lung, 23:50733
KOCH, E. E. Characteristic energy losses of 30-keV electrons in vapors of aromatic hydrocarbons, 24:3173
  Optical absorption of gaseous methane, ethane, propane, and butane, and reflection of solid methane and ethane in the vacuum ultraviolet, 25:28853 (DESY-SR-71/1)
KOCH, E. F. Influence of grain boundaries on the fracture mode of zirconium and Zircaloy-2, 25:4769
  Preparation of fine recrystallized tungsten wire for transmission electron microscopy, 22:23737
  Preparation of fine recrystallized W wire, 23:12285
  Variation of interface dislocation networks with lattice mismatch in eutectic alloys, 25:32749
KOCH, E. H. Reactor safety in Federal Republic of Germany, 24:52952
  Reliability and availability of two BWR shut-down systems, 25:6036 (RISO-214, pp 41-55)
KOCH, Eckhard Charged particle motion in constant-direction and exponentially time-dependent magnetic fields. I, 22:24497
  General solution of the electron distribution function for weakly ionized plasmas in arbitrarily time-dependent electromagnetic fields, 25:9470
  Motion of charged particles in directionally constant and exponentially time-dependent magnetic field. II, 23:18770
  Theory of motion of charged particles in constant-direction magnetic fields with exponential dependence on time. III, 23:39475
  Theory of the motion of charged particles in direction-constant time-dependent magnetic fields and electrical supplementary fields, 21:27261
KOCH, Elizabeth A. Variations in radiosensitivity of oocyte chromomomes during meiosis in Drosophila, 24:41860
KOCH, Erhard Reactivity of unstable compounds, 24:29321
KOCH, F. Contribution to ^7Li determination by nuclear resonance, 22:48843
  Effect of whole-body irradiation on serum protein content, 25:52192
  NMR study of gamma irradiated ethanol—water system, 25:21047
  Role of wave properties of isotopes in chemical kinetics, 25:34587
  Separation of molecules and molecular diffraction, 23:24294
KOCH, G. Chromosome aberrations and changes in mitosis following therapy, 25:24053
  Estimation of internal contamination with plutonium, 23:9945
  Flowsheet studies on processing of plutonium fuels by solvent extraction, 23:47586 (KFK-990)
  Immediate and long-term measures taken in following the contamination of personnel by ^{241}Am and ^{242}Cm, 25:37804 (EUR-4612, pp 631-46)
  Isolation of ^{241}Am from Pu scrap by extraction with tricaprylmethylammoniumnitrate, 23:15927 (KFK-783)
  Measurement of contamination of excreta as a means of determining the body burden of persons working on the ^{227}Ac production program, 25:37803 (EUR-4612, pp 547-58)
  Poliovirus double-stranded RNA, 21:34587
  Recovery of by-product actinides from power reactor fuels, 23:47585 (KFK-976)
  Recovery of Np, Am, and Cm by irradiation of nuclear fuels, 23:19769
  Recovery of plutonium from fuel element fabrication scraps by extraction with amine—carbon tetrachloride solutions, 25:6398 (KFK-893)
  Reprocessing by quaternary ammonium nitrates, 22:16686
  Transfer and distribution of tritium among the main components of milk, 24:44406
KOCH, Georges Radium-226 in natural samples, 23:12119
KOCH, Guenter Americium/curium recovery from fuel reprocessing waste solutions, 24:9480
  Fuels for nuclear reactors. II, 23:40811
KOCH, H. Chemistry of technetium in aqueous solution. I, 24:2185
  Complex formation between Tc and chelate-forming ligands. II, 25:13008
  Condensed-state effects in muonic x-ray spectra, 22:26262
  Condensed-state effects in pionic and muonic x-ray spectra, 22:52507
  Condensed-state effects in pionic and muonic x-ray spectra, 23:5212
  Decontamination of wastes, 22:51057
  Energies and intensities of ^{125}Sb gamma rays, 23:19304
  Exotic atoms, 25:47799
  Intensities of mesonic 2p—1s x-rays in N, ^{16}O, ^{18}O, F, and Na, 23:10955
  Measurements of the vacuum polarization in muonic atoms, 24:51412
  Muon capture probability in isotopes of bromine, 25:12502
  Muonic and pionic x-ray spectra, 22:26924
  Natural line width and energy shift of the K-mesonic transition in sulphur, 24:42884
  New automatic recorder for ionospheric drift measurements, 21:41919
  New determination of the π^- and τ/sub μ/ masses, 25:53005
  Nuclear γ rays produced by π mesons, 24:1781
  Nuclear radii of ^{16}O and ^{18}O, 21:44578
  Nuclear radii of light nuclei from muonic x-ray measurements, 22:5778
  Pi-mesic 4f—3d and 5g—4f x-rays, 22:47838
  Pionic 2p level widths in light nuclei, 23:28265
  Pionic 2p—1s transitions, 21:43803
  Pionic 3d—2p transitions, 22:27040
  Production of radioactive standard and measuring sources, 23:21975
  Radiometric determination of $^{14}CO_2$, 23:26186
  Reaction ($^9Be(^6Li,p)^{14}C$), 23:21270 (ZFK-130, pp 174-7)
  Stability of chelate-complexes of Po(IV), 22:6389
  Stability of the I-labeled toluidine-containing polyvinylpyrrolidine (PVP-T ^{131}I) according to Gordon and of ^3H-polyvinylpyrrolidine (^3H-PVP), 21:45704
KOCH, H. R. Automation of the curved crystal spectrometer at Risoe, 24:46501
  Automatized curved crystal spectrometer for (n,γ) measurements at Risoe, 24:41688
  Energy levels in ^{156}Gd, 24:47580
  Energy levels of ^{56}Mn, 24:43264
  Energy levels of ^{56}Mn, 25:14974
  High-resolution (n,γ) studies, 24:47578
  Investigation of the ^{155}Gd level scheme, 24:47596
  Nuclear levels in ^{142}Pr, 22:50612
KOCH, H. W. Electron beams, 21:23009
  Nuclear and radiation standards of importance to the national atomic energy program, 22:35200 (NBS-TN-283)

Radioactivity criteria for radiation processing of foods, 22:8677
KOCH, Hartwig Handbook of applied radioactivity, 23:17501
KOCH, J. Angular correlation measurement of the 722 keV to 556 keV gamma—gamma cascade in ^{114}Cd, 21:15579
High-stability apparatuses to investigate the angular distribution of charged particles of energies 10^{13}—10^{14} eV in the Galaxy, 25:11742 (KFKI-70-21-HEP)
Irradiation damage in Al single crystals produced by 50-keV Al and Cu ions, 22:26486
Measurement of E2/M1 mixing ratios of $2^+ \rightarrow 2^+$ transitions in ^{82}Kr, ^{106}Pd, ^{122}Te, ^{196}Pt, and ^{198}Hg, 22:1702
Radiation damage in single crystals of Si, 24:6636
Rows of dislocation loops in aluminum irradiated by aluminium ions, 21:37591
KOCH, J. C. Plasma-sprayed uranium carbide coating of graphite crucibles, 24:30035
KOCH, J. E. Prog. rpt. on computer programs for thermal pulse of nuclear weapon, 12/28/66, 22:2259 (AD-646858)
KOCH, J. F. Microwave absorption by magnetic-field-induced surface states in superconductors, 22:1106
Surface impedance of superconducting Sn, 22:7240
Surface states in superconducting indium, 24:23921
KOCH, J. J. Detection of Cherenkov light from radioactive sources in water, 23:24432 (UCRL-50007-68-2, pp 8-20)
Detection of neutron capture gamma rays produced in sea water, 21:12641 (UCRL-50007-66-1, pp 8-10)
Optimization studies for FIDLER detector, 23:24433 (UCRL-50007-68-2, pp 20-4)
Plutonium survey with an x-ray sensitive detector, 23:11762 (UCRL-71362)
Plutonium survey with x-ray detectors, 21:26156 (UCRL-50007-66-2, pp 1-6)
KOCH, Joachim Mass relations between baryons, 23:51938
KOCH, Joergen B-52 accident in Greenland on January 21, 1968, 23:20182 (CONF-680507-, pp 39-45)
KOCH, John William Interactions of cosmic ray nuclear active particles in iron at mountain altitude, 22:24545
KOCH, Justus H. Eigenstates of optical potentials for exotic atoms, 25:49729
KOCH, L. Analysis of neptunium in nuclear fuels, 24:36164 (EURFNR-730)
Concentration and isotopic abundances of americium and curium, 23:21652
Determination of retained fission xenon in nuclear fuels, 25:31818
Determination of the concentration of transuranium isotopes, 23:19659
Determination of the isotopic concentration of uranium and plutonium, 24:2134
Energy spectra and time profile of protons emitted during solar flare of 6/9/68, 23:51265 (CEA-CONF-1404)
Experimental and theoretical determination of burnup and heavy isotope content in a fuel assembly irradiated in the Garigliano boiling water reactor, 25:56879 (EUR-4638)
Isotopic analysis of irradiated fuel and transplutonium elements. I, 22:37647 (EUR-3949)
Neodymium-148 analysis for burnup determination in nuclear fuels, 23:9342
Neptunium analysis in nuclear fuel elements, 24:18900 (KFK-1115)
Simultaneous satellite and rocket observations of 2/25/69 solar proton event, 23:51266 (CEA-CONF-1405)
Some correlations between isotopes of Xe, Kr, U, Pu, and burn-up parameters for various thermal and fast reactors, 25:21321
Spectra and time history of protons in interplanetary space, Feb. 25—28, 1969, 25:27558
Spectrometry of solar and galactic protons on board satellite IRIS, 24:4467
Study of the fission gas behavior by gas analysis and electron microscopy, 25:47186
Verification of input analysis of a reprocessing plant by means of composite sample technique, 25:21081 (KFK-1104)
X- and γ-ray astronomy and TD-1, HEOS-B, and COS-B sattellite mission, 25:58829
X- and γ-ray astronomy between 1962 and 1970, 25:58533
KOCH, L. J. Applicability of EBR-II experience to commercial LMFBR's, 25:41299 (CONF-710315-13)
LMFBR component technology in perspective, 25:18104
Mechanical requirements of the LMFBR, 25:1895
Special development problems of the LMFBR, 24:46001
System and component design for fast reactors, 24:18603
System and component design for fast reactors, 24:18611
U. S. experience with fast power reactors: EBR-II, 25:44085 (CONF-710427-1)
US experience with fast power reactors: EBR-II, 25:51128
KOCH, Leheine Measurement of activity of P by Cherenkov radiation, 24:33910
KOCH, Leonard J. EBR-II: an experimental LMFBR power plant, 25:54219
KOCH, Lothar Ternary oxides of penta- and hexavalent neptunium and plutonium with lithium and sodium, 23:22678 (ANL-Trans-728)
KOCH, Lydie Elementary composition and origin of primary cosmic radiation, 24:32691
Elementary composition and origins of primary cosmic radiation, 23:27400
Spectrometer for cosmic and solar protons experiment S 72 aboard satellite ESRO II, 23:17788 (CEA-R-3700)
KOCH, M. Effect of uv-light on side chain cotton effect of ribonuclease A, 25:37738
KOCH, Manfred Pre-operational tests at Lingen station, 23:19456
KOCH, Norman Shutter system reduces laser hazards, 22:36281
KOCH, P. Cladding of uranium rods with a metallic deposit, 22:20865
Oxidation protection of zirconium at high temperatures, 21:39551
Protection of uranium by cladding, 23:20467 (CEA-CONF-1053)
KOCH, P. K. GANDY: computer program for evaluation of effective cross sections in unresolved resonance region, 22:13899 (GA-8003)
GAPOTKIN: point kinetics code for UNIVAC 1108, 22:39770 (GA-8204)
KOCH, Paul Effect of radiation upon the post-shock state, 23:32428
Turbulent heating in plasmas, 25:5068 (AD-710318)
KOCH, Philippe Protection of uranium by metallic coatings, 23:22463 (CEA-R-3638)
KOCH, Phillipe Protection of uranium by metallic coatings, 24:34844 (LA-4363-TR)
KOCH, R. Energy localisation in materials of biological interest, 23:35651
Free radicals in uv- and x-irradiated sulfur-containing organic substances, 21:22355
Measurement of neutron capture radiation, in particular in-pile components, 22:12132
KOCH, R. C. Determination of biospheric levels of ^{129}I by neutron-activation analysis, 21:12321
Iodine-129: a new atmospheric tracer, 21:14328 (NSEC-120)
Moessbauer spectrometry for analysis of iron compounds, 23:33952 (NSEC-4010-1)
KOCH, R. D. Diagnosis of brain tumors with ^{197}Hg—neohydrine gamma encephalography, 21:43491
Differential diagnosis of brain alterations caused by tumor and vascular processes with radioactive isotope blood flow measurements, 25:11149
Radiation protection in cerebral diagnosis with ^{131}I-labeled human serum albumin, 21:10894
Use of radioactive isotopes in chronic subdural hematoma, 22:45609
KOCH, R. K. Vapor pressures of liquid Mo (2,890° to 2,990° K) and liquid Zr (2,229° to 2,795° K), 22:8722 (BM-RI-7063)
KOCH, R. O. Radiolysis of liquid n-pentane, 22:33405
KOCH, R.-D. Late radionecrosis, 24:34742
KOCH, Richard C. Electron paramagnetic resonance studies of some Cu(II) complexes with organophosphorus chelates, 24:53058 (ORO-2825-30)
KOCH, Richard Francis Cryogenic thermometry: methods and instrumentation, 23:1292 (COO-1629-10)
KOCH, Robert H. Spectrographic and photometric analyses of HR 7484, 23:27225
KOCH, Robert L. Prog. rpt. on plasma properties of magnetohydrodynamic power generators, final, 5/1/63—4/30/66, 21:643 (AD-635459)
KOCH, Rosemarie Metallographic preparation of zinc—tungsten composites, 25:632
KOCH, Ruprecht Biological radiation protection. LXXV, 21:10902
Importance of molecular configuration for the development of radiation injury, 24:34111
Investigation on biological radioprotection. LXXIV, 21:20105
Investigations on biological radiation protection. LXXIX, 21:36631
Radioiron incorporation in erythrocytes after fractionated or protracted whole-body irradiation, 22:40908
Studies on biological radiation protection. LXXX, 22:40736
KOCH, S. Influence of the scattering material density on quantum backscattering, 21:20764
Investigation of gamma-ray backscattering for broad radiation beams, 21:3912
Studies on reagents for niobium and tantalum. II, 23:11406
KOCH, Siegfried Calculation of γ backscattering for narrow radiation beams, 23:19940
Studies on reagents for Nb and Ta. IV, 23:13637
Studies on reagents for Nb and Ta. III, 23:13727
Studies on reagents for Nb and Ta. VI, 24:41205
KOCH, T. H. Photochemical exchange reaction of Michler's ketone, 25:10556
KOCH, U. Dosimetry of monoenergetic neutrons for tradescantia, 23:48047 (NYO-2740-6, pp 96-8)
Dosimetry studies for a fast neutron therapy beam, 23:48046 (NYO-2740-6, pp 32-95)
Source of polarized electrons, 23:30897
KOCH, W. Action of gamma radiation on polytetrafluoroethylene, 21:45162
Inductive pulse-generator for high-current experiments, 21:30570 (BMwF-FBK-67-35)
Influence of gamma radiation on polytetrafluoroethylene, 22:47183
Leptonic decay branching ratio of rho meson, 21:31532
Mu$^-\mu^+$ decay mode of the eta^0 meson, 23:27753
Pairs K^+K^- from reaction $\pi^- \rightarrow K^+K^-n$ at 11 GeV/c, 24:30458 (CONF-690521-, pp 529-32)
Performance of passive crowbar-system, 21:31461 (BMwF-FBK-67-34)
Reaction $\pi^-p \rightarrow K^+K^-n$ between 988 and 1100 MeV invariant KK mass, 25:59301
Reactions $\pi^-p \rightarrow$ rho^{0}n and $K^-p \rightarrow K^{*0}(890)n$ at 11.2 GeV/c, 22:48232
Some practical results of ferrous-sulfate (Fricke) dosimetry, 25:13305
Spin analysis in elementary particle physics, 23:49064
Upper limit on K/sub s/$^0 \rightarrow \mu^- \mu^+$ decay rate, 23:42538
KOCH, Wolfgang Preparation of perfluorinated carboxylic acids, 25:13035
KOCHAN, Hermann Observations of ionospheric phenomena during geomagnetic storm 10/31—11/2/68, 25:1077
KOCHANNY, G. L. Jr. Degradation of methylcellulose by ionizing radiation, 23:40771
Radiation-induced solid-state polymerization of methyl N-vinylcarbamate, 23:28880
Solid-state polymerization of zinc methacrylate, 22:42742
KOCHANSKI, Tadeusz Construction equipment of press PHM 400 for impressing fuel elements of WWRM type, 23:41700 (INR-1050)
Diffusive sulphuration of steel wwn1 used for matrixes working in increased temperatures, 23:41563 (INR-1049)
KOCHAR, Nirmal K. Effect of x rays on enzymes of the mouse testes, 25:49287
Effect of x rays on ovaries of progeny of irradiated mice, 21:32787
Effect of x-rays on the vascularization of the mouse testis, 25:29653
Postirradiation changes in Sertoli cells, 23:33848
KOCHAROV, G. E. Astrophysical phenomena and radiocarbon, 22:36568 (N-68-22567)
Background characteristics of industrial gas-filled counters, 21:6240
Concerning thermonuclear reactions in the interior of the sun and solar neutrinos, 24:42444
Effect of space charge in proportional counters. I, 21:28249
Interaction between ultra-high energy cosmic rays and photons in the universe, 22:34302
Low background gas-filled electron and x-ray counters. (Review), 21:1603
Neutrino astrophysics, 22:21804
Nuclear spectroscopy and solar neutrino astrophysics, 21:9263 (BNL-tr-118)
Nuclear spectroscopy and solar neutrino astrophysics, 21:43734
Possibility of determining oscillation parameters of neutrinos, 25:30802 (BNL-tr-418)
Proton—proton cycle in stars in temperature range $10^7/5.10^7$ °K, 23:46170
Thermonuclear reactions in the sun's interior and solar neutrinos, 24:25881 (BNL-tr-340)
Wall effect in cylindrical detectors, 23:41002
KOCHARYAN, A. G. Uranium migration in carbon dioxide water systems, 23:49936
KOCHARYANTS, E. B. Geomagnetic pulsations on territory of USSR, 24:6449
Geomagnetic pulsations with an intensity maximum at middle latitudes, 24:12738
KOCHEEV, A. A. Influence of natural aerosols on the content of charged particles in the atmosphere, 25:47437
KOCHEGUROV, V. A. Use of analog computers for studying charged-particle motion, 24:47337
KOCHELAEV, B. I. Theory of certain phenomena in a paramagnetic substance that are dependent on the spin-phonon interaction, 22:24415 (AD-665707)
KOCHELAEV, Yu. S. Crisis of film boiling in channels, 24:19149
KOCHELEVA, T. I. Water-chemical mode at AEPS with channel reactor and nuclear steam superheating, 25:34200 (JPRS-53069, pp 118-23)
KOCHEMASOVA, L. N. Charge exchange of protons in negative ions on cesium, 25:22923
Compact duoplasmatron negative ion source for charge-exchange generators, 21:17242
Economical source of negative tritium ions, 22:7582
Production of low-energy hydrogen ion beam, 22:32389
Source of polarized negative ions of hydrogen, 23:17034
Universal injector for negative ions of hydrogen isotopes for charge-exchange generator, 21:17241
KOCHEN, J. A. Vascular and intravascular effects of a pulsed laser microbeam, 21:11017
KOCHEN, Joseph A. Laser-induced microvascular thrombosis, embolization, and recanalization in the rat, 21:11019
KOCHEN, Robert L. Corrosion behavior of uranium-base U—Nb, U—Nb—Zr, and U—Mo alloys in hydrochloric acid and ocean water, 25:32646 (RFP-1586)
Galvanic corrosion behavior of uranium alloys in hydrochloric acid and ocean water, 25:24539 (RFP-1592)
Separation of micro amounts of Cl^- from Pu and U, 21:3152
KOCHENDOERFER, Albert Studies with a scintillation counter for detection of exoelectrons, 21:4711
KOCHENDORFER, D. B. Estimating particle retentions of humans and consequent beta doses from debris, 21:38638
Models for estimating beta dose to tissue from particle debris in aerospace nuclear applications, 21:18041 (USNRDL-TR-1107)
KOCHENOV, A. S. Influence of research reactor parameters on thermal neutron flux in a reflector and fuel inventory, 21:2881
Limiting ratio of maximum thermal-neutron flux to reactor power, 24:47964
Limiting ratio of maximum thermal-neutron flux to reactor power, 25:23401
KOCHENOV, A. V. Distribution of U in bottom sediments of Aral Sea, 22:25548
Migration of uranium in rivers and duration of its presence in waters of worlds oceans, seas, and lakes, 23:35332
Uranium and minor metals in columns of bottom sediments of the Black and Mediterranean seas, 21:12542
Uranium concentration in recent oceanic sediments of water uprise zones, 25:34761
Uranium distribution in Aral Sea sediments, 23:19859
KOCHENOV, I. S. Hydraulic calculation of the cooling system of nuclear reactors, 22:7928
Hydraulic mapping of nuclear reactors, 24:33492
KOCHENOVA, N. A. Cosmic-noise absorption, 24:39977
KOCHER, C. W. Moessbauer effect study of antiferromagnetic $FeCl_3$, 21:13624

KOCHER, Carl Alvin Polarization correlation of photons emitted in an atomic cascade, 21:35014 (UCRL-17587)
KOCHER, D. C. Cross sections for proton—deuteron scattering from 1.0 to 10.0 MeV, 23:39936
  Energies of 2p/sub $^{3}/_{2}$/, 2p/sub $^{1}/_{2}$/, 1f/sub $^{7}/_{2}$/, and 1f/sub $^{5}/_{2}$/ single-particle states in odd-A nuclei, 25:53725
  Inconsistencies in angular momentum assignments to nuclear energy levels in ^{41}Ca, 24:40580
  Measurement of (d,p) vector analyzing power for l/sub n/ = 4 transitions on intermediate weight nuclei, 25:53726
  Reactions ^{16}O(d,p)^{17}O and ^{28}Si(d,p)^{29}Si, 25:50648
  Stripping reactions on odd-A nuclei initiated by vector-polarized deuterons, 23:47047
  Vector analyzing power and cross section for ^{40}Ca(d,p)^{41}Ca from 5 to 11 MeV, 25:50684
KOCHER, David Charles Vector analyzing power and cross section for (d,p) stripping reactions on intermediate weight nuclei, 25:43846
KOCHER, L. F. Hanford thermoluminescent multipurpose dosimeter, 25:46642 (BNWL-SA-3955)
  Neutron dosimetry with activation filters and TLD, 23:695 (BNWL-SA-1831(Rev.))
  Neutron dosimetry with activation filters and TLD, 24:4495 (BNWL-1159, pp 35-49)
  Response of selected thermoluminescent materials to fast-neutron exposures, 23:694 (BNWL-SA-1830)
  Response of selected thermoluminescent materials to fast neutron exposures, 23:38322 (BNWL-1080)
  Response of selected thermoluminescent materials to fast neutron exposures, 24:4496 (BNWL-1159, pp 49-65)
  Thermoluminescence personnel dosimetry at Hanford. I, 24:25312
  Thermoluminescence personnel dosimetry at Hanford. II, 24:33949
  Thermoluminescence personnel dosimetry at Hanford, 25:32286
  ZPPR/FTR-2 shield experiments: gamma distribution, 24:33455
KOCHER, Leo F. Neutron film dosimeter using multiple filters, 22:19173
KOCHERGINA, S. A. Determination of Th with EDTA, 23:37902
KOCHEROV, N. P. Investigation of the latent photographic images in nuclear emulsions, 22:16871
  Two-potential method of development of nuclear emulsions, 23:47769
KOCHERZHINSKII, Yu. A. CrSi$_2$—MoSi$_2$ diagram, 22:2706
  Phase studies in alloys of refractory metals, 25:37972
  Polymorphism of molybdenum silicide, 23:2286
  Temperature of phase transformation of beryllium oxide, 24:3035
KOCHERZHINSKII, Yu. O. Diagram of phase equilibrium of Si—Mo system, 24:44808
KOCHESHKOV, K. A. Radiation-thermal isomerization of alkyl bromides, 25:8279
  Radiothermal isomerization of alkyl bromides, 25:18438
  Redistribution reaction of radicals under conditions of gamma-irradiation (^{60}Co), 23:40709
KOCHETKOV, G. A. Inelastic interactions of cosmic ray particles with lead nuclei, 22:2828
KOCHETKOV, L. A. 15th anniversary of world's first nuclear power plant, 23:34910
  Boiling burnout in reactor, 24:11197
  Organisation of experimental work on fuel-element testing at the first atomic power station reactor, 25:39164 (LB/G-3024)
KOCHETKOV, N. K. Concerning the mechanism of radiolysis of aqueous solutions of cellobiose, maltose, and gentiobiose, 23:17480
  Electron paramagnetic resonance study of the free-radical state, formed on irradiation of frozen solutions of cellobiose, gentiobiose, and maltose, 22:33456
  Epimerization of monosaccharides under effect of γ irradiation, 24:6002
  Formation and transformation of radicals in meso-inositol under the effect of γ-radiation, 24:29335
  Formation of desoxysaccharose on irradiation of aqueous solutions of carbohydrates, 24:20826
  Mechanism and products of radiolysis of α-methyl-D-glucoside, 22:33455
  Racemization of α-amino acids exposed to γ radiation, 25:34622
  Radiation chemistry of carbohydrates. X, 23:21741
  Radiation chemistry of carbohydrates. IX, 23:21740
  Radiation chemistry of carbohydrates. XII, 25:6371
  Radiation chemistry of carbohydrates. XIV, 25:34664
  Radiation chemistry of carbon. VIII, 22:27761
  Radiolysis of aqueous solutions of ribose, 23:11559
KOCHETKOV, O. A. Contribution to the setting-up standards for inert radioactive gases, 21:43218 (BNL-tr-141)
  Dose equivalent of γ-neutron radiation, 21:1766
  Measurement units in radiation dosimetry and safety, 22:49372
  Measuring units for ionizing radiation dosimetry and radioprotection, 21:41407
  Spatial distribution of fast and intermediate neutron doses in human phantom, 21:43388
  Tissue doses produced by monoenergetic neutrons in human phantoms, 21:8839
KOCHETKOV, V. L. Co-precipitation of certain rare earth hydroxides with selenite ions, 22:6375
  Coprecipitation of small amounts of Mo, Cr, and Re with metal hydroxides, 22:23104
  Coprecipitation of tungsten with metal hydroxides, 22:18793
  Extraction of radioactive isotopes of indium from irradiated targets of silver by means of lanthanum hydroxide, 22:51072
  Influence of metal hydroxide properties on sorption of selenite ions, 22:6380
  Level scheme and γ transitions in ^{129}I, 23:13269
  Study of the effect of foreign ions on the coprecipitation of molybdenum and tungsten with zirconium hydroxide, 22:8063
KOCHETKOVA, N. E. Determination of plutonium in sulfuric acid solution, 22:45018
  Extraction of Cm and Eu, 24:4369
  Extraction of trivalent actinides and europium, 24:27220
  Solvent extraction of Fe(III) with l-phenyl-3-methyl-4-benzoylpyrazolone-5, 23:15932
KOCHETKOVA, V. A. Influence of radiotherapy on microflora of skin and intestine in patients with cancer, 25:32626
KOCHETOV, A. B. Calculation of quadrupole moments, deformations, and shape of light nuclei within K-harmonic method, 25:28180
KOCHETOV, I. I. Scattering problem under a non-monotonic potential for the classical case, 25:56572
KOCHEVANOV, V. A. Determination of Zr in alloys with Be, Mg, Al, and Nb by photoactivation, 25:59
  Sensitivity of photoactivation analysis using a betatron with an internal target, 23:13679
KOCHEVANOVA, L. A. Influence of processes of complex formation on the sorption of ions of heavy metals by phosphate sorbents, 23:21785
  Kinetics of the ion exchange on phosphoric acid sorbents with different shapes of the particles, 22:27688
KOCHHAR, R. K. Oscillations and stability of rotating masses with toroidal magnetic fields. II, 25:49608
KOCHI, J. K. Electron transfer oxidation of alkyl radicals by copper(II) complexes, 22:45051
KOCHKIN, V. A. Coherent frequencies of transverse oscillations in the electron model of a ring cyclotron, 25:31038 (JINR-P9-5677)
  Load stabilizer for heavy-current accelerators, 22:32331 (CEAL-2000, pp A83-4)
  Measurement of the accelerated beam phase in the electron model of the ring cyclotron, 25:53412 (JINR-P9-5873)
  Rf system of the monoenergetic cyclotron, 25:31128
KOCHKIN, V. I. Analysis of peripheral model for process $p + p \rightarrow p + n + \pi^+$ at 0.5 to 0.7 GeV, 22:15813 (JINR-E2-3638)
  Calculation of double charge exchange of π-mesons by nuclei, 21:9707 (JINR-P2-3004)
  Calculation of double charge exchange of π-mesons on nuclei, 21:40244
  Investigation of ^{8}Li recoil nuclei in ^{9}Be(p,2p)^{8}Li reaction at proton energies of 180 and 660 MeV, 25:12378 (JINR-P1-4872)
  Kinematic characteristics of residual nuclei in cascade process at proton energy 660 MeV, 21:25508 (JINR-P2-3201)
  Kinematic characteristics of residual nuclei in cascade process at 660 MeV proton energy, 22:22629
  Lithium-8 recoil nuclei in reaction ^{9}Be(p,2p)^{8}Li at 180 and 660 MeV protons, 25:25644
  Study of one-pion exchange model of reaction $p + p \rightarrow p + n + \pi^+$ in the I = J = 3/2 resonance approximation at proton energy of 660 and 970 MeV, 25:17516 (JINR-P2-5572)
KOCHKIN, V. L. Analysis of the peripheral model for the process $p + p \rightarrow p + n + \pi^+$ at 0.5 to 0.7 GeV, 22:32177
KOCHKINA, T. P. Vertical motion in central region of relativistic cyclotron, 21:7587 (JINR-P9-3017-1)
KOCHMAN, E. D. Electrodeposition of Zn—Cd alloy, 23:29990
KOCHMANSKA, Anna Effect of prolonged fractionated x-ray irradiation on the generation cycle of small intestine crypt cells in mice, 25:19122
KOCHMARSKII, V. Z. Coherent effects in slow neutrons scattering on local vibrations, 24:49679 (ITF-70-30)
KOCHNOV, V. A. Induced reactions in radiochemistry. III, 24:38859
  Induced reactions in radiochemistry. VI, 25:57413
KOCHNOV, V. T. Dosimetric measurements on board Cosmos 110 satellite, 22:41393
KOCHOWSKI, C. Six prong π^-p interactions at 11 GeV/c incoming momentum, 22:39278 (CERN-68-7(Vol.2), pp 226-43)
KOCHOWSKI, Claude Study of A$_1$, A$_2$, and other mesonic states in π^-p interactions at 11 GeV/c, 23:30711 (CEA-R-3468)
KOCHTITZKY, O. W. Evaluation of radiation dose to man from radionuclides released to the Clinch River, 21:16307
KOCHURIKHIN, V. E. Isotope effects in CO$_2$ adsorption on zeolites, 25:34708
  Separation of hydrogen and nitrogen isotopes by adsorption on synthetic zeolites, 21:39139
  Separation of hydrogen isotopes by sorption on synthetic zeolites, 23:21797
KOCH-WESER, D. Alteration of the quantitative distribution of radioactive materials as an index of hepatic cirrhosis, 22:38395
KOCI, D. Transducer systems used in irradiating environments: Project TEE, 21:45492 (UCID-15218)
KOCI, J. Personal monitoring of workers during the translocation of a ^{90}Sr—^{90}Y beta source by aid of TLD, 25:42444
KOCIAN, P. Experimental investigation of a glow discharge in a toroidal tube, 21:42098
  Positive column of a low-pressure discharge in a toroidal tube, 21:42100
  Properties of ultra high vacuum extractor gages, 25:18838
KOCIC, Antanasije Experimental determination of the resonance integral of silver, 22:44745
  Resonance absorption cross section for Zy-2 and Zr, 23:44812
KOCIK, J. Extended dislocations and stacking faults on (110) and (001) planes of α-U, 22:15217
  Extended dislocations and stacking faults on (110) and (001) planes of α-U, 22:17141
  Mechanical properties of uranium and its alloys between -200°C and 730°C, 25:6858 (UJV-2436-M)
  Thermoluminescent glass activated by manganese, 21:40105
  Use of the potentiostat in the microstructural examination of uranium, 25:4792
KOCINSKI, J. Critical magnetic scattering of neutrons, 22:1568
  Critical magnetic scattering of neutrons in antiferromagnets, 23:25768
  Critical scattering of polarized neutrons in ferromagnets, 24:10902
KOCK, Heribert Chlorinating decomposition of substances containing niobium, 22:50984
KOCK, M. Abundances of Fe and some other elements in the Sun and in meteorites, 23:51283
  Revised solar iron abundance, 23:46189
KOCK, Manfred Experimental transition probabilities and the solar abundance of copper, 23:3229
KOCK, N. G. Carcinoma of thyroid gland review, 23:50795
KOCK, Robert L. Rapid sequential cranial scintiphotography, 22:51806
KOCKARTS, G. Oxygen infrared emission in Earth's upper atmosphere, 24:23880
KOCKUM, J. Expansion method to unfold proton recoil spectra, 24:33927
  Experimental and theoretical work at zero-energy fast reactor FRO, 21:35673 (ANL-7320, pp 159-84)
  Modified least-squares method to unscramble proton recoil spectra, 22:33662
  Pulsed-source, Rossi-α and variance-to-mean measurements performed at FRO reactor, 21:35698 (ANL-7320, pp 694-704)
  Time-dependent S/sub N/ calculations describing pulsed source experiments at Fro reactor, 22:35632
KOCKUM, Joergen Analysis of pulsed source experiments performed in copper-reflected fast assemblies, 24:43801 (AE-399)
KOCMIERSKA-GRODZKA, D. Antimetabolites in the treatment and prophylaxis of radiation sickness, 23:29571 (JPRS-47370)
  Antimetabolites in the treatment and prophylaxis of radiation sickness, 23:31820
  Proteolysis of partially denatured albumin in isolated perfused intestine of normal and irradiated rats, 25:13349
  Proteolytic activity in isolated perfused liver of normal and x-irradiated rats, 25:26984
  Radiotoxins in pathogenesis of radiation sickness, 25:52197
  Radiotoxins role in radiation sickness in rats, 25:47004
KOCMIERSKA-GRODZKA, Danuta Effect of irradiation on the suppression of enzyme in guinea pigs, 22:38471
  Mechanism of radiation protective effect of proteolytic enzymes, 24:6063
KOCOUREK, J. Studies on phytohemagglutinins. II, 24:613
KOCOUREK, Jan Effect of S-containing analogs of sugar derivatives on plant growth and metabolism. II, 21:26671
  Effect of S-containing analogs of sugar derivatives on plant growth and metabolism. III, 21:34815
KOCSAR, L. Lung-scan, 23:48102
KOCSIS, E. Reaction between methyl iodide and alkaline iodide, 25:12996
KOCSIS, F. New trends in the industrial application of radioactive isotopes in Hungary, 25:51692 (A/CONF.49/P-325)
KOCSIS, F. J. New method for γ-radiation dosimetry, 23:7881
KOCSIS, S. Low-energy gamma-sources in clinical diagnostics, 23:43814
KOCSIS, S. E. Isotopic exchange between methylene iodide and K iodide, 23:49783
KOCSOR, S. Further observations on the radioprotective effect of pantothenic acid, 21:20218
KOCSOR, Zs. New data on the ray-protective effect of the pantothenic acid, 21:26502
KOCURICHIN, V. E. Separation of nitrogen and oxygen isotopes, 23:15937
KOCZAN, Steven P. Braze joint strength, 25:22052 (LA-4584)
KOCZKAS, Gy. Technical and dosimetry problems of irradiating animals, 22:15004
KOCZKAS, Gyula Diagnostic film dosimeter in the study of radiation exposure to the population resulting from x-ray fluoroscopy, 22:25835
KOCZKAS, J. Diagnostic film dosimeter, 21:28482
  Dosimetric experiences with Roentgenometer type NS-200/B, 21:26258
  Film dosimeters with wide measuring range by changes in the emulsion and conditions of development, 21:26444
KOCZKUR, E. Plume rise and dispersion near shoreline of a large lake, 22:40229 (AECL-2787, pp 215-28)
KOCZOREK, K. R. Determination of aldosterone in small fractions of urine, 24:29637
KOCZY, F. F. Radium and radiocarbon in Caribbean waters, 22:192
KOCZYNSKI, A. X and gamma thermoluminescent dosimeter for accidental personnel dosimetry purposes, 25:26516 (CLOR-82/D)
KODA, S. Computer-focusing for area scans, 23:50685
  Effect of hydrogen on the tensile properties of zirconium, 23:34106
  Effects of alloying elements and cold work on redistribution of H in Zr, 24:12408
KODA, Shigeyasu Ageing and precipitation in Fe—Be alloys, 22:49855
  Oxidation of Zr thin films and zirconia thin films, 23:50996
  Precipitation in beryllium—iron alloys, 23:24898
  Precipitation in quenched and aged Be, 24:32391
KODA, Sigeyasu Internal oxidation of nickel alloys containing small amounts of chromium, 25:15455 (SC-T-713004)
KODA, Y. Determination of radioruthenium using a polyethylene film, 25:46442

- KODAIRA, K. Abundances in two horizontal-branch A stars, 23:14472
  - Attempt at radio observation of peculiar A stars, 24:46864
  - Fabrication of transparent BeO by high-pressure hot-pressing, 25:32790
  - New evidence for the oblique-rotator model for α^2 Canum Venaticorum, 23:44051
  - Spectroscopic investigation of B3V stars, 24:35016
- KODAIRA, Keiichi Bright B3 V stars, 24:19580
  - Osawa's peculiar star HD 221568, 23:39080
  - Radio observation of Ap stars, 24:39740 (AD-704794)
  - Unusual composition of +39°4926, 24:15009
- KODAIRA, Mitsuhiko Collisional transfer of triplet excitations between helium atoms, 24:3182
- KODAIRA, T. Creep and creep-rupture tests of stainless steel as structural material of fast breeding reactor, 25:2660 (JAERI-Memo-4097)
- KODAIRA, Tsuneo Evaluation of integrity for fast neutron irradiation embrittlement of JPDR pressure vessel, 25:28682 (JAERI-1202)
- KODAKA, Hisao Effects of neutron irradiation on Cu—Be alloys, 25:55583
  - Recovery stages of neutron irradiated Nb, Zr, and their alloys, 25:22129
- KODAMA, Kenjiro Chlorination of Ningyotoge uranium ore, 22:33509
  - Chlorination of Ningyotoge uranium ore by moving bed test plant, 22:33513
- KODAMA, M. Selective irradiation of lymph nodes and its application to clinical renal transplantation, 23:47990
- KODAMA, Masahiro Balloon borne instrument for auroral x-ray measurements, 25:17031
  - Balloon observation of auroral x rays at Syowa Station, Antarctica, 25:17030
  - Cosmic-ray diurnal variation and interplanetary magnetic field, 23:36543
  - Cosmic-ray diurnal variations at sea level and mountain altitude, 25:16863
  - Cosmic-ray diurnal variations during quiet-sun period 1962—64, 22:1023
  - Cosmic-ray neutron observation in 8th Japanese antarctic research expedition 1967-68, 25:16864
  - Digital recording marine barometer, 21:32533
  - Mean multiplicity in NM64 neutron monitor, 25:40401
  - Multiple neutron production in solar cosmic-ray increase, 21:41840
  - Multiplicity measurements of cosmic ray neutron monitors in low latitude, 21:41839
  - Stratospheric sudden warmings and cosmic rays in the antarctic, 23:5258
- KODAMA, Mashio Recording device for a scintillation scanner, 22:49404
- KODAMA, Motomu Diagnostic application of radioisotopes in neurosurgery. I, 22:31198
  - Studies on diagnostic application of radioisotopes in neurosurgery. II, 23:14243
- KODAMA, Mutsuo ac polarographic determination of La, Ni, Ca, and Mg with DTPA, 23:7478
- KODAMA, Susumu Studies on analysis of rare earths. III, 25:39425
- KODAMA, T. Optical measurement of a high-frequency electric field in a weakly ionized plasma, 25:36094
  - Radiation curing of diallylphathalate prepolymer and monomer mixtures, 24:31397
  - Shell-structured electron-cyclotron plasma in a mirror machine, 23:18622 (CONF-680113-(Vol.1), pp 429-55)
- KODAMA, Takashi Radiation curing of mixture of diallylphthalate prepolymer and vinyl monomer. III, 25:10606 (JAERI-5026, pp 101-7)
  - Radiation curing of mixtures of diallyl phthalate prepolymer and monomer. II, 24:11571 (JAERI-5022, pp 111-24)
- KODAMA, Takeshi Beta-stability line and liquid-drop mass formulas, 25:43916
  - Internal conversion coefficients for electron-spin-polarized ^{57}Fe, 25:5659
  - Neutron and proton distributions in nuclei, 23:45008
  - Nuclear structure and the vector coupling constant of beta decay, 22:27384
- KODAMA, Tatsuro Zircaloy tubes for nuclear cladding, 25:2695
- KODAMA, Tsuyoshi Hydride orientation in Zircaloy, 25:40055
- KODANEVA, R. P. Depressant effect of small doses of ionizing radiation on growing plants, 21:4883
- KODATSKII, S. B. Constructional features of nuclear-powered vessels, 25:60204
- KODERA, K. Nonreactive scattering of K by HBr and DBr in crossed molecular beams, 21:31220
- KODERA, Kumasaburo Velocity selector for molecular beams, 23:20695
- KODESS, B. N. Superconductivity of some new β-W compounds, 25:25041
- KODIRI, S. Activation analysis of strontium by γ—γ' reaction, 25:48487
  - Determination of Be by (γ,n) reaction in linac, 25:8225
  - Gamma activation method for determining Se, Y, Ag, Ba, Hf, and Au, 23:45232
  - Gamma-activation method for determining rhodium, 23:21670
  - Neutron activation analysis of enriched isotopes of Eu, In, Ir, and Lu, 25:57391
- KODOCHIGOV, P. N. Determination of the impurities and investigation on their distribution in diamond crystals of various deposits using neutron activation analysis, 21:38887
- KODOLOVA, L. I. Biological effects and kinetics of the elimination of tritium oxide in dogs, 24:9769
- KODOSKY, G. Metastability of the 2s state of muonic hydrogen, 25:13991
- KODRE, A. Acceleration controlled drive with constant acceleration for Moessbauer experiments, 21:8595
  - The k-shell fluorescence yield of phosphorus, 22:17392
- KODYUKOV, V. M. Gamma defectoscopy method, 21:249
  - Isotropic thermoelectric generator, 24:21638
  - Methods of measuring high-activity radiation sources, 21:1625
  - Use of scattered γ radiation in defectoscopy and material thickness measurements, 21:248
- KODZHESPIROV, F. F. Variations of nonadditivity of electro- and x-ray luminescence of ZnS:Cu phosphors, 24:15403
- KOEBBERLING, K. O. Propellant radiation heating and payload dose predictions for NERVA nuclear rocket systems, 22:32942
- KOEBBERLING, M. Electromagnetic cascades in lead, copper, and aluminum at 6 GeV, 25:1370
  - Measurements of longitudinal and lateral development of electromagnetic cascades in lead, copper, and aluminum at 6 GeV, 24:3491 (DESY-69/39)
- KOEBERLE, P. Automatic compensation for fluorescence extinction in liquid scintillators, 22:14794
  - Important potential source of error in the routine determination of radioisotopes of low energy by liquid scintillation counting, 23:19978
- KOEBERLE, R. Cabibbo's theory and second-order SU(3)-symmetry-breaking corrections, 25:30930
  - Hard-pion calculation of single-pion production in pion—nucleon scattering, 25:1544
  - K^+—nucleon scattering in broken SU(3) x SU(3), 25:33744
  - Low-energy nucleon Compton scattering, 23:13065
- KOEBKE, K. Hyperon star matter, 24:35000
  - Thermodynamics of hyperon stars, 25:58521
- KOEBLER, U. Energy levels and interaction between Eu^{3+} ions in Y_2O_3, 24:42834
- KOECHLIN, F. Acceleration of a plasma ring, 21:27202
  - Experimental study of a current sheet, 23:30539
  - New method of magnetic pumping for plasma heating, 25:19648
  - New method of magnetic pumping for plasma heating, 25:38388 (CONF-710607-138)
  - Shock and current sheet structure in a theta-pinch configuration, 24:28263
- KOECHLIN, Y. Detection and energy measurement of electrons above 1 GeV, 25:6578
  - Detection and measurement of cosmic-ray electrons, 22:34319
  - East—west asymmetry and charge sign ratio of primary cosmic-ray electrons at 8.3 GV rigidity cut-off, 23:12597
  - High energy electrons in solar flares, 23:51263 (CEA-CONF-1402)
  - Observations on electrons in energy range 8 to 300 MeV, 23:51264 (CEA-CONF-1403)
  - Sign ratio and absolute flux of cosmic-ray electrons, 21:641
- KOECK, George P. Biopsies in therapy of head and neck cancer, 23:38726
  - Dosage tolerance of pelvic structures with ^{60}Co rotation radiation therapy, 25:26894
- KOECKE, K. Iodine-131 metabolism of guinea pigs, 23:20122
- KOECKELENBERGH, A. Solar decametric waves, 23:36439
- KOEGAN, W. A. Electron metallography techniques applied to body-centered-cubic metals and alloys, 22:2661
- KOEGEL, Hermann Viscosity and strength of hardened tool steel, 22:21705
- KOEGERLER, R. Compton scattering and the Bjorken limit, 24:47405
  - Regge analysis of massive muon-pair production, 25:50154
- KOEGERLER, R. F. Deep inelastic lepton—hadron scattering and pair production in strong interactions, 24:10726 (JINR-E2-4791)
- KOEGLER, Heinz Production of silicides of transition metals by the auxiliary metal bath procedure, 22:38614
- KOEHL, B. G. Hydrogen segregation in Ti-6 Al-4V weldments made with unalloyed titanium filler metal, 24:29979
- KOEHLE, H. Questions with water cooled reactor power plants, 24:18640
- KOEHLER, A. C. Steel-shell containment vessel with concrete shield building, 22:32868
- KOEHLER, A. M. Dosimetry of proton beams using small silicon diodes, 22:12859
  - Measurement of cross sections with neutrons as targets. II, 23:18802
  - Proton radiographic techniques, 25:39785
  - Proton radiography, 22:28034
  - Solar cosmic-ray events: biological data relevant to their effects in man, 22:12925
  - Thin parallel-walled liquid hydrogen target, 23:30903
- KOEHLER, B. Studies on the evaluation errors in rod-drop experiments, 22:18475
- KOEHLER, Conrad F. Jr. Technique for attaching a vacuum tight window to a curved surface, 25:18712
- KOEHLER, D. R. Fast neutron spectrometric technique. II, 21:28236
  - New x-ray spectrometric technique, 21:17875
  - Spectral information and the experimental resolution problem, 21:3262
- KOEHLER, Dale R. Integrated circuit multi-cell P—N junction radiation detectors with diodes to reduce capacitance of networks, 25:32221
- KOEHLER, Dale Roland Improvements in or relating to radioactive time bases using multicellular detectors, 25:37698
  - Improvements in or relating to timekeeping systems with a radioactive timekeeping standard, 25:18819
- KOEHLER, E. K. Influence of additions of rare-earth oxides on the polymorphism of zirconia and hafnia, 23:12438
  - Kinetics and mechanism of solid state reactions in the systems of refractory oxides, 25:8935
  - Phase transitions in refractory oxides (ZrO_2 and rare-earth oxides), 22:4800
  - Rare earth elements in ternary solid solutions based on zirconia, 25:32827
- KOEHLER, F. Fuel element monitoring in Rheinsberg nuclear power plant reactor, 24:45861
- KOEHLER, F. A. Determination of As(III) by controlled-potential coulometry, 23:31257 (MLM-1602)
- KOEHLER, G. Evaluation errors occurring in rod-drop experiments, 23:49658 (ORNL-tr-2221)
- KOEHLER, H. Differential rotation caused by anisotropic turbulent viscosity, 24:42445
  - Light yield of gaseous scintillators, 24:19213
- KOEHLER, H. A. Identification of three trapping centers in calcium tungstate, 25:22607
- KOEHLER, H. S. Calculation of ^{16}O binding energy, 21:31711
  - Energy spectra of single-particle states in nuclei, 25:43826
  - Many-body calculations for nuclei, 24:11034
  - Nuclear Hartree—Fock calculations, 24:30939
  - Nuclear masses, shell-model, and superheavy nuclei. I, 25:23092
  - Nuclear masses, shell-model, and superheavy nuclei. II, 25:46043
  - Reaction matrix theory for finite nuclei, 21:27638
  - Self-consistent field calculations for nuclear surface and ^{208}Pb, 21:7836
  - Some nuclear matter calculations, 23:23800
  - Velocity- and density-dependent interactions in finite nuclei calculations, 24:1873
- KOEHLER, Helmut IR spectrum of nitrosodicyanmethanide ion $[ONC(CN)_2]^-$, 24:46216
  - Phenoxides of the triad elements, 25:41780 (SC-T-713038)
- KOEHLER, J. A. Intergalactic atomic neutral hydrogen. I, 21:3620
  - Intergalactic atomic neutral hydrogen. II, 21:3621
- KOEHLER, J. S. Annealing study of dilute aluminum alloys electron-irradiated at liquid-nitrogen temperature, 25:17278
  - Atomic mechanisms during the annealing of irradiated metals, 23:10235 (COO-1198-585)
  - Effect of high temperature electron irradiation in gold, 25:33412
  - Electron irradiation effects in silicon at liquid helium temperatures using ac hopping conductivity, 25:1260 (COO-1198-744)
  - Electron-irradiation effects in silicon at liquid-helium temperatures using ac hopping conductivity, 25:36305
  - Helium-temperature annealing of electron-irradiated n-type germanium, 25:45566
  - Influence of trace impurities on defect behavior, 23:46073 (COO-1198-661)
  - Low-temperature annealing of electron-irradiated germanium, 25:59132
  - Recovery of pure platinum and dilute platinum—gold alloy electron-irradiated at liquid-nitrogen temperature, 25:36306
  - Simple ion source for implantation doping of semiconductors, 25:5165
  - Stage-III annealing in Au after electron irradiation, 23:8685
  - Stage-III annealing study of electron-irradiated pure aluminum, 22:11519
  - Stage-III annealing study of electron-irradiated pure aluminum, 22:31926 (BNL-50083, pp 244-64)
  - Vacancy annealing in three different experiments in gold, 22:7372
- KOEHLER, J. T. BNL work on Ne/H_2 targets, 25:34961 (CONF-700623-(Vol.1), pp 511-31)
- KOEHLER, John Bubble chamber detection technique for gamma rays in momentum region below 1 GeV/c, 25:34964 (CONF-700623-(Vol.1), pp 555-66)
  - Magnetic field fit to the 30" BNL bubble chamber, 22:23319 (BNL-12374)
- KOEHLER, K. Effects of α-deuterium substitution, polar substituents, temperature, and salts on the kinetics of hydrolysis of acetals and ortho esters, 25:41800
- KOEHLER, Lyle E. Balloon-borne hygrometer system for the measurement of atmospheric water vapor, 21:36154
- KOEHLER, M. Electronic system for pulse shape discrimination in CsI(Tl), 23:19974
  - NA-2 design: 300 MWe German FCR, 22:16187
  - Reactor vessel for the SNR-prototype, 24:52754
- KOEHLER, P. CORONA: program for two-group control rod calculations in reflected reactor, 25:3926 (EIR-166)
  - Evidence for existence of Z*, 24:20159
- KOEHLER, P. F. M. Neutron—proton bremsstrahlung at 197 MeV, 21:27303
  - Polarization in K^+p elastic scattering and phase-shift analysis, 23:36843
  - Proton—proton bremsstrahlung at 204 MeV with a polarized beam, 21:33601
  - Quasifree nucleon—nucleon bremsstrahlung at 197 MeV, 22:26557
- KOEHLER, P. R. Endolymphatic therapy, 24:41944
- KOEHLER, P. Ruben Conference on progress in lymphology, Miami Beach, Fla., 3/68. II, 24:41925
  - Further studies in lymphokinetic considerations of lymphography and intralymphatic therapy, 24:32112
  - In vivo autoradiography of ^{133}Xe distribution in cystic human kidney, 22:43385
- KOEHLER, Peter Friedrich Max Measurement of radiative proton—deuteron interactions at 197 MeV, 22:15676
- KOEHLER, Richard L. Radio propagation measurements of pulsed plasma streams from the Sun using Pioneer spacecraft, 22:41268
- KOEHLER, Richard Lawton Interplanetary electron content measured between earth and the Pioneer VI and VII, 22:26171
- KOEHLER, T. R. New approach to lattice dynamics applied to solid ^{3}He at 0°K, 21:25070
- KOEHLER, Ulrich Eclipsing variable chi^2 Hya = BV 722, 23:39089
- KOEHLER, W. Activation cross section of ^{30}Si for thermal neutrons, 21:4252

Activation integrals of ^{98}Mo, ^{103}Rh, and ^{191}Ir, 24:3932
Average cross sections and half-lives of /sup 197m/Au and /sup 89m/Y excited by inelastic scattering of reactor neutrons, 23:40058
Corrosion stability of Ti-, Zr-, Ta-, and high Mo-alloyed Ni materials in acetylation mixtures, 23:41553
Counting efficiency for sulphur pellets containing ^{32}P, 23:9709
Determination of fast neutron flux densities by the threshold detectors ^{237}Np, ^{232}Th, ^{58}Ni, and ^{27}Al, 24:44272
Determination of the resonance activation integrals of ^{41}K, ^{51}V, and ^{55}Mn, 21:29937
Fast-neutron flux densities and dose-rates, 24:16896
Hot cells for the processing of solid radioactive wastes, 24:25183
Production of isomers by (n,n') reactions and application in flux density measurements in reactors, 22:7705
Solid-state track recorders for neutron spectra measurements, 24:41689
Two new electric power manipulators, 24:25184
What should be reported as fast neutron fluence, 25:46231
KOEHLER, W. C. Antiferromagnetism in Cr alloys. I, 21:2319
Experimental studies of polarization effects in spin-wave scattering of neutrons, 22:26505
Magnetic properties of Er-based binary rare earth alloys, 25:5207
Magnetic properties of fcc rare earth—thorium alloys, 22:15587
Magnetic properties of some alloys of thorium with holmium and erbium, 21:20511
Magnetic structure properties of alloys of Tb, Ho, and Er with Sc, 22:48185
Magnetic structures of Er_2O_3 and Yb_2O_3, 23:10719
Magnetic structures of Ho. II, 21:33524
Magnetic structures of Ho. I, 21:2320
Magnetic structures of rare earth alloys, 23:18727
Neutron-diffraction study of Ho_{25}—Dy_{75} and Ho_{50}—Dy_{50} in an external magnetic field, 25:47635
Neutron-scattering experiments on gadolinium, 25:47633
On-line computer-controlled triple-axis neutron spectrometers, 24:9679
Paramagnetic form factor of gadolinium, 21:20512
Polarization analysis of thermal-neutron scattering, 23:39909
Scattering cross sections of the isotopes of dysprosium, 22:53211
Single-crystal neutron—diffraction studies of HCP rare earth—thorium alloys, 25:47666
Spin polarization of conduction electrons in Gd, 25:50019
KOEHLER, W. E. Nonspherical scattering amplitude for inelastic molecular collisions, 24:32655
Spin structure of nuclear reactions of the type $1 + 1 \rightarrow 0 + 0$, 22:50660
KOEHLER, W. H. Analytical bounds on complex roots of inhour equation, 25:41615
Conference on coupled reactor kinetics, College Station, Tex., 1/67, 21:40600
Coupled-reactors kinetics equations, 21:12186
Doppler feedback with delayed brake time for super-prompt critical excursions in fast-breeder reactors, 24:2006 (KFK-961)
Effect of short delay times in super-prompt-critical excursions of fast reactors, 24:7327
Influence of time-dependent coupling coefficients and delay times on the kinetics of a modular fast reactor core, 22:35544
Na critical point data uncertainty in Na-fuel interaction, 25:6074
Neutronic and thermal design aspects of thermonuclear fusion reactor blankets, 25:38509 (CONF-710607-135)
KOEHLER, Walter H. Reactivity feedback with short delay times, 24:16164
KOEHLER, Wilfried Application of solid state track recorders for neutron spectra measurements in a reactor irradiation facility, 25:44654
KOEHLY, G. Effect of organic diluent on TLA extraction of Pu(IV) from nitric acid medium, 23:24272 (CEA-CONF-1267)
Plutonium isotopes determination, 24:29210 (CEA-CONF-1535)
Processing of highly irradiated Al—Pu alloy, 24:14030
KOEHLY, Gerard Purification of transplutonium elements, 24:48163
KOEHMSTEDT, P. L. Radioactive material transport in flowing sodium systems, 25:2706
Radioactivity in FFTF closed loops, 25:31627 (BNWL-585)
KOEHN, D. Measurement of the secondary gamma spectrum from 0.2 to 2 GeV in the upper atmosphere, 21:24943 (NP-tr-1521)
KOEHN, Diederich Measurement of the ultraradiation γ spectra from 0.2 to 12 GeV at an atmospheric depth of 26 g/cm^2, 21:27022
KOEHN, Richard K. Radiation levels in the barrel cactus, Ferocactus Wislizeni, 22:40688
KOEHNE, R. Determination of the energy balance of a pulsed plasma source, 25:22536
Further investigations on low-density Hall accelerators, 24:30362
Spectroscopic measurements on electrodeless plasma accelerator, 21:23164 (NP-16694)
KOEHNLEIN, D. Effect of pressure on T/sub c/ and band structure in transition metal alloys, 23:42147
Superconductivity of V, Nb, and Ta at high pressures, 22:7232
KOEHNLEIN, H. E. Urgent surgery in radiation incidents, 23:22334
KOEHNLEIN, Wolfgang ESR-studies of normal and 5-bromouracil-substituted DNA of Bacillus subtilis, 23:45668
Thermal reactions of H atoms with organic compounds in sulfuric acid glasses, 23:24239
KOEKENY, Mihaly Role of nuclear power in energy supply, 22:42256
KOELBEL, Herbert Influence of ionizing radiation on the activity and selectivity for catalytic hydridation of carbon monoxide, 25:21028
Influence of ionizing radiation on the chemisorption of carbon monoxide on reduced iron precipitation catalysts, 25:39522
KOELBIG, K. S. FORTRAN programmes for the treatment of personnel monitoring data, 22:4483 (CERN-67-28)
Particle production in nuclei and unstable particle cross sections, 22:39429
Regge cuts, multiple scattering, and the pomeron slope, 24:18225
KOELBL, F. Preferred position of tungsten carbide in the composition of hard metals, 25:58261
KOELBLOED, David Abundances in two extremely high-velocity stars, 21:39742
KOELKER, H. Crystal growth of β-rhombohedral boron, 25:730
KOELLE, Alfred R. Crossing high-voltage interfaces with large bandwidth signals, 21:17210 (LA-DC-8370)
Mortar location by short baseline acoustical detection, 22:20991 (LA-DC-9286)
KOELLER, Erich H. Prog. rpt. on minimal equipment in shelters, final, 6/65, 21:8782 (AD-631424)
KOELLING, D. D. Electronic band structure of the actinide metals, 25:11992
Electronic structure of Th metal, 25:56388
KOELLING, H. A. Effect of temperature and saturation ratio on vapor grown cadmium crystals, 25:32674
KOELLING, J. Thermal neutron flux perturbations, 21:2585 (SC-DC-66-1502)
KOELLING, K. Scintigraphic representation in fibrous dysplasia of frontal skull bone, 24:50986
KOELLING, R. A. Cues: relative effectiveness as function of reinforcer, 22:28686
Detection of minute doses of ionizing radiation, 21:6688
KOELLING, Robert A. Aversions induced by x rays, toxins, and drugs in the rat, 22:12932
Toxicity of serum from irradiated donors, 21:14607
KOELLMANN, R. First operating experience with NS Otto Hahn. II, 24:9159
KOELLNER, P. Apparatuses of He purification system of a high-temperature reactor, 24:38530
KOELLNER, Paul Experiences of constructing, manufacturing, and operation of devices of cleaning system for He from a high temperature reactor, 25:25865
KOELMARK, H. G. Genetic studies of urease mutants in Neurospora crassa, 23:31708
Mutagen specificity in Neurospora crassa, 25:42352
KOELSCH, E. Immunological tolerance and inhibition by hapten, 24:17004
KOELZER, W. Annual report 1970, 25:37823 (KFK-1365)
Prog. rpt. of the Radiation Protection and Safety Department, annual, 1969, 25:2570 (KFK-1158)
KOELZSCH, J. Epidemiology of precancerous and malignant tumors of skin. II, 23:29828
KOEMAN, H. Controlled analogue pulse height store, 25:401
KOEN, B. V. Application of queueing theory to closed-loop computer-control systems, . 25:41410
Nonlinear programming approach to optimal control of nuclear reactors, 25:6152
Numerical solution of the coupled core equations, 22:32822
Optimal allocation of energy in industrial and agro-industrial complexes using dynamic programming, 24:33476
Optimization of nuclear materials safeguards sampling systems by dynamic programming, 25:42045
Optimization of nuclear systems by geometric programming, 25:31649
KOEN, Billy V. Evaluation of an introductory nuclear engineering course, 24:33504
KOEN, G. M. Genetic significance of size distribution of uraninite in Witwatersrand bankets, 21:36172
KOEN, J. W. Lifetime measurements on ^{24}Mg and ^{29}Si, 24:13324
Mean lifetime of 720-keV level of ^{45}Sc, 25:45966
Nuclear resonance fluorescence with a strong ^{60}Co radioactive source, 22:27004
Nuclear resonance fluorescence with a 4000-Ci ^{60}Co radioactive source, 23:13208
Nuclear resonance fluorescence with Compton scattered radiation, 24:43237
Width of 1.013 MeV level of ^{27}Al, 23:37157
Widths of the 9.991- and 10.165-MeV levels in ^{27}Al, 22:39621
KOENE, B. K. S. Decays of /sup 70a/Cu, /sup 70b/Cu, and ^{67}Ni, 25:28221
KOENEN, L. Limitation of the confinement of plasma, 23:32319
Trapped reverse field configurations in a linear theta pinch experiment, 22:1181 (LA-3770, Paper A4)
KOENIG, D. R. Slow-neutron cross-sections of fissile nuclei, 25:59879
KOENIG, Daniel R. Determination of work-function distribution on metal surfaces from surface ionization, 21:29075 (UCRL-17437)
KOENIG, E. F. JEFF: a program for analysis of swelling of porous-oxide fuels, 21:8131
LWB/LSBR development program: temperature distributions with self-shielding, 22:35664 (KAPL-3199)
NUKER: a program for thermal and mechanical analysis of fuel rods, 21:8130
NUKER: program for thermal and mechanical analysis of fuel rods, 21:1157 (CONF-661001-26)
KOENIG, Edgar F. Effect of fission distribution on calculated temperature distributions of fuel rods, 21:8129
Effect of self-shielding corrections on calculated temperature distributions, 22:27486 (KAPL-P-3175)
KOENIG, H. Monitoring and insuring of nuclear power plants, 25:25954
KOENIG, H. G. Reaction ^{12}C(p,α)^{9}B with 14 to 17 MeV protons, 24:45735
KOENIG, Hans Absorption of labeled materials by extracted human teeth, 23:22243
KOENIG, Harold R. Beam plasma high-frequency wave generating system, 23:18640
KOENIG, Hartmut Thromboemboli of lungs as complication of gynecological contact curie therapy, 23:29883
KOENIG, Herbert L. Simultaneous measurements of ELF-atmospherics by separate stations, 25:47378 (AD-713890)
KOENIG, J. Neutron—proton elastic scattering in forward direction between 4 and 16 GeV, 23:32613
Total cross-sections for n—p and n—d scattering at 10 GeV/c neutron momentum, 22:53086
Total neutron-nuclei cross-sections at 10 GeV/c, 23:5829
Wall-less proportional counter hodoscope with a computer on-line, 23:43533
KOENIG, J. F. Application of the BEMOD fuel-element modeling code to EBR-II blanket elements, 24:33324
COOLTEMP: computer code for calculating coolant temperatures in EBR-II subassemblies, 25:54198 (ANL-EBR-26)
EBR-II subassembly coolant-outlet temperature measurement, 24:7102
Performance of the EBR-II steam generators and intermediate heat exchanger, 24:7165
Plant performance of EBR-II, 24:33358
Response of an EBR-II hexagonal can to a limited release of high-pressure gas, 25:41544
KOENIG, J. L. Raman scattering in crystalline polyethylene, 24:33697
KOENIG, Joachim Hydrogen shifts. IV, 21:15885
KOENIG, Jude H. X-ray spectrographic camera, 23:732
KOENIG, K.-H. Analysis of cerium(IV) phosphates and phosphatosulfates, 23:2210
Cerium(IV) phosphate as ion exchanger. II, 21:34324
Thin-layer chromatography of inorganic ions on pure zirconium hypophosphate, 23:11414
KOENIG, L. A. Comparison of pocket ionization chambers and film dosimeters, 23:50193
Contribution of poor exchange weather conditions to the radiation burden of the environment of atomic energy facilities, 25:32084 (KFK-1336)
Defining maximum permissible values for the leakage of radioactive materials in air, 24:27235 (CONF-690540-, pp 32-42)
Experience in air monitoring of radioactive aerosols, 25:16153
Experiences in the monitoring of air containing radioactive aerosols, 25:52070 (LA-tr-71-70)
Internal radiation exposure, 23:16305
Limitation of the surface contamination for handling unprotected radioactive substances, 21:12617
Measurement of the activity released via the exhaust air with the help of dosimeters, 22:49346
Personal dose burden caused by nuclear research centers, 25:52061 (A/CONF.49/P-395)
Problem of the radiation load by incorporation, 23:20174 (ANL-Trans-717)
Problems of radiation protection in connection with tritium, 22:19345
Radiation density of Karlsruhe Nuclear Research Center surroundings as consequence of leakage of radioactive material into atmosphere, 23:29007 (KFK-930)
Radiation exposure in case of a reactor accident, 21:12882
Radiological protection problems of tritium, 23:4930 (NP-tr-1703)
Study of propagation of atmospheric pollutants with the aid of tritium, 24:41450
KOENIG, P. J. Latitude dependence of charged-particle albedo, 24:17714
KOENIG, Paul Automated photometric analysis, 25:44327
KOENIG, R. Resonance in ^{16}O + ^{3}He reactions at 5.05-MeV bombarding energy, 21:25453
KOENIG, Sheila Plaque-forming spleen cells following irradiation of X5563 tumor, 23:35879
KOENIG, T. Hyperconjugative contribution to β-secondary deuterium isotope effects, 23:28801
Secondary deuterium isotope effects in radical-forming reactions. IV, 23:28802
Secondary deuterium isotope effects in radical-forming reactions. III, 23:28800
Secondary deuterium isotope effects in radical-forming reactions. V. t-butyl peracetate and substituted t-butyl phenylperacetates, 24:44014
Secondary deuterium kinetic isotope effects in radical-forming reactions. II, 21:27960
KOENIG, U. Continuous flow cryostat for neutron scattering experiments, 22:46055
KOENIG, V. Absolute calibration of tensor analysing powers of the ^{3}He(d,p)^{4}He and the ^{4}He(d,d)^{4}He reactions, 25:31198
An improved source of polarized negative hydrogen ions using a potassium vapor charge-exchanger, 22:29789
Charge exchange collisions between H ions and alkali vapor, 24:28093
Charge exchange of low-energy protons in potassium vapor, 22:34283
Charge exchange of low-energy protons and deuterons in alkali-metal vapors, 23:41977
Deuteron—alpha elastic scattering, 24:49697
Deuteron-alpha elastic scattering, 24:49696
Elastic scattering of vector polarized deuterons on ^{4}He, 23:49316
Measurement of tensor moments (iT_{11}), (T_{20}), (T_{21}), and (T_{22}) in d—^{3}He elastic scattering, 25:53564
Phase-shift analysis of d—α elastic scattering, 25:53585
Production of a highly polarized negative deuterium beam, 21:19113
Reaction ^{3}He(d,p)^{4}He at 0° as an analyser for tensor polarized deuterons, 25:33965

- Source of polarized hydrogen ions for tandem accelerator of ETH, 24:18316 (CONF-680461-2)
- Source of polarized negative hydrogen ions for a tandem accelerator, 24:52338
- Source of polarized negative hydrogen ions for ETH tandem accelerator, 25:53465
- Study of the depolarization of a polarized deuterium beam by charge exchange in potassium vapor, 21:21356
- Tensor moments (iT$_{11}$), (T$_{20}$), (T$_{21}$), and (T$_{22}$) in deuteron—alpha elastic scattering between 3 and 11.5 MeV, 25:53584
- Tensor moments (iT$_{11}$), (T$_{20}$), (T$_{21}$), and (T$_{22}$) for reaction ^{3}He(d,p)^{4}He between 2.8 and 10 MeV, 25:53570
- Vector and tensor analysing powers of the D(d,p)T and D(d,n)^{3}He reactions at 10.0 and 11.5 MeV, 25:59700

- KOENIG, W. Effects of nuclear detonations on human, 23:31883
  - Factors of an atomic weapon detonation that effect the human organism, 22:10795
  - Factors of atomic weapon detonation on human body, 24:733
  - Measurement of coal dust concentrations in pipelines using radioactive isotopes, 25:18606
  - Occupational radiation exposure in German Democratic Republic, 1968, 24:21187 (SZS-12/69)
  - Occupational radiation exposure in German Democratic Republic, 1967, 24:21186 (SZS-10/69)
  - Problems in substituting radium by artificial radionuclides in medicine and industry, 21:28487
- KOENIGER, M. Use of gelating agents in assaying substances labeled with ^{14}C, 22:39995
- KOENIGSBERGER, F. Design for strength and production, 24:44183
- KOENNEKER, Edith Content of hexokinase and some components of the citric acid cycle in the mouse liver after whole-body irradiation, 23:20360
- KOEPCKE, W. Status of reactor pressure-vessels, 21:12171
- KOEPF, H. Precipitation behavior of martensite phase of zirconium alloy with 1 wt. percent V, 24:44730
- KOEPF, U. Nuclear magnetic moment of ^{37}K, 22:32519
  - Optical pumping of short lived β-radioactive isotopes, 23:49376
  - Optical pumping of short-lived beta emitters, 21:38282
  - Optical pumping of short-lived β emitters, 22:46752
  - Spin-exchange polarization and hfs anomaly measurement of ^{37}K, 25:38929
- KOEPKE, B. G. Tensile behavior of polycrystalline yttrium from 77 to 773 K, 23:14323
- KOEPKE, K. Improvement in the rf capture by using nonsinusoidal accelerating voltages, 23:28057
- KOEPKE, R. Upper critical magnetic field of lead as function of mean free path of the electrons, 25:17105
- KOEPP, C. DAS-2: dynamic simulator with dead-time elements for digital computers, 25:39341 (EURFNR-815)
  - Influence of correct dead time simulation on the dynamic behavior of model for controlled Na 2 reactors, 25:10186 (KFK-1179)
  - Influence of real dead-time simulation on dynamic behavior of computer model of automatically controlled Na-2 reactor, 25:28804 (EURFNR-835)
- KOEPP, G. Meson—nucleon coupling constants from empirical nucleon—nucleon scattering, 21:2480
  - Meson—nucleon coupling constants from low-energy proton—proton scattering, 21:37857
  - Possibility of CPT violation in neutral kaon decay, 25:43656 (PITHA-44)
- KOEPP, R. Preferential recombination in gases at high pressure, 23:41948 (BMwF-FBK-69-18)
  - Preferential recombination of ions in gases and fluids, 21:19648 (BMwF-FBK-66-45)
  - Preferential recombination of ions in gases at high pressures, 25:21006
- KOEPP-BAKER, N. B. Structure shielding from simulated fallout gamma radiation, 21:6485 (AD-641134)
  - Use of scale models in structure shielding experiments, 21:36314 (TO-B-67-25)
- KOEPP-BAKER, Nicholas B. Infinite-field gamma dose rates in structures from finite-field experiments, 21:7309
- KOEPPE, A. Behavior of boron-alloyed sintered molybdenum in electron beam welding, 25:35312
  - Experiments for simulating heat transfer from reactor surface to thermionic converters, 21:22088 (BMwF-FBK-67-08)
  - Experiments for simulating heat transfer from a reactor surface to cesium vapor converters, 22:47282 (BMwF-FBK-68-18)
- KOEPPE, D. E. Effect of uv on tobacco and sunflower, 24:6143
  - Effect of x-radiation on concentration of scopolin and caffeoylquinic acids in tobacco, 24:48740
- KOEPPE, P. A low-background sample changer, 22:222
  - Activation analysis as a method of investigation in dentistry, 22:25254
  - Incorporation of data processing equipment for analysis of whole-body activity measurements, 24:27339 (CONF-690540-, pp 423-31)
  - Investigations of ^{85}Sr metabolism with a whole-body counter, 22:38232
  - Real time whole body counter—computer system, 24:39210 (BMBW-FBK-70-6)
- KOEPPE, Peter Economical radiation protection in telegamma therapy, 21:19818
- KOEPPEL, V. Isotopic U—Pb ages of zircons from the Ceneri zone, Southern Alps, 23:31296
- KOEPPENDOERFER, W. Argon capillary discharge as a light source for a Mach—Zehnder interferometer, 21:28127 (IPP-1/59)
  - Breakdown and preionization studies for a megajoule theta pinch at lower densities, 22:1256 (LA-3770, Paper H2)
  - Ionization of hydrogen gas by ohmicly heated electrons, 22:44185 (IPP-1/79)
  - Lack of partial thermal equilibrium in pinch discharges, 25:52807
- KOEPPENDOERFER, W. W. Measured collisional excitation rate coefficients for O VII, 21:37485
- KOEPPL, G. W. Comparison of 3D classical trajectory and transition-state theory reaction cross sections, 25:3951 (HUX-3780-29)
  - Solvent isotope effects upon proton transfer from the hydronium ion, 25:18395
  - Vibrational analyses of liquid water and the hydronium ion in aqueous solution, 25:18399
- KOEPPL, Gerald Walter Model system isotope effect studies involving hydronium ion, 24:18950
- KOERBER, A. Civil construction problems at KWL, 22:30212
- KOERBLER, J. Treatment of uterine cancer with contact and teleradiotherapy using radioactive isotopes, 21:6575
- KOERBLER, Juraj Anemias following irradiation of the vertebral column, 23:38867
- KOERDING, A. Isomer shift and after effect, 22:46835
- KOERMER, Gerald S. Stereochemistry of allylic rearrangements. XVI. Stereochemistry of ion-pair return in the trans-α,γ-methylphenylallyl p-nitrobenzoate system, 25:26224
- KOERNER, H. Excited-state g factors in ^{19}F and ^{22}Na, 21:25491
- KOERNER, H. J. Angular correlation and lifetime measurements on ^{59}Co, 25:23011
  - Change of nuclear charge radii by collective excitations, 22:27192
  - Conduction-electron density at the nucleus in Sm and Dy metal, 23:5476
  - Decontamination of human skin following radiation, 23:50473
  - Effective nuclear moments in ^{207}Pb, 21:4311
  - Gamma decay of the (p/sub 1/2/$^{-1}$ + 3^{-}) doublet in ^{207}Pb, 24:43374
  - Gamma-decay of proton-particle neutron-hole states in ^{208}Bi, 25:20434
  - Gyromagnetic ratios of the first excited states in ^{100}Ru, ^{101}Ru, ^{102}Ru and ^{104}Pd, 21:2756
  - Isomer shift and quadrupole splitting in ^{191}Ir and ^{193}Ir, 21:44720
  - Isomer shift in ^{152}Sm, 21:27613
  - Isomer shifts of 87- and 89-keV γ rays of ^{155}Gd and ^{156}Gd, 22:46775
  - Moessbauer effect and magnetic moment of the 75.9 keV level in ^{171}Yb, 21:12032
  - Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:3716
  - Moessbauer effect and nuclear moments of 75-keV state of ^{161}Dy and 81-keV state of ^{162}Dy, 22:46784
  - Moessbauer investigations on the 2^{+}-rotation levels of ^{176}Hf and ^{180}Hf, 21:1098
  - Nuclear g-factor of the 2$^{+\prime}$ gamma vibrational state in ^{160}Dy, 23:21351
  - Nuclear g-factor of the 322 keV intruder state in ^{125}Te, 23:44927
  - Nuclear g-factors of first excited states in ^{191}Ir and ^{193}Ir, 22:3715
  - Perturbed angular distribution in ^{19}F in ferromagnetic lattices, 21:31716
  - Possible radiation hazards from radar stations, 22:33831
  - Resonance destruction of angular correlations: ^{100}Rh in Fe and Ni, 21:44154 (UCRL-17509)
  - Resonance destruction of angular correlations: ^{100}Rh in Fe and Ni, 22:46234
  - Test of T invariance using Moessbauer effect, 22:46797
- KOERNER, H.-J. Potential radiation hazard in radar installations, 22:23512 (LA-tr-68-12)
- KOERNER, I. J. Radiation effects in isolated DNA and their functional consequences. II, 25:29463
- KOERNER, Juergen G. Baryon mass spectra in dynamical S-wave SU(6) model, 21:9828
  - Electromagnetic mass differences in SU(6) baryon bootstrap model, 22:37107
  - Octet behavior of single-particle matrix elements (B' absolute value Hw B) and (M' absolute value Hw M), 25:9761
- KOERNER, Juergen Hans Garlef Baryon mass spectra in a dynamical S-wave SU(6) model, 22:3503
- KOERNER, O. Prevention of intestinal absorption of radiocesium and radiostrontium with the help of indigenous ionic resins, 25:42263
- KOERNER, R. J. Simplified overpressure analysis of the walls of a cylindrical prestressed concrete pressure vessel, 25:15861
- KOERNER, Theresa Application of a radioimmunoassay for angiotensin I, 24:4585
- KOERNER, W. Radiation sensitivity of detergent lamella, 21:38990
  - Solidification of aqueous radioactive waste, 24:11663
- KOERNICKE, H. Microwave diagnostics of strong-current discharges with skin effect. II, 25:9424
- KOERNIG-KRON, Karin Lymphatic scintigraphy in tumor therapy, 23:43822
- KOERNYEI, I. Quadratic Stark effect constants, 22:26204
  - Variation of the ration F distant/close collisions in a spark plasma, 23:32351
- KOEROES, E. Collection of traces of metals on carboxy cellulose cation-exchanger, 23:19844
  - Correlation between structure and mechanism in iodine exchange, 23:31340
  - Iodine exchange between 1-phenyl-2,3-dimethyl-4-iodoacetylpyrazolone and iodide ion, 23:31341
- KOEROES, Endre Oscillations in chemical systems. I, 25:46398 (RLO-2230-T-2-1)
  - Solvent effects on isotopic exchange reactions. X, 22:30550
- KOEROESI, E. Role of the influence of solvents in the mechanism of iodine exchange, 22:27737
- KOERTING, K. Thermal diffusion factor of ortho- and para-deuterium in region 23°K to 165°K, 25:20988
- KOERTS, L. A. Ch. Analog system displaying beam optics, 21:19124
  - Analysis of multidimensional nuclear data (BOL). I, 25:20203
  - BOL nuclear research project, 25:20198
  - Electronics of the BOL-system, 25:20199
  - Inelastic scattering of 26 MeV deuterons, 22:7681
- KOERTUM, G. Photoelectric null method of recording relative fluorescence energy spectra, 22:6681 (NRC-TT-1294)
- KOESSLER, Franz Biophysical studies with luminous bacteria. V, 25:27120
  - Biophysical studies with luminous bacteria. IV, 25:27122
- KOESSLER, Ivo Cyclo- and cyclized diene polymers. XIII, 21:19659
- KOESTEL, A. E. Mercury boiler development on SNAP 2/MRPC program, 22:35573 (TRW-690-32)
- KOESTEL, Alfred Radiator design limitations for dynamic converters, 22:19819
- KOESTER, Charles J. Ocular effects produced by experimental lasers. I, 22:49587
  - Photocoagulation of retina, 22:10880
- KOESTER, H. Relative excitation functions for electron impact with magnesium, 25:38061
- KOESTER, H. M. X-ray fluorescence analysis for Rb, Sr, Ba, and Pb in koalins and clays, 22:22968
- KOESTER, John Kent Studies of thermionically emitting electrodes in contact with plasmas, 25:14088
- KOESTER, L. Coherent scattering amplitude of ^{184}W measured by small angle scattering, 25:10026 (JINR-E3-5371)
  - Coherent scattering amplitudes measured by small-angle scattering of neutrons, 23:10924
  - Experiments at the Munich research reactor FRM, 25:28775
  - Measurement of coherent scattering lengths with Christiansen filters for neutron beams, 25:38849
  - Neutron—deuteron scattering lengths, 25:50158
  - Neutron—proton and neutron—carbon scattering amplitudes, 25:59696
  - Resonance absorbers and continuous counting of epithermal neutrons, 25:39716
- KOESTER, L. J. Beam survey of intermediate energy meson beam in proton area at ZGS, 21:40300 (COO-1195-96)
  - Wire proportional counter arrays, 23:40993 (EUR-4289, pp 247-50)
- KOESTER, L. J. Jr. Efficiency and time resolution of multiwire proportional counters, 24:33938
  - Measurement of the relative partial decay rates for $K^{+-} \to \pi^{+-} + \pi^{+} + \pi^{-}$, 21:33594
  - Measurements of efficiency and time resolution of multiwire proportional counters, 24:9634 (COO-1195-176)
  - Operating characteristics and applications of multiwire proportional counters, 24:39366
- KOESTER, R. Boron compounds. XIII, 22:10211
- KOESTER, R. D. Corrosion studies of columbium alloys, 23:48338
  - Hot hardness of selected borides, oxides, and carbides to 1900°C, 21:32989
- KOESTER, Robert D. Hot-hardness measurements of ThO_2—UO_2 fuel pellets (LWBR—LSBR development program), 22:8818 (BMI-X-447)
- KOESTER-PFLUGMACHER, A. Determination of oxygen in uranium carbide according to a new bathless carrier method, 21:1279
- KOETEL, Gy. Calculation concerning the calibration of a whole body counter, 24:27345 (KFKI-70-4)
  - Calculations concerning the calibration characteristics of a whole body counter, 24:27346 (KFKI-70-7)
- KOETELES, G. Radiation sterilization in medicine: present applications and future prospects, 21:28710
- KOETELES, G. J. Dosimetry in embryonated chicken egg during irradiation, 23:48224
  - Effect of ^{32}P incorporated into chick embryo, 24:32213
  - Sensitivity of chick embryo to ^{32}P, 23:38452
- KOETHE, A. Diffusion of intersititial impurities in metals, 25:49438
  - Influence of interstitial nitrogen on the recovery of cold-worked tantalum, 22:34062
  - Isochronal annealing of Mo, 24:8540
  - Properties of solid solutions of interstitial impurity atoms in V, Nb, and Ta, 23:41630
  - Recovery of deformed niobium and tantalum degassed in ultrahigh vacuum, 21:28768
  - Resistivity study of strain-ageing in Ta—O and Nb—O, 22:23838
- KOETKE, D. Electromagnetic radius of the pion, 22:34829
  - Impulse model theory of π—^{4}He scattering, 22:29716
  - Measurement to nuclear radius of ^{4}He, 22:20439
  - Northwestern University 50 cm liquid helium bubble chamber, 22:47380
  - Northwestern University 50-cm liquid He bubble chamber, 21:16119 (CONF-660918-, pp 134-9)
  - Total capture rate of negative muons in ^{4}He, 22:35214
- KOETKE, Donald D. Elastic π—^{4}He interactions at 129, 140, and 150 MeV/c, 23:23371
- KOETSIER, A. H. Calibration of an epithermal local pile oscillator, 22:37615
- KOETTER, J. Ionizing radiations, 24:737
- KOETZ, U. Efficiency and time resolution of multiwire proportional counters, 24:33938
  - Forward peak in π^{+} photoproduction, 22:13632 (DESY-67/35)
  - Forward peak in π^{+}-photoproduction, 22:7426
  - Measurements of efficiency and time resolution of multiwire proportional counters, 24:9634 (COO-1195-176)
  - Measurements of single π^{-} and π^{+} photoproduction at small momentum transfers, 22:34827 (DESY-68/22)
  - Measurements of single π^{-} and π^{+} photoproduction at small momentum transfers, 22:39237
  - Photoproduction of positive π mesons between 1.2 and 3 GeV in the center-of-mass angles region from 2.5° to 15°, 21:27289 (NP-16737)

- Photoproduction of π^0 in the backward direction, 22:11571
- Photoproduction of π^0 in the backward direction, 22:13633 (DESY-67/36)
- Photoproduction of single positive pions between 1.2 and 3 Gev, 21:863 (DESY-66/22)
- Photoproduction of single positive pions between 1.2 and 3 Gev, 21:2347
- Pi$^+$ photoproduction between 1.2 and 3 GeV at very small angles, 21:18881
- Pi$^+$ production with linearly polarized photons, 23:25495
- Pion production with polarized photons and test of vector dominance model, 22:52964 (DESY-68/44)
- Pion production with polarized photons and test of vector dominance model, 23:5514
- π^+ photoproduction between 1.2 and 3 GeV at very small angles, 21:18878 (DESY-67/3)
- π^+ production with linearly polarized photons, 23:25492 (DESY-69/5)
- Wire proportional counter arrays, 23:40993 (EUR-4289, pp 247-50)
- KOETZING, F. Dose burdens of doctors and personnel in medical isotope institutes, 24:27584 (CONF-690540-, pp 439-40)
- KOETZOLD, Bernd Rudolf Production of strong quasi-stationary magnetic fields, 23:27654
- KOEVER, A. Effect of thin foils on the spectrum of monoenergetic electrons, 25:18770
- KOEVESI-DOMOKOS, S. Algebra of observables and tribes of Regge poles, 23:21178
  - Lorentz poles and Veneziano representation, 23:39838 (NYO-4076-3)
  - Mass formula in broken SL(2,C) and its application to nucleon and delta Regge trajectories, 22:29737 (KFKI-5/1968)
  - Schwinger's angular momentum calculus and Dirac bracket, 22:39299 (IPNO/TH-123)
  - Schwinger's angular-momentum calculus and the Dirac bracket, 23:3624
- KOEVESSY, Z. Anomalous forward scattering of neutrons with energy 14 MeV on uranium, 23:5909
- KOEVESY, Zs. Small angle elastic scattering of 14-MeV neutrons by ^{238}U, 23:21343
- KOFINK, H. Coulomb scattering of 1 MeV electrons in Al foils, 24:43202
- KOFINK, W. Description of anisotropic scattering in double P/sub l/ method by means of anisotropy functions, 22:41934
- KOFLER, E. Glycogen synthesis from labeled precursors in livers of irradiated mice, 24:34095
  - Influence of fast neutrons and x-rays on glycogen content in mouse liver, 25:499
  - Influence of x-irradiation on enzyme induction, 24:12298
- KOFLER, R. Decay parameters (Σ^-), 21:46474
  - Pionic and leptonic decay asymmetries of polarized Σ^-, 24:40243
  - Search for decay K/sub S/° $\rightarrow \pi$, 23:16926 (BNL-13279)
  - Sigma$^+$ decay parameters, 21:868 (NYO-3651-1)
  - Sigma$^+$ decay parameters, 21:2359
- KOFLER, R. R. K^-p amplitudes near the $\Lambda(1520)$, 24:37658
  - Reaction $\pi^+p \rightarrow \Sigma^+K^+$ at 3.23 GeV/c, 22:5514
  - Study of $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^0 + n$ reactions using polarized Σ^- with momentum from 0 to 650 MeV/c, 24:49314 (NYO-3651-14)
- KOFLER, Richard R. Charge independence in Σ hyperon production, 23:46729
  - Reactions $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^- + p \rightarrow \Sigma^0 + n$ at P/sub Σ^-/ between 0 and 600 MeV/c, 23:49043 (NYO-3651-11)
  - Reactions $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^- + p \rightarrow \Sigma^0 + n$ at P/sub Σ^-/ between 0 and 600 MeV/c, 24:47385 (CONF-690557-(Vol.2), pp 939-50)
  - Study of $\pi^-p \rightarrow \Sigma^-K^+$ from 1.12 to 1.32 GeV/c, 23:46616
- KOFOED, B. Microwave-photon-assisted tunneling between superconductors, 24:19838
- KOFOED, J. A. Effect of radiothyroidectomy on blood volume, 24:12266
- KOFOED, W. Growing beta-brass single crystals, 21:35805 (RISO-149)
- KOFOED-HANSEN, O. Charge exchange reactions, 23:36954
  - Error indicators for the numerical solution of non-linear wave equations, 22:39967 (RISO-177)
  - Glauber series interpretation of scattering data, 23:23498
  - High energy neutron—nucleus total cross section, 25:1560
  - Investigation of nucleon—nucleon correlations by means of high-energy scattering, 25:36538
  - Large-momentum-transfer diffraction scattering and production, 23:30829
  - Meson scattering as a probe for deformed nuclei, 24:52585
  - Momentum-loss spectra in proton scattering on deuterium, 25:41032
  - Recombination instability as an example of a more general class of instabilities, 23:48925
  - Relation between Eulerian and Lagrangian averages in statistical theory of turbulence, 22:2298 (RISO-50)
  - Selected topics in nuclear physics at 1 GeV, 25:18020
  - Separation of single and double scattering in proton—deuteron collisions at 19.2 GeV/c, 24:10670
- KOFOID, M. J. Anomalous skin effect in a gaseous plasma, 23:32401
  - Effects of instabilities and scattering in electron beams in the absence of a magnetic field, 21:7024
  - Penetration of a high-frequency field in a low-pressure plasma, 22:31802 (D-1-82-0706)
  - Penetration of a high-frequency field in a low-pressure plasma, 23:32429
  - Plasma heating with combined radio-frequency and steady magnetic fields, 24:51609
- KOFOID, Melvin J. Anomalous skin depth in a gaseous plasma, 21:2210
  - Anomalous skin effect in a gaseous plasma, 22:31801 (D-1-82-0705)
  - Efficient utilization of an rf power oscillator for producing low-pressure plasmas, 21:9614
- KOFRANEK, V. Blood changes in correlation with combined external radiation and activation of ^{24}Na in rats. II, 22:21574
  - Death causes in mice exposed to ^{226}Ra, 25:24416
  - Dynamics of peripheral blood changes in relation to combined external radiation and the activation of ^{24}Na in rats. I, 21:41498
- KOFRANEK, Vladimir Specific activity of ^{24}Na in relation to mortality of rats as indicator of neutron irradiation doses, 22:45523
- KOFSKEY, M. G. Summary of NASA radial turbine research related to Brayton cycle space power systems, 21:41103
- KOFSTAD, P. Defect structure model for nonstoichiometric CeO_2, 22:11085
  - Defect structure of α—Nb_2O_5, 22:11084
  - High temperature oxidation of Hf—Nb alloys, 24:4723
  - Oxidation of tantalum coated with aluminum and aluminum—chromium alloys, 21:13117
- KOFSTAD, Per Effect of impurities on the defects in oxides and their relationship to oxidation of metal, 23:8114
  - High-temperature oxidation of metals, 21:24721
- KOGA, Akito Tritium content of Beppu hot spring water, 25:34732
- KOGA, Hideo Lambda phage mutants insensitive to temperature-sensitive repressor. I, 23:31705
  - Lambda phage mutants insensitive to temperature-sensitive repressor. II, 24:46600
- KOGA, Hisayasu Combined effects of radiation and antitumor agents on KB cells. I, 24:34571
- KOGA, Kohachiro Effect of hormones on radiosensitivity, 22:6852
- KOGA, Mitsuru Quantitative analysis of radiation effect, 23:2939
  - Quantitative analysis of radiation effect, 23:18105
- KOGA, Ryuji Optimal control of steady state neutron flux distribution in slab reactors, 25:39336
- KOGA, Sukehiko Reduction of patient dose in x-ray fluoroscopy and radiography. III, 23:33731
- KOGA, T. Leak rate test on nuclear reactor containment vessel, 24:28979
- KOGA, Tadao Collective excitation in $^{12}C(p,p')^{12}C^*$ reaction, 23:28251
- KOGA, Taeko Behavior and distribution of radioactive substances in coastal and estuarine waters, 25:34760
  - Determination of arsenic in biological materials by activation analysis, 22:48
  - Radiation hazard control system, 25:42480
  - Radioactivities in sea near the Goto Islands, 25:29241
  - Release of radioactivities from ion exchange resins into sea water, 23:11676
- KOGA, Toyoki Difficulty and possibility of kinetic theory of quantum—mechanical systems, 24:12914 (AD-695410)
  - Difficulty and possibility of kinetic theory of quantum-mechanical systems. III and IV, 25:14490 (AD-711681)
- KOGA, Yasushi Si—WSi_2—Si epitaxial structure, 22:759
- KOGA, Yoshikazu Studies on the removal of radionuclides in milk. II, 22:42822
- KOGAI, E. S. Biological effects of ionizing ^{60}Co radiation on the preimaginal stages of mosquito Culex Pipiens Pipiens Linn, 21:13094
- KOGAMI, Shinichi Balloon-borne instrument for low-energy primary cosmic-ray measurements, 25:42159
- KOGAN, A. G. Distribution of ^{54}Mn in rats, 25:23970 (AEC-tr-7195, pp 192-6)
  - Effect of certain factors on behavior of ^{111}Ag in organism of animals, 23:22173 (AEC-tr-6944, pp 188-93)
- KOGAN, A. M. Electrophysiological study of the activity of the rabbit brain cortex under the influence of total ionising radiation, 22:45715
- KOGAN, A. V. Effective magnetic fields at lanthanum and lutetium nuclei dissolved in gadolinium, 23:44542
  - Heat capacity of gadolinium—lutetium alloys at superlow temperatures, 25:14450
  - Hyperfine interaction fields for heavy elements dissolved in iron, 21:27240
  - Investigation of angular distribution of α-particles from aligned ^{233}U nuclei at super low temperature, 22:32594
  - Superconducting characteristics of Nb—Ti-alloys, 22:26321 (ANL-Trans-598)
- KOGAN, E. Reactions $\gamma n \rightarrow p\pi^+\pi^-\pi^-$, $p\pi^+\pi^-\pi^-\pi^0$ and $n\pi^+\pi^+\pi^-\pi^-$ at 4.3 GeV, 25:14521
- KOGAN, E. Ya. Interaction of electron beam with nonuniform plasma, 25:17183
  - Low-frequency hydrodynamic instability of a current-carrying inhomogeneous plasma, 24:1445
  - Low-frequency plasma instabilities, 21:44135
  - Plasma stability in combined magnetic fields, 22:9404
  - Use of the variational method during investigation of dissipative instabilities in plasma, 24:40111
- KOGAN, I. A. Effect of ACTH on sympathico-adrenal system in dealing with radiation sources, 25:57938
  - Excretion of glucocorticoids and their metabolites in persons working with sources of ionizing radiation, 25:29708
  - Influence of insulin on the sympatho-adrenal system of persons working with radiation sources, 25:13586
  - The excretion of adrenaline and noradrenaline in persons working with different sources of ionizing radiation, 24:6054
- KOGAN, I. G. Effect of alpha-irradiation on Chlorella, 24:6025
  - Mutagenesis induced by ionizing irradiation in Chlorella and Chlamydomonas, 24:675
  - Relative biological effectiveness of multicharged ions during single irradiation of Chlorella, 25:16375 (JPRS-52121, pp 58-62)
  - Relative biological effectiveness of multicharged ions during single irradiation of Chlorella, 25:21964
  - Repair of visible mutations and lethal injuries in Chlorella, 24:27576
- KOGAN, L. A. Investigation of children with ^{210}Po contamination in their body, 24:14612
- KOGAN, L. M. Radiolysis of chlorocarbons, 21:122
- KOGAN, M. I. Radiation of uhf-electromagnetic waves by plasma traversed by electron beam, 22:29497
- KOGAN, M. N. Rarefied gas dynamics, 21:46212
- KOGAN, O. Kh. Spectral and spectrochemical methods for the determination of impurities in tungsten, 23:49700
- KOGAN, R. L. Structure and phase composition of silicide coatings on niobium, 22:52278
- KOGAN, R. M. Airplane measurement of global fission fragment contamination of a territory by determining the gamma-ray spectrum, 22:18971
  - Effect of soil moisture on the structure of the gamma field in the atmosphere near the earth, 21:25977
  - Gamma spectrometry of natural environments and formations, 25:32090 (TT-70-50092)
  - Gamma-spectrometric measurements of ^{137}Cs by an aircraft during global radioactive contamination, 23:846
  - Method for separating γ radiation dose rate of artificial and natural radioactive isotopes in ground, 25:8360
  - Principles of gamma spectrometry of natural resources, 23:38303
  - Use of gamma-ray spectra in airborne measurements of global fallout contamination of territories, 21:19769
- KOGAN, Sh. M. Fluctuations in nonequilibrium electron gas. II, 24:12863
- KOGAN, V. E. Recovery of the fetus and placenta after radiation influence, 22:51953
- KOGAN, V. I. Calculations of hydrogen level populations and possibilities for high-temperature plasma diagnostics, 23:39449
  - Contribution to the theory of radiation transfer in plasma, 21:16916
  - Cross section measurements needed for controlled fusion research, MHD generators, and other plasma studies, 22:38809
  - Determining effective probability of photon emission by atoms, 22:29217
  - Fluctuating microfield in a system of charged particles, 24:6538
  - Radiation losses in certain thermonuclear systems, 25:38357 (CONF-710607-77)
  - Stark broadening of H lines in plasma, 25:14310
  - Transmission of radiation in a plasma, 23:5429
- KOGAN, V. S. Composition and structure of nickel layers deposited on niobium, 21:31016
  - Dielectric constant measurement of hydrogen isotopes in the liquid phase, 25:51463
  - Neutron diffraction investigations of hydrogen isotopes from 4.2 to 0.91°K, 23:7030 (LA-tr-68-29)
  - Phase diagram of the niobium—tin system, 21:9514
  - Width of homogeneity region of intermetallic phases in Nb—Sn and V—Ga, 21:3775
  - X-ray structural investigations of superconducting alloys with niobium as the base, 21:5231
- KOGAN, Ya. D. Effects of nitrogenation on heat-strength and temperature threshold of brittleness of Mo alloys, 23:5079
  - Influence of nitrogenation on hardness and wear resistance of molybdenum alloys, 25:37958
  - Nitriding effects on the properties of molybdenum, 22:13013
- KOGAN, Z. Sh. Identities among observables in scattering of particles with spin, 21:33637
- KOGANEI, M. Drift instability in mercury-vapor discharges, 21:5312
  - Electron heating effects and universal instability in cesium plasma, 21:16954
  - Ion-wave instabilities in mercury-vapor plasma, 21:40027
- KOGANEI, Mikiko Enhanced diffusion and high-frequency oscillation in a plasma, 21:7222
  - High-frequency and low-frequency oscillations in a plasma in a magnetic field, 21:7223
- KOGAN-LASKINA, E. I. High-energy electrons in circumterrestrial space, 25:22408
- KOGAWA, M. Surface power loss of alternating current in hard superconducting wire, 22:17561
- KOGELNIG, M. Polarography in propanediol-1,2-carbonate. I, 22:30547
- KOGELSCHATZ, U. Dynamics of electromagnetically driven convergent cylindrical shock wave, 22:39097
  - Electromagnetically driven convergent cylindrical shock waves, 24:17916
  - Formation and acceleration of luminescent current layers in z-pinch discharges, 23:30540
  - Investigations of strong shock-waves, 12/66, 22:21231 (BMwF-FBK-67-68)
- KOGELSCHATZ, Ulrich Doppler-shift measurements of axial and rotational velocities in an MPD arc, 24:30333
- KOGER, J. W. Catastrophic corrosion of type 304 stainless steel in a system circulating fused sodium fluoroborate, 24:12357 (ORNL-TM-2741)
  - Compatibility of fluoroborate coolant salts with Hastelloy N for molten salt reactors, 22:32828
  - Compatibility of fused sodium fluoroborates and BF_3 gas with hastelloy N alloys, 24:34846 (ORNL-TM-2978)
  - Compatibility of Hastelloy N and Croloy 9M with $NaBF_4$—NaF—KBF_4 (90-4-6 mole percent) fluoroborate salt, 23:22466 (ORNL-TM-2490)
  - Compitability of molbydenum-base alloy TZM with LiF—BeF_2—ThF_4—UF_4 (68-20-11.7-0.3 mole percent) at 1100°C, 24:8057 (ORNL-TM-2724)
  - Corrosion in polythermal loop systems. II. A solid-state diffusion mechanism with and without liquid film effects, 25:39997 (ORNL-4575(Vol.2))
  - Effect of neutron irradiation on martensitic transformation in β_1 copper—zinc, 23:7033

- Influence of neutron irradiation, heat treatment and deformation on transformations in metastable β_1 -brass, 22:34066 (ORO-3395-5)
- Influence of neutron irradiation, heat treatment, and deformation on martensitic transformations in metastable β-brass, 22:52218
- Mass transfer between Hastelloy N and Haynes alloy No. 25 in a molten sodium fluoroborate mixture, 25:58169 (ORNL-TM-3488)
- New developments in materials for molten-salt reactors, 24:11159
- KOGER, John Wayne Influence of heat treatment, neutron irradiation, and deformation on martensitic transformations in metastable β_1-brass, 23:3092
- KOGEUS, K. Teleseismic relative location of closely spaced epicenters, 23:6234 (FOA-4-4370)
- KOGLIN, B. Generation of a fast argon atomic beam with a plasma source, 21:46129
- KOGUCHI, T. Drop tests of shipping containers for PWR type new fuels, 25:48862 (CONF-710801-(Vol.2), pp 861-72)
- KOGURE, Tomokazu Emission profiles of pole-on Be stars, 23:39107
- KOGUT, John B. Production of strongly interacting W's, 24:12988
  - Quantum electrodynamics at infinite momentum, 25:25363
  - Quantum electrodynamics in the infinite-momentum frame, 24:37886
- KOGUT, T. S. Lasers in biology and medicine, 25:21797
  - Possibility of applying lasers in oncology, 24:14564
- KOGUT, Yu. P. Control circuit for Wilson chambers, 22:43079
- KOH, Byung Joon Application of optimum control to 600 MWe pressurized water reactor, 25:44106
- KOH, C. S. Adrenal-gland scanning, 24:2747
- KOH, Chang Soon Liver scan using /sup 113m/ In colloid, 25:4687
  - Preparation of /sup 113m/In colloid as scanning agent and its organ distribution in rats, 25:4437
  - Uptake- and metabolic studies of the labelled compounds in malignant tumors, 25:26859
- KOH, Chor Jin On higher symmetries and mass spectrum of elementary particles, 22:15825
- KOH, R. C. Y. Hydrodynamic effects of nuclear explosions. I, 22:35958 (AD-661451)
  - Hydrodynamic effects of nuclear explosions. V, 22:35960 (AD-661453)
  - Ocean surface effects generated by nearby underground explosion at Amchitka test, 24:41562 (NVO-289-6)
- KOH, Robert Run-up of nonbreaking waves, 22:10417 (NVO-289-1)
- KOH, T. K. Multiple-quantum transitions in a rotating magnetic field, 24:37209
- KOH, Y. S. Induction of mutation by radiation and chemicals. II, 24:14461
- KOH, Yoon Suk Impulse approximation in perturbed harmonic oscillator problem, 24:6676
- KOH, Youn Kyu Li$^+$ ion-implanted Si solar cell, 25:33411
  - Production of N-I-P silicon radiation detectors made by Li ion implantation, 25:373
  - Yield of alpha particles from lithium films bombarded by an analyzed proton beam, 22:29931
- KOH, Young Seu Garlic breeding using radiation. I, 23:4920
  - Garlic breeding using radiation. II, 23:7983
  - X-ray induced chromosomal aberration of root-tip cells in Raphanus sativus, 23:4908
- KOHAN, R. L. Boron-base diffusion coatings for nickel—chromium alloys, 22:6935
- KOHARA, Hitoshi Spectrophotometric determination of molybdenum(VI) by extraction of molybdenum(VI)-Alizarin Red S complex with quaternary ammonium chloride, 22:18717
  - Spectrophotometric determination of Zr(IV), 23:9317
  - Spectrophotometric determination of Mo(VI), 24:16435
- KOHARA, Yoji Nonleptonic decays of neutral K mesons and Lee—Sugawara sum rule, 25:59396
- KOHARA, Yoshio Aromatic sulfonylation. I, 24:20785
- KOHATSU, Shoichi Combined treatment of cancer of the esophagus, 23:50779
- KOHAUPT, R. D. Particle rebunching by an additional lower frequency rf system in electron storage rings, 24:52246 (DESY-70/34)
  - Physical and technical limitations of storage ring luminosity, 24:8777 (DESY-69/44)
  - Separation of infrared contributions to radiative corrections in terms of an exponential factor under general experimental conditions, 22:29654 (DESY-68/16)
  - Separation of infrared contributions to radiative corrections, 23:13063
- KOHDERA, Kanako Effect of benzalization and benzoylation on irradiation damage of polyvinyl alcohol films, 22:8121
  - Effect of benzalization and benzoylation on irradiation damage of polyvinyl alcohol films, 22:42706 (AEC-tr-6937, pp 45-53)
  - Effect of irradiation on polyvinyl caproate, 23:17452 (JAERI-5018, pp 22-4)
  - Effect of oxygen and water on the pre-irradiation grafting to cellulose, 24:11562 (JAERI-5022, pp 59-65)
  - Radiation grafting of hydrophilic monomers to polyester fibers, 24:31375
  - Radioinduced graft copolymerization to polyester. I, 23:17450 (JAERI-5018, pp 5-14)
  - Radioinduced graft copolymerization to polyester. II, 23:17451 (JAERI-5018, pp 15-21)
- KOHEGYI, Ferenc Medical application of betatrons, 21:28551
- KOHEN, Cahide Pathways of glucose metabolism in irradiated and non-irradiated tissue culture ascites cells, 22:25744
- KOHEN, Elli Pathways of glucose metabolism in irradiated and non-irradiated tissue culture ascites cells, 22:25744
- KOHGA, Masayuki Theoretical consideration of the power variation in a water reactor at the loss-of-coolant accident, 22:25027
- KOHIN, Roger P. Domain switching in irradiated ferroelectric KH$_2$PO$_4$, 22:12347
- KOHIYAMA, Masamichi DNA synthesis in temperature sensitive mutants of E. coli, 23:48278
  - Initiation of DNA replication at 41°C by γ rays in thermosensitive mutant of E. coli incapable of reinitiating replication cycle at that temperature, 22:23455
- KOHL, A. L. Cleaning techniques for sodium system components, 22:33143
- KOHL, D. A. Chemical binding effects in N$_2$, 24:6367
  - Effect of bond formation on electron scattering cross sections for molecules, 21:41792
  - Small-angle electron scattering cross section for methane, 24:37226
- KOHL, Denis Alan Effect of bond formation on electron scattering cross sections for molecules, 22:26263
- KOHL, Fred J. Dissociation energy of VC$_2$, CrC$_2$, and VC$_4$, 24:36981
  - Mass-spectrometric determination of the dissociation energy of ScC$_2$ and ScC$_4$, 25:13761
  - Vaporization of La and Sc carbides and dissociation energy of LaC$_2$, LaC$_3$, LaC$_4$, ScC$_2$, and ScC$_4$, 25:40104 (N-71-15889)
  - Vaporization of YC$_2$—C system and dissociation energy of YC$_2$ AND YC$_4$, 24:36247
  - Vaporization thermodynamics of the lanthanum—carbon system: mass-spectrometric determination of the dissociation energy of LaC$_2$, LaC$_3$, and LaC$_4$, 25:45124
- KOHL, G. Optical and electrical properties of ionospheric layers, 22:48031
  - Relations between the optical and electrical properties of ionospheric layers, 21:7097
- KOHL, H. Atmospheric winds between 100 and 700 km and their effects on the ionosphere, 22:5254
  - Effect of atmospheric winds on height of F2-layer peak at middle and high latitudes, 22:22015
  - Effects of neutral air winds on ionospheric F layer, 22:52667
  - Effects of neutral-air winds on ionospheric F layer, 25:52725
  - Explanation of magnetic declination effect in F2 layer, 23:39372
  - Phenomena in high-latitude ionosphere at certain UT, 22:19874
  - Semiannual variation in height of F2-layer peak, 25:58879
- KOHL, Harry Acoustic gravity waves caused by the nuclear explosion on October 30th, 1961, 21:695
- KOHL, Herbert H. Effect of radiation on functional and metabolic parameters of isolated rat stomach, 21:24602
- KOHL, Irmhild Transfer of the resistance effect appearing after irradiation. II, 21:22657
- KOHL, J. W. February 5, 1965 solar proton event. I, 21:43689 (N-67-21457)
  - February 5, 1965, solar proton event. I, 21:43842
  - Solar proton monitoring, 23:36549
- KOHL, K. Evolution in close binary star systems. IV, 22:36612
- KOHL, Klaus Current movements in the stable layer below the solar hydrogen convection zone, 21:6912
  - Evolution of double star system. II, 21:20719
- KOHL, R. H. Theory for the measurement of the Earth's velocity through the 3°K cosmic radiation, 23:3817
- KOHL, Schuyler G. X-ray pelvimetry: a contemporary view, 21:1749
- KOHL, Walter H. Compatibility of materials, 23:12304
  - Handbook of materials and techniques for vacuum devices, 22:16828
- KOHLBERG, I. Physical phenomena in bombardment ion sources, 21:9351
  - Prog. rpt. on improved land-surface fallout model, I, final, 3/31/65—1/31/67, 21:22034 (AD-643534)
- KOHLENSTEIN, L. C. Scanning-system parameters, 24:16868
- KOHLER, C. R. Creep in potassium as a function of temperature and pressure, 21:16604
- KOHLER, D. Angular correlation ^{18}O(t,p$_1\gamma$)^{20}O, 24:38115
  - Cross sections for ^{7}Be(p,γ)^{8}B, 25:12400
  - Elimination of pulse pikeup distortion in nuclear radiation spectra, 22:16942
  - Excited states in ^{11}B observed in reaction ^{7}Li(α,γ), 22:9783
  - Low-lying levels in ^{23}Na, 24:30732
  - Magnetic dipole transitions and isospin in ^{8}Be, 22:50535
  - Some recent studies of nuclear structure using triton-induced reactions, 22:26992
- KOHLER, D. A. Study of the γ-emitting levels in ^{16}O, 22:20476
- KOHLER, H. S. Binding energy of ^{16}O with a velocity-dependent nucleon potential, 22:20487
  - Calculation of ^{16}O binding energy. II, 22:5768
  - Self-consistnet field calculation for the nuclear surface, 22:20757
- KOHLER, Hans W. Optical delay system for providing eye protection against intense light, 21:3363
- KOHLER, J. Radiation induced ionic polymerization, 25:57450 (ORO-3667-1)
- KOHLER, P. Gamma radiolysis of acetonitrile, 22:16573
- KOHLER, Robert H. Wave-mechanical description of the electron in a homogeneous time-varying electric field, 21:2341
- KOHLER, W. Mean effective cross section of the reaction ^{34}S(n,γ)^{35}S for thermal neutrons, 22:18167
  - Separation of ^{32}P, ^{33}P, and ^{35}S by β absorption method, 22:5790 (CEA-tr-A-1898)
- KOHLER, W. H. Derivations of coupled point reactor kinetics equations, 21:40607
  - Range-of-validity study of the Hansen—Fuchs model, 21:38568
  - Ratio of photon to neutron fission rates in fast reactors, 23:6002
- KOHLHAAS, E. Cobalt in carbides of refractory metals, 24:27881
- KOHLHAAS, Erich Metallography of superalloys, 25:22095
  - Specimen preparation for electron-micrographs of hard metals, 23:6747
  - Wear behavior of cemented carbide alloys under different conditions of machining, 25:22156
- KOHLHAAS, R. High-temperature calorimetry of metals, 24:34876 (BMBW-FBK-70-1, pp 590-9)
- KOHLHAAS, W. Coaxial high-power trigatron for 60 kV, 25:30579 (EUR-4593, pp 373-8)
  - Engineering of helical hard core thetapinch experiment, 22:46108 (JUL-538-PP)
- KOHLI, J. M. Aspects of transverse momentum in 17.2 GeV pion—nucleon interactions, 22:24555
  - Binding energy and π^+ decay of light hyperfragments, 23:21049
  - Cascade model analysis of interactions of 17.2 GeV mesons with heavy emulsion nuclei, 21:33617
  - Central and peripheral interactions in pion—nucleon inelastic events at 17.2 GeV, 22:24549
  - Characteristics of 17.2-GeV π^- interactions with emulsion nuclei, 25:36418
  - Coherent production of pions on emulsion nuclei by 17.2 GeV pions, 21:3992
  - Interactions of 17.2 GeV π^- mesons with emulsion nuclei, 24:10682
  - Interactions of 17.2 GeV π^- with light and heavy emulsion nuclei, 21:3991
  - Interactions of 17.2 GeV π^- with light and heavy emulsion nuclei, 21:15504
  - Isobar model analysis of 8 and 17 GeV pion nucleon interaction in emulsion nuclei, 21:3993
  - Pions 17.2 GeV pion—nucleus interactions in emulsion nuclei, 23:18809
- KOHLMANN, L. New alpha-decay barrier penetrabilities with IGO potential: odd-mass nuclei, 21:5590
- KOHLMEYER, B. Mass-identification by time-of-flight methods, 25:2469
- KOHLSTEDT, D. L. Brittle-region slip systems in the transition-metal carbides, 25:52444
- KOHLSTEDT, David Lee Electromigration and chemical diffusion in titanium carbide, 24:13657 (COO-1198-685)
- KOHMAN, T. P. Pseudo-diffusion in ocean sediments, 22:6504
- KOHMAN, Truman P. Chronology of galactic heavy-element nucleosynthesis, 25:45255 (NYO-844-84, pp 44-7)
  - Cosmogenic radioactivities in the Peace River and Harleton chondrites, 22:2742
  - Lead and Th isotopes in Mare Tranquillitatis surface material, 24:21526
  - Nuclide production by cosmic rays in meteorites and on the moon, 22:789 (NYO-844-72)
  - Nuclide production by cosmic rays in meteorites and on the moon, 22:19809
  - Prog. rpt. on ^{129}I as a geochemical and ecological tracer, 12/65—10/66, 21:10443 (NYO-3624-1)
  - Prog. rpt. on nuclear chemistry and geochemistry, annual, 1967—68, 22:47077 (NYO-844-75)
  - Prog. rpt. on nuclear chemistry and geochemistry, annual, 1968—69, 23:40857 (NYO-844-76)
  - Prog. rpt. on nuclear chemistry and geochemistry research, 1969—70, 24:50347 (NYO-844-81)
  - Prog. rpt. on nuclear chemistry and geochemistry research, 1970—71, 25:44312 (NYO-844-84)
- KOHMURA, T. K$^-$ capture by ^{4}He and KN s-interaction, 21:35413
- KOHMURA, Toshitake Forward scattering amplitude with nuclear correlations and overlapping potentials, 24:40709
  - Nuclear effects in multiple scattering theory, 24:52689
  - Nuclear-binding correction to the scattering amplitude at intermediate energy, 24:15688
  - Pion—nucleus scattering from 120 MeV to 1200 MeV, 25:59712
- KOHN, A. Dimethyl sulfoxide protection of bone marrow cells of mice against x-ray damage, 25:52113
  - Dimethyl sulfoxide protection of HeLa cells against ionizing radiation, 25:52112
  - Gamma ray inspection of hot-mill products, 24:48235
  - Study of the solidification of steel ingots by radiotracers, 24:32356
  - Use of radioactive elements in the siderurgical industry, 22:25623
- KOHN, Erwin Overall protium-tritium kinetic isotope effect in the alcoholysis of tri-n-octylaluminum, 21:30411
- KOHN, Gertrude Herpes-type virus and chromosome marker in normal leukocytes after growth with irradiated Burkitt cells, 21:41500
- KOHN, H. I. Failure of x-rays and actinomycin D to prevent response of renal and hepatic thymidylate kinase to thymidine treatment in vivo, 21:22704
  - Inhibition of chlorophyll synthesis in Chlamydomonas reinhardi mutant by radiation, 21:22280
- KOHN, H. W. Bubbles, drops, and entrainment in molten salts, 23:9158 (ORNL-TM-2373)
- KOHN, Harold W. Radiation chemistry of surfaces, 22:21136
- KOHN, R. Effect of ionizing radiation on fats. VIII, 22:42788
  - Exchange of Ca, Sr, and Ba ions on pectin, 25:23587
  - Influence of ionizing radiation on fats. VI, 21:17679
- KOHN, R. R. Possible final common pathway for natural ageing and radiation induced life shortening, 22:43411
- KOHN, Rudolf Bibliographies in nuclear science and technology, 23:24775 (AEC-C-5-9)
  - Radioinduced changes on beef fat-cephalin mixtures by gamma radiation, 22:40989
- KOHN, W. Mott and Wigner transitions, 21:44197
  - New formulation of the theory of electronic structure, 21:46132
  - Transition temperature of narrow-band superconductors, 25:49836

Two kinds of bosons and Bose condensates, 23:44348 (AD-687713)
Two kinds of bosons and Bose condensates, 24:21717
KOHNER, E. M. Serum growth hormone levels and response of diabetic retinopathy to pituitary ablation, 24:11950
KOHNER, Eva M. Retinal vascular changes following exposure to high-intensity light, 22:49573
KOHNO, H. Equivalent width on Moessbauer spectrum, 21:13903
KOHNO, I. Heavy ion acceleration in IPCR 160 cm cyclotron, 25:31135
Multicharged heavy ion source for the IPCR cyclotron, 23:13155
Reactions ^{27}Al(^{3}He,^{3}He)^{27}Al and ^{27}Al(^{3}He,α)^{26}Al, 22:27017
KOHNO, Isao Acceleration of multicharged heavy ions in 160-cm cyclotron, 24:35768
Charge exchange of carbon and nitrogen ions in nitrogen gas, 25:14001
Control system of IPCR 160 cm cyclotron, 25:31068
Elastic scattering of carbon and nitrogen ions, 25:28274
Equipment for test of heavy ion source, 21:2555
KOHNO, Kaku Effect of gamma irradiation on the very dilute solution of collagen in the atmosphere of air and nitrogen, 25:8307
KOHNO, Sei-ichi Effects of x irradiation on inbred mouse embryos, 24:17150
KOHNO, Yoshimi Radiation curing of mixtures of diallyl phthalate prepolymer and monomer. II, 24:11571 (JAERI-5022, pp 111-24)
KOHORN, E. I. Comparison between ultrasonic and radioisotope scanning, 23:50683
Placental localization by isotope and ultrasound scanning, 23:50691
Placental localization using /sup 99m/Tc-labeled human serum albumin, 23:2884
KOHORN, Ernest I. Adenocarcinoma of the endometrium, 22:45670
KOHOUT, F. C. Mass-spectrometric study of the reactions of deuterium and hydrogen atoms with nitric oxide, 21:30414
Scavenging of small radicals by nitric oxide, 22:2152
KOHOUT, G. Scattering chamber for external beam of Karlsruhe isochronous cyclotron, 23:21214
KOHOUT, J. Influence of γ radiation on electrical properties of triglycinsulphate, 21:17660
KOHOUTEK, L. Evolution stage of a planetary nebula, 24:44855
Morphological study of planetary nebulae. I, 22:17272
Morphological study of planetary nebulae. III, 22:26113
Morphological study of planetary nebulae. II, 22:26114
New planetary nebulae, 25:45207
Outburst of Nova Delphini 1967. II, 22:26115
Outbursts of Nova Delphini 1967 (= HR Del). III, 23:39147
Photometry of the peculiar emission object HBV 475, 24:51252
Planetary nebula NGC 1514. I, 21:26937
Spectral types of bright stars in stellar ring No. 373, 25:16667
Spectrophotometry of a super-dense planetary nebla M3-27, 23:16563
Study of planetary nebula NGC 1514. II, 21:36983
Study of planetary nebula NGC 1514. III, 23:8392
Survey of faint planetary nebulae, 24:17461
KOHOUTOVA, Margita Conference on mutational process, Prague, 8/65, 21:18009
KOHR, C. Byron Static theory of the giant quadrupole resonance in deformed nuclei, 21:2773
KOHR, Charles Byron Giant resonances in heavy deformed nuclei, 24:18460
KOHR, J. G. Development of new practical high-T/sub c/ superconducting conductor material, 25:49857
Internal surface superconductivity in deformed niobium, 24:21749
Surface nucleation at abraded superconductor surfaces, 23:51537
KOHRI, Masaharu Radioactive waste disposal at PWR power plant, 25:54980
KOHRMANN, H. Arrangement for pulse radiolysis at high pressure, 23:40722
Pulse radiolysis at high pressure, 23:43361
KOHRT, Carl Adsorption of CO on the (110) plane of W, 25:35357
Adsorption of O on the (110) plane of W, 24:39638
KOHSAKA, Nobutoshi Extraction of U(VI) from aqueous nitric acid solution by di 2-ethylhexyl phosphoric acid, 22:33497
KOHSAKA, Y. Flat Pomeron, the Wu—Yang hypothesis, and a model for high-energy proton—proton scattering, 25:1563
Modified interference model for πN scattering, 23:18907
Partial-wave analysis of the Regge amplitudes for πN scattering, 23:18908
KOHSAKA, Yasutsugu Pseudoscalar—vector scattering and the nonet scheme, 24:13063
KOHTIAO, A. Lesions in rabbit retinas exposed to pulsed ruby laser, 21:22676
KOHUT, M. Distribution of binding energy in a nucleus and fission, 22:39590
KOHYAMA, A. Electron bombardment of niobium containing interstitial impurities, 25:35517
KOI, Yoshitaka NMR study of ferromagnetic β_1—MnZn, 23:42512
KOIAVA, V. K. Analysis of a number of cosmic-ray effects during the magnetic storm of the period of maximum of solar activity, 21:29049
Diurnal and semidiurnal variations of cosmic-ray hard component and magnetic activity, 21:29061
Study of a number of cosmic-ray effects during magnetic storms in August of 1958, 21:29051
KOICHI, Kamata Bolivian air shower joint experiment, 23:27388 (AD-681194)
KOICHIRO Radioinduced electrical conductivity of n-hexane, 23:17460 (JAERI-5018, pp 65-7)
KOICKI, A. Magnetic HFI of 4+ state in ^{166}Er situated in HoIG, 22:46252
Temperature inversion of internal magnetic field on ^{169}Tm in GdIG, 22:46261
KOICKI, S. Magnetic HFI of 4+ state in ^{166}Er situated in HoIG, 22:46252
Spark-chamber search for double beta decay in ^{48}Ca, 21:19228
Temperature inversion of internal magnetic field on ^{169}Tm in GdIG, 22:46261
KOIDAK, V. S. Interaction of ion beams with a plasma, 21:16940
KOIDAN, V. S. Dynamic characteristics of a straight turbulent discharge, 23:16835
Dynamics of plasma heating in a turbulent linear discharge, 23:32345
Scattering of an ion beam on turbulent plasma oscillations, 25:1180
Studies of plasma turbulence by means of charged particle beam, 25:43339 (IYAF-7-70)
KOIDE, Kazuyuki Radiation breeding of the domestic fowls. V, 24:46665
KOIDE, Minoru Uranium, Th, K, and Ar in marine phillipsites, 25:4164
KOIDE, Yasuji Effect of one-mass-dose betatron electron irradiation on cervical cancer, 23:43834
KOIDE, Yoshio Effective Hamiltonian of nonleptonic hyperon decays, 23:8793
Effective Hamiltonian of weak interaction and quartet model, 24:3610
Neutral weak bosons and Hiroshima model, 25:40951
Nonleptonic hyperon decays and U(4) model, 22:46483
Some considerations on the weak interaction, 23:25584
Two-body bound problem of Dirac particles, 21:40209
Two-body bound state problem of Dirac particles, 22:32138
Weak interaction and structure of Sakaton, 22:41780
KOIFMAN, M. I. Azimuthal telescope for cosmic-ray registration, 23:41001
KOIFMAN, O. I. Properties of uranyl phthalocyanine, 21:87
KOIKE, Fumihiro Vibrational and rotational excitations of HD^{+}, 25:1008
KOIKE, Kazuo Regge pole model of strange vector and tensor meson exchange processes, 23:39724
KOIKE, Kisaburo Effect of carbon on high temperature properties of Type 304 and 316 austenitic steels, 24:19450
Study of forgeable chromium-base alloy, 24:23444
KOIKE, M. Acute radiation injury of bone marrow and the early phase of its regeneration, 22:43399
Collective states of ^{114}Cd excited by inelastic scattering of 55-MeV protons, 22:27131
Collective states of ^{120}Sn excited in inelastic scattering of 14.698-MeV protons, 24:38207 (INSJ-116)
Direct determination of crosslinking and chain scission in polymers, 23:6156
Elastic and inelastic scattering of 55-MeV protons from ^{110}Cd and ^{114}Cd, 22:27201
Electrical detection system for broad-range magnetic spectrometers, 21:32406
Excitation of some sd-shell nuclei by inelastic scattering of 55-MeV protons, 22:27016
Particle-gamma coincidence measurements, 24:52582
Search of states excited by spin-flip interactions with 55-MeV protons in sd-shell nuclei, 22:27014
KOIKE, Masahiro Collective states of ^{110}Cd, ^{114}Cd, and ^{116}Cd excited in inelastic scattering of 55-MeV protons, 23:15469
Elastic and inelastic scattering of 55 MeV protons from ^{60}Ni, 21:7752
Elastic and inelastic scattering of 14-MeV protons from ^{111}Cd, ^{112}Cd, and ^{113}Cd, 21:27604
Inelastic proton scattering from ^{90}Zr and ^{92}Zr, 21:38331
Numerical differential cross sections of elastic and inelastic scattering of 14 MeV protons from ^{111}Cd, ^{112}Cd, and ^{113}Cd nuclei, 21:21517 (INSJ-103)
Reaction ^{15}N(p,α)^{12}C in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
Single-phonon 4^{+} state in spherical nuclei, 22:48519 (JAERI-1158, pp 56-63)
KOIKE, Mitsuru Gamma-radiolysis of aqueous boric acid solution, 23:24233
Gamma-radiolysis of aqueous boric acid solution, 23:40764
KOIKE, S. Tundish nozzles for the continuous casting of steel, 22:23892
KOIKE, Shigeo Application of CASRAD to pulmonary function studies, 25:51862
KOIKE, Y. ac losses of Nb-Ti wires as function of wire diameter, 25:45413
Loaded liquid scintillators, 24:39233
KOIKE, Yasuaki Actinium(III) in various solutions. I, 21:36102
KOIKE, Yoshiyasu Local atomic arrangement in In—Pb alloys, 25:3207
KOIKE, Yuji Intermediate solvents in decalin liquid scintillators, 23:40655
Loaded liquid scintillators using 1,6-dimethyl- and 1-methylnaphthalene as solvents, 23:50149
KOIKOV, S. N. Changes in infrared spectra during ionization aging of polymer films, 24:18982 (AD-698524)
KOINE, R. Strontium-90 in human teeth. III, 25:32331
KOIRO, M. A. Bone marrow grafting in radium therapy, 23:29683
KOIRTYOHANN, S. R. Atomic absorption spectrophotometric determination of molybdenum in fertilizers, 25:57306
Emission flame photometry: a new look at an old method, 24:5584
KOIWA, Masahiro Ageing characteristics of Cu—Be—Al alloys, 21:36856
Low temperature irradiation studies on iron—boron alloys, 25:35588
Neutron irradiation hardening of boron-doped copper, 25:29908
Radiation damage studies using the low temperature irradiation facility. I, 25:21242
Radiation damage studies using the low tmperature irradiation facility. III, 25:22128
KOIWAI, Soichiro Studies on radioresistance with HeLa cells. Establishment of a radioresistant line, 24:44618
KOIZLIK, K. Estimation of amorphous part in pyrolytic C with help of an optical method. I, 24:3022 (JUL-589-RW)
Optical method for estimation of amorphous component in pyrolytic C. I, 24:36972 (SC-T-70-4023)
KOIZUMI, Akira Chromosome aberrations following internal and external exposure, 22:28436
Relationship between ^{90}Sr concentration in bone and skeletal locality, 24:2550
Studies of Sc in various solutions. III, 21:5868
KOIZUMI, I. Report on the industrial uses of radiations, 22:49232
KOIZUMI, M. Fabrication of transparent BeO by high-pressure hot-pressing, 25:32790
Thermal diffusivity and thermal conductivity of uranium—plutonium dioxide, 24:14916
Thermal diffusivity measurements of hypostoichiometric UO$_2$ and U—Pu oxide, 24:39706
KOIZUMI, Makoto Determination of O in zone-refined Fe by 14-MeV neutron activation, 24:38779
KOIZUMI, Masumichi Measurement of hypostoichiometric UO$_2$, 23:44011
Phase studies and fuel performance in the system Pu—U—O, 24:10185
KOIZUMI, Naokazu Dielectric properties of gamma-irradiated tetrafluoroethylene—hexafluoropropylene copolymers, 21:22001
Dielectric relaxation in gamma-irradiated tetrafluoroethylene—hexafluoropropylene copolymers at low temperatures, 22:33463
KOIZUMI, T. Analysis of accountability system in a reprocessing plant and a plutonium fuel facility, 25:21297
KOIZUMI, Tatsuya High-temperature oxidation of Zr and some Zr alloys, 22:7068
Polymorphic transformation of zirconium dioxide associated with breakaway during oxidation of Zr and some Zr alloys, 23:6640 (NSJ-tr-138)
KOIZUMI, Yoshiharu Radiation effects of biological molecules. IV, 21:24319
KOIZUMI, Yoshinobu Design and performance of double emitter type self-powered neutron detectors, 25:26458
KOJ, A. Acute-phase reactants and lysosomal enzymes in the blood of rats with experimental inflammation or radiation injury, 25:26979
KOJIMA, Akira Radiation breeding of the domestic fowls. V, 24:46665
KOJIMA, E. S. Studies of gamma-irradiation in relation to post-harvest diseases of papaya and mango, 23:10137 (UH-235-P-5-3, pp 54-65)
KOJIMA, Eiichi Thrombocytopoietic system in radiation induced hematopoietic death, 24:12287
KOJIMA, H. Electron drag and flow stress in niobium and lead at 4.2°K, 22:48064
Observation of superfluid-helium persistent current, 24:5099
Vortex-free Landau state in rotating superfluid helium, 25:56048
KOJIMA, K. Electrophoretic behavior of x-irradiated lymphocytes, 25:55310
KOJIMA, Kazuhiko Application of digital computer into clinical evaluation of liver scan, 24:32068
Clinical application of clinical data system, CDS-4096 into field of nuclear medicine, 25:37605
KOJIMA, Kazutaka Corrosion of aluminum as a reactor material, 24:14651
KOJIMA, Ken-ichi Analysis of radiation-induced variation on body-weight of Habrobracon juglandis, 21:18030
Prog. rpt. on the mode of natural selection and balanced polymorphisms of enzymatic systems in Drosophila species, 5/67—3/68, 22:25221 (ORO-3681-13)
KOJIMA, Kuniji Nephritis due to radiotherapy, 25:47029
Pathological studies on radiation pneumonitis, 22:40936
KOJIMA, M. Thermodynamics of vaporization of cerium, 24:17278
KOJIMA, Makoto Microautoradiography for hydrophylic and lipophylic compounds, 21:24528
KOJIMA, Masaharu Tumor-specific localizing agent for radioisotope image, 24:5988
Tumor-specific localizing agent for radioisotope image. III, 24:27497
Tumor-specific localizing agent for radioisotope image. IV, 25:10921
KOJIMA, Masuo Determination of rhenium in rhenium—tungsten alloy, 22:1972
Separation of zirconium by thin—layer chromatography, 24:20870
KOJIMA, Shigeyoshi All-transistorized electronic instruments for nuclear reactors, 23:43160
Method of controlling a reactor, 22:47324
KOJIMA, Shoji Interactions between high frequency oscillations and low frequency oscillations in beam—plasma system, 22:11451
Spectral width of plasma oscillations, 24:30318
Suppression of longitudinal electron oscillation by beam modulation, 25:27702
KOJIMA, T. Radiation from a magnetic line source in a moving isotropic plasma, 24:21805
KOJIMA, Takashi Extraction of U(IV) from hydrochloric acid solution by tri-n-cctylamine in benzene, 23:19834
Extraction of U(VI) from HCl, 23:15942
KOJIMA, Takeshi Microwave spectrum of benzaldehyde, 24:33696
Microwave spectrum of methylamine, 25:31904
KOJIMA, Toshitaka Scattering of electromagnetic waves by a moving cylinder with coating plasma, 23:51739
KOJIMA, Y. Electroexcitation of the 10.8-MeV level of ^{12}C and the 7.12-MeV level of ^{16}O, 23:19182

Electroexcitation of the giant resonance in ^{12}C, 24:30706
Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
Study of nuclear states in ^{60}Ni by inelastic electron scattering, 24:10961
KOJIMA, Yuzo 300 MeV electron linear accelerator of Tohoku Univ, 22:53055
Maintenance and operation of 30-MeV linear accelerator, 24:18329
Study of atomic nucleus by electron scattering, 25:10014
Study of nuclei by electron scattering, 25:59736
KOJOLA, V. B. Radiation-induced increase in hepatic cholesterol biosynthesis, 24:14426
KOK, Bessel Extraterrestrial life detection based on oxygen isotope exchange reactions, 21:20042
KOK, Erwin Semiconductor device for detecting and/or measuring radiation, 25:409
KOK, G. Computer in radiotherapy, 22:25844
Influence of the size of the fraction dose on normal and tumour tissue in ^{60}Co treatment of carcinoma, 25:52168
KOK, Kenneth D. Effects of source encapsulation materials on the thermal-neutron flux from a ^{252}Cf source in a water moderator, 25:50601 (CONF-710402-(Vol.2), pp I.84-9)
Optimization of source-collimator geometry for a neutron radiographic facility utilizing a ^{252}Cf source, 25:48759 (CONF-710402-(Vol.3), pp IV.47-54)
KOK, L. P. Analysis of ΛΛ hypernucleus /sub ΛΛ/^{14}C, 22:41825 (IC-68/1)
Analysis of ΛΛ hypernucleus /sub ΛΛ/C^{14}, 22:41960
Binding energy of a Λ-particle in nuclear matter and Λ—nucleon interaction, 24:47473 (CONF-690557-(Vol.2), pp 826-41)
Binding energy of Λ-particle in nuclear matter, 22:24687
Extension of Jastrow's method for quantum mechanical many-body problem with strong forces. I, 23:46744
Further calculations on a simple triton model, 22:32693
Interpretation of the first discovered Λ Λ hypernuclear event, 22:5602
Lambda—p scattering and Λ—N interaction, 21:29876
Note on ΛΛ-hypernucleus ^{14}C/sub ΛΛ/, 21:37838
Nucleon—nucleon interaction and triton binding energy, 23:8933
Numerical calculations for the ground state of a simple triton model, 21:27520
Review of roles of ΛΛ-hypernuclei, 24:47469 (CONF-690557-(Vol.2), pp 619-38)
Transfer amplitudes in DWBA and vertex functions for light nuclei, 25:17974
Triton variational calculations with trial functions which are not of the product type, 22:44603
KOKA, P. A. Atomic absorption analysis of rubidium, 22:30459
KOKADO, Masayuki Thick-target yields of characteristic x rays by p, d, ^{3}He^{+}, and ^{4}He^{+} bombardments, 25:13962
KOKALAS, Joseph J. Prog. rpt. on mechanisms of fallout particle formation, 3/67, 22:51095 (NDL-SP-16)
KOKAME, J. Collective states of ^{114}Cd excited by inelastic scattering of 55-MeV protons, 22:27131
Elastic and inelastic scattering of 55-MeV protons from ^{110}Cd and ^{114}Cd, 22:27201
Excitation of some sd-shell nuclei by inelastic scattering of 55-MeV protons, 22:27016
Inelastic scattering of alpha particles from several nuclei in the sd shell, 22:20534
Magnetic analyzer system for the INS Tokyo synchrocyclotron, 21:27492
Numerical differential cross sections of reaction ^{58}Ni(p,t)^{56}Ni with 51.9 MeV protons, 25:12431 (INSJ-124)
Numerical tables of the solid angle and R(X) of a magnetic analyzer system for the INS FM cyclotron, 22:20369 (INSJ-106)
Search of states excited by spin-flip interactions with 55-MeV protons in sd-shell nuclei, 22:27014
KOKAME, Jun Collective states of ^{110}Cd, ^{114}Cd, and ^{116}Cd excited in inelastic scattering of 55-MeV protons, 23:15469
Electron beam extraction from INS AG synchrotron. II, 21:15453
Ion source for cyclotron of Kyoto Univ, 23:42818
Method of correction on a spectrum distorted by accidental coincidence in an address-matrix of a counter array, 25:54997 (INSJ-128)
PDP-9 programs for INS FM analyzer. II, 25:33888 (INS-TL-108)
PDP-9 programs for INS FM analyzer. III, 25:33889 (INS-TL-109)
PDP-9 programs for INS FM analyzer. I, 25:33887 (INS-TL-107)
Program of a computer (KDC-I) for automatic data process of pulse height spectra in experimental nuclear physics, 21:14455
Reaction (p,t) on even—even deformed nuclei, 25:28411
Reactions (p,d) and (p,t) on ^{13}C at 54.9 MeV, 22:26903
Reactions (p,p'), (p,d), and (p,t) on ^{12}C at 54.9 MeV, 22:26898
KOKAVEC, J. V—I characteristics of compound superconductors, 24:5108
KOKE, L. C. Nuclear system manufacture and construction progress, 25:10088 (CONF-690967-1)
KOKEMUELLER, H. J. Radiochemical separation, 24:36168 (JUL-603-ST, pp 203)
KOKENGE, B. R. Plutonium-238 isotopic fuel form data sheets, 23:4781 (MLM-1564)
KOKES, A. Decay of /sup 195m/Hg and ^{195}Hg to levels in ^{195}Au, 25:36750
Pulse sequence identifier, 25:18866
KOKES, Antonin Specific activity of ^{24}Na in relation to mortality of rats as indicator of neutron irradiation doses, 22:45523
KOKES, R. J. Intermediates in allene—acetylene isomerization over zinc oxide, 25:10558
Intermediates in ethylene hydrogenation over zinc oxide, 25:105
Nature of adsorbed propylene on zinc oxide. II. Reactions of π-allyl species, 25:6307
Nature of adsorbed propylene on zinc oxide. I. Formation of π-allyl species, 25:6306
KOKESH, A. Automatic control for magnetic β-spectrometer measuring conversion electron spectra, 21:6230
Beta spectrometer with intermediate image adapted for measuring βγ coincidences, 22:8370
Probability of $5/2^{-}$ [532] $\rightarrow$ $3/2^{+}$ [411] transitions in ^{159}Tb, ^{157}Tb, ^{155}Tb, and ^{155}Eu nuclei, 22:18220
KOKESH, Fritz C. Catalysis of α-H exchange. III, 21:15892
KOKH, I. System for processing meson-telescope data, 25:14067
KOKHANENKO, V. V. Evaluation of some effective cross sections for second-order collisions of metastable He atoms with Ne atoms, 21:28962
KOKHLOV, M. Z. Spatial distribution and time variations of soft-electron fluxes in magnetosphere, 25:17052
KOKHODZE, L. Sh. Method for measuring the total number of particles and the coordinate axis point of wide atmospheric shower, 21:10612
KOKHONOV, M. F. Modifications in construction and study of physical characteristics of IRT-2000 reactor, 22:16297 (JPRS-43924)
KOKHTEV, S. A. Region of the system Ta—Hf—C, 24:19510 (KFK-tr-311)
KOKIN, K. A. Connection between physical, chemical, and biological structure of surface layer of water of Black Sea, 22:8550
KOKKE, R. Accumulation of radionuclides by bacteria and yeasts, 25:2530
Detection and isolation of radionuclide-accumulating bacteria by autoradiography, 24:559
KOKKEDEE, J. J. J. Discontinuity in large angle proton-proton scattering and production of antibaryons, 21:42390
Duality and the quark model for mesons, 24:20151
High energy scattering of hadrons, 21:42337
Introduction to the quark model, 23:49082
Quark model and annihilation at high energy, 21:17108
Quark model for mesons and baryons, 22:34949
Quark model, 23:34581
KOKKONIEMI, J. Atmospheric effects of cosmic ray μ-meson intensity, 22:47849
Construction of a scintillation counter telescope for the registration of the meson component of cosmic rays, 25:10871
Cosmic ray μ-meson intensity during rapid pressure variations, 22:47846
KOKLYAROV, K. A. Application of deep-water γ-radiometer for radioactivity measurements in the ocean, 21:8811 (AEC-tr-6641, pp 145-56)
KOKN, Gertrude Effect of EBV on leukocyte cultures, 25:16283
KOKOMURAT, Takeyoshi Flow coastdown in centrifugal pump systems, 24:2056
KOKONOE, Tsuneo Effects of Ce, Y, Al, and Zr on 25Cr—20Ni stainless steel, 23:14350
KOKOREV, A. I. Interaction of the luminescent front in electrodynamic shock tubes with transverse magnetic fields, 21:11480
KOKOREV, L. S. Calculation of stable heat transfer from rod bundles in longitudinal flow, 25:54883
Hydraulic drag and heat transfer in turbulent flow of liquids in triangular channels, 25:54884
Study of the heat transfer of boiling sodium under conditions of free convection, 21:16068
KOKOREV, N. R. Electrodeposition of indium in a complex polyethylenepolyamine electrolyte, 23:29991
KOKOREV, V. V. Investigation of the interaction of thorium chloride with the chlorides of Mg, Ca, Ce, Al, Fe, Nb, Ta, and the oxychloride of Nb in melts, 21:36929 (IS-Trans-56)
KOKORIN, A. M. Accelerator output devices. I, 24:15743
Linear electron accelerators for sterilization and radiation chemistry, 24:24485
KOKORIN, V. V. Initial stages of disintegration of Co—Ta and Co—Nb supersaturated solid solutions, 22:15210
New intermediate phase in Co—Nb alloy, 23:3074
Structure of decomposed Co—Nb alloy, 25:58280
KOKOTOV, Yu. A. Kinetics of Cs ion desorption from Cs form of vermiculite, 24:9416 (A-AC-82/G/L-1287)
KOKOTT, T. Pi^{+}—π^{0} mass difference, 22:50311
KOKOTT, T. P. Reaction $\gamma + {}^{4}\mathrm{He} \rightarrow {}^{3}\mathrm{H} + n + \pi^{+}$ in impulse approximation, 21:31558
KOKOULIN, R. P. Filtering of tracks measured on the SMP, 25:42135 (CERN-Trans-71-8)
KOKOUROV, V. D. Angular spectrum of waves scattered by the ionosphere, 21:24998
Diurnal variations of electron density in ionosphere of Northern Hemisphere, 24:17791
Measurement of horizontal ionospheric drifts at two neighboring stations, 24:30272
Simulataneous measurements of ionospheric drifts by vertical and oblique sounding, 25:38280
Spectrum of pulse signal reflected from ionosphere, 21:29111
Winter ionospheric drifts in a quiet-Sun period, 22:15461
KOKOVIKHIN, V. F. Angular distribution of neutrons scattered in air, 25:30639
Distribution of neutrons in air, 22:45979
Neutron dose from an isotropic point fission source, 24:48562
Penetration of neutrons in air, 21:17284
KOKS, F. W. J. Parity nonconservation in β decay of ^{125}Te, studied by Moessbauer effect, 22:46795
KOKS, J. M. Heat conductivity of polyatomic gases in magnetic fields, 25:40434
KOKSHAROVA, S. F. Energy tables for gamma ray emission during radioactive decay, 25:59785
Lifetime of 115.6 keV state in ^{146}Eu, 25:25763
KOKTA, L. Absolute activity measurement of ^{3}H, 25:57505
Absolute measurement of ^{14}C activity by internal proportional counters, 22:14775
Gas proportional counter for determination of low level ^{3}H and ^{14}C in small samples, 21:45417
KOKTA, Ladislav Identification of radionuclides by means of punched cards, 21:40792
Simple scintillation probe for liquid scintillators, 21:35891
KOKUBO, Sadajirou Corrosion problems of Al in the nuclear reactor of Kinki Univ, 23:16469
KOKUBO, Sanya Fabrication of uranium monosulfide, 24:23514
KOKUBUN, K. Resistivity and penetration depth in superconducting thin films, 23:20871
KOKUBUN, S. New polar magnetic disturbances, 25:36012
Polar chorus emission and worldwide geomagnetic variation, 23:18516
Solar flare effect on VLF chorus, 23:25090
KOKUBUN, Susumu Discontinuity in diurnal variation of Whistler dispersion in low latitude, 21:9421
Fine structure of ULF emissions in range 0.1 approximately 2 Hz, 24:37328
Hydromagnetic emissions associated with storm sudden commencements, 23:3377
Hydromagnetic emissions in high latitudes. II, 24:12714
Polar magnetic disturbances, 24:12713
Polar substorm and interplanetary magnetic field, 25:45384
KOKURIN, Yu. L. Determination of the anisometry of large-scale ionospheric inhomogeneities by radioastronomic methods, 21:25023
Models of large ionospheric inhomogeneities, 25:47438
Preliminary results in determining the anisometry of large ionospheric inhomogeneities by the radio astronomy method, 21:25022
Radio astronomical investigations of the parameters of large-scale ionospheric inhomogeneities, 24:10445
Radio-astronomical investigation of ionospheric inhomogeneities, 23:20816
Relating large ionospheric inhomogeneities to the sun according to radio astronomy data, 21:25021
KOKUYAMA, Shigeru Scale invariance and relativistic composite nucleon, 25:56465
KOLAC, Miroslav Nuclear methods of low-temperature thermometry, 21:31379
KOLACEK, Karel Ion distribution function and viscosity tensor for fully ionized plasma, 24:35420
KOLACHEV, B. A. Isothermal transformations in titanium—molybdenum alloys, 22:7021
New materials in engineering, 21:9050 (AD-643685)
KOLACHKOVSKI, A. α decay of neutron-deficient radon isotopes, 25:43887 (JINR-P6-5791)
KOLACHKOVSKII, A. Determination of the boiling point of some isoalkyl astatides by using a glass gas chromatograph, 25:34604 (JINR-P6-5683)
KOLALIS, R. P. Radiation stability of silicon detectors during irradiation with 2.3-MeV protons, 22:2477
Reaction (dα) in ^{32}S and ^{40}C nuclei, 24:18392
Reaction ^{13}C(d,α)^{11}B at deuteron energy of 6.3 MeV, 22:48473
Reaction ^{26}Mg(dα)^{24}Na and the ^{24}Na—^{24}Mg—^{24}Al isobaric multiplet, 23:42874
Violation of isospin selection rules in the (d,α) reaction at E/sub d/ = 7.0 MeV, 24:18363
KOLANEWSKI, Marek Weak process $\pi^{+}P \rightarrow K^{+}P$, 25:7610 (IFT-70/6)
KOLANKOWSKI, Stanislaw Isotopic exchange in the system [PbCl/sub n/]/sup (n-4)-//sub aq/—^{36}Cl^{-}/sub aq/, 24:18935
KOLANOWSKI, M. Weak process $\pi^{+}P \rightarrow K^{+}P$, 24:45483
KOLAR, D. Calorimetric determination of enthalpy of hydration of UO_3, 21:4503
Determination of heats of oxidation of uranium sulphides, 22:4149
Fuel for nuclear power plant, 23:21483 (NIJS-P-228)
Influence of atmosphere on sintering high surface area uranium dioxide, 21:36904 (NIJS-R-501)
Influence of atmosphere on the sintering of high-surface-area uranium dioxide, 23:12408
Influence of compacting pressure and other factors on sintering UO_2, 24:27825 (IJS-251)
Magnetic susceptibility of boron nitride, 25:12010
NMR investigation of hydrated uranium dioxide, 22:14479 (NIJS-R-509)
Phase equilibria in system BaO—CeO_2, 25:58405
Phase relationships and crystal chemistry in systems US—CaS, US—SrS, and US—BaS, 25:43002
Some physical properties of nuclear graphite, 22:43633 (TT-67-58017/3-4, pp 21-7)
Synthesis of uranium sulfides from the elements, 23:11527
KOLAR, Drago Research in fuel element design, 21:34117
Sol-gel process for the preparation of nuclear fuel, 22:47698
KOLAR, J. Bone changes in occupational radiodermatitis, 23:45942
Detection of bone metastases by uptake of ^{85}Sr, 22:21541
Diagnosis of bone metastases in urological cancers, 23:26850
Effects of laser upon bones, 23:33854
Examinations with ^{85}Sr in bone-tumors, 21:30839
Experiences with experimental isotopic investigations of the joints, 25:29581
Five year's experience with isotopic investigations of diseased joints, 25:29576
Investigations of calcium metabolism following local x irradiation. X, 24:34679
Investigations of so-called primary and secondary joint necrosis with bone-seeking radioactive isotopes, 22:33883
Investigations on calcium metabolism of bones following local irradiation. XI, 25:55331

Irradiation sequelae in the heart and major vessels, 25:58147
Isotope diagnosis in bone and joint diseases, 23:50682
Isotopic diagnosis of bone involvement in gynecological cancer patients, 23:50651
Possibilities and limitations of bone diagnosis with ^{85}Sr, 21:20296
Pseudoarthrosis following radiotherapeutically caused fatigue fracture, 24:19367
Radiation changes in children, 23:33892
Radiation induced bone sarcoma, 25:29702
Scintigraphy and angiography in primary tumors of bones and joints, 24:48640
Use of radioisotope techniques for determining the weaning period in experimental animals, 25:32328
KOLAR, Jaromir Arthropathies after irradiation, 22:10876
Bone calcium metabolism after local x radiation. IX, 23:33863
Diagnosis and control of skeletal metastases of mammary carcinoma using ^{85}Sr, 23:891
Hypoplasia of the growing breast after contact x-ray therapy for cutaneous angiomas, 23:8078
Problems of clinics and therapy of hemangiomata in childhood. IV, 22:38285
Problems of clinics and therapy of hemangiomata in childhood. III, 22:38448
Prophylaxis and therapy of radiation injuries, 22:38498
KOLAR, Michael J. High power kinetics of a two dimensional circulating liquid metal fuel reactor, 23:23985 (N-68-36055)
Temperature-dependent kinetics of a two-dimensional circulating fuel reactor, 22:32888
KOLAR, Michael Joseph High-power kinetics of a two-dimensional circulating fuel nuclear reactor, 23:45137
KOLAR, O. C. Summary of experimentally determined plutonium array critical configurations, 25:48332 (UCRL-51041)
KOLAR, Oscar C. Large nuclear-electric space power plant, 21:34151 (UCRL-70272)
KOLAR, V. Reduction of immune response in radiation chimeras, 24:9792
Study of the immunological restoration of allogeneic hematopoietic radiochimeras, 23:50386
Treatment of malignant tumors with high doses of TS 160 and/or high doses of ionizing radiation, 25:21785
KOLAR, W. Final results on neutron total cross section of ^{240}Pu, 23:5922
Measurement of the neutron total cross section of ^{240}Pu, 22:18293
Neutron widths of ^{238}U from 60 eV to 5.7 keV, 25:15080
Resonance parameters of ^{240}Pu. I, 22:32597
Total neutron cross-section of ^{233}U from 0.7 to 320 eV, 25:15079
KOLARICH, R. T. Association constants of anionic-protactinium(V) complexes, 21:19631
KOLARIK, J. Structure and properties of polyamides. XXXI, 23:9429
KOLARIK, Z. Acidic organophosphorus extractants. IV, 22:33512
Acidic organophosphorus extractants. VI, 22:45154
Acidic organophosphorus extractants. X, 23:49902
Acidic organophosphorus extractants. XI, 24:16656
Acidic organophosphorus extractants. XIV, 25:37486
Solvent extraction of some metals by mixtures of tributyl phosphate with alkylammonium nitrates, 23:35312
KOLARIK, Zdenek Coprecipitation of strontium with Pb(II) sulfate from radioactive wastes, 22:18874
Effect of diluent on solvent extraction of Tb(III) and Eu(III) by di-n-octyl phosphoric acid, 22:6400
Solvent extraction adduct metal β-diketonates with tributylphosphate, 24:9474
KOLAROV, V. Absolute direct measurement of activity of pure β emitters by liquid scintillation, 24:46494
KOLAROW, P. Effect of tracer ^{32}P doses on male gonads, 24:34691
KOLARZHIK, Z. Coprecipitation of Sr with Pb(II) sulphate from radioactive wastes, 21:43025 (UJV-1763)
KOLASINSKI, W. A. Spin flip in the inelastic scattering of protons, 23:23648 (RLO-1388-94)
Spin flip in the inelastic scattering of protons, 23:37127
KOLASINSKI, Wojciech Adam Proton spin flip in inelastic scattering from carbon and nickel isotopes, 22:50538
KOLASKA, H. Recent results of cemented carbide research and problems encountered, 25:13752
KOLATA, J. J. Analysis of (p,^{3}He) and (d,α) reactions on ^{209}Bi, 25:36777
Energy-loss straggling of protons in silicon, 23:9715
Excitation energy of the first excited state of ^{12}C, and observation of a coherent Doppler effect, 21:46679
Proton spin flip in reaction ^{12}C(p,p')^{12}C*, 24:6839
Rapid emittance scanner, 25:3498
Spin and parity of the 1644 keV state in ^{40}K, 24:43200
KOLATA, James J. Proton spin flip in reactions ^{12}C(p,p')^{12}C*(4.44) and ^{120}Sn(p,p')^{120}Sn*(1.17), 24:18358
KOLB, A. C. Clamp system for Pharos 2-MJ capacitor bank, 21:15086 (NRL-6422)
Collisionless shock waves and turbulent heating, 23:32341
Confinement of high-β plasma, 23:32318
Hard-core theta pinch with reverse trapped magnetic field, 22:1141 (LA-3770, Paper G5)
Plasma state in a coaxial accelerator, 21:39996
KOLB, B. Radio-gas-chromatographic analysis of fatty acid methyl esters and steroids, 23:28731
KOLB, D. Gamma—gamma and electron-gamma angular correlation studies in the decay of ^{75}Se, 22:42080
KOLB, E. Measurement and calculation of dose rate removal cross-sections and B-factors of neutrons, 24:12875 (ORNL-tr-2247)
Measurement and calculation of dose rate removal cross sections and B factors for neutrons, 25:30637
KOLB, G. Applied magnetohydrodynamics. III, 22:31673 (JUL-510-TP)
Applied magnetohydrodynamics. No. 4, 23:36551 (JUL-580-TP)
Applied magnetohydrodynamics. VI, 25:19536 (JUL-706-TP)
KOLB, J. O. Economic value of engineered safety features in siting of dual-purpose desalting plants, 24:20618 (ORNL-TM-2380)
Tower Shielding Reactor II design and operation report: Vol. 2. safety analysis, 24:52963 (ORNL-TM-2893(Vol.2))
KOLB, K. Radiation protection in working with ^{192}Ir, 24:2677
Radiation protection when handling capsuled radioisotopes in nondestructive testing, 25:11089
KOLB, M. Cobalt-60 gamma irradiation device, 24:19172
Device for sample irradiation, 24:31107
Further development and economic aspects of the integrated pressurized water reactor on the basis of the experiences gained with the OTTO HAHN, 25:54248 (A/CONF.49/P-376)
Neutron flux distribution in and before thermal column of research reactor FRG-1, 24:38611
Operating experience with propulsion reactors, 24:52986
Pulsed neutron source reactivity measurements in the FDR-O, 22:46989
Sample irradiation facility in beam tube at reactor FRG-1, 23:52420
Zero power experiment with the FDR core, 22:46984
KOLB, W. ^{181}W and other short lived fission products in ground-level air in north Germany and north Norway, 25:54785
Analysis of Th X solutions, 23:24107
Classification of radionuclides for transport purposes, 22:28040
Detection of ^{125}Sb in crude lead, 22:16718
Measurements of background radiation in a rock salt mine, 22:28111
Seasonal variations of concentration of ^{7}Be, ^{54}Mn and their decay products in ground-level air, 25:41934
Sensitive scintillation dosimeter, 24:27343 (CONF-690540-, pp 538-47)
Sweep x radiation from color television sets, 23:20222
Zinc-65 in ground-level air after the 1967 Chinese nuclear tests, 23:464
KOLB, W. L. Facility for meltdown study of fuel elements in high-temperature sodium, 21:38571
KOLB, Walter A. Spontaneous activity of lead, 23:13802
KOLBA, V. M. Brazing techniques and procedures for fabricating fuel subassemblies for AARR, 23:15671 (ANL-7458)
Containment materials for pyrochemical processes, 23:38932
Prog. rpt. on lithium/selenium secondary cells for components in electric vehicular-propulsion generating systems, 5/23—11/22/69, 25:16404 (ANL-7663)
Prog. rpt. on lithium/selenium secondary cells for components in electric vehicular-propulsion generating systems, 11/23/69—5/22/70, 25:32637 (ANL-7745)
KOLBAH, D. Effect of irradiation on the properties of pollen in Austrian and Scotch pines, 21:30928
KOLBANOVSKII, Yu. A. Kinetics of annealing process of adsorption and paramagnetic centers generated by irradiation on surface of γ-Al_2O_3, 25:45574
Kinetics of isotopic exchange between deuterium and γ-Al_2O_3 hydroxyl groups in γ radiation field, 22:16590
Kinetics of the regularity of the regulation-induced chemisorption of O_2 on the surface of γ-Al_2O_3, 21:40834
Radiation damage and adsorption as studied by the method of exoelectron emission, 23:23281
Radiation-induced chemisorption of O on γ-Al_2O_3, 21:115
Relative role of adsorption centers with varying times of life in radiation chemosorption and γ-adsorption effect, 24:11599
Role of volume of solid substance in radiation adsorption of hydrogen on γ—Al_2O_3, 22:33412
KOLBE, A. H—D isotope effects in crystalline-fluid alkoxybenzoic acid, 23:6119
Isotope effect (H—D) at H bridges between alcohols and tertiary amines, 23:24190
KOLBE, Alfred IR spectrum of nitrosodicyanmethanide ion $[ONC(CN)_2]^-$, 24:46216
KOLBE, H. Compatibility of uranium carbide with refractive metals, 24:27835
Interaction between uranium carbide and refractory metals, 24:10135
KOLBE, O. Optimal space trajectories of nuclear rockets, 22:1845
KOLBE, W. Analysis of radioactive and stable isotopes of H, C, N, and O, 23:28728
Formation and characterization of divalent Es in a CaF_2 crystal, 24:38891
Liquid scintillation counting using an RCA photomultiplier Type C31 000D, 25:34895
KOLBENSTVEDT, H. Energy transfer in the collision of electron beams, 22:957
Theory for K ionization by relativistic electrons, 22:947
KOLBENSTVEDT, Hans Polarization effects in induced emission of bremsstrahlung, 22:45942
Polarization effects in induced emission of bremsstrahlung, 22:50033
KOLBER, A. R. Observations on the attachment of ^{51}Cr to the human red cell, 21:39354
KOLC, J. Detection of myocardial infarcts by in-vivo scanning using mercurascan, 23:48123
Ischaemia detecting radioactive substances for scanning cardiac and skeletal muscle, 21:32681
Preparation of radioactive hydroxymercury derivatives of fluorescein series applicable as IDRS, 25:24246
Preparation of some mercuri-derivatives of fluorescein labeled with isotopes ^{197}Hg and ^{203}Hg. III, 25:15715
Process of improving the yields of radioactive fluorescein, 25:32467
KOLC, Jiri Method of purifying and separating derivatives of fluorescein series labelled with radioactive mercury isotopes, 25:21151
Process of manufacturing radioactive substances derived from difluorescenylmercury and labelled with radioactive iodine isotopes, 25:58047
KOLCHAKOV, K. Immunological characteristics of silver-labeled proteins, 21:22278
KOLCHENKO, A. P. Interaction of an atom with a monochromatic field in the model of strong interactions, 22:29231
KOLCHIN, A. A. Proton flux from 1.5 to 50 MeV on satellites Zond-4 and Zond-5, 25:30164
KOLCHIN, A. M. Scintillation type mass spectrometric ion detector, 21:290
Separation of boron isotopes by chemical exchange methods. VI, 22:16656
KOLCHIN, E. V. Effect of ionizing radiation on food products, 25:16390 (JPRS-52121, pp 63-8)
KOLCHIN, O. P. Carbon reduction of niobium pentoxide to niobium, 25:16578
Interaction between niobium carbide and molybdenum oxide, 25:24634
KOL'CHUZHKIN, A. M. Application of perturbation theory to calculation of γ-radiation's penetration through two-layer barrier, 22:39149
Calculating the transmission of gamma radiation through an inhomogeneous barrier, 23:16848
Calculation of perturbation of intensity of γ radiation by small cavities, 24:19935
Calculations of transition effect in electron—photon shower, 24:5269
Conjugate equations of cascade theory and the perturbation method, 23:13064
Defect detection in gamma-scintillation nondestructive testing, 25:57701
Energy spectra of gamma radiation behind two-layer barrier, 23:51749
Estimation of defects in gamma defectoscopy, 25:49978
Monte Carlo method of calculating gamma radiation field in a statistically inhomogeneous medium, 25:56268
Perturbation method for calculating γ-radiation reflection from two-layer shielding, 23:51750
Perturbation of γ radiation intensity by small defects, 24:19938
Perturbation of the radiation field by local inhomogeneity, 22:41639
Singularity of a conjugate function in the case of a point detector of gamma radiation, 25:49961
KOLDAEVA, K. A. Distribution of ^{90}Sr in chickens, 25:23949 (AEC-tr-7195, pp 25-31)
KOLDE, H. E. Radiological surveillance studies at a BWR nuclear power station: estimated dose rates, 25:56979
Radionuclides in effluents from boiling water reactor, 25:6080
KOLDE, Harry E. Radiological surveillance studies at a boiling water nuclear power reactor, 24:26708 (BRH/DER-70-1)
Radionuclide release at a PWR nuclear power station, 25:41361
KOLDEWIJN, P. Decay of 23.0 min ^{79}Rb to levels in ^{79}Kr, 25:17787
Decay of 5.1 min /sup 164m/Tm, 25:46053
Decay of isomers of ^{102}Rh, 25:3671
Decay of some nuclei far from the stability line studied with standard spectroscopic techniques, 25:28322 (CERN-70-30(Vol.2), pp 939-47)
Energy of gamma rays from ^{7}Be, ^{40}K, and ^{113}Sn, and decay of ^{113}Sn, 25:3694
New isotopes ^{158}Tm and ^{160}Tm, 24:49795
KOLDITZ, J. Proof of reactor component in helium atmosphere, 25:20558
KOLDITZ, L. Radiation stability of ion exchangers, 21:15922
KOLDOBSKAYA, F. D. Effect of neutron irradiation on tissue metabolism processes, 21:4766
KOLDOVSKY, P. Fibroblastoid transformation of malignant myeloblasts in vitro, 23:6582
Sensitization of immunologically competent cells against tumor specific antigen, 21:1812
KOLDTIZ, H. Storage of radioactive wastes, 24:41414
KOLEGAEV, M. A. Experimental investigation of diffusion of dopants along dislocations introduced into silicon by electron beam heating, 24:6646
KOLEGANOV, Yu. F. Doppler effect in ^{238}U in shield of uranium oxide reactor BR-1, 22:7920 (ANL-Trans-540)
Investigation of Doppler effect in ^{238}U in oxide blanket of BR-1 reactor, 22:35640
Neutron propagation in U dioxide. I, 22:53425
Neutron propagation in U dioxide. II, 23:1765
Resonance detector measurements of neutron spectra up to 3 kev, 21:2687
KOLEHMAINEN, S. Cesium-137 in plants, plankton, and fish of Finnish lakes, 23:12109
Tracer experiment with ^{131}I in an oligotrophic lake, 23:17975 (CONF-670503-, pp 278-84)
KOLEHMAINEN, S. E. Balances of ^{137}Cs, stable Cs, and feeding rates of bluegill in White Oak Lake, 24:5978 (ORNL-4445)
KOLEHMAINEN, Seppo Biological half-times of ^{137}Cs and ^{22}Na in fish, 23:12036
KOLEMENSKII, A. A. Radiation effects on dynamics of relativistic electron rings, 25:28114 (NP-18634)
KOLENBRANDER, H. M. X-ray inactivation of urease in dilute solution, 23:26688
KOLENIK, Steve A. Nuclear energy sources, 24:19176
Reliability study and test plan: Radioisotope-powered cardiac pacemaker, 24:50519 (NUMEC-3731-17)
KOLENKO, E. A. Thermoelectric refrigeration instruments, 21:29186
KOLENKO, L. I. Collection of spectral lines for ore and mineral analyses on diffraction spectrograph, 21:34284
KOLENKOV, V. V. Electrochemical method for dissolution of metallic tungsten, 24:32369
KOLENKOVA, M. A. Production of technical zirconium dioxide from baddeleyite concentrates, 22:41095
Production of zirconium dioxide from baddeleyite concentrate, 25:42942

  - Thermal disintegration of basic zirconium sulfate, 22:19615
- KOLENKOW, R. J. Radiogenic tumors in radium and mesothorium cases, 23:38854
- KOLENKOW, Robert J. Prog. rpt. on radium and mesothorium poisoning and dosimetry and instrumentation, annual, 5/68, 23:16287 (MIT-952-5(Pt.2))
  - Prog. rpt. on radium and mesothorium poisoning and dosimetry and instrumentation techniques, annual, 5/68, 23:20081 (MIT-952-5(Pt.1))
- KOLEROV, G. I. Analysis of microcausality, 22:24571 (LA-tr-68-6)
  - Near-local scattering matrix, 24:49613
  - Perturbation theory with the cut-off, 24:28450 (JINR-P2-4952)
- KOLESAR, D. Effect of mean and absolute lethal doses of ionizing radiation on porphyrinuria in experimental animals. I, 21:41508
  - Effect of mean and absolutely lethal doses of ionizing radiation on porphyrinuria of experimental animals. II, 21:41507
- KOLESAR, D. C. Advances in FTR fuel subassembly design, 22:32986
  - COBRA-IIA: a program for thermal-hydraulic analysis in very large bundles of fuel pins, 24:46413 (BNWL-1422)
  - FFTF fuel pin and subassembly conceptual design methods and data, 24:43805 (BNWL-1064)
  - Rotating wire spacer model in large-bundle thermal hydraulics, 25:34363
  - TOPLYR: two-dimensional thermal energy transport code, 25:28856 (HEDL-TME-71-39)
- KOLESAR, Donald C. Rotating wire spacer model in large bundle thermal-hydraulics, 25:37020 (WHAN-SA-76)
- KOLESNICHENKO, G. A. Diamond and graphite wetting with melted metals and alloys. VII, 22:47707
- KOLESNICHENKO, V. E. Magnetic susceptibility of yttrium single crystals, 22:9475
- KOLESNICHENKO, V. P. Device for investigating the cement collar behind the column of oil and gas wells, 24:5745
- KOLESNICHENKO, Ya. I. Dielectric constant of weak inhomogeneous plasma with almost monoenergetic component, 24:5166
  - Effect of fusion reactions on the operation of thermonuclear devices, 25:38506 (CONF-710607-131)
  - Influence of pair scattering on the stability plasma—beam systems, 23:51703
  - Instability of inhomogeneous plasma caused by thermonuclear reaction products, 22:11483
  - Interaction of magnetohydrodynamic waves in a bounded plasma, 24:28348
  - Interaction of waves in plasma waveguides. I, 25:17236
  - Interaction of waves in plasma waveguides. II, 25:17237
  - Magnetohydromagnetic waves in a cylindrical plasma column, 22:50161
  - Non-linear wave phenomena in a high-temperature plasma, 23:32512
  - Possibility of stationary regimes in thermonuclear reactions, 25:56222
  - Stability of a magnetoactive plasma with a monoenergetic component, 23:8640
- KOLESNIK, A. P. Radioactivity of rocks in connection with influence on development of pneumoconiosis, 22:45683
- KOLESNIK, F. A. Acute radiation sickness in man. I, 24:48598
  - Concerning the nomenclature of injuries caused by ultra-high-frequency electromagnetic waves, 22:36301
  - Disturbances of the endocrine system by chronic action of a ultra-high-frequency field, 22:21623
  - Problem of clinical observation of injuries caused by SHF electromagnetic fields, 22:585
- KOLESNIK, I. G. Interpretation of the excess infrared emission of nonstationary stars, 22:13121
  - Phase shift between the radius and temperature variation in Cepheids, 25:19322
  - Stars in gravitational-contraction stage, 22:45886
- KOLESNIK, V. M. Biological activity and radiation protection of optical quantum generators, 23:50560
  - Origin of elastic vibrations in biological mediums under the influence of ruby laser radiation, 22:43467
- KOLESNIKOV, A. G. Connection between physical, chemical, and biological structure of surface layer of water of Black Sea, 22:8550
  - Dissemination of radioactive contamination as result of discharge of radioactive waste into Irish Sea, 22:23179 (A-AC-82/G/L-1191)
  - Radioactivity of ocean waters and behavior of some fission products, 25:51649 (A/CONF.49/P-457)
  - Regularities of the radioactive contamination spreading in the ocean, 22:2257
  - Some features of the transport of radioactive contamination in the oceans, 25:51653
- KOLESNIKOV, A. I. Nuclear power plant simulator, 24:33243
- KOLESNIKOV, A. N. Radioecological studies in region of Mururoa Atoll (Yuamotu Archipelago), 23:24711 (A-AC.82/G/L-1254, pp 18-23)
  - Radioecological studies in the Mururoa Atoll (Tuamotu Is.) region, 24:12060 (AEC-tr-7128, pp 62-5)
- KOLESNIKOV, B. Ya. Scintillation type mass spectrometric ion detector, 21:290
- KOLESNIKOV, E. E. Biosynthesis of adenosinetri-, adenosinedi-, and adenosinemonophosphoric acids in the nuclei of rat thymus, 24:9768
  - Formation of ATP in nuclei and mitochondria and the influence of β-mercaptoethylamine, 25:4597
  - Rat thymus nuclei in normal and irradiated animals, 23:50632
- KOLESNIKOV, E. I. Properties of deposited coatings of stabilized zirconium dioxide, 23:14402
  - Properties of zirconium dioxide layers produced by gas-flame coating, 22:34113
- KOLESNIKOV, E. K. Evolution of charged particles from the point source in the field of magnetic dipole, 25:5004
- KOLESNIKOV, G. S. New fiber-forming polyamides, 23:19784
- KOLESNIKOV, I. M. Polymerization of amylenes on irradiated and nonirradiated aluminosilicates that contain nickel oxides, 23:21749
- KOLESNIKOV, L. N. Halogen-containing plastic scintillators, 21:21939
- KOLESNIKOV, L. Ya. Coherent bremsstrahlung on a diamond monocrystal, 24:35595
  - Electronic device for measuring electron-beam and γ-quantum intensities, 21:6292
  - Investigation of (γ, p) reactions in ^{7}Li using a beam of quasi-monochromatic and polarized photons, 24:3851 (NP-18036)
  - Investigation of (γ,p) reaction on ^{7}Li nucleus by means of a beam of quasimonochromatic and polarized photons, 23:37118
  - Radial shaping of a beam in an electron linear accelerator, 22:5692
- KOLESNIKOV, N. N. Alpha decay energy systematics and α stability of nuclei, 21:10080
  - Decay of hypernuclei into two Λ particles, 21:11963
  - Interaction between light hypernuclei and nuclei, 21:12113
  - Studies of mirror nuclei of the shell 1f/sub 7/2/, 24:22130
  - Systematics of β-decay energies and properties of energy surface of nuclei, 21:12112
  - Systematics of the full β decay half-lives, 22:1736
- KOLESNIKOV, N. V. Stabilization of gain of a scintillation counter for registering ^{14}C, 25:29344
  - Variations in concentration of ^{14}C in atmosphere from 1957—1968 (dendrological data), 24:41437
- KOLESNIKOV, P. M. Combined work of high-current electro-dynamic plasma accelerator with supply source as one-phase phaneropole magneto-electric generator, 25:25103
  - Effect of intensive mass transfer on integral characteristics of moving plasma with electrodynamic acceleration, 24:17925
  - Effects of mass transfer processes and resistance forces on the electrodynamic plasma acceleration, 23:25349
  - Electrodynamic plasma acceleration in high-current pulsed accelerators, 24:37463
  - Electrodynamic plasma acceleration, 24:12800
  - Energy relationships and coefficient of energy transformation for electrodynamic plasma acceleration with regard for mass transfer process, 23:30578
  - Influence of ionization of neutral gas and ion recombination on electrodynamic acceleration of plasma, 24:10547
  - Influence of triple electron and ion combination on electrodynamic plasma acceleration, 25:36109
  - Interactions of simple electromagnetic waves in nonlinear media with saturation, 24:10586
  - Mass-transfer processes during electrodynamic plasma acceleration, 24:51682
  - Relaxation processes in electrodynamic plasma acceleration, 24:28290
- KOLESNIKOV, S. M. Centrally-symmetric motion of interstellar dust in the general theory of relativity, 22:1493
  - Unitary model of gravitational interaction, 22:1488
- KOLESNIKOV, V. M. Bremsstrahlung during scattering of ultrarelativistic electrons, 21:2405
- KOLESNIKOV, V. N. Azimuthal asymmetry in electron scattering by extended nuclei, 22:39720
  - Studies of decaying helium plasma, 25:45468
  - Thermal radiation of nitrogen plasma over the range 0.5 to 1.1 μ, 23:5430
- KOLESNIKOV, V. V. Auger transitions and the shape of the x-ray spectrum, 22:2810
  - Preventive diet in internal irradiation with ^{137}Cs and ^{90}Sr, 25:10956
  - Radiation-hygienic conditions in the Far North, 1959—65, 23:14150 (AEC-tr-7000)
  - Statistical parameters of metabolism of ^{137}Cs of global origin among inhabitants of Arctic regions, 23:6337 (A-AC-82/G/L-1183)
- KOLESNIKOV, Yu. A. Development of discharges in noncylindrical Z pinch, 22:46172
  - Dynamics of plasma envelope of non-cylindrical Z-pinch up to the instant of implosion, 21:46336 (CLM-Trans-8)
- KOLESNIKOVA, A. N. Radioecological investigations in region of Mururoa Atoll (Tuamotu Island), 23:24586
  - Radioecological research in the Mururoa Atoll region, 23:33665 (JPRS-47899)
- KOLESNIKOVA, A. V. Effects of radiations on corticosubcortical interaction, 22:47590
- KOLESNIKOVA, E. N. Stability of a solid conducting cylinder in magnetic field of current passing through it, 22:20034
- KOLESNIKOVA, G. S. Action of ^{131}I-rose bengal on viscera, 22:45435
  - Chronic radiation ulcers of skin, 25:597
- KOLESNIKOVA, L. E. Interaction of certain compounds of thorium with dimethyl sulfoxide, 25:34565
- KOLESNIKOVA, L. M. Temperature dependence of spontaneous magnetization in holmium during heating—cooling cycle, 25:9579
- KOLESNIKOVA, L. N. Semiautomatic apparatus for measuring geometric parameters of charged particle tracks in photoemulsions, 23:6294
- KOLESNIKOVA, L. P. Digital system for maintaining the maximum beam intensity of neutron generators, 23:46885
- KOLESNIKOVA, M. M. One-photon transition from the metastable level of the hydrogen atom considering spin states, 24:51401
  - Theory of synchrotron radiation in the movement of electrons in a spiral, 23:49025
- KOLESNIKOVA, N. V. Diagnostic information obtained during radioisotopes scanning, 24:48624
- KOLESNIKOVA, S. S. Effect of ionizing radiation on mitotic activity of cultured cells, 25:58080
- KOLESNIKOVA, T. V. Relationship between F_2- and E/sub s/-layer parameters, 25:33139
  - Relationship between the geomagnetic field and the sporadic E layer, 25:2995
- KOLESOV, A. K. Models of the outer layers of hot main-sequence stars, 23:3192
  - Thickness of dust nebulae, 22:13130
- KOLESOV, B. E. Fast neutron radiative capture by ^{89}Y, 21:11993
- KOLESOV, B. I. Corrosion and electrochemical behavior of carbon steels, 24:12371
- KOLESOV, B. M. Effective atomic number of homogeneous media with γ sources, 23:12953
  - Fast-neutron thermalization time in silicate ores of varying moisture content, 25:13109
  - Radiation resistance of type ZnS + ^{10}B detectors to neutrons, 25:18880
- KOLESOV, G. M. Investigation of the distribution of rare elements between the various phases of stone meteorites by neutron activation analysis, 23:4582
  - Neutron activation determination of scandium in meteorites, 21:32106
  - Radiochemical investigation of products from splitting of praseodymium nuclei by protons with energy of 660 MeV, 24:3893
  - Study of distribution of Sc, Ce, and Eu between the various phases of meteorite matter, 25:19302
- KOLESOV, I. M. Interaction of $NbCl_5$ with O_2, 21:8241 (LA-tr-66-70)
- KOLESOV, I. V. Apparatus for investigation of α-active nuclei: the products of reactions with heavy ions, 25:14841 (JINR-P13-5353)
  - Identification of elements 102 and 104 by collimation method, 24:49866
  - Identification of elements 102 and 104 with the help of the collimation method, 25:10030 (KFK-tr-329)
  - Synthesis and determination of radioactive properties of some fermium isotopes, 21:5531 (JINR-P-2904)
  - Synthesis and determination of radioactive properties of some isotopes of fermium, 21:19278
  - Synthesis of element 105, 24:49858 (JINR-P7-5164)
- KOLESOV, M. A. Acute irradiation sickness in dog, 23:6368
- KOLESOV, V. E. Cross sections for radiative capture of fast neutrons by ^{74}Ge, ^{133}Cs, and ^{192}Os, 23:8974 (BNL-tr-240)
  - Cross sections for radiative capture of fast neutron in 10 to 350 keV energy region, 24:10973
  - Effect of parameters of the optical model on the channel analysis of the neutron-induced nuclear fission, 23:9048
  - Effect of the optical-model parameters on channel analysis of the neutron-induced nuclear fission, 23:42955 (BNL-tr-273)
  - Inelastic neutron scattering on C, Al, Fe, and Bi nuclei, 22:11922
  - Isomeric ratios in fast neutron capture reaction on ^{80}Se isotope, 22:32560
  - Neutron radiative capture in the synthesis of heavy elements in stars, 22:5905
  - Radiative capture cross section of fast neutron with energy 0.2 to 0.3 MeV by nuclei ^{128}Te and ^{130}Te, 23:37246
  - Radiative capture cross sections for fast neutrons in ^{55}Mn, ^{69}Ga, ^{71}Ga, and ^{98}Mo, 24:35856
  - Radiative capture of fast neutrons by the nuclei ^{24}Mg, ^{55}Mn, ^{63}Cu, ^{87}Rb, ^{89}Y, and ^{193}Ir in the 0.15 to 7 MeV energy range, 21:4270
  - Radiative capture of fast neutrons by ^{37}Cl, ^{87}Rb, and ^{193}Ir isotopes, 22:3648
  - Radiative capture of fast neutrons by nuclei ^{112}Sn, ^{124}Sn, and ^{121}Sb, ^{123}Sb, 22:48535
  - Radiative neutron capture in synthesis of heavy nuclei, 22:18205 (FEI-64)
  - Use of numerical methods for neutron cross section calculations, 25:20530
- KOLESOV, V. F. Dynamical stress amplitude in a fast pulse reactor, 22:20918
- KOLESOV, V. V. Automatic equipment for studying distribution of intensity of γ radiation with respect to length of irradiated materials (exchange of experience), 25:51864
  - Behavior of irradiated Zr—B alloy during annealing, 24:1108
  - Radiation stability of SM-2 reactor plate fuel elements, 22:37544
- KOLESOV, Yu. I. Effect of certain technological factors on degree of volatilization of B_2O_3 in melting of non-alkaline alumoborosilicate glass for production of fiberglass, 25:22158
- KOLESOVA, V. I. Optimum representation of the geomagnetic field by three dipoles, 22:34474
  - Spatial structure of the residual Z/sub ae/ field, 23:10562
- KOLESZAR, G. Uv-ray treatment of virus-caused corneal inflammations, 22:15042
- KOLESZAR, Gy. Treatment of viral inflammation of cornea by UV irradiation, 22:19389
- KOLETTIS, Nicholas J. Surface wave on temperature collisional plasma column, 21:11602 (AFCRL-66-765)
- KOLETTIS, Nicholas John Theoretical and experimental study of a surface wave on a temperate collisional plasma column, 22:11463
- KOLEV, D. X-ray protective and x-ray therapeutic action of hydrolyzates from red bone marrow, 23:892
- KOLEV, K. D. Negative pressure containment, 22:32865
- KOLEV, Z. Production of carrier-free ^{18}F from neutron irradiated Li carbonate, 21:10393
- KOLEVA, M. X-ray protective and x-ray therapeutic action of hydrolyzates from red bone marrow, 23:892
- KOLEVATOV, Yu. A. Effects of x radiation on the strength stability of polymethyl methacrylate, 21:25882

KOLEVATOV, Yu. I. Energy distribution and dose rate of gamma quanta scattered at the air—earth interface, 21:21048
  Secondary γ-radiation in shielding, 25:56277
KOLFENBACH, J. J. Application of radioisotopes in the development of products in the petroleum industry, 22:8320
KOLFLAT, Tor Thermal discharges, 22:37469
KOLFLAT, Tor D. Thermal discharges: an overview, 25:46278 (CONF-710427-2)
KOLGA, V. V. Charged particle motion in monoenergetic cyclotron, 25:31122
  External injection and acceleration of the beam to the final radius in the electron model of the ring cyclotron with strong focusing, 25:20130 (JINR-P9-5453)
  Isochronous cyclotron for production of charged particle beams of high degree of monoenergy, 22:46569 (JINR-P9-3932)
  Meson factories in USSR, 21:29762
  Monoenergy cyclotron, 23:27927
  Monoenergy cyclotron, 24:15732
  Obtaining of resonance frequencies of radial oscillations in relativistic cyclotrons, 21:15454
  Phase motion in the phasotron with spatial variation of magnetic field, 25:31156
  Process for acceleration of multiply charged ions of heavy elements, 25:45856
  Ring accelerator with strong focusing for multicharged ions, 22:1525 (JINR-P9-3443)
  Strong focusing ring cyclotron for multicharged ions, 22:32279 (CEAL-2000, pp 295-9)
  Strong focusing ring cyclotron for multi-charged ions, 22:35188
KOLGANOV, V. Z. Evidence for $\pi^+\pi^-$ resonance at 1.5 1.6 GeV in 4.7 GeV/c π^-p^- interaction, 21:7470
  g^0 resonance decay into four pions, 23:30714
  Quasi-two-particle π^-p reactions, 22:48241
  Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ at 3.25 GeV/c, 23:7100
  Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ with the impulse of π^- meson at 3.25 GeV/c, 22:48227 (ITEF-590)
  Three-particle resonances in π^-p interactions at 4.7 GeV/c, 21:21143
KOLGANOVA, E. D. High energy protons during absorption of muons by emulsion nuclei, 24:35860 (ITEF-707)
  High-energy protons from absorption of muons by emulsion nuclei, 24:30462
  Measurements of masses of charge-one particles emitted at absorption of π^-—mesons with energy 150 MeV by ^{12}C nuclei, 22:32489
  Polarization of the Σ^+ hyperons produced on the complex target, 22:1390
KOLGANOVA, L. I. Experiments on initial travel of safety rod, 21:17540
KOLGOPOLOV, V. V. Theory of transformation of surface waves into longitudinal oscillations in surface layer of plasma waveguide, 25:52860 (KHFTI-70/55)
KOLHATKAR, M. G. Control of radiation hazards in the Canada—India reactor, 22:16299
KOLIADA, N. S. Complexometric determination of U(IV) using arsenazo I as indicator, 21:45022 (CEA-tr-R-1512)
KOLIBALOVA, Anna Changes in DNP histones after irradiation, 25:13385
KOLIKOVA, G. P. Mechanical properties of molybdenum-base alloys, 25:58248
KOLIN, Ivo Stirling cycle with nuclear fuel, 23:9192
KOLIN, V. V. Separation of rubidium and cesium by the method of focusing ion exchange, 22:45169
KOLIN'KO, L. E. Superconducting point contact having properties of Josephson junction, 25:36070
KOLINSKA, J. Fast preparation method of ^{32}P applicators, 25:57500
  Liver blood flow and polygonal cell function, 23:38692
  Preparation of ^{32}P applicators, 25:34671
KOLINSKY, M. Structure of chlorinated poly(vinyl chloride). I. Determination of the mechanism of chlorination from infrared and NMR spectra, 25:26246
KOLIWAD, K. M. Pressure dependents of the elastic constants of NaCl at low temperature, 25:37198 (NYO-2504-63)
KOLK, B. Contact density of conduction electrons in iron and the isomer shift of ^{57}Fe, 25:28247
  Dual-motion Moessbauer absorber system, 25:42120
KOLKER, H. J. Elastic scattering, diffusion, and excitation transfer of metastable He in He, 23:20673
  Variational approach to perturbation theory. II, 22:52516
  Variational formulation of the Harris expansion technique, 25:4955
KOLKER, R. J. Multidimensional maximum-likelihood processing of LASA, 21:16033
KOLKER, V. E. Focusing and dispersion properties of field of a cylindrical capacitor, 21:43782
KOLKOV, M. K. Green functions in the theory of local unrenormalizable interactions, 24:10695
KOLKUNOV, V. A. Anticlassical approximation, 24:18292 (ITF-69-80)
  Atlas of distributions, 24:10692 (ITEF-700)
  Connection between quantum mechanics and Lobachevsky geometry of space, 23:3618 (ITEF-613)
  Method of steepest descents, 22:44952 (ITEF-561)
  Methods to calculate phase-space integrals and distributions, 23:30687
  Peripheral particle generation at high energy, 24:37806
  S-matrix problems (quasiclassics), 24:15432
KOLLAR Determination of Ru in catalysts, 23:37894
KOLLAR, J. Computer program for the determination of gamma emmitter activity in biological samples, 25:21705
  Estimation of gamma-emitters in biological samples, 25:46839
  Estimation of radioactivity of biological samples, 25:11044
KOLLAR, Jozef Studies of tritium and ^{14}C in health physics practice, 24:36176
KOLLAR, R. Tri-iso-octylamine nitrate molybdenum extraction, 23:38037
KOLLAR-MOROCZ, A. Effect of visible light and ultraviolet rays on the stimulus threshold of frog muscle sensitized by eosin, 22:17047
KOLLATH, Juergen Radiation injuries to mouse embryos in early pregnancy, 21:45811
KOLLATH, Klaus-Johannes Polarization effect in the hyperfine structure of ^{63}CuI,3d^{9}4s^{2}m^{2}D, 21:17327
KOLLATH, R. Particle accelerators, 21:33843
KOLLATS, Z. Nuclear fuel balances and the problems generating from them, 23:52349 (JPRS-48330, pp 109-22)
KOLLATTS, Z. Temperature dependence of structure of ^{238}U cross sections in unresolved resonance region, 24:47938 (NP-18369)
KOLLATZ, Z. Doppler effect in fast reactors, 23:52325 (JPRS-48331, pp 280-300)
KOLLBACH, A. Graphic display terminal for nuclear experiments with on-line computer. I, 25:4390 (HMI-B-100)
KOLLBERG, E. High-resolution interferometry of small radio sources using intercontinental base lines, 22:49880
  OH and formaldehyde radiation properties of the W75 region, 23:34195
  OH excited-state emissions from W75 B and W3 OH, 24:37075
KOLLER, A. Role of the inertial force in the linear z-pinch, 21:11597 (SC-T-66-0771)
KOLLER, D. Direct measurement of diffusion resistance of stomata, 23:38386
KOLLER, E. L. Analysis of 17 898 tau$^+$ decays at rest, 24:32960
  Analysis of 17,898 tau$^+$ meson decays at rest, 24:20065 (AD-697966)
  Branching ratios for $K^+ \rightarrow 3\pi$ decays, 24:49308
  Mean life of the π^0 meson, 21:5353
  Positive-tau analysis, 22:52923 (AD-669491)
  Violation of the $\Delta I = {}^1/_2$ rule in $K^+ \rightarrow 3\pi$ decay, 23:49037
KOLLER, K. Degenerate representation functions for SO(τ), SU(τ), and SU(τ) x SU(τ), 23:32798
  Feynman diagrams for unitary representations of SL/sub 2,C/, 22:20284
  Feynman diagrams with infinite dimensional representations of the Lorentz group O(3,1), 23:34641
  Nonpolynomial Lagrangians with derivative interactions, 25:25497
  Transformations between basis vectors of unitary SL/sub 2,C/ representations, 22:9631
KOLLER, L. Problems in the quantitative spectral analysis of rare earth metal traces. II, 25:28946
KOLLER, Victor Paul Improvements in nuclear reactors and fuel and other elements therefor, 22:39913
KOLLEY, W. Electrical conductivity of fully ionized plasma, 23:14756
KOLLEY, Winfried Operator method for solution of Vlasov equation, 22:24324
  Theory of electrostatic oscillations in Vlasov-plasma in external electrical field, 21:27151
KOLLIE, T. G. Electrical and thermal properties of NaCl structured metallic actinide compounds, 25:11494
  Niobium—1 percent Zr alloy, 23:27095
  Pulse calorimetry using a digital voltmeter for transient data acquistion, 23:17306 (ORNL-4380)
  Room temperature measurements of electrical resistivity and thermal conductivity of various graphites, 25:44283 (ORNL-TM-3477)
  Thermal conductivity measurements on MgO, BeO, ThO$_2$, Th/sub x/U/sub 1-x/O/sub 2+y/, 21:31088 (ORNL-4121)
KOLLINS, R. E. Radiostars, 23:12484
KOLLIOPOULOU, H. Effects of fast electrons in various irradiation depths on chromosome aberrations using root tips of Allium cepa, 21:1841
KOLLMAN, V. H. Production of Candida utilis with 93 at. percent ^{13}C acetic acid as the sole carbon source, 25:13331 (LA-4551)
KOLLMAN, Victor H. Production of algae containing 93 percent ^{13}C, 24:50658 (LA-4496)
KOLLMANN, G. Protection of macromolecules against ionizing radiation, 24:12120
KOLLMANN, George Mechanism of action of radiation protective agents: in vivo distribution and metabolism of cysteamine-S-phosphate (MEAP), 25:26805
  Mechanism of radiation hemolysis in human erythrocytes, 23:20117
  Nature of the membrane injury in irradiated human erythrocytes, 23:2857
  Prog. rpt. on chemical protection against radiation damage in mouse, 9/1/65-2/28/66, 21:16371 (AD-639641)
  Protection by ascorbic acid against radiation damage in vitro, 22:51828
  Protection of DNA against ionizing radiation by Actinomycin D in vitro, 25:21594
  Protection of DNA against ionizing radiation, 25:26801
  Protective action of GED against radiation damage to DNA, 22:2525
KOLLMAR, W. Measurement of thermal conductivity of H between 2000 and 7000°K, 23:5398 (LA-tr-68-51)
  Measuring of thermal conductivity of hydrogen, 23:14753
KOLLMEDER, L. Digitized microscope for evaluation of photo emulsions in high-energy physics, 25:13284 (CERN-70-21(Vol.2), pp 851-7)
KOLLMER, W. E. Differential retention of ^{47}Ca and ^{85}Sr by mouse during lactation, 24:44413
  Increased elimination of radiostrontium during lactation, in relation to age of animals, 25:42252
  Strontium-90 in the sucking rat, 25:24020
KOLLMEYER, Willy D. Electrophilic substitution at saturated carbon. XXXV, 22:21063
  Electrophilic substitution at saturated carbon. XXXVII, 22:21065
  Electrophilic substitution at saturated carbon. XXXVI, 22:21064
KOLLMEYER, Willy Dietrich Acidities of weak carbon acids, 22:35816
KOLLTVEIT, K. Distorted-wave analysis of reactions leading to the singlet deuteron state, 23:15381
  Effective two-nucleon interaction from analysis of reaction ^{16}O(t,p)^{18}O, 22:20696
  Transfer reactions on pseudonium isotopes, 24:8959
KOLLTVEIT, Kristofer Analysis of reaction ^{16}O(t,p)^{18}O, 22:20489
  Self-consistent nuclear spectroscopy with two-nucleon transfer reactions, 23:19375
KOLLWENTZ, W. Investigations on cermets of ThO$_2$—Ni and ZrO$_2$—Mo, 25:2796
KOLM, A. Behavior of integral A tilde (anti p,p$_0$) phi tilde (p$_0$) dp$_0$ for phi tilde epsilon S in axiomatic field theory, 23:42722
  Domain of the time-averaged field operator in axiomatic field theory, 22:11725
  Generalized edge of the wedge theorem, 22:35101
  Some comments on the generalized energy-momentum eigenvectors in the axiomatic field theory, 24:20215
KOLM, Henry H. Prog. rpt. on magnetic monopoles, annual, 1967, 22:7467 (MIT-3828-1)
KOLMANOVA, A. Carotenoids synthesized by uv-induced mutants of Mycobacterium phlei, 25:26687
  Occurrence of geometrical isomers of lycopene in the modification of the uv-induced mutant of Mycobacterium phlei, 25:49157
KOLMAR, H. High dose integrating chemical dosimeters, 22:30586 (EUR-3914(Pt.2))
  High dose integrating chemical dosimeters, 22:30587 (EUR-3914(Pt.1))
KOLMOGOROV, A. N. Definition of algorithms, 22:3995 (ANL-Trans-534)
KOLMOGOROV, V. L. Theory of hydrostatic extrusion of brittle metals, 21:24765
KOLMYUKOVA, L. F. Leak-test method for hermetically sealed semiconductor devices utilizing radioactive gas ^{133}Xe, 21:30722
KOL'NOV, Yu. V. Gamma spectra of ^{205}Bi, ^{206}Bi, ^{203}Bi, and ^{204}Bi, 24:18441
KOLOBANOV, V. V. Superconducting alloy 65BT, 21:7144
KOLOBASHKIN, V. M. End losses in filled counters, 21:32381 (AEC-tr-6719, pp 100-2)
  Geography of nuclear reactor sites, 21:32275 (AEC-tr-6719, pp 105-8)
  Global contamination of the atmosphere by ^{85}Kr from worldwide nuclear power plants and the radiation danger, 25:54781 (JPRS-53174)
KOLOBKOV, V. P. Spectral-kinetic characteristics of uranyl ion in glass, 24:30144
KOLOBOV, A. V. Effect of cystamine and magnesium on lambda phage induction by x rays, 22:47559
  Induction of intracellular development of bacteriophage lambda by mutagens, 21:20443
  Influence of γ radiation and uv light on lysogenic and nonlysogenic strains of E. coli, 25:44982
KOLOBOV, V. V. Ordering processes in MgCd and mechanical properties, 24:10105
KOLOBOVA, A. P. Latitude dependence of ionospheric parameters, 24:30217
KOLOBOVA, G. A. Calculation of the symmetric self-reverse contour of spectral lines considering the radial dependence of the plasma parameters, 22:52816
  Parametric description of an inhomogeneous, optically dense plasma. I, 21:20933
  Parametric description of an inhomogeneous, optically dense plasma. II, 21:20932
  Radial distribution of absorption and emission coefficients in optically dense plasma, 22:22173
KOLOBOVA, K. K. Analysis of ZrO$_2$ stabilized by Y and Sc oxides, 23:2215
KOLOBOVA, K. M. Electronic structure and interatomic bonds in some compounds and binary alloys, 23:34010
  Position of K-absorption edges of Fe in Fe—Al and Fe—Mo alloys, 25:5181
KOLOBOVA, N. E. Study of hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl-manganese tricarbonyls in acid media, 21:15910
KOLOCHKO, V. N. Low-frequency instability in inhomogeneous plasma, 24:35448
KOLODCHENKO, V. P. Methods for measuring infrared radiation of human skin, 22:49370
KOLODIE, L. Evolution of two chronic lymphoid leukemias in relapse after irradiation outside the body, 24:39581 (CEA-CONF-1450)
KOLODINA, N. S. Hydrogen isotopic exchange in five-membered aromatic heterocycles. IV, 24:41305
KOLODNEY, M. Apparatus for continuous oxygen monitoring of liquid metals, 22:21401
  Development of a continuous electrochemical meter for oxygen in sodium, 22:19196 (UNC-5131)
  Kinetics of interaction of tantalum disilicide with tantalum and other metals, 25:35577
  Mechanism of carburization of stainless steel in sodium as identified by a new carbon meter, 22:42947
  Prog. rpt. on fundamentals of oxidation protection of columbium and tantalum, semiannual, 10/67—4/68, 22:52133 (N-68-23469)
  Prog. rpt. on fundamentals of oxidation protection of Nb and Ta, semiannual, 4—10/68, 24:8056 (N-69-11038)
KOLODNEY, Morris Carburization of austenitic stainless steel by sodium, 23:45994 (ANL-7520(Pt.1), pp 104-9)
  Continuous carbon meter for sodium systems, 22:47430
  Device for measuring the carbon content of molten metal, 21:34241
  Electrolytic process for cleaning plutonium metal, 22:23749
  Plutonium etching process, 22:21668
  Plutonium etching, 22:23748

- KOLODNY, Gerald M. Patterns of protein synthesis in HeLa cancer cell, 23:31621
- KOLODNY, Howard Sjoegren's syndrome, 23:26846
- KOLODNY, Yehoshua Deposition of uranium in the sediment and interstitial water of an anoxic fjord, 25:48672 (CONF-700965-1)
  - Studies in geochemistry of uranium and phosphorites, 24:46350
  - Uranium isotopes in sea-floor phosphorites, 24:14062
- KOLODNYI, G. Ya. Optical spectra of Nd^{3+} in single crystals of scandium and yttrium oxides, 22:17802
- KOLODY, Daniel High gradient magnetic drift tube quadrupoles, 23:19031 (BNL-50120(Pt.1), pp 52-9)
- KOLODYNSKI, Jan Mutants in Saccharomyces cerevisiae. II, 23:24600
- KOLODZIEJ, Bruno J. Neutron activation analysis of manganese and sodium in bacterial cells, 25:10511
- KOLODZIEJCZAK, J. Optical properties of crystalline LaB$_6$, 23:30657
  - Some optical properties of boron, 23:51760
- KOLODZIEJSKI, R. Approximation better than the distorted waves approximation, 21:24925
  - Study of 1s—2s excitation of atomic hydrogen by slow electrons, 22:41337
- KOLOKOLOV, L. Variations of ionization in conjugate regions of F2 layer, 24:47147
- KOLOKOLOV, L. E. Continuous recording of critical frequencies of individual ionospheric layers, 25:22431
  - Magnetically conjugate regions in F2 layer, 24:30266
- KOLOKOLOV, N. B. Ambipolar plasma diffusion with recombination, 24:49140
  - Concerning the change in electron energy distribution in moving striations, 23:18631
  - Measurement of electron energy distributions in the presence of oscillations, 24:45224
- KOLOKOL'TSOV, N. A. Cascade rate functions for separating multicomponent isotopic mixtures, 25:10782
  - Designing multicomponent isotope separation cascades, 25:13179
  - Mass-diffusion mercury columns for isotope separation, 25:29277
  - Study of effective nonsymmetric multicomponent isotope separation cascades, 25:57670
  - Theory of asymmetric separation cascades with an arbitrary enrichment in the separation element, 25:54917
  - Theory of ideal nonsymmetrical separation cascades, 23:50044
  - Theory of separation cascades at high enrichments, 24:22911
- KOLOKOLTSOV, V. B. Relaxation processes during complex formation. I, 21:8247
- KOLOMAZOV, R. U. Radiation sorption of oxygen on cadmium sulfide, 23:4693
- KOLOMEETS, E. V. Anisotropy of cosmic rays and its variation during the cycle of solar activity, 22:21973
  - Cosmic-ray modulation spectrum in interplanetary space, 23:3304
  - Dimensions of the galactic cosmic-ray modulation region, 25:55901
  - Diurnal anisotropy during the solar activity minimum, 22:21975
  - Generation of cosmic rays during small chromospheric burst as a function of solar activity, 22:17429
  - Motion of charged particles in model of magnetosphere, 25:16978
  - Particle generation on the Sun during brightening and flares at various periods of solar activity, 22:21807
  - Periodic variations and their changes dependent on solar activity, 23:46326
  - Seasonal changes of the solar-diurnal and semidiurnal cosmic-ray variations, 21:39845
  - Sidereal diurnal variations of cosmic rays, 22:21950
  - Solar-diurnal variations of cosmic rays from the maximum to the minimum of solar activity, 24:49047
  - Stellar—diurnal variations in cosmic-ray intensity, 21:29060
  - Study of anomalies in cosmic-ray intensity during magnetic storms, 21:29052
- KOLOMEITSEVA, I. A. Activity of elements of the optical cortex in animals irradiated in embryogenesis, 25:11283
  - Role of embryonal trauma of the brain in the organization of epileptiform activity, 25:16352
- KOLOMENSKAYA, T. I. Distribution of radiation defects in silicon irradiated with fast charged particles, 25:43463
  - Energy spectra of radiation defects in Si, 25:7468
  - High-resistance areas in silicon irradiated with deuterons and α particles, 23:1548
  - High-resistance regions in silicon irradiated with protons, 22:26524
  - Temperature dependence of the threshold of the formation of radiation defects.in silicon irradiated with electrons, 22:15640
- KOLOMENSKII, A. A. Acceleration of electrons in circular phasotron, 21:9880
  - Cascade storage system, 22:32327 (CEAL-2000, pp A66-9)
  - Collective effects in accelerators, 25:12298 (CERN-Trans-70-7)
  - Collective effects in circular accelerators, 24:18318 (KFK-tr-302)
  - Development of Veksler's ideas in field of accelerators, 22:26754
  - Electron ring phasotron, 21:40320
  - FIAN electron circular synchrocyclotron. I, 22:32384
  - FIAN electron circular synchrocyclotron. XI, 22:32405
  - FIAN electron circular synchrocyclotron. VIII, 22:32408
  - FIAN electron circular synchrocyclotron. III, 22:32412
  - Influence of space charge on parametric resonance of betatron oscillations in accelerators, 23:5742
  - Influence of space charge on stability of betatron oscillations in cyclic accelerators, 25:17631
  - Instability of coherent beam oscillations in accelerators and storage rings, 21:29751
  - Investigation of auto-resonant particle acceleration by electromagnetic waves, 21:19109
  - Linotron, 22:32243 (CEAL-2000, pp 46-8)
  - Linotron: a short linear accelerator, 21:23387
  - Machine experiments on ring phasotron of Lebedev Physical Institute, 22:32303 (CEAL-2000, pp 419-22)
  - Radiation effects in the dynamics of relativistic electron rings, 25:33911 (UCRL-Trans-1435)
  - Stability of colliding beams, 22:18047
  - Startup of symmetric ring phasotron, 21:2561
  - Theory of cyclic accelerators, 21:17255
- KOLOMENSKII, A. V. Principles of calculating protection from space radiation, 21:16344 (JPRS-38272, pp 124)
- KOLOMEYETS, E. V. Cosmic-ray intensity and on the geomagnetic field, 23:51402
- KOLOMICHENKO, A. I. Effect of laser on skin of albino rats, 23:33867
- KOLOMIETS, A. A. Sensitivity of the method of switching off a single section in the strong-focusing channel of a linear accelerator, 25:22930
- KOLOMIETS, A. R. Determination of linear electron density in meteor trails, 21:29115
  - Relationship between E/sub s/ and sporadic meteors, 22:24113
- KOLOMIETS, B. T. Internal photoeffect spectral distribution in hexagonal selenium produced by uv and x-ray effects, 22:20077
- KOLOMIETS, K. D. Effect of γ-irradiation on soluble proteins of pea leaves, 22:23461
- KOLOMIETS, L. D. Oxidation of Mg and Mg—Be alloys in moist air and water vapor at high temperatures, 21:28723
  - Structure of uranium in thin films, 21:35229
  - Texture distribution along cross section of alpha- and gamma-deformed and quenched uranium rods, 21:9193
- KOLOMIETS, V. M. Contribution to the theory of nuclear reactions through isobaric analog states, 23:40126
  - Elastic scattering and radiative capture of protons, 25:31276
  - Excitation of isobar-analogue states in reactions of elastic scattering and radiation capture of protons, 23:28272 (ITF-68-84)
  - Radiative neutron capture by hole nuclei, 23:19185
  - Theory of nuclear reactions with allowance for radiative channels, 23:4081
- KOLOMIICHENKO, A. I. Effect of irradiation by optical quanta generators on the skin of the neck and laryngeal tissue of white rats, 25:16322
  - Effect of laser radiation on rats, 24:34739
- KOLOMIITSEV, M. S. Some anomalies in the operation of polymerized KY-2 and AB-17 ion-exchangers, 25:46305
- KOLOMIITSEV, O. P. Ionization rate in a quiet F2 layer in the south polar cap, 23:20794
  - Results of vertical ionospheric soundings at Vostok Station in 1960, 22:38963
- KOLOMIITSEVA, G. I. Use of satellite data for study of secular variations, 23:32255
- KOLOMIITSEVA, I. K. Effect of ecdysone on puparium formation in irradiated Ephestia kuhniella Z, 22:31147
  - Free radicals in lipids of irradiated rats, 21:34609
  - Investigation of causes of radiation disruption of pupation of Ephestia kuehniella larvae, 23:5012
- KOLOMINSKY, Jiri Dosage of radon baths in relation to the uricosuric effect, 21:16288
- KOLOMIYTSEV, O. P. Determination of ionization rate in F2 layer, 22:24116
  - Variations of the ionization rate, q(h), in the F$_1$-layer, 22:34462
- KOLOMIYTSEVA, G. I. Improvement of the analytical representation of secular variation, 22:34471
- KOLOMOITSEV, F. I. Effect of electron bombardment on luminescence of electroluminophors, 24:31411
  - Effect of electron bombardment on luminescence of ZnS—Cu phosphor, 25:8485
  - Electroroentgenoluminescence of a ZnS:Cu phosphor, 21:29378
  - Properties of CaF$_2$:Nd during x irradiation, 24:19973
  - Variations of nonadditivity of electro- and x-ray luminescence of ZnS:Cu phosphors, 24:15403
- KOLOMOITSEVA, L. F. Disintegration of supersaturated solid solutions of Al—W alloys, 24:14743
  - Effects of reheating on the structure and properties of fast cooling Al—Zr alloys, 24:10060
- KOLOM'SHCHEV, V. I. Approach to problem of coupling of Poincare group and an internal symmetry group, 21:33756
- KOLOMYTSEV, P. T. Phase composition and some properties of alloys of the system molybdenum—chromium—boron, 24:10183
- KOLONIN, Yu. G. Diffusion of Zr in Ag, 24:2934
- KOLONINA, L. I. Distribution of electric field along longitudinally blown arc in dc plasmatron, 22:4535
  - Distribution of electric field strength along the length of a longitudinal arc in a constant-current plasmotron, 21:41084
- KOLONITS, F. Steady-state thermal stresses in the vessel of a pressurized water reactor, 23:26421
- KOLONTSOVA, E. V. Defect structure of γ- and x-irradiated alkali halide crystals, 24:35532
  - Double Bragg reflection in neutron-irradiated Li fluoride single crystals, 24:45328
  - Small-angle x-ray scattering from neutron-irradiated single-crystal lithium fluoride, 24:24129
  - Structural changes in quartz during the $\alpha \rightarrow \beta$ transformation and during neutron irradiation, 21:18813
- KOLOPUS, J. L. Defect luminescence in irradiated MgO, 25:7458
  - ESR of Pb^{3+} centers in ThO$_2$, 24:51798
  - Radiation effects and oxygen vacancies in silicates, 24:28428
- KOLOPUS, James L. Correlation of optical and electron-spin-resonance absorptions of H center in KCl, 21:16982
  - ESR studies of radiation-damage centers in Ba sulfide, 23:8681
- KOLOS, W. Polarizability of the hydrogen molecule, 21:13399
  - Recursive evaluation of some atomic integrals, 21:39820
  - S-wave cross section for D(p,γ)^{3}He, 22:9047
  - Some accurate results for three-particle systems, 24:19731
  - Theoretical investigation of lowest double-minimum state E, F $^1\Sigma$/sub g/$^+$ of H molecule, 23:27337
- KOLOSKOV, A. S. Dual mass spectrometer with an inhomogeneous magnetic field, 21:43304
- KOLOSKOV, B. V. Heat release distribution in fast reactors with absorber rods, 22:10014 (ANL-Trans-542)
  - Study of the heat-release distribution in fast reactors with absorber rods, 22:35551
- KOLOSKOV, I. A. Leaching on ^{90}Sr from some soils and grounds, 22:18920
- KOLOSKOV, V. V. Linear proton accelerator I-2. VI, 22:32400
  - Linear proton accelerator I-2. VII, 22:32416
- KOLOSKOVA, V. G. Effect of different lattice defects on the mobility of dislocations in alkali halide crystals, 21:11712
- KOLOSNITSIN, N. I. Calculations of magnetogasdynamic flow in channels, 25:55935
- KOLOSNITSYN, N. I. Theory of magnetogasodynamic flow, 21:5124
  - Transition through sound velocity in MHD channel of constant cross section, 21:35070
- KOLOSOV, A. V. Electron density in plasma produced by beam of fast electrons, 22:44106
  - Measurement of the electron concentration in a plasma formed by a fast electron beam, 22:44102
- KOLOSOV, B. I. Calculation of two-dimensional reactors by multigroup eigenfunction method, 23:15715
  - Comparison of the point and space kinetics models in a uranium—hydride reactor, 24:43844 (FEI-177)
  - Investigation of two-region systems by pulsed neutron, 24:33496
  - Method of successive approximations as applied to a solution of the partial problem of a nuclear reactor spectrum, 23:19550 (FEI-118)
- KOLOSOV, M. A. Characteristics of ionosphere using coherent radio signals from Luna 14, 25:40461
- KOLOSOV, N. P. Analysis of neutron energy dependence of anti τ, on basis of energy balance in nuclear fission, 25:15117
- KOLOSOV, V. I. Automating a 2-GeV electron linac, 25:14852 (SLAC-Trans-126)
  - Beam-shaping system for a 2-GeV electron accelerator, 24:1709
  - Concerning ways to stabilize basic parameters of beam of linear accelerator of electrons with energy 2 GeV, 24:47531 (KHFTI-69-20)
  - Structure of electron bunches from an injector with stepped variation of the wave phase velocity, 25:17614 (SLAC-Trans-127)
  - Structure of electron clusters in an injector with a step-like varying wave phase velocity, 25:28112 (KHFTI-70-17)
- KOLOT, V. Ya. Effect of oxygen pressure on the oxidation process of tungsten, 24:6171
  - Investigation of oxygen adsorption on a molybdenum surface by means of secondary ion—ion emission, 25:52353
  - Molybdenum cleaning from carbon impurity by secondary ion emission method, 24:42081
  - Oxidation of tungsten at room temperature, 23:24807
  - Oxidation of W by method of secondary ion—ion emission, 23:44523
  - Sputtering probability of secondary W oxide ions with Ar$^+$ ions, 23:41922
- KOLOT, Z. M. Determination of maximum electric field in disk-loaded wave-guides in E$_{01}$ mode, 24:45656 (SLAC-Trans-118)
  - Dispersion characteristics of circular iris-loaded waveguide, 25:50580
  - Influence of radial slots in iris disk of waveguide on dispersion properties and quality factor of system of axially-symmetric and nonaxially-symmetric waves, 25:12306 (KFK-tr-334)
  - Problems of beam optics in multisection 2-GeV electron Linac, 25:17615 (SLAC-Trans-128)
- KOLOTI, V. V. Level density and strength functions of some deformed nuclei, 22:27220
- KOLOTII, I. I. Action of radiation on electrical-engineering porcelain, 24:14997
- KOLOTILOVA, V. G. Assessment of the tissue-equivalence of substances in the region of x-ray irradiation, 22:45544
  - Combined detectors in clinical dosimetry, 22:38296
  - Dose fields of ^{60}Co gamma radiation in surface layers of tissue-equivalent substance, 21:45629
  - Features specific to dosimetric characteristics of sources of long-wave roentgen radiation, 23:29511
  - Radioprotective properties of dibromhydrate of bis(2-aminoethyl)disulfide in range of long-wave x-rays, 25:32454
  - Tissue equivalent scintillators in radiommetry of long wave x radiation, 25:55213
  - Use of plastic scintillators in x-ray dosimetry, 25:11072
- KOLOTYI, V. V. Determination of total scattering cross sections of thermal and epithermal neutrons by some rare-earth elements, 22:35340
  - Measurement of the scattering cross sections of thermal and epithermal neutrons on erbium isotopes, 22:11958
  - Measurement of tritium neutron cross section in energy range 0.007 to 5 eV, 22:11896
  - Reduced distances between levels of some isotopes, isobars, and isotones in region of deformed nuclei, 22:42090
  - Slow neutron scattering by isotopes of Er, 22:35339

KOLOTYRKIN, V. M. Formation of thin films from bis-(methylallyl)-bis-(dimethyl)-cyclotetrasiloxane [diallylhexamethylcyclotetrasiloxane] by electron bombardment, 23:28890
  Kinetics of the formation of polymer films from the gaseous phase under the electron bombardment of metal surfaces, 22:42769
KOLOUSEK, J. Changes in the number of bone marrow cells, 25:11288
  Excretion and utilization of ^{32}P and ^{45}Ca in irradiated rats, 22:51482
  Immune response and pyrrole levels in rat sera, 24:21088
  Influence of x-radiation, methioninesulphoximine, burns, and cytostatic agent TS 160 (Spofa) on the urinary excretion of inorganic phosphates and ammonia, 21:24356
  Urinary excretion of ^{32}P, 21:12777
KOLOVANDIN, B. A. Investigation of MHD flows by induction anemometer, 21:7070
  Laminar flow of a conducting liquid in an open channel, 22:21997
  Turbulent flow of an electrically conducting fluid with a free surface in the presence of overlapping magnetic and electric fields, 22:22001
KOLOWITH, R. Fast Flux Test Facility closed loop development and testing program, 23:11274 (BNWL-852)
  Sealing mechanisms for FFTF closed loop and open test position closures, 24:1983 (BNWL-1069)
KOLOWOS, I. New reagnet for fluorometric determination of Tb(III) and Dy(III) in aqueous solution, 23:70
KOLPAGIU, M. K. Ultrasonic attenuation in current-carrying superconductors, 24:32799
  Ultrasonic attenuation in dirty two-band superconductors with persistent currents, 24:10460
KOLPAKOV, A. O. System for accelerating an ion-loaded electron ring, 23:34688 (UCRL-Trans-1394)
KOLPAKOV, A. V. Correlation properties of gamma beams in the x-ray band, 22:24037
  Scattering of Moessbauer lines by crystals, 21:11711
  Scattering of the bremsstrahlung by the Moessbauer nuclei, 25:36346
KOLPAKOV, I. F. Input device for the spectrometric system of semiconductor detectors, 21:45402
  Time-of-flight and coordinate measurements in a 130 cm scintillation counter, 25:4318 (JINR-E1-5098)
  Use of tunnel diodes in instruments for nuclear physics, 23:31588
  Use of tunnel diodes in nuclear physics instrumentation, 22:10668
KOLPAKOV, O. A. Accelerating system of the ion loaded electron ring, 23:13148 (JINR-P9-4171)
KOLPAKOV, P. E. Electromagnetic acceleration of charged particles in nonstationary sunspot magnetic fields, 24:25906
  Variation of magnetic fields of sunspots in time, 23:6846
KOLPAZHIU, M. K. Critical current in two-band superconductors, 24:26099
  Current flow in a single zone superconductor with paramagnetic impurities, 24:6203
  Effect of paramagnetic impurities in superconductors with current, 24:8408
  Electromagnetic properties of superconducting thin films with paramagnetic impurities, 24:47171
KOLSOV, V. V. Irradiation stability of arbus nuclear reactor fuels, 22:35478
KOLSRUD, M. Polarization in high-energy electron-proton scattering, 22:17903
KOLSRUD, Marius Prog. rpt. on variational methods for scattering problems, 12/22/65, 21:34021 (AD-637700)
  Radiation from a classical spinning electron, 24:30484
  Solution of Dirac's equation with Coulomb potential, 22:9546
KOLSTAD, P. Oxygen breathing during radiotherapy of cancer of cervix, 23:41352
KOLSTAD, Per Intercapillary distance, oxygen tension, and local recurrence in cervix cancer, 23:43841
KOLSTO, Elliot L. IBM 1403 printer modifications for computerized braille output, 25:54340 (ANL-7812)
KOLTAN, L. Chemical effect of hot atoms of hydrogen on isopropyl ether, 22:23075
KOLTASHKINA, S. F. Photometric extraction method for determining small amounts of Nb in steel, 22:6275
KOLTAY, E. Effective length of asymmetrized quadrupole lenses, 24:13238
  Electrode system of improved stress uniformity for pressurized Van de Graaff generators, 21:7595
  Electrolytic trough measurements concerning the electrostatic field of pressurized Van De Graaff generators, 22:9725 (LB/G-2577)
  Lens characteristics for electrode systems used in acceleration tubes. II, 22:26750
  Neutral atom component of high frequency ion source beam, 25:45854
  Particle trajectories in inclined-field acceleration tubes of minimum section length, 23:13153
  Third-order theory of asymmetrized quadrupole lenses, 24:3816
  Van de Graaff generator of the ATOMKI, 24:38001
KOLTAY, Ede Field of asymmetrized quadrupole lenses, 24:38008
  Measurement methods in nuclear physics, generation, and detection of radiations, 25:23814
  Particle trajectories in inclined field acceleration tubes of minimum section length, 23:21195
  Spray current regulating system for slow voltage-stabilization of Van de Graaff generator, 21:42499
  Spray current stabilizer circuit for pressurized van de Graaff generator, 25:20222
KOLTENBAH, David E. System for direct measurement of atomic lifetimes, 25:24865
KOLTERMANN, M. Mixed ceramic materials based on molybdenum with oxide spinel bonds, 24:48879
KOLTSOV, G. I. Silicon detectors for recording pulsed beams of gamma radiation, 23:11769
  Time resolution of semiconductor gamma detectors, 22:43073
KOLTSOV, V. B. Paramagnetic resonance of copper atoms stabilized in alkali metal halide crystals, 22:22219
KOL'TSOV, Yu. I. Mechanism of the extraction of tantalum and niobium from hydrofluoric acid solutions using tributyl phosphate, 23:31410
  Reaction of niobium and tantalum chlorides with tributyl phosphate in the presence of water, 23:31411
KOLTUN, D. S. Absorption of s-orbit π^- mesons by ^4He, 22:24822
  Nonperturbative calculation of nuclear matrix elements from two-nucleon phase shifts, 21:44754
  Relations among shell model spectra including many-body effective interactions, 24:43555
  Theory of pion absorption applied to the reaction $^6Li(\pi^-,2n)^4He$, 21:23434
KOLTUN, Daniel S. Absorption of S-orbit π^- mesons by ^4He, 22:1442
  Absorption of s-orbit π^- mesons by ^4He, 22:5755 (TID-24141)
  Effective interactions in nuclei, 23:47065
  Effective interactions in nuclei and two nucleon scattering, 22:39698 (UR-875-234)
  Effective-interaction theory of nuclear spectral relations. I, 24:15982
  Effective-interaction theory of nuclear spectral relations. II, 25:34013
  Interaction of pions with nuclei, 25:56873
  Theory of angular correlations for two nucleons emitted in the nuclear absorption of slow pions, 21:46813
  Theory of pion—nucleus scattering lengths, 24:6969
KOLTUNOV, V. S. Kinetics of reduction of Pu(VI) by nitrous acid to pentavalent state, 23:21685
KOLYADA, N. S. Formation of complexes of uranyl and lanthanum ions with Arsenazo III in perchlorate solutions, 24:33678
  Protolytic equilibrium of phenosafranine in nitric acid solutions of uranyl nitrate, 21:19624
  Reaction of uranyl nitrate with arsenazo III in nitrate solution, 25:34524
  Spectrophotometric investigation of complex formation in the system uranyl nitrate—nitric acid—water, 25:34564
KOLYADA, V. M. Dosimetry of neutron radiation from reactor, 24:33830
  Experimental study of irregularity in thermal neutron flux at surface of absorbing material by means of a calorimetric device, 21:39194
  Perturbation of neutron fluxes by absorbing materials, 24:33831
  Quasi-stationary calorimetric method of dosimetry of powerful fluxes of ionizing irradiations, 21:22180
  Radiation sputtering of a single crystal of gold by fast neutrons, 22:44237
  Radiative dispersal and damage to metals in radiation field. I, 24:32476
  Radiative dispersal and damage to metals in radiation field. II, 24:32475
  Radiative sputtering of copper single and polycrystals in the radiation field of a nuclear reactor, 24:3453
KOLYADA, Yu. E. Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
KOLYADIN, A. B. Electrophoresis filter for purifying reactor water, 22:20915 (ZFK-RN-31, pp 110-21)
KOLYADIN, A. V. Electrophoretic filter for purifying reactor water, 21:10207
KOLYADIN, N. M. Calculation of the electromagnetic parameters of magnetic systems with right-angle coils, 23:46335 (IAE-1716)
KOLYADIN, V. I. Loop for radiation study of electrical conductivity of materials in the VVR reactor, 25:28765
KOLYAKOV, V. L. Protection of animals against injury by nuclear weapons, 25:58026
  Veterinary-sanitation assessment of radiation injury effects on animal breeding, 22:45537
KOLYBASOV, V. M. Comparison of absolute values of cross sections for reactions $^{12}C(\pi^-, \pi^-n)^{11}C$ and $^{12}C(\pi^+, \pi^+n)^{11}C$, 22:35226
  Diagram approach to polarization effects in the stripping and pick up reactions, 25:20533
  Identification of the mechanism of straight processes with the formation of three particles, 23:4044 (ITEF-591)
  New data on the interaction of high-energy protons with carbon nuclei, 21:17306
  Polarization effects in direct nuclear reactions with the formation of three particles, 23:4045 (ITEF-605)
  Polarization effects in direct nuclear reactions involving three particle production, 23:13319
  Reactions $(\pi,\pi N)$ on light nuclei, 24:1765
  Reactions of (p,pd) type, 23:10932
  Relation of Treiman—Yang angle to azimuthal angle in nuclear knockout reactions, 25:25808
  Theoretical analysis of knock-out reactions, 21:27658
  Theoretical analysis of knocking-out reaction, 21:21577 (NP-16448)
  Theoretical approach to (p,2p) reactions on light nuclei, 24:1872
  Theory of $(\pi^+,2p)$ reactions on light nuclei, 24:38126
  Three-particle knock-out reactions with polarized targets, 22:5909
  Treiman—Yang criterion for particles with spin, 21:4040
  Treiman—Yang test and triangular graphs, 21:17065
KOLYCHEV, B. S. Handling of radioactive wastes at Soviet atomic power stations, 23:40969 (JPRS-48229)
  Incorporation of radioactive wastes into bitumen, 23:43388
  Radioactive waste handling at Soviet atomic power stations, 23:28981
  Radioactive waste management in USSR, 22:21300
  Treatment and burial of low- and intermediate-level radioactive waste in the ussr, 25:21114
KOLYCHEV, V. B. Some expansion of the relative absorption theory with hexavalent uranium in aceto-nitrate solutions used as an example, 21:8250
  Studies on mixed hydroxyacetatouranyl compounds in aqueous acetate—nitrate solutions, 24:39019
KOLYKHAN, L. I. BRG-30 experimental power installation with gas-cooled fast neutron reactor and dissociating heat transfer medium, 25:34323 (JPRS-53069, pp 166-75)
  BRG-30 experimental power plant with a gas-cooled fast reactor and a dissociating coolant, 25:48240
KOLYSHKIN, V. I. Inversion symmetry of optical centers in diamond, 25:40776
KOMABAYASI, M. Concentrations of chloride and deuterium in rainwater, 21:22045
  Physical study of solid precipitation from convective clouds over the sea. I, 21:16019
KOMAC, M. Determination of heats of oxidation of uranium sulphides, 22:4149
  Magnetic susceptibility of boron nitride, 25:12010
  NMR investigation of hydrated uranium dioxide, 22:14479 (NIJS-R-509)
  Phase relationships and crystal chemistry in systems US—CaS, US—SrS, and US—BaS, 25:43002
  Proton spin—lattice relaxation in paramagnetic solid $UO_2.xH_2O$, 24:37575
  Synthesis and reactivity of uranium monosulfide, 24:13798 (IJS-247)
  Synthesis of uranium sulfides from the elements, 23:11527
KOMAC, Milos Investigation of the systems of uranium monosulfide with some alkaline earth sulfides, 25:34603 (IJS-263)
  Sol-gel process for the preparation of nuclear fuel, 22:47698
  Synthesis and reactivity of uranium sulfides, 24:16484 (IJS-248)
KOMADA, H. Analysis of light elements using primary x-ray by proton excitation, 24:31231
KOMAI, Kenichiro Detector for a charged-particle beam, 21:2567
  Device for transferring used fuel, 21:4417
  Electrical bilateral servomechanism, 21:3234
  Linear accelerator for charged particles, 21:2579
  Neutron generator, 21:4191
  Scanning device for a charged-particle beam, 21:2578
KOMAKI, K. Channeling effects in blocking phenomena, 25:25216
  Channeling of 1.5-MeV protons in alkali-metal halide crystals, 24:21877
  Effect of compound nucleus on blocking phenomena for energetic charged particles, 23:42409
  Effects of crystal surface and imperfections on channeling phenomena of protons, 25:43461
  Measurement of nuclear reaction times by the use of the blocking effect, 24:52493
  Temperature and energy dependences of axial channeling of protons in silicon crystals, 25:52909
  Temperature dependence of dechanneling coefficient in protons in silicon crystals, 25:11969
  Temperature effects on channeling of protons in silicon crystal, 23:32573
  Variation of the planar blocking with the position of emitting atoms, 24:45339
KOMAKI, Ken-ichiro Plasma oscillations excited by a fast electron in a metallic particle, 23:7018
  Reaction time measurement by using blocking effects in single crystals, 24:20347 (JAERI-1184, pp 141-5)
KOMAKI, Senichiro Effect of Tathion on excretion of ^{203}Hg—MHP in kidney, 25:13341
KOMALA, Zofia Behavior of Paramecium jenningsi under sublethal dose of x-rays, 24:51021
  Influence of x-rays on paramecia, 23:33819
KOMAR, A. Superluminal behavior, causality, and instability, 23:42729
KOMAR, A. A. Electromagnetic processes and integer quark charge, 21:15379
  Mass spectrum of infinite-dimensional relativistic wave equations, 24:30574
  Prospective studies of elementary particle interactions in accelerators, 24:22043
  Strong interactions and symmetry, 22:9659
  XII international conference on high energy physics, Dubna, 8/64. II, 21:40142
KOMAR, A. P. Bremsstrahlung from 7- to 10-MeV electrons in thin Si crystals, 25:59149
  Bremsstrahlung of relativistic electrons in crystals, 25:45530
  Channeling of electrons in thin single crystals of copper, 23:14880
  Composition and excitation energy of fissioning nuclei in irradiation of ^{209}Bi and ^{197}Au 1 GeV photons, 25:10037
  Cross sections for photoneutron reactions on ^7Li, 21:21470
  Cross sections of ^{40}Ca photoneutron reactions, 21:1049
  Electron focusing in thin single-crystal copper films, 21:2059
  Energy and angular distributions of photoprotons from the nucleus ^{40}Ca, 21:33941
  Formation of $N^*(3,3)$ isobars in $\pi^- p \rightarrow \pi^+\pi^- n$ reaction, 23:30712
  Ionization fluctuations and resolution of ionization chambers and semiconductor detectors, 21:10659
  Lifetimes of excited states from α decay of ^{223}Ra and ^{211}Bi, 24:52612
  Light nucleic yield at ^{235}U fission induced by thermal neutrons, 23:49410
  Mass and energy distributions of photofission fragments of ^{238}U, ^{209}Bi and ^{197}Au nuclei, 23:15434 (UCRL-Trans-1383)
  Mass- and energy-distributions of fragments at photofission of ^{238}U, ^{209}Bi, and ^{197}Au nuclei, 23:47022
  Method of measuring the polarization of an oriented hydrogen target, 25:36645
  Microtron type electron accelerator, 25:28136

New type of quantometer (Gauss quantometer) for measuring bremsstrahlung beam energies, 21:14446
Phase holograms of bubble and emulsion chamber tracks and the possibilities of processing them, 21:45406
Photodisintegration of ^{16}O, 22:29919
Photodisintegration of ^{6}Li, 21:21468
Photodisintegration of the ^{16}O nucleus, 21:19184
Quantameter, 24:35773
Reaction $\pi^-p + \pi^+\pi^-$ main production properties of N*(3/2,3/2)-isobar state, 24:3546
Resonance buildup of radial oscillations of electrons in a betatron, 22:29817
Sensitivity of a quantometer at energies from 0.6 to 1.5 GeV, 23:33482
Splitting of ^{7}Li nucleus at inelastic scattering of γ quanta, 24:22090
System for photography in bubble chambers with small inspection windows, 22:30864
KOMAR, Arthur Analytic continuation and global theorems in general relativity, 21:7418
Conservation of e/m in general relativity, 25:30998
General relativistic thin-sandwich theorem, 24:20236
Gravitational superenergy as a generator of canonical transformation, 22:11731
Hamilton—Jacobi functional for general relativity, 24:37909
Hamilton—Jacobi quantization of general relativity, 21:15242
Hamilton—Jacobi version of general relativity, 22:37195
Quantization of gravitation, 25:53332
Quantization program for general relativity, 24:43040
KOMAR, Arthur B. General relativity. final technical report, 24:30578 (AD-684586)
KOMAR, E. G. Accelerators for use in medicine, industry, and agriculture, 25:53402 (A/CONF.49/P-442)
Electrophysical apparatuses. IV, 22:15900
Engineering problems on Serpukhov accelerator, 23:27971
Superconducting synchrotron on the basis of a magnet system with stationary field, 24:26543 (KFK-tr-307)
KOMAR, I. N. Structure and stabilities of free radicals formed in γ-irradiated glycine, 25:18478
KOMAR, K. Determination of niobium in high-alloy steel, 23:7486
KOMAR, V. E. Effect of x-irradiation on protein synthesizing system, 24:14432
KOMAR, V. P. Change of properties of potato starch irradiated with ^{60}Co γ rays, 21:371
Infrared spectra of insoluble products from starch irradiated with gamma radiation, 24:31412
KOMAR, V. Ya. Some aspects of elaborating equipment for intracavitary irradiation of malignant neoplasms, 24:12203
KOMAREK, A. Development of atomic energy in Czechoslovakia, 23:11166 (KFK-tr-274)
Operational safety of pressure vessels at Czechoslovak nuclear power stations, 22:30804
Prospects of heavy-water reactor development in Czechoslovakia, 22:30231
KOMAREK, Arnost Czechoslovak way of development of nuclear power engineering, 23:26001 (ZJE-35)
Economically effective atomic power system, 23:26054
Economically effective atomic power system, 24:18546
KOMAREK, E. E. Multiple source and mask work table for vacuum evaporation, 21:13129 (SC-TM-346-63(14))
KOMAREK, P. Applied magnetohydrodynamics. III, 22:31673 (JUL-510-TP)
Applied magnetohydrodynamics. No. 4, 23:36551 (JUL-580-TP)
Applied magnetohydrodynamics. V, 25:24939 (JUL-689-TP)
Cross section for excitation of characteristic x radiation by α-particle bombardment. II, 23:41925
Determination of geometry factor, 21:41231
Experiences and experimental results with the closed-loop ARGAS I, 24:37295
Present state of costs for large superconducting magnets and their future prospects, 25:30441 (EUR-4593, pp 117-24)
KOMAREK, Peter Experimental determination of effective cross section for excitation of characteristic x radiation in bombardment with α particles, 22:52525
KOMAREVSKII, S. K. Nonisothermal superconducting bolometer. II, 25:58952
KOMARNITSKII, G. M. Geochemistry of uranium in granitoids of the Upper Kondoma massif (Gornaya Shoriya), 21:8439
KOMAROV, A. N. Abundance and distribution of uranium in some minerals and rocks, 21:36116
Nuclear reactions in tellurobismuthite, 21:43051
Occurrence form of uranium in micas, 21:4632
Paleothermometry by tracks of fission fragments of U in minerals, 22:10402
Radiographic study of uranium-containing pyrites, 25:29231
Uranium content and distribution in ultra-basic and basic rocks by recording technique of induced U fission fragment tracks, 23:15814
Xenon and krypton isotopes in some stony meteorites, 22:34161
Xenon and krypton isotopes in stony meteorites, 21:22029
KOMAROV, E. Radiation-induced carcinogenesis, 24:34723
KOMAROV, E. V. Activity coefficients of uranyl nitrate in aqueous solution at 10 to 50°C, 25:15634
Complexing of Np(VI) with fluoride ions in $HClO_4$ solutions, 23:13733
Complexing of Pu(VI) with fluoride ions in $HClO_4$ solutions, 23:13734
Complexing of U(VI) with fluoride ions in $HClO_4$ solutions, 23:13735
Distribution of metal ions in extraction systems with monoaryl- and monoalkyl-phosphoric acids, 25:15742
Influence of nature, size, and symmetry of molecules on equilibrium of chemical reactions. III, 23:17434
Influence of properties, dimensions, and symmetry of molecules on equilibrium of chemical reactions. IV, 23:13737
Investigation of complex formation of Pu^{4+} with fluorine ions in solutions of $HClO_4$ by method of ionic exchange, 23:28838
Investigation of complex formation of Pu^{4+} with fluorine ions in solutions of HNO_3 by method of ionic exchange, 23:28837
Investigation of the complex formation of Np(IV) with fluorine ions in HNO_3 solutions by the method of ionic exchange, 23:43316
Investigations of complex formation of Np^{4+} with fluorine ions in solutions of $HClO_4$ by method of ionic exchange, 23:28836
Particle charge magnitudes determined by means of swelling ionites. I, 21:8248
Use of cryoscopy in eutectic ice: electrolyte for investigation of polymerization and complex formation of ions of zirconium and U(VI) in aqueous solution, 22:18780
KOMAROV, I. V. Population of excited states in ion—ion recombination reaction, 24:23773
KOMAROV, L. S. Production of short pulses of accelerated electrons and the registration of their moment of exit from linear accelerators, 21:1004
KOMAROV, N. S. Electron densities in atmospheres of metallic-line stars, 21:16679
Kinematic and morphological properties of stars with enhanced metal lines, 21:33084
Spectral energy distribution of eight stars, 25:6938
Stellar energy distribution at infrared wavelengths, 22:45890
KOMAROV, O. K. Production of high-quality zirconium concentrate, 25:42825
Production of technical grade of ZrO_2 by a calcination—magnetic process, 25:37997
KOMAROV, O. L. Calculation of the internal structure of non-laminar axially-symmetric intensive beams of charged particles, 25:36609 (NP-18860)
Choosing and calculating focusing system of 30 MeV linear induction accelerator, 25:31039 (JINR-P9-5714)
Focusing of high-current electron beams in linear induction accelerators, 25:56608
Internal structure of intense flux charged particles, 25:33896 (NP-tr-1933)
KOMAROV, O. V. Loop channel cells with highly enriched fuel elements, 24:50194
KOMAROV, P. N. Radiation-chemical oxidation of butanol, 21:12477
KOMAROV, V. A. K-meson absorption on nuclear surface, 25:53683
Spectroscopic factors of 2p transitions in the reaction (d,p) on nuclei of mean atomic weight, 23:13233
KOMAROV, V. E. Apparatus for studying the dynamics of condensed systems using a back-scattering method, 25:29362
Decomposition of uranyl chloride and its interaction with dioxide of U in melt NaCl—KCl, 21:17618
Influence of fluoride ions on the process of electrolytic precipitation of uranium dioxide from molten salts, 22:33313
Interaction of U(IV) with chloride—fluoride melt NaCl—KCl—NaF, 21:10325
Investigation of water molecules dynamics in crystallohydrates by inelastic neutron scattering, 22:38719 (INP-601/PS)
Tetrafluoride complex of uranyl in NaCl—KCl—NaF melts, 22:8078
Uranium precipitation on a cathode from fluoride—chloride melts, 21:19610
KOMAROV, V. F. Problem of the origin of the irradiation effects on the rate of thermal decomposition of ammonium perchlorate, 21:3093
Thermal decomposition of ionic salts at the moment of x-ray irradiation, 22:18847
Thermal disintegration of ammonium perchlorate during x-irradiation, 22:47173
KOMAROV, V. H. Distribution of metal ions in extraction systems with monoaryl- and monoalkyl-phosphoric acids, 25:15742
KOMAROV, V. I. Dosimetric characteristics of medical proton beam, 25:52074
Elastic backward scattering of fast protons by light nuclei, 25:25300
Elastic p—^{4}He backward scattering at 665-MeV proton energy, 23:30700 (SLAC-Trans-95)
Elastic scattering of fast protons by light nuclei, 24:24503 (JINR-P1-4876)
Fast ^{3}He-nucleus production on light nuclei under 665-MeV proton beam bombardment, 23:25812 (JINR-P1-4373)
Knock out of fast ^{3}He and ^{4}He fragments from light nuclei by 665-MeV protons, 24:30715
Knock-out of fast ^{3}He fragments from light nuclei by 665-MeV protons, 23:49329 (BNL-tr-281)
Method for detecting muons stopping in the gas filling an isotropic discharge chamber, 21:16111 (CONF-660918-, pp 79-81)
Method for detecting muons stopping in the gas of an isotropic discharge chamber, 21:17877
Probability of emission of heavy charged particles during capture of μ^- mesons by neon nuclei, 23:5862
Probability of heavy charged particle emission in negative muon capture by neon nuclei, 22:24836 (JINR-P1-3721)
Proton beams for medico-biological investigations, 23:30890
Quasielastic scattering of 665 MeV protons on alpha-particle clusters in light nuclei, 23:19157 (JINR-P1-4227)
Quasielastic scattering of 665-MeV protons by α-particle clusters in light nuclei, 23:49330 (BNL-tr-282)
KOMAROV, V. L. Arc ion source with cold cathode with electron oscillation in magnetic field, 24:45683
Duoplasmatron parameters for optimum positive or negative ion yield, 25:33941
High-frequency source of heavy ions, 25:55817
Ion source of duoplasmatron type, 24:45681
Ion-beam apparatus, 25:43747
Negative hydrogen ions source, 24:45674
Rf ion source of heavy elements, 24:45686
KOMAROV, V. N. Cross sections of inelastic interaction of pions with nuclei, 23:25528
KOMAROV, V. S. Concentration of uranium by living and dead peat-forming plants, 25:13116
Estimation of age of uranium-bearing hydromorphous soils on the basis of ionium accumulation, 23:35335
Evaluation of ages of U-bearing hydromorphic soils, 24:31474
KOMAROV, V. V. 1.67 MeV level in ^{9}Be, 25:25649
1.67-MeV level in ^{9}Be, 24:38094 (ANU-P-486)
Angular correlation of nucleons generated during reactions of decaying deuterons, 25:28487
Automatic precise field measurements in magnets of IHEP accelerator, 24:37983 (CERN-Trans-70-4)
Convergence of infinite series of nonrelativistic contributions for (n—d) scattering amplitude, 25:28166
Deuteron decay in the field of the nucleus, 21:4351
Energy distribution of α-particles in $p + {}^{11}B \rightarrow 3\alpha$ reaction, 25:28184
Integral equations for the nonrelativistic scattering amplitudes, 23:15284
Method of summation of diagrams in application to simple reactions involving deuterons, 21:29564
Operator formalism method for summation diagram, 24:52221
Resonance narrowing effect in two-particle interactions, 25:28497
Scattering amplitude of four non-relativistic particles, 21:4352
Theory of many-particle scattering, 24:10856
Topography of magnetic field at 70-GeV accelerator, 25:9906 (IFVE-SKU-69-95)
Two methods for resolving the nonrelativistic three-body problem, 22:48383
Two-particle resonance narrowing in three-particle nuclear reactions, 24:22200
KOMAROV,V. I. Elastic pHe^{4} backward scattering at 665 MeV proton energy, 22:20124 (JINR-P1-3720)
KOMAROVA, G. N. Protection of B carbide against oxidation and reaction with various materials at 1200°C, 21:13232
KOMAROVA, G. V. Genetic interpretation of epigenetic alterations in sedimentary rocks, 24:46373
KOMAROVA, I. V. Calculation and optimization of the demineralization of water for reactors by ion exchange, 25:54737
KOMAROVA, L. A. Changes in animals with effect of microwave, 23:48220
Changes in arterial pressure and external respiration of animals when subjected to an ultra-high frequency electromagnetic field (microwave), 25:21846
Mechanism of the effect of ultrahigh frequency electromagnetic field, 24:46652
KOMAROVA, L. I. Production of graft-polymerized materials by radiation-polymerization from gas phase, 25:21029
KOMAROVA, S. A. Investigation of system Ta—V—Nb, 22:52202
Low-temperature modification of molybdenum carbides, 24:27887
KOMAROVA, S. N. Numerical analysis of field of bubble chamber magnet, 23:6311 (JINR-P13-4134)
KOMAROVA, Yu. P. Optimal time of using a radioisotope source of radiation in nondestructive testing, 25:57697
KOMAROVSKAYA, N. V. Inelastic collisions of atoms, 23:41979
Influence of nonelastic collisions upon transfer phenomena in hot gases, 22:36903
Level populations and inelastic losses in a two-temperature plasma, 21:37476
KOMAROVSKII, A. N. Construction of nuclear installations, 25:28531
Design of nuclear plants, 22:10013 (AEC-tr-6722)
Prestressed ferro-concrete for construction of nuclear reactors, 23:21474
Prestressed reinforced concrete in construction of nuclear installations, 24:11200 (JPRS-49481)
Shielding materials for nuclear reactors, 24:34984
KOMAROVSKII, V. A. Oscillator strengths of Eu I spectral lines, 23:8436
Oscillator strengths of spectral lines of Tm I and Yb I, 24:23742
Relative values of oscillator strengths of spectral lines, 25:27445
KOMATA, Masaoki Applying coupled reactor theory to time-dependent multi-region system, 21:40603
Avery's coupled reactor kinetics equations, 24:4139
Explanation of bilinear perturbation theory by variational principle, 24:33509
Investigation of bilinear formulations for cross-section averaging, 25:41190
Qualitative evaluation of fast reactor melt-down accidents, 24:22484
KOMATA, Toranosuke Experimental studies of new superconducting Ti—Nb—Ta alloy wires, 22:7230
KOMATSU, Akitoshi Processing of Ta metal, 23:15957
KOMATSU, Junji In-pile fission gas release from UC, 25:40121
Research and development of fuel for liquid metal fast breeder reactor, 24:31074
KOMATSU, Sugao Studies on protection against x rays in urological practice, 21:1758
KOMATSU, Sumio Volumetric determination of iodide ion with Hg-EDTA, 24:41204
KOMATSU, T. Development of mechanical sodium pump, 24:52894
KOMATSU, Tsuyoshi Decontamination of radioactive water by coprecipitation with titanium hydroxide, 21:25938
Electron spin resonance studies on irradiated heterogeneous systems. VI, 25:129 (NP-18478)

ESR studies on irradiated heterogeneous systems. VI, 25:23594
KOMATSU, Yukihiko Electron-microscope observation on Zircaloy-2, 25:22109
KOMATSUBARA, Kiichi F. New electron paramagnetic resonance in nitrogen-ion-implanted CdS, 25:38548
KOMATSUZAWA, A. Off-mass-shell form factors of the nucleon, 24:15513
KOMBERG, B. V. Are quasi-stellar objects the nuclei of embryonic galaxies, 25:58626
Binary system as a quasar model, 22:13120
Estimating mass of quasi-stellar objects and galaxy nuclei, 25:19364
Explanation of relationship Δ(z) for distant quasars, 22:21800
Formation and stability of jets in quasars and radio-galaxy nuclei, 24:12566
N galaxies as a metagalactic population, 24:32587
Peculiarities in distribution of quasistellar objects, 24:42416
Peculiarities in quasar spectra, 24:17491
Possible structure of wide emission lines in the spectra of some quasars, 23:5153
Quasars, 23:12483
X-ray emission from radio galaxies and quasars, 23:25047
KOMBICHLER, H. Grosswelzheim superheat reactor: concept and possibilities, 24:7047
KOMEL'KOV, V. S. Braking and purification of a plasma jet, 24:3338
Characteristics of cascade pulsed plasma injectors, 21:2231 (UCRL-Trans-10065)
Problem of plasmoid structure in a coaxial injector, 23:8591
Short circuiting of a discharge gap by a plasma jet, 22:48116
Tandem plasma acceleration in coaxial systems, 25:36204
Technology of strong pulsed currents and magnetic fields, 25:30604
KOMEM, Y. Dislocation damage in tantalum after cyclic loading, 24:32462
KOMEM, Yigal Dislocation damage in tantalum after cyclic loading, 24:29932 (AD-696154)
KOMEN, G. J. Current algebra, field algebra, and K/sub 13/ form factors, 24:10729
Equal time commutators of spatial components of axial charges and corresponding sum rules, 25:1535
K/sub 13/ form factors, smoothness, and chiral symmetry breaking, 25:7615
Realization of current-algebra commutation relations, 24:26382
Rest-frame sum rules from quark model and field algebra, 24:47438
KOMENDA, S. Electroshock seizures as indicator of post-irradiation changes of the central nervous system, 22:36390
Thyroid uptake of /sup 99m/Tc pertechnetate, 21:24325
KOMENDANTOVA, A. L. Changes in skin in animals exposed to ionizing radiation, 23:18092
KOMENDATOVA, A. L. Changes in the skin in the region of repeated burns in animals exposed to ionizing radiation, 21:43451
KOMENDER, A. Free radicals evoked by radiosterilization in preserved bone grafts, 25:11329
Free radicals in bone grafts sterilized by ionizing radiation, 24:34118
Radiosterilization of preserved tissues, 22:52093
KOMENDER, Andrzej ESR study of bone tissue sterilized by gamma radiation, 25:8825
KOMENDER, J. Effect of lyophilization and γ irradiation on proteins, 22:52091
KOMENDER, Janusz Autoradiographic detection of ^{24}Na in single cells, 22:40544
Sterilization of grafts by ionizing radiation, 23:29951
KOMENO, Jin Device for preventing the outflow of coolant from a nuclear reactor, 22:44930
Pressure suppression type containment vessel, 22:18651
Reactor containment vessel, 22:18639
KOMENOU, K. Energy-gap measurement of niobium nitride, 23:12713
KOMESAROFF, M. M. Circular polarization of Jupiter's decimetric emission and Jovian magnetic field strength, 25:7129
Comparison of pulse shapes of pulsars at different frequencies, 24:27981
Evidence in support of a rotational model for pulsar PSR 0833-45, 23:14482
Interstellar scattering and low-frequency spectrum of PSR 0833-45, 25:58540
Linear polarization and pulse shape measurements on nine pulsars, 24:17520
Measurements on period of pulsating radio source at 1919 + 21, 22:29054
Observed limits to the circular polarization of nine quasars at radio frequencies, 22:23953
Possible mechanism for the pulsar radio emission, 24:17497
Pulse broadening of PSR 0833-45 by interstellar scattering, 24:51313
Radio rotation period of Jupiter, 22:8938
Radio sources (11-cm) associated with clusters of galaxies, 23:22766
Spaced receiver observations of pulsed radio sources, 22:41163
Spectra fine structure in pulsar radiation, 23:1102
KOMESU, N. Effect of x irradiation on brain, 23:38769
KOMEYA, K. Influence of fibrous aluminium nitride on strength of sintered AlN—Y$_2$O$_3$, 25:42959
KOMIENKO, L. A. Properties of irradiated beryllium, 24:42171
KOMIN, A. V. Behavior of a plasma in a stellarator, for the case of large electron free-path lengths, 25:38415 (CONF-710607-101)
Effect of electric field on particle motion in a stellarator, 25:22474
Implosion of a metal liner by the action of a magnetic field, 21:11599
Magnetic field structure in L-1 stellarator with l = 2, 23:46503 (NP-tr-1825)
Magnetic field structure of type L-1, two-pass stellarator, 23:36725 (NP-17948)
Magnetic surfaces of toroidal helical field near separatrices, 24:32855
One method of electron heating in a closed magnetic trap, 22:46119
Plasma containment in a stellarator, 23:32331
Preliminary experiments with stochastic plasma heating, 24:51611
Radiation spectrum of hydrogen plasma of finite thickness, 22:52804
Radiative escape of energy from a dense hydrogen plasma, 22:34678
Selection of optimal parameters for stellarator magnetic systems, 25:17207 (IYAF-8-70)
Spectra and total radiation of hydrogen plasma, 22:24269
KOMINAMI, S. Photo-induced reversible hole transfer in γ-irradiated single crystal of N-acetyl DL-methionine, 25:48550
KOMINE, Isao Behavior of bismuth bonding between powder compacted ceramic fuel and cladding, 23:8313
Behavior of Dy$_2$O$_3$ dispersions in W, ZrO$_2$, and UO$_2$ at high temperature, 22:43661
Preparation of uranium carbide pellets in a simplified process, 25:22147
KOMINE, J. Behavior of a thermally conducting layer of bismuth between the can and powdered ceramic fuel, 24:44751 (KFK-tr-321)
KOMINEK, J. Sulphur-35 used to explore sulphur balance of metallurgical processes, 25:51725
KOMISARZHEVSKAYA, G. F. Suggested classification scheme of γ-methods in nuclear geophysics, 22:6444
KOMISSAROV, A. G. Electron-computer frequency stabilizing system for high-frequency generators, 21:1691
KOMISSAROV, G. K. Metal—ceramic alloy for work at elevated temperatures, 21:1945
KOMISSAROV, V. A. Measurement of DT-neutron yield by means of auxiliary annihilation radiation source, 21:38164
KOMISSAROVA, B. A. Effect of geometric properties of environment of Moessbauer nucleus on angular distribution of γ quanta, 22:22611
KOMISSAROVA, I. I. Two-frequency single-exposure plasma holograph, 25:49878
KOMISSAROVA, L. I. Reactions of scandium oxides with oxides of chromium and indium, 21:11312
KOMISSAROVA, L. N. Application of plan B for study of extraction process for separation of Zr and Hf, 23:28971
Binary system HfO$_2$—Gd$_2$O$_3$, 22:19663
Determination of the thermodiffusion constant in the mixture of zirconium tetrachloride and hafnium tetrachloride vapours, 22:28021
Interaction of scandium oxide with oxides of elements of the titanium subgroup, 23:39050
Interactions between zirconium tetrachloride and metallic zirconium, 22:27721
Low-temperature synthesis of 6 ZrO$_2$.Nb$_2$O$_5$ compound, 23:6098
Low-temperature synthesis of compound 6ZrO$_2$.Nb$_2$O$_5$, 22:52242
Mathematical model of the extraction of zirconium and hafnium with alcohols, 22:42845
New phases in Sc—V—O system, 25:58401
Phase equilibria in HfO$_2$—Sc$_2$O$_3$ system, 23:10274
Reactions of Sc$_2$O$_3$ with Nb and Ta pentoxides, 25:22154
Synthesis of pure trichloride of zirconium, 24:4290
System HfO$_2$—Er$_2$O$_3$, 24:34959
System HfO$_2$—Er$_2$O$_3$, 25:3978 (SC-T-70-4043)
KOMISSARZHEVSKAYA, G. F. Gamma-ray reflection method for determination of Fe in underground boreholes, 21:41000 (AEC-tr-6904)
KOMITOWSKI, D. Accumulation of ^{90}Sr, 25:8597
KOMIYA, Hisako Chromosome abnormalities observed in children receiving roentgenoscope, 25:11113
KOMIYA, K. Studies on structural anomalies in patients with congenital metal deficiency, 24:32261
KOMIYA, Kazuhide Determination of chlorine and bromine in plant by activation analysis, 24:31273
Determination of Cu, As, and Hg in cigarettes by neutron activation, 24:33655
Determination of Cu, As, and Hg in plant by activation analysis, 24:31272
Production of ^{11}C and ^{7}Be, 23:43345
KOMIYA, Takajiro Method for fabrication of a reactor fuel rod, 21:17548
KOMIYA, Takashi Radiation chemistry of halophenols in aqueous solution. I, 24:41376
Radiation-induced phenylation of p-bromophenol in aqueous solution, 24:19021
KOMIYAMA, Jiro Effect of preceding mer units on stereospecific polymerization found in oligomers of isopropyl acrylate, 22:10220
KOMIYAMA, K. Mortality and causes of death in x-ray technicians, 22:31242
KOMIYAMA, Kihachiro Mortality and causes of death in x-ray technicians, 21:26586
KOMIZU, Toshiaki Container for a damaged fuel, 22:49050
KOMKOV, Yu. A. Heptavalent state of neptunium and plutonium, 24:210
Heptavalent state of transuranic elements. VIII, 24:38849
Heptavalent state of transuranium elements. II, 23:21693
Heptavalent state of transuranium elements. VI, 24:9322
KOMLOS, K. Concrete reinforced with steel micro-reinforcement, 25:55662
KOMLYAGINA, N. N. Determination of cascade particle—matter interaction functions by the converse-problem method, 22:21915
KOMLYAKOVA, N. S. Barkhausen effect in ferroelectrics during continuous x irradiation, 25:11978
Gamma and x-ray influence of Barkhausen effect in seignettoelectric crystals, 22:18843
X-ray irradiation and Barkhausen effect in triglycine sulfate and Rochelle salt crystals, 23:16879
KOMMONEN, F. Evaluation of results from tracer studies on process units, 22:14701
KOMNIK, Yu. F. Quantum size effect in superconducting tin films, 24:8398
Superconductivity critical transition temperature in thin tin films, 25:3026
KOMOCHKOV, M. M. Approximate method for calculating shield for scattered radiation of accelerators, 22:37232 (ORNL-tr-1916)
Approximate method of calculation of shielding from accelerator stray radiation, 22:9718 (JINR-P16-3591)
Attenuation of scattered radiation from a synchrocyclotron in the shield, 23:8870 (ORNL-tr-2030)
Attenuation of scattered synchrocyclotron radiation in a shield, 25:3480
Attenuation of synchrocyclotron stray radiation in shielding, 21:37961 (JINR-P9-3435)
Back yield of neutrons from shielding bombarded by 660-MeV protons, 22:3149 (JINR-P16-3514)
Back yield of neutrons from shielding bombarded with 660-MeV protons, 22:34736
Backward neutron yield from shield under influence of protons of 660 MeV energy, 23:3539 (ORNL-tr-1913)
Concrete in shielding of nuclear installations, 22:29537
Determination of quality factor for 200 MeV protons, 25:6699 (JINR-E16-5384)
Dosage characteristics of 200-MeV protons, 25:32417 (ORNL-tr-2460)
Dose characteristics of protons with energy 200 MeV, 25:11054 (JINR-P16-5383)
Effectiveness of boron in accelerator shields on scattered radiation, 23:8869 (ORNL-tr-2022)
Effectiveness of boron-loaded additives in shielding against scattered accelerator radiation, 24:34952
Efficiency of introducing additional boron into the shielding from the accelerator stray radiation, 22:46572 (JINR-P16-3936)
Escape of radiation beyond limits of shield of the Joint Institute's synchrocyclotron, 24:45665
Measurement of dose field of mixed radiation behind steel shielding, 21:33496 (JINR-P9-3365)
Measurement of quality for high-energy neutrons in tissue-equivalent phantom, 22:10759 (JINR-P16-3587)
Measurement of the quality factor for high-energy neutrons in a tissue-equivalent phantom, 22:14823 (LA-tr-68-8)
Measurements of quality factor for high energy protons in water phantom, 22:1287 (JINR-P9-3369)
Measurements of spectra of stray neutrons at synchrocyclotron hall, 21:37960 (JINR-P9-3403)
Measuring the dose field of mixed radiation behind a steel shield, 22:34734
Measuring the scattered neutron spectrum near a synchrocyclotron, 22:33653
Optimum water quantity in concrete for reactor shielding, 21:2903
Radiation escape beyond shielding of JINR synchrocyclotron, 24:3800 (JINR-P16-4727)
Radiation safety at high energy accelerators, 23:49282
Scattered radiation in accelerator halls, 22:35173 (NP-tr-1663)
Shielding tests at 10-GeV proton synchrotron neutron beam, 24:45714
Slow neutron detector with the polyethylene sphere moderator used in neutron dosimetry, 23:35518 (JINR-P16-4480)
Solution of kinetic equation for high energy neutrons taking into account angular deviation, 21:33855 (JINR-P2-3315)
Stray radiation at accelerator halls, 21:40301 (JINR-P9-3402)
Tissue dosimetry of radiation generated by high energy accelerators, 24:23026 (ORNL-tr-2286)
Tissue dosimetry of radiations generated by high-energy accelerators, 24:9695 (JINR-P16-4765)
KOMOCHKOV, Mikhail M. Measurements of the quality factor for high energy protons in the water phantom, 22:31115
KOMOGOROVA, L. V. System for registration and computer input of information from a 32-wire spark chamber, 24:11842
KOMOLI, L. H. Test stand for the prestressed concrete vessel containing the helium loop, 25:31558 (IAEA-126, pp 85-97)
KOMOLOV, I. S. Rate of initial formation of microcolonies in gamma irradiation of SOTs cells in various phases of mitotic cycle, 25:26907
KOMOLOV, P. N. Semiautomatic apparatus for measuring geometric parameters of charged particle tracks in photoemulsions, 23:6294
KOMOLOVA, G. S. Combined effects of uv and x radiation on ribonuclease, 24:7749
Effect of a simulated Martian environment on certain enzymes, 23:35634 (JPRS-47582, pp 36-45)
Effect of ultraviolet radiation on ribonuclease in solutions of ethylene glycol, 22:51352
KOMORI, Hiroo Aeolotropy of short-cycle change in intensity of cosmic rays, 23:48769
KOMORI, Itaru Vibration compacted UO$_2$ fuel. II, 23:30163
KOMORI, Matuso Preparation of thorium oxide microspheres. IV, 21:32965
KOMORI, T. Isotope separation by liquid-gas chemical exchange, 21:12498 (JAERI-1115)
KOMORI, Takuji Burnup determination of JRR-3 irradiated fuels by destructive methods, 24:20719

Chemical analysis of the fuel solution of JRR-1, 25:57320
Determination of Ce, Gd, Dy, Er, and Yb, 25:15505 (N-70-38452)
Improvement in isotopic ratio measurement of uranium, 25:28927
Isotope effect of H on autoxidation of benzene and toluene, 23:40657
Origin of H gas released from UO_2, 24:48890
KOMORI, Takumi Surface ionization of rare earth elements, 21:19592 (ORNL-tr-1594)
KOMORIDA, Katsuhiro Time analyzer using binary scalers, 22:38153
Time analyzer using binary scalers, 23:47876 (NSJ-tr-150)
KOMOTO, H. Isomeric cross sections of a (p,γ) reaction, 23:40063
KOMOTO, T. Simple cryostat for neutron diffraction, 23:16203
KOMOV, A. I. Self-tuning the frequency of the resonant system of a cyclotron, 23:17031
KOMOV, A. L. Non-rotational states of odd-mass nuclei in the actinide region, 25:31306 (JINR-P4-5693)
Pair correlations of superconducting type in nuclei with a > 100 using the Saxon-Woods potential, 24:49927 (JINR-P4-5125)
Single-phonon states of even—even nuclei in the actinide region, 24:52645 (JINR-P4-5126)
KOMOVA, E. M. Phase diagram of the Mg—Mn system, 21:24782 (UCRL-Trans-10088)
KOMPANEETS, A. S. Quantum electrodynamics with two fermions. II, 22:9682
Resonance processes photoeffect, 22:29235
KOMPANEETS, D. A. Surface second sound in liquid helium, 25:58931
KOMPANEETS, V. G. Photoproduction of W-meson pairs, 22:44351 (ANL-Trans-649)
Photoproduction of W-meson pairs, 23:13061
Photoproduction of W-meson-electron pairs, 25:1441 (IFVE-SVM-70-2)
KOMPANIETS, V. G. Approximations of Pauli type for vector meson with anomalous magnetic moment in external field, 25:25359 (IFVE-SVM-70-31)
Electrodynamics of charged vector mesons with anomalous magnetic moment in Kemmer formalism, 25:45691 (IFVE-SVM-70-63)
Pauli approximation for vector bosons, 22:20228
Photoproduction of W-meson pairs on electrons, 25:9707
KOMPE, D. Capture cross-section measurements for some medium and heavy weight nuclei, 21:17353 (KFK-455)
Capture cross-section measurements of some medium- and heavy-weight nuclei in keV region, 23:44876
High resolution measurements of radiative neutron capture in ^{47}Ti, ^{54}Fe, ^{58}Ni, ^{60}Ni, and ^{61}Ni between 7 and 200 keV, 24:52469 (EURFNR-809)
Neutron capture and fission cross-section data in keV energy range, 22:35346
Neutron capture cross section of Au in keV energy region, 23:37250
Neutron capture cross sections of Ce and Tl, 24:28810
New measurements and renormalizations of neutron capture cross section data in the keV energy range, 22:3687 (EURFNR-404)
KOMPPA, T. Decay of ^{200}Tl, 25:31387
Reinvestigation of the decay of ^{200}Tl, 25:12528 (NP-18647)
KOMRAKOV, G. P. Measurement of ionospheric electron concentration by means of a high-frequency impedance probe, 25:17050
KOMURA, H. Dislocation effects on luminescence of CdS crystals, 22:26527
KOMURA, Hirotsugu Characteristics of a high-power nitrogen plasma jet, 21:42109
Diagnosis of plasma by the microwave technique, 22:52748
KOMURA, K. Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:19255 (OU-LNS-69-1)
Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:25933
Production of ^{26}Al and ^{22}Na, 25:59753
Stepwise determination of Th, Pa, and U isotopes and their applications in geochronological studies, 22:6271
KOMURA, Kazuhisa Absolute measurement of alpha ray by a surface-barrier type silicon detector, 25:57794 (INS-TCH-5)
Alpha radioactive nuclides of U, Pa, and Th in U deposits, 23:24110
Consecutive anion exchange separation of Ra, Th, Pa, and U from an Fe carrier, 21:15987
Target chemistry of ruthenium, 23:47448
KOMURA, Kohjiro Uraniferous bed in Mizusawa area, 25:54806
KOMURA, Kojiro Source rocks of uraniferous deposits in Northern Miyoshi district, 23:49957
KOMURA, S. Itinerant antiferromagnetism in chromium alloys, 21:43586 (JAERI-1137)
Resolution function of a twin-rotor neutron time-of-flight spectrometer, 24:46503
KOMURA, Techuro Radiation-induced mandibular necrosis, 21:18164
KOMURKA, Milos Radiation polymerization in the solid phase, 21:25894
KOMURO, Hideo Radiation effects on root tip cells of Vicia fava, 22:51528
KOMURO, Kojiro Automatic welding device, 23:40928
Welding a nuclear fuel element, 24:14671
Welding method for sealing a nuclear fuel element, 24:14668
KOMURO, Takajiro Reactor control rod, 21:23763
KOMY, S. Unitary and antiunitary ray representations of the product of n commuting parity operators, 21:7526
KOMY, S. R. Lorentz-pole analysis of high-energy reaction $\pi N \rightarrow \omega N$/sub 3/2/*(1236), 22:39408
Lorentz-pole model and polarization in high-energy charge-exchange pion—nucleon scattering, 23:5630
O(3,1) symmetry and high-energy reaction $\pi N \rightarrow$ etaN*(1236), 22:24710
$O_{3,1}$ symmetry and the Lorentz states of exchanged trajectories for $0 + {}^{1}/_{2} \rightarrow 1 + {}^{3}/_{2}$ spin processes, 22:34985
KOMYAK, A. I. Absorption spectra and a possible classification of the electronic states of uranyl compounds, 22:25336
Absorption spectra of dischroism of crystalline uranyl nitrate, 25:117
Absorption spectra of uranyl nitrate crystals, 23:9373
Absorption spectra of uranyl nitrate crystals, 24:4263 (UCRL-Trans-10394)
Azimuthal relations of degree of polarization of the separate lines in the luminescence spectra of crystals of uranyl compounds, 25:7486
Estimation of the polarization diagram of rubidium uranyl nitrate crystals, 25:46495
Fine structure of the luminescence spectra of uranyl nitrates, 22:16549
Infrared absorption spectra and luminescence of potassium uranyl sulfate, 22:12304
Infrared spectra of crystals of uranyl chlorides in polarized light, 25:45588
Interpretation of the absorption spectrum of cesium uranyl chloride crystals, 24:9330
Luminescence and absorption spectra of crystals of uranyl chlorides in polarized light, 25:7487
Luminescence spectra of crystals of uranyl fluoride at 77°K, 24:38866
Optical constants of crystals of uranyl compounds, 24:51839
Symmetry of excited electronic states in uranyl nitrate crystals, 25:58703
KOMYAK, N. I. Scintillation spectrometry of soft x-ray radiation, 25:29350
X-ray scintillation detector for the radiation of light elements, 23:31530
KON, Hideo Comparison of electrical discharge with γ-radiation for the production of free radicals in lyophilized proteins, 25:18906
Free-radical distributions in irradiated proteins, 22:14938
Tritium labeling of proteins by free-radical interceptor method, 23:43654
KON, L. Z. Absorption of ultrasound in two-zone superconductors with nonmagnetic impurities, 25:49838
Electrodynamics of nonpure superconductors with overlapping energy zones, 21:31363
Paramagnetic impurities in superconductors, 23:25271
Thermodynamics of two-zone anisotropic superconductors, 24:8410
Thermodynamics of two-zone superconductors, 24:8409
Ultrasonic attenuation in current-carrying superconductors, 24:32799
Ultrasonic attenuation in dirty two-band superconductors with persistent currents, 24:10460
KON, Shozo Density measurement of plasma by CO_2 laser interferometer, 22:48085
KON, V. G. Dynamic theory of x-rays in crystals with defects, 24:32913 (IAE-1890)
KONADOR, Gerard Electronic devices for semiconductor radiation detectors, 21:12706 (INR-682/I-A/PL)
KONAGA, Toshiyoshi Radiation induced graft copolymerization of styrene to polyethylene single crystal aggregate film, 23:13742 (NSJ-tr-143)
Radiation-induced graft copolymerization of styrene to polyethylene, 22:21096
KONAKA, Shigehiro Atomic scattering factors for electrons as calculated by the partial-waves method, 21:20748
Atomic scattering factors for heavy atoms, 23:18426
KONAKH, V. F. Parameters for crossed-field stationary accelerators at medium pressure, 24:17906
KONANYKIN, L. V. Application of the reaction ^{11}B(p,γ)^{12}C for determination of B, 23:28760
Determination of lithium by measurement of ^{7}Li(p,γ)^{8}Be reaction yield, 23:82
KONAR, Sulamita Changes in Streptomyces activity under effect of gamma rays, 22:49646
KONAREVA, V. G. Measurement of the viscosity of hydrogen isotopes along the vapor pressure curve, 22:6293
KONARSKI, J. Can nuclear processes be stimulated by electronic structure of macromolecules, 24:22225
Nuclear phenomena recorded in biological material, 23:35586
Nuclear processes stimulated by biological materials, 24:44616
KONARSKI, J. M. Nuclear processes do occur in living tissue, 22:28509
KONASEWICH, Dennis E. Mechanism of hydrolysis of diazoacetate ion, 25:15586
KONAVKO, R. I. Increase of plasmatron operating stability, 22:9393
KONCEL, E. F. Economic effects of nuclear fuel management, 23:28386
Fitting nuclear capacity into utility planning, 25:18067
Scheduling generation on systems with fossil and nuclear units, 25:5896
KONCHALOVSKAYA, N. M. Cardiovascular disorders during action of SHF electromagnetic fields, 22:25972
KONCZOS, Geza Examination of neutron scattering by means of detector banks, 22:49112
KONDA, Susumu Effect of appendectomy and of thymectomy, with x irradiation, 21:16453
Histological appearance of lymph nodes of rabbits after thymectomy or appendectomy at birth followed by x irradiation and injection of antigens, 22:25879
KONDAIAH, E. Activation cross sections of calcium, potassium, and aluminum for 14.2-MeV neutrons, 22:18180
Beta—gamma directional correlations in decay of ^{141}Ce, 22:39679
Cross section for some fast neutron induced reactions and the statistical model, 22:32530
Cross sections for (n,2n), (n,α), and (n,p) reactions in rare-earth isotopes at 14.2 MeV, 23:15468
Fast neutron reaction cross sections at 14 MeV in rare—earth isotopes, 22:32638
Level density parameter in the mass region 24 to 48, 22:20686
Measurements of 14-MeV neutron-induced reaction cross sections using enriched isotopes of Ca, 21:13850
Measurements on 14-MeV neutron induced reaction cross-sections using enriched isotopes of Ca, 21:15508 (CONF-660221-, pp 60-4)
Neutron activation cross sections at 14.4 MeV for Kr and Xe isotopes, 23:3973
Neutron activation cross sections at 14.4 MeV for Si and Zn isotopes, 23:8967
Photopeak efficiencies for well type NaI(Tl) crystal, 24:11796
Pre-compound and compound particles of decay in (p,n) reactions on ^{90}Zr and ^{94}Zr targets, 25:50774
Precompound and compound particles of decay in (n,p) reactions, 22:16078
Precompound and compound particles of decay in (n,p) reactions, 22:27070
Precompound and compound particles of decay in nuclear reactions, 22:32731
Radiative capture cross sections of 25-keV neutrons, 23:19268
Reaction mechanisms in ^{75}As + n system, 24:6870
Reactions (n,2n), (n,α), and (n,p) in rare-earth isotopes and the statistical model, 24:15890
Study of A(n,p)Cl reaction, 22:32541
Thermal neutron activation cross sections for Kr and Xe isotopes, 23:3974
Three port hole beam switching magnet, 21:15439 (CONF-660221-, pp 312-15)
KONDAKOV, N. D. Remote radiometric control of irradiated materials, 24:31655
KONDAKOVA, N. V. Effect of oxygen on ultraviolet inactivation of myosin, 23:38467
Inactivation of enzymes. I, 21:26357
KONDICH, N. Double sided cooling of a tubular fuel element, 23:9168
KONDNER, Robert L. Dynamic soil behavior in terms of response spectra, 23:9582
KONDO, Hiroki Mixing effect between particles and resonances, 21:46544
Nonlinear realizations of groups and chiral transformations in the quark model, 24:47494
Single pion production in low energy pion—nucleon scattering, 23:42678
Symmetry breaking of the chiral U(3) x U(3) and the quark model, 25:53269
KONDO, Hiromichi Device for containment of the plasma, 21:9539
Plasma confining effect of high frequency multipole electromagnetic field, 21:29199
KONDO, Hiromu Welding fabrication of resonant cavities of proton linear accelerators, 21:9894
KONDO, Ichiro Balloon observation of solar and atmospheric neutrons, 25:33121
Cosmic rays and radiation belts, 22:50065
Intensity measurement of α component in primary cosmic rays at a location of geomagnetic cutoff rigidity 11.0 gv, 24:1308
Measurement of primary cosmic-ray α particles by balloon. I, 22:17426
Upper limit of solar neutron flux associated with solar flare on September 28, 1968, 24:51346
KONDO, K. Amplification effect due to large-amplitude electron plasma waves, 25:49945
Differences between reactions of gaseous CH_4 with ^{80}Br and ^{82}Br, 25:57491
Differences between reactions of gaseous CH_3Br with ^{80}Br and ^{82}Br, 25:57492
Effect of the electron drift on the damping of ion—acoustic waves, 24:37514
Elastic scattering of K^+ mesons by polarized protons at 1.54 and 1.71 GeV/c, 24:12953
Isomeric transition-activated ^{80}Br reactions in CH_4—/sup 80m/BrBr and CH_4—/sup 80m/Br systems, 25:2226
Negative pion production from neutrons by polarized γ rays, 22:52918
Production of quasi-monochromatic polarized bremsstrahlung from a single crystal of silicon, 21:29784
Propagation of electron waves in a plasma at lower frequency than plasma frequency, 25:49947
KONDO, Katsumi Propagation of large-amplitude electron plasma waves, 25:30610
KONDO, Kenji Clinical observation of tongue cancer treated with high energy electrons, 22:51737
KONDO, Kenjiro Chemical effects of nuclear reaction in organohalogen compounds, 24:16595
Solubility of xenon in carbon tetrachloride and in chloroform, 25:2201
KONDO, Kuintaka Multichannel pulse-height analyzer as recording device of wire spark chamber, 24:19217
KONDO, Kunitaka Analysis of pion photoproduction on nucleons below 500 MeV, 24:37682
Angular asymmetry in pair production, 24:26405
Coherent bremsstrahlung from Si single crystal. II, 21:2302
Production asymmetry in $\gamma + n \rightarrow \pi^- + p$ process with polarized photons, 24:37603
Wire spark chambers in polarization measurements of bremsstrahlung, 24:36554 (INSJ-117)
KONDO, Kyoji Differences in hematopoietic death among inbred strains of mice, 24:12276
KONDO, M. Correlation between ingestion, accumulation, and excretion of fallout ^{90}Sr in man on a long-term scale, 23:38563
Influence of organic halides on hydrogen yield from γ radiolysis of methanol, 22:33377 (KFK-tr-238)
Intake and excretion of ^{137}Cs in man, 23:20090
Measurements on the magnetic properties of ferrite cores for proton synchroton rf accelerating cavity, 24:1689 (SJC-A-68-4)

Resolving time measurements of Geiger counters, 25:10835
Variation of Sr—Ca observed ratio (urine/diet) in man, 23:50474
KONDO, Makoto Measurement of Cd ratio in a U—H_2O subcritical assembly with scintillation detector, 21:40361
Measurement of infinite multiplication factor in heterogeneous U—H_2O subcritical assembly, 25:34408
Measurement of material buckling of U—H_2O assembly, 22:16300
Scintillation detector for the measurement of thermal neutrons in subcritical assembly, 22:2374
KONDO, Mamoru Radiation chemistry of isotactic and atactic polypropylene, 22:21117
KONDO, Masaharu Conformational degradation of cytochrome-C by gamma irradiation in aqueous solution, 22:40556
Effect of organic halides of the yield of hydrogen from γ radiolysis of methanol, 21:4569
Radiation-induced decoloration of dyestuffs in aqueous solution, 21:12455
Radiation-induced formation of tetrameric hydrogen cyanide in an aqueous solution, 22:2132
Radiolysis of 2,2'-azo-bis-isobutyronitrile in benzene solution. I, 25:21033
Radiolysis of ascorbic acid in aqueous solution, 24:22680
Radiolysis of methanol containing cyanogen iodide, 23:38001
KONDO, Masao Role of Mo in oxidation of TiC—Ni—Mo alloys, 24:2980
KONDO, Masaru Clinical evaluation of radioisotope renogram in traumatic paraplegics, 23:29632
KONDO, Masatsune Alternating copolymerization of carbonyl sulfide with aziridines, 25:31951
Gamma-induced copolymerization of CO with cyclic hydrocarbons, 24:4337
γ-ray induced terpolymerization of CO, aziridines, and cyclic ethers, 23:26297
γ-ray-induced copolymerization of CO with cyclic ethers, 23:26298
KONDO, Michio Electrodeposition of ^{239}Pu in ammonium nitrate solution, 24:48092
Retention, excretion, and blood concentration of ^{137}Cs by rat, 23:43665
KONDO, Mizuka Selective irradiation of canine lymph nodes by means of intralymphatic injection of ^{32}P, 21:22727
KONDO, S. Gemini-3 S-4 spaceflight-radiation interaction experiment, 21:32788
Gemini-XI S-4 spaceflight radiation interaction experiment. II, 23:41294
KONDO, Satoru Studies on the removal of radionuclides in milk. I, 22:42821
Studies on the removal of radionuclides in milk. II, 22:42822
KONDO, Seiichi Effect of deuterium exchange of silica gel on dielectric relaxation, 24:4300
KONDO, Shunsuke Analysis of fast reactor core meltdown accidents, 22:53391
Analysis of post-meltdown accident phenomenon in reactor vessel, 24:33367
Fission product gas release due to fuel cladding failure, 24:26796
Heat transfer coefficients for axial air flow through eccentric annulus, 23:24377
KONDO, Sohei Action spectra for photoreactivation of killing and mutation to prototrophy in uv-sensitive strains of E. coli, 21:16544
Base-change mutagenesis and prophage induction in strains of Escherichia coli with different DNA repair capacities, 25:13421
Comparison of fission neutrons and γ rays in inducing mutations in silkworm gonia, 21:43359
Genetic and molecular characteristics of x-ray-sensitive mutants of Escherichia coli defective in repair synthesis, 25:13428
Kinetics of enzymatic photoreactivation studied with phage T1 and E. coli B/sub s-1/, 24:6149
Kinetics of radiobiological effects, 22:40945
Microscopic observation of induced and viable progeny of a uv-irradiated lysogenic cell, 22:51525
Mutagenicity versus radiosensitivity: target consideration, 25:6668 (CONF-691106-, pp 280-96)
Phage induction by uv radiation in E. coli, 23:2988
Phage induction by uv radiation in E. coli, 23:5059
X-ray-sensitive mutants of Escherichia coli B, 21:36770
KONDO, T. Search for quarks, 23:23323
Total absorption type lead glass Cherenkov counter with high resolution, 25:42154
KONDO, Tamio Particle accelerators. VII, 25:25591
KONDO, Tatsuo Cladding failure in the pressure vessel of a BWR, 25:49452
Corrosion fatigue of low alloy steel in high temperature water, 25:49355 (JAERI-Memo-4355)
Hydrogen exchange reaction of aminobenzoic acid. I, 23:40662
KONDO, Teruo Radiosensitization of L cells by proflavine, 21:24635
KONDO, Toshio Fast scanning mass spectrometer, 21:41301
KONDO, Toshiro Charged-particle source equipment, 21:2573
KONDO, Tsutomu Radioactivity of the black slates in Miyagi Prefecture, Japan, 21:28087
KONDO, Y. Ultraviolet spectrophotometry of Canopus from Gemini XI, 24:19579
KONDO, Yasuhiro Color center formation and bleaching in KCl and NaCl by electron pulse at 15°K, 25:17287
F-center formation in KCl by pulsed electron beam, 23:25465
Optical study of an ionic crystal by means of pulsed electron irradiation. IV, 25:27846
KONDO, Yasuko Oxidation of 0.4 wt percent Ca—Be alloy in moist CO_2, 23:38930
Oxidation of Be—Ca alloys, 23:32019
Oxidation of Be—Ca alloys in CO_2 at high temperatures, 23:27078
Oxidation of pure Be in CO_2, 23:20475
KONDO, Yoji Curve-of-growth analysis for the close binary HR 5317, 23:36300
Formation of a neutron star in a close binary system, 25:30099
Interaction of neutral H and charged particles in radiation belts, 22:5238
Rocket ultraviolet spectrophotometry in Orion region, 22:13190
KONDO, Yoshiaki Method of producing a sintered uranium dioxide nuclear fuel element containing a boride, 22:11034
KONDO, Yoshihide (γ,γ') and (γ,n) activation, 24:38787
(γ,n) activation analysis of several elements, 23:35049
Activation analysis (γ,n) of human blood, 22:42642
Activation analysis (γ,n) of poly (vinyl chloride) sheet, 22:42640
Gamma scanning data for unirradiated flat fuel plates of UTR, 23:28737
Nondestructive photoactivation analysis of Cd, Ba, and Pb in PVC sheets, 24:31275
Spatial dependence of the bremsstrahlung characteristics of Linac, 24:33074
KONDO, Yoshiomi Equilibrium of a high beta plasma in a toroidal magnetic field with a non-planar axis, 22:39033 (REIC-TR-29).
KONDO, Yukaka Special pipes and tubes for nuclear power generation, 22:14177
KONDO, Yutaka Effect of thickness and surface defects on test results of fuel cladding tubes, 22:33618
Zircaloy tubes for nuclear cladding, 25:2695
KONDON, S. Gemini XI S-4 spaceflight-radiation interaction experiment, 22:31041
KONDOR, I. Connection between the one-particle Green's function and the density—density correlation function in a large Bose system, 22:41699
KONDOR, Imre Josephson effect and the flux quantization in superconductors, 22:13408
KONDORSKII, E. I. Investigation of the thermoelectromotive force and thermomagnetic effect in dysprosium, 23:42499
Thermal magnetic effect and thermal emf of Gd at 90 to 250°K, 25:14458
KONDRAKHINA, S. I. Preparation of elementary high-specific activity ^{35}S, 22:35874
KONDRASHEV, A. I. Effect of rare earth metals on the gas saturation of steel, 22:19527
Electron emission due to bombardment of NaCl and with inert-gas ions, 22:50251
Electron emission energy spectrum of KCl single crystal bombarded with helium ions, 21:39801
Emission from alkali-metal-halide crystals as a function of angle of incidence of slow ions, 23:44159
KONDRASHEV, L. F. Design of isochronous cyclotron laboratory, 24:3801 (LA-tr-69-23(Draft))
KONDRASHEV, V. M. Acceleration of elimination of ^{140}Ba, 22:10729
KONDRASHEV, Yu. D. Phase transformations of boron on dissolution of beryllium in it, 23:44023
Structure of the zeta-phase in the Be—B system, 21:28780 (MLM-141(tr))
KONDRASHEVA, E. P. Measurement limits of exposure dose rate by gas-discharge counters, 25:18664
KONDRASHOV, A. P. Effect of electron bombardment on luminescence of electroluminophors, 24:31411
Effect of electron bombardment on luminescence of ZnS—Cu phosphor, 25:8485
Investigation of the shielding properties of concrete which contains boron, 21:21044
Problems related to reduced yield of captured γ-radiation, 23:47355
Shielding properties of elementary units of heterogeneous metal—water nuclear reactor shieldings, 23:47354
KONDRASHOV, N. G. Non-stationary heat and mass transfer, 21:28159 (NASA-TT-F-432)
KONDRASHOV, V. D. System for registration and computer input of information from a 32-wire spark chamber, 24:11842
Wire spark chamber with static magnetostrictive delay-line store, 22:47370 (JINR-P13-4020)
KONDRASHOV, V. M. Irradiation head for beam therapy, 25:29258
Modification of the gamma-therapeutic unit for static irradiation, 22:31156
KONDRASHOVA, L. A. Annihiliation of polarized positrons in ferromagnetic metals, 22:45958
KONDRASHOVA, Z. S. Application of multigroup methods for the calculation of neutron flux distributions in inhomogeneous shields, 22:35675
KONDRATENKO, A. M. Dynamics of particle polarization near spin resonances, 25:43770
Motion of spin of particles in a storage device with an arbitrary field, 25:1703
Spin particles movement in storage ring with an arbitrary field, 25:1666 (IYAF-2-70)
KONDRATENKO, A. N. Coupling of whistle mode and acoustic waves in a high pressure plasma, 23:3507
Electromagnetic field penetration into magnetoactive plasma, 22:1228
Energy loss of a modulated axial current in a bounded magnetoactive plasma, 22:39121
Excitation of ionic—acoustic waves in nonisothermal plasma under skin-effect conditions, 23:51728
Excitation of waves in bounded plasma by modulated beams, 21:15144
Finite-amplitude instability in a bounded plasma, 24:49115
Interaction of a limited beam with a bounded plasma in a strong magnetic field, 21:7264
Kinetic theory of a plasma waveguide in a strong magnetic field, 21:16951
Kinetic theory of electromagnetic waves in finite plasma, 21:15149
Kinetic theory of electromagnetic waves in a limited magnetoactive plasma. II, 21:18678
Kinetic theory of electromagnetic wave propagation through a magnetoactive plasma layer, 21:20947
Kinetic theory of electromagnetic waves in a layered plasma medium placed in a magnetic field, 21:35172
Kinetic theory of electromagnetic waves in a layered plasma medium, 22:5352
Kinetic theory of electromagnetic waves in a bounded magnetoactive plasma, 22:11439
Kinetic theory of layered-plasma waveguide in a strong magnetic field, 21:7226
Kinetic theory of the passage of waves through a plasma layer in a waveguide, 21:7238
Kinetic theory of wave reflection from moving plasma layers, 23:51738
Nonlinear interaction of surface waves, 23:48949
Nonlinear interaction of waves in a bounded magnetoactive plasma, 25:9514
Nonlinear interactions of surface waves in nonisothermal plasma, 24:18014
Nonlinear theory of waves in a bounded magnetoactive plasma, 24:37505
Penetration of a longitudinal electric field into a bounded magnetized plasma, 21:15141
Penetration of a longitudinal electric field into a limited magneto-active plasma, 21:33449
Penetration of longitudinal electric field into plasma, 22:50163
Reflection of electromagnetic wave from plasma in inclined incidence. I, 22:50162
Reflection of electromagnetic waves from a moving magnetoactive plasma layer, 22:22162
Wave transformation on the boundary of the plasma, 24:49221
KONDRATENKO, S. G. Ionospheric effect of solar eclipse of Sep 22, 1968, 25:56000
KONDRATENKO, V. G. Effect of γ radiation and radiotoxins on synthesis of DNA in early embryogenesis of groundling Misgurnus fossilis, 22:23423
Effects of γ and radiotoxins on Ehrlich's ascites carcinoma cells, 24:7754
Influence of AET on loach embryos, Misgurnus fossilis, under action of γ-rays and radiotoxins, 23:861
Luminescence-cytochemical investigation of effects of γ rays and radiotoxins on cells of Ehrlich ascites carcinoma, 22:51958
Primary radiotoxins and possible protective mechanisms of AET, 24:12336
KONDRATENKO, V. V. Studies of a section of a disk-loaded electron linear accelerator, 24:15754
KONDRAT'EV, A. N. Handling radioactive wastes in the Soviet Union, 25:21359
KONDRAT'EV, A. S. Kinetic equations in theory of normal charged Fermi fluid, 23:3491
Stability of a plasma with anisotropic distribution functions in a magnetic field, 25:22546
Theory of transport phenomena in many-component Fermi-systems, 22:46294
KONDRAT'EV, B. K. Linear proton accelerator I-2. X, 22:32398
KONDRAT'EV, B. S. Angular and energy distributions of γ rays in lead, 25:30640
KONDRAT'EV, D. A. Isotope exchange between molecular oxygen and synthetic zeolites, 25:34580
KONDRAT'EV, F. V. Electronic cooling of cathode of thermionic converter, 22:47865
Experimental investigation of cesium thermionic converter with tungsten cathode, 22:43960
KONDRAT'EV, I. G. Nonlinear interaction of a plane electromagnetic wave and an inhomogeneous plasma layer, 23:39513
Reflecting characteristics of inhomogeneous plasma layers, 22:44146
KONDRAT'EV, K. Ya. Radiation in the atmosphere, 23:51532
Solar radiation and solar activity, 24:42442
KONDRATEV, L. G. Circuits for the identification of neutrons, 25:18667
Stabilization of amplification coefficient of scintillation neutron spectrometers, 23:38304
KONDRAT'EV, L. N. Concerning the anomalous conversion of the 59.6 keV transition in ^{237}Np, 21:25549
Cross section of interaction of 710-MeV deuterons with ^{27}Al nuclei, 21:42576 (ITEF-478)
Cross sections of deuteron interaction with aluminum at 710 MeV, 21:29931
Cross sections of deuteron interaction with ^{27}Al nuclei at energy 710 MeV, 22:39256
Investigation of the elastic pd-scattering at large angles in the energy region 0.75 to 2 GeV, 21:44264
Yield of deuterons knocked from ^{12}C nucleus by protons, 23:52113
KONDRAT'EV, V. I. Hydrodynamic problems of vessel-type boiling-water reactors, 25:60065
KONDRAT'EV, V. K. Change in temperature of ordering of alloy, 24:10107
Influence of ordering on properties of Fe—Al—Cr, Fe—Al—W, Fe—Al—Co, Fe—Al—V, 24:10109
KONDRAT'EV, V. S. Principles of change in activity of certain enzymes in rat liver, 23:29374
KONDRAT'EV, Yu. A. Influence of neutron flux on dispersion-hardening steels, 25:4817
KONDRATEV, Yu. S. 5-BU sensitization to uv-induced killing and mutability in hcr$^+$ and hcr$^-$ strains of Escherichia coli, 25:42345
Effect of 5-bromouracil substitution on uv-sensitivity of E. coli, 25:39969
Effect of post-irradiation cultivation on mutagenesis in SM-locus, 24:48499
Influence of 5-bromouracil on sensitivity of Her$^+$- and Her$^-$-bacteria to lethal and mutagenic effect of uv-light, 25:57965
KONDRAT'EV, Yu. V. Physical properties of hot-pressed tungsten—copper pseudo-alloy, 25:32717

KONDRATEV, Yu. W. Field of dispersion strengthening and reinforcement of powder metallurgy metal-base alloys, 24:27844
  Hot pressing of W and W-base pseudoalloys, 24:27740
KONDRAT'EVA, A. F. Combined effect of ionizing radiation and blastomogenic agents, 24:825
KONDRAT'EVA, E. V. Effect of γ radiation of ^{60}Co on epiphytic microflora of grape and pomegranate, 22:10900
KONDRAT'EVA, I. A. Genetic interpretation of epigenetic alterations in sedimentary rocks, 24:46373
KONDRAT'EVA, L. I. Chemical-spectrographic method for determination of rare earths in La and its oxide, 25:37295
KONDRAT'EVA, L. V. Molecular-weight distribution of poly(methyl methacrylate) triphenyl phosphite additions in radiolysis, 24:13966
  Protecting effect of some organophosphorus compounds in the radiation degradation of polymethylmethacrylate, 22:16587
KONDRAT'EVA, T. I. Ophthalmological applicators using ^{90}Y, 25:21783
KONDRAT'EVA, T. M. Characteristics of populations of the somatic cells of irradiated animals according to the intensity of their ultra-violet fluorescence, 22:36175
  Genetically reinforced radiation effect which is reproduced on transplantation of irradiated cells of lymphsarcoma, 22:33772
  Hereditarily fixed changes of ultra-violet fluorescence intensity in irradiated lymphosarcoma cells, 22:36350
  Uv fluorescence of biological objects exposed to radiation, 24:34572
KONDRATIEV, V. N. Problems connected with the investigation of elementary processes in low-temperature plasma, 21:20958
KONDRAT'KO, M. Ya. Asymmetry of ^{233}U photofission as a function of the maximum energy of bremsstrahlung, 21:2731
KONDRATOV, I. Ya. Cermet alloys of rhenium with yttrium hexaboride, 24:1071
  Thermionic properties of alloys belonging to the W—La oxide system, 23:27024
  Thermoemission of alloys of tungsten—rare earth oxides, 22:754
KONDRATOVA, N. S. Use of N-furoylphenyl hydroxylamine for amperometric titration of Zr, 25:34535
KONDRAT'YEV, I. G. Electromagnetic waves' diffraction on plasma formations, 22:36810 (N-68-22366)
KONDRATYUK, L. A. Allowance for Coulomb interaction in scattering of a fast charged particle by a nucleus, 25:36524
  Bremsstrahlung and determination of electromagnetic parameters of particles, 23:7114
  Bremsstrahlung and the determination of electromagnetic parameters of particles, 23:13051 (ITEF-615)
  Bremsstrahlung and the determination of the electromagnetic parameters of particles, 23:32648 (NP-tr-1784)
  Bremsstrahlung spectrum in direct nuclear reactions, 24:18445 (ITEF-660)
  Bremsstrahlung spectrum in direct nuclear reactions, 24:30885
  Decay K_2^0—$\pi^+\pi^-e^+e^-$ and the radius of K_2^0—K_1^0 electromagnetic transition, 23:1618
  Electromagnetic form factors of transition and inelastic scattering of electrons by hadrons, 21:895 (NP-16279)
  Electromagnetic transition form factors and inelastic electron—hadron scattering, 21:2416
  Exchange interaction of an isobar with a nucleon and dynamic model of two-baryon resonance, 24:45553
  $K_0^2 \rightarrow \pi^+\pi^-e^+e^-$ decay and the electromagnetic radius of the $K_2^0 \rightarrow K_1^0$ transition, 23:13071
  Many-baryon resonances, 25:9803 (ITEF-759)
  Many-baryon resonances, 25:30895 (NP-18779)
  Many-baryon resonances, 25:7690
  On $\Xi \rightarrow \Lambda\pi\gamma$ decays, 22:48284
  Photon circular polarization in reaction $e^+e^- \rightarrow \pi^+\pi^-\gamma$ and phase of pion form factor, 23:30728
  Possibility of measurement of isobar Δ^{++} (1236) magnetic moment in radiative π^+p-scattering, 22:20246
  Possibility of measuring magnetic moment of isobar Δ^{2+}(1236) in radiative π^+p scattering, 22:46422 (NP-tr-1692)
  Possibility of measuring Σ^0—Λ transition magnetic moment in reaction $\pi^-p \rightarrow \Lambda K^0\gamma$, 22:29705
  Radiative corrections to elastic πd scattering amplitude at high energies and small momentum transfers, 25:33774
  T-odd correlation in $\Sigma^0 \rightarrow \Lambda e^+e^-$ decay due to final state interaction, 24:35681
KONDUROV, I. A. Delayed gamma transitions in ^{186}Re and ^{188}Re induced in neutron capture reactions, 21:2751
  K-forbidden isomeric E1 transition in ^{170}Tm, 21:40446
  Light nuclei from ^{233}U neutron fission, 24:6890
  Light nucleic yield at ^{235}U fission induced by thermal neutrons, 23:49410
  Low-lying ^{44}Sc excitation levels appearing in ^{45}Sc(nγ)^{44}Sc reactions, 21:27546
  Measurement of cross sections for neutron capture by radioactive /sup 58m/Co, ^{64}Cu, and ^{46}Sc nuclei, 23:3963 (BNL-tr-224)
  Neutron capture cross-section measurement by radioactive nuclei /sup 58m/Co, ^{64}Cu, and ^{46}Sc, 22:44674
  Pile-neutron burn-up cross section of ^{149}Pm and Sm poisoning, 21:14100
  Soft gamma radiation of odd-odd nuclei, 21:2667
KONDURUSHKIN, N. A. Angular distribution of neutrons scattered in air, 25:30639
  Distribution of neutrons in air, 22:45979
  Neutron dose from an isotropic point fission source, 24:48562
  Penetration of neutrons in air, 21:17284
KONECCI, Eugene B. Conference on space age in fiscal year 2001, Washington, D. C., 3/66, 21:46122
KONECKI, J. Influence of x-rays upon the mitotic activity and DNA synthesis in endometrial glandular epithelium, 25:26659
  Ribonucleic acid synthesis in endometrial epithelium in mice after whole-body x-ray irradiation, 25:27031
KONECKI, Janusz Influence of x-rays upon mitotic activity and DNA synthesis in endometrial gland epithelium in mice, 25:21891
KONECNY, B. Penetration and retention of tetracycline in a focus of developing clostridial myonecrosis in an irradiated organism, 23:18094
  Penetration of Clostridium aedematiens from myonecrosis into organism, 24:2785
KONECNY, C. Recovery of Sr by means of a polyantimonic(V) acid cation exchanger, 23:49912
  Strontium recovery from water waste, 23:24278 (UJV-2119-Ch)
  Studies on complex formation by solvent extraction method. V, 24:41406
  Studies on complex formation by solvent extraction method. IV, 24:41408
KONECNY, Charles Richard Process for removing contaminants from zirconium surfaces, 25:34710
KONECNY, Ctirad Extraction of Nb(V) by tri-n-butyl phosphate from strongly acid solutions, 21:24097
KONECNY, E. Diameter of etched fission fragment tracks in solid state nuclear track detectors as a function of the particle energy, 24:2470
  Experiments with mass spectroscopically separated fission product ions, 21:22101 (BMwF-FBK-67-02)
  Fine structure in fission fragment charge distribution, 22:30004
  Fission fragment charge distributions in mass chains A = 132, 133, and 134 as function of fragment kinetic energy, 22:18257
  Interactions of fission fragment ions with matter, 21:37091 (BMwF-FBK-67-56)
  Multiple and plural scattering of fission fragments, 22:18170
  Pairing effect in fission-fragment charge distributions, 21:33982
  Parabola spectrometer for the investigation of fission products, 22:28261
  Proton induced fission of ^{226}Ra, 24:13351
  Proton-induced fission (13-MeV) of ^{226}Ra, 22:44738
  Proton-induced fission of ^{226}Ra, 22:44739
  Search for bremsstrahlung-induced fission isomers of ^{238}U and ^{239}Pu, 25:56801
KONECNY, Ewald Nuclear charge distribution of heavy fission fragments from ^{235}U, 24:22181
KONECNY, J. Determination of iron by chelating radiometric titration, 21:19550
  Ion-exchange membranes in radiochelatometric titrations of traces of metals, 21:30360
  Radiochelatometric determination of lead, 22:16462
KONECNY, K. Angular distribution of neutrons from the reaction ^{7}Li(d,n)^{8}Be at 11.7 MeV, 21:44567 (ZFK-122, pp 195-200)
  Branching ratios and intensities of some transitions in ^{35}Cl(n,γ)^{36}Cl reaction, 25:10009
  Nuclear reaction method for the determination of boron, 23:28767
  Thermal neutron capture gamma-ray transitions in the low-lying states of ^{57}Fe, 22:18168
KONECNY, Klement Non-destructive determination of boron in metallic alloys by means of a nuclear reaction, 23:24124
KONECNY, Milan Histochemical and histoautoradiographical study of ^{125}I irradiated rat thyroid, 24:44608
  Later radiation induced changes in thyroids of ^{131}I treated rats, 23:29797
  Thyroid gland after ultrasonic irradiation, 22:437
KONENKO, I. R. Properties of rare-earth metals (Sc, Nd), their hydrides, carbides, and oxides, 25:29859
KONENKO, O. R. Diffusion accumulation of plasma in steady flow, 23:51663
  Electron cooling and diffusive flux of decaying weakly ionized plasma, 24:49128
KONERMANN, Gerhard Capability for learning and memorizing of trained quails following head irradiation, 25:29687
  Effects of fractionated radiation on the head phase of the embryonic development of the mouse, 23:2935
  Effects of fractionated x radiation on embryonic development of mouse. II, 23:10056
  Effects of x radiation on early postnatal development of mice, 25:32533
  Embryonic development of mice under influence of ^{60}Co gamma radiation, 23:38790
  Recovery processes in embryonic mice exposed to fractionated x radiation, 24:21300
  Role of the CNS on the radioprotective effect of 5-hydroxytryptamine, 25:4584
  Skeletal malformations in mice after fractionated x radiation, 23:33859
KONETSCHNY, W. Hard-pion technique for the axial vector current in the decay $\pi \rightarrow e\nu\gamma$, 24:15532
  Nuclear form factors from the Veneziano model, 25:3394
  Nucleon form factors in the Veneziano model, 25:12144
  Vector-meson dominance and A_1rhoπ system, 24:26431
KONEV, N. Oxidation kinetics of Nb—Zr alloys. V, 25:29769
KONEV, S. V. Effect of uv radiation on cell division and glycolysis, 21:26358
KONEV, V. N. Mechanism of oxidation of Nb—Zr alloys, 25:29767
  Phase diagrams of Pu with the metals of groups IIA, IVA, VIIIA, and IB, 21:32918
KONG, A. Decay of ^{12}C into three alpha particles, 25:17766
KONG, Jin-au Reflection and refraction of electromagnetic waves by a moving uniaxially anisotropic slab, 23:30584
KONG, Y. C. Effect of ionizing radiations on metabolism of chick, 24:41950
KONG A SIOU, D. Study of decay of ^{12}C into 3 α, 24:40555 (CEA-CONF-1498)
KONG-A-SIOU, Dy-Holm Decay of 16.11-MeV level of ^{12}C into 3 α particles, 25:20270 (NP-18626)
KONGSHAUG, M. Hydrogen ion yields in the radiolysis of neutral aqueous solutions, 23:35242
  Phenyl and hydroxyphenyl radicals. Pulse radiolysis study of their spectra and reactivity, 25:10631
  Spur reactions as studied by steady-state radiolysis, 25:21043
KONGSHAUG, Magne Comparison of the reactivities of dry and mobile electrons, 25:39550
KONICEK, C. F. Manufacture of vibratorily compacted fuel elements, 24:19394 (ANL-7647)
KONICEK, J. Induction of pigmentation change in M. phlei by uv radiation, 22:40623
  Mutagenic effect of ethyl methane sulfonate on Mycobacterium phlei, 24:12048
  Mutagenic effect of ultraviolet radiation and nitrous acid on Mycobacterium phlei, 21:34833
  Mutagenic effect of uv on M. phlei, 23:50423
KONICKOVA-RADOCHOVA, M. Induction of mutants Mycobacterium phlei P by uv radiation, 24:9816
KONIECZNY, P. P. Relationship between alpha grain size and crack initiation fatigue strength in Ti—6Al—4V, 25:35349
KONIEVA, L. Z. Saturation by C of liquid Mo, W, and Re in arc furnace, 25:37964
KONIG, Edward Extension of Chou—Yang model to include spin, 25:59513
KONIGSBUCH, M. Apparatus for the study of reactions in stationary droplets by radioactive tracers, 22:2060
  Laboratory apparatus for the investigation of spray reactions with the aid of radioactive tracers, 21:8233 (IA-1078)
KONIJN, J. Allowed K-capture to positron emission ratios in decays of ^{48}V and ^{52}Mn, 21:42597
  Decay of ^{112}Ag, 23:8993
  Decay of ^{178}Re, ^{177}Re, and ^{176}Re, 25:5733
  Decay of ^{180}Os, 22:42054
  Decay of ^{214}Pb and other ^{226}Ra daughters, 23:44934
  Decay of ^{44}Sc and ^{48}V, 21:4254
  Decay of ^{57}Ni, 21:33928
  Decay of ^{70}As, 22:44638
  Decay of ^{81}Se, 23:15407
  Decay of ^{93}Tc and ^{102}Rh, 22:27167
  Decay of 2.5 min ^{180}Re, 22:3725
  Decay of isomers of ^{102}Rh, 25:3671
  Decay of some nuclei far from the stability line studied with standard spectroscopic techniques, 25:28322 (CERN-70-30(Vol.2), pp 939-47)
  Energy levels of $_{68}{}^{166}$Er and $_{69}{}^{166}$Tm (7.7 h) excited in decay of $_{67}{}^{166}$Ho (26.7 h), /sup 166m/Ho (1.2 X 10^3 yr), and $_{70}{}^{166}$Yb (57 h), 21:35481
  Evidence for dipole—quadrupole—octupole mixing in 902 keV $2^- \rightarrow 2^+$ transition in ^{180}W, 25:53767
  Half-life of 1552-keV level in ^{234}U, 23:7318
  Intensities of γ-rays in the ^{57}Co decay, 25:43882
  Investigation of the ^{66}Zn states fed in the beta decay of ^{66}Ga, 21:5521
  Isomer with spin $^1/_2$ in ^{196}Au, 21:10044
  Isomeric decay of ^{73}Se, 24:43193
  Levels in ^{238}Pu from decay of ^{238}Np, 25:20431
  Neutron deficient rhenium and osmium isotopes, 22:27182
  Nuclear level structure in the A = 180 region, 24:43382
  On-line prompt and delayed electron and gamma ray spectroscopy at University of Colorado cyclotron laboratory, 23:46862 (COO-535-598)
  Radioactive decays of 6.7 min /sup 179m/W and 38 min ^{179}W, 24:6900
KONIK, L. P. Differential photometric method for determining refractory materials, 24:38730
KONIKOVA, A. S. Incorporation of radioactive amino-acids in the α and β polypeptide chains of hemoglobin in systems of varying complexity, 22:18860
KONIKOWSKI, T. Effects of ^{10}B dose, thermal neutron fluence, and reactor on therapy of a mouse neoplasm, 22:31148
  Localization of radiochlormerodrin in mouse brain tumor, 25:16236
  Transplantable mouse neoplasm control by neutron capture therapy, 21:41450
KONIN, A. D. Argon K series in atomic capture of negative muons, 21:20769
  Charged particles produced in capture of negative muons by ^{28}Si, ^{32}S, ^{40}Ca, and ^{64}Cu nuclei, 25:31267
  Coordinate proportional counter, 24:21007
  Excited nuclear states during capture of negative muons by carbon and oxygen, 24:38117
  Excited states of nuclei in negative muon capture by carbon and oxygen, 24:8841 (JINR-P15-4745)
  Light yield of CsI(Tl) crystal bombarded with protons, deuterons, and tritons, 25:33406 (JINR-P1-5682)
  Measurement of muon (2p—1s)-transition energies in atoms from sulfur to chromium, 21:16803
  Measurement of ppμ molecule formation rate in gaseous hydrogen, 23:44174
  Measurement of ppμ-molecule formation rate in gaseous hydrogen, 22:45921 (JINR-P15-3964)
  Method of precise determination of particle coordinates in proportional chamber, 25:23769 (JINR-P13-5628)
  Muon capture in gas mixtures, 21:24896
  Structure of K series in atomic capture of negative muons, 21:20770
KONING, C. Prog. rpt. on embrittlement in steel using small specimens in particular with respect to irradiation, 1—6/68, 23:12373 (EURAEC-2057)
  Prog. rpt. on embrittlement in steel in particular with respect to irradiation, semiannual, 7—12/68, 23:41601 (EURAEC-2085)
  Prog. rpt. on embrittlement in steel with respect to irradiation, annual, 1—12/69, 24:42163 (EURAEC-2139)
KONINGSBERGER, D. C. Production of free radicals in DNA by γ rays, 25:496

KONIORDOS, I. Isotope shift of (4f—5d) electron transitions in Eu^{3+}, 22:38750
  Nuclear quadrupole moment of ^{209}Bi, 23:11013
KONISHI, Eiichi Lateral distribution of high-energy gamma-ray in air shower, 25:30793
KONISHI, Emiko Internal contamination of cyclotron workers, 24:2682
  Radiation leakage from electron microscopes, 24:21192
  Safety handling of x-ray diffraction apparatus, 23:50568 (N-69-31500)
  Some considerations of safety handling of x-ray diffraction apparatus, 22:19226
KONISHI, J. Determination of free thyroxine in human serum, 23:45230
KONISHI, Junji Determination of protein-bound I in sera by neutron activation analysis, 21:32096
KONISHI, K. Stepwise determination of Th, Pa, and U isotopes and their applications in geochronological studies, 22:6271
KONISHI, Keisuke Calculation of dose distributions in radiation therapy by a digital computer. I, 23:20314
KONISHI, Kenji Evaluation of apparent ionium ages of some hermatypic corals, 25:54776
KONISHI, Kunio Radiation-induced sulfoxidation and sulfochlorination of powdery polyethylene produced by radiation process, 25:29107
  Radioinduced polymerization of ethylene. II, 24:31387
KONISHI, Naoko X-irradiated and neutron-irradiated rabbit lenses, 24:32219
KONISHI, S. Detection of rho-mesons produced by muon—nuclei interactions, 25:33526
KONISHI, T. Inelastic interactions induced by 5 GeV/c muons in nuclear emulsion, 22:22289
  Measurement of central fission ratios and fission rate distributions in FCA, 25:37066 (JAERI-Memo-4356)
  Muon capture rate in ^{12}C with exact nuclear and muon wave functions, 22:26915
  Pionic complex level shifts in light nuclei, 22:27390
KONISHI, Takao Effects of fabrication conditions on mechanical properties of Zircaloy tubes, 25:42860
  Zircaloy tubes for nuclear cladding, 25:2695
KONISHI, Takeharu Program for analysis of bubble-chamber photographs, 25:4372 (SJC-T-70-3)
KONISHI, Teruaki Muon capture in ^{12}C and nuclear structure, 23:8946
  Muon capture in ^{12}C and nuclear structure, 23:44834
  Nuclear excitation by the bound muon, 25:43913
KONISHI, Toshio Changes of salivary gland function following telecobalt therapy of maxillary cancer, 21:36716
  Correction factor P(t) for fast fission effect measurements, 23:37219
  Pulsed neutron experiment on FCA I-5, 25:28759 (JAERI-Memo-4272)
  Some studies on the effectiveness of control rods, 21:44949
KONISHI, Y. Pionic complex level shifts in light nuclei, 22:27390
KONISHI, Yozo Pionic complex level shifts and optical potential parameters in terms of the π—N scattering length, 25:43806
KONISI, Gaku Bound states of Dirac particle, 23:39690
  Breakdown of the associative law for current operators in a model in two-dimensional space—time, 21:40157
  Derivatives of baryon trajectories at W = 0, 24:42976
  Eigenchannels and unitary separation of background parts in Regge-pole theory, 24:52230
  Operator formalism of dual resonance model with different trajectories, 25:38799 (OU-LNS-71-4)
  q-number Schwinger term and the breakdown of associative law for current operators, 21:35323
  Reflection symmetry of conspiring Fermion trajectories, 22:53036
  Reggeization of particles with identical quantum numbers, 21:40199
  Sum rule for the magnetic moment of arbitrary spin particle and simple application to nucleus, 21:27643
  Unitarity, factorization theorem and removal of level degeneracy in dual resonance model, 25:25523 (OU-LNS-71-1)
KONJEVIC, N. Determination of some transport properties of argon from transient arc behaviour, 22:41559
  Electron density measurements during a current perturbation of a wall stabilized argon arc, 22:7271
  Laser interferometric measurements of electron density in an arc plasma, 21:42042
  Laser interferometric measurements of electron density in shock-wave plasma, 24:45226
  Measurement of arc electron densities using a CO_2 laser, 23:12778
  Stark broadening of neutral He line 5876 A in plasma, 24:35411
  Stark-broadening parameters of some singly ionized argon lines, 24:30149
KONKASHBAEV, I. K. Dense-plasma pulsed thermonuclear facility, 24:49198
  Energy balance in a dense fusion plasma contained by walls, 24:28335
  Experiments with a high-current pulsed arc, 22:5330
  Experiments with high-current pulsed arc, 21:23214 (NP-16669)
  Ohmic heating of dense hydrogen plasma, 22:22124
  One type of current instability of a plasma of finite conductivity, 25:1227
  Pulsed thermonuclear system with a dense plasma, 22:17612 (MATT-Trans-50)
  Pulsed thermonuclear system with dense plasma, 22:15505 (IIF-LA-4)
  Thermonuclear combustion wave, 25:27820
KONKIN, V. D. Optimal conditions for extraction of Zr, Hf, Th, and Fe(III) with Arsenazo I and diphenylguanidine, 24:36378
KONKOV, A. A. Intensity of emission continuum of the negative nitrogen atom, 23:34267
  Thermodynamic and gas-dynamic parameters of low-temperature plasma, 21:40003 (AD-653553)
KON'KOV, A. S. Heat transfer in flow of steam and water in heated pipes, 21:39117 (NP-tr-1522)
KON'KOV, N. G. Use of electron accelerators for carrying out radiation chemical processes, 24:13919
KON'KOV, V. L. Derivation of quantum kinetic equation, 21:44111
  Kinetic equation for the system of interacting particles, 23:39589
  Kinetic theory of the pinch effect, 25:36135
KON'KOVA, O. V. Complexometric determination of main metal components of In, La, Zr, and V salts, and of Ga oxide and Sc, 25:44332
KONKS, V. A. Neutron radiation capture by nuclei with A = 140—200, 21:40423 (JINR-P3-3417)
  Radiative capture of neutrons by nuclei with A = 140 to 200, 22:32592
KONNEKER, W. R. In-vitro testing: T-4, 24:31785
KONNERT, John Crystal structures of dimers of uracil and 6-methyluracil, 24:16373 (NYO-2798-51)
KONNO, Hiroshi Effect of pressing with a high-pressure apparatus on WC—Co hard metals, 21:18337
  Sintering of WC powder and WC—Co mixed powder under high pressure, 21:32971
KONNO, K. Electromagnetic form factors of baryons and quark model, 21:4019
  Electromagnetic mass differences of baryons and quark model, 21:4020
KONNO, Kenjiro Autoradiographical studies on spermatogenesis in fish, Oryzias latipes, with special reference to radiation effects on fertility of fish, 23:913
  Effects of x irradiation on fertility of male of Oryzias latipes, 21:39509
KONNO, Kimiaki Comment on parity violating nonleptonic hyperon decays, 25:22762
  Electromagnetic properties of baryons and the quark model, 21:17074
  Electromagnetic properties of mesons in the quark model, 21:33649
  Exchange current and decays of decuplet baryons in the quark model, 22:32150
  Exchange current and leptonic decays of baryons in the quark model, 22:52968
  Exchange magnetic moments of baryons and the quark model, 22:5531
  Phenomenological angle for SU(3)-symmetry breaking. II, 23:39765
  Phenomenological model for π and K meson decays, 22:32112
  Remarks on electromagnetic mass differences, 22:5529
  Two phenomenological angles for SU(3) symmetry breaking. I, 23:25670
KONNO, T. Carbon—Al parallel plate dynode electron multiplier, 23:9705
KONNO, Tadashi Parallel plate dynode electron multiplier, 23:41017
KONNOV, B. A. Clinical and dosimetric assessment of radiotherapy with beams of heavy particles of high-energy, 23:29509
  Dosimetry in radium therapy, 25:11069
  Technique of stereotaxic proton irradiation of the hypophysis and other cerebral regions, 24:6094
KONNOV, V. A. Precipitation of Ti, Zr, and Th and their separation from Fe and Al.with phenylacetic acid, 25:20919
KONNOV, V. N. Neutron spectrum in air from a critical assembly of ^{235}U + Cu, 23:5798
KONNOV, Yu. I. Structural transformation in Ni—Cr alloy under irradiation. II, 21:9207
KONNOVA, N. I. Combined action of acceleration and ionizing radiation on the organism of animals, 21:16442 (JPRS-38272, pp 282)
KONO, A. Formation of superconducting Nb_3Al and Nb_3Al—Ge films, 25:38313
KONO, Akira Tumor-specific localizing agent for radioisotope image, 24:5988
  Tumor-specific localizing agent for radioisotope image. IV, 25:10921
KONO, Hiroshi Preoperative irradiation of lung cancer, 24:2761
KONO, Isao Nuclear physics using heavy ions. II, 24:38036
  Production of multicharged ions of C, N, and O by the heavy ion source for cyclotron, 21:29683
KONO, K. Photoelastic analysis of stresses at skirt-support junctions of nuclear pressure vessel models, 22:14303
KONO, Michiyuki Secondary electrons in the radiolysis of cyclohexane, 21:36004
KONO, Nobuski Remotely operated pipetter, 22:37915
KONO, Reisaku Local immunity of intestinal tract of chickens after oral administration of Newcastle disease virus, 24:34177
KONO, Takuji Multichannel analyzer, 23:14111
KONO, Tsuyoshi Measurement of plasma progesterone, 24:31777
KONO, Yoshimi Radiation curing of mixture of diallylphthalate prepolymer and vinyl monomer. III, 25:10606 (JAERI-5026, pp 101-7)
KONOBEEV, Yu. V. Effect of the β radiation of tritium on luminescence and energy transfer in anthracene, 24:51809
  Emf of a semiconductor coated with a fissionable material, 25:7449
  Energy spectrum of secondary electrons on passage of alpha particles through thin films, 23:44157
  Energy spectrum of secondary electrons produced by α particles and fission fragments passing through thin films, 23:46245
  Theoretical model of fast-neutron-induced swelling in metals, 25:55582
KONOBEEVSKII, E. S. Inelastic neutron scattering by even-N Ge isotopes, 25:31244
KONOBEEVSKII, S. T. Change in α-plutonium electrical-resistivity during neutron irradiation in liquid nitrogen, 25:1300
  Change in electrical resistance of fissionable materials during irradiation by neutrons in liquid nitrogen, 25:52901 (JPRS-53800, pp 62-71)
  Effect of nuclear radiation on the phase composition of uranium alloys with low content of alloying elements, 21:43611
  Experimental methods and conditions for irradiation of materials, 22:6318 (JPRS-43250)
  Influence of irradiation on mechanical properties of single crystals of α—U, 25:52402 (JPRS-53800, pp 215-22)
  Influence of reactor irradiation on the phase composition of uranium containing small quantities of alloying elements, 22:23847 (AERE-Trans-1093)
  Ionizing radiation effects on metals and alloys, 22:11020
  Mechanism of low neutron dose radiation growth of uranium, 22:34085
  Radiation effects on solids. Introduction to radiation material studies, 21:28809
  Radiation growth of uranium at low burnups, 24:42169
KONOBEEVSKII, Sergei Tikhonovich Effects of irradiation on materials: introduction to radiation study of materials, 22:34092
KONOCHKIN, V. G. 15th anniversary of world's first nuclear power plant, 23:34910
  Organisation of experimental work on fuel-element testing at the first atomic power station reactor, 25:39164 (LB/G-3024)
  Possibility of use of chelating agents in primary circuit of water-cooled nuclear reactor with two circuits, 23:40656
KONONCHUK, L. V. Photoelectron multiplier FEU-77 for recording light pulses from opitcal quantum generators (lasers) in 700-nm range, 22:47423
KONONENKO, A. M. Accumulation of cells with chromosome abberrations in the normal and irradiated murine liver, 22:33782
  Cellular population in small intestine in x irradiated mouse, 23:41418
  Change in the number of epithelial cells on the villi of the small intestines of irradiated mice, 23:29772
  Frequence of appearance of spontaneous and radiation chromosome breakages in liver cells, 22:36227
  On the influence of cell abnormal growth on crypt cell population kinetics in irradiated intestinal epithelium, 23:10036
  Radioprotective effect of AET on small intestine of mice. I, 24:12132
  Regeneration of cell populations of intestinal epithelium after irradiation, 25:27033
  Some characteristics of the crypt cell population kinetics in normal and irradiated small intestine of the mouse, 23:14250
KONONENKO, K. I. EPR spectra of lyophilized irradiated microorganisms, 24:4573
KONONENKO, Kononerko Spectrophotometric methods of determining individual rare earth elements, 23:45203
KONONENKO, L. I. Absorption-spectrophotometric determination of certain rare earth elements in the aqueous acetone solutions of dibenzoylmethane complexes, 25:34527
  Analytical use of the fluorescence of four-ligand β-diketone complexes of Eu and Sm with organic bases, 21:15841
  Complexes of uranyl ions with thenoyltrifluoroacetone and derivative of phenyl-3-methylpyrazolone-5, 25:51597
  Excitation of the uranyl ion by intramolecular energy transfer, 22:16548
  Extraction of triple complex compounds of rare earth elements with thenoyltrifluoroacetone and 1,10-phenanthroline by organic solvents, 23:9530
  Extraction-photometric determination of U(VI) as complex compound with thenoyltrifluoroacetone and rhodamine C, 23:4538
  Fluorescent reaction for Tb with the phenyl ether of salicylic acid, 21:4466
  Fluorometric determination of Sm and Eu in aqueous acetone solutions by complexing with β-diketones and organic bases, 23:13639
  Increasing the sensitivity of the determination of europium and samarium admixtures in preparations of rare earth elements, 23:7461
  Ternary thenoyltrifluoroacetone complexes of uranyl ions with 1,10-phenanthroline or 2,2'-dipyridyl, 22:18795
  Use of four-ligand thenoyltrifluoroacetone complexes for determination of rare earth elements, 23:17339
KONONENKO, S. G. Attenuation of nonlinear synchrotron oscillations of two clusters in the case of the interaction of the beam with a resonator, 24:45664
  Damping of non-linear synchrotron oscillations of two bunches in the presence of beam-cavity interaction, 25:41132 (CERN-Trans-71-19)
  Effect of synchrotron-oscillation resonances on longitudinal beam instability in a storage ring, 25:41144 (UCRL-Trans-1439)
  Investigations of nonlinear synchrotron fluctuations, 23:52040 (FTI-AN-347)
  Radiation damping of large-amplitude synchrotron oscillations, 24:52334
  Research on 100-MeV electron storage ring of Technical Physics Institute of Ukrainian Academy of Sciences, 25:12307 (KHFTI-69-27)
  Studies of resonances of nonlinear synchrotron oscillations, 25:3488
KONONENKO, V. I. Azimuthal current and microwave radiation in theta pinch, 25:36122
  Combination scattering of microwaves by low-frequency oscillations in an electrodeless induction discharge plasma, 24:40131 (KHFTI-69/52)
  Investigation of the growth of azimuthal current and microwave radiation of a theta-pinch plasma, 23:36671 (NP-17943)
  Investigation of the growth of azimuthal current and microwave radiation of a theta-pinch plasma, 24:10526 (AEC-tr-7112)

- Microwave scattering by low-frequency oscillations in theta-pinch plasma, 25:9520
- Spatial density distribution of plasma by refraction of microwave, 21:18649
- Spatial distribution of plasma density by microwave refraction, 22:11418
- KONONENKO, Yu. G. Development of arc discharge in crossed electric and magnetic fields, 24:1426
  - Experiments on production of intense hydrogen beams, 23:13170
- KONONETS, Yu. V. Theory of channeling effects. I, 24:24119
  - Theory of channelling effect. I, 24:38301 (IAE-1878)
- KONONOV, B. A. Amplitude inhomogeneity of the betatron magnetic field, 23:39900
  - Analysis of the change in energy distribution of fast electrons in shielding using magnetic beta spectrometers, 23:14106
  - Channeling protons in single crystals of ionic compounds and semiconductors, 25:7464
  - Distribution of electrons after passing through the thick samples, 23:48708
  - Energy distribution for 6.72-MeV protons in monocrystals, 23:7053
  - Influence of crystal structure on loss of energy by fast protons in alkali metal halides, 22:46248
  - Model for particle motion in betatron chamber, 24:38010
  - Modeling of particle motion in a betatron chamber with excitation of parametric resonance of radial free vibrations, 24:49645
  - Orientational dependence of fast protons energy losses in KBr single crystal, 23:12986
  - Passage of electrons through thick layers of matter (energy distribution), 24:24219
  - Proton channeling in silicon at different temperatures, 25:17293
  - Stopping electrons with matter, 25:47609
  - Study of energy and angular distributions of electrons behind barriers of different thickness, 23:14859
  - Study of the energy and angular distribution of electrons behind barriers or different thickness, 23:42379 (ORNL-tr-2178)
  - Temperature dependence of fast proton channeling in Si single crystals, 24:21853 (ORNL-tr-2279)
- KONONOV, B. N. Apparatus for Luna-10 automatic station for investigation of gamma radiation of lunar rocks, 22:43083
  - Multichannel amplitude analyzer for cosmic investigation, 22:43084
- KONONOV, B. P. Radiation acceleration of a plasma, 21:18735
- KONONOV, E. Ya. Fine structure of principal term of Ca XV and coronal lines, 23:51271
  - Laser spark excitation source of spectra of highly ionized atoms, 23:12491
  - Production of spectra of multiply charged ions by focusing laser radiation on a solid target, 21:23170
- KONONOV, S. V. Intensity of specific heat flux in jets of high-frequency electrodeless plasmatron in the air, 21:25141
- KONONOV, V. I. Divergence of ion beams with finite phase volume, 24:38047
  - Ion-optic matching by random search method, 21:40305 (NP-17011)
  - Limits for proton currents in accelerator tube with strong focusing, 22:1538 (CERN-Trans-67-4)
  - Pierce electrodes for conic ion beams, 23:3288
  - Saturated currents of protons in acceleration tubes, 23:19091
  - Secondary electron characteristics of accelerator tubes with strong focusing, 25:7782
  - Starting methods and experience in operation of uranium—graphite channel type reactors with tubular fuel elements and nuclear superheating of steam, 25:34227 (JPRS-53069, pp 83-95)
- KONONOV, V. K. Resonance acceleration of particles in magnetic field by plane wave, 24:49294
- KONONOV, V. N. A method to determine the d-neutron strength functions for even—even nuclei from radiative capture cross-sections, 21:17405
  - Experimental studies of nuclear constants for fast reactors, 23:52453 (JPRS-48331, pp 51-73)
  - Fast fission ionization chamber, 24:20977 (ANL-Trans-819)
  - Fast ionizing fission chamber, 23:45511 (FEI-143)
  - High-speed fission ionization chamber, 24:27364
  - Measurement of ratio α of radiative-capture and fission cross-sections for ^{239}Pu in energy range of neutrons 0.1-30 keV, 25:38989 (LB/G-2876)
  - Measurement of the ratio of the radiative capture to fission cross sections (α) for ^{239}Pu in the neutron energy range 0.1 to 30 keV, 25:56734 (BNL-tr-446)
  - Radiative capture cross sections for fast neutrons for Ag, Dy, Ta, W, and Re, 21:13895
  - Radiative capture of fast neutrons, 22:39606 (LA-tr-68-18)
- KONONOVA, L. N. Uranium content in atmospheric aerosols, 21:1284
  - Uranium content of atmospheric aerosols, 22:10376
- KONONOVA, R. International comparisons of ionization chambers, 24:46519
- KONONOVICH, A. L. Secondary contamination of the surface of a material by absorbed radioactive substances, 25:52051
- KONONOVICH, E. V. Use of a Fabry—Perot etalon for obtaining monochromatic solar images, 22:52440
- KONOPAC, J. Isotopic composition of mineral waters, 21:32272
- KONOPATZKY, Ruth Radiosensitizing effect of 6-azauracilriboside, 22:47555
- KONOPEL'CHENKO, B. G. Discrete transformations in six-dimensional model of Minkowski space, 25:12252
- KONOPINSKI, Emil Jan Classical descriptions of motion, 23:51990
- KONOPKA, Lech Kinetics of ^{59}Fe and erythrokinetics of ^{51}Cr in chronic lymphatic leukemias, 21:17983
- KONOPKO, E. Effect of gamma rays upon plants with mildew, 24:6141
- KONOPLEV, E. G. Use of ionizing radiations to preserve silage, 24:44643
- KONOPLEV, K. A. Electrophoresis filter for purifying reactor water, 22:20915 (ZFK-RN-31, pp 110-21)
  - Electrophoretic filter for purifying reactor water, 21:10207
  - Entrainment of neutrons by a moving medium, 25:5486
  - Investigation of radiolytic products during reactor WWR-M operation without including degasification system, 22:35609
  - Neutron transport by a moving medium, 25:28815 (BNWL-tr-66)
- KONOPLEV, N. S. Expansion device and fast-acting valve for large bubble chambers, 22:47377
  - Thermodynamic and physical characteristics of mixtures containing bromotrifluoromethane and propane, 23:45551
- KONOPLEV, Yu. V. Pulsed neutron—neutron logging for separating oil-bearing and water-bearing formations, 24:5744
  - Testing pulsed neutron—neutron method in oil and gas fields, 24:9504
- KONOPLEVA, L. N. Investigation of radiation changes in one-component samples from SiO_2, MgO, Al_2O_3, and B_2O_3, 23:39536
  - X-ray investigation data for crystalline structure of silicon formed in ceramics at radiolysis, 23:39535
- KONOPLEVA, N. P. Group straight-line motions and the geometric theory of fields, 22:22445
  - Integral conservation laws in the general theory of relativity, 24:37903
  - Invariance and elementary particle theory, 22:1463
- KONOPLEVA, O. N. Detection and quantitative determination of submicroamounts of ruthenium in zones of paper chromatograms and electrophoregrams by a kinetic method, 25:37299
- KONOPLEVA, R. F. Annealing processes in n-type Ge irradiated with high-energy protons, 25:45542
  - Defects in Ge irradiated by high-energy protons, 23:51754
  - Effects of copper admixture and dislocations on formation of radiation defects in germanium and silicon on irradiation by fast neutrons, 23:51769
  - Formation and annealing of radiation defects in Ge, 25:59159
  - Formation of disturbance areas in a fast-neutron-irradiated silicon, 22:39186
  - Oscillations of photocurrent in Ge with radiation defects, 25:7452
  - Oscillations of photocurrent in Ge with radiation defects, 25:56316
  - Recombination properties of n- and p-type Ge irradiated with 660-MeV protons, 25:45544
- KONOPLEVA, V. P. Conference on physics of comets, Kiev, 10/65, 24:42431
- KONOPLYA, S. P. Biological thresholds for mutagenic influence on plants, 25:21957
  - Experimental mutagenesis of fine fiber cotton, 22:49316
  - Role of variety in mutagenesis of cotton, 25:26728
- KONOPLYANIKOV, A. G. Measuring redox potential in animal tissues when selecting effective radioprotectors, 22:25867
  - Use of models for evaluation of radioprotective effect of aminothiols, 22:25900
- KONOPLYANNIKOV, A. G. Chemiluminescence as a result of influence of free radicals on normal and irradiated yeast cells, 22:28300
- KONOPLYANNIKOV, A. T. Chemiluminescence on exposure of normal and irradiated yeast cells to the action of free radicals, 21:14777
- KONOPLYANNIKOVA, O. A. Radiosensitivity of mammalian somatic cells, 21:24565
- KONOROVA, E. A. Semiconductor layers and structural changes produced in diamond by ion implantation, 25:3199
- KONOROVA, Elena Alexandrovna Nuclear radiation detector, 25:2441
- KONOSHIMA, Shigeru Plasma confinement experiment on Heliotron D machine, 25:38375 (CONF-710607-108)
- KONOTOP, P. N. Behavior of plasma produced by ohmic heating in "URAGAN" high shear stellarator, 24:26175 (CTO-677)
- KONOTOP, Yu. F. Peculiarities of uranium deformation for tension at constant velocity, 25:13688
- KONOVALENKO, B. M. Influence of light on the low-temperature annealing of radiation defects in germanium, 22:22231
  - Kinetics of impurity photoconductivity in Si containing radiation defects, 21:16993
  - Photoelectret states in silicon containing radiation defects, 21:18809
- KONOVALOV, A. E. Analysis of electrode heating on an arc burning in a moving plasma, 22:9385
  - Distribution of electrical potential in channel with solid electrodes, 25:1039
  - Evaluation of thermoelectric effects in the near-electrode region of gas discharges, 24:28258
  - Influence of transverse magnetic fields on thermal flow towards electrodes in high-current discharges, 24:21785
- KONOVALOV, A. G. Recorder for NMR spectra under pressure, 23:6328
- KONOVALOV, A. I. Estimation of the molecular weight of the anomalous component of modified water by a cryoscopic method, 24:20670 (ORNL-tr-2301)
- KONOVALOV, B. S. A_1 and A_2 meson production in πp collisions at 4.45 GeV/c, 25:38674
  - Deck's effect in reaction $\pi^- p \to$ rho$^0\pi^- p$ at 4.45 GeV/c, 25:38660 (ITEF-790)
  - Interaction $\pi^-\pi^-$ in the reaction $\pi^- p \to N^{*++}(1236)\pi^-\pi^-$ with impulse 4.47 GeV/c, 25:9655 (ITEF-767)
  - Liquid—hydrogen bubble chamber with diameter of 50 cm, 22:38086
  - Pi$^-\pi^-$ interaction in the reaction $\pi^- p \to N^{*++}(1236)\pi^-\pi^-$ at 4.45 GeV/c, 24:51975
  - Reaction $\pi^- p \to$ rho$^0\pi^- p$ with impulse 4.45 GeV/c, 25:9656 (ITEF-775)
  - Resonance production in $p\pi^+\pi^-$ system in reaction $\pi^- p \to p\pi^+\pi^-\pi^-$ at 4.45 GeV/c, 25:45677
- KONOVALOV, E. A. Electromagnetic unidirectional air valve KD-1 with a pilot signal, 21:6358
- KONOVALOV, E. E. Determination of hydrogen in sodium coolant, 24:36026
  - Determination of oxygen in cesium metal by vacuum distillation method, 22:33254
  - Polonium concentration in bismuth by a zone-melting method, 21:32249
- KONOVALOV, I. M. Morphology of uranium—molybdenum ore bodies, 23:2429 (AEC-tr-6997)
  - Uranium mineralization in subvolcanic rocks, 24:36430
- KONOVALOV, O. G. Calibration of dE/dx counters for cosmic muons, 23:45549
  - Characteristics of spark chamber with rubber packing, 21:39242
  - Nonuniform luminescence by large scintillators with various light conductors, 21:39224
  - Operation of a 34-cm freon bubble chamber in the photon beam of a 2-GeV electron linear accelerator, 25:21434
  - Polarization of protons produced in interactions between photons 650- to 840-MeV photons and ^{7}Li and ^{12}C nuclei, 24:30709
  - Spark chamber with graphite electrodes, 25:18785
  - Telescope of spark chambers with a magnetic spectrometer for polarization experiments, 25:42146
- KONOVALOV, V. G. Some effects observed during the collision of shock waves and plasmoids in a shock tube with induction discharge, 21:3879
- KONOVALOVA, L. S. Interaction between temperatures in nonlinear heat transfer phenomena in fuel elements, 24:2390
- KONOVALOVA, L. V. Effects of external sources of magnetic field at F2-layer heights. I, 21:39906
  - Magnetic chart of Brazilian anomaly, 22:15471
- KONOVALOVA, O. T. Water-chemical mode at AEPS with channel reactor and nuclear steam superheating, 25:34200 (JPRS-53069, pp 118-23)
  - Water-flow and chemical conditions of operation of atomic power plants based on a channel-type reactor with nuclear superheating of the steam, 25:48140
- KONOVALTSCHIKOFF, O. Compatibility of ferritic steels with liquid sodium at high temperatures, 25:49406 (CEA-CONF-1787)
  - Kinetic aspects of corrosion of steels in flowing sodium, 23:14294 (CEA-CONF-1186)
- KONOVODCHENKO, V. A. Nonisothermal superconducting bolometer. II, 25:58952
- KONOWALOW, Daniel D. Energy of interaction between two hydrogen atoms using Gaussian-type functions, 24:39837
  - Natural orbitals for H_2, 23:10445
- KONOZENKO, I. D. Action of penetrating γ radiation on primary crystallization of cast iron, 23:41690
  - Application of ionizing radiation to studying the processes of structure formation in metals, 22:23829
  - Bulk-gradient γ-ray induced emf in p-type Si, 25:45545
  - Changes in properties of p-type Si under γ-ray irradiation, 25:7466
  - Defects introduced in n-type GaAs on irradiation by ^{60}Co γ quanta, 23:51772
  - Effect of gamma irradiation on certain properties of the ML5 Mg foundry alloy, 23:8255
  - Effects of γ-irradiation on degradation of austenite in steel, 24:27803
  - Gamma radiation effects on certain properties of foundry alloy ML5, 22:8803
  - Gamma radiation effects on electric properties of GaAS of p-type, 22:24485
  - Influence of nuclear irradiation on properties of refractory compounds, 21:28867
  - Influence of temperature on the kinetics of the gamma conductivity of cadmium sulfide, 22:14866
  - Investigation of irradiation effects in titanium and chrome carbides, 21:3561
  - Light effects on formation of recombination centers in Si and Ge induced by ^{60}Co γ irradiation at 77 and 300°K, 23:42400
  - Properties of neutron-irradiated cast industrial steel ML5, 22:8802
  - Properties of neutron-irradiated ML5 industrial foundry alloy, 23:8257
  - Radiation defects created by γ rays in p- and n-type Si, 24:5204
  - Radiation defects in silicon of high purity, 25:38553
  - Radiation effects in p-silicon, 21:31119
  - Radiation physics of nonmetallic crystals, 22:24491
  - Rate of introduction of gamma-radiation defects in silicon, 23:51770
  - Structure of gamma-irradiated metals, 24:14820
  - Volume gradient of γ-emf in p-Si, 25:9568
- KONRAD, Gerhard Thies Harmonic generation in nonlinear beam-plasma systems, 24:15292
- KONRAD, H. Behavior of erythrocyte kinetics of patients with panmyelopathy, 25:49247
- KONRAD, Karl F-aggregate and ionized F-aggregate centers in sodium fluoride, 24:18991
- KONRAD, M. Detector pulse shaping for high-resolution spectroscopy, 22:28147
  - Pulse-height spectrometer stabilizer systems, 23:22066
  - Statistical errors of direct pulse rate ratio measurement, 23:41043 (EUR-4289, pp 349-53)
- KONRADI, Andrei Electron and proton fluxes in the tail of the magnetosphere, 21:46219 (N-67-18713)
  - Explorer 12 magnetopause observations, 23:27439 (N-69-11535)
  - Explorer 12 magnetopause observations: large-scale nonuniform motion, 23:39379
  - MeV particles in outer zone, 24:12689 (N-70-11232)
  - Proton events in the magnetosphere associated with magnetic bays, 21:24976 (N-67-11371)

  - Proton events in the magnetosphere associated with magnetic bays, 21:37288
  - Rapid increases in the proton and electron fluxes in the magnetosphere, 22:31711
  - Rapid increases in the proton and electron fluxes in the magnetosphere, 22:41442 (N-68-18191)
  - Response of ion—electron detector flown on Explorer 12, 8—12/61, 23:26514 (N-69-14028)
  - Solar protons after flare of July 7, 1966 observed in magnetotail and magnetosheath, 23:16709 (N-68-32908)
  - Solar protons after the flare of July 7, 1966, 23:16604
- KONRADY, A. Diagnostic value of ^{131}I-excretion and forty-eight hour activity of the thyroid, 25:24266
- KONSHIN, V. A. Characteristics of the interaction of high-energy nucleons with nuclei, 24:5446
  - Current status of ^{238}U capture cross-section data in neutron energy region 2 keV to 10 MeV, 24:52557 (INDC(NDS)-18/N)
  - Distribution of secondary neutrons produced by 660-MeV protons in blocks of graphite and Ni, 21:21474
  - Dose of neutrons produced by 660-MeV protons behind flat shielding, 21:21508
  - Energy dependent anti τ-values for ^{235}U, ^{239}Pu, ^{233}U, ^{240}Pu, ^{241}Pu, and the status of anti τ for spontaneous fission isotopes, 25:10025 (INDC(NDS)-19/N)
  - Fissionability of nuclei in the region $Z^2/A > 35$ by high-energy protons, 21:1091
  - Flux and dose of secondary nucleons on irradiating a plane titanium shield with 660-MeV protons, 22:31912
  - Flux of secondary neutrons produced by 660-MeV protons in graphite block 120 cm thick, 21:21475
  - Investigation of nucleons emitted from ^{9}Be and ^{4}He during bombardment with 660-MeV protons, 22:11582
  - Mean number of secondary neutrons evaporated from nuclei bombarded by high energy protons, 22:20127
  - Neutron data compilation at International Atomic Energy Agency, 23:5770
- KONSHIN, V. M. Properties of FEU-79 photomultipliers used as photon counters in astronomical observations, 25:42068
- KONSTANECKI, Wojciech Disorders of hair growth and follicular melanogenesis, 24:8011
- KONSTANTATOS, J. Decomposition of aqueous perchlorates by radiation, 22:33451
  - Radiolysis of concentrated neutral $NaClO_4$ solutions, 21:15942
- KONSTANTINESKU, A. Determination of direction of neutral high-energy particle beam JINR synchrophasotron, 21:3244 (JINR-P-2916)
- KONSTANTINIDES, K. Determination of hepatic blood flow in hyperthyroidism with the ^{198}Au blood extraction method, 25:11141
- KONSTANTINOV, A. A. International comparison of ^{241}Am, 24:6894
  - Measurement of the activity of electron-capture sources by the K and L x-radiation coincidence method, 21:13893
  - Method of confirming the uniformity of spectral characteristics of second- and third-class alpha sources during calibration, 22:51234
  - Methods of radioactivity metrology in the USSR, 21:5823
  - Methods of radioactivity metrology in USSR, 24:16840 (UCRL-Trans-10429)
  - Preparation of films and sources for 4 π counting, 21:25934
- KONSTANTINOV, A. P. Device for the monochromatizing of slow neutrons, 25:53503
- KONSTANTINOV, B. D. Collective effects at neutron inelastic scattering by even—even nuclei, 23:7358
  - Electromagnetic transitions between excited states in odd nuclei, 24:28805
  - Exchange interaction in inelastic neutron scattering by even—even nuclei, 22:44675
- KONSTANTINOV, B. P. Astrophysical phenomena and radiocarbon, 22:36568 (N-68-22567)
  - Experiment to check a hypothesis on the antimatter nature of meteor streams, 21:34996
  - Interaction between ultra-high energy cosmic rays and photons in the universe, 22:34302
  - Investigation of γ radiation by Cosmos-135, 25:58835
  - Investigation of variations of annihilation γ radiation by Cosmos-135, 25:58836
  - Proton flux from 1.5 to 50 MeV on satellites Zond-4 and Zond-5, 25:30164
  - Study of gamma radiation with Kosmos-135, 25:13951
- KONSTANTINOV, D. Radiation injury of the skeleton following x-ray therapy, 23:31985
- KONSTANTINOV, D. I. Optimizing the parameters of radiometric equipment when determining low levels of radiation, 25:42102
- KONSTANTINOV, G. Establishing the hereditary changes and certain physiological and biochemical changes in the progenies of rabbits treated with radioactive ^{131}I, 21:45608
  - Hereditary changes and certain physiological and biochemical changes in the progeny of rabbits treated with ^{131}I, 22:8625
- KONSTANTINOV, I. E. Cadmium-109 fallout in certain points of the Soviet Union, 1964—66, 22:4283
  - Cadmium-109 in surface air and fallout in Soviet Union, 25:15779 (AEC-tr-7214, pp 62-9)
  - Calculation of dissipated-energy distribution in the theory of transport of electrons in matter, 23:51364
  - Calculation of the dose field of a thin electron beam, 23:38577
  - Character of vertical distribution of ^{137}Cs in soil in certain areas of the Soviet Union, 1966—1967, 23:17553 (AEC-tr-7030, pp 145-8)
  - Comparison and analysis of the parameters of clinical whole-body spectrometers, 25:57823
  - Concentrations of ^{109}Cd in ground-level atmospheric air and of fall-out in various points of Soviet Union, 1964—66, 22:18946 (A-AC-82/G/L-1198)
  - Evaluation of γ-radiation attenuation by snow cover, 22:51104
  - Exponential source as a model of radioactive contaminants, 23:17551 (AEC-tr-7030, pp 106-18)
  - Fallout levels and fission product concentration in surface air near Moscow from 1962—1967, 24:11700 (AEC-tr-7128, pp 163-79)
  - Gamma-spectrometer with an anticoincidence scintillation shield, 21:32377 (AEC-tr-6719, pp 59-63)
  - Intracavitary measurements of absorbed doses, 23:50523
  - Investigation of fission product deposition in the Moscow region during 1962—1966, 25:2550
  - Measurement of absorbed doses of x rays, 23:43772
  - Scheme for the stabilization of the amplification coefficient of photomultipliers of multicrystal scintillation gamma spectrometers, 22:36095
  - Scintillation method of spectrometry of small quantities of radioactive elements in large-volume samples, 23:38301
  - Spacial distribution of β-radiation dose uptake by a tissue-equivalent medium, 23:38254
  - Use of gamma spectrometers with protective liquid scintillators for analysis of mixtures of low-activity fission products, 22:36094
- KONSTANTINOV, I. O. ^{48}V in nuclear reactions on cyclotron, 25:54677
  - ^{51}Cr on cyclotron, 25:54691
  - Determination of the ^{93}Mo half life from the yields of nuclear reactions, 21:44689
  - Determination of the wear of machine parts by charged-particle activation, 25:51921
  - Excitation functions for reactions ^{109}Ag(p,n)^{109}Cd, ^{109}Ag(d,2n)^{109}Cd, and ^{107}Ag(α, 2n + pn)^{109}Cd and yield of radioisotope ^{109}Cd, 21:40434
  - Methods for preparing ^{52}Mn isotope, 23:38008
  - Nitrogen-13, ^{11}C, and ^{18}F isotope yields under charged particle irradiation of C and O, 23:44845
  - Production of ^{85}Sr on cyclotron, 23:45329
  - Radioisotope production in the I.Ph.P.E. cyclotron, 25:17645
  - Yields of ^{11}C, ^{13}N, ^{18}F isotopes used for the detection of C, N, O, and neighboring light element impurities by activation analysis, 25:15556
  - Yields of ^{11}C, ^{13}N, and ^{18}F on irradiating nitrogen with protons, deuterons, ^{3}He ions, and alpha particles, 24:45757
  - Yields of ^{18}F on irradiating Na, Mg, and Al with ^{3}He ion and on irradiating Na with alpha particles, 24:43985
- KONSTANTINOV, J. E. Mean residence time of radioactive aerosols in the upper layers of the atmosphere based on fallout of high-altitude tracers, 24:41441
- KONSTANTINOV, K. M. Composition of α solid solution in Ti—Al—Mo and Ti—Al—V, 24:27782
  - Phase boundaries in systems of Ti with V, Nb, and Mo by method of diffusion layers, 25:49475
  - Reciprocal diffusion in Ti—V, Ti—Nb, Ti—Ta, and Ti—Mo, 24:14721
- KONSTANTINOV, L. V. Dependence of scattering transport length on neutron energy in H_2O, D_2O, and graphite, 25:5502
  - Discrete monitoring of the in-core power distribution in nuclear reactors, 25:39153 (IAEA-119, 11p.)
  - Dynamic measurements in nuclear plants, 23:11299 (RCN-98, pp 381-95)
  - Experimental neutron physical parameters of CO-1 assembly, 24:18736
  - Experimental studies of experimental reactor IR-100, 25:18194
  - Fast response control of reactor power on basis of γ radiation intensity, 25:28822
  - Gamma-chambers application to power measurements of reactor fuel channels, 25:18047
  - Lattice parameters and energy release control in the Beloyarsk reactor, 22:22770
  - Monitoring of power distribution in nuclear reactor cores, 25:28699
  - Reliability of the evaporating channels of Beloyarsk power plant type reactors, 25:10106
  - Research and training reactor IR-100, 21:21778
  - RG-1 reactor for geological research, 21:12249
  - Selection of scatterer for neutron beam extraction from reactor through tangential channel, 22:44904
  - Some aspects of statistical method application to operative research problems for reactor kinetics, 22:53469
  - Special characteristics of thermal neutrons from open-tangential beam hole of IVV-2 reactor, 24:43822
  - Study of shielding properties of materials with the aid of fission chambers, 21:32376 (AEC-tr-6719, pp 54-8)
  - Using the boron filter method for measuring the spectrum of neutrons in a collimated beam, 21:19957
- KONSTANTINOV, O. V. Dopplerons in cadmium, 25:27900
- KONSTANTINOV, P. V. Investigation of radiation-thermal cracking of n-tetracosane and n-heneicosane in the liquid phase, 25:34653
- KONSTANTINOV, R. M. Isotopic composition of lead from different types of ore deposits of eastern Transbaikaliya, 21:6018
- KONSTANTINOV, S. G. Electric potential distribution in a magnetoactive plasma, 25:49884
- KONSTANTINOV, V. A. Ductility of welds in Nb alloys, 23:51062
  - Effect of O on Ti alloy, 23:22549
  - Effect of oxygen on recrystallization of tantalum, 21:20526
  - Reaction of tantalum with nitrogen and air, 21:18213
  - Strong surge of solar activity of September 2, 1966, 22:34219
- KONSTANTINOV, V. I. New corrosion resistant materials for hydrochloric acid solutions, 24:39608
- KONSTANTINOV, V. M. Problem of the connection between the mineralization of uranium and acidic rock extrusions, 21:36169
- KONSTANTINOV, V. P. Connection between physical, chemical, and biological structure of surface layer of water of Black Sea, 22:8550
  - Radioactivity in the surface layer of water in the Black Sea, 24:31519
- KONSTANTINOV, Yu. O. Measures to protect population in accidental release of radioactivity, 24:7887
  - Significance of radioactive particles in atmosphere, 21:43379
- KONSTANTINOV, Yu. S. Use of parametrically excited circuit as signal transducer in NMR spectroscopy, 22:47417
- KONSTANTINOVA, Bl. P. Chromosomal distrubances occurring after x-ray examination, 22:33797
  - Chromosomal disturbances following x-ray examinations, 25:42362
- KONSTANTINOVA, E. V. Molybdenum and BM-1 alloy corrosion in molten fluorides, 21:22846
- KONSTANTINOVA, G. N. Movement of α-particles in Coulomb field of ternary fission fragments, 23:45015
- KONSTANTINOVA, M. M. Correlation between changes in radiation sensitivity and the level of endogenic thiol groups under the effect of radioprotective agents, 22:33848
  - Increase in the content of endogenous sulfhydryl compounds as the mechanism of radio-protective action, 21:18076
  - Investigation of the nature of the radioprotective action of cysteamine and sodium thioglycolate, 22:28617
  - Role of endogenic sulfhydryl groups in the radioprotective effect of hypothermia, 22:8575
  - Role of endogenous SH compounds in radioprotective action of anoxia and aminothiols, 22:25889
  - Role of oxygen effect in radioprotective action of propylamine, 22:49391
  - Some problems of radioprotection, 24:39522
  - Sulfhydryl groups and radiosensitivity, 25:35213
- KONSTANTINOVA, M. P. Microphones for recording several particles in the acoustic spark chamber, 21:39243
  - Spark chamber discharger controlled by low amplitude pulses, 21:39244
- KONSTANTINOVA, M. S. Effect of low x-ray doses on hypothalamo-hypophyseal system, 22:31260
- KONSTANTINOVIC, J. Deconvolution of the observed beam in the elastic scattering of slow neutrons, 25:20241
  - Effect of temperature and pressure on mosaic spread in Ge monocrystal, 23:750
  - Neutron inelastic scattering and neutron diffraction at the Vinca heavy water reactor, 25:28779
  - Verification of the magnetic susceptibility as a function of temperature by critical diffusion of neutrons in iron, 21:2313
- KONSTANTINOVIC, Jovan Critical scattering of cold neutrons in Fe, 22:22520 (CEA-R-3317)
- KONSTANTINOVIC, Miodrag Changes in blood after x-irradiation of thoracic wall for mammary carcinomas, 21:36691
- KONSTANTINOVICH, A. A. Deactivation of radioactive sewage by the method of two-step coagulation of ferric hydroxide, 25:57556
- KONTANI, Ryozo ESR studies on P^+ ion-implanted Si, 25:36276
- KONTIAINEN, Sirkka Effect of antigen dose on immune response, 23:50375
  - Production of IgM and IgG antibodies, 23:50373
- KONTIC, Branislav Analysis of parameters of system for pressure damping in BHW reactors, 24:20586
- KONTIS, S. S. Chemical effects of ^{37}Cl(n,γ)^{38}Cl process in binary mixtures of chlorobenzene with paraffins and alcohols, 25:21070
  - Chemical effects of the isomeric transition /sup 130m/I $\longrightarrow$ ^{130}I, 23:19811
- KONTOPOULOS, Antony Ionic conductivity of partially stabilized zirconia, 25:40117
- KONTOR, N. N. Solar cosmic-ray increase on 25 Feb.—5 Mar., 1969, 25:27470
- KONTOROVICH, I. E. Influence of Mo on properties of Kh15N85 alloy, 22:7001
  - Influence of titanium and molybdenum on the temperature of recrystallization and hardening of niobium alloys, 21:31038 (AD-637378, pp 9-13)
- KONTOROVICH, O. M. Nature of boundary layers and their overlapping during the magnetohydrodynamic flow of a conducting fluid in a rectangular duct, 21:41880
- KONTOROVICH, V. M. Radio lines of the interstellar NO molecule, 23:36349
- KONTOS, J. Analog on-line computation of reactivity, 23:2725
  - On-line event-following with counter computer, 24:11843
  - System analysis and simulation in magnetohydrodynamics, 23:42022 (DEMO-69/2)
  - Track following computer system, 22:19153
- KONTRAS, Stella B. Sensitivity of G_1 phase to chromosome aberrations, 23:22201
- KONTROSH, E. E. Further restrictions on the high-energy behaviour of scattering amplitude, 23:19003 (ITF-68-38)
  - New proof of Pomeranchuk theorem, 23:7182
  - New proof of Pomeranchuk theorem, 23:15246 (ITF-68-30)
- KONTROSH, E. Z. Oscillations of the scattering amplitude and restrictions on its high-energy behavior, 23:27884
- KONTROSH, J. E. Upper bound for the partial-wave scattering amplitude, 23:51918 (ITF-69-40)
- KONTROVSKII, S. N. Geometrical dimensions of homogeneous U—H_2O reactor cores, 22:25105
  - Measurements of the parameters of uniform hydrous uranium activity zones with a fine-scale heterogeneity, 22:35690
  - Rotating shim cylinders in reflector of U—H_2O cores, 24:5520
- KONTSEVOI, V. G. Ternary systems Gd—(Y, Tb, Dy, Ho, Er, Sc)—Al in region to 25 at. percent rare-earth metals, 25:8886

KONTYUG, V. A. Isotopic exchange of H α-position of alkyl groups of aromatic hydrocarbons with deuterotrifluoroacetic acid, 25:34598
KONTZEN, F. N. Thyroidal radioiodine uptake values in euthyroid subjects in Birmingham, Ala, 23:38409
KONUMA, M. Meson photoproduction near threshold and current commutation algebra, 21:29482
KONUMA, Michiji Baryon resonances and SU_3 mixing. I, 22:50435
  Universal V—A current—current interaction with CP violation, 24:40443
  Upper bounds on the neutral current with $\Delta S = 1$, 25:40948
KONUSOVA, V. V. Determination of Nb in Zr minerals, 23:19638
KONVENT, H. Spin—phonon interaction in ferromagnetic crystals, 22:34744 (JINR-P4-3794)
KONY, J. SAGE: acquisition and management system for experiments, 23:47903
KONYA, A. Quantum number values and anomalies in occupation of electronic states of atom, 25:40395
KONYA, J. Corrosion kinetic studies by radioactive method. I, 22:2575
KONYAEV, V. F. Levels of ^{225}Ra, 25:25761
  Lower excited levels of ^{225}Ra, 24:40612 (ITEF-748)
  Multipolarity of 341-keV transition accompanying capture of thermal neutrons by ^{48}Ti, 22:22566
  Multipolarity of transition with 341 keV energy accompanying capture of thermal neutrons by ^{48}Ti, 22:20570 (ITEF-52)
KONYAEV, V. P. Operational characteristics of N-5S pump with sorption traps for oxidized iron, 24:31672 (IAE-1869)
  Vacuum system of Ogra-II, 23:8584
KONYAEVA, G. P. Thermodynamic properties of UF_6, 22:33328
KONYAEVA, M. P. Activity of alanine- and aspartate-aminotransferases in subcellular fractions of the brain irradiated by x rays and neutrons of mean energies, 22:51350
  Change in activity of aspartate-aminotranspherase in brain subcellular fractions under effect of ionizing radiation against the background of exclusion of cortiadrenal functions, 23:20098
KONYAKHIN, N. A. Production of ^{85}Sr on cyclotron, 23:45329
  Rotating target for producing radioisotopes in a cyclotron, 24:15751
  Stationary targets for producing radioisotopes in cyclotrons, 24:15752
KONYAKHIN, V. V. Radio-wave transmission through a plasma in an inhomogeneous magnetic field, 24:49224
KONYAKHINA, S. S. Measurements of energy spectra of multicharged nuclei, 25:30307
  Tests of superconducting magnetic system with field H approximately 20 kOe on board a satellite, 24:23902
KONYASHEV, E. I. Increasing the power of a linear electron accelerator, 25:9938
KONYSHEV, V. A. Nucleic acid content in embryonic liver and uptake of ^{32}P by liver RNA after stimulation of liver growth by humoral factors, 23:16229
KONYUKOV, M. V. Acceleration mechanism of plasma outflow from Sun, 23:20626 (N-68-25687)
  Equations of the outflow of plasma from the Sun with allowance for ion composition, 24:12585
  On the asymptotic behavior of solutions of equations for stationary spherico-symmetrical outflow of plasma from the sun, 22:45834 (N-68-23074)
  Outflow regime of a plasma from the Sun, 25:16977
  Parker's solar wind theory, 22:15312
  Parker's solar wind theory. II, 22:23920
  Plasma emission from the Sun, 23:20635
  Plasma outflow from the sun, 23:51273
KONZAK, C. F. Combining ability of winter wheat, 24:41834
  Comparative studies of biological effectiveness of nitrogen mustards, ethylenimine, and gamma rays, 25:6673 (RLO-2221-T-2-3)
  Comparative studies of biological effectiveness of N mustards, ethylenimine, and γ rays, 25:52041
  Decay of radiation-induced oxygen-sensitive sites in barley seeds, 23:35939
  Glass manifold vacuum system for controlling atmosphere and water content of seeds for irradiation experiments, 24:2345
  Influence of radiation energy on the oxygen enhancement ratio in irradiated barley seeds, 24:21320 (RLO-353-39)
  Influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seeds, 24:21072 (RLO-353-40)
  Influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seed, 25:44964
  Irradiation of seeds, 24:17026
  Neutron irradiation of seeds, 23:45947 (CNM-R-2(Vol.2), pp 826-40)
  Physical and chemical mutagens in wheat breeding, 22:28444
  Post-irradiation oxygen sensitivity of barley seeds, 22:28542
  Procedures for irradiating, cultivating, and measuring cereal seeds, 23:50937
  Prog. rpt. on development of genetic methods for wheat improvement, 8/67, 22:21465 (RLO-353-22)
  Prog. rpt. on factors governing plant radiosensitivity, 11/67—10/68, 23:12241 (RLO-353-32)
  Prog. rpt. on factors which govern plant radiosensitivity, summary, 1965—68, 23:9983 (RLO-353-31)
  Prog. rpt. on radiation-induced genetic damage in plants, annual, 11/15/70, 25:6674 (RLO-2221-T-2-5)
  Prog. rpt. on radiosensitivity of plants, annual, 11/65-10/66, 21:11112 (RLO-353-9)
  Prog. rpt. on study of factors governing plant radiosensitivity, annual, 11/68—10/69, 24:21321 (RLO-353-42)
  Radiation-induced damage in barley seeds, 24:42029
  Radiobiological damage: a new class identified in barley seeds stored after irradiation, 23:4915
  Relationship of radiation-induced damage in barley seeds to the inhibition of certain oxidoreductases by sodium azide, 24:21319 (RLO-353-36)
  Use of neutrons in seed irradiation, 23:50441
KOO, B. Ray theory seismic pulse: mathematics report, 21:36178 (NVO-1163-98)
KOO, E. Ley Nuclear matrix elements deduced from N—N phase shifts, 23:44999
KOO, F. K. S. Effect of fast neutrons and gamma rays on soybean seedling growth and malate dehydrogenase isozyme pattern following seed irradiation, 24:31838 (CONF-691120-1)
  Effect of gamma radiation on chlorophyll A in bromeliads, 25:21942 (TID-24270, pp D.295-8)
  Histological damage induced by gamma irradiation in Palicourea riparia, 25:21951 (TID-24270, pp G.63-7)
  Induction of mutations in soybeans for environmental adaptation by gamma radiation, 24:39475 (CONF-700612-1)
  Mutation breeding in soybeans, 25:37761 (CONF-701125-1)
  Potential use of target atom irradiation in control of mutation induction, 23:41276 (CONF-690703-2)
  Radiation effect on bromeliads, 25:21943 (TID-24270, pp D.299-303)
  Radiation-induced cytological abnormalities in Palicourea riparia Benth, 25:21950 (TID-24270, pp G.21-38)
  Radiosensitivity of plant species at El Verde, 25:21949 (TID-24270, pp G.15-20)
KOO, Frank S. Prog. rpt. on resonance in radiation effects, 6/65, 22:47448 (PRNC-69)
KOO, Ping L. Arithmetic unit of ILLIAC III: simulation and logical design. II, 25:15430 (COO-2118-2)
KOO, R. C. Mechanism and kinetics of bubble formation in doped tungsten, 25:55511
KOO, Ronald C. Evidence for voids in annealed doped tungsten, 22:12988
KOOASHKIN, V. M. Products of fission of ^{233}U, ^{238}U, and ^{239}Pu, 24:30809
KOOB, Derry D. Changes in the ecology of the plankton communities on Amchitka Island, Alaska, 25:49135
  Prog. rpt. on Amchitka bioenvironmental program on limnology studies, annual, 7/69—6/70, 25:34767 (BMI-171-129)
  Prog. rpt. on freshwater ecology of Amchitka Island, annual, 7/68, 25:12870 (BMI-171-103)
  Prog. rpt. on limnology studies, Amchitka Island, Alaska, annual, FY 1969, 24:11341 (BMI-171-124)
KOOB, R. D. Energy transfer in radiolysis of rare gas—propane liquid mixtures, 23:285
  Radiolysis of liquid propane: non-radical reactions, 22:21103
  Radiolysis of liquid propane: radical reactions, 22:18833
  Rare-gas sensitized radiolysis of liquid propane, 22:2155
KOOB, Robert D. Direct and rare-gas sensitized radiolysis of liquid propane, 22:27840
KOOI, C. F. Thermoelectric—thermomagnetic energy converter staging, 23:14662
KOOI, E. Surface properties of oxidized silicon, 22:41663
KOOI, J. Decay of ^{249}Cf, 21:15593
  Existence of divalent californium in aqueous solution, 22:30534
  Isolation of microgram amounts of berkelium and californium from irradiated americium, 21:143 (EUR-2578.e)
  Non-fuel applications of α-emitting nuclides, 21:36258 (EUR-3498.e)
  Standard fission neutron source, 21:25412
  Standard fission neutron source, 21:29858
  Standard fission neutron source, 22:7620
KOOISTRA, Jan Fate of donor DNA in Haemophilus influenzae, 24:23164
KOOISTRA, L. F. Fracture behavior investigations under the Heavy Section Steel Technology Program, 24:25235
  Interpretations of the drop weight test in terms of strain tolerance (gross strain) and fracture mechanics, 25:42847 (ORNL-TM-3247)
KOOL, W. H. Gamma irradiation of lithium-drifted silicon, 25:27852
KOOLHOF, R. A. Liquid nitrogen cooling of the linear electron accelerator at S and C band, 21:29790
KOOMAN, A. Current developments in isotope diagnosis, 24:48601
KOOMEN, M. J. Photographs of coronal streamers from a rocket on May 9, 1967, 23:36411
  Rocket observations of corona on March 7th 1970, 24:37121
KOONCE, C. S. Mechanism for increasing the superconducting transition temperature, 21:27086
  Superconducting transition temperatures of semiconducting $SrTiO_3$, 22:1117
  Theory of superconducting semiconductors and semimetals, 23:14726
  Tunneling into low-carrier-density superconductors, 23:39437
KOONCE, Calvin Scott Superconducting properties of semiconductors, 23:1296
KOONGZ, Roland F. Multiple beam pulse capability of the SLAC injector, 21:38000
KOONO, Hiroshi High-pressure sintering of WC powder and WC—Co mixed powder, 22:2677
KOONS, H. C. Anisotropy of electron velocity distribution in reflex discharge, 22:34592 (TID-24491, pp 43-5)
  Anisotropy of the electron velocity distribution in a reflex discharge measured by continuous-wave laser scattering, 22:29472
  Dependence of elf emissions on the location of the plasmapause, 24:51548
  Dependence of very low-frequency electric field antenna impedance on magnetospheric plasma density, 24:26075
  Electrostatic instabilities in multicomponent plasmas, 25:9500
  Electrostatic vlf waves observed in the polar magnetosphere, 25:55965
  Ion-wave instabilities at vlf in the polar wind, 25:55966
KOONS, Harry C. Dependence of the occurrence of chorus upon the location of plasmapause, 24:39923 (AD-704817)
  Electrostatic vlf waves observed in polar magnetosphere, 25:43213 (AD-715898)
  Ion—acoustic wave instability at vlf in polar wind, 25:45362 (AD-720243)
  Outer-zone electron precipitation, 25:43211 (AD-715266)
KOONTZ, P. G. Fast fission cross-section measurements of curium isotopes, 23:37244
  Operating procedures for the Pajarito Site critical assembly facility, 23:28559 (LA-4037)
  Safety analysis for the Los Alamos Critical-Assembly Facility, 24:5548 (LA-4273)
KOONTZ, Philip G. Neutron-induced fission cross section of ^{238}Pu, 21:46752
  Techniques for fission cross-section measurements for elements with high α and spontaneous fission activity, 22:20571 (LA-DC-9188)
KOONTZ, Philip Grant Spontaneous fission half-life of ^{244}Cm, 24:30811
KOONTZ, R. Behavior of iodine in the presence of sodium oxide aerosols, 25:20761 (CONF-700816-(Vol.1), pp 373-92)
  Comparisons of aerosol experiments with a model used in reactor siting evaluation, 25:20757 (CONF-700816-(Vol.1), pp 26-48)
  Effects of aerosol agglomeration on reactor dose evaluations, 25:57105
  Measurements of particulate filtration efficiencies of building, 25:23308 (CONF-700816-(Vol.2), pp 817-23)
  Reactor development, 23:13521 (AI-AEC-12721, pp 111-29)
KOONTZ, R. F. Beam break-up at SLAC, 21:46617 (SLAC-PUB-350)
  Beam break-up experiments, 21:2549 (SLAC-PUB-224)
  Recent beam performance and developments at SLAC, 23:28008
  Recent beam performance and development at SLAC, 23:34685 (SLAC-PUB-563)
KOONTZ, R. L. Aerosol modeling of hypothetical LMFBR accidents, 24:47876 (AI-AEC-12977)
  Analysis of aerosol behavior for FFTF hypothetical accidents, 25:60148 (AI-69-Memo-95)
  Characteristics of aerosols generated during sodium fires, 22:5952
  Characteristics of aerosols produced by sodium fires. II, 24:7544 (AI-AEC-12878)
  Characteristics of vaporized UO_2 aerosols in air, 22:5949
  Characterization of aerosols produced by Na fires, 21:24114 (NAA-SR-11997(Vol.1))
  Characterization of sodium spray aerosols, 23:29015
  Characterization of UO_2 aerosols, 23:29017
  Controlling reactor components, 23:47254 (CNM-R-2(Vol.3), pp 1327-32)
  Design basis for pinhole gamma-ray cameras, 21:19856
  Effect of aerosol agglomeration on reduction of radiological source term for LMFBR design basis accident, 23:52376 (AI-AEC-12837)
  Errors in measurements of building leakage due to transient temperature effects, 21:23751
  Evaluation of behavior of aerosols produced by LMFBR DBA, 23:52374 (AI-AEC-Memo-12761(Rev.1))
  Evaluation of the equation that governs the coagulation of an aerosol, 21:31921 (CONF-660904-Vol.1 and 2, pp 626-45)
  Large-scale sodium aerosol experiments, 23:37589
  Modelling characteristics of aerosols generated during LMFBR accidents, 23:29016
  Standardized generation of vapor-produced sodium aerosols and their behavior, 21:31922 (CONF-660904-Vol.1 and 2, pp 848-59)
  Techniques for sampling sodium smoke and fission products, 21:31923 (CONF-660904-Vol.1 and 2, pp 860-76)
  Use of agglomeration modeling in determining the source term for reactor siting evaluations, 23:23938 (CONF-680821-, pp 330-4)
  Vaporization of fission products from sodium, 23:47194 (ANL-7520(Pt.1), pp 549-54)
KOONTZ, Roland F. Resonant cavity-type monitor for measuring the bunch length of a beam of charged particles in a particle accelerator, 22:29827
KOONTZ, W. H. Major repair and modification techniques used on large-scale separation facilities, 21:6106
KOOP, C. E. Wilms' tumor: preoperative radiotherapy and chemotherapy in the management of massive tumors, 24:44574
KOOPMAN, D. W. Possible observations of collisionless electrostatic shocks in laser-produced plasmas, 21:18753
KOOPMAN, David W. Charge exchange in CH_4 and NH_3, 23:10449
  Comparison of measured and predicted conditions behind a reflected shock, 24:15293
  Computer programs for the calculation of equilibrium states in reflected shock plasmas, 21:37494 (N-67-19934)
  Ion emission from laser-produced plasmas, 21:42126
  Langmuir probe and microwave measurements of streaming plasmas, 25:43342
  Light-ion charge exchange in atmospheric gases, 22:13234
  Measurement of charge-exchange cross sections for H^+, H_2^+, and He^+ ions, 21:16822
  Precursor ionization fronts ahead of expanding laser-plasmas, 25:45488 (ORO-3819-4)
  Products of charge exchange by light ions in molecular gases, 23:12544
  Prog. rpt. on collisionless shock studies using laser-produced plasmas, 6/4/68—3/31/69, 23:27643 (ORO-3819-1)

Prog. rpt. on counter-streaming laser-produced plasmas, 1/70—4/71, 25:45487 (ORO-3819-3)
Prog. rpt. on streaming laser-produced plasmas, 4/69—5/70, 24:37433 (ORO-3819-2)
Single-electron capture by C^{4+} in helium, neon, and argon below 40 keV, 25:9215
KOOPMAN, F. C. Hydrologic tests in hole GB-1, Project Gasbuggy, Rio Arriba County, N. Mex, 23:9536 (PNE-G-26)
Hydrologic tests in hole GB-2, Project Gasbuggy Rio Arriba County, N. Mex, 23:9537 (PNE-G-27)
KOOPMAN, M. J. Need of preliminary revivication for counting of enterobacteriaceae in dehydrated foods, 21:28687
KOOPMAN, R. N. Heat transfer in reactor components having temperature-dependent thermal conductivity, 25:10203
KOOPMAN, Ronald P. Reactivity self-control on power and temperature in reactors cooled by heatpipes, 23:4393
Reactivity self-control on power and temperature in reactors cooled by heatpipes, 23:11168 (UCRL-71198)
KOOPMANN, E. W. Beta continuum measurements on ^{226}Ac, 23:42939
Beta—gamma circular polarization correlation in decay of ^{48}V, 25:12471
Conservation of parity in electromagnetic interactions, 24:51891
K-shell particle parameter of 123 keV transition in ^{154}Gd, 23:42952
Optimalization of a sector-focusing magnetic beta-ray spectrometer, 23:33486
KOOPMANN, Edzard William Angular correlation studies of conversion electrons from ^{154}Gd, of nuclear electrons from ^{48}V and of Bremsstrahlung from unpolarized electrons, 25:20374 (NP-18597)
KOOPS, J. Determination of fat in milk, 23:45215
KOORI, N. Counter telescope for charged particles produced with fast neutrons, 22:6638
Recoil deuterons and breakup protons from n—d interaction at 14.1 MeV, 22:26809
KOORI, Norihiko Cross sections for n—d elastic and inelastic scattering at 14.1 MeV, 23:3934
Differential cross section for neutron—proton scattering at 14.1 MeV, 24:20075
KOORNNEEF, J. Infrared photometry of a heavily reddened cluster in Ara, 24:23566
Time resolved photometry in two pulsed radio source fields, 22:28993
KOOSHIAN, C. H. WEDS in Europe, 25:44731 (UCRL-51082)
KOOTSEY, J. Mailen Interaction of 14.1-MeV neutrons with tritons, 22:32484
KOOTSEY, Joseph Mailen Interaction of 14.1 MeV neutrons with tritons, 22:5761
KOOYMAN, E. C. Intermediate steps in autoxidations. II, 21:12420
Intermediate steps in autoxidations. I, 21:12427
KOOZEKANANI, S. H. Excitation cross section for doubly ionized states of Ar, Ne, and Kr by fast electrons, 22:47834
Excitation cross section of states of Ne II, Ar II, and Kr II by electron collision, 21:22999
Excitation cross section of states of Ne II, Ar II, Kr II, 22:9041
Formation of ionized excited states from the loss of the metastable electron in the noble gas atoms, 22:38725 (N-68-22686)
Formation of ionized excited states through the loss of the metastable electron in noble-gas atoms, 23:8477
Spin—orbit interaction terms for the p^3—p', p^3—d, and p^3—f configuration, 24:23757
KOPAC, M. J. Laser-induced changes in DNA synthesis and embryonic development in sea urchins, 24:41954
KOPACH, S. Extraction of Mo(VI) with tributyl phosphate from hydrochloric acid solution, 22:45160
KOPAEV, V. V. Physiological aspects of radiation protection in hot laboratories, 24:31552
KOPAEV, Yu. V. Optical and electrical parameters of vanadium dioxide in a strong electric field, 25:50015
Superconductivity of alloyed semimetals, 24:23897
KOPAL Dynamical tides in close binary systems. III, 22:38682
KOPAL, Zdenek Advances in astronomy and astrophysics. V, 21:46073
Dynamical tides in close binary systems. I, 22:26102
Dynamical tides in close binary systems. II, 22:34148
Dynamical tides in close binary systems. IV, 22:47758
Eclipsing system of epsilon Aurigae, 25:30083
Gravity darkening in eclipsing binaries. I, 22:47756
Gravity darkening of secondary component of Algol, 25:16646
Gravity-darkening in eclipsing binaries. II, 23:1084
Models of dense stars, 22:19704
Nonlinear effects of limb darkening in eclipsing variables, 25:58490
Precession and nutation of deformable bodies, 22:19702
Precession and nutation of deformable bodies. III, 23:46175
Roche coordinates for the rotational problem, 25:30082
Roche coordinates in double-star astronomy, 25:852
Volume integrals of products of spherical harmonics, 23:10483
KOPALEISHVILI, T. I. Absorption of π mesons and α-cluster structure of light nuclei, 25:14893
Absorption of π^- mesons and γ rays and nucleon correlation in ^{4}He, 21:29868
Application of translation-invariant shell model to calculations of energy spectra for nuclei with A = 4 and 5, 23:13195
Effect of rescattering and the absorption mechanism of stopped π^- mesons by Li nuclei, 25:12415
Ground and excited states of ^{4}He nucleus, 25:14884
Mechanism of π^{+-} meson absorption by light nuclei, 22:15950 (JINR-P4-3666)
Processes (π^{+-} NN) on light nuclei, 21:25449
Reaction (π^+,NN) and two-hole excitations of light nuclei, 22:24829
Reaction (π^+,pp) and the structure of Li nuclei, 23:42856
Reactions (π^-,NN) and structure of Li nuclei, 23:19190
Single charge exchange of π^+ mesons and spectroscopy of light nuclei, 23:19147
Single recharging of π^{+-}-mesons and spectroscopy of light nuclei, 23:7218
Theory of (π^-,2N) reactions with stopping π^-mesons on light nuclei, 25:33968
KOPALKIN, N. V. Monochromator for bremsstrahlung, 22:33700
KOPALOVA, A. Gastric emptying in irradiated mice and rats, 25:24223
Influence of some drugs on emptying of the stomach of irradiated mice, 22:19358
KOPANETS, E. G. Analog states in ^{35}Cl, 23:46949
Automatic measurement of reaction yield on electrostatic accelerator of the Physico-Technical Institute of the Ukrainian Academy of Sciences, 22:18150
Automation of nuclear experiment on 4-MeV electrostatic accelerator of FTI of Academy of Sciences, USSR. II, 23:2663 (NP-17612)
Automation of nuclear experiment on 4-MeV electrostatic accelerator of FTI of Academy of Sciences, USSR. I, 23:4054 (NP-17611)
Complex γ-spectrum decomposition by means of the general purpose control computer Dnieper, 22:18354
Excitation function of $^{27}Al(p,\gamma)^{28}Si$ reaction in the energy interval of Ep = 2300 to 3200 keV, 21:33945
Inelastic scattering of protons by ^{24}Mg, 23:46951
Investigation of gamma rays from inelastic proton scattering and radiative proton capture by ^{24}Mg, 21:7756
Investigation of γ rays from $^{26}Mg(p,\gamma)^{27}Al$ reaction at E/sub p/ = 2322 keV, 22:9804
Level (3.95-MeV) and decay scheme of isobaric-analog 8.38-MeV state in ^{35}Cl nucleus, 25:17817
Levels of ^{27}Al with excitation energies 10.248, 10.586, and 10.692 MeV from the reaction $^{26}Mg(p,\gamma)^{27}Al$, 21:33939
Levels of ^{37}Cl nucleus at excitation energies of 10.4 to 10.6 MeV in $^{36}S(p,\gamma)^{37}Cl$ reaction, 22:39618
Low levels of ^{37}Cl nuclei, 22:9807
Quantum characteristics of 3.01- and 2.65-MeV levels in ^{35}Cl nucleus, 22:9805
Radiactive proton capture in ^{34}S and ^{36}S, 22:26994
Radiative proton capture by ^{36}S and the excited states of ^{37}Cl, 21:29934
Resonances in the reaction $^{36}S(p\gamma)^{37}Cl$, 21:33919
Studies of γ rays from inelastic scattering reaction and radiative capture of protons by ^{26}Mg nuclei, 21:44637
Studies of γ rays in inelastic proton scattering by ^{34}S nuclei, 22:9806
Triple p$\gamma\gamma$ correlations of γ rays from decay of resonant state of ^{27}Al with E = 10.480 MeV, 22:13965
Triple p$\gamma\gamma$-correlations studies from the reaction $^{34}S(p,\gamma)^{3}Cl$, 21:44627
KOPASHOVA, I. M. Infrared spectra of uranyl nitrate complexes with heterocyclic amines, 22:14502
Luminescent spectra of complex compounds of uranyl nitrate with heterocyclic amines, 22:33304
Spectral-luminescence investigation of the cation—anion interaction in uranyl double salts, 25:46494
Structure and spectro-luminescence properties of uranyl nitrate complexes with dipyridyl, 23:37965
KOPATZ, N. E. Manufacture and properties of high-conductivity high-strength Cu—ThO_2, 25:55417
KOPCA, Milan Production of Ferroalloys in Czechoslovakia, 23:24817
KOPCEWICZ, M. Moessbauer study of proton irradiation effects in ferrous sulfate, 25:29151
KOPCEWICZ, Teodor Chronological changes of natural radioisotopes, the decay products of radon in the tropospheric layer near the earth, 22:37883
Concentration in ground air layer of natural radionuclides deriving from Rn and thoron, 23:17579
Periodic changes in the concentration of the natural radionuclides, resultant products of radon, in the lower troposphere, 24:48183
KOPCHAGINA, D. V. Isotopic exchange reaction of hydrogen in arenyl ions and their antecedents, 25:34599
KOPCHINSKI, N. L. Removal of main heat transfer system throttle valve at HNPF, 22:12030 (NAA-SR-8492)
KOPCHINSKII, G. A. Loop channel cells with highly enriched fuel elements, 24:50194
Microdistribution of fission density in VVR-M, 25:60172
Number of corrections in the method of activation indicators, 22:33652
KOPEC, J. Problems of technological dosimetry in the heavy-water circuit of nuclear power plants, 23:40361
KOPEC, Josef Radioactivity of corrosion products in water of an experimental loop in VVR-S reactor, 25:46164
Technical dosimetric investigation of heavy water HWGCR reactor cycles on a reactor water loop, 24:13585
KOPECKI, E. S. Stainless tubing for feedwater heaters, 24:51167
KOPECKY, A. Radiolysis of fats, 25:41861
KOPECKY, J. Beams of polarized neutrons in the Institute of Nuclear Research of Czechoslovak Academy of Sciences, 21:21784
Circular polarization following capture in ^{58}Co, 24:47585
Circular polarization measurements with a Ge(Li) detector, 23:21316
Circular polarization of capture gamma rays from $^{35}Cl(n,\gamma)^{36}Cl$ measured with a Ge(Li) detector, 21:40398 (RISO-157)
Curves for the response of Ge(Li) detector to gamma rays in the energy range up to 11 MeV, 21:24223
Mixing ratio of the 0.34 MeV (M1 + E2) transition in ^{49}Ti, 22:15998
Parity-non-conserving internucleon potentials studies in the $^{113}Cd(n,\gamma)^{114}Cd$ reaction, 21:42651
Search for time-reversal non invariarce in strong interactions, 23:1865
Spins of some excited states of ^{41}Ar, 24:43242
KOPECKY, Jan Bibliography of paper and thin-layer chromatography 1961—65, 23:7462
KOPECKY, Karl R. Mechanism of initiation in the thermal polymerization of styrene, 25:12983
KOPECKY, M. Babcock's theory of solar activity, 23:46229
Computing electric conductivity in sunspots and photosphere, 21:3625
Contribution to the form of butterfly diagrams in connection with the differential rotation of the Sun, 24:44899
Decrease in the number of solar flares and sunspots, 23:16599
Difference in magnetohydrodynamic properties of photospheres of dwarf and giant stars of spectral types F, G, and K, 25:30110
Distribution of large-scale magnetic fields on sun, 23:22847
Electric conductivity in photospheres of stars of spectral types F, G, and K, 25:30114
Electric conductivity in the inhomogeneous photosphere and sunspots, 25:901
Electrical field in solar atmosphere caused by pressure gradient, 21:28935
Energy release by magnetic field dissipation in the solar atmosphere, 23:10394
Fine structure of magnetic fields in sunspots, 23:32113
Joule dissipation of magnetic fields in solar atmosphere, 24:1199
Metallic line emission in solar flares, 22:13090
Proton flares and types of spot groups in the 11-year cycle, 21:9273
Quantitative estimations of the anomalous plasma diffusion in an active region, 23:36376
Real existence of stable stages in sunspot groups evolution, 23:25091
Relation between electric conductivity in spot and photosphere, 25:30186
Relation between electric conductivity in faculae and in Bilderberg model of photosphere, 25:58588
Sunspot activity in dependence on phase of 11-year cycle, 23:25092
Supergranular pattern and the stable stages of sunspot groups, 23:36381
KOPECKY, Miloslav Periodicity of the sunspot groups, 21:46077
KOPECKY, V. Dissipation time of a sunspot magnetic field, 23:16600
Draft dissipative instability of weakly ionized plasma, 24:17954
Effect of resonant particles on the flute oscillations of plasma, 23:42341
Generation and heating of plasma by beam-plasma interaction, 23:32315
Influence of the transformation of waves on the threshold currents of the beam instability, 25:14371
Instability of inhomogeneous weakly ionized plasma in crossed fields, 21:42141
Kinetic instability of flute oscillations, 23:12890
Low-frequency instability of an inhomogeneous weakly ionized plasma in crossed electric and inhomogeneous magnetic fields, 21:31466 (IPPCZ-50)
Mechanical properties of Mo and W single crystals, 25:58257
Strong turbulence of an inhomogeneous weakly ionized plasma in crossed electric and magnetic fields, 21:29292 (IPPCZ-48)
Transformation and absorption of waves in an inhomogeneous beam—plasma system, 23:25408
Transformation of waves and eigen oscillations of an inhomogeneous layer of hot plasma, 25:33329
Transformation of waves and electron heating in a radially inhomogeneous plasma, 24:3367
Turbulence of inhomogeneous weakly ionized plasma in crossed electric and magnetic fields, 21:11672
KOPECNY, V. Resistance of tritium activity in adenine-2,8-T labeled rabbit sperm, 24:50661
KOPEIKIN, V. A. Activation sintering of zirconium and hafnium carbides in a vacuum, 22:15240
KOPELIOVICH, B. Z. Contribution of exchange mechanism in backward scattering of protons on light nuclei and d + ^{4}He $\rightarrow$ ^{3}He + ^{3}H reaction, 25:20250 (JINR-P2-5496)
Covariant density matrix for arbitrary spin particles, 25:5305 (JINR-P2-4931)
Exchange mechanism contribution to backward proton scattering of light nuclei and reaction d + ^{4}He $\rightarrow$ ^{3}He + ^{3}H, 25:53527
Polarization density matrix for particles with any spin, 25:25346
Shower efficiency of spark chambers, 23:24462 (JINR-P13-4369)
KOPELIOVICH, V. Omega$^-$ hyperon decays, 23:3696
T-odd correlation in decays of mesons with spin, 23:36967
KOPELIOVICH, V. B. Electromagnetic T-odd correlations in decays $\Lambda \rightarrow$ peantiγ and $\Sigma^- \rightarrow$ neantiγ, 22:48292
Radiative corrections to elastic πd scattering amplitude at high energies and small momentum transfers, 25:33774
T-odd correlation in $\Sigma^0 \rightarrow \Lambda e^+e^-$ decay due to final state interaction, 24:35681
Y(1327) hyperon, 25:5385
KOPELIOVICH, V. P. Allowance for Coulomb interaction in scattering of a fast charged particle by a nucleus, 25:36524
KOPELMAN, J. B. Computation of elastic pion—pion cross-section from 1.7 GeV/c $\pi^-p \rightarrow \pi^-p\pi^0$. Test of Ferrari—Selleri form factor, 22:3275
Evidence for A_1^0 production in K^-p interactions at 4.6 and 5.0 GeV/c, 22:7449

- Evidence for narrow 3π effects near 960 MeV in K^-p interactions at 4.6 and 5.0 GeV/c, 22:39282
- Four- and five-body final states from 6.7-GeV/c π^-p interactions, 24:28498
- K^-p interactions at 4.6 and 5.0 GeV/c, 24:3529
- Negative pion—proton elastic scattering at 1.7 GeV/c, 21:18910
- Pi—rho mass spectrum in π^-—p interactions at 6.7 GeV/c; spin—parity analyses for A(1200) and A(1300), 22:39286
- Production of baryon resonances in 6.7 GeV/c π^-p interactions, 24:26380
- Reaction $K^- + p \to K^- + p + \pi^- + \pi^+$ at 4.6 and 5.0 GeV/c; evaluation of $K^-\pi^-$ scattering cross section, 21:31534
- Reaction $K^-p \to K^-p\pi^+\pi^-$ near 5.0 GeV/c, 24:8658
- Reactions $\pi^-p \to \pi^-p$ and $\pi^-p \to \pi^-\pi^0p$ at 1.7 GeV/c, 23:7101
- Results on $\pi^-\pi^-\pi^+$ mass structure in π^-P interactions at 6.7 GeV/c, 23:14989
- KOPELMAN, M. Effect of ionizing radiations on resting conidia of A. flavus, 22:52044
- KOPELMAN, R. Vibrational exciton density of states in solid benzene, 25:98
- KOPERA, Zygmunt Correlation between radiological pattern of bronchial carcinoma and size of tumor after irradiation, 23:50798
- KOPETSKII, C. V. Study of internal friction of alloyed molybdenum, 24:1032 (ANL-Trans-782)
- KOPETSKII, Ch. V. Effect of carbon on the mechanical properties and structure of molybdenum crystals, 25:42899
  - Effect of carbon on the structure and mechanical properties of tungsten monocrystals, 25:37965
  - Effect of temperature on plasticity of polycrystalline tungsten of industrial purity, 24:48840
  - Internal friction of alloyed molybdenum, 23:30044
  - Production and properties of single crystals of refractory metals and alloys, 23:8146
  - Properties of vacuum-melted tungsten in the cast state, 23:30022
  - Recrystallization of a strongly deformed monocrystal of molybdenum, 25:55518
  - Recrystallization on diagrams of alloyed molybdenum, 23:48493
- KOPETSKIN, Ch. V. Mechanical properties of W melted by arc fusion at 20 to 1100°C, 23:5081
- KOPETSKY, Ch. V. Mechanical properties and deformation characteristics of nickel and titanium reinforced with tungsten wire, 25:670
- KOP'EV, I. M. Fatigue and brittleness of metallic materials, 23:51060
  - Internal friction of alloyed molybdenum, 23:30044
  - Metal-fibre-reinforced ceramics, 25:55608 (LB/G-3074)
  - Study of internal friction of alloyed molybdenum, 24:1032 (ANL-Trans-782)
- KOP'EVA, T. N. Morphological changes in myasthenia following radiation therapy, 22:51930
- KOPF, Alfred W. Complication of x-ray therapy for carcinoma of eyelid, 22:15110
  - Underdevelopment of the human breast after radiotherapy, 21:16512
- KOPF, John Oscar JANUS: Realtime timesharing computer system, 24:2525
- KOPF, L. Superconducting homogeneous InTl and PbBi films evaporated from a single source, 21:29183
- KOPFF, F. Decay of ^{119}Xe studied with isotope separator on-line techniques, 22:14053
- KOPICZYNSKI, T. Some properties of GM counters filled with $CO_2 + C_2H_5I$, 25:21405
- KOPINECK, Hermann-Josef Quantitative test of rolled products for unweldable internal defects and oxygen content by means of the neutron activation analysis, 25:46444
- KOPITAR, Majda Effect of gamma rays on proteolytic activity of in vitro irradiated blood cells. I, 22:47579
  - Effect of gamma rays on proteolytic activity of in vitro irradiated blood cells. II, 23:6386
  - Effect of whole-body irradiation on the proteolytic activity in rabbit leukocytes, 21:32749
  - Proteolytic activity of in vitro irradiated blood cells. III, 23:20321
- KOPITSCH, F. Comparison of nonstationary methods for the determination of diffusion parameters, 21:2587
  - Monte Carlo program for the time-dependent neutron transport for thermal pulses in light water, 21:25670
- KOPLIK, Bernard Analysis of multi-dimensional thermoelastic dynamic response of reactor fuel elements, 23:19877 (BNL-13311)
- KOPLOW, Harold Adaptation of a table-top computer to complete ^{60}Co radiation therapy dosimetry and treatment planning. I, 24:12084
  - Adaptation of table-top electronic calculator to complete ^{60}Co dosimetry, 23:38585
- KOPNIN, N. B. Nonlinear electrodynamics of thin superconducting films, 24:45188
  - Viscous vortex flow in superconductors with paramagnetic impurities, 25:56086
- KOPOLDOVA, J. Effect of γ-irradiation on cyclic dodecapeptide polymyxin B, 23:47522
- KOPONEN, B. L. Application of asymptotic diffusion theory methods to small systems, 21:25634 (UCRL-70012)
  - Application of asymptotic diffusion theory methods to small systems, adaptation of ZOOM, 22:33108
  - Fast reactor systems for secondary space power, 23:49603 (UCRL-71149)
  - Linearly anisotropic extensions of asymptotic neutron diffusion theory, 24:43850
- KOPOSOVA, R. P. Radiosensitivity of the hair follicle and indices of oxidating and reducing potential in the use of some radiomodifying agents, 24:34412
- KOPP, David Theodore Thermally stimulated electron emission from Li F, 25:15953
- KOPP, E. Development and recent applications of Re/Os dating method, 22:6475
  - Mass spectrometer for the simultaneous measurement of the neutral and the ion composition of the upper atmosphere, 25:21482
- KOPP, H. Late lesions following dermatologic radiotherapy, 23:29874
  - Late lesions following dermatologic radiotherapy, 23:31980
  - Treatment of plantar warts with x rays, 21:36676
- KOPP, H. H. Computer development and the modular program, 22:44921 (KAPL-P-3397)
- KOPP, H. J. DATATRAN experience, 24:16279 (KAPL-P-3871)
  - DATATRAN: data-handling computer language for large modular reactor design system, 21:25628 (KAPL-P-3320)
  - Neutron absorption rate predictions for materials with anisotropic effective macroscopic cross sections, 21:35390 (KAPL-P-3340)
  - Neutron absorption rate predictions for materials with anisotropic effective macroscopic cross sections, 21:38181
- KOPP, I. Z. Marine and stationary liquid metal power installations, 23:52319
- KOPP, J. Camera view of cosmic rays in the 25-foot bubble chamber, 24:50604 (TID-25473(Vol.2), pp 203-6)
  - Vapour pressure of ^{3}He in high magnetic fields, 22:22103
- KOPP, J. F. Tracing water pollution with an emission spectrograph, 23:24078
- KOPP, J. P. Korringa-like relaxation in rare earth—hydrogen alloys, 23:42484
  - NMR studies of magnetic properties of light rare-earth hydrides, 21:20569
  - Proton Knight shifts in the light rare earth—H systems, 21:18804
- KOPP, Jay Patrick NMR of light rare earth hydrides, 23:23282
- KOPP, L. E. Bibliography of publications and reports of Radiation Division, BNL, 8/65—6/68, 23:19902 (BNL-50132)
- KOPP, Laurence Pool reactor experiments with control rods, 21:38708
- KOPP, M. Paramagnetic centres in irradiated, oxidized, and reduced Na silicate glasses, 25:36278
- KOPP, M. C. Portable scalar, 22:45277 (CNEA-204)
- KOPP, M. K. New type of position-sensitive detectors of ionizing radiation using risetime measurement, 22:47351
  - Position—sensitive radiation detector, 24:7639
  - Some applications and properties of one- and two-dimensional position-sensitive proportional counters, 24:39306
  - Wide band low noise voltage sensitive preamplifier with temperature compensation, 25:32233
- KOPP, Manfred K. Position-sensitive radiation detector, 24:48274
- KOPP, O. C. Monoclinic lanthanide oxyhydroxide: ErO(OH), 21:5843 (ORNL-P-1771)
- KOPP, P. M. Irradiation research on liver alcohol dehydrogenase in aqueous solution, 21:32586
- KOPP, Roger A. Coronal streamers. III, 24:42458
  - Equilibrium structure of shock-heated corona, 23:18342 (AD-674060)
  - Gas—magnetic field interactions in the solar corona, 25:47283
  - Magnetic fields and the temperature structure of the chromosphere-corona interface, 22:41283
- KOPP, Ursula Effects of x radiation and actinomycin D on intestinal epithelium of dogs, 25:6798
- KOPP, Wolf-Ulrich Ternary system Al—Mn—V, 23:48467
  - Time aging of Al—Mn alloys with Cr, V, or Ti, 24:10065
- KOPPANG, H. S. Radiosensitivity of rat incisor, 24:27698
- KOPPANG, Hanna Stroemme Studies on the radiosensitivity of the rat incisor, 22:51895
- KOPPANG, Hanna Stromme Further studies on the radiosensitivity of the rat incisor, 25:2592
- KOPPANY, C. R. Dynamic model of SPTF main flow loop, 24:5798
- KOPPE, H. Approximate calculation of the reversible magnetization curve of type II superconductors, 24:45179
  - Current-carrying capacity of a hard superconducting wire, 21:2139
  - Determination of pinning forces from magnetization curves of wires, 24:5140
  - Electrodynamics of superconductors, 25:19592
  - Quantum mechanics with constraints, 25:38624
  - Superconducting critical currents of Pb—Tl alloys, 22:34555
  - Theory of superconductivity, 23:20837
- KOPPE, Heinz Inelastic scattering model, 24:25993
- KOPPE, V. T. Excitation functions for first negative system N_2^+ on excitation of N by fast electrons, 25:13998
  - Infrared emission spectra of some molecular gases excited by fast electrons, 23:36520
  - N, O, and air emission spectra excited by fast electrons, 23:51522
- KOPPEL, A. Exact semigeodetic two-variable solutions of Einstein's empty space equations, 23:18999
  - Semigeodetic two-variable solutions of Einstein's empty space equations and correspondence principle, 23:18998
- KOPPEL, J. U. Ab initio calculation of phonon dispersion curves for beryllium, 22:50219 (GA-8745)
  - Crystal-binding effects on Doppler broadening of neutron absorption resonances, 24:40656
  - GASKET unified code for thermal neutron scattering, 21:11924 (GA-7417)
  - GASKET: a unified code for thermal neutron scattering, 21:31830 (GA-7417(Rev.))
  - Generalized method for mean emission time correction, 22:32458
  - Neutron scattering by polyethylene, 23:28229
  - Phonon dispersion relations for beryllium metal, 21:16965
  - Phonon spectrum of beryllium oxide, 22:24406 (GA-6862)
  - Prog. rpt. on integral neutron thermalization, 6/68, 22:48414 (GA-8773)
  - Prog. rpt. on integral neutron thermalization, annual, 10/67—9/68, 23:28211 (GA-9036)
  - Prog. rpt. on thermal neutron scattering measurements in water, 5/69, 23:49298 (NP-17997)
  - Reference manual for ENDF thermal neutron scattering data, 24:49677 (GA-8774)
  - Slow neutron scattering and thermalization by benzene, 21:35389 (GA-7898, App.)
  - Slow-neutron scattering by diphenyl, 23:8911
- KOPPEL, Juan U. Neutron scattering in beryllium, 21:38155 (GA-8031)
- KOPPEL, Juan Ulrico Phonon dispersion curves for beryllium, 23:10712
- KOPPEL, L. B. Generalized computer program for flowsheet calculation and process data reduction, 21:3142 (ANL-7197)
- KOPPEL, Lowell B. Dynamics and control of a batch reactor, 22:33539
  - Engineering development of fluid-bed fluoride volatility processes. XIII, 23:7586 (ANL-7370)
  - Engineering-scale studies of the fluorination of uranium oxide with bromine pentafluoride, 23:6207
  - Fluidized-bed disposal of fluorine, 21:45228
- KOPPEL, Marcel Scintillation camera in the evaluation of renal transplants, 24:17080
- KOPPENAAL, T. J. Irradiation hardening in copper and copper alloys, 22:21744
  - Strengthening in neutron irradiated copper, 23:34049
  - Strengthening irradiated Cu single crystals after annealing, 22:11016
  - Strengthening mechanism in neutron irradiated gold and silver single crystals, 23:34050
  - Stress relaxation in neutron irradiated copper single crystals, 21:24812
- KOPPENHAGEN, K. Perfusion lung scintigraphy in primary vascular pulmonary hypertension, 25:55284
- KOPPITZ, J. Radial and axial development of light emission in a spark channel by means of a streak camera, 23:3466 (BMwF-FBK-68-33)
- KOPPITZ, Joern Radial and axial development of luminescence in spark channel investigated with a Wisch camera, 21:42103
- KOPP-SCHOLZ, U. Nonsense mutants of Serratia phage Kappa. I, -24:41856
- KOPRDA, V. Internal exposure hazards evaluation from activated corrosion products, 21:26465
- KOPRDA, Vasil Internal contamination by activated corrosion products. II, 22:19343
- KOPRIWA, Beatrix Markus Technique for radioautography of germ cells, 25:4421
  - The influence of development on the number and appearance of silver grains in electron microscopic radioautography, 22:33638
- KOPROWSKI, B. J. Examination techniques for high burnup U—Pu fuel elements for fast-breeder reactors, 22:4417
  - Irradiation performance of fast reactor uranium—plutonium metal fuels, 23:10240
  - Performance of advanced U—Pu—Zr alloy fuel elements under fast-reactor conditions, 21:38487
  - Performance of mixed-carbide fuel rods under fast-reactor conditions, 22:4912
  - Performance of vibratorily compacted mixed-oxide fuel rods under fast-reactor conditions, 21:38476
  - Postirradiation examination of U—Pu—Zr fuel elements, 24:22403 (ANL-7602)
  - Profilometer for dimensional inspection of irradiated LMFBR fuel elements, 25:6033
  - Profilometer for the dimensional inspection of irradiated fuel elements, 25:51950
  - Transfer and analysis of highly radioactive materials, 24:475
- KOPROWSKI, H. Absence of repressor in SV_{40}-transformed cells, 23:33913
- KOPROWSKI, R. R. Rochester gas and electric power system and site considerations, 23:28391
  - Startup and power escalation of the R. E. Ginna nuclear power station, 24:33197
- KOPROWSKI, Robert R. Startup and power escalation at the R. E. Ginna Nuclear Power Plant, 25:18070
- KOPSCH, D. Alpha—proton discrimination with NE 213 liquid scintillator used for measurement of (n,α)-reaction on ^{12}C, 21:43256
  - Fast neutron time-of-flight spectrometer used with the Karlsruhe isochronous cyclotron, 22:45330
  - High resolution total fast neutron cross sections on nonfissible nuclei in energy range 0.5 less than or equal to E/sub n/ less than or equal to 30 MeV, 23:5826
  - High resolution total neutron cross sections between 0.5 to 30 MeV, 23:13204 (EURFNR-591)
  - High resolution total neutron cross sections for Na, Cl, K, V, Mn, and Co between 0.5 and 30 MeV, 25:38922 (EURFNR-591(Suppl.2))
  - High resolution total neutron cross sections for Si, Cr, and Ni between 0.5 and 30 MeV, 25:38921 (EURFNR-591(Suppl.1))
  - Method for very high resolution cross-section measurements, 21:16141 (KFK-453)
  - New total neutron cross section measurement of uranium between 0.5—4.35 MeV, 24:38205 (EURFNR-777)
  - New total neutron cross-section measurement of U between 0.5 to 4.35 MeV, 25:15104
  - Total n—p scattering cross section in the energy range 0.7-32 MeV, 23:51851
- KOPSKY, V. Molecular field study of isotopic effect in KH/sub 2x/D/sub 2(1-x)/PO_4 mixed crystals, 25:59196
- KOPTA, S. Effective resolving time in coincidence measurements on the cyclotron beam, 21:4141 (JINR-E13-2926)
  - Effective resolving time in coincidence measurements on the cyclotron beam, 21:19121

- Excited states of ^{76}As from ^{76}Ge(p,n)^{76}As reaction, 25:50670
- Production of carrier-free radioiosotpes from targets irradiated with deuterons of α-particles in cyclotron. I, 23:24215 (INP-662)
- Production of carrier-free radioisotopes from targets irradiated with deuterons or α-particles in cyclotron. II, 23:24216 (INP-663)

KOPTA, Stefan Production of carrier-free radioisotopes in U-120 Krakow cyclotron. I, 24:13976
- Production of carrier-free radioisotopes from targets irradiated with deuterons or α-particles in the U-120 Krakow cyclotron. II, 24:22718

KOPTELOV, Evgueni Soviet research reactors, 23:17257

KOPTENKO, V. M. Device for ionization of material vaporized by an electron beam, 25:33055

KOPTEV, V. M. Effective operation of open-cycle MHD installations, 24:21628

KOPTEV, V. P. Use of scintillation gamma spectrometer as a calibration quantometer, 22:30853

KOPTSEVICH, T. Meteorological effects on temporary changes in large-scale radioactive atmospheric pollution of near-ground air layer, 23:17588

KOPTYYUG, V. A. Isotopic exchange reaction of hydrogen in arenyl ions and their antecedents, 25:34599

KOPUNEC, R. Laboratory irradiation source for radiation chemical research, 21:28040
- Preparation and cosublimation of cyclopentadienyl derivatives of promethium and actinium, 23:31329

KOPVILLEM, U. Kh. Continuous generation of gravitation rays, 23:15241
- Feasibility of generating and receiving coherent gravitational waves by optically closed systems, 21:42210
- Magnetic neutron counter, 21:3251
- Possibility of generation and detection of gravitational rays, 22:18025
- Sonic excitation of a superradiative electromagnetic state in matter, 23:5503

KOPYLOV, A. S. Prospects for treating water from nuclear electric power stations with pulverized ionites, 24:9431 (JPRS-49539)
- Prospects of water purification in nuclear power plant cycles with powdered ion exchange resins, 23:40838

KOPYLOV, G. I. Correlation of identical particles emitted by highly excited nuclei, 25:50807 (JINR-P4-5927)
- Dalitz plot for four-particle cascade decays, 21:9783 (JINR-P1-3049)
- Dalitz plots for many-particle systems in the invariant variables, 23:23392 (JINR-P1-4279)
- Effective mass spectrum in arbitrary cascades, 21:18940 (JINR-P2-3162)
- Forbidden configurations in three photon systems, 21:2411
- Identification of the reactions at high energies, 24:40350 (JINR-P1-5123)
- Identification of the resonance production reactions, 23:36854 (JINR-P1-4419)
- Indirect methods in kinematics, 22:13694
- Integral equations of cascade kinematics, 25:9708
- Integral equations of the cascade kinematics, 25:7657 (JINR-P1-4926)
- Interference of identical particles in the processes involving the resonances, 25:5350 (JINR-P1-5315)
- Interference of identical particles in processes with excited nuclei and resonance states, 25:45727
- Interference phenomena in the system of two resonances, 25:30848 (JINR-P1-5668)
- Kinematics of resonance pair production, 23:23454 (JINR-P1-4280)
- Lorentz-factor as a tool to identify resonances, 23:1635
- Λ γ-pairs and Λ eta-resonance, 21:13673 (JINR-P1-3048)
- Method to identify resonances, 22:5593
- Monte Carlo simulation of peripheral interactions. I, 23:23393 (JINR-P1-4290)
- Monte-Carlo method for multi-Regge reactions, 25:45750
- One method of resonance identification, 21:21202 (JINR-P1-3164)
- Particle interference in the processes involving excited nuclei, 25:31395 (JINR-P1-5648)
- Possibilities of the resonance interferometry, 25:30847 (JINR-P1-5666)
- Rectangular Dalitz-plots, 23:25705 (JINR-P1-4281)
- Simulation of peripheral interactions. I, 24:37780 (NP-tr-1904)

KOPYLOV, I. M. Conference on problems of stellar evolution and variable stars, Moscow, 11/64, 25:16659
- Electron densities in the atmospheres of hot stars. II, 21:16695
- Evolution of classical Cepheids, 21:37035
- Evolutionary interpretation of the H—R diagram for hot stars. II, 21:16681
- Evolutionary interpretation of the spectrum—luminosity diagram for hot stars. I, 21:1991
- Evolutionary patterns for classical Cepheids, 21:33100
- Microturbulent motions in atmospheres of hot stars. I, 21:16712
- Physical characteristics of hot stars, 21:37029
- Physical conditions in atmosphere of P Cygni, 25:19342
- Velocity field in the atmosphere of the supergiant eta Leo (A0 Ib), 21:37030

KOPYLOV, V. A. Changes in physico-chemical properties of polyphenol oxidase and its isozymes in γ-irradiated vegetable tissue, 25:49106
- Mutagenic action of 3.4-diosyphenylalanine in irradiated tissues, 24:11958

KOPYLOV, V. F. Some aspects of studying charged-particles fluxes with traps and analyzers. I, 25:22409

KOPYLOV, V. S. Determination of hydrogen in sodium coolant, 24:36026

KOPYLOV, Yu. A. Investigation of the influence of x rays on the electric conductivity of liquid organic photoconductors, 21:5919
- Laws governing supplementary conductivity induced by x radiation in liquid organic photo-conductors. III, 24:36271

KOPYLOV, Yu. M. Studies of the auroral x radiation at conjugate points Kerguelen—Archangel, 25:30395

KOPYLOVA, D. K. Analysis of $\pi^{-}p \rightarrow n\pi^{+}\pi^{-}m\pi^{0}$ (m = 1,2,3) and $\pi^{-}p \rightarrow n2\pi^{+}2\pi^{-}m\pi^{0}$ (m = 1,2) reactions, 25:12204 (JINR-P1-5431)
- Channels of reaction $\pi^{-}p \rightarrow n2\pi^{+}2\pi^{-}m\pi^{0}$ at 4 GeV/c, 24:42887
- Channels of reaction $\pi^{-}p \rightarrow n\pi^{+}\pi^{-}m\pi^{0}$ at pc = 4 GeV, 24:21937 (NP-tr-1877)
- Channels of the reaction $\pi^{-}p \rightarrow n\pi^{+}\pi^{-}m\pi^{0}$ at pc = 4 GeV, 24:15489
- Integral equations of cascade kinematics, 25:9708
- Integral equations of the cascade kinematics, 25:7657 (JINR-P1-4926)
- Investigation of channels of reaction $\pi^{-} + p \rightarrow n + \pi^{+} + \pi^{-} + m\ \pi^{0}$ at pc = 4 GeV, 23:34533 (JINR-P1-4412)
- Investigation of the $\pi^{-}p \rightarrow \pi^{+} + \pi^{-} + m\ \pi^{0} + n$ and $\pi^{-}p \rightarrow 2\ \pi^{+} + 2\ \pi^{-} + m\ \pi^{0} + n$ reactions at 4 Gev/c π^{-}-meson momentum, 21:876 (JINR-P-2885)
- Reaction $\pi^{-} + p \rightarrow \pi^{-} + \pi^{+} + n + \pi^{0} + \pi^{0}$ at 4 GeV/c π^{-}-mesons, 22:17866 (JINR-P1-3677)

KOPYLOVSKII, B. D. Superconducting solenoids from niobium and zirconium alloys, 21:9479

KOPYSHEV, V. P. Second virial coefficient of a plasma, 23:3490

KOPYSOV, Yu. S. Calibrating neutrino installations with aid of artificial neutrino sources, 23:41068
- Emission of neutrinos by massive stars and supernova, 24:8262
- Neutrino disintegration of the deuteron, 21:9759
- Splitting of the deuteron by solar neutrinos, 23:42640

KOPYTENKO, Yu. A. Certain peculiarities in distribution of concentration of plasma and Alfven velocity fields in magnetosphere, 23:14688
- Concerning nature of stable short-period Pc3 and Pc4 oscillations of geomagnetic field, 23:14689
- Relation of stable pulsations of the geomagnetic field with parameters of the magnetosphere, 25:9353
- Spatial distribution of geomagnetic pulsations, 24:39982

KOPYTIN, I. V. Analysis of 2-forbidden β transitions, 22:24906
- Analysis of twice-forbidden β-transitions, 21:31765
- Beta decay into collective levels of spherical nuclei, 24:13437
- $\beta\gamma$ correlations in once-forbidden β transitions of nuclei at 72 less than or equal to A less than or equal to 86, 24:30929
- Double-forbidden β transitions in nuclei ^{129}I, ^{135}Cs, ^{137}Cs, 24:8898
- Electron capture to 2^{+} level in nuclei ^{73}As, ^{74}As, ^{84}Rb, 24:38182
- Once-forbidden β decay into collective levels of spherical nuclei at 72 less than or equal to A less than or equal to 86, 24:33166

KOPYTIN, L. M. Heats of formation of intermetallic compounds of plutonium with gallium and tin, 22:31364

KOPYTKIN, Yu. V. Dosimetry in intratissular administration of ^{198}Au, 23:50529

KOPYTOFF, V. Design of a 36-inch miter valve, 24:36460 (UCRL-50863)

KOR, J. Double scattering of electromagnetic radiation by bound electrons, 25:19949

KOR, S. K. Volume viscosity and structure of D_2O using ultrasonics, 25:12990

KORABEL'NIKOVA, N. I. Study of irradiated interferon by biological and EPR methods, 22:47467

KORABLEV, L. V. Instability of plasma with an isotropic distribution function, 22:29532
- Instability, connected with the loss cone of a plasma with hot electrons, 21:23227
- Stability of a homogeneous plasma with isotropic distribution functions in a magnetic field, 22:11480

KORABLEV, V. V. Characteristic energy loss spectra of electrons in tungsten single crystals, 25:22589
- Energy spectra of inelastically scattered and Auger electrons from single crystals, 25:22349
- Nature of the fine structure of the elastic electron-reflection curves in the moderate energy range, 24:6644
- Secondary electron emission coefficient of Si in range from 100 to 2000 eV, 23:5460
- Secondary electron emission of molybdenum crystals, 24:46993
- Secondary-electron spectra and characteristic energy losses of silicon single crystals, 24:6344

KORABLEVA, N. A. Extraction of nitric acid and uranyl nitrate with the dihexyl phenylphosphonic acid (DHEPPA), 23:7605

KORABLEVA, N. P. Gamma-exposure of potatoes for prevention of sprouting, 23:50969

KORACH, G. Scattered radiation in the formation of the soft tissue image, 24:7951

KORALEWSKI, Jozef Heavy ice and deuterium drive-in targets for dD neutron production, 23:42811

KORANDA, J. Fate and importance of radionuclides produced in plowshare events, 23:29476 (UCRL-71443)

KORANDA, J. J. Distribution, residence time, and inventory of tritium in Sedan crater ejecta, 25:29244 (UCRL-72572)
- Distribution, residence time, and inventory of tritium in Sedan crater ejecta, 25:37512
- Ecology and radiation exposure of kangaroo rats living in a tritiated environment, 25:6666
- Importance of tritium in the civil defense context, 25:37793 (UCRL-73085)
- Measurement of transpiration in tropical trees with tritiated water, 25:15997
- Radioecological studies of tritium movement in a tropical rain forest, 24:41491 (CONF-700101-(Vol.1), pp 422-38)
- Studies on liver DNA in tritiated kangaroo rats living at Sedan Crater, 22:49184 (UCRL-50461)
- Tritium distribution, residence time, and inventory in Sedan crater ejecta, 25:4181

KORANDA, John F. Predicting tritium movement through a tropical rain forest, 23:28997 (TID-24933)

KORANDA, John J. Leaching of radionuclides at Sedan crater, 22:40284 (UCRL-70630)
- Persistence of radionuclides at sites of nuclear detonations, 23:45434 (UCRL-71867)
- Postshot distribution and movement of radionuclides in nuclear crater ejecta, 24:41490 (CONF-700101-(Vol.1), pp 400-21)
- Radioecological studies of Amchitka Island. II, 24:27562 (UCRL-50786)
- Radioecological studies, 24:653 (UCRL-50718, pp 43-56)
- Recent measurements of ^{137}Cs residence time in Alaskan vegetation, 25:49122 (UCRL-72925)
- Residual tritium at Sedan crater, 21:28446 (UCRL-70292)
- Residual tritium at Sedan crater. II, 22:12465 (UCRL-50360)
- Sampling and analytical systems for measurement of environmental radioactivity, 25:46622 (UCRL-72987)

KORB, Frances Effect of whole-body x-irradiation on tyrosine hydroxylase and catecholamine levels, 24:48415

KORB, G. Effect of ionizing radiation on collagen-containing medical bioproducts, 22:52092

KORB, Lawrence J. Advanced composite material applications in future boosters and spacecraft, 24:12472

KORBA, A. A thermoluminescent personnel neutron dosimeter, 24:29587

KORBA, Alvin Thermoluminescent dosimeter badge, 25:26524

KORBA, M. P. Installation for investigation of interaction of electron and photon beams with energy up to 2 GeV with nuclei and nucleons, 22:44567

KORBEL, K. Applicability of the radiogauges for measuring the density of the flowing solid—liquid mixtures, 25:4896
- Automatic activation analysis system using a fast neutron generator, 21:1290
- Borehole neutron tube generator, 23:39920
- Determination of some kinematic flow characteristics of water/sand stowing mixture by means of radiometric measuring methods, 25:23737 (INP-717)
- Measurement of the air-exchange rate in cooling chambers by means of beta ionizing detectors, 25:49025 (INP-743)
- On a certain form of the generalized equation of the flow resistances of hydromixtures, 25:44499 (INP-739)
- Semiconductor system for analog processing of signals obtained from radiometric control set of the calcium content in the cement-feeding, 25:29389 (ITJ-2/E)
- Solid-phase-slip of the stowing mixture using radioisotopes, 24:378 (INR-P-1057)
- Some preliminary project studies on the sequential recognizing systems of straight tracks in monitoring nuclear film-badges, 23:31562 (INR-963)
- The applicability of radiogauges for measuring the density of flowing solid-liquid mixtures, 25:23879 (INP-704)

KORBEL, Kazimet Bore-hole neutron generator, 22:28189

KORBEL, Kazimierz Design of a pulsed neutron source and bore-hole fast neutron generator, 22:43134
- Keyed stabilizing system for single-channel gamma-ray spectrometer, 22:23311
- Radioisotope measurements of the flow parameters of the postflotation slurry, 25:13176
- Remote control and pulse transmission system for the multicounter directional probe, 22:2443
- Semiconductor system for analog processing of radiometric signals for determination of Ca, 25:42175
- Target-current integrator with digital readout, 21:28326
- Use of radioisotopes in investigations of mixing waste waters with surface bodies of water, 22:48926

KORBEL, V. Fits to electroproduction data in the resonance region and consequences for sigma/sub l//sigma/sub t/, 25:22659 (DESY-71/2)
- Preliminary results on coincidence measurements for electroproduction in the deep inelastic region, 25:38689 (DESY-71/19)
- Separation of sigma/sub l/ and sigma/sub t/ in region of deep inelastic electron—proton scattering, 24:10652 (DESY-69/46)

KORBEL, Z. Determination of real part of elastic proton—neutron scattering at an energy of 8 GeV, 22:1381
- Real part of amplitude of proton—proton scattering at an energy of 3 GeV, 22:1380

KORBETSKII, E. V. Elastic and inelastic scattering of deuterons by nuclei, 25:36848
- Inelastic scattering of deuterons, 25:56780
- Optical model description of 14-MeV neutron inelastic scattering, 24:8845
- Uses of optical models describing elastic scattering of 2.8 MeV neutrons, 22:24917

KORBITZ, Bernard C. Advanced cancer of the head and neck, 24:17112

KORBITZ, F. W. Electrical resistivity and phase relations for the thorium—carbon system, 21:32997

KORCHAGINA, Zh. A. Methods for calculating group average cross sections in the unresolved resonance region, 24:52365 (NP-18368)

KORCHAK, A. A. Compton effect on relativistic electrons in the solar atmosphere, 21:24871
- Evolution of high-temperature regions under cosmic conditions, 23:36358
- Origin of solar-flare x rays, 25:47286
- Polarization of cosmic x rays, 21:18390
- Possible mechanisms for generating hard x rays in solar flares, 22:820
- Possible polarization of bremsstrahlung x radiation from solar flares, 22:4999

  Synchrotron radiation in a dipole magnetic field, 21:24985
KORCHAK, I. I. Interaction of oxides of rare earth elements with the oxide of sodium, 23:41729
KORCHAZHKIN, V. V. Structural changing during degradation of supersaturated solid solution of Ta in Co, 25:19233
KORCHEMKIN, M. A. Kinetic equations for quadrupole resonance of a spin-3/2 nucleus, 21:16992
KORCHEMKIN, V. I. Peculiarities of clinical manifestations of radiation sickness in rhesus monkeys during γ irradiation, 22:23669
KORCHEMNAYA, E. K. Zone electrophoresis on paper in inorganic analysis. I, 22:33492
  Zone electrophoresis on paper in inorganic analysis. II, 23:19833
  Zone electrophoresis on paper in inorganic analysis. III, 24:2113
KORCHEVOI, Yu. P. Effective electron impact excitation and ionization cross sections for Cs, Rb, and K atoms in the sub-threshold region, 21:9314
  Electrode effects in a cesium discharge, 25:47528
  Ionic composition of arc-discharge plasma in cesium vapor, 23:8617
  Ionization in discharge cesium plasma, 21:46375
  Molecular Cs ions in Cs discharge plasma, 24:21781
  Production of a cesium plasma by resonance irradiation and some of its physical properties, 21:44124
  Thermalization of electrons in a plasma of a short arc in cesium vapor, 23:12813
KORCHUGANOV, B. N. On radon content in the waters of the upper volga, 25:41929
KORDA, Nancy Long-term observations of skin grafts between chimeric cattle twins, 25:46969 (COO-1210-67)
KORDA, Yu. S. Automatic measurement of reaction yield on electrostatic accelerator of the Physico-Technical Institute of the Ukrainian Academy of Sciences, 22:18150
  Automation of nuclear experiment on 4-MeV electrostatic accelerator of FTI of Academy of Sciences, USSR. II, 23:2663 (NP-17612)
  Automation of nuclear experiment on 4-MeV electrostatic accelerator of FTI of Academy of Sciences, USSR. I, 23:4054 (NP-17611)
  Complex γ-spectrum decomposition by means of the general purpose control computer Dnieper, 22:18354
  Excitation function of ^{27}Al(p,γ)^{28}Si reaction in the energy interval of Ep = 2300 to 3200 keV, 21:33945
  Investigation of gamma rays from inelastic proton scattering and radiative proton capture by ^{26}Mg, 21:7756
  Investigation of γ rays from ^{26}Mg(p,γ)^{27}Al reaction at E/sub p/ = 2322 keV, 22:9804
  Levels of ^{27}Al with excitation energies 10.248, 10.586, and 10.692 MeV from the reaction ^{26}Mg(p,γ)^{27}Al, 21:33939
  Levels of ^{37}Cl nucleus at excitation energies of 10.4 to 10.6 MeV in ^{36}S(p,γ)^{37}Cl reaction, 22:39618
  Low levels of ^{37}Cl nuclei, 22:9807
  Quantum characteristics of 3.01- and 2.65-MeV levels in ^{35}Cl nucleus, 22:9805
  Radiactive proton capture in ^{34}S and ^{36}S, 22:26994
  Radiative proton capture by ^{34}S and the excited states of ^{35}Cl, 21:29934
  Resonances in the reaction ^{34}S(pγ)^{35}Cl, 21:33919
  Studies of γ rays from inelastic scattering reaction and radiative capture of protons by ^{26}Mg nuclei, 21:44637
  Studies of γ rays in inelastic proton scattering by ^{34}S nuclei, 22:9806
  Triple pγγ correlations of γ rays from decay of resonant state of ^{27}Al with E = 10.480 MeV, 22:13965
  Triple pγγ-correlations studies from the reaction ^{34}S(p,γ)^{3}Cl, 21:44627
KORDAS, Zdzislawa Stability of a bar in parallel fluid flow with front drag taken into consideration, 21:24161 (WAPD-Trans-51)
KORDIG, James W. Correlation of nozzle submergence losses in solid rocket motors, 21:9399
KORDIS, J. Some tensimetric studies in the mixed ceria—terbia system, 22:33341
  Tensimetric studies of system Ce/sub y/Tb/sub 1-y/O/sub x/, 22:23897 (CONF-670502-, pp 200-12)
  X-ray diffraction of TbO/sub x/—O_2 and mixed CeTb—O systems, 23:8336
KORDUBA, B. M. Influence of Cu admixtures on lattice parameters in monoclinic modification of ZrO_2, 25:22199
KORDYUKEVICH, V. O. Decay of neutron defficient isotopes of Pt, Ir, and Os, 25:28389
  Investigation of gamma rays from ^{185}Pt by means of spectrometer with a Ge—Li detector, 21:44690
  Lifetimes of the lower excited states of ^{185}Ir, 21:27587
KOREIS, D. L. Range of allowable operating conditions for FFTF closed loops, 24:5540 (BNWL-993)
KOREKI, Shoji Device for manipulating a reactor control rod, 22:50855
KORELEVA, V. P. Cross sections for radiative capture of fast neutron in 10 to 350 keV energy region, 24:10973
KOREN, H. Shell-model calculations with Woods—Saxon wave functions in ^{16}O and ^{40}Ca, 23:32903
KOREN, J. F. Continuous-dynode electron multiplier detectors in TLC, 24:25287
  Electron-induced luminescence in radiation standards of tritium and radiocarbon in acryl plastics, 25:15889
  Enhanced photoemulsion sensitivity at low temperatures, 24:11457
  Fast radiochromatographic detection of tritium, 24:11454
  Tritium detection by β-radioluminescence. II, 24:18903
  Two-dimensional scanner for radiochromatograms employing an electron multiplier detector in vacuo, 25:48924
KOREN, Jan F. Radio- and thermo-luminescence detection and measurement of tritium in thin-layer radiochromatography, 22:38024
KOREN, K. Radiation load to the gonads in diagnostic and therapeutic procedures, 22:21506
KOREN, Kristian Cesium-137 in carrots in Norway, fall 1964 and fall 1965, 21:41394 (NYO-3364-30)
  Cesium-137 in milk in Norway, 1962—67, 21:41395 (NYO-3364-35)
  Cesium-137 in people and food in Norway, 1963-66, 21:10729 (TID-23484)
  Cesium-137 in potatoes in Norway, fall 1964 and fall 1965, 22:494 (NYO-3364-29)
  Seasonal variations in ^{137}Cs concentrations in cow's milk, 1963—66, 21:10873 (NYO-3364-27)
KOREN, Marvin Radiation from a high-temperature, low-density plasma, 25:49664
KOREN, Zeev Role of host factors in mouse trophoblastic tissue growth, 22:51413
KORENBLIT, I. Ya. Lattice constant and volume expansion factor dependence on isotope composition, 24:25050
KORENCHENKO, S. M. Search for $\mu^+ \to e^+ + e^+ + e^-$ decay, 25:52999
  Search for $\mu^+ \to e^+ + \gamma$ decay, 25:33658
  Search for $\pi^+ \to e^+ + \tau$/sub e/ $+ e^+ + e^-$ decay, 25:59255 (BNL-tr-451)
  Search for $\pi^+ \to e^+ + \tau e + e^+ + e^-$ decay, 25:33528
  Search for the decay $\mu^+ \to e^+ + e^+ + e^-$, 25:19891 (JINR-P1-5542)
  Search for the decay $\mu^+ \to e^+ + e^+ + e^-$, 25:59254 (BNL-tr-449)
  Search for the $\pi^+ \to e^+ + e^+ + e^- + \tau$ decay, 24:51917
  Shift of discharge in spark chamber in magnetic field, 21:6244
  Shower efficiency of spark chambers, 25:35006 (JINR-P13-5810)
  Spark chamber magnetic spectrometer for studying the rare decays and interactions of particles, 24:50584 (JINR-P13-5170)
  XII international conference on high energy physics, Dubna, 8/64. II, 21:40142
KORENEK, Jan Machine for replacement of fuel elements, 23:26007
KORENEVSKII, L. N. Correlation for investigation oscillation in stationary gas discharge, 21:31414
KORENEVSKII, V. V. Change in the properties of concrete aggregates under the action of neutron radiation, 25:49595
  Change of concrete aggregate properties under neutron irradiation, 25:19296
  Hematite concrete for shielding from high neutron fluxes, 24:39735
  Influence of neutron radiation on the properties of chromite concrete, 25:49594
  Testing of a chromite concrete thermal shield model of a reactor, 24:31056
KORENKO, M. K. Dislocation relaxation in single crystals of bcc metals, 24:48835
KORENKOV, I. P. Accidental dosage estimation at large gamma-irradiation facilities, 25:55235
  Assessment of levels of irradiation of personnel, 23:6467
  Biological action and kinetics of accumulation of ^{90}Sr in the organism of cattle, 25:24345
  Concentration of long-life radioactive aerosols in atmosphere, 22:30721
  Decrease of the irradiation dose and organization of work of the personnel of radiological departments, 22:43334
  Distribution of absorbed dose in animals, 25:46985
  Dose loadings of the medical personnel of gynecological departments of Moscow Oncological Institutions, 21:8837
  Evaluation of the level of occupational irradiation among medical workers, 22:49358
  Experimental check of protection calculations for electron accelerators, 21:33813 (AEC-tr-6719, pp 103-4)
  Levels of superficial irradiation of personnel working with different radiation sources, 23:38570
  Radiation intensity in use of portable γ-defectoscopes with ^{137}Cs and ^{75}Se compounds, 21:39427
  Radiational safety in the use of radioisotopic methods in engineering industry, 25:13467
  Relationship between the extent of radioactivity and the amount of atmospheric falls, 22:40678
  Study of ^{210}Po content in environment and human body, 25:42429
  Substantiation of the choice of dosimetric and radiometric equipment used in sanitary hygienic investigations, 24:25488
KORENMAN, G. Ya Resonance mechanism of muon capture by complex nuclei, 23:52169 (JINR-E4-4601)
KORENMAN, G. Ya. anti rho-Meson production in high energy pion-collisions with nuclei, 25:3406 (IFVE-STF-69-71)
  Behavior of nucleon—nucleus interaction cross section in high energy region, 24:21994
  Characteristics of levels excited in (n,p) reactions on heavy nuclei, 24:8917
  Excitation of the giant dipole resonance in μ capture, 21:25450
  Photoproduction of charged π-mesons on carbon and oxygen nuclei, 22:26605
  Resonance mechanism of muon capture by complex nuclei, 24:52685
  rho-meson production in collisions of high energy pions with nuclei, 25:7688
KORENMAN, Stanley G. Radio-ligand binding assay for plasma estradiol, 23:38396
KORENMAN, Victor Critical-field ratio for pure superconductors outside Landau—Ginzburg region. I, 23:18563
  Critical-field ratio for pure superconductors outside Ginzburg—Landau region. II, 24:3286
  Dynamical computation of photon correlations and counting statistics, 21:17935
KORENNAYA, L. N. Diffraction polarization of neutrons in a polarized crystal, 25:59681
  Effect of polarization of target nuclei on the magnetic scattering of neutrons, 21:27636
  Small angle magnetic ne-scattering, 24:30673
  Wave diffraction in the presence of some refraction indices, 23:23606 (JINR-P4-4202)
  Wave diffraction in the presence of some refractive indices, 23:32882 (BNL-tr-272)
KORENNAYE, L. N. Temperature dependence of neutron spin precession frequencies under conditions of diffraction, 22:39568
KORENNOI, V. P. Microscopically substantiated local optical potential for α—α-scattering, 25:53521
KORESHCHENKO, N. A. Energy characteristics of pulsed plasma accelerators with dielectric erosion, 24:51726
KORETS, M. A. Pulsars, 23:22765
KORETSKAYA, S. T. Electrical and optical properties of VO_2, 25:25235
KORETSKII, Ya. P. Effect of electromagnetic forces on channel of constricted discharge, 24:37493
KORF, H. Chemical surface treatment of Ge(Li) p-i-n detectors, 23:38287
KORF, N. N. Dosimetry in short-distance x radiotherapy, 25:526
  Intracavitary measurements of absorbed doses, 23:50523
  Measurement of absorbed doses of x rays, 23:43772
KORFF, D. Comments on intensity-dependent frequency shift in Compton scattering and its possible detection, 21:5367
  Consequences of an unreasonable mass spectrum on a relativistic field theory, 22:3509
KORFF, S. A. Fast neutron latitude variations in the atmosphere at solar minimum, 21:2122
  Literature survey of recent articles on Geiger—Mueller Counters, 24:33866 (AD-702987)
  Neutron production by cosmic rays in the atmosphere, 22:19808
KORFF, Serge Cosmic ray neutron studies, 23:46305
KORFF, Serge A. Geiger counters: theory, operation, and manufacture, 25:10807 (AD-708922)
  Production of neutrons by cosmic radiation, 22:2858
KORFHAGE, Robert R. Bounds on the bandwidth of bipartite graphs, 25:60274 (LA-4744)
KORGAONKAR, K. S. Biophysical studies of eye lens epithelium, 24:48708
  Effect of groundnut oil against γ irradiation in rats, 22:49494
  Effect of γ-radiation on the aqueous solutions of L-proline and hydroxy-L-proline, 22:48881
  Gamma irradiation studies with synthetic polyamino acids, 22:40586
  Monolayer studies with γ-irradiated poly-L-serine, 25:41834
  Reactivation in uv-inactivated E. coli K_{12} by cell-free extracts, 22:36300
KORGAONKAR, Vasant Fixation and separation of elements thorium and uranium by ion exchange resins in nitrate solutions, 22:16386 (CEA-R-3222)
KORHONEN, O. ^{133}Xe radiospirometry with moving detectors, 25:52134
KORIATH, M. Investigation of the ^{192}Ir and ^{194}Ir level structures, 24:47600
  Neutron capture γ-rays from ^{192}Ir and ^{194}Ir, 25:46039
  Pair spectrometer: Ge(Li)-NaI(Tl), 25:6554 (IKF-26)
KORIDALIN, V. E. Results of measuring neutron fluxes in artificial earth satellite Cosmos-53, 24:26291
KORIDZE, V. G. Analysis of a number of cosmic-ray effects during the magnetic storm of the period of maximum of solar activity, 21:29049
  Diurnal and semidiurnal variations of cosmic-ray hard component and magnetic activity, 21:29061
  Study of a number of cosmic-ray effects during magnetic storms in August of 1958, 21:29051
KORIN, V. A. Gamma-ray absorption cross sections of ^{19}F, ^{24}Mg, and ^{40}Ca in the 10- to 30-MeV energy region, 21:2668
KORIN, V. I. Absorption of gamma quanta by Mn nuclei, 24:18379
  Absorption of γ quanta by Fe nuclei near the giant resonance, 23:37150
  Gamma-ray absorption cross section for sulphur nuclei in giant dipole resonance region, 23:13237
  Photoabsorption cross section by ^{9}Be nuclei in the region of giant dipole resonance, 23:39949
KORINEK, K. Investigations on the sorption of gaseous uranium hexafluoride on solid barium fluoride, 23:9367
KORINEVSKAYA, N. A. Spread and oblique reflections from the F-region, 23:3345
  Stratification in the F region, 23:20814
  Triple splitting of radio waves in E region, 23:20776
KORINFSKAYA, M. F. Isolation of ^{229}Th isotope and investigation of its spectroscopic properties, 24:13818
KORITSANSZKY, D. Strontium-90 content of human bones, 22:38269
KORITSANSZKY, Denes Chemical separation of ^{90}Sr in the human bone ash, 21:22252
  Measurement of the ^{90}Sr content of human bone samples, 22:38291
KORITSKII, A. T. Characteristics of radical formation in low temperature radiolysis of benzoyl peroxide, 21:40886
  Color centers in irradiated polystyrene with additives, 23:17479
  Formation of pairs of radicals during the radiolysis and photolysis of organic peroxides, 23:254
  Radiation decomposition of peroxides in a hydrocarbon environment, 23:17478
  Role of peroxides in radiation oxidation of polystyrene, 21:25888
KORJAKIN, Yu. I. Large nuclear power plants for simultaneous generation and desalting, 23:11120 (KFK-tr-275)
KORKEA-AHO, M. Isospin invariance and πN backward scattering, 25:59287
KORKHALEVA, T. C. Model of atomic power plant with natural convection, 23:40356

KORKHMAZYAN, N. A. Radiation of fast charged particles in transverse sinusoidal electric fields, 25:30713
Transition radiation of relativistic charged particles, 24:10705
KORKINA, M. P. Singularity of spherically symmetrical solution of Einstein's equations, 23:27867
Solution of Einstein equations in the Gaussian coordinates, 22:35126
Two consequences of gravitation theory in Euclidean space, 22:13858
KORKISCH, J. Analytical chemistry of the transuranium elements, 22:23114
Anion exchange of metal ions in nitric acid, aqueous-organic solvent systems. II, 25:37466
Anion exchange of metal ions in nitric acid, aqueous-organic solvent systems. I, 25:37465
Anion exchange of metal ions in nitric acid, aqueous-organic solvent systems. III, 25:37467
Anion exchange of metal ions in nitric acid, aqueous-organic solvent systems. IV, 25:37468
Anion exchange of metal ions in nitric acid, aqueous-organic solvent systems. V, 25:37469
Anion-exchange behavior of transplutonium elements and lanthanides in hydrochloric acid-organic solvent mixtures, 22:21153 (ANL-7415)
Anion-exchange behaviour of several elements in hydrobromic acid—organic solvent media, 23:40834
Anion-exchange separation of Th from rare earths in acetone-hydrochloric acid medium, 22:14567
Cation-exchange behaviour of several elements in hydrochloric acid—organic solvent media, 21:14302
Cation-exchange behaviour of several elements in nitric acid—organic solvent media, 21:43026
Cation-exchange behaviour of several elements in hydrofluoric acid—organic solvent media, 22:10341
Cation-exchange behaviour of several elements in hydrobromic acid—organic solvent media, 23:19855
Cation-exchange method for separation of uranium from molybdenum, 21:40783
Cation-exchange separation of Hf and Zr from accompanying ions, 23:19857
Cation-exchange separation of scandium from the rare-earth elements, 23:4721
Cation-exchange separation of uranium in dimethylsulphoxide medium, 25:54728
Cation-exchange separations in organic solvent-dithizone media, 23:4736
Ion exchange and extraction methods for separation of uranium, 21:25947
Ion-exchange behavior of several elements in mixed solvents, 21:45222
Ion-exchange separation of uranium and thorium from ore pulps and clear solutions, 25:2330
Modern methods for the separation of rarer metal ions, 23:35264
Separation of traces of metal ions from sodium matrices, 22:23086 (ANL-7421)
Separation of uranium from its fission products by combined ion exchange-solvent extraction, 22:21152 (ANL-7401)
KORKISCH, Johann Cation exchange separation of thorium from rare earths, 23:398
Selective cation exchange separation of carrier-free ^{137}Cs and ^{22}Na, 22:30668
Selective cation-exchange separation of cobalt in hydrochloric acid—acetone solutions, 21:32252
Selective ion-exchange separation of alkali metals, 25:26337
Separation of scandium from rare earth elements, 25:26338
KORKOS, S. Renal adenocarcinoma: scintigraphic study of primary and metastatic areas, 25:29590
KORKUC, Anna Complexogenic properties of flavanone derivatives. III, 24:44024
KORLYAKOVA, E. A. Conditions of work and the state of health in persons operating on reactors, 21:8835
Labor conditions and state of health of persons working at research nuclear reactors, 22:6818
KORMAN, A. Absolute measurement on longitudinal polarization of beta rays from isotopes: ^{46}Sc, ^{137}Cs, and ^{204}Tl, 22:9849 (INR-798/I/PL)
KORMAN, Guy Nelson Several factors affecting element accumulation in genotypes of corn selected for differential phosphorus uptake, 25:48419 (TID-25766)
KORMAN, S. Prog. rpt. on fluid transpiration arc as radiation source for solar simulation, semiannual, 1—6/67, 22:34353 (AD-661285)
KORMAN, Samuel Some new metal and metal-ceramic composites, 21:18324 (NASA-SP-5060)
KORMANO, Martti Experimental technique of in vivo high resolution microangiography, 24:41922
KORMANYOS, K. Univ. of Toledo beam—foil facility, 25:17638
KORMANYOS, S. W. Measurement of π^-p elastic scattering at 180°, 22:11592
KORMANYOS, Stephen W. Negative-pion—proton elastic scattering at 180 degrees from 1.6 to 5.3 GeV/c, 23:25524 (AD-677067)
KORMANYOS, Stephen William Pi$^-$p elastic scattering at 180° from 1.6 to 5.3 GeV/c, 22:3282
KORMENDY, John Structure of rapidly rotating relaxed globular clusters, 25:58494
KORMER, V. A. Tracer study of stereospecific butadiene polymerization, 23:28849
KORMICKI, J. Excited states of ^{153}Gd nucleus, 21:44729
Gamma transitions in ^{151}Tb and ^{152}Tb, 21:12016 (INP-481/PL)
Newly observed gamma transitions in ^{151}Tb and ^{152}Tb decay, 21:19265
Partial half lives of alpha decay of ^{151}Tb and ^{149}Tb nuclei, 21:33976
KORMICKI, Jan Complexometric determination of calcium in drugs with the aid of radioactive silver as indicator, 22:42637
Excited states of ^{153}Gd nucleus, 21:44664 (INP-546/PL)
Large permanent magnet semicircular beta ray spectrograph, 21:17835
Partial half-lives of alpha decay of ^{151}Tb and ^{149}Tb nuclei, 21:27565 (INP-535/PL)
KORMILITSIN, B. T. Electron beam focusing by a periodic magnetic field and by an additional electric field, 21:20743
KORMONDY, Edward J. Zinc in freshwater ecosystems, 23:20143 (COO-1499-3)
KORMUSHKIN, Yu. P. Determination of integrated neutron fluxes during irradiation of materials in research reactors, 25:39301 (LB/G-3014)
Effect of moderator density on reactivity of SM-2 reactor, 22:35639
Experience in operating the SM-2 experimental reactor, 21:10140
Integral, fast-neutron fluxes in the irradiation facilities of the SM-2 reactor, 24:13606
Measurement of certain characteristics of neutron fluxes in experimental arrangements of SM-2 reactor by reference to gold activation, 25:23354
Methodological problems of testing fuel elements in loop channels of SM-2 and MIR reactors, 25:34403 (JPRS-53069, pp 176-87)
Power control for loop assemblies in MIR reactor, 25:39302 (LB/G-3015)
Study of optimum position of horizontal neutron beamholes of SM-2 reactor, 21:38673
KORMUTH, J. W. Nondestructive assay of plutonium fuel plates, 25:32174 (CONF-700541-, pp 266-80)
KORN, A. Exact solutions of Milne-problem for two half-spaces with different media and of problem of an infinite plate, 21:4177 (BMwF-FBK-66-19)
KORN, Axel Milne's problem for plane slab with constant source bounded by homogeneous matter, 21:40356
Rigorous solutions of Milne's problem for two adjacent half-spaces, 21:23399
KORN, Barry Trans-attack and post-attack communication requirements for fire fighting operations and control, 21:14341 (AD-643170)
KORN, D. Antiferromagnetic spin ordering of paramagnetic additives in superconductors, 22:13404
Superconductivity of disordered films of Hg, 25:17109
KORN, Dietrich Spin ordering paramagnetic additions to superconducting films prepared by quenching condensation, 25:1097 (UCRL-Trans-1418)
KORN, Granino A. Simulation and instrumentation in nuclear engineering, 24:36672
KORN, M. Ya. Image converter for ultraviolet microscope, 22:23635
KORN, O. P. Geochemical balance of radioactive elements in Black Sea and Azov Sea, 21:4635
Geochemical balance of radioactive elements in basin of Black and Azov seas. II, 24:19117
Geochemistry of Ra isotopes in Black and Azov seas and some estuaries, 21:4638
KORN, P. Effects of plasma flow on electrostatic disturbances in a Q machine, 24:15306
High-frequency surface waves on inhomogeneous plasma columns, 21:25149
Ion acoustic wave propagation in the presence of transverse inhomogeneity, 24:35513
Ion energy parameters in a Q machine, 24:26160
New results in turbulent heating, 25:38342 (CONF-710607-50)
Single-ended "Q machine" with pulsed emitter, 22:44139
Skin effect and anomalous resistivity accompanying turbulent heating, 25:47501
KORNACKI, Kazimierz Decontamination of milk from radioactive Cs and Sr by means of ion exchangers of Polish manufacture, 25:2329
Evaluation of indigenous ion exchange resins for removal of Sr from milk. I, 23:47613
Removal of radioactive I from milk by means of ion exchangers produced in Poland, 25:34703
KORNAHL, W. External beam-pulsing system for production of pulsed 4-MeV ion beams of 0.5 nsec duration, 23:20063
KORNBERG, H. A. Biological effects of fallout, 22:489 (BNWL-SA-1420)
Conference on diagnosis and treatment of deposited radionuclides, Richland, Wash., 5/67, 23:24624
Food chains in fresh water, 21:43355
Treatment of Pu-contaminated wounds, 21:36568 (BNWL-SA-1253)
Treatment of Pu-contaminated wounds with DTPA, 23:24547
KORNBERG, P. P. Relation between the linear polarisation and spectral index of quasars, 23:51238
KORNBICHLER, H. 800 MW Brunsbuettel nuclear power station, 25:20567
Boiling water reactor: development and development tendencies, 24:47817
Design, materials, fabrication, and testing of nuclear and conventional power stations, 24:50067
Development of steam-cooled fast breeders, 23:23862
Experience gained in operation of three demonstration nuclear power stations in Federal Republic of Germany, 25:53957 (A/CONF.49/P-806)
Modern boiling water reactor and its technical safety aspects, 22:25017
Progress with water-cooled reactors. II, 24:52858
Safety techniques in nuclear power stations with boiling water reactors, 22:30208
KORNBICHLER, Heinz Boiling superheat nuclear reactor, 21:7999
Boiling water reactors: construction and safety aspects, 22:30196
Boiling-water reactor, 24:22383
Bypass control for nuclear reactors, 21:5646
Design and construction of nuclear power plants in Germany, 22:46933
Fuel element heat transfer arrangement, 22:37571
Nuclear fuel element, 21:5729
Nuclear reactors, 21:35596
Reactors, 23:49560
KORNBICHLER, S. Safeguarding fissile material flow at strategic points in power reactors, 23:43117 (KFK-803)
KORNBICHLER, Siegfried Operational behavior of reactor components in Lingen station, 23:19453
KORNBILCHER, S. Design features of KWL, 23:9112
KORNBLIT, Avinoam Depression of superfluid transition temperature in ^{4}He by heat current, 25:43286
KORNBLITH, L. Jr. AEC's inspection program for quality assurance during construction, 23:37439
KORNBLUEH, Igho H. Ionization of the air, 21:10826
KORNBLUM, H. N. Sensitivity of solid state detectors to fluorescent x-rays, 22:14754 (UCID-15277)
KORNBLUM, J. Donor selection for homotransplantation in man, 21:14727
KORNBLUM, Joan Irradiated hamster test in EAE, 23:2770
KORNEEV, M. I. Heat transfer study of boiling mercury and magnesium amalgams under natural circulation conditions, 22:14668 (BNL-tr-176)
KORNEEV, N. A. Migration of ^{90}Sr in biological chain and possibilities of its reduction in the latter, 25:24026
Strontium-90 and ^{45}Ca exchange in swine, 25:23976 (AEC-tr-7195, pp 241-6)
Strontium-90 elimination from cows, 25:23980 (AEC-tr-7195, pp 262-6)
Transfer of ^{90}Sr through placentary barrier in cows, 23:24509
KORNEEV, N. E. Plasma cluster created by focusing laser radiation, 24:17890
KORNEEV, N. I. Extrusion of refractory metals in vacuum, 22:10934
Pressure treatment of refractory metals and alloys, 22:12997
Rolling W-alloy sheet and foil, 23:10184
KORNEEV, V. A. Spectrographic analysis of binary alloys. I, 24:26983
Spectrographic analysis of binary alloys. II, 25:20923
KORNEEV, V. T. Some aspects of modernizations of IRT type reactors, 22:30304 (IAE-1401)
KORNEEVA, G. K. Silicoorganic compounds for optical contacts, 24:27359
KORNEGAY, Wade M. Resonant cavity measurements of ionized wakes, 21:15123
KORNEICHEV, A. I. Optimization of basic parameters of thermal desalting plants, 24:22471
KORNEICHUK, A. A. Quadrupole one-phonon states of even—even nuclei in region 150 less than or equal to A less than or equal to 174, 23:4049 (JINR-E4-4075)
Quadrupole one-phonon states of even—even nuclei in region 150 less than or equal to A less than or equal to 174, 23:37212
KORNELSEN, E. V. Developments in the measurement of low pressures, 21:1555
Entrapment of He ions at (100) and (110) W surfaces, 25:14419
Physical basis of ultrahigh vacuum, 23:6282
Thermal release of inert gases from tungsten, 22:26483
Thermal release of inert gases from (100) tungsten surface, 22:48189
Thermal release of inert gases from (110) and (211) W surfaces, 23:42431
KORNELSEN, R. O. Improved portable table for lymphography, 23:10005
KORNER, Octavian Spin-transfer in molecular complexes of biomolecules with radiosensitizers, 21:41370
KORNEV, I. I. Alteration of nucleic acids in blood in radiation treatment, 25:21917
Morphological changes in tumor after bremsstrahlung irradiation, 24:6130
Morphological changes of cancer in betatron irradiation, 22:51789
Parameters of betatron B-30 bremsstrahlung, 25:55209
Radiation affections of the liver, 23:50904
KORNEVICH, Veslava Construction, technical characteristics, and use of a whole-body counter, 21:3310
KORNFELD, David Superconducting ultrahigh-Q tunable rf preselector, 22:34537
KORNFELD, Gertrude Line shape of the Moessbauer line in the presence of ultrasonic vibrations with decaying amplitudes, 23:14912
KORNFELD, L. Effects of continuous low-level gamma irradiation on circulating and peritoneal mononuclear leucocytes of mice, 21:8917 (USNRDL-TR-1085)
KORNFELD, Lottie Antibody formation by transferred peritoneal cells and spleen cells of mice. I, 23:6338 (AD-669786)
Antibody formation by transferred peritoneal cells and spleen cells of mice. II. Transfer of peritoneal cells from immunized irradiated donors to syngeneic recipients with and without antigen, 25:32545
Effects of gamma irradiation circulating and peritoneal mononuclear leukocytes of mice, 22:576
Effects of total-body x-irradiation on peritoneal cells of mice, 21:6632
KORNFELD, Richard Enolic $C_3H_6O^+$ ion formed from aliphatic ketones, 25:51458
KORNHAUSER, Edward T. Modal solution of a point source in a strongly focusing medium, 21:683 (AD-635212)
KORNHERR, M. Collisionless plasma heating by strong shock waves, 23:32344
Energy dissipation in collisionless shock waves, 23:32391
Experimental study of collective dissipation in shock waves for a wide range of plasma parameters, 25:38423 (CONF-710607-122)
KORNHERR, Manfred Stationary collisionless shock waves in plasma, 24:17915
Stationary collisionless shock waves in an initial plasma with high ion temperature, 24:19879 (IPP-1/97)
KORNIENKO, E. N. Quadrupole moment of ^{153}Gd 86.5 keV excited state, 23:40087
KORNIENKO, E. V. Problems of beam optics in multisection 2-GeV electron Linac, 25:17615 (SLAC-Trans-128)

- KORNIENKO, L. A. Beryllium base cermets. II, 22:52277
  - Impact strength and fracture structure of beryllium, 25:13684
  - Polygonization and crystal structure of beryllium, 24:48854
  - Recrystallization of rolled Be, 25:699
- KORNIENKO, L. S. Determination of the upper limit of the abundance of quarks with the aid of the resonance diamagnetic electrometer, 25:17352
  - Displacement of F^- ions in CaF_2 crystals by γ irradiation, 22:13541
  - Search for quarks in ferromagnetics using an electrometer with the beams suspension method, 25:12064
- KORNIENKO, T. P. Mechanism of radiation polymerization of vinyl monomers in the presence of mineral additions, 25:18442
- KORNILENKO, I. I. Input and output concentration ratio of radioactive gases flowing through dosimetric chamber DZ-70, 21:311
  - Rubidium-88 collecting efficiency of chambers for ^{88}Kr radiometry by ^{88}Rb, 23:47909
- KORNILOV, A. N. Heats of formation of TaC, 21:36915 (LA-tr-67-41)
  - Thermochemistry of the carbides of variable composition, 21:39686 (LA-tr-67-40)
- KORNILOV, E. A. Effect of external hf modulation of the electron beam on energy and temperature of accelerated plasma electrons at beam instability, 23:34417
  - Excitation of ion—acoustic waves by Langmuir waves and stationary regimes in a beam—plasma system, 25:1247
  - Excitation of low-frequency oscillations and control of two-stream instability spectra, 24:12809
  - Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
  - Investigation of particle energy and conditions of excitation of low frequency oscillations in a plasma formed by the growth of instabilities in a beam-plasma system, 21:16939
  - Measurement of the time behavior of temperature in a plasma—beam discharge, 23:32403
  - Mechanism of excitation and control of relaxation oscillations in a plasma—beam system, 25:40593
  - Use light emission of plasma to investigate oscillations, 24:35395
- KORNILOV, F. M. Gamma-spectrometric method in geological mapping and ore prospecting, 22:51117
- KORNILOV, I. I. Crystal structure of Ti_3ZrO suboxide, 23:6745
  - Distribution coefficients of titanium and iron in zirconium, 25:55502
  - Effects of Al and Zr on properties of Ti_3Sn, 25:19238
  - Electrical resistance and thermal expansion of alloys of the Ti—Nb—Cr system, 21:11251
  - Equilibrium diagrams of metallide systems, 23:30066
  - Formation of compounds Zr_6O and Zr_3O in the Zr—O system, 21:11318
  - Formation of suboxide Nb_6O in Nb—O system, 24:48902
  - Fusibility diagram of Ti—Zr—Cr system, 21:36868
  - Influence of oxygen on zirconium properties at high temperatures, 23:27010
  - Interaction between refractory metals of transition groups and oxygen, 23:43990
  - Interaction between $TiCr_2$ compound and Mo, 21:34924
  - Investigation into ordered structures of Zr_6O and Zr_3O suboxides, 22:43609
  - Investigation of equilibrium and properties of alloy Ti—Zr—Al, 22:52203
  - Investigation of ternary system Ti—Zr—Cr, 24:10103
  - Investigations in the region of suboxides of metals of the transition group, 22:17181
  - Isothermal section of system Tr—Zr—Cr, 24:2956
  - Metal suboxides, 25:42991
  - New studies of Ti alloys, 21:9197
  - Niobium—nickel system, 21:11246
  - Oxidation of niobium containing oxygen, 25:58172
  - Phase diagrams and reaction of Ti and Zr with O, 23:30182
  - Phase diagrams of Group VIA metals, 23:29953
  - Phase diagrams of the Group IVA metals, 23:30063
  - Phase equilibria and properties of alloys in TiAl—V_3Al, section of Ti—Al—V system, 25:55537
  - Phase equilibria and superconductivity in the V_3Al—V_3Sn system, 25:30416
  - Phase equilibria in the Ti—Al—Mo—Zr alloy, 23:10231
  - Phase equilibrium in binary zirconium—oxygen system and new Zr_6O and Zr_3O suboxides, 22:17184
  - Physico-chemical theory of heat resistance of high-melting-point metals and alloys, 21:22877
  - Properties of Ti—V and Ti—V—Al alloys with O, 25:55471
  - Reaction of titanium suboxide and zirconia, 22:19650
  - Study of phase equilibria and properties of the alloys in the titanium—aluminum—iron and titanium—aluminum—vanadium systems, 25:55501
  - Superconducitivity in Nb_3Al—Mo_3Al system, 22:19915
  - X-ray- and neutron-diffraction study of ordering in some alloys of the titanium—zirconium—oxygen system, 25:27297
- KORNILOV, K. G. Separation of Sm^3+, Eu^3+, and Yb^3+ from elements of the cerium subgroup, 23:13849
- KORNILOV, N. I. Interaction of beryllium with metals in fused salts, 24:51136
- KORNILOV, V. A. Experiments on shock plasma heating in a rapidly rising magnetic field, 25:1168
  - Experiments with strong shockwaves on Voda I, 24:6510 (NP-tr-1861)
  - Investigation of the mechanism of (p,n) reactions on ^{19}F, ^{53}Cr, ^{59}Co, ^{61}Ni, ^{62}Ni, ^{63}Cu at the proton energy 6.8 MeV, 22:1632
  - Ohmic heating of dense hydrogen plasma, 22:22124
- KORNILOVA, V. I. Complexonometric analysis of complex carbide alloys of transition metals of IV—VI groups, 23:7481
- KORNILOVA, V. P. Contact reaction of molybdenum with zirconium beryllide, 22:36443
- KORNITSKAYA, E. A. Electron density distribution on MUF hop distances, and angles of arrival, 24:6451
- KORNITZER, M. Double isotope technique for blood volume measurement, 21:8728
  - Measurement of cerebral flow by ^{85}Kr, 22:25950
- KORNMANN, Michel Measurement of parameters of Ce plasma, 25:58986
- KORNYEI, I. High-temperature measurement, 22:3021
- KORNYEV, K. A. Kinetics and mechanism of radiochemical and photochemical grafting of acrylonitrile to polyamide fibers, 22:14543
- KOROBEINIKOV, L. S. Non-linear resonances of betatron oscillations in storage rings, 21:33830
  - Production of monochromatic γ rays in an electron storage ring, 21:13770 (SLAC-Trans-55)
  - Production of monochromatic γ-quanta by means of storage ring, 21:40327
- KOROBEINIKOV, V. L. Uranium sorption and separation from nitric acid solutions, 21:4610
- KOROBEINIKOV, V. P. Decay of weak magnetohydrodynamic shock waves, 22:9351
  - Distribution of solar-wind disturbances caused by chromospheric flares, 25:9356
  - Gas dynamics of explosions, 25:43348
  - Gas flow due to solar flares, 23:39185
  - Invariant solutions of MHD equations, 22:9161
  - Motion of interplanetary gas during solar flares, 23:41857
  - Planar explosion in electrically conducting gas in sloping magnetic field, 21:23205
- KOROBENKOVA, M. M. Function of mitochondria of liver of irradiated rats, 22:19378
- KOROBEYNIKOV, L. S. Beam control system of the electron storage ring VEP-1, 21:29742
- KOROBITSYN, N. M. Effects of vegetable cover on migration of ^{144}Ce in soil, 24:7776
- KOROBKA, L. A. Differential photometric method for determining refractory materials, 24:38730
- KOROBKIN, V. V. Critical aperture in plasma diagnostics by the scattering method, 22:46127
  - Effect of aperture on plasma parameters, 25:9415
  - Illumination of the bubble chamber with the aid of an optical ruby generator (laser), 21:19908 (BNL-tr-53)
  - Influence of the aperture on plasma parameters during diagnostics by method of scattering, 25:1181
  - Interferometer for measuring refractive index of a time-varying plasma, 25:49877
  - Limits in detection of radiation scattered by a plasma, 25:36101
  - Measurement of electron density of a plasma by means of laser, 23:12779
  - Spectrum of laser emission scattering by plasma at atmospheric pressure, 23:12777
- KOROBKIN, Vl. V. Determination of parameters of dense plasma, 24:6525
- KOROBKINA, A. G. Action of Σ-aminocaproic acid in combined radiation damage, 25:39887
  - Direct blood transfusion in the treatment of acute radiation sickness, 21:12913
- KOROBKINA, L. I. Interaction of benzamideoxime with uranyl ions, 22:27715
- KOROBKO, I. I. Properties of hafnium iodide and Zr—Hf alloys, 21:43561
- KOROBKOV, I. I. Hardness of Zr—O alloys, 25:2700
  - Investigation of oxidation processes of alloys of Nb—Ta system at 550 to 1050°, 22:31329
  - Oxidation of Nb—Hf at 600 to 1000°C, 24:27730
  - Properties of iodide-type hafnium and alloys in the zirconium—hafnium system, 22:6993
  - Zirconium intermetallic compounds and their influence on oxidation rate of zirconium alloys, 24:32345
- KOROBKOV, V. I. Absolute measurements of α-radioactive isotopes by means of nuclear photoemulsions, 21:27912
  - Autoradiographic method for quantitative measurements of α-radioactive isotopes, 22:14445
  - Electrocapillary method of introducing radioactive isotopes into nuclear photoemulsion, 21:27913
  - Micro-distribution of radioactive elements in potassic alkalic rocks, 22:10394
  - Microautoradiographic method for determination of ^{232}Th and ^{228}Th isotopes in biological materials, 22:1970
  - Microautoradiographic method of determining radioactive elements, 21:8585
  - Microdistribution of radioactive elements in potassic alkaline rocks, 21:1469
  - Sensitivity of microautoradiographic determination of α-radioactive isotopes, 22:37692
  - Use of the methods of quantitative microautoradiography in geochemistry, 21:3194
- KOROBKOV, Yu. S. Decameter spectrum of discrete sources Cassiopeia A and Cygnus A, 22:29068
  - Frequency spectrum of distributed cosmic radio emission in range from 6.3 to 40 MHz, 23:25048
  - Measurement of the latitudinal pattern of scintillations of satellite signals, 22:48025
  - Study of the equatorial anomaly of the ionosphere in the East Asian zone of the Pacific Ocean, 22:15462
- KOROBKOVA, G. A. Rhenium coatings on refractory metals, 23:48377
- KOROBOCHKIN, Yu. M. Electron-beam zone refining of metals, 21:3476
- KOROBOCHKO, Yu. S. 0.7-MeV Fe-free betatron with zero magnetic field decay, 25:50588
  - Bremsstrahlung from 7- to 10-MeV electrons in thin Si crystals, 25:59149
  - Bremsstrahlung of relativistic electrons in crystals, 25:45530
  - Channeling of electrons in thin single crystals of copper, 23:14880
  - Collimating of the inner electron beam in betatron, 24:1704
  - Electron focusing in thin single-crystal copper films, 21:2059
  - Electron scattering and ionization of the inner shells of atoms in crystals, 25:40775
  - Feasibility of spectrometry of coherent bremsstrahlung with the aid of reflection from a single crystal, 22:9452
  - Investigation of the nonstationary current in a betatron without an iron core, 23:10882
  - Monochromatization of electron bremsstrahlung spectra, 21:5076
  - Resonance buildup of radial oscillations of electrons in a betatron, 22:29817
- KOROBOV, V. I. Effect of high tension roentgenography of lungs, 24:27627
- KOROBOVA, I. L. Development of the theory of low-voltage arcs in thermionic converters with dense plasma, 24:39910
  - Effect of patchiness and increases in cathode emitting area on thermionic converter characteristics, 25:35931
  - Low-voltage arc in a thermionic converter with a highly ionized plasma, 25:49775
  - Low-voltage arc in thermionic converters, 23:12612
- KOROBOVA, Z. B. Photospheric structure above a sunspot, 21:5043
  - State of the photosphere before the appearance of sunspots, 23:36379
- KOROCHKINA, A. A. Dependence of the E/sub s/ layer on solar activity, 21:25005
- KORODENKO, G. D. Effect of gamma-radiation on process of oxidation of polyethylene as determined by infrared spectroscopy, 23:28868 (AD-683534)
  - Gamma ray-induced disorientation of polymer molecules, 25:58417
  - IR-spectroscopy studies of γ-radiation effects on the crystallinity of poly(vinyl alcohol), 25:2220
  - Stability changes in polystyrene irradiated with gamma radiation, 25:47194
  - Thermo-oxidation degradation of poly(vinyl alcohol) irradiated by γ rays, 25:10591
- KOROES, E. Iodine-catalyzed iodine exchange reactions, 25:41817
  - Kinetics of iodine exchange between monoiodoacetic acid and molecular iodine in benzene, 24:38808
- KOROGIANNAKIS, P. Reaction ratio of uranium mononitride with metal oxides, 22:48849 (KFK-771)
- KOROGODIN, V. I. Comparative radiobiological studies on tissue cultures, 22:38488
  - Differences in the sensitivity of different strains of E. coli to gamma- and alpha-irradiation, 24:12334
  - Growth patterns of uv-irradiated E. coli B in saline, 25:27119
  - Influence of fractionated irradiation of the survival of yeast cells, 24:39590
  - Influence of temperature on survival of irradiated E. coli B, 23:18137
  - Nature of the plateau of photoreactivation of yeast cells, 22:26000
  - Protection against and repair of radiation injuries, 21:10999
  - Protection against and repair of radiation injuries, 22:25930
  - Radiation induced damages to cells, 25:35260
  - Radiobiological responses of single-celled organisms, 25:44978
  - Radiosensitivity of nucleic acid growth and multiplication of yeast, 22:47640
  - Role of free radicals in radiation injury of yeast cells recovery, 22:25739
  - Some comparative aspects of the recovery of cells damaged by ionizing radiation, 22:15054
  - Survival of E. coli B irradiated with gamma rays and alpha particles, 23:35951
  - Survival of irradiated yeast, bacteria, and phages under postradiation conditions, 23:41512
  - Use of hit theory in radiobiology, 23:5008
  - Variability in survival of E. coli B, irradiated by γ-rays and α-particles, 23:50943
  - Viability of irradiated and nonirradiated E. coli on various culture media, 22:40971
  - Viability of irradiated E. coli B in different nutrient media, 21:34832
- KOROGODIN, V. J. Postirradiation recovery of yeast, 22:26005
- KOROGODIN, Vladimir Ivanovich Problems in postirradiation recovery, 22:40976
- KOROGODINA, Yu. V. Comparative radiobiological studies on tissue cultures, 22:38488
  - Effects of ionizing radiations on cells of various components of the developing rat cerebellar cortex, 24:12272
  - Postirradiation death of differentiating nerve cells. II, 21:36719
  - Radiation damage to rat cortex, 24:17138
  - Radiation induced damages to cells, 25:35260
  - Radiobiological responses of single-celled organisms, 25:44978
  - Regularities of post-irradiative death of differentiating nervous cells. I, 21:22762
- KOROKHOD, E. Effects of fast neutrons and electromagnetic waves on variations in mutations and properties of various agricultural plants, 21:8775
- KOROL, B. A. Change in the localization of histones in the thymus and liver of irradiated rats, 25:44936
  - Effects of γ radiation on histones from rat nuclei, 25:10971
  - Effects of histones on energy processes in liver mitochondria of irradiated animals, 25:29638
- KOROL, K. N. System of monochromatization of external beam of 2.4-meter isochronous cyclotron, 24:43076 (IAE-1898)
- KOROL, V. I. Determination of excitation cross sections of certain O_2^+ bands by intersecting beam method, 22:50009

KOROL, V. M. Effect of etching on surface and energy resolution of silicon surface-barrier detectors, 24:14265
  Lithium ion source for electrostatic generator, 21:9319
KOROL, Z. I. Effect of etching on surface and energy resolution of silicon surface-barrier detectors, 24:14265
KOROLENKO, Frances Jane Rex mutant in the house mouse, 25:8645
KOROLEV, A. A. Diffusion of cesium in mono- and polycrystalline molybdenum, 25:13676
KOROLEV, A. M. Born approximation in the theory of stripping reactions, 25:31400
  Collective effects at neutron inelastic scattering by even—even nuclei, 23:7358
  Collective levels of even—even spherical nuclei, 22:44799
  Effect of nonlocal currents on the values of magnetic dipole moments of nuclei, 21:34068
  Energy levels of odd nuclei, 23:42973
  Exchange interaction in inelastic neutron scattering by even—even nuclei, 22:44675
  Inelastic neutron scattering by even—even nuclei, 21:34053
  Interaction of a particle moving in a nonlocal potential with electromagnetic field, 21:44310
  Magnetic dipole and electric quadrupole moments of odd-mass nuclei, 25:28499
  Probabilities of electromagnetic transitions in odd—odd spherical nuclei, 22:39707
  Theory of exchange collisions, 24:18465
KOROLEV, A. V. Effects of nuclear radiation on the activity of a palladium catalyst for the hydrogenation of butynediol, 25:57448
KOROLEV, B. M. Effect of gamma irradiation on solid-state chlorination of polyethylene, 21:38964
  Radiation chlorination of polymers, 25:2250
  Solid state chlorination of polypropylene by ionizing irradiation, 21:3097
  Suspensions of radiation-sulfochlorinated polypropylene, 22:27784
KOROLEV, D. F. Radiation-catalytic activity of diamond and graphite, 24:38960
KOROLEV, F. A. Elliptical polarization of radiation from relativistic electrons in a magnetic field, 22:41317
  Experimental investigation of the radiation and movement of electrons in the synchrotrons, 21:25391
  Unsymmetric electron gun for producing helical beam, 24:20295
KOROLEV, G. A. Lifetimes of excited states from α decay of ^{223}Ra and ^{211}Bi, 24:52612
  Secondary emission of heavy charged particle uhf detector, 21:6238
KOROLEV, G. K. Accumulation of ^{144}Ce in rats, 25:23959 (AEC-tr-7195, pp 102-10)
  Biological effect of the intratracheal injection of ^{210}Po, 22:49502
  Distribution of ^{132}I and ^{132}Te—^{132}I, 25:23968 (AEC-tr-7195, pp 175-85)
  Distribution of ^{137}Cs, ^{90}Sr, and ^{144}Ce in rats, 25:23958 (AEC-tr-7195, pp 87-101)
  Features of distribution of ^{90}Sr and ^{144}Ce in organism of white rats when intratracheally administered, 23:22152 (AEC-tr-6944, pp 14-25)
  Radioiodine distribution in the organism in endotracheal administration and morphological changes in the thyroid gland in experiment, 23:14277
KOROLEV, L. E. Ion—optical system for analysis of beam isochronous cyclotron, 24:38049
KOROLEV, M. B. Morphogenetic function of nuclei in tissue differentiation in development of fish embryo, 21:1799
KOROLEV, N. P. Causes of radiation activation of polyphenol oxidase in plants, 24:39431
  Change in the polyphenol oxidase and peroxidase activities after gamma irradiation of plants with various radiosensitivities, 21:6719
  Polyphenol oxidase and peroxidase activity in chloroplasts after γ irradiation, 21:41334
KOROLEV, S. I. Corrosion of Y. II, 21:463
KOROLEV, V. A. Investigation of α radioactivity of Sm isotopes, 22:48566
  System for tracking a separated beam of secondary particles, 23:34689
KOROLEV, V. G. Effect of ^{32}P on Saccharomyces cerevisiae, 25:24453
  Induction of mitotic recombination in yeast, 25:21664
KOROLEV, V. I. Problem of radiation safety during gamma-graduation works, 22:45526
  Pulse delay time in ^{3}He neutron counters, 25:29338
  Study of sensitivity variation of neutron counters in variable gamma-fields, 25:51854 (FEI-212)
KOROLEV, V. M. Graphitization in the annealing of pure high-carbon alloys with additions of boron and aluminum, 24:4843
KOROLEV, V. N. Deep drawing of molybdenum and its alloys, 22:43559
  Deep drawing of molybdenum and its alloys, 24:991 (N-69-35547)
  Oscillographic recording of the shape of short pulses of radiation, 24:27361
  Pressing of molybdenum tubes, 22:34029
  Pressure working of thin-walled parts of molybdenum, 22:17086
  Reducing ends of molybdenum tubes, 22:19496
KOROLEVA, A. T. Effect of ionizing radiation on cements, 25:47191
KOROLEVA, G. I. Condition of iriginite formation, 22:33575
KOROLEVA, L. N. Phase equilibria in the system Y_2O_3—Nb_2O_5, 24:14939
  Phase equilibrium in systems with monooxides of Sm, Eu, and Si, 22:11081
  Probability theory as applied to phase equilibria, 23:39055
KOROLEVA, L. V. Influence of leukocytic factors of x-irradiated animals on leukocyte migration, 25:24341
  Qualitative leucocyte changes due to total x-ray irradiation, 25:26901
  Thermic inflammation in acute radiation sickness, 22:6897
KOROLEVA, M. Ya. Mechanism of Mo(IV) extraction from hydrochloric acid solutions by O-containing solvents, 23:15931
KOROLEVA, N. A. Kinetics of radiochemical oxidation of nitrogen and ozone formation in large reaction volumes, 25:39551
KOROLEVA, N. P. Growing single crystals of rhenium by zone melting with an electron beam, 23:8144
KOROLEVA, S. P. Brazing alloy for molybdenum, 23:36086
KOROLEVA, T. I. Thermochemistry of binary systems. II, 21:17638
KOROLEVA, T. M. Radiation doses in x-ray examinations of patients, 24:14489
KOROLEVA, T. V. Small-size wide-range ionization manometer, 24:27472
KOROLEVA, V. P. Cross sections for radiative capture of fast neutrons by ^{76}Ge, ^{133}Cs, and ^{192}Os, 23:8974 (BNL-tr-240)
  Fast neutron radiative capture by ^{89}Y, 21:11993
  Isomeric cross section ratios in ^{80}Se(n,γ)/sup 81m g/Se, 25:25688
  Isomeric ratios in fast neutron capture reaction on ^{80}Se isotope, 22:32560
  Radiative capture cross section of fast neutron with energy 0.2 to 0.3 MeV by nuclei ^{128}Te and ^{130}Te, 23:37246
  Radiative capture cross sections for fast neutrons in ^{55}Mn, ^{69}Ga, ^{71}Ga, and ^{98}Mo, 24:35856
  Radiative capture of fast neutrons by the nuclei ^{24}Mg, ^{55}Mn, ^{63}Cu, ^{87}Rb, ^{89}Y, and ^{193}Ir in the 0.15 to 7 MeV energy range, 21:4270
  Radiative capture of fast neutrons by ^{37}Cl, ^{87}Rb, and ^{193}Ir isotopes, 22:3648
  Radiative capture of fast neutrons by nuclei ^{122}Sn, ^{124}Sn, and ^{121}Sb, ^{123}Sb, 22:48535
KOROLEVICH, Yu. B. Miniature Cherenkov shower spectrometer, 25:21437
KOROLEVSKII, A. P. Characteristics of effect of different types of radiation on the higher nervous activity of small animals, 22:12754 (NASA-TT-F-413, pp 146-57)
  Characteristics of effect of different types of radiation on the higher nervous activity of small animals, 22:12753 (NASA-TT-F-413, pp 130-45)
  Characteristics of effect of different types of radiation on the higher nervous activity of small animals, 22:12755 (NASA-TT-F-413, pp 158-74)
  Effects of space flight on the central nervous system, 25:11298
  Peculiarities of the effects of various types of radiation on the higher nervous activity of animals, 21:6436
KOROL'KOV, A. M. Effects of rare earths on structure and strength of Cu and Cu—Zr alloys, 25:16455
  Highly conductive, low-alloy heat-resistant Cu, 21:26822
KOROL'KOV, I. Ya. Automatic precise field measurements in magnets of IHEP accelerator, 24:37983 (CERN-Trans-70-4)
  Topography of magnetic field at 70-GeV accelerator, 25:9906 (IFVE-SKU-69-95)
  Topography of magnetic field in open and closed units of electromagnet of the 70 GeV accelerator, 22:44536 (IFVE-SKU-67-44-K)
KOROLKOV, V. S. Crystalline field screening effects for 4f/sup x/ shells of rare earth ions and nuclear moments. II, 23:7042
KOROLKOVA, O. S. Hodoscope systems in crossed fields, 24:33867 (IFVE-SEF-69-22)
KOROLYUK, I. P. Roentgenokymography in reduced radiation load, 22:45573
KOROP, E. D. Acceleration of ions in electron beams, 22:7159
  Acceleration of ions of cathode material in vacuum breakdown, 25:43383
  Ion acceleration in the electron beam, 24:6774
KOROS, Endre Solvent effects in isotope exchange reactions. VII, 22:76
  Solvent effects in isotope exchange reactions. VIII, 22:75
KOROSA, V. I. Transverse motion of the particles in linear electron accelerator caused by the action of nonsymmetric wave, 21:29796
KOROSIN, J. Determination of alkaline earths by ion-exchange, 23:26180
KOROSTELEVA, R. I. Effect of radiation on the selectivity of yttrium oxide in the decomposition of isopropyl alcohol, 22:2106
KOROSTELEVA, R. I. Changes in the selectivity of neodymium oxide upon neutron irradiation in the decomposition reaction of isopropyl alcohol, 22:40116
KOROSTOVA, I. N. Anomalies in elastic scattering of 13.6-MeV deuterons on nuclei with N, 50, 22:48501
  Elastic and inelastic 13.6 MeV deuteron scattering on Ti isotopes, 24:8867
  Elastic scattering of deuterons possessing 13.6 MeV energy by light nuclei, 25:25650
  Investigation of anomalies in the elastic scattering of 13.6-MeV deuterons on atomic nuclei with N = 50, 23:5843
KOROSTYLEV, V. A. Study of spontaneous fission of ^{252}Cf, 25:31314 (ORNL-tr-2453)
KOROSTYLEVA, L. A. Identification of atomic spectra of lines emitted by plasma of coaxial accelerator, 24:21763
KOROSTYLYOVA, L. A. Coaxial plasma sources for identification of atomic spectra, 24:23752
KOROSTYSHEVSKII, I. Z. Isotopic distribution in organic molecules, 23:37883
  Mass spectrometer with ionization of molecules by strong electric fields and electron collisions, 22:36140
KOROTAEV, S. K. Boiling of liquids on fine wire under natural convection conditions, 24:44195
  Boiling of liquids on fine wire under natural convection conditions, 25:18583
  Conductometric impurity indicator in liquid-metal coolants, 22:34049
  Dynamics of bubble boiling of water on fine wires, 24:14161
KOROTAEVA, M. N. Determination of hydrogen in sodium coolant, 24:36026
KOROTCHENKO, K. A. Change of properties of potato starch irradiated with ^{60}Co γ rays, 21:371
  Effect of high doses of ^{60}Co gamma rays on potato starch, 22:21447
  Free radical concentration in irradiated starch, 23:305
  Infrared spectra of insoluble products from starch irradiated with gamma radiation, 24:31412
  Iodine complexes of irradiated potato starch, 22:49238
  Properties of potato starch irradiated in gas media, 22:28320
KOROTEEV, A. S. Experimental investigation of thermal fluxes to plasmatron electrodes with gas vortex stabilization, 22:9390
  Low-temperature plasma generators, 23:48916
KOROTEEV, V. I. Thermal shock waves in plasma, 25:33251
KOROTENKO, M. N. Integral thermal flux calorimeter, 24:5939
KOROTIN, B. A. Gas discharge neutron counter, 25:51871
  Neutron scintillation detector, 25:55012
  Simplified procedure for calculating the counting rate of detectors and determination of optimal dimensions of measuring volumes in the radiometry of beta-active gases, 22:45285
KOROTIN, Boris Andreevich Remote checking of radiation monitors, 25:23784
KOROTKEVICH, N. S. Effects of laser on internal organs, 23:48228
KOROTKICH, V. L. anti rho-Meson production in high energy pion-collisions with nuclei, 25:3406 (IFVE-STF-69-71)
KOROTKIH, V. L. Excitation of the giant dipole resonance in μ capture, 21:25450
  Photodisintegration of ^{16}O nucleus, 22:1610
  Resonance mechanism of muon capture by complex nuclei, 24:52685
KOROTKIKH, E. M. Neutron capture cross-section measurement by radioactive nuclei /sup 58m/Co, ^{64}Cu, and ^{46}Sc, 22:44674
KOROTKIKH, V. L. Microscopically substantiated local optical potential for α—α-scattering, 25:53521
  Quasi-stationary single-particle states in ^{208}Pb, 21:2719
  Resonance mechanism of muon capture by complex nuclei, 23:52169 (JINR-E4-4601)
  rho-meson production in collisions of high energy pions with nuclei, 25:7688
KOROTKIN, E. M. Measurement of cross sections for neutron capture by radioactive /sup 58m/Co, ^{64}Cu, and ^{46}Sc nuclei, 23:3963 (BNL-tr-224)
KOROTKIN, Yu. S. Chemical separation of kurchatovium, 25:51581 (JINR-D12-5845)
  Electromigration separation of transuranium elements in solutions of ethilendiamintetracetic and cyclohex andiamintetracetic acids, 25:57520 (JINR-E6-5952)
  Experiments on chemical identification of spontaneously fissionable isotope of element 105, 24:29241 (JINR-P12-5120)
  Nuclear properties of isotopes ^{256}103 and ^{257}103, 22:5833
  Properties of isotope 102^{255}, 21:25507 (JINR-E7-3261)
  Separation of the actinide elements and their valence forms by partition paper chromatography and thin-layer chromatography, 25:57553
  Study of alpha-decay of 103^{256} and 103^{257}, 21:25506 (JINR-E7-3257)
KOROTKOV, A. I. Excitation function of the 6^3P_2 metastable level of Hg, 24:51434
KOROTKOV, B. A. Unsteady subsonic flow of conducting gas in crossed electric and magnetic fields, 22:38862
KOROTKOV, K. A. Internal bremsstrahlung accompanying beta decay of ^{32}P, 21:2678
  Internal bremsstrahlung accompanying beta decay of ^{32}P, 21:2679
  Internal bremsstrahlung following β decay of ^{114}In, 25:31318
KOROTKOV, M. M. Investigation of the elastic pd-scattering at large angles in the energy region 0.75 to 2 GeV, 21:44264
KOROTKOV, R. I. Effect of moderator density on reactivity of SM-2 reactor, 22:35639
KOROTKOV, V. A. Effects of mass transfer processes and resistance forces on the electrodynamic plasma acceleration, 23:25349
KOROTKOVA, A. P. Mutations in winter wheat induced by gamma radiation, 25:52034
KOROTKOVA, G. P. Somatic embryogenesis in some porifera and coelenterata. III, 24:32281
KOROTKOVA, R. F. Structure of WC—Co alloys at plastic deformation, 23:36258
KOROTKOVA, V. A. Recognizing and appraising chromite ores in well sections by means of a combination of nuclear geophysical methods, 25:21187
KOROTKOVA, V. M. Slow amplitude and phase variations of 10 cm radio waves on traces near earth, 23:22983
KOROTKOVA, V. P. Fractionated irradiation influence on changes in cholesterol content in blood serum of guinea-pigs and dogs, 21:4764
KOROTOVSKIKH, P. M. Dependence of scattering transport length on neutron energy in H_2O, D_2O, and graphite, 25:5502
  Special characteristics of thermal neutrons from open-tangential beam hole of IVV-2 reactor, 24:43822
KOROTSEEV, V. I. Collisionless relaxation of an ultrarelativistic electron beam in a plasma, 25:38414 (CONF-710607-68)
KOROTUN, L. I. Interaction of two radial electron streams, 22:2805
KOROVIN, L. N. Differential resistance of superconductors of the second kind, 23:27544
KOROVIN, S. S. Composition of solvates of scandium chloride with TBP, 24:16641

- Composition of zirconium solvate with tributyl phosphate, 22:12419
- Extraction for separation and isolation of rare metals, 25:18510
- Extraction of HNO$_3$ and Zr by TBP in presence of LiCl, 24:39020
- Mechanism of the extraction of tantalum and niobium from hydrofluoric acid solutions using tributyl phosphate, 23:31410
- Reaction of niobium and tantalum chlorides with tributyl phosphate in the presence of water, 23:31411
- Use of extraction during separation and parting of rare metals, 25:23701
- KOROVIN, V. M. Boundary layer on electrodes in completely ionized plasma with components at different temperatures, 25:40653
- KOROVIN, Yu. A. Motion and radiation of an electron in homogeneous magnetic and weak electrostatic fields, 21:22993
  - Possible focusing of particles in cyclic accelerators by means of crossed magnetic and electric fields, 21:17244
  - Radiative effects on the motion of electrons in homogeneous magnetic fields and weak electrostatic fields, 22:15893
  - Stimulated transitions in the radiation from a relativistic electron in an inhomogeneous magnetic field, 21:9892
- KOROVKIN, V. K. Isotopic effect upon the photosynthesis of ozone, 24:186
- KOROVYAKOVSKII, Yu. P. Changes of ionization in the atmosphere of the cepheid RU cam, 23:27239
  - Gas motion in close binary systems, 25:9011
- KOROZA, V. I. Beam current loading of a traveling-wave linear electron accelerator, 23:10878
  - Formula for increase in energy of particles in uniform structure with traveling waves, 22:5693
- KORPAK, W. Precipitation of cerium from rare-earth nitrate solutions by hydrolysis in the presence of hydrogen peroxide, 25:15730 (UCRL-Trans-10512)
  - Recovery and purification of uranium and other metals by ion exchange and solvent extraction, 22:4258
- KORPAR-COLIG, B. Uranium(IV) acetate and its double acetates with Mg, Fe, and Zn, 22:45076
- KORPAS, T. H. Burn-up experiments with the HBWR second fuel charge, 23:17165 (HPR-86)
- KORPUSOV, G. V. Chemistry of long-lived fission elements, 24:38815
  - Determination of the distribution constants of trivalent cerium in extraction by neutral alkyl phosphonates, 25:18516
  - Distribution of Gd, Tb, Dy, Ho, and Y in a tributyl phosphate—nitric acid system, 21:42945
- KORSAKOV, G. F. Expressivity of forked mutation of Drosophila melanogaster under action of x rays at various stages of ontogenesis, 23:24589
- KORSAKOV, V. A. Admissible radiation doses for long space flights, 25:24338 (JPRS-52402, pp 9-16)
  - Experimental verification of permissible radiation doses upon extended space missions (chronic experiments on dogs), 23:29755
- KORSAKOV, Yu. D. Monitoring environment in radiation accidents, 24:7860
- KORSAKOVA, M. D. Phase diagram of the cadmium-antimony system, 24:48851
  - Preparation of uranium chalcogenide single crystals by means of chemical transport reactions, 21:11286
- KORSAKOVA, N. V. New reagent for the photometric determination of zirconium and hafnium, 25:2084
- KORSBECH, U. Effect of diffusion on current-sheet speed in a magnetically driven shock tube, 25:17155
- KORSBECH, V. Side-pinch effect of a magnetically driven shock tube with parallel-plate electrodes, 22:48102 (RISO-176)
- KORSCH, D. Energy analysis of medium high frequency electric field pulsed electron beams, 21:41772
- KORSETZ, B. Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. II, 24:46592 (SZS-10/70)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. III, 24:48469 (SZS-11/70)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. III, 24:50802 (SZS-12/70)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. I, 24:50947 (SZS-9/70)
  - Volatility of carrier-free ^{137}Cs chloride at elevated temperature, 23:28813
- KORSGAARD, O. Capillary permeability in human skeletal muscle measured by local injection of ^{51}Cr-EDTA and ^{133}Xe, 24:41730
- KORSGREN, M. Radioiodine in treatment of congenital heart disease with severe pulmonary hypertension, 22:40813
- KORSHAK, V. V. Chemistry and technology of synthetic high molecular-weight compounds, 22:18857
  - Production of graft-polymerized materials by radiation-polymerization from gas phase, 25:21029
  - Radiation graft copolymerization of acrylic acid and styrene, 24:29320
  - Radioinduced polymerization of the three-dimensional cyclic dicyclohexylphosphinoboranes, 21:40903
- KORSHAKEVICH, I. I. Radial and axial phase distribution of the potential in an ac arc, 21:20002
- KORSHAKOV, A. I. Intensification of heat transfer in channels, 21:43136
- KORSHAKOV, N. G. Kinetic description of plasma configurations, 25:43378
- KORSHIKOV, A. V. Units "ber" and "equivalent rad", 22:47537
- KORSHUNOV, A. V. Conference on use of molecular spectroscopy in chemistry, Krasnoyarsk, USSR, 12/64, 21:27930
  - Widths of peaks in one-phonon scattering of neutrons by molecular crystals, 23:10919
- KORSHUNOV, B. G. Electrochemical refining of commercial niobium in chloride salt melts, 22:52153
  - Interaction of molybdenum dioxychloride with chloride derivatives of certain group IV elements, 23:40672
  - Investigation of the interaction of thorium chloride with the chlorides of Mg, Ca, Ce, Al, Fe, Nb, Ta, and the oxychloride of Nb in melts, 21:36929 (IS-Trans-56)
  - Melting in binary systems formed by W hexachloride and oxytetrachloride with Nb, Ta, Sb(III), and Bi chlorides, 21:32180
  - Obtaining metallic Nb from Ni—Si alloys by electrolysis, 24:36883
  - Producing rare earth element concentrates from chloride melts, 22:33353
  - Reactions of melted holmium and erbium chlorides with potassium chlorides, 21:69
  - Systems TeCl$_4$—MCl/sub n/(M = Sb, Bi, Mo, W; n = 3,5,6), 23:7530
- KORSHUNOV, F. P. Influence of gamma irradiation on parameters and structure of silicon p—n junctions, 23:51766
  - Some regularities in measurement of characteristics of silicon diodes under the action of radiation, 25:55100
- KORSHUNOV, G. S. Laws governing the formation of a spark in the nanosecond time range in the case of static breakdown of a gap, 22:48113
- KORSHUNOV, I. A. Establishment of organic bonds with recoil atoms of radioactive phosphorus after nuclear reaction ^{35}Cl(n,α)^{32}P in chloromethane, 22:30595
  - Formation of ^{32}P-labeled alkyl phosphates during neutron irradiation of carbon tetrachloride with alcohol admixtures, 22:30596
- KORSHUNOV, V. D. Effect of neutrons on diodes, 23:26641
  - Effects of neutron bombardment on silicon diodes, 22:49173
  - Influence of neutron bombardment on direct current of silicon mesa-diodes, 23:47915
- KORSHUNOV, Yu. V. Study of rho-meson resonance using colliding electron—positron beams, 24:6679 (SLAC-Trans-105)
  - System for acquisitioning information from wire spark chambers, 24:14309
- KORSMEYER, J. D. Relative reaction rates in seed-blanket slab assemblies with H-to-Th ratios of 0.51, 1.55, and 5.1, 21:17533 (WAPD-TM-615)
  - Thermal disadvantage factors and fast advantage factors in U—Th, seed-blanket assemblies, 21:44877
- KORSOVA, Marta Balance of fuel demand for 10000 MWel program with DOR-type reactors, 23:13514
- KORSOWER, Jack M. Acute changes in pulmonary arterial perfusion following irradiation, 25:55327
- KORST, Donald R. Marrow cell differentiation, 22:28654
- KORST, W. L. Ternary metal—nonmetal—hydrogen systems, 22:43660 (NAA-SR-Memo-11849)
- KORST, William L. Rare earth—H systems. I, 21:57
  - Rare earth—H systems. II, 21:53
- KORSTANJE, Hugo P. Pressure recovery of a one-component two-phase flow in a two-dimensional diffuser, 23:43456 (ANL-7504)
  - Two-phase flow through variable area ducts, 23:2503
- KORSUKOVA, M. M. Interaction of niobium with a zinc melt, 25:55534
- KORSUN, A. G. Influence of rate of flow on currents in MGD channel, 24:39917
  - Linear approximation of a channel flow of conducting gas with large magnetic Reynolds number, 23:12635
- KORSUN, A. S. Calculation of stable heat transfer from rod bundles in longitudinal flow, 25:54883
  - Hydraulic drag and heat transfer in turbulent flow of liquids in triangular channels, 25:54884
- KORSUN, U. F. Function of the tissue-hematological barriers in miniature swine following the action of ionizing radiation, 25:46677
- KORSUN, V. I. Elimination of the effect of the sample composition on the line intensity of certain rare metal impurities, 25:57330
- KORSUNOVA, L. P. Additional ionization source in E region. II, 25:24959
  - Behavior of critical E-region frequencies at large solar zenith angles, 23:10557
  - Concerning an additional ionization source in the E region of the ionosphere. I, 25:16915
  - Diurnal patterns of sporadic E-layer, 23:51519
  - Effect of universal time in f$_0$E variations at large solar zenith angles, 25:55994
  - Electron density distribution in the E region, 25:22438
  - Quasi-equilibrium ion concentrations in the ionospheric E-region, 24:12744
  - Relation of electron concentration at heights of 100 and 110 km to geomagnetic field disturbance, 21:39924
  - Variation of electron concentration in the E region at large Z/sub sun mass/, 23:20798
  - Variations of recombination coefficient in E region as function of electron temperature, 25:16984
- KORSUNSKAYA, N. E. Effect of trapped luminescence levels during CdS single crystal excitation by x radiation, 21:40093
  - Variation of temperature dependence of mobility carriers generated by x radiation in CdS single crystals, 22:19675
- KORSUNSKII, A. M. Electron flux instability in crossed magnetic and non-homogeneous electric fields, 23:5431
  - Interrelation between phase diagram and composition—property diagrams of In—Sn system, 25:55546
  - Limiting-oscillation amplitudes of electron beam in crossed fields, 24:49295
  - Modulated relativistic electron beams, 25:59211
  - Nonlinear processes in one-dimensional and one-component plasma, 21:15158
- KORSUNSKII, I. L. Collective interaction of nuclei with resonance gamma-radiation, 23:19259
  - Diffraction of resonance γ rays on nuclei and electrons in tin single crystals, 22:38740
  - Diffraction of resonant γ radiation in Bragg scattering by nuclei and electrons in perfect single crystals of Sn, 23:23688
  - Diffraction of resonant radiation on electrons and nuclei in ^{119}Sn single crystals, 23:27721
  - Disappearance of inelastic channel of reaction in interaction of resonant γ radiation in a single crystal, 23:32943
  - Evidence of disappearance of inelastic channel of nuclear reaction in nuclear resonant scattering of γ-rays in perfect crystal, 25:30687 (IAE-1966)
  - Resonant Bragg scattering of gamma rays by nuclei, 25:9596
  - Suppression of inelastic channel of a nuclear reaction in interaction of resonant γ radiation with nuclei and electrons, 23:23738
  - Suppression of inelastic channel of nuclear reaction resonant scattering of gamma rays, 24:28448
  - Technique of the determination of the thickness of thin films deposited on the layer of some other material, 22:19197
- KORSUNSKII, L. M. Compensating currents in a nonuniform magnetic field, 25:45355
  - Electric field induced by flow of electrically conducting liquids in circular channel, 23:48787
- KORSUNSKII, M. I. Carbon desorption in TaC and characteristic electron energy loss, 25:45528
  - Characteristic electron energy loss spectra for osmium, 24:44987
  - Characteristic electron energy losses in Y, Zr, Nb, and Mo, 24:35155
  - Characteristic energy-loss spectra for electrons in Ru, Rh, and Pd, 25:964
  - Effect of finite source size on beam focussing in a cylindrical-field electrostatic spectrometer, 25:49065
  - Electronic structure of alloys of Nb—Zr system, 21:20532
  - Electrostatic spectrometer for beams of charged particles, 25:42215
  - Electrostatic spectrometer of charged particle beams with ring focussing in the field of a cylindrical condenser, 25:18849
  - Focusing a molecular beam by means of a heterogeneous magnetic field, 22:41294 (NRC-TT-1312)
  - Focusing properties of a toroidal electrostatical field, 23:52085
  - Ion-optical properties of an electrostatic charged-particle energy analyzer, 25:43761
  - Local coupling in alloy Nb$_3$Sn, 25:33434
  - Measurements of Hall constant in Nb—Zr systems, 23:46070
  - Temperature dependences of Debye—Waller factors of Zr, Nb, and Mo, 25:59179
- KORSUNSKII, V. M. Changes in the lung as a result of roentgenotherapy of cancer of the mammary gland, 22:33936
- KORSUNSKII, V. N. Clinical assessment of radiopneumonography with ^{133}Xe in confrontation with angiopulmonography and electrokymography, 23:29631
  - Xenon-133 for regional blood flow and ventilation studies in lungs, 21:10955
- KORT, Walter Preparation of ^{99}Tc-labeled human serum albumin in colloidal form for use in liver scintigraphy, 23:38676
  - Technetium-99m human serum albumin in colloidal form for scintigraphy of the liver, 24:12134 (LIB/Trans-232)
- KORT, William B. Quantitation of absorbed dose produced at high and low potentials, 23:26799
- KORTAN, Gary A. IGS: a computer-based storage and retrieval system for bibliographic information, 25:54391 (UCRL-51040)
- KORTE, F. Investigations on the fate of certain pesticides under biotic and abiotic conditions using tracer techniques, 25:51958 (A/CONF.49/P-404)
- KORTELING, R. G. Delayed states in ^{94}Nb, ^{108}Ag, and ^{110}Ag, 25:36769
  - Lifetimes associated with low-energy gamma transitions in ^{128}I and ^{134}Cs, 24:8905
- KORTELING, Ralph Production of ^{32}P and ^{33}P with 550-MeV protons, 24:52510
- KORTELING, Ralph G. Energy dependence of ^{22}Na and ^{24}Na production cross sections with 100- to 400-MeV protons, 24:35841
  - Systematics of ^{24}Na and ^{22}Na production with 400-MeV protons, 22:9816
- KORTELING, Ralph R. Production of ^{18}F, ^{22}Na, and ^{24}Na from separated isotopes of the light elements with 300- and 400-MeV protons, 24:24529
- KORTEN, M. Stark-effect calculations in second Lyman series of He$^+$, 25:978
- KORTENSKI, T. Influence of gamma rays on some parameters of transistors and diodes, 23:17858
- KORTEVA, Z. P. Determination of the number of electrons in the reduction of U(VI) on a dropping mercury cathode in phosphoric acid solutions of various concentrations, 25:23562
- KORTEWEG, D. J. Equations of the movement of fluids, considering capillarity and density, 22:12208 (SC-T-67-0956)
- KORTH, G. E. Effect of fast neutron irradiation on the mechanical properties of hafnium, 25:4813 (IN-1440)
  - Interim report of post-irradiation results of ATR Beryllium Surveillance Program, 24:36939 (IN-1397)
  - Prog. rpt. on ATR materials surveillance program, 11/69, 24:10115 (IN-1343)
  - Surveillance of test reactor beryllium and hafnium, 25:11460 (IN-1437, pp 5-12)
- KORTH, W. Evaluation of multipoles for photo- and electroproduction of pions. I, 21:31557
  - Photoproduction of positively charged pions at high energies, 22:17899
- KORTHALS, E. Pathological changes in the teeth and tooth appendages of the rat in radiation sickness, 22:23625
- KORTHALS ALTES, C. P. Calculation of form factors in K/sub l/$_3$ decay, 21:21195
  - $O_{3,1}$ symmetry and production of Δ^{++}(1238) at high energy, 22:41813

  - Radioecological studies carried out at Laboratorio di Radioprotezione, CAMEN, Italy, 24:34213
  - Superconvergence in nucleon—rho meson scattering, 21:31598
  - Superconvergence relations in π-A_1 scattering, 21:44357
  - Theorem on K/sub 13/ form factors, 24:47420
- KORTHAUS, E. Decay of the 395 μsec isomer of ^{158}Tb and the 2.53 msec isomer of ^{204}Bi, 21:25542
  - Determination of reactivity rates in fast zero-power reactor SNEAK, 25:48320
  - Measurement of energy and place dependence of neutron importance function in fast critical zero-energy facilities, 25:23333 (EURFNR-800)
  - Measurement of the energy and spatial dependence of neutron influence functions in the fast critical zero-energy arrangement, 24:52961 (KFK-1141)
- KORTHEUER, J. D. CVTR summary report, 24:30980 (CVNA-281)
  - Design, fabrication, and operation of CVTR high power, high-burnup test assemblies, 21:44824 (CVNA-274)
- KORTHOVEN, P. J. M. Mathematics and computer science division, 21:42846 (IS-1600, Paper 4)
  - RESOLF: computer program for analysis of gamma-ray spectra, 22:25237 (IS-1811)
  - SMASH: new approach to decay-resolution problems, 21:13896 (IS-1501)
  - X-ray detector in activation analysis, 24:41655 (IRI-133-70-1)
- KORTHOVEN, Peter J. M. Determination of gadolinium and europium in their tungsten bronzes by high energy photon activation and computer resolution of gamma-ray spectra, 22:35
- KORTIER, W. E. Random intact reentry and earth burial study for radioisotope thermoelectric generators, 21:41160
- KORTKHONDZHIYA, V. P. Excitation of standing ion—acoustic waves in weakly ionized plasma, 23:10662
  - Supression and parametric amplification of ion sound in a plasma, 23:34414
- KORTON, G. Refractory metal brazing product and process, 21:26783
- KORTOV, V. S. Parameters of energy spectra of exoelectrons from metal surfaces, 24:35160
- KORTS, R. F. Special report on gunshot residues measured by neutron activation analysis, 25:20946 (GA-9829)
- KORTS, Richard F. Calculational model for condensed state diffusion controlled fission product absorption during fallout formation, 21:28098 (GA-7598)
- KORTUKOV, E. V. Activity of tritium in biological preparation, 22:51617
  - Resolving capability of photosensitive layers in autoradiography with tritium, 24:33901
- KORTUS, I. Central storage area for radioactive wastes in Czechoslovakian SSR, 22:2334 (JPRS-42565, pp 97-109)
- KORTUS, J. Cesium-137 uptake from food, 22:40682
- KORTUS, Josef Production of U carbide fuel for the DOR reactor, 22:13049
  - Treatment of uranium mill effluents, 21:25940
- KORTVELYESSY, L. Tungsten—rhenium [alloy] thermocouple applicable up to 2600°C, 22:40295
- KORTZEBORN, R. N. Tabulation of Debye energy, heat capacity free energy and entropy for crystalline solid, 21:7335 (UCRL-17225)
- KORTZEBORN, Robert N. Scavenging of aerosols by rain, 25:26388 (CONF-700601-, pp 433-46)
- KORUNCHIKOV, A. I. Investigation of the factors affecting the character of the spectrum of laser-produced plasmas, 22:20007
- KORUS, A. Analysis of sulphur compounds by means of gas chromatography and radioionizing detectors, 25:37309 (INP-738)
  - Analysis of sulphur compounds of industrial combustion gases by means of an electron-capture type detector, 25:32297
  - Measurement of the air-exchange rate in cooling chambers by means of beta ionizing detectors, 25:49025 (INP-743)
- KORVER, Gailerd Lee Secondary deuterium isotope effects in allylic rearrangements, 24:11530
- KORVER, J. A. FLIP: fluid injection program, 23:4759 (UCRL-50506)
  - Gasbuggy postshot hydrologic investigations in GB-3, 24:29414 (UCRL-50812)
  - GASBUGGY: postshot investigations in GB-ER, 22:45210 (UCRL-50425)
  - Postshot geologic investigations, Project Gasbuggy, 23:496 (UCRL-71354)
- KORVER, John Flowmeter tests in GB-2RS, 23:2442 (PNE-G-22)
- KORVER, John A. Acceptability of Gasbuggy site, 21:24128 (UCID-15132)
  - Acceptability of Gasbuggy site, 21:45235 (UCID-15132(Add.))
  - Hydrologic data reduction techniques and unit conversions for use in OGRE, T-WAVE, FLIP, RAVE fluid flow codes, 24:33781 (UCRL-50854)
  - Nuclear explosives: a potential tool for the development of water resources, 22:8245 (UCRL-70762)
  - RAVE: a computer code for analyzing the non-steady incompressible flow of a fluid into or out of a nuclear chimney, 24:29485 (UCRL-50828)
  - T-WAVE: computer code for analyzing nonsteady gravity decay of groundwater anomaly, 24:33780 (UCRL-50830)
  - The OGRE code: a two-dimensional numerical model of the transient flow of one or two compressible fluids through confined porous media, 24:36485 (UCRL-50820)
- KORYAGIN, A. I. Soft-electron energy flux in upper atmosphere during night, 24:30224
- KORYAGINA, G. M. Selection of the type and parameters for large electric power plants with MHD generators, 25:16867
- KORYAKI, Yu. I. Nuclear power plants, 25:20549 (AEC-tr-7187)
- KORYAKIN, A. G. Drift in inhomogeneities in ionosphere, 23:51504
- KORYAKIN, Yu. I. Analysis of data on multipurpose reactor installations, 23:21541
  - Comparative economic efficiency of nuclear power stations, 25:34241
  - Dual-purpose desalination plants, 22:14622
  - Economics of nuclear power plants, 24:33191
  - Fuel component of power costs, 24:11126
  - Integration of large nuclear power plants with desalination plant, 24:18468 (AEC-tr-6991)
  - Low capacity nuclear desalination plants, 22:14630
  - Methodological aspects of calculating the efficiencies of atomic distillation plants, 24:47919
  - Methodological aspects of calculating the efficiencies of atomic distillation plants, 25:23377
  - Methodology of calculating water and power costs for nuclear desalination plants, 21:17514 (NP-16558)
  - Nuclear fuel efficiency criterion, 21:12190
  - Number of problems of operating atomic power plants in energy systems, 23:15647
  - Selection of optimum fuel-loading conditions, 24:28912
  - Some problems in nuclear power plant function in electrical systems, 24:16118 (AEC-tr-6992)
  - Specific nuclear fuel consumption index for atomic power stations, 23:17193
  - Technico-economic parameters of nuclear desalination plants, 24:33474
  - The combination of large atomic electric power plants with desalination distillation units, 23:15699
  - Transitional period economics of atomic power plant operation, 23:23840
  - Utilization of the Beloyarsk Atomic Power Station reactors for dual purpose desalination installations, 21:17465 (NP-16557)
- KORYAKOV, V. I. Paramagnetic resonance of irradiated lithiumhydride luminescent crystals, 21:27233
- KORYAVOV, V. P. Approximate equation of state of solids, 22:5422 (ANL-Trans-536)
- KORYCHANEK, Ya. Critical heat fluxes encountered in the case of boiling of organic heat transfer agents with a high boiling point, 25:54879
- KORYTIN, M. I. Technological extraction of tantalum and niobium from the intermediate products of tin—tungsten production, 22:45175
- KORYTKO, L. A. Investigation using Moessbauer effect of mechanism of thermal stabilization of irradiated polyethylene by certain organic tin compounds, 23:4697
  - System for automated one-element activation analysis, 25:57390
- KORYTNYI, V. S. Development of offspring of mice chronically poisoned with ^{90}Sr, 23:22389 (AEC-tr-6944, pp 514-25)
  - Development of progeny of rats subjected to systematic action of ^{90}Sr, 22:8486
  - Functional state of cells on chronic ^{90}Sr intake, 25:23984 (AEC-tr-7195, pp 304-8)
- KORYTOVA, A. I. Potential changes of chromosomes as a result of interaction of radiation and alkylating compounds, 25:55260
- KORYTTSEV, K. Z. Study of the behavior of UO_3 and its hydrates in solutions by means of hydroxide electrodes of the third type, 21:21950
- KORYUKIN, V. A. Channeling of light ions in germanium, 24:30394
- KORYUSHIN, A. P. Decomposition of uranyl chloride and its interaction with dioxide of U in melt NaCl—KCl, 21:17618
  - Influence of fluoride ions on the process of electrolytic precipitation of uranium dioxide from molten salts, 22:33313
  - Tetrafluoride complex of uranyl in NaCl—KCl—NaF melts, 22:8078
  - Trivalent U pentafluoride complex in fluoride—chloride melt NaCl—KCl—NaF, 21:40842
  - Uranium precipitation on a cathode from fluoride—chloride melts, 21:19610
- KORYUSHKIN, A. P. Interaction of U(IV) with chloride—fluoride melt NaCl—KCl—NaF, 21:10325
- KORZH, I. A. Analysis of elastic scattering of polarized 3.4 MeV neutrons by S, Cu, Zn, and Zr nuclei, 21:44619
  - Angular distribution of 0.3-, 0.5-, and 0.8-Mev neutrons elastically scattered by titanium and Co nuclei, 21:12009
  - Elastic scattering of 1.5-MeV neutrons on nuclei of average at. wt, 22:53154
  - Elastic scattering of polarized 1.5 MeV neutrons by Mg, Al, and Si nuclei, 23:13235
  - Fast neutron radiative capture cross sections by isotopes ^{63}Cu, ^{65}Cu, and ^{186}W, 23:37164
  - Neutron elastic scattering on Ti and Cr nuclei, 24:38159
  - Neutron scattering of 2.9 MeV by Ti and Cr nuclei, 24:24526
  - Parameters of nuclear optical model from data on 1.5-MeV neutron elastic scattering, 22:24840
  - Parameters of optical nuclear model according to elastic scattering of polarized neutrons, 25:28248
- KORZH, I. O. Angular distribution of 0.3-MeV neutrons elastically scattered by atomic nuclei, 23:10958 (BNL-tr-232)
  - Differential cross sections of elastically scattered neutrons on Si, Cr, Zr, Rb, and Bi, 23:10957 (BNL-tr-228)
  - Elastic scattering of 0.65-MeV neutrons by atomic nuclei, 23:10959 (BNL-tr-242)
  - Measuring angular distributions of 0.3-, 0.5-, and 0.8-MeV neutrons elastically scattered on nuclei of Ti and Co, 23:10956 (BNL-tr-227)
- KORZH, P. D. Dependence of inverse scattering coefficient for β rays on target atomic number, 23:44161
  - Determination of isotope content of Eu and Ir by using thermal neutron method, 24:13773
  - Isotopic analysis of indium and lutetium by thermal neutron absorption, 24:13772
- KORZHAVIN, A. N. Fluctuations in radio-emission sources of the Sun, 25:16687 (AD-712020)
  - Sizes of local sources of solar radio emission, 22:45899
- KORZHENEVICH, I. M. Nonlinear wave interaction in relativistic plasma, 23:10648
- KORZHEVENKO, G. N. Protection of animals against injury by nuclear weapons, 25:58026
  - Veterinary-sanitation assessment of radiation injury effects on animal breeding, 22:45537
- KORZHOV, L. N. Actinium aerosols determination in the air in the presence of other radioactive substances, 25:26394
- KORZHOV, V. I. Effect on alkaline phosphatase of indicator quantities of radiophosphorus and radiogold, 22:49216
  - Glucose-6-phosphate dehydrogenase activity in the mucous membrane of various portions of the rat small intestine after radiation sickness, 24:16987
- KORZHOVA, Yu. A. Changes in the properties of fresh fish under the effect of gamma rays, 21:34841 (JPRS-41012)
- KORZINA, N. S. Intermetallic compounds in components of wrought aluminum alloys containing cerium, 23:33938
- KORZUN, V. N. Effectiveness of a number of chemical substances in poisoning with a mixture of radioisotopes of cesium and strontium, 25:55113
  - Intake of ^{137}Cs and ^{90}Sr in food ration, 25:32453
- KORZUNOVA, R. A. Study of ^{210}Po content in environment and human body, 25:42429
- KOS, J. Changes in hemodynamics in acute radiation sickness, 23:33851
  - Changes in major mineral components in radiation sickness, 23:33634
- KOS, J. F. Lattice refrigeration below 10^{-3} °K, 25:45578
- KOS, V. Directional correlation studies in decay of /sup 177g/Lu, 25:3684
- KOSA, F. Theory and practice of density correction concerning neutron moisture measurement, 24:14330 (KFKI-34/1969)
- KOSACHEV, V. V. Distribution functions of particles in a high-temperature plasma, 23:27632
  - Longitudinal oscillations of a relativistic electron—ion plasma at zero temperature, 25:30529
  - Stable closed plasma systems with circular magnetic surfaces, 22:5311
  - Thermodynamics of weakly relativistic plasma, 22:29519
- KOSACHEVSKII, L. Ya. Propagation of magnetosonic waves in laminar media, 21:24967
  - Propagation of shear waves in conducting viscous-plastic medium, 25:27497
  - Reflection of magneto-acoustic waves from elastic layer, 24:26043
- KOSAEV, A. K. Immediate results of treatment of bone sarcomas of limbs under conditions of local hypoxia, 24:34418
- KOSAKA, Kazuhisa Irradiation treatment of wiener sausage with gamma-ray, 23:29935
- KOSAKA, Tadako Scintillation camera-1600 channel analyzer, 24:32248
- KOSAKA, Takao Deposition of radioactive fallout in Niigata, 22:10382
  - Deposition of radioactive fallout in Niigata City, 22:30724
  - Deposition of radioactive fallout in Niigata City, Japan. III, 23:47644 (NSJ-tr-149)
  - Deposition of radicactive fallout in Niigata City, Japan. I, 23:47643 (NSJ-tr-148)
  - Deposition of radioactive fallout of 4th communist Chinese nuclear test, 23:2422 (NSJ-tr-132)
  - Effects of third Communist Chinese nuclear test. III, 21:39425
  - Effects of third Communist Chinese nuclear test. II, 21:39431
  - Effects of third Communist Chinese nuclear test. IV, 21:39432
  - Fallout in Niigata City, Japan. III, 22:40270
  - Fallout in Niigata City, Japan. II, 22:40271
- KOSAKA, Takdo Effects of third Chinese nuclear test on fallout detected in Niigata, 22:6486
- KOSAKI, M. X-ray study of proton-induced disorder in Cu_3Au, 21:29385
- KOSALY, G. Determination of kinetic parameters in absolute units, 24:4129
  - Investigation of the area-ratio method of pulsed reactivity determination, 25:57185
  - Slow neutron scattering by solid CH_4 and NH_4I, 21:4185
  - Slow-neutron cross section and thermal spectra in water, 24:3829
- KOSALY, Gyorgy New method for determining the reserve reactivity, 25:18235
  - Slow neutron scattering in crystals and liquids, 21:25183
- KOSANIC, M. M. Effect of absorbed dose on the yields of radiolytic products in neutral aqueous solutions of oxalate ion and oxygen, 25:34644
  - Hydroxyl radical reactions in γ-irradiated aqueous solutions, 21:36046
- KOSANKE, H. D. Flux monitor utilizing track-etch film for unattended safeguards application, 25:4341
  - Neutrographic hydrogen determination in zirconium alloys, 24:33636
  - Neutrographic hydrogen determination in zirconium alloys, 25:41755
- KOSANKE, K. L. Ge(Li)—Ge(Li) sum coincidence, 25:34932
  - N-shell conversion electrons from 2.33-keV transition in ^{205}Pb, 25:36780
- KOSARENKOV, V. A. Experimental study of gas heating efficiency in sectioned plasma generator with channel adjustment, 25:35928
  - Generalization of the operational characteristics of a sectional plasmatron with compressed channels, 24:28301
- KOSAREV, E. L. Accelerator-buncher of electrons, 22:20376 (AD-661900)
  - High-current microtron (30 MeV), 21:29800
- KOSAREV, G. E. Elastic backward scattering of fast protons by light nuclei, 25:25300

  Elastic scattering of fast protons by light nuclei, 24:24503 (JINR-P1-4876)
  Fast ^{3}He-nucleus production on light nuclei under 665-MeV proton beam bombardment, 23:25812 (JINR-P1-4373)
  Knock out of fast ^{3}He and ^{4}He fragments from light nuclei by 665-MeV protons, 24:30715
  Knock-out of fast ^{3}He fragments from light nuclei by 665-MeV protons, 23:49329 (BNL-tr-281)
  Quasielastic scattering of 665 MeV protons on alpha-particle clusters in light nuclei, 23:19157 (JINR-P1-4227)
  Quasielastic scattering of 665-MeV protons by α-particle clusters in light nuclei, 23:49330 (BNL-tr-282)
KOSAREV, L. I. Spectral angular distribution of ^{137}Cs γ radiation behind cylindrical steel barriers, 23:6307
KOSAREV, V. G. Physical-chemical investigation of uranium hexafluoride—carbon tetrachloride binary system, 24:9321
KOSAREV, Yu. G. Conference on computer elements and systems, Vol. 4, Novosibirsk, 6/67, 25:26085 (AEC-tr-7125/4)
KOSAREVA, A. M. Method for experimental data processing by using normal law superposition, 21:9708 (JINR-P10-3032)
KOSAREVA, Z. M. Method and parameter determination program for computing space coordinates of track points in a bubble chamber, 22:4472 (JINR-P1-3487)
KOSARIC, Namik Decrease in the loss of heavy water by gas drying, 24:20565
  Procedures for heavy water reconcentration, 24:20567
  Ventilation of nuclear power plant premises, 24:20572
KOSARIN, P. E. Electrolytic modeling of the distribution of static magnetic fields near superconducting surfaces, 22:38971
  Simulation of magnetic field distribution near superconducting surfaces, 23:23035
KOSARY, I. Z. Brain atrophy, hydrocephalus, and dementia, 24:14545
KOSA-SOMOGYI, I. Radiation chemistry of organic glasses, 24:31400
  Radical reactions and radiothermoluminescence phenomena in organic glasses irradiated at —196°C, 21:23974
KOSA-SOMOGYI, Istvan Improvement of the thermomechanical behavior of cable insulator grade polyethylene exposed to ionizing radiation, 23:51153
  Investigation of radiation chemical processes in diphenylmethane and monoisopropyldiphenyl, 21:5956
  Physicochemical investigation of solid dimethylaniline. I, 21:17689
  Radiation chemical research in Central Research Inst. for Physics, 24:13947
  Radiolysis of aliphatic alcohol glasses, 21:36009
KOSBAHN, Thomas Radioactive measurement techniques for weight of surfaces. II, 21:8532
  Radioactive measurement techniques for weight of surfaces. III, 21:8533
  Radioactive procedures for measurement of film thickness. IV, 21:12698
  Radioactive procedures for measurement of film thickness. I, 21:14487
  Radioactive procedures for measurement of film thickness. V, 21:16074
KOSCHEL, K. W. Radiation-induced bulk conductivity in cadmium sulphide and application to the dosimetry of ionizing radiation, 22:6661
  Rectal dose measurement with CdS dosimeters, 22:51610
  Whole body counting with I.D.L. scanner, 24:2669
KOSCHMANN, Arnold H. Study of learning in adaptive systems, 21:25757 (SC-CR-67-2547)
KOSCIUKOVA, B. Estimation of the amount of exogenous inclusions in steel by means of neutron-activation analysis, 25:2132
KOSCIUKOWA, B. Isolating tracer isotopes from a bulk of labelled material, 23:45384
KOSE, R. Fast decision-making spark chambers, 22:16908
  Measurements of polarization of protons from deuteron photodisintegration, 23:19143
  Photodisintegration of the deuteron from 100 to 420 MeV, 21:31517
KOSE, Saburo Grain growth of zirconium diboride, 23:41748
  Hot-pressing of zirconium diboride—lanthanum hexaboride mixtures, 23:41718
  Hot-pressing of zirconium diboride—molybdenum disilicide mixtures, 24:44803
KOSE, V. Determination of e/h with the help of Josephson effect, 25:33829
  Maximal output power of point-contact Josephson junctions, 25:11838
  Pull-in phenomena of Josephson oscillators, 25:11839
KOSE, V. E. Generation of harmonics and subharmonics of Josephson oscillation, 25:3037
  Harmonic generation and submillimeter wave mixing with Josephson effect, 23:51563
  Influence of external noise on microwave-induced Josephson steps, 24:10482
KOSEF, J. C. Origin of undifferentiated neoplasm from verrucous epidermal carcinoma of oral cavity following irradiation, 24:44617
KOSEK, S. Natural rubber latex sensitized with methane halides. II, 25:34614
KOSEK, Stanislaw Oxygen effect on gamma irradiated frozen solutions in tetrahydronaphthalene, 23:221
KOSEKI, Koji Natural occurrence of U in Japan. II, 24:7534
  Radiometric survey in Fukushima and Miyagi, 23:49955
KOSEL, T. High-voltage electron microscopy study of slip band growth in copper, 25:3988 (UCRL-19601)
KOSEL, Thomas H. Study of slip band growth in prestrained copper, 25:26135 (UCRL-20372)
KOSENKO, A. S. Distribution of absorbed dose in animals, 25:46985
  Excretion and biosynthesis of pseudouridine and thymidine by irradiation, 21:12802
  Whole body x-irradiation influence on pseudouridine excretion in urine in animals, 21:22340
KOSENKOV, A. V. Assessing absorbed neutron and gamma dose with graphite critical assembly, 21:3412
KOSENKOV, V. M. Anisotropy of radiation defect in crystal lattice of wurtzite, 25:52899 (JPRS-53800, pp 44-52)
  Influence of neutron irradiation on the properties of samarium hexaboride, 25:52477 (JPRS-53800, pp 307-13)
KOSEV, N. P. Mechanism of stabilizing recoil atoms from ^{56}Mn in K permanganate solution, 21:14272
KOSEVICH, A. M. Dynamics of a crystal lattice with defects, 21:18825
  Effect of irradiation on the diffusional-dislocational flow of crystals, 21:37555
KOSHAEVA, K. K. Determination of the β activity of specimens of biosubstratum by means of calibrating curves, 21:34239
  Slow neutron fission cross-section of ^{237}Np, 24:43330
  Threshold detectors used for the neutron spectrum measurement, 25:13210 (JINR-P3-5421)
KOSHAKJI, R. P. Development of placental discrimination among homologous elements, 24:4548 (CONF-690501-7)
KOSHCHEENKO, N. N. Biochemical mechanism of radioprotective action of aminothiols, 25:4592
  Content of radioprotectors in rat tissues after cystamine administration, 24:46622
  Protectors and change in the radiosensitive biochemical processes, 24:12128
KOSHCHEENKO, Nikola Nikolaevich Early radiation and biochemical reactions, 22:40612
KOSHCHEEV, G. G. Determination of the U—O ratio in U oxide by coulometric analysis with controlled potential, 21:28
  Interaction of UO$_2$ with oxides of La, Sm, Dy, and Yb, 22:4108
  Investigation of binary uranium oxides and rare earth elements, 21:527
  Reactions of solid solutions of U$_3$O$_8$—R$_2$O$_3$ (R is La, Sm, Dy, and Yb) with oxygen under pressure, 21:12413
  Study of binary oxides of uranium and rare earth elements in the region rich in rare earth oxides, 21:13278
  Uranium dioxide reactions with rare earth (La, Sm, Dy, and Yb) oxides in a vacuum at high temperatures, 21:27976
KOSHCHEEVA, I. Ya. Detection and quantitative determination of submicroamounts of ruthenium in zones of paper chromatograms and electrophoregrams by a kinetic method, 25:37299
KOSHCHENKO, N. N. Early radiation-biochemical reactions, 21:8744
KOSHEL, O. S. Ternary system niobium—nickel—silicon, 24:14789
KOSHEL, R. D. Elastic scattering of neutrons from O and Ar at 14.0 MeV, 21:29909
  Neutron—nucleus interaction, 21:17422
  Optical-model investigation of elastic neutron scattering: heavy nuclei, 22:18300
  Optical-model investigation of elastic neutron scattering: light nuclei, 22:30051
  Polarization and differential cross section for neutrons scattered from ^{12}C, 24:15800
  Scattering from a separable, non-local potential, 22:26733
  Unified reaction formulation with two particles in the continuum, 24:40715
KOSHELEV, I. V. Nuclear radiation for automatic sorting of ores, 25:51696 (A/CONF.49/P-455)
KOSHELEV, P. F. Influence of beta-stabilizers on the strength and plasticity of titanium at low temperatures, 25:29844
  Investigation of mechanical properties of new titanium alloys at low temperatures, 25:22084
  Study of mechanical properties of new titanium alloys at low temperatures, 24:46733
KOSHELEV, V. V. Diurnal variations of ionic compositon in lower part of F region, 24:39959
  Diurnal variations of ionic structure in F1 region, 25:2987
  Influence of ion composition on development of F$_1$ layer, 25:33138
  Ion composition and ionospheric reaction coefficients at heights of 140 to 200 km in the equatorial ionosphere, 23:51516
  Possibility of narrowing the interval of indeterminacy of ionospheric reaction constants by introducing an additional condition, 25:16926
  Ratio [NO$^+$]/[O$_2^+$] in the F1 region, 25:22440
  Simulation of ionospheric conditions in lower part of F region, 24:39962
KOSHELEVA, G. F. EP404 and EP454 economical heat-resistant alloys, 23:8192
KOSHELEVA, T. I. Water-flow and chemical conditions of operation of atomic power plants based on a channel-type reactor with nuclear superheating of the steam, 25:48140
KOSHELEVSKII, V. K. Field pulsations at magnetically conjugate points, 22:34480
  Geomagnetic pulsations of the Pi2 type and parameters of auroral zone, 25:22434
KOSHELEVSKII, V. M. Spectral characteristics of type Pi2 geomagnetic field pulsations, 24:12750
KOSHELKOVA, E. V. Dipole sum rule for three-particle nuclei, 23:37107
KOSHEL'NIK, I. I. Effects of gamma rays on certain varieties of grapes, 24:919
KOSHEVAYA, S. V. Formation of inhomogeneities in interplanetary plasma, 25:22444
  Interaction of the spiraling electron beam with electromagnetic waves propagating obliquely to the magnetic field, 25:25274
  Mechanism for formation of homogeneities in interplanetary plasma, 24:17800
KOSHIBA, Kunji Cation exchange separation with oxalate, 23:15956
KOSHIBA, M. High energy collision in cosmic rays, 24:24379
  High energy interactions above 1 TeV, 25:5274
  Systematic investigation of ultra high energy interactions. II, 24:35604 (SJC-P-70-2)
  Systematic investigation of ultrahigh-energy interactions. I, 21:33719
  Ultra-high-energy interaction, 24:20138
  Ultrahigh-energy interaction as particle physics, 21:37839
KOSHIBA, Masatoshi Atmospheric muons and neutrinos, 23:39353
  Consistent interpretation of ultra high energy phenomena, 21:35308
  Systematic investigation of ultra high energy interactions. II, 25:12093
KOSHIDA, Yutaka Distribution of radiomanaganese in embryonic tissues of the mouse, 21:10796
KOSHII, Hideo Computer control of the startup of a nuclear reactor, 22:16286 (JAERI-1152)
KOSHIJIMA, Tetsuo Grafting of radiation-peroxidized lignin, 22:8145
  Oxidation of lignin-styrene graft polymer, 21:3107
  Radical grafting on lignin. I, 22:33403
  Solvent effects upon radiation-induced graft copolymerization of styrene onto lignin, 21:3106
KOSHIJIMA, Tokusaburo Exposure from ^{147}Pm-activated self-luminous paints, 25:11065
  Radiation detection with non-silver halide film, 23:22101
KOSHIKA, Mitsuo Irradiation flavor and the volatile components of beef, 22:8672
KOSHILEV, N. A. Investigation of the ion spectrum of a plasma heated by a shock wave, 23:51620
  Method for passive corpuscular diagnostics of high-temperature plasma, 24:45225
KOSHIMIZU, Yukio Studies on residue analysis of pesticides in plant materials. II, 21:28401
KOSHINO, Masao Cobalt-60 irradiation facility, 24:31571
KOSHIRO, Hideki Operation experiences of JAPC Tsuruga Power Station, 25:23138
KOSHKAREV, D. G. Coulomb collisions in dense beams, 25:36640
  Coupling resonances of the transverse oscillations of two circular beams, 25:53434 (UCRL-Trans-1451)
  Design study for ITEP proton synchrotron reconstruction, 22:32333 (CEAL-2000, pp A88-90)
  Distribution of particles according to the frequencies of betatron oscillations in circular accelerators, 23:17028
  Effect of resonance perturbation of accelerator magnetic field on stability of particle motion, 22:39511
  Effect of resonant magnetic field disturbances on stability of particle motion with beam control system, 22:32341 (CEAL-2000, pp A109-10)
  Efficiency of thick internal targets in proton synchrotrons, 22:32340 (CEAL-2000, pp A106-8)
  Increase of ITEP proton synchrotron limiting intensity by demonochromator, 22:32344 (CEAL-2000, pp A117-19)
  Measuring the Coulomb frequency-shift of betatron oscillations, 25:20171
  Motion of accelerated bunches taking into account the proper field, 22:32351 (CEAL-2000, pp A148-9)
  Ring accelerator having a monoenergetic beam, 25:50211
  Shape of focusing fields in linear accelerators, 22:32317 (CEAL-2000, pp A32-3)
  Slow extraction of protons from a 70 GeV synchrotron, 21:40310
KOSHKIN, V. K. Effect of the variable volume of a reservoir on the resonant frequency and on the convective heat transfer in pulsating flow in a tube, 24:9585
  Heat exchange in a channel with densely packed tube or rod bundles, 21:45300
KOSHKIN, Yu. I. Nuclear power plant with BN-350 Reactor, 22:7828
KOSHLYAK, V. A. Use of pulsed neutron—neutron method in oil fields, 24:313
KOSHLYAKOV, M. N. Exchange processes and the dynamics of ^{90}Sr in the upper layer of the North Atlantic, 21:36177
KOSHMANENKO, V. D. Axiomatic field theory in terms of operator Jacobi matrices, 25:53303
KOSHTOEV, V. V. Representation of elementary particle ionization losses in energy as simple approximating function, 23:42604
  Scintillation spectrometer for the determination of the mass values and the energy spectra of elementary particles, 23:41047
  Spectrometric scintillation counter, 22:36089
  Spectrometric scintillation counter, 22:38083
KOSHUBA, Walter J. Process of producing beryllium metal powders, 23:41598
KOSHUMBEKOV, Kh. D. One variant of the technical development of a complete absorption spectrometer in tests with cosmic radiation, 22:33661
KOSHUR, L. T. High refractory materials with zirconium dioxide base stabilized by rare earth oxides, 21:3033
KOSHURNIKOVA, N. A. Behavior of ^{239}Pu and injury of skeleton and liver of rats, 25:23986 (AEC-tr-7195, pp 376-87)
  Combined effect of ^{90}Sr, ^{144}Ce and ^{239}Pu on rat organism (report 2), 23:22383 (AEC-tr-6944, pp 453-62)
  Combined effect of ^{90}Sr, ^{144}Ce and ^{239}Pu on rat organism (report 1), 23:22382 (AEC-tr-6944, pp 441-52)
  Content and microdistribution of ^{239}Pu and morphological changes in lungs of rats intratracheally administered this isotope, 23:22165 (AEC-tr-6944, pp 122-30)
  Effect of additional pathological factors on long-term consequences of ^{239}Pu poisoning, 23:22386 (AEC-tr-6944, pp 484-92)

  Influence of prophylactic inhalation of pentacin on remote aftereffects of ^{239}Pu inhalation, 25:16113 (AEC-tr-7172)
  Morphological changes in lungs of rats after inhalation of large doses of soluble ^{239}Pu compounds, 23:24727
  Pneumosclerosis in rats after intratracheal administration of soluble ^{239}Pu compounds, 23:31932
  Sequelae of ^{239}Pu inhalation, 23:50621
  Use of DTPA aerosol for prophylaxis of rats chronically inhaling ^{239}Pu, 23:8039
KOSHY, Elizabeth Organic materials in the marine environments and their interactions with some metal ions, 24:16483 (BARC-402)
KOSHY, Jacob Radiation damage in barite, 23:42446
KOSHY, T. Radiation-induced lethality in sperms of mosquito Culex pipiens fatigans, 25:16293
KOSI, V. Enamel coated CaF$_2$:Mn thermoluminescent dosimeter and reading instrument, 21:34495
KOSIANCIC, E. J. Direct preparation of ThO$_2$—^{233}UO$_2$ fuel by sol-gel process, 22:23857 (CONF-660524-, pp 417-43)
KOSIANCIC, Eugene Joseph Improvements in and relating to the preparation of nuclear fuel materials, 25:2784
KOSIARA, A. Gamma ray—neutron branching ratio in the triton—deuteron reaction, 24:38093
KOSICHENKO, L. P. Mechanism of action of radioprotectors mexamine and β-mercaptoethylamine, 22:25884
  Nervous component in the mechanism of protective action against anti-radiation agents, 21:20253
  Radiation lesion of nuclear structures of bone marrow cells in monkeys, 22:8601
  Remote aftereffects in irradiated monkeys, 22:21609
  Sensitivity of bone-marrow cells of monkeys to the long-term daily irradiation with x rays at small doses, 24:2618
KOSICKI, G. W. Oxaloacetate decarboxylase from cod, 23:9900
KOSIEK, R. Processes (γ,α) on Nb, 22:11971
  Reaction (γ,α) in Ge and Nb, 22:50592
  Reaction (γ,p) in light and medium weight nuclei, 23:39956
  Reaction ^{4}He(γp)T, 23:1781
KOSIK, J. Cl. Charged-particle motion in an approximate analytic model of Mead magnetosphere, 25:47410
  Charged-particle radial diffusion by the violation of the third adiabatic invariant, 25:47411
KOSIK, M. Radiation-chemical effects in the wood—vinyl monomer systems, 21:38986
KOSIK, Martin Modification of wood by radiation. I, 21:34307
  Radio-chemical effects in the wood—pulp—monomer system, 21:15940
KOSIKOV, K. M. Sporadic E-layer, 23:32237
KOSIKOWSKI, F. V. Potentialities of radioisotopes and radiation for the dairy industry, 21:34849
KOSINA, Z. Digital spectrum stabilizer with analog correction register, 24:33963 (UJV-2378-A)
  Gamma-ray spectrum from resonance neutron capture in ^{35}Cl, 21:17323 (UJV-1705)
  Ge(Li) spectra processing, 25:6555
  Linear polarization of low-energy capture γ-rays from ^{35}Cl(n,γ) reaction, 25:59745
  Measurement of reaction ^{35}Cl$(n,\gamma)^{36}$Cl using a three-crystal pair and anti-Compton spectrometer, 25:10000 (PH-2)
  Simple digital stabilization of γ-ray spectrometer, 21:19906 (UJV-1729)
KOSINA, Zdenek Simple cyclotron target-current integrator with the digital output, 22:39515
KOSINKA, E. Healing of homoplastic bone chip irradiated with a radium bomb, 23:33873
KOSINOV, G. A. Fast—slow coincidence scheme for measurement of the angular correlation of nuclear emissions, 22:10578
  Random coincidence noise in correlation measurements in a cyclotron, 22:11763
  Spectral density of the cyclotron beam current and accidental coincidences in nuclear angular correlation measurements on the cyclotron, 23:17044
KOSINSKI, Edward High-performance material from a hot-worked superalloy powder, 25:22065
KOSINSKI, F. E. Lanthanum solvent extraction mechanisms using di-(2-ethylhexyl) phosphoric acid, 24:2272
KOSINSKII, G. E. Observation of the anomaly near threshold in collisions of protons with Be nuclei at the energy 2.06 MeV, 22:39582
KOSKI, O. H. Optimization of cerium-activated glass alpha sensors, 25:23767 (BNWL-CC-2354)
KOSKI, W. S. Basic development and applications of bubble chambers for low level counting, 23:38245 (JLI-3506-41)
  Collision-induced dissociation of HD$^+$ by rare gases, 22:52524
  Helium ion—hydrogen reactions, 22:17410
  Ion—molecule reactions of C$^+$ with N$_2$ and O$_2$, 23:8438
  Radiation chemical reactions of olefins with methanethiol and with methylsilanes and of dimethylamine, 22:21091 (JINR-P9-3402)
  Radiation chemical reactions of olefins with methanethiol and with methylsilanes and of dimethylamine, 23:9421 (JLI-3655-200)
  Reaction of C$^+$ with CH$_4$ in 2- to 200-eV energy range, 24:37223
KOSKI, Walter S. Anesthesia. LXIX. Anesthesia with deutero ether, 21:14564
  Anesthesia. LXXII. Anesthesia with deuterochloroform, 21:28365
  Prog. rpt. on nuclear and hot-atom chemistry, final, 1952—67, 21:34311 (NYO-1396-103)
  Quantum-chemical treatment of reaction of hot carbon atoms with O$_2$, 23:13746
  Theoretical justification of the apparently anomalous low-energy behavior of some ion—molecule reactions, 23:20687
KOSKIKALLIO, J. Deuterium isotope effects in attachment of Hg(6^{3}P$_0$) to ammonia, 25:29046
KOSKIN, Yu. P. Boundary layer at electrode and its influence on effectivity of energy conversion in MHD channel, 22:41409
  Boundary layer on the insulator wall and its influence on the magnetohydrodynamic device parameters, 21:20812
  Calculation of boundary layer at insulating wall of MHD-channel, 22:13290
  Criteria and optimization methods of magnetic systems of magnetohydrodynamic machines, 24:47068
  Current distribution in mhd channels with solid electrodes of finite resistance, 25:19542
  Distribution of electric potentials in magnetogasdynamic channels, 23:51434
  Effect of core flow boundary conditions in low-temperature MHD plasma channel, 22:9167
  Flow of ionized gas in MHD channel of rectangular cross section, 23:48790
  Transverse disturbance of the velocity in magnetohydrodynamic channels, 22:52590
KOSKINEN, M. F. Development of isotope fueled thermionic generator for about 30 W electrical power, 24:19161 (BMBW-FBK-69-44)
  Thermionic generator heated with ^{227}Ac, 23:24393
KOSKINEN, Michael F. Plasma physics of thermionic converters, 21:41854
KOSKOVA, D. Blood coagulation in workers exposed to ionizing radiation, 25:44913
  Effect of chronic radiation on results of TEG, 25:58144
  Lymphograms of miners in U mines, 23:38659
  Nuclear residue in erythrocytes in persons exposed to long-term radiation, 24:904
KOSKY, P. G. Boiling and vapor voidage growth problems in liquid-metal-cooled reactor, 22:53375
  Natural convective boiling of alkali metals, 22:19509 (AERE-R-5436)
KOSKY, R. P. In-service inspection program for a PWR, 24:45839
KOSLOV, V. A. Recovery in the mouse spleen after sublethal irradiation, 23:9856
KOSLOV, Yu. P. Free-radical processes in gamma-irradiated homogenates of animal tissues. I, 21:370
KOSLOWSKI, L. Radiation sickness combined with burns, 24:7905
  Therapeutic modification of acute radiation illness in dogs by splenectomy, 21:12914
KOSLOWSKI, Leo Changes in blood cells after whole-body irradiation, 22:45707
  Investigations about combination injuries, 25:13368
  Investigations of injury induced by different causes, 25:55332
  Radiation injuries. VII, 21:11068
  Studies of combination injuries, 24:32216
KOSMACH, V. F. Reaction ^{12}C$(\pi^+,2p)d2\alpha$ at π^+-meson energy of 117 MeV, 22:48469
  Reactions of ^{16}O(π^+,π^+) 4α at π^+ meson energy of 117 MeV, 23:19184
KOSMACHEV, O. S. One-particle exchange model of π^{+-}p interactions at 2.75 GeV/c, 22:9610
  Selection rules for antinucleon—nucleon annihilation, 23:34584
  Single-particle exchangeable model of inelastic pion—nucleon interactions, 25:17513
KOSMAHL, H. G. Plasma acceleration with microwaves near cyclotron resonance, 22:1200
  Three-dimensional plasma acceleration, 21:11628 (NASA-TN-D-3782)
KOSMAHL, Henry G. Microwave-powered plasma space propulsion, 24:26169
KOSMATA, A. R. Physics tests at the Dresden Nuclear Power Station, 21:27756
KOSMOLINSKII, F. P. Biomedical problems of space flight, 25:8755 (JPRS-51660)
KOSMOWSKI, A. Increasing tasks of radiation protection, 25:2571
  Measurement of density and moisture using radionuclides, 21:185
  Measurements with neutrons, 21:6325
  New uses of noncontact flat weight, thickness, and density measurements, 24:44342
  Process control by means of radiometric measuring and control devices, 25:49030
KOSMOWSKI, Alfred Measurement equipment for technical use of radionuclides, 21:10689
  New measuring arrangements for monitoring radioactivity in air and water, 21:12672
KOSMOWSKI, M. Investigations of dynamical neutron diffraction using crystals with low dislocation density, 25:25250
KOSOLAPOVA, T. Ya. Carbides, 22:47709
  Carbides, 25:29959
  Chemical properties of lanthanoid boride powders, 24:39713
  Interaction between the carbides and the oxides of transition metals, 21:14897
  Interaction of carbides of transition metals of groups IV—VI with ZrO$_2$, 24:19511
  Interaction of powders of ZrC and Si, 24:10148
  Nature of boron carbonitride. I, 25:52433
  Obtaining neodymium digermanide, 22:28768
  Obtaining zirconium carbide on a semi-industrial scale, 22:31455
  Phase composition of ZrO$_2$—ZrC and ZrO$_2$—TiC alloys, 21:26921
  Phases in La—Ge systems, 23:12338
  Production of high-purity carbides, 23:48522
  Reaction of ZrO$_2$ with Ti, Nb, and Cr carbides, 21:18348
  Reactions of borides of the transition metals with their oxides, 25:52415
  Reactions of carbides of transition metals with their oxides, 21:11313
  Some germanides of rare-earth metals, 22:10958
KOSOROK, J. R. Anticoincidence-shielded dual Ge(Li) gamma-ray spectrometer, 24:31727
  Application program for programmed control and instrumentation system of nuclear reactor, 23:52402 (BNWL-SA-2171)
  Computer programs for operation of high temperature lattice test reactor, 22:22801 (BNWL-651(Vol. 1 and 2))
  Control program development, 21:14105 (BNWL-348)
KOSOROK, John Roger Computer control algorithm for a nuclear reactor support system, 23:9215
KOSOROTOV, V. I. Calculation of efficiency of spherical β-radiation source, 23:6259 (BNL-tr-239)
  Radiation chlorination of paraffins. II, 23:9482
KOSOUROV, G. I. Atmospheric radioactivity over Atlantic Ocean, 21:8456 (AEC-tr-6641, pp 23-31)
KOSOVA, R. V. Effect of preliminary ionization on Ar plasma under influence of electric fields, 24:26181
KOSPACH, K. Direct-current-coupled pulse amplifier circuit, 21:1681
KOSS, D. A. Prog. rpt. on structure and properties of solid solutions, 9/1/70—6/15/71, 25:49407 (COO-916-20)
KOSS, Donald A. Athermal solid solution strengthening in niobium—tungsten single crystals, 23:24841 (CONF-681031-3)
  Deformation of Nb—W single crystals: athermal solid solution strengthening, 25:16461
  Low temperature thermally activated deformation in Nb-6 a/o W single crystals, 24:19431
KOSS, P. Carbide fuel particles, 24:42189 (DP-Report-134)
  Coating of nuclear fuel particles with pyrolytic graphite in fluidized bed, 22:45804 (SGAE-M-16/1968)
  Dendritic growth of Mo, Nb, and Ta on deposition from gas phase, 23:33995 (SGAE-M-22/1968)
  Evaluation of coated fuel particles, 24:42228 (DP-Report-138)
  Impact strength testing in reactor engineering, 23:24409
  Noble gas diffusion in light metals, 23:18211 (SGAE-M-20/1968)
  Roentgenographic determination of anisotropy in pyrolytic graphite, 22:41116 (SGAE-M-17/1968)
  Testing and evaluation of reactor fuel particles. project dragon, 24:41001 (DP-Report-334)
  Testing and evaluation of reactor fuel particles. project dragon, 24:42229 (DP-Report-295)
  Testing and evaluation of reactor fuel particles. project dragon, 24:43758 (DP-Report-408)
KOSS, Peter Influence of neutron irradiation on the graphitization of unalloyed and alloyed malleable cast iron, 25:42904
  Production of spherical particles, 23:39023
KOSS, T. A. Many-quantum transitions in conduction electron spin resonance, 22:41692
KOSSAKOWSKI, A. Measure-relative information in quantum mechanics, 23:27731
KOSSAKOWSKI, S. Post-radiation autoinfection in slaughter animals, 24:877
KOSSAKOWSKI, Stefan Effect of ionizing radiation on meat with consideration of the sanitary-veterinary appraisal, 23:26977
  Effect of ionizing radiation on meat with consideration of veterinary health sanitary inspection, 24:39596 (ORNL-tr-2321)
  Hygiene and technology of food products, 24:39554 (ORNL-tr-2317)
KOSSANYI, P. Magnetic excitations in ^{12}C, 23:32904
  Reactions ^{203} ^{205}Tl$(\alpha,t)^{204}$ ^{206}Pb, 22:20614
KOSSANYI-DEMAY, P. (^{3}He,t) charge exchange reaction and the two-body interaction, 24:49702
  Excitation of ^{31}P and ^{32}S by 180 degree electron scattering, 21:21478 (AD-641115)
  New parameters for scattering of 18.6 MeV polarized protons, 22:16088
  Optical-model analysis of 18.6-MeV proton elastic scattering, 21:13847
  Spectroscopy of $N = 27$ doubly odd nuclei through the J-dependence of (^{3}He,t) reaction, 23:28277
KOSSEL, F. Radiation dosage, dosage unit, and dosage determination, 21:12861
KOSSENTINI, Abdelmajid Absolute measurements in fast neutron reactions: the $n + D \rightarrow nnp$ reaction at 14 MeV, 25:9968 (NP-18488)
KOSSEVICH, V. M. Investigation of the structure of metal layers by electron-microscope and electron-diffraction methods, 25:2055 (UCRL-Trans-1412)
KOSSIONIDES, S. Low-lying states of ^{23}Mg, 21:23460
  States of ^{23}Na below 5.4 MeV, 25:43880
KOSSLER, J. Particle-core structure in the spectra of the strontium nuclei, 25:28234
KOSSLER, W. J. Calcium-40$(\alpha,\alpha'\gamma)$ for states at 6.29, 6.56, and 6.94 MeV, 22:13976
  Lifetimes and branching ratios in ^{42}Ca employing $(p,p'\gamma)$ reaction, 23:25864
  Lifetimes and branching ratios in ^{48}Ti, 23:37170
  Precession measurement of 845-keV level of ^{56}Fe implanted in Fe after a (p,p') reaction, 22:46751
  Precession measurements of 0.847-MeV level of ^{56}Fe implanted in iron after (p,p') reaction, 22:13968
  Studies of photon cascades in $(\alpha,2n)$ and $(\alpha,3n)$ reactions on rare-earth nuclei, 23:15478
KOSSMEHL, Gerhard Use of redox resins in inorganic chemistry, 24:5740
KOSSOWSKA, B. Radiosterilization of preserved tissues, 22:52093
KOSSOWSKY, R. Microyield points in Ta, 23:48403
  Twinning in Be binary alloys, 21:28789
  Unidirectionally solidified Co-based alloys for elevated temperature magnetic application, 23:24858 (NP-17821)
  Unidirectionally solidified cobalt-based alloys for elevated temperature magnetic application, 24:12414
KOSSOWSKY, Ram Magnetic properties of Co—Nb and Co—Nb—Fe composites, 25:50021
KOSSYI, I. A. Emission probes for measurement of plasma parameters in a strong magnetic field, 25:22491
  Experimental investigation of quasistationary longitudinal ion streams in the L-1 stellarator, 25:38371 (CONF-710607-104)

- Induction plasma source producing plasmas with reduced impurity content. I, 22:20011
- Influence of longitudinal streams of charged particles on the diffusion of plasma in a stellarator, 25:58975
- Measuring directed flow in plasma confined in toroidal magnetic traps, 24:45223 (NP-18372)
- Plasma induction source with reduced impurity content. II, 24:37497
- Possibility of measuring directed fluxes in a plasma contained in a toroidal magnetic trap, 25:9410 (CTO-736)
- Possible mechanism of plasma diffusion in stellarator L-1, 24:5151 (CONF-690619-15)
- Quasi-stationary electric fields and plasma fluctuations in L-1 stellarator, 23:32389
- Quasi-steady electric fields and plasma oscillations in stellarator L-1, 23:14740 (NP-17762)
- Studies of quasi-steady electric fields and plasma oscillations in a steallarator l-1, 23:42352 (AEC-tr-7054)
- KOST, C. J. Direct reaction process $^{27}Al(p,\alpha)^{24}Mg$ and $^{23}Na(p,\alpha)^{20}Ne$ at 41.3 MeV and 45.5 MeV, 23:40010
  - Reactions $^{19}F(p,\alpha)^{16}O$, $^{12}C(p,\alpha)^{9}B$, and $^{7}Li(p,\alpha)^{4}He$ near 45 MeV, 21:23424
  - Reactions $^{58}Ni(p,\alpha)^{55}Co$ and the $^{59}Co(p,\alpha)^{56}Fe$, 24:43283
- KOST, Cornelis J. Orbit dynamics of Indiana University Cyclotron, 25:50351
- KOST, M. E. Fusibility diagrams of LiH—EuH_2 and LiH—CeH_2 systems, 24:14952
  - Fusion diagram of the LiH—EuH_2 and the LiH—CeH_2 systems, 24:14936
  - Lattice-dynamical investigation of the hydrides CeH_2, CeH_3, ThH_2, and $UH_{2.7}$ using inelastic scattering of cold neutrons, 22:5440
  - Neutron scattering study of niobium hydrides and deuterides, 23:3580
  - Phonon spectra of CeH_2, CeH_3, ThH_2, and $UH_{2.7}$ by means of inelastic scattering of cold neutrons, 21:25832
  - Structure and phase transformations of tantalum hydrides and deuterides, 23:27199
- KOST, P. Prog. rpt. on lightweight cryogenic insulating system, final, 6/30/64—5/31/66, 21:31350 (N-66-30857)
- KOSTA, K. Synthesis and fragmentation of 4-halogen- and 4-tosyloxy-quinuclidine, 25:46393 (ORNL-tr-2505)
- KOSTA, L. Activation analysis for mercury in biological samples at nanogram level, 23:40604
  - Adsorption of V on oxides and its application to analytical separations, 25:12959
  - Beam centering in a neutron generator, 23:34714
  - Determination of nitrogen in plant materials by fast neutron activation analysis, 23:11475
  - Determination of nitrogen in plant seeds by fast neutron activation analysis, 23:31307
  - Impurities in analytical and suprapure reagents application of activation analysis for determination of Cl, As, Cu, Mn, Na, 25:57379
  - Knowledge of the exchange characteristics of difficulty soluble hexacyanoferrates(II), 21:15909
  - Mercury content of some laboratory chemicals and materials determined by neutron activation analysis, 25:46464
  - Neutron activation study of environmental contamination and distribution of mercury in animals and fish, 25:31881
- KOSTA, Lado Comparison of the results of the spectrographic trace determination in uranium, 22:1999
  - Nondestructive determination of fluorine by photon activation using a betatron, 24:38792
- KOSTACOPOULOS, J. Fabrication of boron carbide rings and disks, 23:51093 (LA-4164)
- KOSTAGE, Stephen T. Experimental eosinophilia. IX, 21:43514
- KOSTAKI, P. Measurement of dose to thyroid carcinoma metastases from radio-iodine therapy, 24:23295
- KOSTALAC, B. Reaction $^{130}_{52}Te(t,\alpha)^{129}_{51}Sb$, 24:3921 (CEA-CONF-1331)
  - Reaction $^{130}Te(t,\alpha)^{129}Sb$, 24:43429
- KOSTALAS, H. A. Clear PMMA as a dosimeter in the mixed γ, n field of a reactor, 22:2434
  - Determination of the radio-contaminants in the pool-water of a reactor, 22:35760
- KOSTAMIS, P. Absorption and distribution of /sup 114m/In in rabbits, 25:6626
  - Detection of bone lesions by photoscanning with /sup 87m/Sr, 24:48607
  - Determination of hepatic blood flow in hyperthyroidism with the ^{198}Au blood extraction method, 25:11141
  - Early detection of bone lesions by photoscanning with radioactive /sup 87m/Sr, 23:48136
  - Localization of /sup 87m/Sr in extra-osseous tumors, 25:37843
- KOSTANASHVILI, N. I. Mechanism of pp $\rightarrow \pi^{+}pn$ reaction at 660 MeV, 24:30535
  - Pi^{+} meson production in pp interaction at 660 MeV, 24:8562
  - Production of slow π mesons by 660-MeV protons in interactions with photoemulsion nuclei, 25:53010
  - Production of the underbarrier π mesons in the interaction of protons with energy 9 GeV with heavy nuclei of the emulsion, 22:1384
  - Taking account of particles leaving a detector due to scattering, 23:35514 (JINR-P1-4490)
  - Yield of slow π mesons from nuclear emulsion, 22:39260
- KOSTANASHVILLI, N. I. Particles leaving detector due to multiple Coulomb scattering, 24:11767 (JINR-P1-4815)
- KOSTANECKI, W. Uptake of ^{210}Pb by resting and growing hair, 22:455
- KOSTAREVA, G. V. Strontium-90, Sr, and Ca in certain hydrobionts of the Sea of Okhotsk, 24:27517
- KOSTE, L. Radiation and the detoxication of chemicals, 22:23474
- KOSTEAL, Krista Calcium and strontium metabolism as related to age and alginates, 25:29446
- KOSTELECKY, R. Magnetic susceptibility of Eu_2O_3, 25:27896
  - Magnetic susceptibility of monoclinic Eu_2O_3, 25:1324
- KOSTELNICEK, R. J. Boundary theories for resonance probe, 22:26372
- KOSTELNICEK, Richard John Radiation from an open-ended waveguide into an inhomogeneously filled space, 24:32866
- KOSTENKO, H. D. Diffusion bond in bimetallic castings, 24:10066
- KOSTENKO, P. P. Calculation of flow of dissociated gases in MHD generator channels, 22:41437
  - Study of supersonic MHD-channel flows with compression shock, 25:27489
- KOSTENKO, V. I. Measurement data of some radio sources at the wavelength 5.2 cm, 22:43819
  - Radio emission from Crab Nebula and some quasars, 25:22288
  - Spectra of components of galactic radio source 3C 398 (W 49), 22:45892
  - Spectra of the radio sources 3C 273 and 3C 84 at millimeter and centimeter wavelengths, 21:565
  - Variability of flux densities of some radio sources at frequency of 5760 MHz, 23:36347
- KOSTENKO, V. T. Decrease of irradiation intensity by choice of isotopes, 23:6468
- KOSTER, A. WELWING: computer code for buckling calculations on cylindrical fuel elements, 24:28994 (PEL-183)
- KOSTER, Curtis P. Packaging assembly for radioactive materials, 25:4267
- KOSTER, J. R. Equatorial ionospheric E- and F-region drifts measurements at Tamale, 21:11516
  - Ionospheric studies using tracking beacon on Early Bird, 21:11500
  - Nighttime F-layer irregularities at the equator, 21:11504
- KOSTER, John R. Prog. rpt. on equatorial ionosphere using transmission from active satellites, 2/1/64—4/20/67, 22:36794 (AD-664902)
  - Prog. rpt. on studies of the ionosphere, final, 2/1/64—1/31/66, 21:37274 (AD-650722)
- KOSTER, Robert Instrumenting computer systems and their programs, 25:3981 (UCLA-10-P-14-94)
- KOSTER, Robert A. Low level self-measurement in computers, 24:20678 (UCLA-10-P-14-84)
- KOSTER, Thomas A. Table of hyperfine fields, 25:43469 (UCRL-20411)
- KOSTER, W. Damping in nitrided Fe—Mo and Fe—V alloys, 21:45895
- KOSTERKEVICH, Andzhei Construction, technical characteristics, and use of a whole-body counter, 21:3310
- KOSTERLITZ, J. M. Algebra of currents and Veneziano model, 23:34597
  - Double Regge model of production processes, 23:23527
  - General N-point vertex in a dual model, 24:28632
  - Vector—pseudoscalar scattering and Veneziano model, 24:1572
- KOSTEROVA, N. V. Equilibrium diagram of the system tantalum carbide—rhenium, 24:10083
  - Structure of alloys in system Ta—C—Re, 25:42992
- KOSTESKI, Stanislav Isotope flaw detectors for investigating welded pipe seams and boiler elements, 21:4720
- KOSTIAL, K. Determination of ^{47}Ca and ^{85}Sr in biological samples by direct counting, 23:4964
  - Effect of BADE on elimination of radiostrontium from organism, 23:7944
  - Effect of chelating agents on radiostrontium metabolism, 22:43222
  - Effect of some dietary additives on Ca and Sr absorption, 24:2564
  - Effects of Ca and phosphates on ratio of nonabsorbed Sr to Ca in gut, 23:801
  - Effects of vitamin D and phosphate content of diet on Ca and Sr absorption from gastrointestinal tract, 23:802
  - Influence of some chelating agents on radiostrontium metabolism, 23:38403
  - Reduction of the absorption and retention of strontium in rats, 21:39434
- KOSTIAL, Krista Comparative strontium and calcium metabolism in lactation, 25:42255
  - Dietary phosphorus supplementation on the uptake of radioactive Sr in rats, 21:16266
  - Direct counting of ^{47}Ca and ^{85}Sr in biological samples, 25:18997
  - Effect of alginates from algae on Sr transport through rat's duodenum, 25:42254
  - Effect of lactation on metabolism of calcium, 24:31833
  - Effect of phosphates on Sr and Ca metabolism in control, parathyroidectomized and parathormone-treated rats, 25:37725
  - Strontium and calcium metabolism in rats, 24:23088
  - Toxicity of some new chelating agents for radiostrontium removal, 21:22303
- KOSTIC, E. Grain growth and porosity during sintering of UO_2, 23:44005
- KOSTIC, Emilija Influence of atmosphere on densification during sintering of UO_2, 22:45820
  - Physico-chemical aspects of uranium nitride production, 22:7069
- KOSTIC, Lj. Effect of native isologous DNA on metabolism of DNA in uv-irradiated L cells, 23:11938 (AEC-tr-6646/4A, pp 155-8)
  - Fate of exogenous DNA in uv-irradiated L cells, 23:11933 (AEC-tr-6646/4A, pp 59-62)
- KOSTIC, M. Transformation in U—0.45 percent Mo alloy, 23:22570
- KOSTIC, Petar Surgery displacement of ovaries for irradiation of parametrium for uterine carcinoma, 22:10833
- KOSTIC, S. Radioactive characteristics necessary for studying fission products: beta radiation and conversion electrons, 25:10023 (CEA-N-1372)
- KOSTICH, E. Effect of temperature on sintering of Mo powders, 24:14685
- KOSTIK, R. I. Dependence of the source function on the type of absorption coefficient, 22:8987
  - H/sub α/ line excitation mechanism in solar chromosphere, 21:41706 (NASA-TT-F-455, pp 65-70)
  - Matrix equations for radiation diffusion. I, 23:3240
  - Mechanism of emission border formation in filaments, 21:41703 (NASA-TT-F-455, pp 43-7)
- KOSTIKAS, A. Constant acceleration Moessbauer spectrometer with velocity range selectivity, 24:4480
  - Experimental physics research at the Democritos reactor, 25:28781
- KOSTIKOV, Lev Manipulation and use of atomic nucleus. II, 23:19909
- KOSTIKOV, V. A. Phosphate precipitation as a method of purifying weakly radioactive waste waters, 21:8405
- KOSTIKOV, V. I. Characteristics of porous graphite impregnated with fused zirconium, 25:42948
  - Effect of C on the surface tension and density of liquid V, Nb, and Mo, 25:32703
  - Influence of the nature of a graphite lattice on the rate of impregnation by molten zirconium, 25:58245
  - Interaction between refractory metals and graphite on vacuum deposition, 23:36045
  - Interaction of liquid silicon with refractory metals, 24:6207
  - Mechanism of the adhesion of plasma coatings to a substrate, 23:50995
  - Molybdenum coatings applied to graphite, 24:2936
  - Properties of molybdenum coatings applied to graphite, 24:2909
  - Reaction between tungsten and molten aluminum or silicon oxides, 21:21928
  - Spreading of zirconium between parallel graphite plates, 25:42832
  - Surface tension and density of Si—Zr melts, 24:51165
- KOSTIKOW, L. E. Investigation of the practicability of a reactor installation for sea water desalination, 22:39872
- KOSTIN, A. K. Electron stabilization and ionic reactions in irradiated ketones, 25:165
- KOSTIN, B. F. Search for $\mu^{+} \rightarrow e^{+} + e^{+} + e^{-}$ decay, 25:52999
  - Search for $\pi^{+} \rightarrow e^{+} + \tau$/sub e/ $+ e^{+} + e^{-}$ decay, 25:59255 (BNL-tr-451)
  - Search for $\pi^{+} \rightarrow e^{+} + \tau e + e^{+} + e^{-}$ decay, 25:33528
  - Search for the decay $\mu^{+} \rightarrow e^{+} + e^{+} + e^{-}$, 25:19891 (JINR-P1-5542)
  - Search for the decay $\mu^{+} \rightarrow e^{+} + e^{+} + e^{-}$, 25:59254 (BNL-tr-449)
  - Search for the $\pi^{+} \rightarrow e^{+} + e^{+} + e^{-} + \tau$ decay, 24:51917
- KOSTIN, I. G. Effect of radiation on immunity to Newcastle disease, 24:34156
- KOSTIN, M. D. Chemical kinetics of energetic atoms. IV, 24:36231
  - Linear differential equation for the radial distribution function of quantum mechanics, 25:22656
  - Partial differential equation for the time-dependent probability densities of quantum mechanics, 23:49024
  - Production of energetic atoms by multiple collisions, 23:1206
  - Stochastic method for calculating wave functions, 21:33156
  - Stochastic solution of Boltzmann equation for thermal electrons, 24:19891
  - Transport coefficients and energy distributions of electrons in gases, 22:26253
- KOSTIN, Morton D. Generalization of the variational method of Kahan, Rideau, and Roussopoulos. II, 21:17281
- KOSTIN, N. V. Quantitative determination of thorium and scandium when present simultaneously, 21:16
- KOSTIN, V. I. Outer-sphere interaction in $M_3UO_2F_5$ complexes, 25:41828
  - Sodium pumps of the BN-350, 23:52431 (JPRS-48330, pp 269-92)
- KOSTIN, V. M. Stability of an electron beam with a velocity gradient, 22:3107
- KOSTIN, V. N. Equivalent pressure concept of arc discharge, 23:12807
  - Investigation of high-voltage pulsed discharges in long tubes, 21:44082
- KOSTIN, V. Ya. Angular distribution asymmetry of polarized deuterons elastically scattered on ^{32}S and ^{58}Ni nuclei, 23:10990
- KOSTINER, E. Cosine effect in Moessbauer spectroscopy, 23:30665
- KOSTIR, J. Radiation biochemistry in plants. II, 25:57931
  - Radiation biochemistry in plants. I, 25:57941
- KOSTIR, J. V. Studies on phytohemagglutinins. II, 24:613
- KOSTIUIK, J. Production, reserves, and future sources of U, 23:38126
- KOSTKA, P. 5 MeV electrostatic ion accelerator, 25:50283
  - Calculated properties of a three-electrode "single" lens, 25:20152
  - Corona triode for electrostatic accelerators, 23:46884
- KOSTKA, Pal Determination of ion trajectories in accelerating tubes, 23:19088
  - Electromagnetically operated gas valve for ion source of pressurized Van de Graaff generator, 22:11764
  - Electromechanical switch for the remote control of high voltage equipment, 22:11765
  - Simple-beam indicator for the investigation of ion beams, 23:37061
- KOSTKO, O. K. Feasibility of using resonance-scattering effects to investigate the composition of the upper atmosphere, 25:17034
  - Influence of corpuscular flux and electron phototrapping reactions on the D-layer formation in the ionosphere, 21:37320

KOSTKOVSKII A. Investigations on the origin and detection of cleavage phenomena in tungsten wire, 23:41633

KOSTKOWSKI, Andrzej Causes of longitudinal splitting of tungsten wires, 22:13008

Effect of total distant solar eclipse and solar flares on blood coagulation in normal subjects, 23:22432

KOSTKOWSKI, Henry J. Prog. rpt. on stable uv source and techniques, annual, 1/1/65-12/31/65, 21:6334 (N-66-28024)

KOSTMAN, S. Carbon and N transfer in a type-316 stainless-steel, Nb—1 percent Zr, liquid-K system, 21:14792

MCR fuel-irradiation summary report, 22:32924 (GMAD-3078-30)

MCR liquid metal technology summary report, 22:32926 (GMAD-3078-32(Vol.2))

KOSTOCHKIN, O. I. Kinetic energies and mass distributions of fragments of ^{244}Cm spontaneous fission, 24:38287

KOSTOFF, M. R. Polarization in ^{12}C(p,p)^{12}C, 22:50536

Polarization of protons from ^{12}C(p,p)^{12}C on and near the 9.14-MeV anomaly, 21:21459

KOSTOFF, Morris Raymond Polarizations and cross sections for elastic and inelastic proton scattering from ^{9}Be, 22:18155

KOSTOGAROV, S. B. Beryllium: new construction metal, 23:43973

KOSTOGONOV, V. G. Structural transformations in type Ni_4Mo alloys, 22:7022

KOSTOMAROV, D. P. Boundary value problems of plasma linear electrodynamics, 22:34675

Compression of plasma by growing longitudinal magnetic field in Tokamak, 25:56125

Cyclotron instability of a plasma in magnetic mirror machines, 21:46383

Determination of the spatial distribution of the plasma density by means of phase measurements, 22:46130

Energy balance of plasma in Tokamak-type systems, 25:19654

Extraordinary and plasma waves near the lower hybrid frequency, 21:31456

Flute instability in a rarefied noncompensated plasma, 23:51701

Flute instability in an axially symmetric plasma, 23:12888

Galerkin method for solving problems on stability of inhomogeneous plasma, 21:7294

Low-density plasma in an electric field, 25:49905

Nonlinear flute oscillations of a rarefied plasma, 24:28310

Spatial distribution of effective electron collision frequency in plasma, 22:19957

Velocity distribution of rapid ions with superthermal velocity in a nonisothermal plasma, 25:27722

KOSTON, B. F. Search for $\mu^+ \rightarrow e^+ + \gamma$ decay, 25:33658

KOSTORZ, G. Anisotropy of the upper critical field of superconducting technetium, 25:47469

Flow stress of Nb and Nb—Mo alloys, 24:14792

Resistive voltage in the mixed state of superconducting niobium in the presence of small oscillatory magnetic fields, 25:25068

KOSTORZ, Gernot Mixed-crystal hardening of niobium, 23:8185

Solid solution hardening in Nb and Ta, 23:48484

KOSTOV, Kosta Secular changes in earth's magnetic field in Bulgaria during 1955—64, 22:26306

KOSTOVA, R. V. Extraction of metals by tributylphosphate in the form of their sulphate complexes, 22:23119

KOSTRITSA, A. A. Asymptotic distribution of neutrons in a moving medium, 22:35209

Calculation of ionization of gases by fission fragments, 25:40343

Concerning the cone of radiation in the equation of the kinetic transport equation, 25:9609

Decrease of critical mass of a reactor, 25:28809

Effect of acceleration of the medium on neutron spectra, 24:10896

Effect of nuclear motion on neutron pulse, 25:12350

Entrainment of neutrons by a moving medium, 25:5486

Moments of the distribution function of neutron density, 25:38854

Moments of the distribution function of the neutron density, 25:57179

Neutron velocity spectrum in heavy nuclei, 25:5492

KOSTRITZA, A. A. Neutron transport by a moving medium, 25:28815 (BNWL-tr-66)

KOSTROMIN, A. I. Coulometric titration of Mn(VII), Ce(IV), Cr(VI), and V(V) by electrogenerated V(III), 25:2081

Determination of Mn(II), Ce(III), and V(IV), 24:16420

KOSTROMINA, K. N. Development of radiation therapy in USSR, 25:52147 (A/CONF.49/P-437)

KOSTROMINA, N. A. Separation of the principal levels of Nd in complexes, 22:6305

KOSTROUN, V. O. L subshells in Hg from the decay of ^{198}Au and ^{204}Tl, 25:15015

KOSTROUN, Vaclav O. Beta feeding of the d/sub $^3/_2$/ hole state in ^{47}Sc, 21:9972

L-electron capture decay of ^{194}Hg, 21:44679

Theoretical L_2- and L_3-subshell fluorescence yields and L_2—L_3X Coster—Kronig transition probabilities, 25:38139

Total internal conversion coefficient of the 23.9-keV ground-state transition in /sup 119m/Sn, 22:53208

KOSTROUN, Vaclav Otakar Studies in nuclear and atomic physics utilizing high-resolution semiconductor photon spectrometers, 24:15822

KOSTROV, V. N. Design and principal characteristics of VVER-1000 fuel element, 25:34356 (JPRS-53069, pp 245-8)

Structure and main characteristics of the fuel elements for the VVER reactor, 25:48272

KOSTRZEWA, S. First operating experience with NS Otto Hahn. II, 24:9159

PTB research and test reactor, 21:14098

KOSTRZEWA, Siegfried Reactor installation on nuclear energy research ship, 24:18755

KOSTRZEWA, Siegfried H. Beam tube for a research reactor, 21:5699

KOSTUIK, J. Problems of future U supply from point of view of a Canadian producer, 25:32091

Production, reserves, and future sources of U, 24:41454

KOSTUIK, John Uranium in the seventies, 24:14096

KOSTYAKOV, M. S. Significance of surface contamination by radioactive substances for occupational health, 23:41309

KOSTYAKOVA, E. B. Absolute emission-line intensities in planetary nebulae. III, 22:826

Absolute emission-line intensities in planetary nebulae, 23:25029

Investigation of planetary nebulae in the near ultraviolet region of the spectrum, 25:27338

Physical parameters of planetary nebulae, 22:29086

KOSTYANOVSKII, R. G. Radicals in γ-irradiated hydrates of three-membered cycles, 25:57476

KOSTYGOV, A. S. Radioactive tracer method for determining praseodymium impurity in cerium compounds, 21:32099

KOSTYGOV, K. I. Complete functions in analysis and representation of distant atmospherics, 25:2975

KOSTYGOVA, I. E. Investigation of a supersonic rarefied argon plasma jet, 21:33376

Investigation of the supersonic jet of rarefied argon plasma, 22:5319

Parameters of hydrogen plasma in supersonic spherical source, 24:21793

Population of hydrogen levels in the argon—hydrogen plasma jet, 21:6988

Spectroscopic investigation of supersonic plasma jets, 24:23964

KOSTYLEV, A. M. Low-temperature plasma generators, 23:48916

KOSTYLEV, V. A. Calculation of the sensitivity function of a detecting system with a multichannel ring collimator, 25:42089

Determination of the optimal canal of registration of gamma-radiation in radioisotope diagnosis, 25:42397

Optimization of parameters of collimator for radioisotope scanning, 25:34880

KOSTYLEVA, Yu. G. Maintenance of electron equilibrium in the calibration of dosimeters in gamma radiation beams, 25:57860

KOSTYRKO, A. Radioactive contaminations on site and in environs of Institute of Nuclear Research at Swierk, 25:6698 (INR-1185)

KOSTYRKO, Andrzej ^{131}I content in primary coolant water and in the air under EWA-10 reactor top covers, 25:44155 (INR-1295)

KOSTYRKO, I. I. Group embedding theory and strongly interacting particles, 24:10802 (ITF-69-54)

Possible (7/2)-octet, 21:33710

Problem of correct mass calculation of the $^7/_2{}^-$ multiplet, 24:1609

KOSTYRKO, O. S. Effect of rare earth metals on the gas saturation of steel, 22:19527

KOSTYUCHENKO, E. A. Effects of neutron bombardment on silicon diodes, 22:49173

Influence of neutron bombardment on direct current of silicon mesa-diodes, 23:47915

KOSTYUCHENKO, L. P. Photometric determination of Nb in presence of Ta, Ti, and Fe, 25:51372

KOSTYUCHENKOV, S. D. Particle identification using a cathode-ray tube and mask, 22:47337

KOSTYUK, V. V. Crisis of film boiling in channels, 24:19149

KOSTYUKEVICH, E. A. Track-type plasma accelerator, 24:19915

KOSTYUKOV, N. S. Action of radiation on electrical-engineering porcelain, 24:14997

Effect of high-energy radiation on ceramic dielectrics, 22:20044 (JPRS-44148)

Effect of irradiation with thermal neutrons on certain electric properties of ceramics from pure aluminum oxide, 21:31116

Electrical engineering properties of porcelain exposed to γ-radiation, 25:44751

Insulating materials for operating in a thermal neutron flux, 22:776

Specific volume resistance of steatite ceramics in high-intensity γ fields, 25:9551

Structural changes in some ceramic materials during neutron irradiation, 22:23906

KOSTYUKOV, S. I. Doubled microtron, 22:7584

KOSTYUKOVA, E. S. Small amounts of P in Y and Gd oxides of high purity, 23:4536

KOSTYUKOVA, T. D. Ophthalmological applicators using ^{90}Y, 25:21783

Prevention of complications in the canaliculus lacrimalis in x ray therapy of skin cancer of the internal angle of the eye, 21:6561

KOSTYUKOVA, Yu. S. Ion-acoustic instability in current-carrying plasma, 25:3125

Oscillations of magnetized plasma in a standing wave (TE mode), 25:22565

KOSTYUKOVSKAYA, L. S. Catecholamine content in organs of animals dead from acute radiation sickness, 21:26519

KOSTYUKOVSKII, I. M. Chronic radiation ulcers of skin, 25:597

KOSTYUKOVSKII, Ya. L. Toxicity and radioprotective activity of ammonium and sulfonium compounds, 25:44831

KOSTYUNIN, B. N. Hydraulic drag and heat transfer in turbulent flow of liquids in triangular channels, 25:54884

KOSTYUNINA, G. P. Negative absorption of synchrotron radiation, 23:13015

KOSUGE, K. Electrical properties of V_6O_{13} single crystal, 25:9580

Phase equilibria and thermodynamic properties in V/sub n/O/sub 2n-1/ system, 25:29952

KOSUGE, Koji Phase equilibria study on V/sub n/O/sub 2n-1/ system, 24:19516

Shear structure of V/sub n/O/sub 2n-1/, 24:46795

KOSUGE, Noriyoshi Measurements of mean free path and drift velocity of electrons, 22:17638

KOSUKHIN, V. V. Precipitation of the carbides of refractory metals, 24:14888

Reflection of monoenergetic electrons at 600 to 1200 keV from metals and alloys, 22:45965

KOSULIN, N. S. Change in α-plutonium electrical-resistivity during neutron irradiation in liquid nitrogen, 25:1300

KOSYAK, Yu. G. Interaction between atomic systems in condensed media, 22:19798

Resonance scattering of γ quanta on nuclei with use of condensed sources, 22:44786

KOSYAKIN, M. N. Technological features in step-by-step of production of iris waveguide for traveling-wave electron linear accelerators, 22:15908

KOSYAKOV, V. N. Design of transplutonium laboratory, 24:31562

Methods for separation and refining of transuranium elements, 25:51568 (A/CONF.49/P-689)

Neutron-induced ^{249}Bk fission, 25:3665

Specific safety problems in work with transplutonic elements, 24:31649

KOS'YANOV, A. N. Nonspecific allergic reactions in sheep in chronic radiation sickness, 25:10989

KOSYNKIN, V. D. Investigation of the state of iodine molecules behind a shock-wave front, 21:607

KOSYREV, F. K. Ionization equilibrium in a plasma diode, 22:45997

Ionization equilibrium in plasma diode, 22:2882 (IAE-1160, pp 43-8)

KOSZALKA, Thomas R. Prevention of radiation-induced creatinuria by insulin, 22:31167

KOSZAROWSKI, T. Extension of indications for surgical treatment of breast cancer by intensive preoperative radiotherapy, 23:41402

KOSZTOLANYI, Ch. Individual age determinations of zircons from granitic rocks by means of ^{207}Pb/^{206}Pb ratio, zircons from the Quintin granite, Cotes du Nord, France, 22:6466

Study of an uraninite collected from a pegmatite in Rajasthan (India), 21:45241

KOT, A. A. Feed conditions and water and steam radiolysis suppression at Beloyarsk Nuclear Power Station, 22:35527

Feed conditions at the Novo-Voronezh Nuclear Power Station, 23:5980

Water and water treatment in nuclear power plants, 21:17516 (AEC-tr-6629)

Water control and prevention of water and steam radiolysis at Beloyarsk nuclear power station, 23:28354 (AERE-Trans-1112)

Water regime and suppression of water and steam radiolysis in Beloyarsk nuclear power station, 22:48889

KOT, Janusz Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)

KOT, Ya. Rig for measurements of temperature dependent characteristics of RJ-200 ionization chambers, 24:44255 (INR-1184)

KOTA, J. Elastic form factor for a hindered rotator, 21:27255

High-stability apparatuses to investigate the angular distribution of charged particles of energies 10^{13}—10^{14} eV in the Galaxy, 25:11742 (KFKI-70-21-HEP)

Investigation of 27 day periodicity of cosmic ray intensity 40 m w.e underground, 24:6386 (KFKI-26/1969)

Periodicities of cosmic-ray time series, 24:17706

KOTADIA, K. M. Changes in F2 layer near S/sub q/-current focus during geomagnetic storms, 24:15196

Effects of magnetic storms on F2-layer of ionosphere near the boundary of equatorial zone, 21:33273

Equatorial F2-layer anomaly and q-type sporadic-E layer, 25:9291

Ionospheric effects of nuclear explosions. I, 21:37309

Ionospheric effects of nuclear explosions. II, 22:34371

Lunar tidal variations in equatorial sporadic-E layer, 24:35309

Lunar variation of ionospheric absorption of radio waves at different frequencies, 23:27499

Sporadic-E ionization and anomalous increase in the rate of radar meteor counts during 1963, 21:23093

Sporadic-E ionization over Ahmedabad, 24:1334

KOTAJIMA, K. Angular distributions of gamma rays produced in reactions with heavy ions, 21:15595

Magnetic solenoid electron transporter, 24:26559

Statistical model analysis of fluctuations in elastic and inelastic proton scattering on ^{54}Cr and ^{54}Fe, 24:1787

KOTAJIMA, Kyuya Decay of relatively-short lived nuclides, 24:49868

KOTAKA, Hisao Radiochemical studies on surface contamination of "KUR" fuel, 23:15812 (KURRI-TR-3)

KOTAKA, Sadao Mechanism of air-ion-induced growth stimulation in H. vulgaris, 21:30930

KOTALIK, J. Recovery from radiation damage in mammalian cells, 25:11092 (BNL-50203, pp 41-53)

KOTANI, H. Some face-centered-cubic mixed rare-earth dicarbides, 25:773

KOTANI, Koichi Calibration of the large, flow-type ionization chamber for monitoring the KUR stack gas, 23:13985 (KURRI-TR-5)

Production of submicrosecond ion pulses, 21:44485

KOTANI, Kouichi Response time of ion beams in a PIG ion source, 23:49286

KOTANI, Naomi Spectrochemical analysis of Ti and its alloy. IV, 25:2097

Spectrochemical analysis of Zr and its alloy. V, 22:47097

KOTANI, Tsuneyuki Impact parameter formalism, 23:17006

Impact parameter formalism. IV, 21:7565

- Impact parameter representation of scattering problem. II, 22:32228
- Impact parameter representation of the scattering problem, 22:29769
- Unitarity relation in an impact parameter representation, 21:13739

- KOTANSKI, A. anti K^-p and anti pp elastic scattering, 24:15585
  - anti K^-p and anti pp elastic scattering and shadow of generalized annihilation processes, 24:49510
  - Decays of interfering resonances and statistical tensors, 25:59461
  - Dolen—Horn—Schmid duality, 24:13029 (INP-682, pp 156-67)
  - Kinematical analysis of two-body processes at high energies, 21:4006
  - Kinematical singularities in cross sections and density matrices, 22:32217
  - Kinematical singularities of the scattering amplitudes, 22:20338 (INP-555/PH, pp 213-22)
  - Kinematical singularities of the transversity amplitudes, 22:41874
  - Loops in partial wave expansion of asymptotic amplitudes, 23:5696
  - Physical bounds for the components of statistical tensors, 25:3296
  - Physical bounds for the components of statistical tensors, 25:3295 (TPJU-12/70)
  - Polarization experiments and the additivity assumption of the quark model, 23:42674
  - Polarization of Λ- and Σ-hyperons in two-body $Y_1^*(1385)$ production processes, 24:52104
  - Polarization parameters and resonance decay distributions in high-energy two-body processes. II, 22:20241
  - Polarization parameters and resonance decay distributions in high-energy two-body processes. I, 22:20273
  - Quark model additivity frame, 25:28017
  - Quark model predictions for photoproduction of resonances, 24:32985
  - Reaction $\pi(K) + p \rightarrow \pi(K) + N^*$ and the one-particle exchange models, 21:7515
  - Regge recurrences and π-p elastic scattering at high momentum transfers, 21:23338
  - Simple method of presenting joint decay distributions for pairs of resonances, 22:24629
  - Simple method of presenting joint decay distributions for pairs of resonances, 22:39405 (TPJU-15/67)
  - Top position of the loops in Regge partial waves, 23:13140
  - Transversity amplitudes and application to collisions of particles with spin, 24:32980
- KOTANSKI, Andrzej Fundamental concepts of the group theory applied in the elementary particle physics, 21:9816
  - Polarization of Λ and Σ hyperons in two-body Y^* production processes and quark model, 25:3383 (TPJU-2/70)
  - Predictions for decay distributions of resonances produced in the reactions $0^-\ 1/2^+ \rightarrow 1^-\ 3/2^+$ with polarized initial baryons, 24:13092
  - Quark model predictions for joint decay distributions, 24:1596
  - Scalar amplitudes for two-body processes and the quark model, 23:42648
- KOTAS, J. Dose determination in the rectum and urinary bladder for gynecological radium implantations, 21:36607
- KOTAS, P. Activation analysis of trace impurities in SiO_2 and Si_3N_4, 25:4045
- KOTATKO, J. Application of the radioprotective substance aminoethylisothiourea Br IBr (AET), 21:18097
  - Utilization of radioprotective compound AET, 23:43801
- KOTB, M. A. M. Application of the plasma-quenching effect for emergency and accident radiation monitoring, 25:58017
- KOTCHETKOV, O. A. Arguments for the establishment of standards for inert radioactive gas, 23:14198
- KOTCHKIN, V. A. Differential converter for nuclear level lifetime measurements, 23:29269
- KOTECKI, D. J. Effect of container capacitance on thermal transients in plane walls, cylinders, and spheres, 23:31476
- KOTEGOV, K. V. Technetium, 23:21647
- KOTELCHUCK, D. Determination of the Σ^+ magnetic moment using the reaction $K^- + p \rightarrow \Sigma^+ + \pi^-$ at 1.15 GeV/c, 21:31522
  - Measurement of the Σ^+ magnetic moment using the reaction $\gamma + p \rightarrow \Sigma^+ + K^0$ near threshold, 21:31521
  - Search for a conserved-vector-current mechanism in the emission of protons from μ^- stars in emulsion, 22:14034
- KOTELKIN, A. S. Mechanism of joint formation in the solid-state welding of Nb/Al oxide composites, 23:27023
- KOTEL'MAN, V. Ya. Use of resistance thermometers in nuclear reactors, 25:41621
- KOTEL'NIKOV, G. A. Determination of oxygen content in germanium and silicon by activation by ^{3}He ions, 22:16413 (IAE-1165)
  - Determination of the O content in germanium and silicon by activation with ^{3}He ions, 22:6278
  - Fuel element burn-up determination with semiconductor Ge γ spectrometer, 21:21805
  - Investigation of gamma rays from ^{196}Pt by means of spectrometer with a Ge—Li detector, 21:44690
  - Investigation of growing non-hermeticity of fuel element cans by means of ^{85}Kr, 24:43764 (IAE-1893)
  - Study of development of leaks in fuel element cladding by means of ^{85}Kr, 25:54904
  - Use of gamma spectrometer to control activity of heat-transfer medium in reactors, 25:31680
- KOTEL'NIKOV, G. N. Possibility of the endogenous origin of some secondary uranium minerals, 25:29232
  - Vein solid bitumens in uranium deposits, 22:42888
- KOTEL'NIKOV, K. A. Characteristics of inelastic nuclear interactions of cosmic-ray particles at 10^{11} to 10^{13} eV, 24:21931
  - Comparison of experimental data on showers having energies of several hundred GeV with simulated showers calculated by Monte-Carlo method, 22:46361
  - Methods for treating experimental data obtained by means of Wilson chamber, 25:1359
  - Nuclear cascade process in an ionization calorimeter, 21:28263
- KOTEL'NIKOV, L. A. Photoactivation analysis of an antimony-phosphorus ion exchanger, 25:44345
  - Photoactivation analysis of antimony—zirconium ion exchangers, 23:43284
  - Photoactivation determination of oxygen in compounds with iodine, 25:15534
- KOTEL'NIKOV, N. G. Spark chamber as shower detector of high-energy electrons and photons, 21:6242
- KOTEL'NIKOV, R. B. High-temperature nuclear fuel, 23:30169
  - Highly refractory elements and compounds, 25:32699
- KOTEL'NIKOV, V. A. Debye—Waller factor and lattice parameter of small metal particles, 25:45596
  - Low-frequency resonant electric oscillations in the flow of nonisothermal plasma, 23:51671
- KOTEL'NIKOV, V. P. Use of slow-scan television system in reading out spark chamber data, 21:19921
- KOTEL'NIKOV, V. V. Use of emission peaks of xenon proportional counters for x-ray-radiometric determination of tungsten in ores, 25:20931
- KOTEL'NIKOV, Yu. N. Material balance between the plasma filament and gaseous shell in Tokamak-3, 21:18631
  - Material balance of plasma column and gas sheath in toroidal apparatus-Tokamak-3, 25:19657 (MATT-Trans-16)
  - Measurement of density of neutral gas in operating regime of PR-5 installation, 22:45375
  - Noise-immune ionization manometer for plasma equipment, 22:47418
  - Noise-immune very-high-vacuum manometer with double modulation of ion current, 22:47425
- KOTELNIKOVA, G. V. Inelastic scattering of fast neutrons by Cr, Ni, Y, Zr, and W nuclei, 25:14967
  - Inelastic scattering spectra of 14.1-MeV neutrons and nuclear level densities, 21:12063
  - Interaction between 14-MeV neutrons and nuclei of Fe, Cu, and Nb, 25:56684 (FEI-216)
  - Interaction of fast neutrons with Fe, Cu, and Nb nuclei, 25:25685
- KOTEN, J. W. Histopathology of actinic cheilitis, 22:45700
- KOTENKO, L. P. Primary specific ionization of relativistic particles in gases, 23:32174
  - Relativistic increase and plateau of track density in bubble chambers, 21:24197
  - Relativistic increase in track density in propane bubble chambers, 23:45550
  - Relativistic increase of ionization and sensitivity of nuclear emulsions, 25:34937 (CERN-Trans-71-9)
  - Relativistic rise of track density in bubble chambers and polarization effect, 21:16120 (CONF-660918-, pp 140-4)
  - Spark chamber filled with neon together with admixtures of ethanol and water vapors, 21:30703 (ANL-Trans-426)
  - Wide-gap spark chamber filled with neon and ethanol or water vapors, 21:39234
- KOTER, Maria Effects of gamma- and x-irradiation on nucleotides of lymph nodes, 24:34102
- KOTERA, N. Improvements in both energy and direction dependence of Mg_2SiO_4 thermoluminescent dosimeter, 25:44701
- KOTERA, Noboru Thermoluminescence of Y_2O_3—Al_2O_3:Tb phosphors, 23:7805 (CONF-680920-, pp 27-42)
- KOTEREV, I. A. Deformation of Nb-base alloys, 24:17295
- KOTESKI, R. A. Cylinder decontamination, 2.5-ton standard operating procedure for Oak Ridge Gaseous Diffusion Plant, 23:29117 (K-P-3505(Rev.1))
- KOTESWARA RAO, N. V. Sequent correlations in stochastic point processes. III, 23:21067
- KOTFILA, R. Elastic properties of a W—Ag composite, 21:18273
- KOTFILA, R. J. Behavior of composite Ag-infiltrated W, 23:48427
  - Improved tungsten forgings, 23:48364
  - Measurement of infiltrant loss from infiltrated refractory metal composites at high temperatures, 21:9158
- KOTHARI, D. S. Ground-state of interacting bosons, 21:21148
  - Nuclear explosions, 23:4762
  - Some properties of radiation, 23:12997
- KOTHARI, L. S. Comparison of neutron transport and diffusion theories of isotropic scattering, 22:13911
  - Neutron diffusion across a medium discontinuity, 24:6820
  - Neutron diffusion across a temperature discontinuity in crystalline moderators, 22:14300
  - Neutron scattering from n-dimensional lattice (n = 1,2,3), 22:24797
  - Neutron-wave propagation in crystalline moderators. IV, 23:44819
  - Neutron-wave propagation through a crystalline moderator. I, 22:18094
  - Neutron-wave propagation through crystalline moderator. II, 22:48440
  - Neutron-wave propagation through crystalline moderator. III, 23:8913
  - New variational method for the pulsed-neutron problem, 25:31175
  - Physical criteria for limiting critical frequency of neutron waves, 23:17054
  - Pulsed neutron problem in ice, 24:24491
  - Slowing-down and heating-up of neutrons in beryllium, 22:30376
  - Study of transient neutron spectra in beryllium assemblies, 22:24798
  - The 'heating up' of neutrons in crystalline moderators, 21:42541
  - Transient neutron spectra and the slowing down relaxation time in beryllium, 21:15473
  - Transient spectra in beryllium, 21:35400
- KOTHARI, N. C. Densification and grain growth during liquid-phase sintering of tungsten—nickel—copper alloys, 21:41611
  - Grain growth during sintering of tungsten, 21:26812
- KOTHBAUER, Alexander Nuclear power plants in Austrian electric industry, 23:13374
  - Nuclear power station in Austrian electricity economy, 22:48691
- KOTHNY, Evaldo L. Air pollution, 25:31774
- KOTICK, B. J. Polarization analysis of natural and artificially induced geomagnetic micropulsations, 21:29143
- KOTII, V. N. Effect of unithiole on the chromaffin tissue of the adrenals in acute radiation sickness,• 25:39915
- KOTIK, D. S. Refraction and reflection of an Alfven wave at plane boundary, 25:47419
- KOTIKOV, P. I. Monitoring of boiling-type atomic power stations environment, 24:45991
- KOTILA, C. L. Ultraviolet spectrophotometry of Canopus from Gemini XI, 24:19579
- KOTIN, E. B. Structure of products formed during low-temperature polymerization of γ-irradiated crystalline acrylonitrile, 25:23595
- KOTINA, I. M. Gamma spectrometry on basis of Ge irradiated with neutrons, 23:33490
  - Kinetics of impurity photoconductivity in Si containing radiation defects, 21:16993
- KOTKHEKAR, V. Isomer chemical shifts of Moessbauer γ line in isoelectronic antimony compounds, 22:11510
  - Isomer shifts of Moessbauer γ line in trivalent antimony halides, 22:44244
- KOTKOVA, E. Isotope renography in diagnosis of renovascular hypertension, 23:29653
- KOTLAR, Alain Determination of the limits of the phases in the system U—O by O transfer, 22:35786
  - Determination of the partial pressures of O in U—O. II, 21:45118
  - Partial pressures of O in equilibrium with oxides of system U—O. I, 21:32168
- KOTLENSKY, W. V. Effect of B level on graphitization of B pyrolytic graphite, 22:13053
- KOTLER, Gerald D. Second phase dissolution, 25:24659
- KOTLER, M. Leukemogenic filterable agent from reticular cell neoplasms, 23:33850
- KOTLICKI, A. Moessbauer study of proton irradiation effects in ferrous sulfate, 25:29151
- KOTLINSKA, B. Internal-conversion studies of high-energy transitions in ^{229}Th, 25:50727
  - Levels in ^{159}Tb, 23:44896
- KOTLINSKA-FILIPEK, Barbara Preparation of high purity carrier-free ^{131}Cs source for spectroscopic measurements, 25:54889 (INR-P-1325)
- KOTLYAR, A. A. Determination of the spectral coefficients of emission of tantalum—niobium alloys, 23:51804
  - Rhenium diffusion in tungsten, 22:17135
  - Thin structure of deformed and annealed W monocrystals, 25:698
- KOTLYAR, A. G. Properties of ZrO_2—Y_2O_3 systems containing other oxides, 24:51224
- KOTLYAR, E. E. Investigation of some properties of carbides of transition metals of the 4th and 5th group and phase analysis of their alloys, 21:41663
  - Phase composition of ZrO_2—ZrC and ZrO_2—TiC alloys, 21:26921
  - Reaction of ZrO_2 with Ti, Nb, and Cr carbides, 21:18348
- KOTLYAR, E. V. Obtaining of monochromatic gamma-quantum beam in $^7Li(p\gamma)^8Be$ reaction, 23:39940
- KOTLYAREVSKII, D. Interaction of 120 MeV K/sub L/°-mesons with Ar, Cu, Pb nuclei, 21:33699 (JINR-P1-3375)
  - Interaction of K^0/sub L/ mesons (mean energy 120 MeV) with nuclei Ar, Cu, and Pb, 22:13986
  - Search for long lived Λ^0 hyperons, 21:31523
- KOTLYAROV, E. V. Diagnostic value of radioisotope investigation of in vivo thyroxine metabolism in thyrotoxicosis, 24:23266
  - Technetium-99m scanning of thyroid gland, 23:43817
- KOTLYAROV, K. A. Proportional 4π-counter for measurements of low beta-activities under marine conditions, 21:8583 (AEC-tr-6641, pp 185-91)
- KOTLYAROV, R. V. Obtaining highly pure cerium oxide by the extractions method, 23:43396
- KOTLYAROV, V. T. Determination of errors during work with pulsed sources of radiation, 23:33391
- KOTNIK, J. T. SERT I ion rocket flight test, 22:13298
- KOTO, N. Critical current densities in superconducting Nb films, 23:5353
- KOTOK, E. V. Early evolutionary stages for a star of 30 solar masses, 21:561
  - Nitrogen burning in massive stars, 21:16741
- KOTOKU, Takeshi Conversion of UF_6 to UO_2 in Japan, 24:34937
- KOTOMIN, A. V. Uv radiation effects on sperm of Misgurnus fossilis, 23:45715
- KOTOMINA, I. F. Influence of puromycin and 5-fluoro-2'-deoxyuridine on processes of formation of chromosome rearrangements in irradiated seeds, 23:29442
  - Influence of radiation on crepis capillaris, 24:23176
- KOTOMOROV, D. P. Tokamak as comparison with other CTR devices, 25:25153
- KOTORA, J. Jr. Evaluation of magnetic pulse forming as a joint fabrication technique for CP-5 fuel elements, 22:202 (ANL-7343)
- KOTORA, James Jr. Sodium can fabrication for zero power reactors VI and IX, 21:16581
- KOTOSONOV, A. S. Effect of boron on certain physical characteristics of synthetic graphites, 25:29946 (SC-T-713023)

Effect of boron on some physical characteristics of artificial graphites, 25:29953
KOTOULAS, Angeliki O. Detection of antibody to hemocyanin by direct solid-phase (polystyrene) radioimmunoassay and gel filtration, 25:44753
KOTOV, A. A. Composition and excitation energy of fissioning nuclei in irradiation of ^{209}Bi and ^{197}Au 1 GeV photons, 25:10037
Mass and energy distributions of photofission fragments of ^{238}U, ^{209}Bi and ^{197}Au nuclei, 23:15434 (UCRL-Trans-1383)
Mass- and energy-distributions of fragments at photofission of ^{238}U, ^{209}Bi, and ^{197}Au nuclei, 23:47022
Reaction ^{12}C(π^+,2p)d2α at π^+-meson energy of 117 MeV, 22:48469
KOTOV, A. G. Effect of unshared electron pair of nitrogen atom on photochemical properties of radicals in irradiated amines, 24:33732
EPR study of radioactive MgSO$_4$ catalysts, 24:20828
Investigation of the mechanism of radiation-catalytic processes on synthetic zeolites by the EPR method, 22:23061
Investigation of the nature of radiation-catalytic processes on zeolites, 21:37622
Paramagnetic centers in irradiated synthetic zeolites, 24:38963
Photochemistry of free radicals, 24:13959
Photolysis of alcohols adsorbed on γ-irradiated silica gel, 24:41372
Radiolysis of ammonia adsorbed on zeolites, 21:3098
Recombination of radicals and formation of glycols during radiolysis of binary alcohol solutions, 21:3127
Surface centers of γ-irradiated silica gels, 24:41369
Transformations of free radicals under the action of light in gamma-irradiated methylamines, 21:23913
KOTOV, A. P. Application of water-moderated and cooled reactors in small nuclear power plants, 23:31219
KOTOV, B. A. Comparison of spectra of cold neutrons scattered by amorphous and crystalline selenium, 21:46416
Measurement of spectra of thermal oscillations with coherent inelastic scattering of neutrons in polycrystals, 21:44540
Measuring thermal vibration spectrum using coherent inelastic neutron scattering from polycrystalline sample, 21:31481
Pulse generator for time analyzer, 21:6295
KOTOV, B. V. Mechansim of low-temperature radiolysis of poly(vinyl chloride), 21:24027
Protecting effect of some organophosphorus compounds in the radiation degradation of polymethylmethacrylate, 22:16587
KOTOV, G. N. Effects of the oxidizing reactions when high-temperature alloys are welded on the structure and properties of the deposited metal, 23:6672
Rate of fusion of welding electrodes, 23:24880
KOTOV, M. M. Variation of oak seedlings grown from x-irradiated acorns, 24:2830
KOTOV, N. N. Excretion of pseudouridine in the urine of tumor-bearing rats prior to and after general irradiation, 23:2944
KOTOV, V. A. Magnetic field and electric currents of the unipolar sunspot, 25:35751
Magnetic field of the solar prominence, 24:17532
Simultaneous measurements of polar magnetic fields at Crimea and Mount Wilson, 25:13873
KOTOV, V. I. Chromatic aberrations in magnetic optics, 21:29773
Determination of maximum electric field in disk-loaded wave-guides in E$_{01}$ mode, 24:45656 (SLAC-Trans-118)
Focusing and mass separation of high-energy particles, 24:22046
Focusing properties of a helical quadrupole lens, 25:36624
High intensity (10-16) GeV/c negative particle beam, 25:43729 (CERN-Trans-71-16)
Influence of magnetic field perturbations of particle focusing in quadrupole lenses, 22:11748 (IFVE-OP-67-22-k)
Investigation of EH$_{11}$ hybrid wave in septate waveguide, 22:39534
Isochronous magnetic optical systems, 25:5447 (IFVE-OP-69-68)
Removal of nonlinear effects in deflecting magnets, 21:11893
KOTOV, Yu. D. Cosmic muons and neutrinos, 25:56469
Electron and muon pair production by cosmic-ray muons, 23:36889
Energy and angular distribution of high-energy muons, 22:13267
Intensity and angular distribution of muons under ground, 23:6901
Muon energy losses due to the pair production, 22:24611
Penetrating component of cosmic rays at 130 mwe, 22:13266
Possibilities of investigating cosmic muons using a complex installation, 24:46514
Search for heavy particles at sea level, 23:51835
Study of high-energy muons at a complex installation, 21:29038
KOTOVA, E. S. Functional changes in eye of rabbits irradiated with various doses, 22:23665
State of the cardiovascular system of animals in very severe radiation sickness, 22:23660
Working conditions and health of workers at United Inst. of Nuclear Research, 22:31268
KOTOVA, L. P. Angular distribution in inelastic atomic collisions, 23:3285
Quasiclassical approximation in ionization problems, 22:31633
Resonance ionization of atoms in the field of a strong electromagnetic wave, 21:20789
Theory of anomaly of differential scattering cross sections for high-energy atoms, 25:58767
Use of Faddeev's equation to calculate scattering length of electrons on H, 24:45033
KOTOWSKI, S. Radioactive raw phosphate materials in Polish sea transport, 24:6040
KOTRAPPA, P. Calculation of the burden and dose to the respiratory tract from continuous inhalation of a radioactive aerosol, 23:45760
Production of relatively monodisperse aerosols for inhalation experiments by aerosol centrifugation, 25:29421 (LF-43, pp 8-12)
Production of relatively monodisperse aerosols for inhalation experiments by aerosol centrifugation, 25:54982
Revision of Lippmann—Harris calibration of two stage sampler using shape factors, 25:23927
KOTRC, S. Heat treatment of steel components in water—air dispersion, 24:39634 (ZJE-77)
KOTRNOCH, Josef Investigation of gas flow by means of freon, 22:1831
KOTSAKIS, B. Remark on the analyticity of quantum electrodynamics in α, 21:961
KOTSAKIS, D. Escapes and captures, 23:18314
KOTSALO, Kustaa High energy therapy for recurrences of carcinoma of the cervix uteri, 22:49454
KOTSARENKO, N. Ya. Analysis of the dispersion equation for a beam—plasma system confined in a magnetic field, 22:44118
Criterion for absolute and convective instabilities, 24:49186
Effect of electron collisions on instabilities in beam—plasma systems, 25:22499
Excitation of ionic—acoustic instability in the field of a strong electromagnetic wave, 22:15521
Excitation of longitudinal oscillations of a magnetized plasma by a transverse electromagnetic wave, 25:9518
Formation of inhomogeneities in interplanetary plasma, 25:22444
Generation of ion-acoustic waves in space, 25:33343
Incoherent reflection of electromagnetic waves from a plasma, 24:1466
Interaction of the spiraling electron beam with electromagnetic waves propagating obliquely to the magnetic field, 25:25274
Isolation and amplification of the difference frequency in a plasma-beam system, 21:18716
Mechanism for formation of homogeneities in interplanetary plasma, 24:17800
Propagation of surface waves in a magnetoactive plasma, 24:37506
Redistribution of electron and ion densities in plasma by uhf field, 21:46355
Resolution of the dispersion equation for plasma—beam systems with consideration of colliding electrons, 24:40088
Stationary distribution of a plasma in the field of a strong electromagnetic wave, 21:23191
Surface waves in a magnetized plasma, 25:59092
Theory of spatial amplification of waves in the electron beam—plasma system, 22:5340
Theory of the electromagnetic fluctuations in a half-bounded plasma, 22:1242
Theory of the multiplication and extraction of the difference frequency in a plasma-beam system, 21:46352
KOTSCH, E. Radiation defects in organic single crystals, 25:21007
KOTSCH, Heinz Investigations of high-temperature materials based on borides, 23:48547
Powder metallurgy crucible materials for the melting and evaporation of metals, 22:43654
KOTSEV, I. N. Radio lines of the interstellar NO molecule, 23:36349
KOTSUBANOV, V. D. Behavior of a high-temperature plasma under current heating in the high-shear stellarator Uragan, 25:38378 (CONF-710607-111)
KOTSYUBINSKII, N. N. Action of Σ-aminocaproic acid in combined radiation damage, 25:39887
KOTSYURBA, V. A. Effect of radioactive irradiation on cardiac glycosides, 25:15687
KOTT, J. Calibration of radial reactor calorimeters, 24:7656 (UCRL-Trans-10417)
Calorimetric measurements in nuclear engineering, 24:46517 (ZJE-84)
Determination of 10 trace elements in biological materials by the method of neutron activation analysis, 24:2153
Development of calorimetry in Skoda Nuclear Power Plants Div, 24:29597 (ZJE-70)
Experience in the manufacture of neutron source sealed by weld, 24:46437 (ZJE-80)
Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
Reactor calorimeter calibration theory, 23:47343 (ZJE-49)
Reactor calorimetry, 22:18590 (UCRL-Trans-10217)
Skoda zero power critical assembly, 24:47909 (ZJE-78)
Spectrocalorimetric measurements in core of heavy water reactor, 25:57123
Test equipment design for direct determination of fission energy distribution in a fuel element of the first Czechoslovak Nuclear Power Plant, 24:52747 (ZJE-88)
Trace elements and neutron activation analysis in biology and medicine, 21:40799
KOTT, Josef Calorimetric probes for in-pile measurements, 22:27442
Design of Skoda reactor calorimeters, 23:24475
Reactor calorimeter calibration theory, 22:39918
Spectrocalorimetric measurement of energy-flux density of the photon field in the active zone of a reactor, 22:30333
Use of calorimetric sounds in in-pile technique, 23:24471 (ZJE-28)
KOTT, V. N. Determination of water-soluble products of the radiolysis of phosphate cation exchangers, 23:43376
KOTTER, L. Decontamination of ^{137}Cs incorporated into meat, 25:24137
Distribution of ^{137}Cs in cattle, 25:24018
Inspection and evaluation of meat with respect to radioactive contamination, 25:24140
Varying ^{137}Cs contamination of wild game, 25:24138
KOTTHAUS, R. Small momentum transfer π^+ production with linearly polarized photons, 25:7527 (DESY-70/54)
KOTTKE, Michael Infrared window assembly for ultrahigh vacuum systems, 25:46616
KOTTKE, V. Heat transfer on fins and model finned-tubes, 24:24927
KOTTLER, Carl F. Jr. Radiation shielding considerations for interplanetary spacecraft, 21:10197 (N-66-32206)
Radiation shielding considerations for interplanetary spacecraft, 21:12846
KOTTLER, H. Dominance of u-channel exchange amplitudes in elastic scattering, 21:25281
Internal symmetry crossing matrices for an arbitrary compact group, 22:50424
Low-energy theorems for pion—nucleon scattering, 23:23493
Pomeranchuk theorem and Pomeranchuk—Okun rule, 24:26441
Statistical model for high-energy reactions, 22:50408
KOTTLER, Herbert Consequences of properties of internal symmetry crossing matrices, 22:13861 (COO-1573-31)
KOTTMEIER, H. L. Radiation response and sensitization response studies, 21:16396
KOTTON, E. Studies of two-partially vacant states, 23:10986
KOTTOWSKI, H. Boiling of liquid alkali metals, 21:6134 (ANL-Trans-390)
Boiling of liquid alkali metals, 21:28162
Formation of a remaining liquid layer during boiling of alkali-metals, 24:25202
Measurements of the superheating and studies about boiling phenomena in liquid metals, 22:51170
Superheat measurement and study of liquid metal boiling, 22:20833
KOTTOWSKI, Heinz Boiling of alkali metals, 23:15636
Detection of boiling in liquids, 23:45468
Nuclear reactor with liquid cooling, 23:40353
KOTTRA, L. L. Estrogen pharmacology. III, 21:22227 (ACRH-26, pp 65-9)
KOTTWITZ, D. A. Dispersion characteristics of Columbia River between river miles 383 and 355, 25:6422 (BNWL-1477)
Monochromatization of neutrons by multiple Bragg reflection, 23:39918
Tandem method for finding unconstrained minima in nonlinear least-squares problems, 25:46359 (BNWL-1590)
KOTUKHOV, I. I. Differential cross sections of small-angle neutron scattering and neutron polarizability, 25:25771
Prompt neutron yield in ^{235}U fission, 25:36786
KOTULOVA, Daniela Protease activity changes in rabbit lung macrophages, spleen cells, and polymorphonuclear leucocytes after whole-body x-irradiation, 25:27035
KOTUROVIC, A. Health physics instrumentation and systems, 25:51846 (A/CONF.49/P-352)
KOTVAL, P. S. Carbide precipitation on imperfections in superalloy matrices, 22:49851
Microstructure of superalloys, 23:30051
Stacking fault energy of Ni-base superalloy, 23:34013
Strengthening of nickel-base superalloys by precipitation of a body-centered tetragonal γ'' phase, 25:35302
KOTYK, M. Study of filled Ti$_2$Ni-type phases with Hf, Ta, and W, 24:25793
KOTYK, Michael Eta oxides and nitrides of hafnium—nickel, tantalum—nickel, and tungsten—nickel, 24:46799
KOTYLAK, Zbigniew Mutants in Saccharomyces cerevisiae. II, 23:24600
KOTYZA, Vojtech Rated parameters at power station A-1, 25:44021
KOUBA, C. C. Design study of electrical component technology for 0.25 to 10.0 megawatt space power systems, 22:30281 (SAN-679-6)
Electrical component technology for 0.25 to 10.0 megawatt space power systems: experimental verification, 22:25575 (SAN-679-7)
Magnetic force unbalance and flux distribution in inductor alternators, 22:37902 (CONF-680802-2)
KOUBA, J. Model calculations of primary hydrogen isotope effects, 22:4112
KOUBSKY, Pavel Progress in cosmic astronomy, 24:44833
KOUDELKA, J. Effect of visible light and uv light on phage, 21:13080
Radiosensitivity of some phages of S. marcescens and E. coli, 21:11146
KOUIMTZIS, Th. Study on complexes of Fe^{3+}, Cu^{2+}, and UO$_2^{2+}$ with benzanilidoxime, 24:11521
KOUKALOVA, Blazena Proliferative ability of irradiated bone marrow with a different incidence of spontaneous chromosomal aberrations, 21:30895
Proliferative ability of x irradiated bone marrow from donors of different ages, 21:11060
KOUKI, T. Comparison of some deuteron wave functions, 24:40689
Nuclear lifetimes in ^{37}K and ^{39}K, 25:17852
KOUKOL, Dennis C. Radiation sensitivity in diabetes, 21:20361
KOUL, M. K. Omega phase embrittlement in aged Ti—V, 24:32404
Phase transformations in beta isomorphous titanium alloys, 24:32444
Reply to comments on phase transformations in beta isomorphous titanium alloys, 25:4806
KOULKES, Anne-Marie Gamma radiolysis of K ferro- and ferri-cyanide solutions. II and III, 21:3102
KOULKES-PUJO, A. M. Effect of temperature and concentration on the radiolytic reduction of aqueous solutions of gold chloride, 21:23964
Kinetic study of the radiolysis of dilute aqueous bromide solutions in the presence of hydrogen, 21:8381
Pulse radiolysis of dimethyl sulphoxide, 25:51537

- KOULKES-PUJO, Anne-Marie Chemical effect of γ radiation from ^{60}Co on aqueous solutions of gold chloride. II, 21:23921
  - Determination of the ratio of the velocity constants of nitrogen protoxide and of nitrate ions with solvated electrons, 21:8382
  - Morphological study of precipitate of metallic Au formed by irradiation of solutions of Au chloride, 22:40133
  - Pulse radiolysis study of transitory species Au II, 25:8306
  - Radiolysis of mixture Fe^{2+}—Fe^{3+}—O_2—Cu^{2+} in aqueous and sulfuric acid solution, 22:51022
- KOULOUMDJIAN, J. Asymmetries produced by 28-MeV vector-polarized deuterons in elastic scatterings on ^{12}C, ^{28}Si, ^{40}Ca, 24:38099 (LYCEN-7021)
  - Elastic scattering $^{12}C(d,d)^{12}C$, $^{28}Si(d,d)^{28}Si$, and $^{40}Ca(d,d)^{40}Ca$, 25:3585
  - Polarized deuteron source for a synchrocyclotron, 24:30618
- KOULOUMDJIAN, Jacques Development of source of polarized deuterons for a synchrocyclotron, 25:12309 (LYCEN-6909)
- KOUMANI, Georges Advances in bronze and copper alloy foundry technology, 23:24827
  - Progress in casting techniques for bronzes and low-alloy coppers, 23:3037
- KOUMOUTSOS, N. Study of bubble departure in forced-convection boiling, 22:27998
- KOUMP, V. Rate of oxidation of graphite in carbon dioxide, 22:52232
- KOUNICKY, J. Attempt to prepare martensite with improved mechanical properties, 23:34092
- KOUNOSU, S. Determination of beta decay rate of the sigma hyperon and the $\Delta S = \Delta Q$ rule, 22:34838
- KOUNTZ, S. L. Technetium-99m (V): citrate complex for estimation of glomerular filtration rate, 21:45715
- KOUPTSIDIS, Johannes Accommodation of rare gases on pure tungsten and molybdenum surfaces at room temperature, 22:2068
- KOURA, Katsuhisa Mott—Smith solution of Fokker—Planck equation, 25:14295
- KOURGANOFF, V. Initiation of the general theory of particle transfer, 22:44288
  - Introduction to the general theory of the particle transport, 22:22267
- KOURI, D. J. Rotational resonances in electron—diatom scattering, 23:10450
- KOURI, Donald Theory of atomic collisions, 21:35010 (N-67-17778)
- KOURI, Donald J. Close-coupling studies of rotational excitation in H—H_2 collisions, 25:52641
  - Low-energy atomic collisions. II, 25:58771
  - Noniterative solutions of integral equations for scattering. II, 24:8342
  - Noniterative solutions of integral equations for scattering. I, 24:8341
  - Noniterative solutions of integral equations for scattering. III. Coupled open and closed channels and eigenvalue problems, 24:32670
  - Noniterative solutions of integral equations for scattering. IV, 24:39874
  - Noniterative solutions of integral equations for scattering. V, 25:14017
  - Theory of atom—diatom collisions. II, 23:5245
  - Theory of atom—diatom collisions. III, 24:26016
  - Theory of atom—diatom collisions. IV, 25:52662
  - Theory of reactive scattering. I, 24:10388
- KOURI, R. E. Radiation responses of embryonal and SV40 transformed hamster cells, 23:6367
- KOURI, Richard Ellis Studies on interactions between benzo(a)-pyrene and mammalian cells in culture, and effect of x irradiation on these interactions, 25:46954
- KOURILEK, K. Biochemical changes in serum of intact and irradiated dogs after intravenous AET administration, 25:26935
  - Cardiovascular, biochemical, and haematological changes after the application of AET, 25:4599
  - Influence of AET on the activity of some serum enzymes, 24:34086
  - Toxic and radioprotective effects of AET, 24:12127
- KOURIM, P. Gamma-radiolysis of aqueous solutions of 5-bromo-2'-deoxyuridine in presence of O. I, 25:29135
  - Gamma-radiolysis of aqueous solutions of 5-bromo-2'-deoxyuridine in presence of O. II, 25:29136
  - Radiolysis of liquid methanol, 24:16575
- KOURIM, Pavel Radiolysis of 1-octene, 23:35206
- KOURIM, V. Recovery of Sr by means of a polyantimonic(V) acid cation exchanger, 23:49912
- KOURIS, C. B. High-energy small-angle scattering and multiple-scattering corrections, 23:51946
  - Model for high-energy pp and anti pp diffraction scattering, 24:52132
  - Smoothed Veneziano-like pion form factor, 25:7605
  - Smoothed Veneziano-like pion form-factor, 25:7638 (DEMO-70/17)
- KOURIS, S. S. Relation between sunspot number and the ionospheric index IF2, 23:3371
- KOUSAKA, Tadako Positive scintiphotography of cancer of the liver with ^{67}Ga citrate, 25:58045
  - Sequential brain imaging as an aid in understanding disease etiology, 25:35174
  - Serial brain scanning with /sup 99m/Tc, 23:50667
  - Serial brain scanning with radioactive xenon and scintillation camera, 24:48611
  - Technetium-99m and /sup 113m/In scans in 101 intracranial tumors, 24:774
- KOUT, A. Determination of N in uranium nitride by Dumas technique, 25:18
  - Determination of traces of H, N, and O in aqueous solutions, 23:19629
- KOUTCHMY, S. Morphological particularities of the solar corona, 24:19651
  - Photometric study of the solar corona, 24:37127
  - Solar continuum in the intermediate infrared spectral range, 24:28004
  - Three-dimensional model of a large coronal streamer with active region enhancement, 25:38099
- KOUTCHMY, Serge Coronal jet associated with chromospheric eruptions and coronal bulbs, 24:4949
  - Intensity of solar continuum at lambda = 20.15μ, 23:8405
  - Observations and discussions concerning high polarization features in the solar corona, 25:32982
- KOUTCHOUK, F. Composite particles in quantum theory fields, 24:28597
- KOUTIEV, I. S. Dissociative velocity rates of oxygen and ozone in the ionosphere, 23:6927
- KOUTRAS, D. A. Case of a partial defect of the iodide trapping mechanism, 24:25372
  - Pretreatment with potassium perchlorate and methylthiouracil on results of ^{131}I therapy, 21:12941
  - TSH test in persons having received iodine compounds, 22:38340
- KOUTS, H. Nuclear Materials Division, 24:44222 (BNL-50205, pp 16-25)
  - Nuclear materials division, 23:43225 (BNL-50149, pp 15-18)
  - Reactor physics division, 22:39875 (BNL-50082, pp 1-18)
  - Reactor physics division, 23:43189 (BNL-50149, pp 1-14)
- KOUTS, H. J. C. Brookhaven pulsed fast research reactor, 23:21510 (BNL-13208)
  - HFBR: source reactor for neutron beams, 21:4408 (BNL-10610)
  - Review of the goals, methods, and techniques of nuclear materials safeguards, 25:37558 (A/CONF.49/P-98)
  - Safety analysis of critical assembly facility, 21:40673 (BNL-11636)
- KOUTS, Herbert Brookhaven report, 24:27606 (BNL-14581)
  - Systems studies for nuclear materials safeguards, 24:448
  - Technical progress in nuclear materials safeguards, 25:4272
- KOUTS, Herbert J. Brookhaven high flux beam reactor: design and use, 21:32026
  - Brookhaven High Flux Beam Reactor: design and use, 22:25115
  - U. S. safeguards systems studies, 24:2420 (WASH-1140, pp 1-28)
- KOUTSIDI, N. K. Description of reaction $\pi^- p \rightarrow$ NKanti K with generalized Veneziano model, 25:50138 (JINR-P2-5961)
  - Possible existence of the $\pi^-\gamma$ resonance at 270 MeV, 25:50065 (JINR-P1-5874)
  - Search for baryon resonances in p γ system, 25:50058 (JINR-P1-5916)
- KOUTSKY, Carl D. Mercury-197 determination of blood-cerebrospinal fluid barrier, 21:24351
- KOUTSOYANNIS, Sotiris Collisional effects on induced emission and absorption transition probabilities in atomic systems, 25:16843
- KOUTSOYANNIS, Sotiris P. Kinetic state of excited gas or plasma interacting with radiation, 23:48898 (AD-689230)
- KOUTZ, Stanley L. Fuel element, 21:8168
- KOUVALIS, Alexander Formation of F_2^+ centers in KI, 24:42789
- KOUVEL, J. S. Electrical, magnetic, and superconducting properties of Cu disulfide, 21:41983
- KOUVO, Olavi Mineral ages from Finnish precambrian, 22:21191
- KOUZNETSOV, M. V. Getter-ion pumps with directly heated titanium evaporators, 21:34457
- KOVAC, Bela Instrumentation for measurement and analysis of radiative samples, 23:43516 (CONF-681063-, Paper 2.4)
- KOVAC, J. Bela System for orientation in nuclear radiation fields, 22:28115
- KOVAC, L. Changes in some quantitative characters on barley after chronic irradiation, 21:16520
  - Chlorophyll mutations after low doses of chronic irradiation of barley, 22:51547
- KOVAC, L. R. Development of the under-sodium ultrasonic scanner, 22:40480 (APDA-210(Add.))
  - Studies of material wastage resulting from reactions of water in sodium, 24:42049 (APDA-254)
  - Tube wastage in sodium-water reaction tests, 22:4744
- KOVAC, Michael G. AEPIONICON: a new penetrating radiation imaging device, 22:43172
- KOVAC, V. Profile-counting of lesions of skeleton with ^{85}Sr, 22:38344
- KOVACEVIC, K. Position sensitive counter telescope, 24:20996
- KOVACEVIC, S. Study of Pa(V) phosphates, 25:15641
- KOVACEVICH, E. A. Corrosion and deposition of irradiated stainless steel in sodium, 23:36019
  - Corrosion and deposition of irradiated stainless steel in sodium, 25:55370 (BNWL-SA-2335)
  - High-nickel content alloys for FTR core structural materials, 22:47006 (BNWL-748)
  - Radioactive material transport in flowing sodium systems, 25:2706
  - Radioactivity in FFTF closed loops, 25:31627 (BNWL-585)
  - Radioisotope transport and deposition in flowing sodium, 23:7398 (BNWL-SA-2168)
  - Radioisotope transport and deposition in flowing sodium, 23:21475 (BNWL-969)
  - Release and migration of irradiated stainless steel in flowing sodium, 23:23890 (BNWL-SA-2336(Draft))
  - Release and migration of irradiated stainless steel in flowing sodium, 25:51173
- KOVACH, A. Fission-product precipitation from atmosphere in Debrecen, between 1963 and 1965, 21:32279
- KOVACH, Adam Hungarian research in the field of isotopic geochemistry, 24:20881
  - Precise determination of isotopic ratios by mass spectrometry in case of ion beam intensities varying with time, 22:37940
- KOVACH, Anna Radioactive contaminants of ^{131}I-hippuran, 23:33777
- KOVACH, I. Angular anisotropy of nuclear fission by neutrons and the barrier structure, 25:39007
- KOVACH, J. L. Deep bed activated carbon for liquid, solid, aerosol, and gaseous filters, 25:21272 (CONF-700816-(Vol.2), pp 738-50)
  - Evaluation of activated carbon supported isotope exchange techniques for containment atmosphere purification, 25:18385 (CONF-700816-(Vol.1), pp 278-88)
  - Ignition temperature of activated charcoals in dry air, 21:14121
  - Ignition temperature of activated charcoals in air, 23:29072
- KOVACH, J. Louis Adsorbents, 23:24022 (CONF-680821-, pp 149-66)
  - Filter system design, installation and testing for radioactive contaminant removal, 25:13192 (NACAR-10012)
  - Krypton—xenon adsorption on NACAR carbons, 24:20851 (NACAR-10004)
  - Methyl iodide isotopic exchange under accident conditions, 24:22430 (NACAR-10003)
  - Review of Kr—Xe adsorber design. I, 24:41245 (NACAR-10005)
  - Review of radioactive noble gas collection processes, 25:15723 (NACAR-10007)
- KOVACH, P. J. Materials of Na heated steam generator, 21:452 (BAW-1280-37)
- KOVACH, P. Sh. Parameters of neutron resonances of ^{85}Rb and ^{87}Rb isotopes, 23:25851 (JINR-P3-4357)
- KOVACH, Robert L. Earthquake prediction or modification, 24:41464
- KOVACH, William S. Dynamics and infrared radiation of young, dust-filled planetary nebulae, 25:52515
  - Effective temperatures of the central stars of planetary nebulae, 22:21821
- KOVACH, William Stephen Effects of dust and Lyman-alpha radiation on evolution of planetary nebulae, 25:27323
- KOVACHEV, Bogomil Spectrophotometric study of 102 Hercules, 24:32553
- KOVACHEV, K. Changes in the blood of birds irradiated with fast neutrons, 23:926
- KOVACHEV, Kilment Spectrophotometric study of 102 Hercules, 24:32553
- KOVACIC, E. C. Evaluation of impurity monitoring devices tested in a dynamic system, 22:12953
  - Sodium heated steam generators, 23:11264 (CONF-680419-, pp 354-402)
  - Surface temperature measurements in sodium-water reactions, 22:5968
  - Tube wastage in sodium-water reaction tests, 22:4744
- KOVACIC, Evan C. Expanded bed nuclear reactor fuel module, 22:35490
  - Radial split flow breeder reactor, 22:35488
  - Wastage of steam-generator materials by sodium-water reactions, 23:46000 (ANL-7520(Pt.1), pp 384-409)
- KOVACIC, Peter Aromatic oxygenation with diisopropyl peroxydicarbonate—cupric chloride, 22:21066
- KOVACIC, R. T. Miniature pig performance after fractionated doses of ionizing radiation, 24:29850 (AD-700237)
  - Miniature pig performance after fractionated doses of radiation: time—dose relationships, 25:16301 (AD-709938)
  - Performance of miniature pigs after partial body irradiation, 24:25563
  - Performance of miniature pigs after partial body irradiation, 24:27671 (AD-699129)
- KOVACIC, Roger T. Miniature pig performance after fractionated supralethal doses of ionizing radiation, 25:26928
- KOVACIK, A. Effect of acute gamma radiation on sunflower plants, 24:27716
  - Effect of gamma radiation on sowing of achenes and development of sunflower, 24:25595
  - Effects of acute γ radiation on sunflower, 24:34769
  - Influence of moisture in sunflower seeds on reaction to acute gamma radiation, 24:27717
- KOVACOVA, V. Induction of respiration-deficient mutants by ultraviolet radiation in a synchronous yeast cell culture, 24:42031
- KOVACS, A. Effect of uv-A rays on mast cells, 22:51939
- KOVACS, A. Z. Interactions (π^-p) at 2.7 Bev/c (four-prong events), 21:882
- KOVACS, Agnes Migration of sunspot activity along solar meridians and parallels, 23:36369
- KOVACS, Arthur Z. Purdue SMP system, 21:41245
- KOVACS, C. J. Mitotic delay in two biochemically different Gl cell populations in cultured roots of pea (Pisum sativum), 25:27063
- KOVACS, Etelka Prolongation of sterage time of cultivated mushroom by ionizing radiation, 23:43936
- KOVACS, G. Effect of chemical radiation-protective agents on rabbit eyes exposed to fast neutrons, 24:27610
  - Effect of thiaminetetrahydrofurfuryl disulfide on the radiation syndrome, 24:744
  - Influence of thiamine tetrahydrofurfuryl disulfide on the radiation syndrome, 21:45724
  - Radiation polymerization in supercooled liquid and mesomorphous phase, 22:14540
  - Radiation protection for rabbit eyes, 23:38601
  - Radiation protection of rabbit eyes, 24:27609
  - RBE of 15-MeV neutrons on cataracts, 23:33853
- KOVACS, I. Angular anisotropy of fission fragments in ternary fission of ^{235}U and ^{238}U, 25:36759
  - Differential cross section of n—p scattering, 23:28236
  - One and two electron loss cross sections of H^- ions in CO_2 or N_2 gas, 21:24932
  - Production of spontaneously fissioning isomers of U, Pu, and Am in neutron reactions, 25:20369 (JINR-P3-5528)
  - Ternary fission of ^{235}U and ^{238}U, 24:49910
- KOVACS, Istvan Angular anisotropy of fragments from ternary fission of ^{235}U and ^{238}U, 23:11010
  - BCS theory and possibility of achieving superconductivity at room temperature, 21:39945

Collision cross sections of H$^-$ in CO$_2$ and N$_2$, 21:14972
KOVACS, J. Isoracemization of N-carbobenzoxyamino acid ester derivatives, 25:26257
Strontium-90 in fallout, 21:28501
KOVACS, J. S. Chiral-dynamics calculations of single-pion production in pion-nucleon inelastic scattering, 24:35654
Monte Carlo method for multi-particle production processes, 25:12134
KOVACS, Joseph J. Optimization of a nuclear power plant by hybrid computer, 22:49009
Optimization of a nuclear power plant by hybrid computer, 22:50768
KOVACS, Jozsef Radioactive contamination of the environment, 23:29483
Radioactivity of environment and food in Hungary, 22:48946
KOVACS, Karl Paul Possibility of asynchron machine with superconducting material, 23:40923
KOVACS, L. Radiation injury of the skin, 21:26602
Thermoluminescent dosimetrical system, 21:26251
KOVACS, L. G. Conference on theory of groups, Canberra, 8/65, 22:20106
KOVACS, L. M. HECTIC-II: program for heat transfer analysis of gas or liquid cooled reactors, 25:23256 (KFKI-70-33-RPT)
KOVACS, Laszlo In-vitro investigations of the absorption capacity of the small intestine after super-lethal x-irradiation, 21:3441
Morphologic changes in rat thyroid following x irradiation, 24:44591
KOVACS, Laszlo M. Two-group calculation for heterogenous uranium/water-systems. II, 22:42493
Two-group/calculation for heterogenous uranium/water-systems. I, 22:42494
KOVACS, M. Low x-ray doses on central nervous system, 23:8071
KOVACS, Magda Increasing protein content of maize by induced mutants, 25:24103
KOVACS, P. Effect of cysteine on the radiosensitivity of endogenous spleen colony forming units in mice, 25:49213
Metabolic radioprotective effect of cysteine on E. coli B, 23:31997
Preirradiation acid-soluble sulfhydryl level-changes in E. coli in the presence of cysteine, 22:43361
Radioprotective effect of nitriles, 23:50618
Radioprotective effectiveness of cysteine, 23:22442
Radiosensitivity of E. coli 15T$^-$ and metabolic effect of cysteine, 23:8033
Radiosensitivity of E. coli B cultures. II, 21:13077
Radiosensitivity of E. coli B cultures. III, 21:26485
Sensitivity of E. coli B to irradiation. IV, 21:20284
Sensitivity of E. coli B to irradiation. VI, 21:28698
Study of solid electrolytes with zirconium oxide base for reactor fuels, 22:44218
Toxic and radioprotective effect of cysteine on E. coli cells, 24:50952
KOVACS, Peter Data on radiation-protective effect of some cysteine—cysteamine derivatives, 22:28598
Restitution of blood forming stem cells following x irradiation, 24:27656
KOVACS, Ps. Analysis of the radioprotective effect of cysteine on Escherichia coli strains, 25:4554
KOVACS, S. G. External electron beam impulse heating, 22:47265 (GEPP-40)
KOVACS, S. J. On the job training, 25:39222 (CONF-710416-, Paper 12)
KOVACS, V. Metabolism of ^{35}S-selenomethionine in rats. II, 25:42264
Sulfur-35-methionine and ^{75}Se-selenomethionine metabolism in rats. III, 25:42265
KOVACS, Valeria Metabolism of methionine—^{35}S and selenomethionine—^{75}Se in rats, 24:50703
KOVACS-PROSZT, G. Effects of ionising radiations on pectin methyl esterases of some fruits and vegetables, 22:30954
KOVAL, A. A. Excitation function of ^{27}Al(p,γ)^{28}Si reaction in the energy interval of Ep = 2300 to 3200 keV, 21:33945
Inelastic scattering of protons by ^{26}Mg, 23:46951
Investigation of gamma rays from inelastic proton scattering and radiative proton capture by ^{26}Mg, 21:7756
Investigation of γ rays from ^{26}Mg(p,γ)^{27}Al reaction at E/sub p/ = 2322 keV, 22:9804
Levels of ^{27}Al with excitation energies 10.248, 10.586, and 10.692 MeV from the reaction ^{26}Mg(p,γ)^{27}Al, 21:33939
Levels of ^{37}Cl nucleus at excitation energies of 10.4 to 10.6 MeV in ^{36}S(p,γ)^{37}Cl reaction, 22:39618
Low levels of ^{37}Cl nuclei, 22:9807
Quantum characteristics of 3.01- and 2.65-MeV levels in ^{35}Cl nucleus, 22:9805
Radiactive proton capture in ^{34}S and ^{36}S, 22:26994
Radiative proton capture by ^{36}S and the excited states of ^{37}Cl, 21:29934
Resonances in the reaction ^{36}S(pγ)^{37}Cl, 21:33919
Studies of γ rays from inelastic scattering reaction and radiative capture of protons by ^{26}Mg nuclei, 21:44637
Studies of γ rays in inelastic proton scattering by ^{36}S nuclei, 22:9806
Triple p$\gamma\gamma$ correlations of γ rays from decay of resonant state of ^{27}Al with E = 10.480 MeV, 22:13965
Triple p$\gamma\gamma$-correlations studies from the reaction ^{36}S(p,γ)^{3}Cl, 21:44627
KOVAL, A. G. Emission produced by excited He molecules, 23:27332
Excitation functions for first negative system N$_2^+$ on excitation of N by fast electrons, 25:13998
Infrared emission spectra of some molecular gases excited by fast electrons, 23:36520
Luminescence produced in scattering of H ions at surface of metallic targets, 22:41299
Luminescence spectra of excited particles knocked out of solid targets by fast Ar ions, 25:35841
N, O, and air emission spectra excited by fast electrons, 23:51522
KOVAL, A. I. Effect of transplantation of homologous bone marrow on the nucleic acid content of the spleen during acute radiation sickness, 25:24388
KOVAL, A. N. Asymmetry of moustaches, 25:2863
Investigation of metallic emission lines in moustaches on the disk, 21:37021
Investigation of "moustaches" and ejections in connection with the development of spot groups, 21:16690
Motions connected with moustaches, 21:1985
Position of moustaches in a spot group relative to the magnetic field, 21:16716
Position of "whiskers" in a group of sunspots in relation to the magnetic field, 21:43735
KOVAL, A. V. Electrolytic separation of Re and Mo, 23:47621
KOVAL, E. Possible uses of radioactive kryptonates of silver in chemical analysis, 24:16417
KOVAL, L. Isolation of thorium in biological samples, 21:15983
KOVAL, L. N. Photoproduction of neutral vector mesons at high energies in the Regge pole model, 23:13057
Photoproduction of vector mesons, 24:20117
KOVAL, T. P. Dimensions of ring current on results of deep sounding, 25:33151
KOVAL, V. M. Laws governing supplementary conductivity induced by x radiation in liquid organic photo-conductors. III, 24:36271
KOVAL', Yu. F. Accelerating the elimination of certain isotopes from the organism with the aid of osmotic diuresis, 23:22181 (AEC-tr-6944, pp 651-6)
KOVAL'CHENKO, M. S. Calculation of the stored energy in irradiated graphite from x-ray graphic data, 21:28866
Effect of neutron irradiation on electric resistance and color of refractory compounds, 23:36292
Effect of neutron irradiation on the properties of titanium and chromium carbides, 21:3560
Effects of neutron radiation on electrical resistance of titanium and chromium carbides, 21:13291
External friction of Nb and Ta carbides at high temperatures in a vacuum, 23:25002
Hot pressing of molybdenum powder, 24:39617
Hot pressing of the transition metals and their carbides in their homogeneity regions, 25:32698
Hot pressing of W and W-base pseudoalloys, 24:27740
Investigation of effect of neutron irradiation on structure and properties of LaB$_6$, 21:10379
Investigation of irradiation effects in titanium and chrome carbides, 21:3561
Investigation of the behavior of nonmetallic reactor materials subjected to neutron irradiation, 21:14914
Microhardness anisotropy in polycrystalline carbides of transition metals in group VI, 25:52449
Microstructure of hot-pressed molybdenum carbide, 25:45134
Neutron irradiation effects on diffusion carbide and boride coatings on high-melting metals, 22:34127
Niobium powder compaction during hot pressing, 24:2901
Radiation stability of borides, 22:34086
Roentgenographic investigation of neutron-irradiated carbides of titanium and chromium, 24:14971
Vacuum thermal compression of powders of metals and refractory compounds, 24:21433
KOVALCHOUK, L. Hemopoiesis in chimeras, 24:6122
KOVAL'CHUK, B. M. High-current pulsed electron accelerator, 25:50212
KOVALCHUK, L. V. Antibody formation in radiation chimaeras, 23:29404
Cell populations in xenogenic radiation chimaeras, 25:49297
Complication in radiation chimerae caused by Haemobartonella, 21:41506
Increased protective property of spleen cells from preirradiated donors measured by transplantation into lethally irradiated recipients, 25:29564
Preventing of lymphoid atrophy in secondary disease of irradiation chimera by administration of lymphocytes from recipient, 22:6744
Regeneration of blood-forming tissue in radiation chimeras, 25:52107
Transplantation of spleen tissue from irradiated donors to lethally irradiated recipients, 24:17061
KOVAL'CHUK, N. D. Features of the behavior of certain radioactive isotopes in the organism of animals depending on physicochemical properties of compounds, 23:22170 (AEC-tr-6944, pp 165-77)
Technetium-99m scanning of thyroid gland, 23:43817
KOVALCHUK, R. I. Valuable mutants obtained as a result of irradiation of cotton plants, 22:51503
KOVAL'CHUK, S. I. Influence of uv rays on DNA biosynthesis in epidermis, 24:27529
KOVAL'CHUK, V. A. Hafnium determination in the presence of large amounts of molybdenum, 22:18706
KOVALCHUK, V. G. Gaussian approximation for the description of scattering of slow neutrons by molecules, 21:2593
Monophonon scattering of slow neutrons in disordered solid solutions, 22:22207
Perturbation theory for retarded-temperature Green's functions, 22:17841
KOVALENKO, A. D. High-current induction linear accelerator of the nanosecond range, 25:25562 (JINR-P9-5601)
KOVALENKO, A. E. Separation of the oxygen isotopes, 23:19852
KOVALENKO, A. I. Determination of the location of the focal surface in a wide-range magnetic spectrograph, 23:41056
Mass estimate and decay modes and energies of scalar and vector mesons, 23:36915
KOVALENKO, E. S. Synchrotron waveguides, 21:11900
KOVALENKO, K. N. Thorium dihydroxydimandelate, 24:44000
Thorium glycolates, 21:19608
Thorium nitrate reactions with o-phthalic acid, 21:19607
Thorium nitrobenzoate, 22:12302
KOVALENKO, L. I. Determination of Sb in Bi—Sb alloy by method of neutron-activation analysis, 23:28759
Preparation of thin films of V, Nb, and Ta for nuclear investigations, 23:20483 (ORNL-tr-2108)
Preparation of thin tungsten foils for nuclear research, 25:22919
Thin films of V, Nb, and Ta, 25:22034
KOVALENKO, N. A. Beam-shaping system for a 2-GeV electron accelerator, 24:1709
KOVALENKO, O. A. Some peculiarities of the change in the concentration of free radicals during the development of radiation sickness, 24:50732
KOVALENKO, O. I. Strengthening of Cr—Mn—Mo steel by cold plastic deformation, 22:7000
KOVALENKO, P. N. Extraction-photometric determination of uranium and rhenium upon combined presence, 24:4215
New extraction-photometric method for determination of uranium(VI), 22:16427
Photocolorimetric analysis of U(VI) in metallic lead, 21:25775
Polarographic determination of the solubility of molybdenum and zinc in fertilizer, 22:22966
Reduction of samarium and erbium on a dropping mercury electrode, 21:38940
Use of cupferron for the potentiometric determination of thorium and cerium when present together, 25:28958
KOVALENKO, S. S. Correlation between α-particle energy and number of γ quanta in spontaneous ternary fission of ^{244}Cm, 21:29998
Distribution of excitation energy between fission fragments, 24:11019
Kinetic energies and mass distributions of fragments of ^{244}Cm spontaneous fission, 24:38287
Kinetic energies of fragments and angular distributions of α particles at triple spontaneous fission of ^{252}Cf, 25:53794
Long-range fission particles, 23:37213
Long-range particles in fission of ^{235}U induced by 14-MeV neutrons, 22:14023
Neutrons and γ-quanta from triple fission of ^{252}Cf, 24:38242
Neutrons and γ-quanta in the spontaneous ternary fission of ^{244}Cm, 21:17363
Ternary fission of ^{235}U by slow neutrons, 24:13385
KOVALENKO, V. A. Distribution of cosmic rays in eastern part of the USSR, 22:11270
East-west asymmetry effect in cosmic rays according to crossed-telescope measurements in 1965, 22:21955
Latitude distribution, integral multiplicities, and coupling coefficients for neutron, total ionizing, and hard components of cosmic rays, 21:33227
Latitude effect of cosmic rays determined on basis of stratospheric measurements during 1964—1965, 22:11247
Latitudinal distribution and coupling coefficients for the neutron and total ionizing components of cosmic radiation, 22:21954
Method of introducing barometric corrections into cosmic-ray intensity data, 21:29035
KOVALENKO, V. F. Thermal distillation of sea water, 21:43098 (AEC-tr-6893)
Water desalination plants for seagoing vessels, 22:10161 (AEC-tr-6909)
KOVALENKO, V. I. Determination of the coordinates of particles by means of a wire spark chamber with ferrite memory, 22:6647
Magnetic spectrometer of wire spark chambers with automatic calculation of the magnetic deflections, 21:19923
KOVALENKO, V. M. Disturbances in the development of hemp pollen induced by presowing gamma irradiation of seeds, 25:16382
Influence of preplanting gamma-irradiation on the germination rate of seeds and the survival of hemp seedlings, 24:12321
KOVALENKO, V. P. Anomalous scattering and phase focusing of a modulated electron beam in a plasma, 23:51653
Formation of nonlinear waves in the interaction between an electron beam and plasma, 25:52872
Multivelocity stream formation with nonlinear beam—plasma interaction, 25:25114
KOVALENKO, V. S. Hydromagnetic wave interaction with the protons of the geomagnetic trap, 22:48022
Origin of inhomogeneities in F2-layer of ionosphere, 21:29108
Proton motion in field of Alfven waves, 22:9315
Relaxation of high energy protons in magnetosphere of Earth under effect of Alfven waves, 25:56011
KOVALENKO, Yu. A. Investigation of forms of stabilization of ^{51}Cr recoil atoms in some oxygen-containing compounds of chromium, 23:13750
KOVALESKI, Bernadine Propanolol and ^{131}I in the treatment of diffuse thyroid hyperplasia with hyperthyroidism, 24:25545
KOVALEV, A. I. Internal friction in ZrO$_2$ at 20 to 1250°C, 21:31094
Method of measuring the polarization of an oriented hydrogen target, 25:36645
KOVALEV, A. M. Reflection of plasma by a linearly increasing transverse magnetic field, 21:46351
KOVALEV, E. E. Analysis of the results of measurements of doses of cosmic radiation in near-earth space, 21:16836 (JPRS-38272, pp 17)
Assurance of radiation safety in spaceflights (radiobiological aspects), 22:36273
Biological effects of cosmic radiation, 24:846
Calculation of doses during space flights, 24:721
Criteria of radiation safety in prolonged space flights, 21:43391
Dosimetric and shielding studies with Kosmos-110, 23:39527

Evaluation of the radiation in a flight to the moon, 21:16343 (JPRS-38272, pp 123)
Investigations of artificial satellites of the Earth, 25:55342
Measurement of tissue doses of cosmic radiation by nuclear emulsions, 22:12848 (JPRS-42730, pp 59-65)
Measurement of tissue doses of cosmic radiation by nuclear emulsions, 22:25842
Nuclear interactions in space ship protection, 23:20976
Principles of calculating protection from space radiation, 21:16344 (JPRS-38272, pp 124)
Radiation and space flight, 22:25831 (JPRS-42635, pp 1-6)
Radiation and spaceflights, 22:21589
Radiation safety for space flights, 21:16345 (JPRS-38272, pp 173-4)
Radiation safety of manned space flights (radiobiological aspects), 22:12899 (N-67-29205, pp 77-82)
Radiobiological aspects of radiation safety of cosmic flight, 23:43787
Radiobiological aspects of radiation safety in space flights, 24:27704 (ORNL-tr-2296)
Shielding of cylindrical gamma-ray sources, 24:1469
Some experimental results concerning the shielding properties of materials in relation to high-energy protons, 21:33508 (AEC-tr-6719, pp 80-9)

KOVALEV, G. N. Chromatographic separation of some lanthanides and actinides on zirconium phosphate, 22:10335
Influence of rare earth elements on the crystallization of carbon steel, 22:7003

KOVALEV, I. A. Compensating heat inputs into liquid He, 23:23034
Device for measuring pressure drop and heat transfer in two-phase helium flow, 23:20852
Force-cooled superconducting coil, 23:20862
Force-cooled superconducting systems, 24:35353

KOVALEV, I. F. Functional mechanisms of radiological effect development, 25:21749

KOVALEV, N. V. Linear proton accelerator I-2. VII, 22:32416

KOVALEV, R. L. Kinetic energy of fragments of symmetric fission of ^{235}U nuclei by slow neutrons, 24:13386

KOVALEV, S. A. Methods of studying heat transfer in transition boiling, 22:21280
Study of sodium boiling heat transfer, 21:43182

KOVALEV, V. A. Thorium in mineral bone residues, 23:19860

KOVALEV, V. D. Absolute measurement of the elastic scattering of 100 and 200 MeV electrons on the ^{12}C nucleus, 21:17307
Determination of transition matrix elements of ^{28}Si from experiments on inelastic electron scattering, 22:5805
Efficiency of secondary emission monitor, 21:6282
Elastic and inelastic high energy electron scattering on nuclei ^{28}Si, 23:8957
Elastic and inelastic scattering of high-energy electrons by ^{23}Na and ^{39}K nuclei, 23:42876
Elastic scattering of electrons with energy 225 MeV on nucleus ^{139}La and nuclear radius, 22:14061
Electron scattering (225-MeV) from the nuclei ^{89}Y and ^{93}Nb, 21:31766
High-energy electron scattering by ^{23}Na, 23:7280

KOVALEV, V. P. Bremsstrahlung yield as function of target thickness and atomic number in electron energy range 12 to 22 MeV, 25:59106
Dependence of buildup factor on the position of shielding between bremsstrahlung source and detector, 25:56280
Formation of uniform dose fields by equilizing targets, 24:38030
Kinetics of recovery processes in hematogenic system of mice after γ-irradiation, 23:924
Kinetics of restorative processes in mammals subjected to γ irradiation, 22:23567
Recovery of critical systems of the mammalian organism, 25:44938
Residual injury in gastrointestinal death of mice after gamma irradiation, 25:29657
Uranium and thorium distribution in rocks, 23:47660

KOVALEV, Yu. I. Radiation chemistry of carbohydrates. XII, 25:6371

KOVALEV, Yu. V. Low-temperature luminescence of gamma-irradiated organic glasses, 22:25406

KOVALEVA, T. I. Comparative monitor for the Wilson chamber, 23:11863

KOVALEVA, E. I. Separation of zirconium and hafnium and preparation of hafnium dioxide by the method of selective rodanide extraction with ethyl acetate, 22:23117

KOVALEVA, E. P. Chemical methods in nuclear reactor radiation dosimetry, 21:30276

KOVALEVA, E. S. Crystal structure of hydroxytricarbamide uranyl polyiodide $[UO_2(OH).3CO(NH_2)_2]I_4$, 23:2262

KOVALEVA, I. E. Separation of zirconium and hafnium, 24:33758 (LIB/Trans-269)

KOVALEVA, L. G. Changes in leukocyte count in peripheral blood of patients suffering from chronic myelcleukosis, 24:2827

KOVALEVA, N. E. Activity of some dehydrogenases in infusoria after x-irradiation, 22:36184
DNA content of paramecia after ionizing irradiation, 22:21608
Influence of temperature on the content of cytoplasmic ribonucleic acid in Paramecium caudatum irradiated with x-rays, 21:9033
Metabolic processes in x-irradiated Paramecia, 21:24365
Sensitivity to x-irradiation of Paramecia, 24:7980

KOVALEVA, T. A. Chemical nature of lipid radiotoxin, 23:2799
Noise in photomultipliers, 21:6347
Photomultipliers with low noise level, 23:33560

KOVALEVA, V. A. Phase diagram of Nb—Sn system, 23:12351

KOVALEVICH, O. M. Gas-cooled fast reactor with high heat release rate, 23:52310 (JPRS-48330, pp 164-87)
Redistribution of nuclear fuel density and variation of reactivity during melting and runoff of core material in fast reactors, 23:52386 (JPRS-48331, pp 407-25)

KOVALEVSKAYA, E. M. Electron density distribution on MUF hop distances, and angles of arrival, 24:6451
Horizontal gradients of F2-layer critical frequency associated with local time, 22:24119
Propagation on one-hop radio links in presence of f_oF_2 gradients, 25:22439

KOVALEVSKAYA, R. Z. Determination of the self-absorption curve in experiments employing radiocarbon, 22:14972

KOVALEVSKAYA, Yu. A. Specific heat and electrical resistivity of Dy, 24:47323

KOVALEVSKII, A. F. Ionization produced by a satellite in the upper atmosphere, 22:48012

KOVALEVSKII, I. V. Characteristic propagation velocities of weak disturbances in the interplanetary medium, 23:32244
Effect of MHD discontinuities on magnetosphere, 25:33136
Energy aspects of magnetic storms, 25:47430
Energy density and pressure of the interplanetary plasma, 22:34470
Energy flux in the solar wind, 22:34220
Energy flux of the solar plasma in interplanetary magnetic field, 22:38706
Interplanetary medium and its interaction with the Earth's magnetosphere, 25:58886
Relation of geomagnetic activity to the energy flux density of the quiet solar wind, 22:38700
Sector structure of the quiet interplanetary magnetic field, 22:34222
Variations of interplanetary space parameters during a solar activity cycle, 25:55992

KOVALEVSKII, L. V. Interplanetary medium during decreasing solar activity (Sept.-Oct. 1962), 23:32096

KOVALEVSKII, N. V. Interaction of the interplanetary medium with the Earth's magnetosphere in a period of solar activity decrease, 23:32230 (N-69-22265)

KOVALEVSKII, V. I. Destruction of free radicals in crystalline phenol, aniline, N-ethylaniline, and o-nitro-N-methylaniline, 25:48559

KOVALISHIN, Ya. F. Effect of gamma radiation on meat proteins, 21:30789

KOVAL'SKAYA, L. P. Microbiological decay of fruits and vegetables treated with radiation, 22:26019

KOVAL'SKII, A. E. Change in the crystal structure of molybdenum carbide as a result of the action of high pressure, 23:10293
Effect of high pressure on the structure and hardness of some refractory carbides, 22:52272

KOVALSKII, G. A. Current measurements for contactless determination of the intensity of charged particle beams, 23:10899

KOVAL'SKII, N. G. High-frequency modulation of an electron beam and production of fast ions in a cold plasma, 25:49906
Investigation of plasma in a magnetic trap having opposed magnetic fields, 21:18628

KOVAL'SKII, V. V. Geochemical ecology of microorganisms, 24:34232
Regularities in the biogenic migration of uranium, 21:1727
Role of microorganisms in biogenic migration of U, 25:42256

KOVAL'SKII, Yu. V. Absorption of uranium and its decay products by Mycococci, 24:31818
Action of U on the biosynthesis of amino acids by microorganisms of Mycococcus genus, 24:48411

KOVALSKY, E. A. ARC system cross-section homogenization and modification capabilities, 25:56614 (ANL-7714)
ARC system neutronics input processor, 25:23392 (ANL-7713)

KOVAL'TSOVA, S. V. Effects of radiosensitivity on uv-induced mutagenesis in Saccharomyces cerevisiae, 25:24086
Resistance of fungus to uv and x-rays, 24:25614

KOVALYK, D. A. Boron—rhenium—vanadium system, 24:14940
Systems Hf—W—B, Hf—Re—B, and Nb—Re—B, 25:45135
X-ray investigation of ternary systems V—Cr—B, Nb—Cr—B, and Mo—Cr—B, 23:36257

KOVALYOV, V. D. Elastic scattering of 225-MeV electrons on the ^{139}La nucleus, 21:38338

KOVAN, I. A. Ion heating in the excitation of magneto-acoustic oscillations in a plasma, 22:3105
Plasma heating by magneto—acoustic waves, 23:18590
Plasma parameters in strong magnetic field with aid of double electric probes, 23:34386 (AD-683090)
Turbulent heating of a plasma by electromagnetic waves, 22:39102

KOVANIC, P. Activation analysis via static programming, 23:40583
Control system of materials testing reactor, 25:23344 (UJV-2375-RPA)
Correction of scintillation gamma spectra for instability of the spectrometer, 24:7647 (UJV-2213-Ch)
In-line digital computers for a reactor safety system, 24:16221 (UJV-2277-R,P,A)
Instrumentation for nuclear power plant control in Czechoslovak Socialist Republic, 25:39157 (IAEA-119, 13p.)

KOVANIC, Pavel Identification of operators in the reactor physics, 22:3865
Special purpose digital computer DICOR for reactor control and safety system, 24:52863

KOVANITS, Pavel Digital follow-up system for nuclear engineering, 21:2882

KOVAR, D. Energy levels in ^{47}Ti and ^{50}V, 23:34765
Two-particle, one-hole states in ^{209}Pb, 23:11034

KOVAR, F. R. Observed anomalous plasma loss from minimum-B system, 21:39977 (UCRL-70519)
Plasma containment in the 2X experiment, 22:13429 (UCRL-70656)

KOVAR, Frederick R. Spectroscopic diagnostics of 2X plasma, 21:27132 (UCID-15107)

KOVAR, Pavel Non-destructive contactless testing, 23:17716

KOVAR, R. P. Anisotropy of galactic cosmic rays, 22:9127

KOVAR, Z. Correlation factor erg/cm^{2}R for low-energy x radiation, 23:12554
Reactor calorimetry, 22:18590 (UCRL-Trans-10217)
Sensitive gamma beam calorimeter, 24:4497 (UCRL-Trans-10399)

KOVARIK, Karel Investigation of a hydrogen-free shield for heavy-water power reactors, 25:46306

KOVARIK, V. AGS conversion rf system, 21:38022
Bright high-gradient 750-keV ion gun, 24:3796 (BNL-14138)
Bright high-gradient 750-keV ion gun, 24:26568

KOVARIK, V. J. Large brightness beams up to 200 mA in a 750 kV high gradient preinjector, 22:1520 (BNL-11789)
Power supply units connected with high gradient tubes in linac preinjectors, 22:37214 (BNL-12570)
Preinjector of BNL 200 MeV linear accelerator, 25:50285

KOVARIK, Vincent J. Phase angle measurement system for determining and controlling the resonance of the radio frequency accelerating cavities for high energy charged particle accelerators, 25:20179

KOVARIKOVA, H. Estimation of deoxycytidine in urine of humans and laboratory animals, 23:2954

KOVARSKAYA, E. N. Colloidal state of Pu(IV) in aqueous solutions, 24:38853
Method of isolation of ^{233}Pa, 24:19018

KOVARSKII, A. P. Kinetics of adsorption of ^{133}Xe from air media by C adsorbent, 21:8291

KOVARSKII, N. Ya. Separation of Be and Zr by electrodeposition of hydroxides, 22:45164

KOVARSKOGO, A. E. Mutagenesis of agricultural plants, 24:683

KOVASZNAY, L. S. G. Weak fluctuation modes of conducting fluid, 24:10414

KOVATS, T. [Moessbauer effect in] ^{57}Fe at high temperatures, 22:7347 (NYO-2028-2, pp 47-56)

KOVBA, L. M. Continuous series of solid solutions in TiO_2—$CrNbO_4$ systems, 22:17177
Double oxides of UVO_5 and UV_2O_{10}, 22:34122
Interaction of oxides of rare earth elements with the oxide of sodium, 23:41729
Interaction of UO_2 with oxides of La, Sm, Dy, and Yb, 22:4108
Investigation into ordered structures of Zr_6O and Zr_3O suboxides, 22:43609
Investigation of binary uranium oxides and rare earth elements, 21:527
Investigation of some binary niobium oxides, 22:38638
Investigation of system V_2O_5—UO_3, 22:35808
Investigation of the system UMo_2O_8—UW_2O_8, 24:10182
Nature of delta-U_2O_5, 24:36241
New compound: $Th_2U_2O_9$, 23:6138
Oxidation of some niobium alloys, 23:28811
Oxidation of U_4O_9 at temperatures below 300°C, 22:30569
Oxidation of Zr—2 percent Nb alloy, 25:6828 (AEC-tr-7200)
Oxidation of Zr—Nb 2 percent alloy, 23:43949
Phase diagram of the uranium—oxygen system, 25:13777
Phase equilibria in an yttria—alumina—neodymia system, 23:3156
Phase studies of oxides U_3O/sub 8 +- x/ and U_8O/sub 21 +- x/, 21:28850
Reaction of hydrogen with films of titanium and scandium on various metal supports, 23:9402
Reaction of uranium oxides with vanadium, 21:13279
Reaction of uranyl chloride with ammonium hydroxide, 23:13700
Reaction of ZrO_2 with U_3O_8, 25:4864
Reactions of solid solutions of U_3O_8—R_2O_3 (R is La, Sm, Dy, and Yb) with oxygen under pressure, 21:12413
Studies of binary uranium oxides, 21:31105
Studies of certain uranium oxides, 21:1952 (CEA-tr-R-1702)
Studies of the binary oxides of erbium and uranium, 24:14935
Studies of the NbO_2—Nb_2O_5 system, 21:41675
Study of binary oxides of uranium and rare earth elements in the region rich in rare earth oxides, 21:13278
Study of UMo_2O_8—UW_2O_8 system, 22:52295
Synthesis of uranium oxides, 23:47438
Thermal studies of UO_2—MoO_3 system, 21:27977
Uranates of alkali metals, 25:15569
Uranium dioxide reactions with rare earth (La, Sm, Dy, and Yb) oxides in a vacuum at high temperatures, 21:27976
X ray studies of AB_2O_6 compounds, 22:12282
X-ray diffraction study of some binary oxides of tantalum and rare earth elements, 25:38031
X-ray investigation of scale formed upon oxidation of alloys in Nb—Zr system, 23:6647
X-ray studies of α—UMo_2O_8 and α—$ThMo_2O_8$, 21:18345

KOVBASYUK, V. I. Analysis of a scheme of power plant with an MHD generator and thermocompressor, 25:2936
Electrodynamic effects in MHD generator, 22:50070
Influence of nonuniformity of flow parameters and imperfect wall insulation on MHD-generator performance, 24:45073
Solution for a variable problem on flow in a MHD generator, 21:18500

KOVDA, G. A. Nuclear radiation for automatic sorting of ores, 25:51696 (A/CONF.49/P-455)

Survey of development on technology of processing uranium ore in U.S.S.R, 25:18491 (AEC-tr-7190)
KOVDRYA, Yu. Z. Influence of ^{3}He on mobility of positive ions in liquid helium, 22:9264
Mobility of positive ions in ^{3}He—^{4}He solutions, 22:44036
KOVEL'SKAYA, G. E. Cross sections of (n,p) and (n,α) reactions at neutron energy of 14.8 MeV, 22:48499
Cross sections of reactions (n,p) and (n,α) at 14.8 MeV neutron energy, 23:46967
Cross sections of the (n,p) and (n,α) reactions at the neutron energy of 14.8 MeV, 23:5844
KOVENSKAYA, B. A. Electric properties of alloys of LaB_6 with transition metals. I, 25:59182
Electrophysical properties of diborides of Ti, Zr, Hf, 25:760
Physical properties of boride phases of niobium, 24:39712
Some physical properties of the transition metal diborides, 25:49999
Temperature dependence of electrophysical properties of cerium hexaboride with transition metals. II, 23:8311
Temperature dependence of electrophysical properties of alloys of LaB_6 with transition metals. II, 25:59183
KOVENSKII, I. I. Diffusion of Ni in Ni—20 at. percent Mo in electric field, 24:10054
Electric transport and diffusion of Mo in Ni—Mo solid solution, 24:19980
Electrotransfer in molybdenum-base alloys, 21:41598
Electrotransport of Mo in Ni—18 at. percent Mo alloy, 25:29856
Electrotransport of nickel in molybdenum—nickel alloys, 25:32688
Galvanic precipitation of Mo and W from aqueous solutions, 23:13702
High-temperature mobility of atoms of molybdenum—tungsten system components, 21:9165
Sign and degree of ionization of Mo in a Ni—Mo alloy, 23:14878
State of nickel atoms in a nickel—molybdenum alloy, 24:46723
KOVERDA, V. P. Homogeneous nucleation during crystallization of supercooled tin, 25:36316
KOVESI-DOMOKOS, S. Direct-channel resonance model of deep-inelastic electron scattering. I, 25:22759
Direct-channel resonance model of deep-inelastic electron scattering. II, 25:22760
Fully Reggeized scattering amplitudes, 24:47517
Overlapping resonance model of deep inelastic electron scattering, 24:49369 (NYO-4076-9)
Overlapping resonance model of deep inelastic electron scattering, 25:30782
Phenomenological duality, 24:8617 (NYO-4076-4)
Space—time description of hadrons. II, 24:26420
Space—time descriptions of hadrons. I, 24:26421
Space-time description of hadrons, 23:34576 (NYO-4067-2)
Space-time description of hadrons, 23:34575 (NYO-4067-1)
KOVETZ, A. Central pressure and temperature in convectively stable stars, 24:3063
Critical parameters for supermassive objects in general relativity, 25:943
Isentropic stars in general relativity, 23:41792
Limits on the density and temperature of massive spheres in general relativity, 23:39128
Maximal masses of ^{56}Fe and ^{56}Ni stars, 24:23561
Maximal red shifts of neutron stars, 24:19593
Relativistic isentropic stellar models, 24:39748
Slowly rotating polytropes, 23:8379
Thermodynamics of white dwarf matter, 25:11549
Upper limit to mass formed in a radiation-dominated universe, 24:51375
KOVETZ, Attay Influence of magnetic field on Schwarzschild's criterion for instability, 22:8916
Schwarzschild's criterion for convective instability in general relativity, 21:35237
Some extremal properties of massive spheres in general relativity, 22:52382
Variational principle governing oscillations of gaseous masses, 21:3606
KOVNER, D. S. Experimental study of the influence of longitudinal magnetic field on convective heat transfer in turbulent pipe flow of conducting fluid, 21:20830
Influence of transverse magnetic field on convective heat exchange during turbulent flow of conducting liquid, 22:43970
Losses and efficiency coefficient for plane channel of liquid-metal-conducting MHD machines, 22:43961
Modeling channel characteristics of dc MHD machine, 25:4995
Velocity and resistance during turbulent flow in longitudinal magnetic field, 24:17736
KOVNER, M. S. Radiation excited by a shock wave at the magnetosphere boundary, 21:5171
KOVOOR, A. Restoration of x-ray damaged plant tissue cultures by nucleic acids and related products, 23:12132 (AEC-tr-6646/4A, pp 83-9)
KOVPAK, N. E. Investigation of field structures and calculation method of an accelerator resonance system on a wave H/sub 11n/, 22:26749
Linear accelerator of protons with 2.5 MeV energy on H/sub 11n/ wave, 22:35187
KOVPIK, O. F. Effect of external hf modulation of the electron beam on energy and temperature of accelerated plasma electrons at beam instability, 23:34417
Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
Investigation of particle energy and conditions of excitation of low frequency oscillations in a plasma formed by the growth of instabilities in a beam-plasma system, 21:16939
Measurement of the time behavior of temperature in a plasma—beam discharge, 23:32403
KOVRAZHKIN, R. A. Pitch distribution of protons precipitating from auroral radiation region in range of hundreds of keV, 25:45366
KOVRIGIN, O. D. Conversion electron spectrum of an iridium fraction, 21:25552
Investigation of the iridium fraction radiation, 22:11954
New data on level scheme of ^{110}Cd, 25:25756
Transitions in ^{188}Os, 22:44713
KOVRIZHNIKH, L. M. Effect of longitudinal electric field on toroidal diffusion, 25:1166
Neoclassical effects on plasma equilibria and rotation, 25:38465 (CONF-710607-35)
KOVRIZHNYKH, L. Increasing classical coefficients for transport across a strong magnetic field, 25:40592
Perturbation of magnetic surfaces in a rotating high-β toroidal plasma, 24:42698
Transfer processes in toroidal systems, 23:3443 (NP-tr-1701)
Transport processes in toroidal systems, 23:6975
KOVRIZHNYKH, L. M. Certain nonlinear effects in noncolliding plasma and possible prospects of their use, 23:34473 (AD-682974)
Effect of an electric field on transfer processes in axially symmetric magnetic traps, 25:38335 (CONF-710607-28)
Influence of the non-equipotentiality of the magnetic surfaces on the transport processes in stellarators, 24:12778 (CTO-674)
Interaction of high-frequency transverse waves with a turbulent plasma, 21:15139
Magnetic field structure in L-1 stellarator with $l = 2$, 23:46503 (NP-tr-1825)
Magnetic field structure of type L-1, two-pass stellarator, 23:36725 (NP-17948)
Nonlinear effects in collisionless plasma and utilization, 21:18730
Nonlinear production of plasma waves by beam of transverse waves. II, 21:5276
Nonlinear theory of current instability in a non-isothermal plasma, 21:9630
Possible mechanism of plasma diffusion in stellarator L-1, 24:5151 (CONF-690619-15)
Quasilinear theory of ion-acoustic waves, 21:3860
Statistical theory of nonlinear particle—wave interactions in plasma. I, 23:32412 (NP-17885(Pt.1))
Statistical theory of nonlinear particle—wave interactions in plasma. II, 23:32413 (NP-17885(Pt.2))
Statistical theory of nonlinear particle-wave interaction in a plasma, 24:12855 (AEC-tr-7129)
Theory of nonlinear wave interactions in plasma, 21:18733
Towards a theory of the nonlinear interaction of waves in a plasma, 23:34471 (AD-679686)
Transfer processes in toroidal magnetic traps, 23:25285
Transport processes in toroidal magnetic traps. I, 24:42644 (NP-18340)
Transport processes in toroidal magnetic traps. II, 24:42678 (NP-18341)
Turbulent heating of ions in a current of nonisothermal plasma, 21:27121
KOVRIZHNYKH, O. M. Certain luminosity characteristics of ionization calorimeter installed in proton satellite, 22:40432
Energy spectrum of primary cosmic rays in region of 10^{10} to 10^{14} eV, 21:31269
Measurement by Proton-1 of effective cross sections of interactions between inelastic protons and C nuclei with energies of 10^{10} to 10^{11} eV, 21:29445
Measurement of solar protons from July 7, 1966 flare, 25:55991
KOVRIZHNYKH, V. M. Increasing the sensitivity of the direct spectrographic determination of microimpurities in niobium pentoxide, 25:48448
KOVROV, P. E. Distribution of the magnetic field in a coaxial plasma injector, 21:29229
Experimental confirmation of the existence of stationary self-compressing plasma currents, 22:39095
KOVTANYUK, N. F. Effect of fast neutron irradiation on dislocation density in silicon, 22:37032
KOVTOUNE, R. I. Resonant interaction of charged particles with a cyclotron wave, 25:59096
KOVTUN, A. A. Spatial distribution of geomagnetic pulsations, 24:39982
KOVTUN, G. P. Effect of Ti coatings on W, 23:43992
Phase transition in vanadium, 24:2958
Some possibilities of zone melting for purification of molybdenum and vanadium, 21:34872
Vapor pressure of molybdenum as related to purity, 21:36852
Zone refining of molybdenum, 21:3477
KOVTUN, R. I. Charged particle paraxial motion in a constant spatially modulated magnetic field, 21:27275
Charged particle paraxial motion in the field of an l-1 helical winding, 21:35373
General principles of asymptotic computation of the interaction of charges with space-modulated magnetic fields, 21:33553
Nonlinear interaction between low-density relativistic electron beam and plasma, 24:35423
Nonlinear interaction of electron beams with plasma, 25:43365
Resonance charge interactions with a space-periodical magnetic field in a nonparaxial case, 22:17383
Slow movement of charges in space-periodic magnetic field, 23:49292
Statistical analysis of oscillations excited in a plasma—beam system, 25:9535
KOVTUN, S. F. Effect of alloying elements on the titanium at temperatures from -196 to 800°C, 22:4789
Effect of alloying on the elastic modulus, strength and plasticity of titanium at -196 to 800 C, 21:45918
KOVTUN, V. A. Obtaining unipolar ionization by means of radioactive ionizers, 21:6357
KOVURA, Yu. A. Determination of the anisometry of large-scale ionospheric inhomogeneities by radioastronomic methods, 21:25023
Preliminary results in determining the anisometry of large ionospheric inhomogeneities by the radio astronomy method, 21:25022
Radio astronomical investigations of the parameters of large-scale ionospheric inhomogeneities, 24:10445
KOVYRSHIN, V. G. Properties and behaviour of moderator materials under irradiation, 25:52467 (A/CONF.49/P-452)
KOVYRZINA, K. A. Investigation of radiation stability of some partially hydrogenated polyphenyls, 22:42770
KOWAL, C. Palomar supernova search, 1968, 23:39144
KOWAL, C. T. 1969 Palomar supernova search, 24:42363
1970 Palomar supernova search, 25:40192
KOWAL, Charles T. Absolute magnitudes of supernovae, 23:30275
Structure of Virgo cluster, 24:51364
KOWALCZUK, A. D. Response of BF_3 counters to neutrons in moderate gamma fields, 24:2474
KOWALCZYK, J. Thermal bleaching of color centers in γ-irradiated KBr crystals, 23:40416
KOWALCZYK, K. Protective effect of cysteamine, 24:32038
KOWALCZYK, Katarzyna Protection by cysteamine from effect of x rays in hamsters, 23:45788
KOWALCZYK, R. Photostimulated emission of exoelectron from plastically deformed NaCl monocrystals containing F centers, 21:18821
KOWALCZYKOWA, Janina Blood in rats after high doses of x radiation, 25:52186
Influence of bis(-3-hydroxypropyl) trisulfide on the peripheral blood in rats irradiated with large doses of x-rays, 25:19131
KOWALCZYNSKA, Hanna Application of /sup 99m/Tc in isotope diagnostics, 23:33774
KOWALCZYNSKI, Jerzy Klemena System for measuring the mass of material by the detection of radiation scattered by the material, 22:10623
KOWALEW, A. Concept of the "SAWA" and "WARS" boiling water reactors, 22:24979 (ORNL-tr-1855)
Concepts of fused salt reactors SAWA and WARS, 21:42772
New boiling salt fast breeder reactor concepts, 21:23643
KOWALEWSKI, K. Uptake of ^{131}I in castrated male rats, 24:31832
KOWALEWSKY, B. W. Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
Projects 62.86 and 62.80. I and II, 21:12546 (PNE-225-F)
Radiological observations and characteristics of fallout debris from nuclear cratering experiment, Shot Danny Boy, 24:46356 (POR-1818)
KOWALEWSKY, Bruce W. Acute gamma irradiation experiments with the lizard Uta stansburiana, 21:32785
KOWALEWSKY, H. Influence of high energy radiation on high-polymers during mechanical load, 25:24673
Leak testing containers and capsules for radioactive materials, 24:27314 (CONF-690540-, pp 141-51)
KOWALIK, A. T. W. Aortic valve homografts sterilized by electron beam energy, 22:19465
KOWALIK, S. Simplified method of analytical determining the coefficient of increase for gamma radiation, 25:57681
KOWALIK, Stanislaw Simplified method of analytical determining of the build-up factor for gamma radiation, 21:19859
KOWALSKA, Antonina Diagonalization procedure for Bose-system Hamiltonian, 21:3939 (RISO-127)
KOWALSKA, K. Determination of static macroparameters for WWR-SM lattices with increased water-to-fuel ratio, 24:31131 (INR-1152)
FLANGE-AL 4 code for the Gier computer, 25:31168 (INR-1260)
KOWALSKA, Krystyna Calculations of WWR—SM lattices, 22:35597 (INR-878/XXI/PR)
HEXACAT-S code for the GIER computer, 25:48341 (INR-1300)
S-III-THERMOS code for GIER computer, 25:51231 (INR-1296)
KOWALSKA, Z. Radiometric inspection of coal blocks, 24:29473
KOWALSKA, Zofia Effect of ionizing irradiation on neoplasms of the central nervous system cultured in vitro, 21:13042
KOWALSKI, A. Bibliography on fast breeding reactors, 1966—69, 25:15340 (NEIC-RR-41)
Bibliography on pressurized water power reactors, 1957—68, 24:47688 (NEIC-RR-39)
Cosmic ray NM-64 neutron monitor data from Kula, Hawaii, 23:34287 (AECL-3282)
Cosmic ray NM-64 neutron monitor data from Kula, Hawaii, and monthly graphs, 1—12/69, 24:28122 (AECL-3562)
Cosmic ray NM-64 neutron monitor data from Kula, Hawaii, and monthly graphs, 1—12/70, 25:40397 (AECL-3906)
KOWALSKI, Antoni Radiation induced oxyhydrolysis of tetrachloroethylene, 24:27127
KOWALSKI, B. R. Analytical function for describing gamma-ray pulse-height distributions in NaI(Tl) scintillators, 22:38073
Ultra-trace mass spectrometric metal analysis, 23:34975
X-ray emission analysis of high atomic number elements, 23:11417
KOWALSKI, E. Application of low geometry coincidence methods in measurements of disintegration rates, 21:1623
Application of low-geometry coincidence methods to measurements of disintegration rates, 22:14772
Criteria for the selection of solutes in liquid scintillation counting: new efficient solutes with high solubility, 21:24200
Current position of liquid scintillators in radioactivity measurements, 24:46481
Easily readable personnel dosimeter for small measurements, 23:20006 (CONF-680507-, pp 237-42)

Nuclear electronics, 24:33911
Performance parameters of some new efficient and highly soluble solutes for liquid scintillators, 21:14468
Performance parameters of some new efficient and highly soluble solutes for liquid scintillators, 23:2596
Proposal for a multiple stop time-to-pulse-height converter, 21:28316
Use of a universal detector in radiation protection, 24:27334 (CONF-690540-, pp 168-73)
KOWALSKI, J. Lifetime measurement of the $3d^{9}4s$ 4p ^{4}P/sub 3/2/ state of Cu with optical double resonance, 22:9068
KOWALSKI, K. L. Angular momentum dependence of off-shell amplitudes, 22:3760
Multiple-scattering expansions for moderate-energy particle-deuteron scattering, 25:45902
Off-shell continuations of the two-particle transition matrix with bound states, 25:34176
Polarization in elastic nucleon—deuteron scattering, 24:21992
Polarization in elastic nucleon—deuteron scattering, 24:52411
Quasi-unitary three-particle approximations, 24:18304
Tensor decomposition of the transition operator, 22:46540
Three-particle scattering problem, 25:20103 (NP-18707)
Two-particle off-shell equations for negative energies, 21:2527
Two-particle resonance-pole dominance approximations in three-particle scattering, 24:28630
Unitary representation of multichannel amplitudes, 22:48376
KOWALSKI, L. Angular distribution of fission fragments from ^{170}Yb compound nucleus, 25:17860 (CU-1019-76)
Angular distribution of fission fragments from the ^{170}Yb compound nucleus excited to 107 MeV, 25:31371
Bohr-independence hypothesis for nuclear reactions in the continuum, 24:15938
Complete-fusion collisions in heavy-ion reactions, 22:29945
Cross sections for formation of compound nuclei in heavy-ion reactions, 25:3611
Fissionability as a function of angular momentum for ^{181}Re compound nucleus at an excitation energy of 70 MeV, 24:24568
Particles emitted from ^{75}Br compound nuclei formed in two ways: ^{12}C + ^{63}Cu and ^{16}O + ^{59}Co, 22:53151
Protons and alpha particles emitted from ^{75}Br compound nuclei with differing angular-momentum distributions, 25:12461
Reaction cross section for low-energy alpha particles on ^{59}Co, 22:26956
Reaction cross sections of excited nuclei, 22:3652
Test of independence hypothesis: spectra of alphas and protons from ^{59}Co + α and ^{62}Ni + p, 22:20544
KOWALSKI, M. Radioisotopic exchange between chlorine gas and molten $PbCl_2$—KCl, 22:4124
KOWALSKI, Mieczyslaw Genetic analysis by transduction of Rhizobium meliloti mutants, 25:27103
Lysogeny in Rhizobium melilotti, 22:36418
Transducing phages of Rhizobium meliloti, 25:27104
KOWALSKI, S. Electroexcitation of the low-lying states of ^{16}O, 24:20330
High resolution spectrometer design study for MIT-LNS 400 MeV linear electron accelerator, 23:8876 (TID-24667, pp 39-89)
Medium energy nuclear physics with electron linear accelerators, 23:9006 (TID-24667)
Photoprotons from Li and C with 100-MeV bremsstrahlung, 22:26834
KOWALSKI, T. Geomagnetic bending and angles of approach of cosmic rays, 24:37289
KOWALSKI, T. L. Refrigerated liquid hydrogen targets at the ZGS, 23:28085
KOWALSKI, Tadeusz Position of the cosmic equator in the zero meridian region, 22:36766
KOWALSKI, Zdzislaw Apparatus for β particles backscattering analysis in mixtures of close atomic numbers, 22:23342
KOWALSKY, L. Measurements of the cross sections for formation of compound nuclei in heavy-ion reactions, 25:45991
KOWALSKY, William P. Intracavitary irradiation of carcinoma of cervix uteri, using linear distribution of sources, 25:6750
KOWARSKI, A. Determination of integrated plasma concentrations and true secretion rates of human growth hormone, 25:26579
KOWARSKI, Avinoam Double isotope dilution techniques for measurement of plasma aldosterone, 24:22592
Measurement of plasma aldosterone by radioimmunoassay, 25:21536
KOWARSKI, L. Recognition of visual data in high-energy physics, 25:37647
User relations in U. S. accelerator laboratories, 21:25358 (CERN-67-4)
KOWASHIMO, N. Linear plasma current multipole experiment, 24:42716
KOWATSCHEW, I. Influence of Nb_2O_5, MnO_2, ZrO_2, and Na_3AlF_6 on recrystallization of corundum, 22:31485
KOWN, Bong Taick Ion-exchange reactions of radioactive ions with soils and effects of organic compounds, 21:40984
KOWNACKA, Ludwika Calculation of the relative concentration of the radioactive particles falling on the earth surface, 25:48658 (CLOR-83/D)
Origin and evolution of the radioactive clouds, 25:26357 (CLOR-81/D)
KOWNACKI, J. 880 ns isomeric state in ^{144}Sm, 25:36792
Decay scheme of ^{125}Xe, 24:13392
Directional correlations of gamma rays in ^{125}I, 25:5764
Effect of one-phonon admixtures of the M1 and E2 transition rates in ^{125}I and ^{127}I, 22:5813 (INR-P-812/IA/PL)
Electromagnetic transition probabilities in ^{151}Eu, ^{149}Sm, and ^{147}Sm isotopes, 24:47645
Properties of 321 keV $^{9}/_{2}^{-}$ level in ^{123}Te, 22:32600
Properties of low-energy excited states in ^{125}I and ^{127}I, 22:9894
KOWNACKI, Jan Adaptation of a long-lens beta-ray spectrometer for the measurement of short nuclear lifetimes, 25:29358
Probabilities of electromagnetic transitions in nuclei with mass number 125 less than or equal to A less than or equal to 153, 24:38206 (INR-1149)
KOWNAKCI, J. Levels in closed neutron shell nuclide ^{144}Sm, 24:22139 (INR-1109)
KOWNASOWA, T. Analysis of state of health of workers in chemical industries producing products made of synthetic material, 23:6604
KOWYAMA, Y. Radiosensitivity and polyploidy in some non-tuber bearing Solanum species, 24:12329
KOWYAMA, Yasuo Recovery of the mitotic inhibition induced by x-rays and polyploidy in some Solanum species, 24:48745
KOXUKA, Hiroshi Neutron activation analysis of upper layer paint chips of car, 23:33165
KOYAMA, Hideyuki CP-violation in eta, K^{0} decays, and $\Delta I = 2$ selection rule, 22:32191
Parity violating amplitudes for nonleptonic hyperon decays, 21:13694
Superconductivity model with chiral SU(3) x SU(3) symmetry properties and weak decays of elementary particles, 22:17994
KOYAMA, K. Dimensional and property changes of graphites irradiated at high temperatures, 22:52298
Dimensional changes in pyrolytic carbon by neutron irradiation, 24:27898
Evaluation of candidate graphites for PSC core-support applications, 22:27414 (GAMD-8371)
Graphitic materials hot-worked with a dispersed liquid carbide, 22:45817
Interpretation of dimensional changes caused in pyrolytic carbon by high-fluence neutron irradiation, 24:1101 (GA-9600)
Measurement of conductivity of seeded flame plasmas, 22:41565
Stability of hard superconductors in changing magnetic field plus superimposed direct magnetic field, 25:45407
Thermal expansivities and preferred orientation of pyrolytic carbons, 22:11096
KOYAMA, Kanehiro Rapid radiochemical determination of ^{106}Ru in marine organisms, 24:20720
KOYAMA, Karl Laser-pulse method of determining thermal diffusivity and thermal conductivity of graphite between 300° and 3300°K, 25:11487 (GA-9168)
KOYAMA, Keiji Behaviors of flux $CaCl_2$ in Ca-reduction process of ThO_2, 21:34876
Processing of Ta metal, 23:15957
Studies on the reduction of thoria by calcium, 22:4080
KOYAMA, Kenichi Measurement of the electrical conductivity of seeded flame plasmas, 22:17636
Production of saddle-shaped superconducting magnet, 23:30457
Superconducting coils for MHD generators, 22:48053
Superconducting pancake coil, 22:44033
KOYAMA, Kinji Data processing system in FCA, 25:46295 (KURRI-TR-75, pp 20-3)
Dynamic of power reactor, 24:11300
Estimation of burn-up from γ-ray energy spectrum of fission products, 25:51387 (JAERI-13754)
Method of measurements of α-value of ^{239}Pu and Doppler effect of ^{238}U in resonance region, 25:48074 (JAERI-13491)
KOYAMA, Koichiro Aging characteristics of Cu—Be—Sn alloy, 25:29830
KOYAMA, M. Rapid separation of radioactive Cs, 24:14021
Separation of radioactive elements by the electrolytic chromatography, 24:31454
Solvent extraction and spectrophotometric determination of cesium ion with chromium complexes, 21:32126
KOYAMA, Masaki Analysis of radiation in moving plasma, 24:1412
Determination of B in several media by prompt gamma analysis, 22:44
Half-column type PIN diode, 22:19119
Internal amplification α detector, 22:23297
Radiation detection using the parallel channel electron multiplier, 23:45520
KOYAMA, Mutsuo New spectrophotometric method for the determination of technetium with 1,5-diphenylcarbazide, 21:4450
Photochemical behavior of hexachlorotechnetate(IV) ion, 22:51024
Photochemical reaction of Tc(IV) chlorocomplexes, 22:8116
Rapid separation of radioactive nuclides by the electrolytic chromatography, 22:51074
Solvent extraction and spectrophotometric determination of the pertechnetate ion with methyl violet, 21:23845
Solvent extraction of alkali metal ions with chromium complexes, 22:35913
KOYAMA, S. Short-range dating of fresh nuclear debris, 21:39058
KOYAMA, Seitaro Geochemical behavior of fresh nuclear debris of known origin in the atmosphere, 21:28100
Geochemical fractionation of ^{239}Np in fresh nuclear debris through the atmosphere, 21:34341
Geochemical fractionation of induced radionuclides in fresh nuclear debris, 23:26368
Separation and detection of ^{237}U from fallout, 23:9520
Separation and detection of Ce from radioactive fallout, 24:20725
Short-range dating of fresh nuclear debris, 23:9572
KOYAMA, Shigeo Analysis of dynamic characteristics of a PWR nuclear plant, 25:18119
Analysis of dynamic characteristics of a PWR nuclear plant, 25:51050
Numerical methods for solving one-point reactor kinetic equations, 25:10312
Numerical methods for solving one-point reactor kinetic equations, 25:51238
KOYAMA, Shin-Ichiro Gross theory of beta-decay and the nuclei far from the region of beta-stability, 25:28442 (CERN-70-30(Vol.1), pp 397-419)
Gross theory of β decay and application to Fermi matrix element, 25:12690
KOYAMA, Shinji Effects of Mn, Si, Cr, and Ni on reaction of solution and precipitation of Nb nitride in Fe austenite, 25:58268
KOYAMA, Takeko Protein synthesis in lens and its disturbance. II, 25:26649
KOYAMA, Takenobu Welding of primary shielding materials for the Mutsu nuclear ship, 25:49394
KOYAMA, Takeo Feature establishment of fuel cycle in Japan, 24:31072
KOYAMA, Yoshio Behavior of small amounts of thorium in the separation of heavy rare earth elements by ion exchange, 25:6403
KOYAMA, Yukihiko Graft-polymerization of styrene on polyethylene single crystals, 22:27752
KOYANAGI, M. Depression of excess Hall current due to electric field above T/sub c/, 25:38310
Enhanced diamagnetism above superconducting transition point, 24:6478
Nonlinear diamagnetism due to the fluctuation superconductivity, 24:19823
Optical studies of $^{3}(n,\pi^{*})$ magnetic sublevels in benzaldehyde, 25:34592
KOYANAGI, Masao Nonlinear response above the superconducting transition point. IV, 25:40558
KOYANAGI, Motohiko Emission spectra of pyrazine and deuterated pyrazines, 25:46482
KOYANAGI, T. Environmental considerations and public acceptance aspects of nuclear plant site selection in coastal area in Japan, 24:45923 (CONF-700810-42)
Recent waste management program in Japan and the studies on behavior of radionuclides in marine environment for hazard evaluation of sea waste disposal, 25:51651 (A/CONF.49/P-850)
KOYANAGI, Takami Dynamic characteristics of cylindrical ionization chamber, 24:7637
Fundamental studies on radiation thickness gage. III, 23:43618
Fundamental studies on radiation thickness gauge. V, 25:18825
Radiation thickness gage. IV, 24:25320
KOYANAKA, Y. Investigation of separation of fission products by flotation, 23:4712 (KFK-tr-232)
Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
Separation of fission products by flotation method, 23:4713 (KFK-tr-233)
Separation of fission products by flotation methods, 23:4714 (KFK-tr-242)
KOYANAKA, Yoshio Collection of uranium from sea water by galena, 24:46331
Decontamination characteristics of evaporation facilities, 23:45498
Decontamination characteristics of low-level radioactive liquid-waste treatment plant, 23:45499
Nature of radioactive sludge produced by precipitate flotation, 24:31664
Removal of fission product by flotation: removal of ^{95}Zr—^{95}Nb, 23:7716 (KURRI-TR-24)
Removal of fission product by flotation: removal of Ce, 23:7714 (KURRI-TR-19)
Removal of fission product by flotation, 23:7715 (KURRI-TR-21)
Separation of fission product by flotation method, 22:12409 (NSJ-tr-90)
Treatment of fuel-reprocessing liquid wastes by the flotation method. VII, 23:2388
Treatment of nuclear fuel reprocessing liquid wastes by flotation method, 23:15953
Treatment of nuclear fuel reprocessing wastes by flotation method, 23:24291
Treatment of radioactive liquid wastes by flotation method, 24:36351 (KURRI-TR-73)
Treatment of radioactive waste regenerant of ion exchange resin, 24:2271
Treatment of the radioactive sludge produced by precipitate flotation method, 25:21153
KOYANO, A. End-window counting of tritium radioactivity by scintillation phosphor combined with prismatic light guide, 21:26181
Scintillation probe for continuous monitoring of tritiated water, 21:43264
KOYANO, Nobumitsu Neutron crystal monochromator, 23:47274
KOYAVA, V. K. Large-size neutron counters for super monitors, 23:41006
KOYCHEV, K. Influence of antibody formation on permeability of erythrocytes, 25:18900
KOYDAN, V. S. Some aspects of heating a plasma by a straight discharge current, 24:6511 (NP-tr-1862)
KOYIMA, Kazuhiko Congenital minor anomalies in mentally retarded children, 23:48253
KOZACHENKO, M. R. Mutation of spring barley hybrids induced by gamma rays, 24:48516
KOZACHENKO, M. V. Properties of W—BN system, 22:762
KOZACHOK, I. A. Approximate problem formulation in slowing down of neutrons, 22:33563
Distribution of moderated neutrons in a medium bounded with a spherical surface, 22:41939
Slowing down of neutrons from a point source in a semiinfinite medium, 24:49235
Slowing down of neutrons in a cylindrical bounded medium, 22:50517
Slowing of the neutrons of a stationary point source in an infinite multicomponent medium, 25:48005
KOZAK, Danuta Molybdenum recovery from alkaline slag, 25:26348
KOZAK, E. I. Molecular beam scattering from single crystal surfaces under ultrahigh vacuum conditions, 25:23931

- KOZAK, George P. Acromegaly pre- and postpituitary irradiation, 21:28620
- KOZAK, John J. Relaxation to quantum statistical equilibrium of the Wigner—Weisskopf atom in a one-dimensional radiation field. II, 24:32677
  - Relaxation to quantum-statistical equilibrium of the Wigner—Weisskopf atom in a one-dimensional radiation field. I, 24:32679
  - Relaxation to quantum-statistical equilibrium of the Wigner-Weisskopf atom in a one-dimensional radiation field. III. Quantum-mechanical solution, 25:47348
- KOZAK, O. V. Effect of plasma concentration on electron temperature measurement, 22:24261
  - Limited discharge with glowing cathode in magnetic field, 24:17917
  - Nature of high-frequency instability of low-pressure discharge in magnetic field, 24:1442
  - Stability of intense quasi-stationary discharge in a magnetic field, 25:1224
- KOZAKI, S. Propagation of electromagnetic pulse with Gaussian envelope in inhomogeneous ionized media, 24:3242
- KOZAKIEWICZ, Alicja Complications occurring after five years in patients with carcinoma of the cervix uteri subjected to radiotherapy, 22:31127
- KOZAR, M. I. Effect of ionizing radiation on food products, 25:16390 (JPRS-52121, pp 63-8)
  - Effect of ionizing radiation on food products, 25:21998
- KOZEKI, Moribumi Pressure-suppression type containment vessel for a mobile reactor, 23:37679
  - Study on curved pipe steam generator, 25:18586
- KOZEL, I. A. Reversible magnetic focusing of electron beams, 23:49285
  - Thermal-velocity effect in the focusing of a tubular electron beam by a uniform magnetic field, 22:53060
- KOZEL, I. Sh. Pulsation of a boundary of a hollow cylindrical electron stream at its focusing by an axially symmetric magnetic field, 21:24936
- KOZEL, Philip Charles Leaching of gibberellin-like substances from the foliage of Chrysanthemum morifolium cv. Princess Anne, 22:20993 (NYO-2598-33)
- KOZELTZEV, V. L. Microbiological method of synthesis of ^{32}P-labelled adenine nucleotides, 23:7936
- KOZHAMBERDIN, N. A. Solubility of cerium in copper and its effects on the properties of brasses, 24:48838
- KOZHAMKULOV, T. A. Interaction of one-particle and collective excitations in odd nuclei near Pb, 25:36753
- KOZHARSKII, V. V. Activity of oxidation-reduction enzymes in liver of rats in oral administration of radon-containing water, 25:32588
- KOZHEMYAKINA, T. A. Role of clay in ^{90}Sr availability to plants, 22:8539
- KOZHENIKOV, N. I. Structure of the CO layer in solar atmosphere, 23:51270
- KOZHENOV, K. S. Installation for the measurement of the electric conductivity and thermoelectromotive force of radioactive catalysts, 22:38155
- KOZHEVNIKOV, A. V. Dynamics of electron beam in 1.5 GeV synchrotron, 24:35771
  - Experimental investigation of the influence of quantum fluctuations of radiation on the motion of electrons in the 1.5-GeV synchrotron, 23:28002
  - Experimental investigation of variation of electron beam cross dimensions in 1.5 GeV synchrotron, 22:29797
  - Experimental study of the linear polarization of synchrotron radiation of high-energy electrons, 25:22944
- KOZHEVNIKOV, D. A. Calculation of the neutron characteristics of rocks, 21:25400 (UCRL-Trans-10087)
  - Moderating ability of neutron inelastic scatterers, 23:32892
  - Moderation of resonance neutrons in matter. II, 24:43099
  - Moderation of resonance neutrons in matter. I, 24:43098
  - Neutron age in hydrocarbons, 22:32466
  - Slowdown of neutrons in an absorbing medium, 22:32467
- KOZHEVNIKOV, I. V. Activity of the hydrated metal ions in hydrolysis of tert-butyl fluoride, 24:18968
  - Broensted type equation for solvolysis of tert-butyl halides under action of metal ions, 25:54548
- KOZHEVNIKOV, N. I. An empirical model of sunspot activity within the limits of the solar activity cycle, 22:52328
  - Behavior of lines on solar disk, 22:45900
- KOZHEVNIKOV, S. P. Radiation polymerization in binary system maleimide monomer—fluorene, 23:6184
- KOZHEVNIKOV, S. Yu. Contrasting of thoracic duct, 24:17088
- KOZHINA, I. I. Certain properties of uranium pentoxide, 21:8245
  - Region of glass-formation in As—Se—Cu system, 22:19660
  - Thermal decomposition of uranium oxides in a vacuum, 22:8046 (JPRS-42561)
- KOZHINA, I. N. Gene-controlled radiation sensitivity in yeast. II, 23:6418
- KOZHINA, T. N. Gene-controlled radiation sensitivity in yeast. I, 23:6417
  - Gene-controlled radiation sensitivity in yeast. III, 23:14288
  - Uv-radiosensitivity of Saccharomyces cerevisiae, 23:45714
  - Yeast mutant, supersensitive to ultraviolet radiation, 22:47519
- KOZHUKHOV, V. N. Flux densities and spectral indices for sources in 3C and 3CR catalogs, 23:16589
  - Observations of cosmic radio sources at 60 Mc, 24:23624
  - Some pulsar spectra in meter wave range, 25:24772
- KOZHUSHNER, M. A. Nuclear polarization by dynamic cooling, 23:14917
- KOZIELSKI, Joseph W. Anatomic localization in isotope photoscans. The radiophotoscan, 24:36786
- KOZIK, B. Correlation theory of neutron multiplication in nuclear reactors, 21:19484
  - Statistical model of point two-zone reactor systems, 21:5701 (JINR-P-2828)
  - Statistical model of two-zone point reactor systems, 22:44916 (ANL-Trans-651)
- KOZIK, M. Effect of ionizing radiation on rat brain, 24:29875
- KOZIK, Miroslaw Histochemistry of Purkinje cells in homogenization necrosis, 24:34082
- KOZIMA, H. Nonlinear effects on a parametric excitation of ion plasma waves, 25:49949
- KOZIMA, Masuo Separation of Sc, Y, the rare earths, Th, and U(VI), 23:26348
- KOZIMA, Tsuneo Stability of chlortetracycline, tylosin, and furylfuramide against low level of ionizing radiation, 22:21421
- KOZIN, B. D. Analysis of elastic scattering of polarized 3.4 MeV neutrons by S, Cu, Zn, and Zr nuclei, 21:44619
  - Optical model analysis of elastic scattering and neutron—nucleus polarization over 4-MeV range, 22:24918
  - Parameters of nuclear optical model from data on 1.5-MeV neutron elastic scattering, 22:24840
- KOZIN, I. D. Geophysical processes and cosmic-ray variations during a magnetic storm, 22:47856
  - Geophysical processes and cosmic-ray variations at the time of a magnetic storm at Vostok station, 22:52631
- KOZIN, L. F. Interactions in the gold—cadmium—mercury system, 25:690
  - Phase diagram of the mercury—indium system, 25:55536
- KOZIN, S. A. Comparison of the specific effects of ultraviolet and x rays on mutability of yeast, 22:31020
- KOZIN, V. P. Effect of an internal target on the dynamics of the beam in a storage ring, 25:41142 (UCRL-Trans-1436)
  - Movable shields for shaping azimuthal fringing fields in a cyclic magnetic system with slots, 25:22939
  - Multichannel apparatus for remote determination of the intensity of constant magnetic fields, 23:31591
- KOZINA, G. K. Wetting of refractory carbides with liquid metals, 23:12422
- KOZINA, L. E. Interaction of thorium tetrabromide hydrate with dimethyl sulfoxide, 22:33321
  - Reaction of thorium halides, nitrates, formates, and isothiocyanates with carbamides, 21:42931
  - Synthesis and some properties of complex formate compounds of thorium, 22:33322
  - Synthesis of certain urea-containing thorium compounds in the absence of solvent, 23:4632
- KOZINA, L. N. Reduction of carbon oxide in liquid molybdenum, 24:48841
  - Solubility of nitrogen in liquid niobium and molybdenum, 23:27080
  - Solubility of oxygen in liquid molybdenum, 24:21370
  - Thermodynamic analysis of the deoxidation of liquid molybdenum, 24:27768
- KOZINA, T. N. Effects of mutations towards ultraviolet sensitivity in yeast, 24:31949
- KOZINETS, G. Anaemia and other blood diseases induced by radiation, 25:44901
  - Effect of γ irradiation on human blood-plasma proteins, 22:52096
  - Effect of γ irradiation on tetracyclines, 22:52102
  - Problems of accidental radiation, 23:9967
  - Radiation and control of the immune response, 22:51414
  - Radiation effects on the lymphocytic cell renewal system, 25:44950
  - Radiation sterilization in medicine: present applications and future prospects, 21:28710
- KOZINETS, G. I. Effect of polyglucine on course of radiation sickness, 21:1779
- KOZINETS, G. J. Current problems of bone marrow transplantation, 21:24514
- KOZINETS, V. V. Thermal conductivity of some metals and alloys at 4.2 to 273°K, 21:34904
- KOZINSKI, Andrzej Fragmentary transfer of ^{32}P labeled parental DNA to progeny phage III, 21:22253
- KOZINSKI, Andrzej W. Early intracellular events in replication of T4 phage DNA. IV, 22:30953
  - Early intracellular events in the replication of bacteriophage T4 deoxyribonucleic acid. V. Further studies on T4 protein-deoxyribonucleic acid complex, 25:26570
- KOZIOL, H. Beam diagnostics at the CERN PS booster, 25:50363
  - CERN electron storage and accumulation ring, 22:32250 (CEAL-2000, pp 86-9)
  - Experiments in the longitudinal phase space with the CESAR, 24:10882
  - Experiments in the transverse phase space with the CESAR, 24:10883
  - Experiments with the CERN electron storage and accumulation ring (CESAR), 21:29730
  - Measurements of stacking efficiency with CERN electron storage and accumulating ring, 21:29656 (CERN-67-11)
  - Periods of phase oscillations as a function of amplitude, 22:3556 (CERN-67-29)
  - Recent experiments with CESAR (electron storage and accumulation ring at CERN), 22:11810
- KOZIOL, J. J. Burnable poison additions to UO$_2$, 21:34169 (CEND-3107-306)
  - Irradiation testing of ceramic fuels, 22:41082 (CEND-2936-335)
  - Irradiation testing of UO$_2$ fuel elements containing burnable poison additions, 22:4909
  - Prog. rpt. on burnable poison additions to UO$_2$, 4—9/66, 21:10214 (EURAEC-1754)
  - Prog. rpt. on correlations between sensitization and stress corrosion cracking of 300 series stainless steel, final, 9/66, 21:4899 (CEND-3256-264)
  - Prog. rpt. on development and testing of UO$_2$ fuel systems for water reactor applications, final, 7/61—6/65, 21:18311 (CEND-2863-243)
  - Prog. rpt. on Power Burst Facility fuel rod prototype out-of-pile thermal tests, final, 3/65, 21:17517 (CEND-235)
  - Testing of UO$_2$ fuel elements containing burnable poison, 23:8348
- KOZIOL-BARTNIKOWA, Wieslawa Mice subjected to thymectomy and their hematopoietic organs after a whole-body x-irradiation with 500-R dose, 23:2943
  - Serum protein changes in acute radiation disease in thymectomized mice, 22:28379
- KOZIOROWSKI, J. Control sequence system for automatic activation analysis, 22:2472
- KOZIS, E. V. Temperature dependence of Hall effect and paramagnetic susceptibility of Zr and Re, 23:8692
- KOZITSKII, S. V. Generation of the exciton—impurity complex by fast electrons, 23:25436
- KOZLEV, Yu. P. Free radical processes in gamma-irradiated animal tissue homogenates. II, 22:49499
- KOZLOV, A. A. Kinetics of oxidation by ozone of Np(VI) to Np(VII) in alkaline solutions, 24:38851
  - Study of kinetics of benzoic acid extraction with toluene by isotopic exchange method, 25:34584
- KOZLOV, A. E. Determination of hydrogen in gases by proton recoil, 24:41222
- KOZLOV, A. G. Mean kinetic energy of fragments at fission of ^{237}Np by neutrons, 22:44693
  - Plutonium-238 + Be neutron sources, 23:37090
- KOZLOV, A. M. Concerning reactions of UO$_2$ and MoO$_3$ in molten NaF—LiF eutectic, 23:40628
- KOZLOV, A. P. Formation of braking radiation beam of medical betatron, 25:59651
  - Planning of supervoltage therapy of malignant tumors using electronic computers, 25:49200
  - RBE of fast electrons generated by LUE-25 linear accelerator, 25:32560
  - Selection of conditions for rotation irradiation on gamma-therapeutic apparatus Rokus, 25:19067
  - Sterling's method for calculation of isodose curves, 25:524
- KOZLOV, A. T. Effect of the melting conditions with an electron beam on the properties of tungsten, 25:16474
- KOZLOV, B. F. Emergency personal n-γ radiation dosimeters, 25:10881
- KOZLOV, F. A. Contamination of Na heat carrier, 23:50985 (JPRS-48330, pp 486-517)
  - Continuously-active indicator for the diffusion of hydrogen in sodium, 25:11400
  - Detection of water penetration into sodium, 24:52931
  - Determination of O and H in Na, 21:30356 (ORNL-tr-1612)
  - Fast neutron reactor technology, 24:18598
  - Precipitation of oxides from a sodium stream, 22:12973
  - Purification problems of a sodium heat carrier, 23:50021 (JPRS-48330, pp 518-52)
  - Questions concerning the detection of the entry of water into sodium, 25:1878 (ANL-Trans-857)
- KOZLOV, F. N. Niobium precipitation on liquid zinc cathode, 25:13642
  - Preparation of niobium carbide, 25:38002
  - Preparation of silicides of Ti, Nb, and Ta by hydrogen reduction of chlorides, 24:27750
- KOZLOV, G. D. Theory of hydrostatic extrusion of brittle metals, 21:24765
- KOZLOV, G. I. Calculating state of argon behind incident stock wave at Mach numbers from 20 to 50 with excitation, multiple ionization, and Coulomb interaction being taken into account, 22:50197
  - Calculation of the characteristics of a stabilized arc discharge, 22:9361
  - Continuous absorption of partially ionized xenon in the visible region of the spectrum, 25:14280
  - Effect of strong increase of absorptivity of a partly ionized gas at high light intensities, 23:5383
  - Method for infrared diagnostics of a plasma and its application for investigation of ionization and recombination of xenon behind the front of a shock wave, 24:40045
  - Method for infrared diagnostics of plasma, 25:11868 (SC-T-70-4054)
  - Transparency effect in plasma produced by laser pulses, 23:25323
- KOZLOV, I. G. Calculations of electrostatic energy analyzer for solid and hollow cylindrical beams of charged particles, 25:3487
  - Cylindrical charged particle energy spectrometer with moveable objective, 21:300
  - Design of an energy analyzer of charged particles focused by a longitudinal magnetic field, 23:52097
  - Dispersion and focusing properties of the Hughes—Rojansky capacitor field, 23:15325
  - Energy analyzer for charged particles focused by a longitudinal magnetic field, 24:38039
- KOZLOV, K. M. System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
- KOZLOV, L. L. Activation of an aluminosilicate catalyst by ionizing radiation, 25:21014
  - Polymerization of amylenes on irradiated and nonirradiated aluminosilicates that contain nickel oxides, 23:21749
- KOZLOV, M. G. System of monitoring and measuring instruments for fast reactors, 23:52336 (JPRS-48330, pp 293-312)
- KOZLOV, M. I. Dipole sum rule for three-particle nuclei, 25:3768
  - Spark chamber with increased isotropism, 22:30863
  - Spark chamber with rotated electric field, 23:33527
- KOZLOV, M. Ya. Changes in the peripheral division of the auditory analyzer in acute radiation sickness, 21:34743 (N-67-15553)
- KOZLOV, N. P. Current distribution in a pulsed plasma accelerator with dielectric erosion, 24:49203
  - Effect of anisotropy of conductivity on distribution of current and thermal flux in high-current plasma accelerators, 25:22503
  - Electrode erosion in quasi-stationary plasma accelerators, 24:26182

  Energy characteristics of pulsed plasma accelerators with dielectric erosion, 24:51726
  Erosion characteristics of a quasi-stationary plasma accelerator, 25:33289
KOZLOV, O. V. Electric probe in plasma, 24:15280
  Investigation of radioisotope sources and x-ray detectors for rentgenoradiometric analysis, 25:32290
  Roentgenoradiometric equipment and methods of rapid-analysis for copper, iron, and other elements, 23:26161 (VNIIRT-1)
KOZLOV, P. I. Maintaining equilibrium in the uncased TO-1 Tokamak device by means of a feedback system, 25:38467 (CONF-710607-72)
KOZLOV, S. F. Low-noise preamplifier with an input cathode follower, 25:48907
KOZLOV, S. I. Calculations of ion motion in central region of cyclotron, 23:8867 (NP-tr-1718)
  Calculations of the ion motion in the central region of cyclotron with azimuthal displacement of the source, 21:987 (JINR-P-2854)
  Distribution of absorbed energy of x radiation in Earth's atmosphere, 25:9351
  Experiment on beam extraction by electrostatic deflector from JINR 2-metre isochronous cyclotron, 24:28645 (JINR-P9-5037)
  Extraction of a beam from the JINR two-meter isochronous heavy-ion cyclotron, 25:22924
  Interpretation of riometric observations on Wake Island during the high-altitude explosion, 22:18977
  Ion motion in center of JINR 2-meter isochronous cyclotron, 24:35729 (JINR-P9-5032)
  Isochronous heavy ion cyclotron of JINR, 23:28130
  Kinetics of ions in nighttime D region of ionosphere, 25:56010
  Magnetic field design for the 2-meter isochronous cyclotron of heavy ions, 23:17021 (JINR-P9-4233)
  Orbit parameters of 2-meter JINR isochronous cyclotron, 24:28644 (JINR-P9-5033)
  Parameters of accelerated ion beams from 2-meter JINR isochronous cyclotron, 24:35730 (JINR-P9-5048)
  Recording "gamma aurora" effect of high-altitude burst of July 9, 1962, 21:39877
  Reduction of electron density in F2 region following high-altitude explosion, 24:5077
  System of current correlation of 2-meter JINR isochronous cyclotron, 24:37985 (JINR-P9-5047)
KOZLOV, Stanislav Fedorovich Devices for detecting nuclear radiations, 25:44589
  Neutron detector, 25:55009
  Nuclear radiation detector, 25:2441
  Nuclear radiation detectors and device, 25:44590
KOZLOV, V. A. Determination of the content of stable iodine in the thyroid gland by the method of activation of supercadmium neutrons without destruction of the sample, 22:49270
  Dose distribution by method of reciprocal deduction, 25:525
  Dosimeter with controlled energy, 23:50188
  Effect of detectors' size on accuracy of dose field determination, 24:23205
  Effects of space flight on lysogenic bacteria, 21:18022
  Immunocompetent and colony-forming units in mouse spleen after irradiation, 22:47484
  Pharmacological properties of radioprotective agents, 23:50638
  Problems of the pharmacochemical protection of an organism from ionizing radiation on space flights, 21:16376 (JPRS-38272, pp 435-6)
  Results of a study of the effects of cosmic radiation and other space flight factors on lysogenic bacteria and human cells in culture, 21:11151
  Results of investigation of the effect of cosmic radiation and other factors of cosmic flight on lysogenic bacteria and human cell cultures, 22:31291 (AD-663360)
  Specific pharmacological action of certain narcotic agents in the case of radiation injury, 23:31915
KOZLOV, V. B. Cycle of one-component liquid-metal MHD converter, 25:33101
  Thermodynamics of a multistage fluid-accelerating device, 23:48782
  Thermodynamics of cycles with mixed liquid metal in front of MHD transformer, 21:2079
KOZLOV, V. F. Concentration profile of B ions implanted into Si with energies of 30 and 100 keV, 25:1266
  Handbook on radiation protection, 22:10779
  Handbook on radiation safety, 23:50567 (AD-685997)
  Intermediate and fast neutron detector, 25:39720
  Measurement of x radiation with IFK-2.3M cassetes, 23:2840
  Method for measuring double charge exchange cross sections of low-energy ions, 21:31256
  Photographic dosimetry of ionizing radiations, 21:22171 (AEC-tr-6712)
  Radiative safety of nuclear critical assemblies, 23:50565
KOZLOV, V. G. Interaction of sodium chloride with dysprosium and gadolinium chlorides, 22:6297
  Melt diagram for a mixture of rare earth elements and sodium chloride, 21:42956
  Reactions of sodium chloride with dysprosium and gadolinium chlorides, 21:42953
  Thermodynamics of ytterbium—aluminum alloys, 25:45041
KOZLOV, V. M. Basic results of the work on development of the radiation safety system in the USSR, 25:52062 (A/CONF.49/P-429)
  Effects of γ rays on human chromosomes, 23:45712
  Irradiation and mitosis in human leukocytes and chromosome aberrations, 22:47512
  Measures to protect population in accidental release of radioactivity, 24:7887
  Recommendations of ICRP for control over radioactivity in discharges from nuclear power plants, 25:7980 (CONF-700810-41)
KOZLOV, V. N. Investigation of the shielding properties of concrete which contains boron, 21:21044
  Vacuum system of the stellarator Sirius, 23:12757
KOZLOV, V. T. Effect of temperature on decay of radicals formed during radiolysis of solid rubbers, 23:233
  Effect of temperature on radiolysis of some elastomers, 24:9354
  Effects of illumination on the radiation yield of transverse bonds in polybutadiene, 23:49846
  EPR method for investigation of sulfur reactions with rubber during radiolysis followed by light illumination, 21:38967
  Infra-red method in studying effects of radiolysis on structural changes in rubber and effects of sulfur on these changes, 22:47160
  Investigation of the radiochemical sensitization effect in rubber, 24:27100 (AD-701946)
  Mechanism of radiation crosslinking of solid rubbers, 24:27126
  Photolytic and temperature decay reactions of species arising in radiolysis of some rubbers as studied by ESR and radiothermoluminescence techniques, 23:26283
  Photosensitivity of paramagnetic species arising from radiolysis of halogenated rubbers, 22:23062
  Relation of radiation cross-linking in special purpose elastomers to additions of chloroalkanes of various structures, 25:18434
  Sensitization of radiation-chemical processes in rubbers, 22:33457
  Stabilization of radicals formed during low-temperature radiolysis, 25:34640
  Stabilized ions and the formation of cross links in the radiolysis of polybutadiene, 25:18467
  Study of temperature process of decay of radicals formed in radiolysis of solid rubbers, 21:21981
KOZLOV, V. V. Automatic precise field measurements in magnets of IHEP accelerator, 24:37983 (CERN-Trans-70-4)
KOZLOV, V. Ya. Boiling burnout in reactor, 24:11197
  Organisation of experimental work on fuel-element testing at the first atomic power station reactor, 25:39164 (LB/G-3024)
KOZLOV, Yu. D. Reliability of radiation-chemical installations, 22:30365
  Stabilization and measurement of the current of a pulsed-beam electron linear accelerator, 22:18057
KOZLOV, Yu. F. Lattice restoration process in alakli halide crystals subjected to radiation, 24:30396
  Radiation effects in ionic crystals due to increasing of the irradiation temperature, 23:39537
KOZLOV, Yu. G. Acoustic waves induced in a gas by current pulse, 23:5417
  Contraction of positive discharge columns, 24:51610
  Sound wave excitation in a gas by current pulses, 23:51720 (JPRS-46949, pp 33-42)
KOZLOV, Yu. P. Activity of enzymes of irradiated animals, 23:17946
  Antiradical properties of antibiotics in different systems, 22:19380
  Formation of free radical states in animal liver induced by γ radiation and radiotoxins of lipid nature, 21:8739
  Free radical processes in the cell organelles of irradiated animals, 22:51401
  Free radical processes in the tissues of irradiated animals, 21:1801
  Free-radical mechanism of the protective action of some natural compounds, 22:28301
  Free-radical processes in γ-irradiated tissue homogenates of animals. I, 21:36507
  Graft copolymerization investigation of free radical reactions in liver cell organelles of irradiated animals, 22:14956
  Identification of free radicals states in irradiated biological systems by means of inoculated copolymerization technique, 22:28295
  Radical polymerization of acrylamide in irradiated homogenates of rats' tissue, 22:28297
  Role of free radicals in radiation injury of yeast cells recovery, 22:25739
  Role of lysosomes in carcinogenic processes and radiation injury to cells, 24:41767
  Study of radical processes in animal tissues under x-ray irradiation by means of polymerization technique, 22:28296
KOZLOV, Zh. A. Coherent scattering of slow neutrons by liquid lead, 23:28213 (JINR-P14-4355)
KOZLOVA, A. A. Effects of irradiated nutrient medium on chromosome aberrations in mammalian cells in vitro, 25:10970
KOZLOVA, A. I. An analogous electron computer for calculating dose fields, 21:20195
  Determination of the percentage depth dose of roentgen and gamma-radiation, 21:20192
  Electronic analog computing device for estimating dose fields, 23:31567
KOZLOVA, A. V. Changes occurring in radiation treatment of esophageal cancer, 25:598
  Diagnosis of radiation injury of spinal cord, 24:23389
  Gamma-therapy of reticulosarcoma of the bones, 21:39447
  Radiotherapy in inoperable tumors of the abdominal cavity and retroperitoneal space, 21:32687
  Radium treatment of soft tissue sarcomas, 21:20238
  Remote results of colloidal radiogold treatment of patients with metastases of skin melanoma, 21:28529
  Special results and prospects of development of radiation therapy in USSR, 23:9982 (JPRS-44356, pp 41-64)
KOZLOVA, G. A. Characteristics of giant resonance of silicon isotopes, 21:21492
KOZLOVA, I. A. Effect of some inhibitors on the formation of the deproteinization factor in smallpox vaccine virus, 21:24301
KOZLOVA, I. R. Formation of structure defects during low-temperature irradiation of indium antimonide with x rays, 21:31484
  Interaction of niobium with a zinc melt, 25:55534
KOZLOVA, K. I. Hydrogen lines of peculiar stars α^2 CVn and γ Lyr, 23:32081
KOZLOVA, M. D. Effect of certain factors on behavior of ^{111}Ag in organism of animals, 23:22173 (AEC-tr-6944, pp 188-93)
KOZLOVA, M. V. Concentration of long-life radioactive aerosols in atmosphere, 22:30721
  Method of determining ^{137}Cs in environmental objects, 23:31303
  Study of ^{210}Po content in environment and human body, 25:42429
KOZLOVA, M. Z. Relationship between the extent of radioactivity and the amount of atmospheric falls, 22:40678
KOZLOVA, N. A. Wrought molybdenum-base alloy, 23:27088
KOZLOVA, N. D. Specific residual electrical resistance in S reversible N transition aspects of wire forms from superconducting materials by the resistivity method, 25:36055
  Use of the experiment planning method for study of superconducting systems, 25:47472
KOZLOVA, N. I. Ceramic properties and electric conductivity of Zr ceramics stabilized by Y_2O_3, 23:14403
  Electric conductivity of solid solutions of calcium oxide in zirconium dioxide at elevated temperatures, 21:43661
  Properties and electrical conductivity of Zr ceramics stabilized with Y_2O_3, 24:30037 (NP-tr-1891)
KOZLOVA, N. N. Heat- and hydrogen-resistant alloy, 23:46057
KOZLOVA, N. V. Effect of γ radiation on polyesters of adipic acid and diethylene glycol, 21:10400
  Reactivity of animals surviving after acute radiation sickness as a result of shielding of part of the bone marrow and subsequent autotransplantation of it into the bloodstream, 23:2961
KOZLOVA, R. F. Heat expansion of molybdenum—copper and tungsten—copper pseudoalloys, 22:28809
KOZLOVA, T. M. Anisotropy of Hall effect and electric resistance of Sc single crystal, 24:12892
  Hall effect in certain rare-earth metals and alloys, 25:5182
  Hall effect in terbium—yttrium and dysprosium—yttrium alloys in a paramagnetic field, 24:6202
  Temperature dependence of Hall effect and paramagnetic susceptibility of Zr and Re, 23:8692
KOZLOVA, V. Kh. Resistance of certain strains of microorganisms to ultraviolet rays, 21:36762 (N-67-18938)
KOZLOVA, V. N. Use of radioiodine-labelled triombrin for determination of the glomerular filtration, 24:46633
KOZLOVSKI, T. Angular distribution of the low energy neutrons from the nuclear μ-capture in sulfur and calcium, 25:59738 (JINR-P1-6029)
  Neutron yield in μ capture reaction on oxygen, sulphur, calcium, and lead, 25:25641 (JINR-P15-5524)
KOZLOVSKII, A. M. Ice conditions in the Davis Sea, 1—4/63, 22:14411 (UCRL-Trans-10154)
KOZLOVSKII, L. K. Tests of surface-barrier semiconductor detectors at liquid helium temperatures, 24:14264
KOZLOVSKII, L. V. Calculation of certain thermodynamic characteristics of solid zirconium monoxide, 25:47170
  Changes in ZrO_2 structure at high-temperatures in vacuum, 23:41739
  Effect of stoichiometric disturbance of the composition on the sintering of zirconium dioxide in vacuum, 24:51200
  Mechanical properties and corrosion resistance of steel coated with titanium and zirconium carbonitrides, 25:2612
  Sintering kinetics of zirconium dioxide, 24:3013
KOZLOVSKII, S. A. Biological protection of portable reactor installations, 24:18754
  Determination of fast neutron flux, 25:2443
  Passage of gamma-rays through heterogeneous media, 25:52893
  Passage of neutrons through shielding, 24:32890
  Problems related to reduced yield of captured γ-radiation, 23:47355
  Radiation penetration in cylindrical channels in shielding, 23:46540
  Streaming of neutrons through cylindrical and flat neutron guides, 22:27503
  Transmission of fast neutrons and gamma rays through rectangular slots, 24:51771
KOZLOVSKY, B. Z. Nucleosynthesis during ^{4}He burning, 25:38065
KOZLOVSKY, B.-Z. Enhancement of the 3 ^{4}He $\rightarrow$ ^{12}C reaction rate in dense matter by inelastic-scattering processes, 24:17480
KOZLOVSKY, Ben-Zion Bowen resonance fluorescence lines in quasi-stellar objects, 25:7037
  Contribution of direct-transfer mechanism to ^{12}C + ^{12}C reaction, 24:46895
  Ionization of oxygen and helium in solar wind, 23:10400
  Ionization structure of a nebula photoionized by a flat spectrum, 25:38086
  Ionization structure of a nebula photoionized by a flat spectrum, 25:45227
  Models of emission-line region of 3C 273, 23:20609
  O VI emission from the Sun, 22:52317
  Some models for the emission-line region of 3C 48, 24:4917
KOZLOWITZ, I. New developments in thermoluminescent dosimetry, 22:16914
  Thermoluminescent properties of natural calcium fluoride, 21:26222 (CONF-650637-, pp 138-57)
KOZLOWITZ, Isidore Thermoluminescent dosimeter for detecting radiation having a plurality of components, 22:47388
KOZLOWSKI, M. Energy dependence of polarization in ^{9}Be(d,p)^{10}Be reaction, 25:59722
  Energy dependence of the polarization in direct reaction, 23:52112 (INR-1094)
  Non-dynamical integral method for parity determination, 21:25252

Non-dynamical integral parity tests, 21:13682 (INR-741/VII/PH)
Nondynamical parity tests for bosons and fermions, 22:53002
Test for spin determination in three body parity conserving decays of the type s $\rightarrow$ 1/2 + 0 + 0, 22:39365
KOZLOWSKI, Maciej Solutions for equilibrium models of He-burning Population I star, 25:58465
KOZLOWSKI, Mieczyslaw Two- to 4-second micropulsation band and magnetic activity, 22:46013
KOZLOWSKI, Miroslaw Use of (d,p) and (d,t) reactions for verification of wave functions of deformed nuclei, 24:38323
KOZLOWSKI, T. Excitation of isomeric activities in ^{71}Ge, ^{78}Br, and ^{79}Br using 14.8 MeV neutrons, 24:47627
Excitation of isomeric activities in ^{71}Ge, ^{78}Br, and ^{79}Br using 14.8-MeV neutrons, 25:12430 (INR-P-1091)
Fast neutron excitation of isomeric activities in ^{113}In and ^{114}In isotopes, 22:30003
Fast neutron excitation of isomeric activities in ^{112}In and ^{114}In isotopes, 23:21335 (ZFK-130, pp 233-8)
Neutral decay modes of eta^0 meson, 24:37604
Neutron energy spectra from $(\mu^-,\nu n)$ reaction on ^{32}S and ^{40}Ca, 23:19242
Neutron energy spectra from negative muon absorption on complex nuclei, 24:52436
KOZLOWSKI, T. R. Phase relations and dilute molten salt solutions: the cryoscopic approach, 25:38028
KOZLOWSKI, Tadeusz Investigation of short-lived activities excited by fast neutrons, 23:50221
Pulse shape discriminator, 23:655
KOZLOWSKI, Thomas Annihilations of antiprotons at rest in H into three neutral pions, 25:45657 (NEVIS-186)
KOZLOWSKI, Zbigniew Gas-conditions in operation of coaxial plasma injector, 22:17611 (INR-P-861/XVIII/PP)
High-vacuum cascade pump system, 21:4678 (INR-740/XVII/PP)
Investigations of gas-conditions in the operation of a coaxial plasma injector, 22:44130
KOZMA, Gy. Fission neutron spectrum from 0.01 to 1.0 MeV, 25:15108
KOZMINSKA, Anna Use of solcoseryl in dermatological therapy, 24:27625
KOZMINSKA, Danuta Radioactive tracer studies of industrial processes for the electrolytic refining of aluminium and the silicothermic production of magnesium, 22:14711
KOZ'MINYKH, Yu. L. Electron recombination in inert gases, 24:3348
KOZNOVA, L. B. Biological effect of ultrafractionated irradiation, 22:23667
Dependence of time-to-death of mice on dose rate under conditions of continuous irradiation, 22:23671
Disturbances in metabolism of nucleic compounds in rats under prolonged γ irradiation, 22:23653
Influence of dose rate and time factor on bactericidal effect of irradiation, 22:23685
Peculiarities of clinical manifestations of radiation sickness in rhesus monkeys during γ irradiation, 22:23669
Radiobiological significance of the time factor in a dose curve plateau, 22:23664
Relative biological effectiveness of radiations, 24:27655 (AD-699247)
X and γ irradiation in radiobiological experiments, 22:23430
KOZODAEV, A. M. Linear proton accelerator I-2. III, 22:32403
Regulator for high voltage capacitor bank, 25:28108 (ITEF-761)
Thyristor voltage stabilizer for a 40-kV modulator, 25:31067
KOZODAEV, M. S. Determination of $\pi\pi$ cross section from reaction of pion production in pion collisions with H at small momentum transfer, 21:31536
Investigation of $\pi^+\pi^+$ interaction at low energy of the dipion state, 24:8569
Investigation of the reaction $\pi^- + p \rightarrow \pi^- + \pi^+ + n$ at 1.3 GeV/c in order to obtain the pion—pion interaction cross section, 21:33615
KOZODAEV, Mikhail Silich Experimental methods in nuclear physics. I, 22:30846
KOZODAEVA, N. M. Gas discharge neutron counter, 25:51871
Neutron scintillation detector, 25:55012
KOZOREZ, A. K. Semiautomatic apparatus for regulating the neutron diffractometer, 25:29402
KOZOROVITSKII, L. L. Collisionless heat wave, 25:14317
Collisionless heat waves in plasma, 25:45518
Plasma heating by magneto—acoustic waves, 23:18590
Propagation of heat in plasma along magnetic field, 23:23201
KOZUB, P. S. Contamination of Na heat carrier, 23:50985 (JPRS-48330, pp 486-517)
KOZUB, R. L. Mean lifetimes of levels in ^{93}Mo, 25:31377
Reaction (^{3}He,d), 25:50758
Reaction (p,d) on N = Z nuclei in the 2s-1d shell, 22:44664
Reaction ^{14}N(p,d)^{13}N at 30 MeV, 21:33892
Reactions (α,^{3}He) and (α,t) on ^{40}Ca, 24:28755
Spectroscopic factors for stripping to unbound isobaric analog states, 25:25733
Stripping to quasibound levels in ^{41}Sc, 25:5617
KOZUB, Raymond Lee Investigation of the (p,d) reaction on N = Z nuclei in the 2s-1d shell, 22:35274
KOZUB, Yu. I. Materials with protective [diffusion] coatings and estimation of their work capacity, 25:22092
KOZUBOVSKAYA, I. G. Linear theory of the cyclic accelerators of relativistic charged particles for the case of small radiation losses, 22:24766
Parameter choice of circular accelerator driving and focusing systems, 23:3879
KOZUCHOWSKA, Izabela Effects of x rays on inhibition of immunologic reaction in course of lamellar intracorneal keratoplasty, 22:51395
KOZUKA, Hiroshi Analysis of composition of counterfeit coin applying the back scattering of beta ray, 25:37316
Application of activation analysis in criminal investigations, 22:6269
Neutron activation analysis of industrial products. II, 25:31869
On the feasibility of establishing individuality by activation analysis of human hair, 21:30367
KOZUKA, S. Implication of small hydrogen—deuterium kinetic isotope effect in reaction of quinaldine and 1-methylisoquinoline N-oxides with acetic anhydride, 23:137
Kinetic studies on the reactions of 2- and 4-alkyl-substituted heteroaromatic n-oxides with acetic anhydride, 22:27702
Reaction of lepidine, quinaldine, and l-methylisoquinoline N-oxides with acetic anhydride, 25:6320
KOZUKA, Takahiro Radiation myelitis: case report, 21:6673
KOZUKA, Takeshi Heating curves and melting point measurements with a solar furnace, 23:46128
KOZUKA, Toshihiko Measurements of neutron flux and spectrum at KUR irradiation facilities, 24:26808 (KURRI-TR-60)
KOZY, A. Analysis of radioactive metals by spark source mass spectrometry, 23:24067
KOZYCZKOWSKI, J. Absolute transition rates in ^{181}W, 25:43903
Instrument for the study of moments of excited nuclear states by angular correlation methods. Part C, 23:4832
Lifetimes of 557.3 and 559.2 keV levels in ^{193}Ir, 24:24554 (UUIP-662)
Lifetimes of excited states in ^{101}Rh, 25:14992
Lifetimes of excited states in ^{119}Sb, 24:30766 (UUIP-672)
Transition probabilities of states in ^{133}Cs, 25:25773
KOZYRENKO, V. E. Analysis of regional effects in MHD channels, 23:8520
Calculations of MHD flow in a channel with finite or semi-finite electrodes, 23:12632
Construction of MHD duct wall profile, 21:37265
End effect problems of the conducting fluid flow in the presence of longitudinal magnetic field, 22:29327
Hodograph transformation in plane magnetohydrodynamics problems of a viscous fluid, 21:35073
Investigation of steady-state three dimensional MHD flows in channels with variable profiles and with a symmetry plane, 23:8509
Laminar incompressible MHD flow, 23:51429
Longitudinal end effects in MHD channels at arbitrary magnetic Reynolds numbers, 23:48792
Longitudinal end effects in MHD channels at arbitrary R/sub m/ numbers, 25:27483
Steady translational flows of conducting gas in MHD channels with a straight axis, 21:35069
KOZYREV, A. P. Study of pool boiling heat transfer to sodium and potassium, 24:9586
KOZYREV, B. P. Highly sensitive thermoelectrical x-radiation microcalorimeter, 25:49022
Thermal receiver of roentgen radiation, 25:35031
KOZYREV, N. A. Stellar energy sources and the theory of stellar interiors, 25:32876 (SC-T-713028)
KOZYREV, V. I. Radiochemical peculiarities of granitoids of the Gissar pluton, 25:34734
KOZYREV, Yu. P. Angular distribution of a substance having been vaporized by a laser beam, 24:16395 (SC-T-70-4007)
Mass spectrometer investigation of a laser plasma, 25:40610
Measurement of isotopic abundances by time-of-flight mass spectrometer, 25:35070
Production of multiply-charged ions by interaction between a powerful laser pulse and a solid, 24:37480
KOZYREVA, E. V. Coefficient of respiratory control and ultrastructure of the liver mitochondria of irradiated rats, 23:29370
Early biochemical and structural changes in liver mitochondria of irradiated rats, 25:35216
Effects of cysteamine on mitochondria of rat liver, 24:7929
Formation of ATP in nuclei and mitochondria and the influence of β-mercaptoethylamine, 25:4597
Radiosensitizing properties of some barenes (ortho-1,1 dicarbaclovododecaborane), 25:4588
Sensitization of animal organism to action of fast neutrons and γ-rays by borane derivatives, 21:34785
KOZYREVA, G. V. Some new applications of high frequency excitation tubes in atomic absorption spectrophotometry, 22:30494
KOZYREVA, R. I. EPR and IR study of relation between changes of mechanical properties and chemical structure of reinforced plastics and epoxide binding upon electron irradiation, 24:2251
KOZYREVA-ALEKSANDROV, L. S. Magnesium-28 and ^{18}F radioisotopes, 24:16610
KOZYREVA-ALEKSANDROVA, L. S. Production of carrier-free ^{18}F, 21:10388
KOZYREVSKAYA, G. I. Medical study performed during flights of Soyuz spacecrafts, 24:905
KOZYRINA, Z. N. Functional state of the adrenal cortex in patients with thyrotoxicosis after radiotherapy, 22:49614
KOZYRSKII, O. I. Changes in work-hardened surface layers of W, Nb, and Mo as result of annealing, 25:4797
KPONOU, A. Precise measurement of 2^3P_0—2^3P_1 fine-structure interval of He, 25:43122
KPONOU, Ahovi E. F. Measurement of the 2^3P_0-2^3P_1 fine structure interval of ^{4}He, 25:58720
KRAAK, W. Chemistry of tranuranium elements, 22:23021
Extraction of plutonium with some mixed extractants, 22:16687
Feed pre-treatments in aqueous reprocessing, 22:40166 (KR-126, pp 87-100)
High-efficiency counting of ^{249}Bk by a liquid scintillation technique, 24:39219 (KR-139)
Interplay between chemistry and nuclear energy, 22:23079
New developments in fuel reprocessing. I, 23:15933
Norwegian—Dutch research in fuel processing, 22:33508
Plutonium purification by ion exchange, 22:40170 (KR-126, pp 229-44)
KRAAN, W. H. Current, voltage, and magnetic field for weakly-connected superconductors, 23:14703
Superconducting double-point-contact diode placed in a cavity, 23:14704
KRAAZ, P. Contribution to subcoulomb stripping: The reaction ^{116}Sn(d,n)^{117}Sb at 6 MeV, 21:42652
Shell model configurations of states in ^{14}N studied by the ^{13}C(d,n)^{14}N reaction, 21:2642
States in ^{12}C and ^{14}O investigated by ^{11}B(d,n) and ^{13}N(d,n) reactions, 22:5770
Study of ^{24}Mg by ^{23}Na(d,n) reaction at E/sub d/ = 6 MeV, 23:7268
Study of states in ^{25}Al and ^{26}Al by the ^{24}Mg(d,n) and ^{25}Mg(d,n) reactions, 22:20527
KRABB, Hans-Juergen Electron depth therapy with pendulum radiation. II, 24:12075
KRABBE, Paul Nomenclature, hardware location, and dc power distribution for Illiac III Mainframe, 24:29109 (COO-1018-1203)
Specifications for the preparation of the 1018-299-00 printed circuit board for the wire wrapping, 25:1983 (COO-1018-1216)
Specifications for wire wrap wiring of Illiac III scanner drawers containing digital logic, 25:1984 (COO-1018-1217)
KRABBENHOFT, K. L. Effects of additives on radiation-resistance of Cl. botulinum in meat, 24:48768
Influence of culture media on the radiation resistance of Micrococcus radiodurans, 21:20444
KRABBENHOFT, Kenneth L. Chemical sensitization of bacterial spores to radiation in food, 23:50971
KRABBES, G. Szilard—Chalmers effect in phenylantimony compounds. II, 24:27113
KRABISCH, L. Elimination of color quench in liquid scintillation counting, 23:35499
KRABLIN, Richard Development of radon monitoring system, 25:44602
KRACHINO, T. V. Thermoelectron emission of pyrolytic covers from ZrC and W, 23:51056
KRACHT, U. Computer controlled energy spread measurement at the CERN PS linac, 23:28140
Emittance measurement at CERN PS linac with on-line computer, 23:19036 (BNL-50120(Pt.1), pp 168-74)
KRACIK, B. Decay of ^{90}Nb, /sup 89m,89/Nb, /sup 85m,85/Y and /sup 85m/Sr, 25:28215 (CERN-70-30(Vol.2), pp 1137)
Decay of /sup 108m/Ag, 22:14052
Investigation of ^{128}Ba $\rightarrow$ ^{128}Cs $\rightarrow$ ^{128}Xe decay, 22:14051
Investigation of /sup 110m/Ag γ radiation, 21:33974
KRACIK, J. Polarization of the plasma cluster during acceleration, 24:30345
KRACIK, Jiri Comparison between a direct and an electrodeless MHD induction chamber in pulsed operation, 21:11474
MHD generators with radial component of magnetic field, 24:21627
Plasma physics, 22:1244
Resonance acceleration of plasma clusters, 21:31441
KRACIKOVA, T. I. Decay of /sup 108m/Ag, 22:14052
Decay of /sup 110m/Ag to ^{110}Cd, 25:28435
Investigation of /sup 110m/Ag γ radiation, 21:33974
KRACKE, W. Rapid assay of environmental radioactive contamination, 24:7416
KRACKOW, Kenneth A. Computer simulation of the scanning process using a system response to line source distribution function, 24:48620
KRAEFT, W. D. Binary distribution function and correlation energy of high-temperature plasmas, 22:26386
Quantum statistical second virial coefficient for real gases and plasmas, 25:14322
Quantum—statistical mechanics of a system of charged particles at high temperatures, 22:9373
KRAEFT, W.-D. Theory of conductance of electrolytes and weakly-ionized plasma. II, 21:18728
KRAEGELOH, U. Flux line lattices in the intermediate state of superconductors, 23:20848
Intermediate state of type-II superconductors, 25:14164
KRAEGELOH, Ulrich Observations on superconductors by electron microscopy, 24:32385
KRAEGER, James A. Use of x rays in healing arts in North Dakota, 24:34348
X rays in healing arts in North Dakota, 1964—1968, 25:29542
KRAEHENBUEHL, U. Trapped solar wind noble gases in lunar material, 24:21537
KRAEMER, D. M. Alteration of DNA by sensitized and non-sensitized long-wave uv irradiation, 25:55308
Photodynamic furocumarine reaction mechanism, 21:45550
KRAEMER, E. Proton pick-up from magnesium isotopes: $^{24\ 25\ 26}$Mg(d,tau)$^{23\ 24\ 25}$Na, 25:25694
KRAEMER, H. Economic potential and fuel supply of HTRs, 23:37512
Economic potential of different advanced reactor concepts in a future power generating system, 23:4175
Economic potential of different advanced reactor concepts in a future power generating system, 23:28414 (JUL-556-PA-RG)
Economic potentials of advanced reactor concepts, 23:1996
Estimated demand for separative work for the enrichment of U in the FRG, 22:35985

  - Evaluation of results of a study of the Th—^{233}U fuel cycle for thermal reactors, 25:20746 (JUL-644-RG)
  - High temperature reactor development in Germany, 24:50070 (CONF-700401-, pp 145-60)
  - Investigations on the future role of nuclear energy in the Indian national grid, 25:25857
  - Iodine-131 uptake in andrenalectomized female rat, 24:2554
  - Long-term economic significance of gas-cooled high temperature reactors, 22:35526
  - Possible development of future atomic industry in Federal Republic of Germany, 24:9078 (JUL-600-RG)
  - Possible future developments of nuclear industry in West Germany, 23:23865
  - Preliminary investigations on planned impulse reactor project, 21:5689 (JUL-343-RE)
  - Prospects of nuclear energy in countries with restricted capital, 24:28914
  - Technical and economic state as well as prospects of atomic energy in the economy of the Federal Republic of Germany, 25:36885 (JUL-705-RG)
  - Technical and scientific position as well as prospect for nuclear energy in the engineering of the Federal Republic of Germany. II, 25:60012 (JUL-775-RG)
  - Technical status and potential of the high temperature reactor line in the Federal Republic of Germany, 25:54028 (A/CONF.49/P-370)
- KRAEMER, K. Cross sections of reactions ^{16}O(γ,x)^{13}N and ^{16}O(γ,x)^{11}C, and yield of ^{12}C(γ,t) up to 55 MeV, 22:1601
  - Photonuclear reactions of type (γ,t) and (γ,nα) with bremsstrahlung up to 55 MeV, 22:26921
- KRAEMER, Martin Secondary radiation in a Siemens 18 MeV betatron, 24:34336
- KRAEMER, R. 4433 and 6450 keV states in ^{21}Ne, 25:34054
  - Analysis of components of material unaccounted for, 25:21317
  - Application of digital simulation techniques for process inventory estimation, 25:21333
  - Basic function units and sub-assemblies for health physics, 24:14277
  - Cost parameters for transport of irradiated fuels, 24:9629
  - Description of control experiment in EUROCHEMIC reprocessing facility, 24:20849 (KFK-907)
  - Determination of in-process inventory in a reprocessing plant by means of isotope analysis, 24:9432 (KFK-904)
  - Development of safeguards procedures for a reprocessing plant similar to the WAK type, 25:4263 (KFK-1102)
  - Fallout removal from green fodders and effect of feed supplements on milk contamination, 24:44472
  - Fuel cycle costing for fast breeders, 24:11132
  - Integral safeguards exercises in a fabricating and a reprocessing plant, 25:21294
  - Low-lying excited states of ^{22}Mg, 24:43244
  - Material accounting system for safeguards in nuclear fuel cycle, 25:51748 (A/CONF.49/P-415)
  - Safeguards measures and efforts in conceptual fabrication plants for uranium and plutonium containing fuel elements, 23:41564 (KFK-910)
  - Shipping of irradiated fuel elements from fast breeder reactors, 24:39176 (ORNL-tr-2348)
  - Study on low-lying states of ^{21}Na, 23:25894
  - Transportation of irradiated fuel elements from fast breeder reactors, 24:20968 (KFK-666)
  - Verification of input analysis of a reprocessing plant by means of composite sample technique, 25:21081 (KFK-1104)
- KRAEMER, R. W. Branching ratios for the decay of vector mesons into lepton pairs, 21:25220
  - Magnitude of the K^0/sub L/—K^0/sub S/, 21:862 (BNL-10608)
  - Quasi-two-body production in K$^-$n $\rightarrow$ Σ^{+-} + mesons, 24:15485
  - Quasi-two-body production in K$^-$n $\rightarrow$ Σ^{-+} + mesons at 4.94 GeV/c, 24:49331
  - Resolution of the T = 0 Fermi—Yang ambiguity in K—nucleon scattering, 23:46615
  - Sign of the K/sub L/—K/sub S/ mass difference, 21:2349
- KRAEMER, W. Aspects of boiling-water medium-power reactors, 25:28637
- KRAEMMER, A. B. Four-body semileptonic decays of hyperons, 23:21082
  - Parton theory based on the dual resonance model, 25:28002
  - Treatment of charge-divergence commutators and application to πKkappa system, 24:52039
- KRAEPELIN, Gunda Respiration defect in yeast cells. I, 22:31024
- KRAETSCH, H. Block inversion method: a new approach to multidimensional reactor calculations, 21:38206
  - GATT: three-dimensional few-group neutron diffusion theory program for hexagonal-z mesh, 23:26028 (GA-8547)
- KRAETZIG, E. Angular dependence of critical magnetic fields in superconducting films, 25:14163
  - Investigation of superconducting proximity effects with acoustic surface waves, 25:9378
  - Superconducting phase transition in Pb films, 24:6481
  - Ultrasonic investigation of superconducting properties induced by proximity effects, 25:49828
- KRAEV, D. Early adynamia in the radiation sickness, 21:4870
- KRAEV, M. M. Lie algebraic structure of a new field quantization, 25:25493
  - New parastatistics in field theory, 25:22895
  - Spin-half particles with an infinite maximum occupation number, 25:20079
- KRAEV, N. D. Problems of corrosion resistance of structural materials in sodium, 23:50982 (JPRS-48330, pp 426-61)
- KRAEV, Nikolai Method and device for recovering tellurium from scrap, 24:25102
- KRAEV, O. A. Measurements of thermal conductivity of metals in temperature range from 1100° to 2500°K, 23:42498
  - Thermal conductivity and heat transfer of metals at high temperature, 21:28777
  - Variation of the modulation method for measuring metal heat capacity, 22:9461
- KRAEVOI, S. Ya. Chromosome damages induced by γ-ray doses in Crepis capillaris, 25:4498
  - Effect of x rays on chromosomes in seeds of Crepis capillaris, 24:50844
- KRAEVSKII, N. A. Regeneration in irradiation aplasia of bone marrow, 23:48219
- KRAEVSKII, S. L. Energy transfer between luminescence centers of uranyl in polyphosphoric acid, 25:46489
- KRAFFT, G. Measurements on pulsed superconducting magnets, 25:14211 (KFK-1217)
- KRAFFT, Gerd Review on the surveying of circular accelerators and a proposal for a system for the Karlsruhe proton synchrotron project, 24:33069 (NP-18226)
- KRAFFT, J. M. Basic aspects of crack growth and fracture, 22:39892 (AD-663882)
  - Prog. rpt. on irradiation effects on reactor structural materials, 2—4/70, 25:702 (AD-707336)
- KRAFFT, Marina Spectroscopic investigation of a birefringent Lyot filter for Hα, 23:10403
- KRAFFT, O. Bahcall corrections to electron capture and the Hartree—Fock rearrangement, 25:5837
  - L/K capture ratio of ^{65}Zn, 23:46971
  - L/K- and M/L-electron capture ratio in decay of ^{65}Zn, 25:5655
- KRAFFT, Otfried Investigations of the discharge mechanisms of self-quenching Geiger—Mueller tube counters, 21:12671
- KRAFT, Angelika Effects of x radiation on early postnatal development of mice, 25:32533
- KRAFT, Arne v. Alpine salamander after uv irradiation, 24:19351
  - Larval form and visceral situation in the newt (T. alpestris) after one-sided uv irradiation of neurulae and postneurulae, 22:45678
- KRAFT, E. Fast triggering device for spark chambers, 21:6278
  - Kiel cosmic ray muon spectrograph, 24:36618
  - Magnetic spectrograph for study of momentum spectrum of cosmic ray muons, 21:34465 (BMwF-FBK-67-33)
  - Momentum spectrum of cosmic muons and charge ratio at 5200 m, 21:640
- KRAFT, G. Determination of O, H, and N in high-melting metals. IV, 24:46186
  - Investigation of planetary ionospheres, 21:31310 (NASA-CR-689)
  - Processes (γ,α) on Nb, 22:11971
  - Reaction (γ,α) in Ge and Nb, 22:50592
  - Reaction (γ,p) in light and medium weight nuclei, 23:39956
  - Reaction ^{4}He(γp)T, 23:1781
  - Wet-chemistry determination of Ce in cast iron, unalloyed and alloyed steel, 21:2968
- KRAFT, Leon G. Computer approach for general theory of relativity, 21:13653 (AD-639733)
- KRAFT, N. Effect of x-irradiation on balance between alkaline ribonuclease and alkaline ribonuclease inhibitor, 23:45657
- KRAFT, O. E. Beta$^+\gamma$ coincidences during the decay of ^{152}Tb $\rightarrow$ ^{152}Gd, 21:27588
  - Beta$^+\gamma$ coincidences in ^{166m}Ho decay, 21:44710
  - Beta-gamma coincidence scintillation spectrometer, 21:1613
  - $\beta^+\gamma$ coincidences in the decay of ^{188}Ir, 21:44711
  - Decay ^{85}Sr, 23:10987
  - K-forbidden β transitions in ^{160}Tb decay, 21:44712
  - Magnetic β γ coincidence spectrometer, 21:1614
  - Spin of ^{176}Lu, 21:29991
- KRAFT, R. P. Peculiar A-type stars, 24:1143
  - Stellar populations and evolution of the Galaxy, 24:1233
  - Stellar rotations observed with a spectracon, 22:17291
- KRAFT, R. W. Prog. rpt. on eutectic alloys, semiannual, 7/14/66, 21:31034 (N-66-32264)
  - Structure and elevated-temperature mechanical behavior of Ni—Ni$_3$Nb eutectic alloy, 23:22545
- KRAFT, Robert P. Abundance analyses of Population II variable stars. II, 25:40160
  - Binary stars among cataclysmic variables. XI, 24:4880
  - Evidence for the ejection of matter from the nucleus of the Seyfert galaxy NGC 4151, 24:8308
  - Further spectroscopic observations of the nucleus of the Seyfert galaxy NGC 4151, 25:24817
  - Optical object identified with x-ray source Cygnus X-2, 23:20621
  - Remarkable spectroscopic complexities of Cyg X-2, 22:11121
  - Structure and evolution of W Ursae Majoris stars, 22:49890
  - Studies of stellar rotation. IV, 21:20625
  - Studies of stellar rotation. V, 22:4960
- KRAFT, S. C. Acriflavine-induced immunological paralysis, 21:34572
- KRAFT, W.-D. Theory of conductivity of electrolytes and weakly ionized plasmas. II, 23:16781 (ORNL-tr-2068)
- KRAFTMAKHER, Ya. A. Equilibrium vacancies in lanthanum, 25:11423
  - Heat capacity at high temperatures and formation of vacancies in refractory metals, 21:28776
- KRAGELUND, E. Determination of ^{3}HOH, ^{82}Br, ^{125}I-human albumin, and ^{51}Cr-red cell volumes, 25:2518
- KRAGELUND, Ebbe Changes of apparent ^{3}HOH, ^{82}Br, ^{125}I human albumin, and ^{51}Cr red blood cell dilution volumes, 25:486
- KRAGLER, R. Theory of 2-nucleon-transfer reactions, 24:43490
- KRAHE, J. Activity of UCl$_3$ in the eutectic LiCl—KCl melt, 21:38931 (LA-tr-67-76)
  - Reprocessing costs for THTR elements, 23:21445
  - Sol—gel process for production of spherical (Th,U)O$_2$ particles, 23:18264
- KRAHE, Josef Activity of UO$_2$Cl$_2$ in the eutectic LiCl—KCl melt, 24:50378
  - Phase diagrams of the system uranium—oxygen—carbon, 24:51175 (ANL-Trans-856)
  - Phase diagrams of the system, uranium—oxygen—carbon, 22:11083
  - Thermochemistry of material systems U, Th, Pa, C, O$_2$, Cl$_2$, 23:43383 (JUL-565-CT)
- KRAHL-URBAN, B. Energy conversion with thermionic diodes, 23:34303 (JUL-553-TP)
- KRAHN, F. Bahcall corrections to electron capture and the Hartree—Fock rearrangement, 25:5837
- KRAHN, R. J. Sizing of Zircaloy structurals, 21:18234 (WAPD-TM-620)
- KRAICHNAN, Robert H. Growth of turbulent magnetic fields, 21:27051
  - Model equations for strong turbulence in a Vlasov plasma, 21:42144
- KRAIDY, M. Iteration and iteration—variation methods for elastic scattering of electrons, 21:614
  - Pickoff quenching of orthopositronium in helium, 21:613
- KRAIMER, Martin R. Plume rise calculations using selected functional forms and the tabulation prediction technique, 25:54780 (CONF-710505-6)
- KRAINCANIC, M. Effect of radioiodine on thyroid function. III, 23:29388
  - Effect of radioiodine on thyroid function. IV, 23:29387
- KRAINER, E. Practical testing with colour radiography, 25:18612 (LIB/Trans-324)
  - Question of the cubic tungsten carbides, 22:38634 (LA-tr-68-27)
  - X-radiographic detection of cubic W carbide crystals, 21:28855
- KRAINER, H. CODAC: program to process TIMOC library from ENDF/B file, 25:12339 (EUR-4521)
  - Propagation of neutron pulses, 23:11339
- KRAINII, A. G. Effect of neutron irradiation on electric resistance and color of refractory compounds, 23:36292
  - Investigation of effect of neutron irradiation on structure and properties of LaB$_6$, 21:10379
  - Investigation of irradiation effects in titanium and chrome carbides, 21:3561
  - Neutron irradiation effects on diffusion carbide and boride coatings on high-melting metals, 22:34127
  - Radiation stability of borides, 22:34086
  - Roentgenographic investigation of neutron-irradiated carbides of titanium and chromium, 24:14971
- KRAINOV, G. S. Charged particles accelerator, 23:5728
- KRAINOV, Gennody Sergevich Charged particle accelerators, 23:52077
- KRAINOV, V. g-factor for 3$^-$ state in ^{208}Pb, 23:40060
- KRAINOV, V. P. Approximation methods of quantum mechanics, 21:42233
  - Calculation of the 3$^-$ state in ^{208}Pb, 22:48532
  - Quasiclassical calculation of the effective quadrupole charge and of the quadrupole-quadrupole interaction constant, 21:44778
  - WKB calculation of the nuclear isotope shift, 21:4350
  - WKB method for a strong Coulomb field, 25:40849
- KRAINOV, Vladimir Pavlovich Approximation methods of quantum mechanics, 23:1571
- KRAINOVA, I. F. Heat conductivity of K and Na—K alloys, 24:25701
- KRAINSKII, I. S. Design and construction superconducting solenoids for physical investigations, 25:36076
- KRAINYUKOV, N. I. Investigation of scintillation processes in ZnS:Ag single crystals, 21:21066
  - Radiation stability of ZnS(Ag) crystal when exposed to charged-particle irradiation, 22:30842
- KRAISS, Eberhard Cross section and polarization of H/sub α/ line by electron impact excitation, 22:17419
- KRAITOR, S. N. Circuit for discrimination of pulses from fission fragments and alpha particles in ZnS(Ag), 22:43071
  - Emergency personal dosimeters for gamma-neutron radiation, 24:7662
  - Fissionable substances in neutron dosimetry, 21:334
  - Registration of fission products with a ZnS(Ag) detector, 24:25284
  - Slow neutron fission cross-section of ^{237}Np, 24:43330
  - Threshold detectors used for the neutron spectrum measurement, 25:13210 (JINR-P3-5421)
- KRAJCIK, Richard A. Electromagnetic interactions with an arbitrary loosely bound system, 24:20101
- KRAJCIK, Richard Allen Electromagnetic interactions of composite systems, 25:25367
- KRAJCINOVIC, Dusan Structural analysis of subassembly fuel ducts, 24:33394
- KRAJENBRINK, Frans G. Channelling to random transition, 24:42523
- KRAJEWSKI, B. Comparison of atmospheric transport model calculations with observations of radioactive debris, 24:31504
  - Tropospheric scavenging of ^{90}Sr and ^{3}H, 25:26389 (CONF-700601-, pp 447-63)
  - Updating stratospheric inventories to January 1970, 25:15784 (HASL-239, pp I.80-91)
- KRAJEWSKI, Barbara Calculation of stratospheric air sample volumes, 23:45443 (HASL-211)
  - Project Airstream, 22:25527 (HASL-193, pp I.33-207)
  - Seasonal and latitudinal modification of the HASL model of atmospheric transport, 25:15783 (HASL-239, pp I.63-79)
- KRAJEWSKI, W. Allotropic transformation and thermal expansion of Co binary alloys between 100 and 800°C. I, 25:29899
- KRAJICEK, Dayton D. Oral radiation in prosthodontics, 23:38717
- KRAJICEK, J. E. Dynamic simulation of primary loop check valves for the fast flux test facility, 24:29043 (BNWL-1347)
- KRAJICEK, J. E. Jr. Comparison of methods for evaluating LMFBR vessel damage, 25:41384

KRAJNIK, J. Absorption of gamma rays in silicon and calcium, 22:44654
On-line computer system for neutron physics experiments, 25:35048 (CONF-700647-, pp 183-93)
KRAJNOVIC, M. Turnover of ^{65}Zn during early embryonal development of sea urchin Pracentrotus lividus Lam, 23:20106
KRAJNOVIC, Mirjana Loss of ^{65}Zn in mussel, 23:41221
KRAJSKA, V. Demonstration of bone lesions using ^{85}Sr, 23:38451
KRAKHMALEV, V. A. Surface structure of negative crystals (pores) in molybdenum, 22:31406
KRAKHMAL'NIKOV, E. B. Measurement of ionospheric parameters from Doppler and Faraday effects of coherent signals, 25:2971
KRAKOWER, Jeffrey M. Dynamic sterochemistry: a comparator for electron impact and pyrolytic elimination of acetic acid from acetates, 24:31332
KRAKOWSKI, R. A. Dissociation of hydrogen on tantalum using a modulated molecular beam technique, 23:10218
Oxygen dissolution into Zircaloy cladding during loss-of-coolant accident, 23:37585
Self-diffusion of carbon in uranium monocarbide, 23:36242
Survey of the literature on the carbon—hydrogen system, 24:22625 (UCRL-19149)
KRAKOWSKI, Robert A. Dissociation of H on Ta, 21:23862 (UCRL-17336)
KRAKOWSKI, Robert Anthony Dissociation of hydrogen on tantalum using modulated molecular beam technique, 22:28816
KRAL, J. Computer study of slow interchange instability in mirror machines, 23:42340
Experimental devices for duoplasmatron studies, 23:42813
Measurement of discharge characteristics of duoplasmatron, 23:42812
KRAL', O. A. Technical properties of compositions of the MgO—Cr_2O_3—ZrO_2 system, 21:22925
KRAL, Stanislav Determination of scandium in technical iron, 25:44330
KRALIK, Frantisek Problem of intermetallic compound analysis in the system Nb—Sn with an electron microprobe analyzer, 22:697
KRALIK, G. Electron emission during melting and solidification of metals, 21:1909
KRALIOS, A. Determination of hepatic blood flow in hyperthyroidism with the ^{198}Au blood extraction method, 25:11141
KRALJIC, I. Kinetics of OH radical reactions in radiolysis, photolysis, and the Fenton system, 22:2167
KRALL, H. R. Extraneous light emission from photomultipliers, 21:32523
Pulse height resolution of high gain first dynode photomultipliers, 23:11920
Recent developments in GaP(Cs)-dynode photomultipliers, 24:39282
KRALL, N. A. Characteristic instability of an electron gas of uniform density, 24:37484
Effect of magnetic curvature on the drift-cyclotron instability, 21:40043
Electron heating by electron—ion beam instabilities, 24:19870
Ion heating in a high voltage theta pinch, 25:38385 (CONF-710607-124)
Landau damping of electrostatic ion waves in a uniform magnetic field, 23:25403
Nonlocal behavior of ion sound instability in collisionless shock wave, 25:52843
KRALL, Nicholas A. Anomalous resistivity in collisionless plasma shock waves, 23:46463
Ballistic wake of turbulence in a plasma shock wave, 23:23129
Drift waves, 23:12928
Finite β effects in a weakly unstable plasma, 21:7296
Ion sound instability in a collisionless shock wave, 23:18676
Low-frequency instabilities in magnetic pulses, 25:59069
Magnetic field fluctuations near the Moon, 24:6319
Nonlinear limit of a drift instability related to auroral bombardment, 22:1275
Self-consistent calculation of an explosive instability, 25:40667
Solitary waves in a warm collision-free plasma, 23:39520
Stabilizing effect of mode coupling in collisionless plasma, 21:33492
Vlasov description of an electron gas in a magnetic field, 23:25371
Vlasov equilibria and stability of an electron gas, 24:28320
KRALOVA, A. Radium sensitivity and operation for cancer of cervix, 24:44620
KRALOVA, M. Effect of low doses of ionizing radiation on the initial growth and the nitrogen content of summer wheat, 25:24454
Investigations of so-called primary and secondary joint necrosis with bone-seeking radioactive isotopes, 22:33883
KRAMAR, E. Irradiation of dried albumin from cattle blood, 21:26711
Parameters for evaluating the state of preservation of fish, 21:26724
KRAMAR, J. Ionization of mercury vapor in nuclear reactor, 23:42014
KRAMAR, Jaroslav Use of ion sputtering in making electrodes for thermionic energy converters, 25:43187
KRAMARCZYK, W. J. Exact master equations, 23:25485
KRAMAROVSKII, Ya. M. Does the electron charge change with the age of the Universe, 25:19883
KRAMER, B. R. Proton-alpha particle counter for the Apollo system, 24:9653
KRAMER, Barry Jay Digital computation of power spectral density curves from reactor noise data, 24:43714 (IN-1374)
KRAMER, C. Experimental evaluation of motion characteristics of a scanner transport system, 23:2560 (ORO-2401-25)
KRAMER, C. E. Design and evaluation of a computer controlled whole body research scanner, 22:4424 (CONF-671027-2)
Versatile isoresponse plotting system, 21:6567
KRAMER, C. F. Liquid-scintillation assay of ^{45}Ca in bone and other biological tissue, 24:29516
KRAMER, D. Algebraic special Einstein spaces with one group of motion, 22:35120
Axial-symmetric stationary solutions of Einstein field equations for the vacuum, 23:3825
Effect of helium on stress-rupture behavior of Types 304 and 316 stainless steels, 24:27754 (AI-AEC-12932)
Effect of helium on the stress-rupture behavior of Type 316 stainless steel, 25:16464
Effects of helium on high-temperature ductility of Sandvik 12R72HV and Inco in 744X, 24:39666 (AI-AEC-12960)
Effects of helium on the high-temperature ductility of Sandvik 12R72HV and Inco IN-744X, 25:42872
Exact stationary solution of the Einstein—Maxwell equations, 24:43035
Helium embrittlement in type 304 stainless steel, 22:8726 (NAA-SR-12601)
Helium embrittlement in type 304 stainless steel, 22:17122
Helium embrittlement of a ferritic stainless steel, 23:12368 (AI-AEC-12763)
Helium embrittlement of a ferritic stainless steel, 23:48442
Helium embrittlement of fuel-cladding, 24:14834
Helium embrittlement of Incoloy 800, 23:8178
Helium embrittlement of type 316 stainless steel, 22:34076 (AI-AEC-12670)
Helium embrittlement of type 316 stainless steel, 23:41688
High-temperature tensile behavior of helium-injected type-304 stainless steel, 21:36887
Materials management, 23:22577 (AI-AEC-12744, pp 65-78)
Method for construction of stationary Einstein—Maxwell fields, 24:43036
Proton irradiation effects in type 321 stainless steel, 25:29915
Void formation in proton irradiated stainless steel, 25:42917
Void formation in proton-irradiated stainless steel, 24:36937 (AI-AEC-12961)
Void formation in Types 316 and 321 stainless steel by proton irradiation, 25:40081
KRAMER, D. A. Gelatin-free ion-sensitive plates for mass spectrography, 22:4530
KRAMER, David Omega phase precipitation and superconducting critical transport currents in Ti—Nb, 22:1102
KRAMER, E. J. Prog. rpt. on study of interaction between magnetic fluxoids and crystal defects in type II superconductors, 10/31/69, 24:6469 (NYO-4060-2)
KRAMER, Edward J. Deformation-induced anisotropy of the critical current in single crystal niobium, 24:45178
Dislocation dipole motion in type-II superconductors, 24:15252
Enhanced strain amplitude dependence of internal friction in Nb, 23:12979
Internal-friction and Young's-modulus variations in the superconducting, mixed, and normal states of Nb, 22:1115
Prog. rpt. on study of interaction between magnetic fluxoids and crystal defects in type II superconductors, 10/70, 25:5036 (NYO-4060-5)
Yield and recovery of flux line lattice in a Type-II superconductor, 25:52748
KRAMER, F. W. EEI-Westinghouse Plutonium Recycle study program, 22:6022
KRAMER, G. Absorption effects for high energy photons, 22:13692 (DESY-67/37)
"Absorption effects" for high-energy photons, 22:26601
Annihilation of electron—positron pairs into mesons, 25:17450
Annihilation of electron-positron pairs into mesons, 25:1440 (DESY-70/44)
Chiral-symmetric meson—nucleon Lagrangians, 23:18916
Diffraction-dissociation model for high-energy rho-photoproduction, 24:42898 (DESY-70/23)
Diffraction-dissociation model for high-energy rho photoproduction, 25:22747
High-energy photoproduction of rho^0 and phi mesons, 23:36884
Low momentum transfer neutron form factors from analysis of deuteron electrodisintegration, 21:2600 (DESY-66/21)
Low momentum transfer neutron form factors from analysis of deuteron electrodisintegration, 21:12088
Neutron form factors from analysis of deuteron electrodisintegration experiments, 22:13926 (DESY-67/21)
Nucleon—nucleon interactions below 1 GeV/c, 25:30903
Pion gauge invariance and low-energy theorems, 23:42667
Recent theoretical work in photoproduction of vector mesons, 25:5323 (DNPL/R-7, pp 3-28)
Regge-pole model for photoproduction of charged pions, 23:49088
Regge-pole model for π^0 photoproduction, 23:46647
Spin dependence of photoproduction of neutral rho mesons at high energies, 22:13691 (DESY-67/32)
Sum rules in perturbation theory, 21:29534 (DESY-67/11)
Sum rules in perturbation theory, 21:31595
Theoretical investigation of the asymmetry of pion photoproduction with a polarized target, 25:47775 (DESY-71/27)
Universality of the two-pion isovector coupling, 24:33016 (DESY-70/18)
Universality of the two-pion isovector coupling, 25:53167
KRAMER, G. N. Recovery of Pu from non-irradiated refractory Pu and U—Pu oxides, nitrides, and carbides, 23:13839
KRAMER, George Donald Reaction (p,2p) in He and C, 21:35432
KRAMER, Gerald R. High Z scintillator, 24:39286
KRAMER, Gordon Semiconductor dosimeter having low temperature diffused junction, 25:8565
Semiconductor fast-neutron dosimeter with low threshold of sensitivity, 21:32488
KRAMER, H. Radiolytic products of liquid ammonia, 22:2114
KRAMER, H. H. Cadmium determination by neutron activation analysis, 24:11477
Indium-113m for blood-pool and brain scanning, 21:18090
Indium-113m: short-lived isotope for lung scanning, 21:18085
Measurement of H^{14}CN in HCN produced by fission fragment irradiation of nitrogen and methane, 23:2344
MINIGENERATOR: an innovation for teaching nuclear principles and applications, 24:5827
New radiopharmaceutical for liver scanning, 21:30855
KRAMER, H. L. Comment on quenching of glory undulations in atom—molecule scattering, 24:1291
Vibrational quenching of glory undulations in scattering of Na from polyatomic gases, 22:5115
KRAMER, Henry H. Activation analysis, 22:49410
Deuterium analysis by photoneutron detection, 23:2222
Deuterium analysis by photoneutron detection, 23:49735
Geographic characterization of chromium ore deposits by elemental analysis, 23:49
Neutron-activation analysis, 21:19558
Production of /sup 185m/W in a nuclear reactor, 21:13885
Rapid determination of thorium air filters by neutron-activation analysis, 22:37655 (UCRL-18140, pp 91-9)
Reactor neutron cross sections for some (n,γ) reactions, 22:22608
Specific activity of ^{131}I solutions via an iodide electrode, 22:21150
Urinalysis for ^{233}U and ^{238}U by activation analysis, 21:6502
KRAMER, Henry Herman Production of /sup 113m/In, 25:15696
KRAMER, I. F. Isotopic shift in the Hf spectrum: deformations of Hf, Er, and Dy nuclei, 22:7710
KRAMER, I. R. Surface layer effects on the plastic deformation of iron and molybdenum, 21:24761
KRAMER, Ivan Resonances and kinematical peaks in strong interactions, 22:11680
Resonances and kinematical peaks in strong interactions, 22:24674
KRAMER, J. Detection of small amounts of substances by means of exo-electrons, 22:26454 (UCRL-Trans-10225)
Dosimetry with exo-electrons, 23:7816 (CONF-680920-, pp 180-99)
Dosimetry with exoelectrons, 23:24472
Dosimetry with exoelectrons, 24:27422 (CONF-690540-, pp 441-63)
Effects of water content, oxygen, and metabolic state on genetic effect of fast neutrons and gamma radiation of barley seeds, 24:50806 (CONF-691106-6)
New aspects in application of exoelectrons, 25:32284
Versatile control panel for production control quantometer, 24:23011 (NLCO-1053)
KRAMER, J. S. Phase stable interferometer of 100,000 wavelengths baseline, 23:6815
KRAMER, Joe Automatic discriminating printout system for quantometric analyses, 21:21888
KRAMER, Johannes Investigation of small amount of substance with exoelectrons, 21:16988
KRAMER, K. Effective collision cross sections in scattering experiments, 25:49736 (MLM-1841(TR))
KRAMER, K. H. Oxidation behaviour of nickel—vanadium alloys in air, 25:58251
Oxidation of Ni-V alloys in air, 25:35289
KRAMER, K.-H. Investigation of special melts of alloy Incoloy 800, 23:51036 (KFK-987)
Precipitation behavior in nickel—vanadium alloys, 23:48459 (KFK-935)
Precipitation processes in pure vanadium and vanadium—titanium alloys, 24:39660
KRAMER, Karl-Heinz Precipitation behavior of nickel—vanadium alloys, 24:2961
KRAMER, L. Stability limits of Meissner state and mechanism of spontaneous vortex nucleation in superconductors, 22:31746
Thermodynamical behavior of type-II superconductors, 21:5227
Vortex nucleation in type-II superconductors, 21:27083
KRAMER, Leo N. Estimation of protein quantity and quality by x-ray photoelectron spectroscopy, 24:46159 (UCRL-19899)
KRAMER, Lois Metabolism and removal of radiostrontium in man, 25:55109 (COO-1231-67)
KRAMER, Lorenz Stability of superflow and ion mobility in ^{3}He—^{4}He mixtures, 25:3012
Thermodynamic behavior of Type-II superconductors with small kappa near the lower critical field, 25:30422
Thermodynamic stability of superfluid flow through a channel, 23:16759
KRAMER, M. High-energy muon—proton scattering: muon—electron universality, 23:36820
High-energy muon—proton scattering: one-photon exchange tests, 23:36821
Piping system of Dodewaard Nuclear Power Plant, 24:9067
KRAMER, Martin A. Tests of the one photon exchange model for high energy muon—proton elastic scattering, 24:8558 (NEVIS-178)

KRAMER, Melvyn W. Late patho-physiologic responses of dogs to head x-irradiation, 24:14580 (UR-49-1134)
KRAMER, N. Investigation of the ^{177}Lu level structure, 24:47582
Study of ^{177}Yb by the (n,γ) reaction, 21:46739
Study of ^{178}Hf by the (n,γ) reaction, 21:46738
KRAMER, N. B. Extraction of dense ion beams from plasmas, 21:43815
KRAMER, N. D. Internal conversion electron spectrum in reaction ^{176}Lu(n,γ)^{177}Lu, 22:50640
Lutetium-177 radiation spectra during thermal neutron capture, 25:23037
KRAMER, P. Antisymmetric states of cluster model and their α-particle parentage, 24:45824
Applications of group theory in the nuclear shell and cluster model, 23:4040 (BMwF-FBK-68-30)
Energy levels of the four nucleon system, 21:5485
General transformation brackets for harmonic oscillator states, 25:22862
Group theory and the nuclear cluster model, 24:20438
Group theory and the supermultiplet scheme, 24:45813
Group theory of harmonic oscillators. IV, 22:9960
Group theory of harmonic oscillators. V, 23:19382
Harmonic-oscillator states and the α particle. II, 23:46785
Magnetic analogue of electric field configurations applied to the central region of an AVF cyclotron, 22:39517
Orbital fractional parentage coefficients for the harmonic oscillator shell model, 21:40486
Origin of Regge symmetry for Wigner coefficients of SU(2), 23:10837
Recoupling coefficients of the symmetric group for shell and cluster model configurations, 22:50685
Studies in nuclear cluster model. I, 23:9066
Studies in the nuclear cluster model. II, 24:3971
KRAMER, Paul E. Shock initiation of LX-07-2 and LX-10-0, 24:41161 (UCRL-50851)
KRAMER, Paul J. Faddeev equations for atomic problems. II, 23:41956
Faddeev equations for atomic problems. IV, 25:14010
Multiple-scattering expansions for nonrelativistic three-body collision problems. III, 25:55868
KRAMER, Paul Robert Elastic π^+p scattering at 2.35 and 2.90 GeV/c, 21:18924
KRAMER, Peter Irreducible representations of the semidirect-product group K/sub n/ = A/sub n/:S/sub n/ and the harmonic-oscillator shell model, 22:44783
KRAMER, R. States 3576 and 3616 keV in ^{18}Ne, 24:6832
KRAMER, Raymond F. Effect of a magnetic field on the space charge neutralization problem in electric propulsion, 21:28958 (SSD-TR-67-34)
Magnetic field effect on space-charge neutralization in electric propulsion, 22:9141
KRAMER, S. Protection against whole-body irradiation by diets of inert nonabsorbable substances, 22:49412
The value of radiation therapy for pituitary and parapituitary tumours, 24:34530
Use of methotrexate and radiation therapy for advanced cancer, 24:27647
KRAMER, S. L. Boson structures in reaction $\pi^+p \rightarrow p\pi^+\pi^0$ at 13.1 GeV/c, 24:37645 (COO-1428-221)
Decay of high mass bosons to $\pi^+\pi^0$, 24:37637 (COO-1428-176)
Decay of some high-mass bosons to $\pi^+\pi^0$, 24:40282
Diffractive $\pi\pi$ scattering in $\pi N \rightarrow \pi\pi N$ at 13.1 GeV/c, 25:56425 (COO-1428-294)
Final states with a single charged particle and visible Λ from K^-n interactions at 4.5 GeV/c, 24:18090
High mass boson production in π^+p interactions at 13.1 GeV/c, 24:37646 (COO-1428-222)
Production of a π^-eta resonance at a mass of 0.98 GeV in $K^-n \rightarrow \Lambda\pi^-$eta at 4.5 GeV/c, 23:30718
Study of Δ^{++} production in two pronged π^+p interactions at 13.1 GeV/c, 24:42877 (COO-1428-232)
KRAMER, Simon Carcinogenic properties of increased oxygen tensions. I, 23:919
Chronic effects of irradiation upon rat liver, 23:6578
Influence of treatment on the survival of patients with hepatic metastases diagnosed by liver scanning, 24:48616
Liver scanning in patients with suspected or proven cancer, 24:21224
Oxygen effect on the production of radiation-induced myelitis in rats, 25:26966
Prognosis in patients with metastatic liver disease, 23:45822
Tumor extent as a determining factor in radiotherapy of glioblastomas, 24:6093
KRAMER, Vili Radiation degradation of strongly acidic ion-exchange resins, 23:9457
KRAMER, W. Creep behavior of can material under irradiation, 21:503 (KFK-396)
Creep behavior of can materials under irradiation, 21:13216 (EURFNR-129-F)
Fast breeder cannings for irradiation experiments: measuring and fabrication problems, 21:38590
Irradiation equipment for fast-breeder cannings, 22:10447
Superheated steam loop for contamination study of the FR-2, 25:48311 (KFK-1308)
KRAMER, W. C. Brazing techniques and procedures for fabricating fuel subassemblies for AARR, 23:15671 (ANL-7458)
Vanadium alloy screening studies and fabrication of V—15 wt. percent Ti—7.5 wt. percent Cr tubing, 21:14799 (ANL-7206)
KRAMER, William Robert Interaction of a streaming plasma with a magnetic mirror, 25:43359
KRAMER-AGEEV, E. A. Angular distribution of thick-target gamma bremsstrahlung, 23:27671 (SLAC-Trans-93)
Express method for reconstructing the spectra of fast neutrons in nuclear-physics installations during measurement by threshold detectors, 25:48009
Measurement of fast-neutron spectra with threshold detectors, 25:57775
Neutron dose composition in shielding materials, 21:33502 (AEC-tr-6719, pp 1-6)
Treatment of intermediate-neutron spectra taken with a time-of-flight spectrometer, 21:32374 (AEC-tr-6719, pp 44-9)
KRAMEROV, A. Ya. Application of the method of reduced costs to estimates of the effectiveness of utilization of nuclear fuel, 25:31585
Experimental vessel-type reactor and some data on the reactor start-up, 22:35619
KRAMERS, William Julian Improvements in or relating to nuclear reactors, 21:5653
KRAMISH, A. Reexamination of nuclear proliferation problems presented by world-wide requirements for enriched fuel, 23:41559 (AD-684030)
KRAML, Manfred Interaction of short wave and long wave radiation in the photomorphogenesis of Pisum and Sinapis, 21:16527
KRAMLING, R. W. Spin-free self-consistent-field theory, 22:15352
KRAMMER, M. K^+N scattering and threshold $N^*(1238)$ production, 22:15798
Regge-pole fit of the reaction $K^+ + p \rightarrow K^0 + \Delta^{++}(1238)$, 22:3428
Regge-pole parameters for reaction $\pi^+ + p \rightarrow \pi^0 + \Delta^{++}(1238)$, 21:40226
Regge-pole prediction for $\pi^+ + p \rightarrow$ eta $+ \Delta^{++}$ (1238), 22:7519
Relativistic scalar quark model with strong binding, 25:28022 (DESY-71/10)
Rho + R Regge-pole model for isobar production, 24:3672
Vector meson dominance model and π^{+-} production by photons, 23:5558
KRAMMER, Margarete K^+d structure in I = 0 at 1.2 GeV/c as a result of S-state $K \rightarrow K^*(890)$ channel coupling, 22:9626
Phase of the phi—nucleon forward scattering amplitude, 25:7655 (DESY-70/53)
Vector meson dominance analysis of data on reaction $\pi^- + p \rightarrow$ rho^0 + n, 22:26664
Vector meson dominance analysis of data on reaction $\pi^- + p \rightarrow$ rho^0 + n, 22:29652 (DESY-68/6)
Vector meson dominance model and π+- production, 22:41769 (DESY-68/33)
KRAMMER, P. A. Preliminary weldability evaluations of tantalum alloys, 21:9121
KRAMMERER, O. F. Resistive transition in weakly coupled superconductors, 23:30477
KRAMP, Robert C. Calcium in hock joints of wildlife ruminants in selected areas of the U.S, 22:6230 (SWRHL-34-r)
KRAMSKOI, G. D. Determination of the critical current in a section with radial slots in the iris disk, 25:9907 (KFK-tr-335)
Dispersion characteristics of circular iris-loaded waveguide, 25:50580
Formation of electron bunches of small phase length in the accelerator injector, 23:3883
Influence of radial slots in iris disk of waveguide on dispersion properties and quality factor of system of axially-symmetric and nonaxially-symmetric waves, 25:12306 (KFK-tr-334)
Investigation of pulse shortening effects in multi-section linear accelerators, 22:39531
Phase spectrum of accelerated electrons, 24:38052
Studies of a section of a disk-loaded electron linear accelerator, 24:15754
KRAMSKOY, G. D. Investigation into the effects of current pulse shortening in multisection linear accelerators, 21:46620 (SLAC-Trans-73)
KRANC, S. Magnetogasdynamic re-entry phenomena, 22:17455
KRANC, Stanley Charles Magnetoaerodynamic flow around blunt bodies, 24:21652
KRANE, K. S. Decay of ^{125}Sb, 25:50760
Determination of E2/M1 multipole mixing ratios of gamma transition in ^{110}Cd, 24:26632 (COO-1746-31)
Directional correlation measurements of the γ rays emitted in the decay of ^{160}Tb, 24:49855 (COO-1746-49)
E2/M1 multipole mixing ratios in spherical nuclei ^{124}Te, ^{126}Te, and ^{126}Xe, 25:12515 (COO-1746-51)
E2/M1 multipole mixing ratios in the spherical nuclei ^{124}Te, ^{126}Te, and ^{126}Xe, 25:34097
E2/M1 multipole mixing ratios of gamma transitions in quasi-spherical nucleus ^{131}Xe, 25:46017 (COO-1746-56)
Experimental test of the Kumar—Baranger pairing-plus-quadrupole force model in the A = 190 region through E2-M1 mixing amplitudes, 24:52554 (COO-1746-47)
Gamma—gamma directional correlation measurements in ^{124}Te, 24:52553 (COO-1746-40)
Measurement of E2/M1 amplitude ratios of γ transitions in even—even isotopes of Os and Pt, 24:49854 (COO-1746-35)
Measurements of gamma rays emitted in decay of ^{160}Tb, 25:36776
Multipole mixing ratios of the gamma transitions in ^{110}Cd, 25:17887
Parity-nonconserving γ-ray asymmetry, 25:39049
Tables of coefficients for analysis of angular distribution of gamma radiation from oriented nuclei, 25:41253 (LA-4677)
Test of the Kumar—Baranger pairing-plus-quadrupole force model in A = 190 region, 25:36773
Ultralow temperature rotating polarization system, 25:55089
KRANE, Kenneth Saul Gamma transitions between collective states of even—even nuclei, 25:28434
KRANENDONK, Donald H. Femoral trabecular patterns and bone mineral content, 25:54357 (COO-1422-107)
KRANER, H. W. Band-gap effects in stopping of ^{73}Ge atoms in germanium, 23:1219
Effects produced by fast neutron bombardment of Ge(Li) gamma ray detectors, 22:28264
Effects produced by fast neutron bombardment of Ge(Li) gamma-ray detectors, 23:22147
On the use of gamma-ray spectroscopy to determine Pu isotopic abundances in plutonium sources, 24:46190 (BNL-50237)
Si(Li) coaxial detectors, 24:39297
Silicon—lithium coaxial detectors, 24:20978 (BNL-14168)
Stopping of 1- to 1.8-keV ^{73}Ge atoms in germanium, 25:49962
Total absorption Ge(Li) gamma ray spectrometer, 22:23307 (BNL-12332)
Total absorption Ge(Li) gamma ray spectrometer, 22:40441
KRANER, Hobart W. Effects of variables on ^{222}Rn flux and soil-gas concentrations, 22:2231
Multiple semi-conductor radiation detectors with common intrinsic region, 25:6541
KRANER, Keith L. Effects of neodymium laser radiation upon the heads of dogs, 21:24639
KRANIGK, Helmut Thermal and nonthermal plasma for generation of ions, 23:39881
KRANJC, K. X-ray coloration of sodium chloride crystals, 23:20986
KRANKOTA, J. L. Effective thermal conductivity of PuO_2—UO_2 at high burnups, 25:54288 (GEAP-13703)
Interpretation of ASME code for low-alloy steels in bimetallic Na systems, 24:12356 (GEAP-13545)
Melting point of high burnup PuO_2—UO_2, 22:33172
Melting point of plutonia—urania mixed oxides irradiated to high burnup, 24:10157 (GEAP-13515)
Performance limits of materials for sodium-heated steam generators, 23:46038 (ANL-7520(Pt.1), pp 327-34)
KRANKOWSKY, D. Composition of lower thermosphere during summer 1967, 23:5308
Day—night variations in the neutral composition of the lower thermosphere, 23:1284
Isotopic composition and abundance of lithium in meteoritic matter, 22:173
Negative ions in lower ionosphere, 25:49805
KRANSKY, V. Two-dimensional stress-induced adiabatic flow, 25:34769 (UCRL-50987)
Two-dimensional stress-induced adiabatic flow. II, 25:44301 (UCID-30013(Pt.2))
Two-dimensional stress-induced adiabatic flow. I, 25:44300 (UCID-30013(Pt.1))
Two-dimensional stress-induced adiabatic flow. III, 25:44302 (UCID-30013(Pt.3))
KRANTZ, John C. Jr. Anesthesia. LXIX. Anesthesia with deutero ether, 21:14564
Anesthesia. LXXII. Anesthesia with deuterochloroform, 21:28365
KRANTZ, S. Zone-electrophoretic, chromatographic, and spectrographic investigations on fibrinogens of normal and Co-treated rabbits, 25:21884
KRANTZ, S. B. Effect of erythropoietin on human bone marrow cells in vitro, 21:22226 (ACRH-26, pp 33-5)
In vitro behavior of stem cells, 23:29390 (ACRH-30, pp 1-7)
KRANWINKEL, R. Role of ^{75}Se methionine uptake in diagnosis of lymphoma, 22:4629 (NYO-3723-1(Rev.))
KRANYS, M. Nonadiabatic motion of charged particle in inhomogeneous rotationally symmetric magnetic field, 22:24508
KRANZ, D. Behavior of radioactivity in blood and hematopoietic system, 23:35629
Comparative investigation of changes in lungs of rabbits, 25:16305 (LF-tr-33)
Lung changes in rabbit following thorax irradiation, 23:31945
Lung changes in rabbit following thorax irradiation, 23:50849
KRANZ, E. Ferritic Cr—Mo-steel with Nb addition usable for construction of Na-cooled nuclear reactors, 25:35407
KRANZ, Eckhard Development of a low-alloy ferritic steel for high-temperature sodium service with special regard to carbon transport, 21:30970
Ferritic Cr—Mo steel with Nb additions, 25:49443
KRANZ, Erich Dynamic pressure measurement at the anode of high-current electric arcs, 25:56155
Investigation about the thermic capacitance and the shape of nozzles for guiding of high current plasmas, 25:38417
KRANZ, R. Geochemical significance of organic compounds in the incorporation of uranium-containing minerals, 22:4293
KRANZLER, Jeffery K. Diagnostic value of hepatic pliability as assessed from inspiration and expiration views on the gamma camera, 25:24237
KRAPCHEV, V. Relativistic expansions, 25:56577
KRAPF, Rudolf Overheating protection device for thermionic elements heated by nuclear energy, 25:13173
Thermionic converter with concentric collector and emitter, 25:43189
Thermionic fuel rod with nuclear fuel, 25:34375
KRAPPE, H. J. Collective model for pear-shaped nuclei, 23:15526
Fission barriers and saddle-point shapes, 24:30904
Stability of nuclei against pear-shaped deformations, 22:3779
KRAPPEL, W. Method of nondestructive measurement of absolute cumulative ^{140}Ba yield of U irradiated in thermal and fast neutron spectra, 25:50733
KRAPUKHIN, V. V. Preparation of high-purity metals and semiconductor materials, 24:978
KRARUP, T. Growth pattern of follicles in mice after x-ray or DMBA induction of ovarian tumors, 24:34632
KRASAVIN, E. A. Radioprotective effects of inositol in E. coli B, 25:44837
Radiosensitivity of E. coli B, 25:44984
KRASCELLA, N. L. Absorptive properties of small particles and heavy-atom gases, 21:604 (NP-16338)
Absorptive properties of small particles and heavy-atom gases, 21:11473 (NASA-CR-693)

Experimental investigation of the spectral emission characteristics of argon—tungsten and argon—uranium induction heated plasmas, 23:34409 (N-69-22920)
Spectral radiant flux emitted from fuel region of nuclear light bulb engine, 25:23371 (N-71-10431)
Theoretical investigation of radiant heat transfer in the fuel region of a gaseous nuclear rocket engine, 21:1202 (NP-16337)
Theoretical investigation of radiant heat transfer in the fuel region of a gaseous nuclear rocket engine, 21:19841 (N-67-16013)
Theoretical investigation of the composition and line emission characteristics of argon—tungsten and argon—uranium plasmas, 23:34424 (N-69-21124)
Theoretical investigation of the radiant emission spectrum from the fuel region of a nuclear light bulb engine, 24:16259 (N-70-12225)
KRASE, J. M. Fort St. Vrain: nuclear, 24:9062
KRASE, L. D. Stationary states of a spin-1 particle in a constant magnetic field, 25:25352
KRASEVEC, V. Some physical properties of nuclear graphite, 22:43633 (TT-67-58017/3-4, pp 21-7)
KRASHENINNIKOV, I. S. Small-size 128-channel pulse analyzer, 22:8410 (AD-660962)
KRASHES, David Polishing beryllium by vibration, 21:14811
KRASHIN, D. I. Change of properties of silica gel under action of gamma irradiation, 25:18427
KRASICHKOVA, Z. I. Disturbance of state of DNA-protein complex of chromatin in cell nucleus under influence of ionizing radiation, 24:16984
KRASIKOVA, M. I. Neutron activation determination of macro amounts of W, 24:20728
KRASIL'NIKOV, D. D. FIAN electron circular synchrocyclotron. III, 22:32412
Results of studies of cosmic-ray variations in Yakutsk in 1957—1960, 21:29047
KRASIL'NIKOV, E. Yu. Experimental study of the influence of longitudinal magnetic field on convective heat transfer in turbulent pipe flow of conducting fluid, 21:20830
Influence of transverse magnetic field on convective heat exchange during turbulent flow of conducting liquid, 22:43970
KRASIL'NIKOV, N. A. Absorption of uranium and its decay products by Mycococci, 24:31818
Action of U on the biosynthesis of amino acids by microorganisms of Mycococcus genus, 24:48411
Migration of naturally radioactive elements in rocks and soils, 22:12798
KRASIL'NIKOV, S. S. Radiation of Hg—^{3}He gas mixture bombarded by a neutron stream, 25:468
KRASIL'NIKOV, V. V. Method of the generating functional in the kinetics of the weak nonuniform states, 24:26342 (ITF-69-67)
KRASIL'NIKOVA, G. B. Determination of diffusion parameters in Mo—Ta and W—Ta systems, 24:32493
KRASIL'NIKOVA, L. N. Colorimetric determination, with arsenazo I, of rare earth metals, 21:42905
KRASILOV, Yu. Relation of luminescence properties and the gyrotropy of uranyl compounds to their structures, 25:7485
KRASILOV, Yu. I. Features of the luminescence of crystalline uranyl phosphates and arsenates, 25:49548
Gyrotropy of cubic crystals of uranyl compounds, 24:27054
Natural and artificial rotation in cubic crystals of uranyl compounds, 22:18777
Peculiarities of transfer and dissipation of energy in luminescent materials based on polyphosphoric acids with uranyl and rare earth ions, 23:45250
Spectroscopic studies of sensitized luminescence of rare earth ions in uranyl tetrachloride crystals, 21:21961
KRASILOVA, O. I. Molecular-weight distribution of poly(methyl methacrylate) triphenyl phosphite additions in radiolysis, 24:13966
KRASIL'SHCHIKOV, A. P. Experimental investigation of the aerodynamic characteristics of a sphere in free flight at mach numbers up to approximately 15, 25:41669 (SC-T-69-1028)
KRASIN, A. K. BRG-30 experimental power installation with gas-cooled fast neutron reactor and dissociating heat transfer medium, 25:34323 (JPRS-53069, pp 166-75)
BRG-30 experimental power plant with a gas-cooled fast reactor and a dissociating coolant, 25:48240
Calculation of chemonuclear reactor channel productivity in condition of non-isothermal flow of radiolized gas and variable dose rate, 25:1947
Contribution of the (n,2n) and (n,α) effects in Be to the neutron multiplication coefficient, 21:19183
Critical assembly for studying pure U—water lattices, 22:7902 (JPRS-43049)
Dissociating gases: a new class of coolants and working substances for large power plants, 25:37393
Efficiency and interference of rotating compensating cylinders and absorption rods in uranium—water lattices, 21:30272
Investigation progress in Institute of Nuclear Power of Belorussian Academy of Sciences, 22:35679
Large γ facility UGU-200, 25:54844
Physical and technical principles of creating atomic power stations with fast neutron gas reactors cooled by dissociating N_2O_4, 25:54284 (A/CONF.49/P-431)
Prospects for using chemically reacting systems as coolant and working substance in atomic power stations with fast nuclear reactors, 23:52338 (JPRS-48330, pp 640-66)
Rotating shim cylinders in reflector of U—H_2O cores, 24:5520
KRASIN, L. G. Optimum thickness of image-intensifying screens for radiographic inspection, 25:34824
KRASINA, T. A. Effect of reactor radiation on structure and properties of stainless steels, 23:51078 (JPRS-48331, pp 553-75)
KRASINSKII, G. A. Solutions in plane n-body problem, 22:45897
KRASITSKAYA, L. S. Critical adiabaticity parameter for various magnetic-field geometries, 25:40845
Determination of the adiabaticity parameter rho/sub L//R for an electron moving in an axially-symmetrical magnetic trap, 21:31394
Magnetic surfaces of toroidal helical field near separatrices, 24:32855
Motion of charged particles in a magnetic trap with a mirror configuration, 23:51597
KRASITSKAYA, L. V. Magnetic field structure in L-1 stellarator with $l = 2$, 23:46503 (NP-tr-1825)
Magnetic field structure of type L-1, two-pass stellarator, 23:36725 (NP-17948)
KRASKA, I. R. Experimental neutron radiographic scatter factors, 22:49042
Neutron radiography of lead, 22:21731
Thermoluminescent image-detection method for neutron radiography, 23:33349
Track-etch plastic-film technique for neutron imaging, 21:36303
KRASNA, Alvin I. Effect of chemical modifications of DNA on its macromolecular structure, 25:18279 (CU-3957-10)
Effect of uv light on hydrogenase of Proteus vulgaris, 22:16978
Prog. rpt. on effect of chemical modification of DNA on its macromolecular structure, 5/70—1/71, 25:15432 (CU-3957-9)
Prog. rpt. on the effect of chemical modification of DNA on its macromolecular structure, annual, 5/1/68—1/31/69, 23:13599 (CU-3957-1)
Prog. rpt. on the effect of chemical modification of DNA on its macromolecular structure, annual, 5/1/69—1/31/70, 24:13670 (CU-3957-6)
KRASNANSKY, V. J. Photo-oxidation and reduction of aromatic molecules at surfaces, 22:25346
KRASNER, Morton H. Conceptual design of a compact fast reactor for space power, 25:41578
KRASNER, Saul ESR of gamma-ray irradiated single crystals of sodium chlorate, 25:21051
KRASNICKI, S. Investigation of magnons in hexagonal cobalt, 22:15919 (INP-568/PS)
KRASNICKI, Szczesny Mechanical selector of neutron velocities, 21:26268 (INP-527/PS)
KRASNICKI, Szozesny Energy spectra of spin lattices in magnetic crystals with impurities, 23:1512 (INP-617)
Mechanical selector of neutron velocities, 22:6640
Neutron investigation of spin wave dispersion relation in α-Co, 22:48150 (INP-610)
KRASNIK, F. I. Effects of total irradiation on immunity from typhus fever, 21:18169
Typhus infection in cotton rats subjected to x-ray irradiation, 21:18170
KRASNIK, Witold Polycythemia vera before and after treatment with ^{32}P, 23:29682
KRASNIKOV, V. A. Comparative characteristics of composite and dispersed air-equivalent scintillators, 25:32220
Scintillation dosimeter for gamma- and x-ray dose-rate measurements, 23:16165
KRASNIKOV, V. D. Automating a 2-GeV electron linac, 25:14852 (SLAC-Trans-126)
Concerning ways to stabilize basic parameters of beam of linear accelerator of electrons with energy 2 GeV, 24:47531 (KHFTI-69-20)
Structure of electron bunches from an injector with stepped variation of the wave phase velocity, 25:17614 (SLAC-Trans-127)
Structure of electron clusters in an injector with a step-like varying wave phase velocity, 25:28112 (KHFTI-70-17)
KRASNIKOV, Yu. G. Thermodynamically complete equation of state of imperfect plasma, 25:30521
Thermodynamics of a dense plasma, 22:13470
KRASNOBAEV, K. V. Instability of weak ionization waves of D type, 25:58627
Static solar HII zone, 25:27399
KRASNOBAEVA, N. Direct spectral determination of rhenium in molybdenum and copper concentrates, 25:28945
KRASNOBAJEW, V. X-ray effects on ferrodoxin from Clostridium pasteurianum, 25:39800
KRASNOBORODOV, B. S. Integrator of nanosecond signals with control, 25:32213 (JINR-P13-5742)
KRASNOKUTSKII, R. N. High resolution differential Cherenkov counters, 25:44679 (IFVE-SEF-70-48)
High-resolution differential Cherenkov counters, 25:15937 (NAL-tr-3)
KRASNONOSENKIH, P. P. Synchrotron (1.5 GeV) of the Polytechnical Inst. of Tomsk, 23:13177
KRASNONOSEN'KIKH, P. P. Operational results with the 1.5-GeV synchrotron, 24:38054
KRASNOPEROV, E. P. Use of a superconducting solenoid for nuclear paramagnetic resonance studies, 24:47185
KRASNOPEVCEVA, N. G. Recovery of yeast after irradiation and protein synthesis, 25:27096
Role of high energy compounds in the processes of postirradiation recovery of yeast, 25:27095
KRASNOPEVTSEV, E. A. Dispersion relations without subtraction and divergent sum rules, 22:39409
KRASNOPEVTSEV, V. V. Conductivity in diamond alloyed by bombardment with ^7Li ions at energies 10 to 45 keV, 25:1278
Conductivity in diamond doped by bombardment with 10- to 45-keV ^7Li ions, 25:22627
Implantation of 10- to 80-keV Li ions in diamond, 25:7445
Injection of 10 to 80 keV Li ions into diamond, 25:22595 (JPRS-52565, pp 1-15)
Ion-bombardment induced damage in diamond layers, 22:46246
X-ray diffraction of ion-bombarded diamonds, 25:9557
X-ray-diffraction image topography and optical interference pattern in diamond layers after ion bombardment, 22:37004
KRASNOPEVTSEV, Yu. V. Comparative analysis of global fallout of nuclear explosion products in oceans and continents, 21:34654 (NP-16517)
Estimate of the influence of the natural radioactivity on the ion balance in the atmosphere, 25:54786
Investigation of the radioactive aerosol distribution over oceans and some problems of the latitudinal exchange in the tropical zone, 21:6051
Latitudinal and seasonal change of radioactive aerosol removal from the lower troposphere, 23:17592
Measurements of the concentration of natural and artificial radioactive elements in air over Indian and Pacific Oceans in 1959—1960, 21:8455 (AEC-tr-6641, pp 32-5)
Radioactive isotopes in atmosphere and their use in meteorology, 21:36150 (AEC-tr-6711)
Some peculiarities of fission product concentration distributions over oceans in the tropical zone and their connection with atmospheric processes, 24:41449
KRASNOPEVTSEVA, T. V. Properties of corrosion-resistant alloy 47KhNM, 23:51049
KRASNOPOL'SKII, V. A. Airglow variations, 24:6457
Analysis of Cosmos-92 airglow observations, 23:32254
Measurements of dayglow in range 1800 to 6000 A, 25:22448
KRASNORUTSKII, V. S. Diffusion of beryllium in magnesium, 21:11228
Nature of quenched uranium texture, 24:4810
KRASNORUTSKIY, V. S. Influence of condition of impurities on strain orientation in low-alloyed alpha uranium, 22:36490 (JPRS-45470)
KRASNOSHCHEKOV, G. P. Quantitative ^6Li autoradiography of metastases of Walker-256 carcinosarcoma in pulmonary tissue, 25:29443
KRASNOSHCHEKOV, M. M. Effect of neutron irradiation on the graphitization of magnesium cast iron, 25:708
Effect of radiation on certain characteristics of niobium and its alloys, 23:8256
Effects of nuclear irradiation on properties of metals and alloys, 23:12386
Influence of neutron spectra on the strength of irradiated steel, 23:1015
Radiation effects on certain properties of niobium and niobium alloys, 22:8801
Softening of cast iron by irradiation with neutrons, 22:17149 (AD-662789)
Weakening effect of neutron irradiation on cast iron, 22:4843
KRASNOSHCHEKOV, N. V. Density measurement by means of backscattering of gamma radiations, 25:15858
KRASNOSHCHEKOVA, G. P. Three- and four-component models of cesium metabolism in rats and human beings, 23:17893 (AEC-tr-7030, pp 119-30)
KRASNOV, A. N. Diffusion saturation of spherical refractory metals powders with carbon and boron, 25:49431
Properties of powders produced by plasma spraying, 25:55467
KRASNOV, L. V. Abnormal behavior of hole levels in (d,p) reactions, 23:47056
Calculation of direct nuclear reactions by the distorted wave method, 21:2775
Coulomb stripping in wide energy range of emitted protons, 24:33132
Isospin term in the shell potential from nucleon binding energies, 23:19370
K-meson absorption on nuclear surface, 25:53683
Reaction $^{54}Cr(d,p)^{55}Cr$ at deuteron energies 12 and 6.8 MeV, 22:13984
Spectroscopic factors of 2p transitions in the reaction (d,p) on nuclei of mean atomic weight, 23:13233
Study of ^{28}Al nucleus level by means of stripping reaction $^{27}Al(d,p)^{28}Al$, 23:25855
KRASNOV, N. N. ^{48}V in nuclear reactions on cyclotron, 25:54677
^{51}Cr on cyclotron, 25:54691
Activation analysis with charged particles, 24:36185
Decreasing ion cluster repetition frequency in an FEI cyclotron, 25:43742
Determination of the ^{93}Mo half life from the yields of nuclear reactions, 21:44689
Determination of the wear of machine parts by charged-particle activation, 25:51921
Displacement of the center of the orbit in a cyclotron due to the variation in the voltage along the accelerating gap, 25:20170
Excitation functions for reactions $^{109}Ag(p,n)^{109}Cd$, $^{109}Ag(d,2n)^{109}Cd$, and $^{107}Ag(\alpha, 2n + pn)^{109}Cd$ and yield of radioisotope ^{109}Cd, 21:40434
Intensive high-energy neutron fluxes by bombardment of thick Li and Be targets with 22-MeV deuterons, 25:53619
Measurement of the amplitudes and phases of the radial oscillations in the cyclotron by means of two samplers, 22:39538
Methods for preparing ^{52}Mn isotope, 23:38008
Nitrogen-13, ^{11}C, and ^{18}F isotope yields under charged particle irradiation of C and O, 23:44845
Physical bases of activation analysis of charged particles, 23:45222 (FEI-128)
Production of ^{85}Sr on cyclotron, 23:45329
Radioactive decay of ^{117}Te, 22:46811
Radioisotope production in the I.Ph.P.E. cyclotron, 25:17645
Reaction of Li + ^4He, Li + ^2H, and Li + ^1H as cyclotron sources of fast neutrons, 22:20387
Rotating target for producing radioisotopes in a cyclotron, 24:15751
Short-circuiting device of the resonance line of a cyclotron dee circuit, 25:50213
Stationary targets for producing radioisotopes in cyclotrons, 24:15752
Vertical motion of particles in cyclotron, 25:31063
Yield of ^{22}Na produced in nuclear reaction in cyclotron, 21:21487

Yields of ^{11}C, ^{13}N, ^{18}F isotopes used for the detection of C, N, O, and neighboring light element impurities by activation analysis, 25:15556
Yields of ^{11}C, ^{13}N, and ^{18}F on irradiating nitrogen with protons, deuterons, ^{3}He ions, and alpha particles, 24:45757
Yields of ^{18}F on irradiating Na, Mg, and Al with ^{3}He ion and on irradiating Na with alpha particles, 24:43985
Yields of radioactive isotopes ^{22}Na, ^{54}Mn, ^{57}Co, and ^{181}W in nuclear reactions with protons, deuterons, and alpha particles, 21:44616
KRASNOV, Yu. K. Initial stage of avalanche development, 25:9731
Motion of vortexes in superconductors of the second kind, 25:27650
Nonlinear realization of chiral symmetry, 23:36968
KRASNOV, Yu. N. Electrochemical behavior of thorium in molten sodium chloride and an equimolar mixture of potassium chloride and sodium chloride, 25:6293 (IS-Trans-84)
KRASNOVA, I. A. EP404 and EP454 economical heat-resistant alloys, 23:8192
KRASNOVSKI, Sh. Method for measuring the dispersion of direction measurements in bubble chambers, 21:28260
KRASNOVSKII, A. A. Mechanism of photosensitized oxidations by tetrapyrrolic pigments and photodynamic action, 22:25794
KRASNOVSKY, S. Effective mass spectra of the $\gamma\gamma$, $\pi^0\gamma$, $\pi^0\gamma\gamma$, $\pi^0\pi^0$, π^0eta^0, $\pi^0\pi^0\gamma$, $\pi^0\pi^0\pi^0$ systems in mass value region M (γ.......γ) less than or equal to 1.3 GeV, 25:14560 (JINR-E1-5349)
M($\pi^0\pi^0$) effective mass spectrum, 23:42564
Neutral decay modes of the eta^0 particle, 25:17353 (JINR-E1-5256)
Neutral decays $\omega^0 \to$ etaγ and $\omega^0 \to \pi^0\pi^0\gamma$, 23:42563
KRASNOYAROV, N. V. Atomic research center at the birthplace of V. I. Lenin, 24:43821
Experience gained from operation of BR-5 reactor, 1964-5, 22:18571
Monitoring hermeticity of fuel elements of BR-5, 23:52410 (JPRS-48330, pp 553-90)
Physical problems in developing fast power reactors, 21:15711
Problem of selecting the parameters of a large fast reactor, 25:34385 (JPRS-53069, pp 156-65)
Problems arising in the selection of the parameters of a large fast reactor, 25:48239
Radiation resistance of shielding materials, 23:46541
Some aspects of the behavior of fuel, cladding, and structural materials, 24:41012 (TRG-Report-1911, pp 74-81)
Specific properties of operation of absorbing materials in fast reactors and requirements for them, 25:37140 (SRARI-P-96)
Use of concrete for shielding high-temperature reactors, 21:10134
KRASNUSHKIN, P. E. Determination of daytime electron concentration profile of C and D regions of ionosphere, 21:39916
Diurnal, seasonal, and 11-year variations of electron density profile in the lower ionosphere, 25:47421
Influence of solar wind on C layer of earth's ionosphere, 21:25009
Propagation of very long radio waves around the Earth, 21:46229
Solving general boundary value problem of propagation of radio waves around the earth, 21:23083
Violation of reciprocity principle in day-time propagation of superlong radio waves around the earth, 21:23084
KRASNYKH, I. G. Effect of cystamine and partial-body shielding on the functional state of the gastrointestinal tract of irradiated rats, 25:24348
Effect of cystamine in healthy and irradiated rats, 24:25503
Negative influence of radiation-protective preparations on the motor-evacuatory functioning of the gastrointestinal tract, 21:16374 (JPRS-38272, pp 296-7)
KRASOTKIN, A. F. Some results of regular measurements of the intensity of x-ray photons in the atmosphere, 24:45067
KRASOVEC, F. Extraction of some lanthanides with various phosphoric acid esters, 21:17731
Organic oxides as extractants for metal anions, 22:6413
Spectrophotometric determination of Re in presence of Mo and W, 23:40549
KRASOVITSKII, Boris Mordukhovich Scintillator liquid, 23:31526
KRASOVITSKII, V. B. Amplification of longitudinal waves in a nonlinear dielectric by a charged-particle bunch, 21:29017
Deceleration of relativistic particles in lower layers of the atmosphere, 21:15143
Energy gain of oscillator in field of standing wave near cyclotron resonance, 21:44479
Excitation and propagation of electromagnetic waves in a two-level system, 21:16942
Nonlinear focusing of electromagnetic waves in a tow-level system, 22:11438
Nonlinear radial self-focusing of a modulated electron beam in a plasma, 23:48911
Nonlinear theory of collective acceleration of ions by a relativistic electron beam, 24:49639
Nonlinear theory of modulated relativistic electron beam interactions with plasma, 25:38443
Nonlinear theory of plasma heating by hf fields in conditions of cyclotron resonance, 23:12748
Radial focusing of a ring beam of charged particles under the action of coherent magnetic bremsstrahlung radiation, 25:33920
Radial self-focusing of an electron—ion beam moving along a magnetic field, 25:7783
Radial self-focussing of an electron beam in a plasma under beam instability conditions, 23:27639
Resonance acceleration of oscillator beam in a plane-wave field, 24:45663
Solitary longitudinal pulse wave in a plasma, 21:31458
Solitary pulse of longitudinal wave in a plasma, 22:11437
Theory of linear acceleration of charged particles, 23:3864 (NP-17608)
Theory of nonlinear interaction of a modulated beam with plasma, 22:44177
Transformation of the energy accumulated in an active medium into the energy of a longitudinal wave in a plasma, 21:44095
Vavilov—Cherenkov radiation in medium with inverse level population, 23:51902
KRASOVSKAYA, T. A. Radiation-chemical investigation of liquid polyorganosiloxanes with a various content of aromatics in the main and side chains, 21:12464
KRASOVSKAYA, T. I. Complex formation of U(IV) sulfates with tributylphosphine oxide (TBPO), 25:37344
Compounds of uranium tetrachloride with tributlyphosphine oxide, 22:33323
KRASOVSKI, R. Scalar of 100 MHz for physical experiments, 25:44725 (JINR-P13-5793)
KRASOVSKII, A. I. Obtaining tungsten—rhenium precipitates from para-gas phase, 24:27764
KRASOVSKII, V. I. Aurora polaris, 21:37318
Aurorae and airglow, 22:47896 (N-68-24410)
Aurorae, 22:19887
Energy-release mechanisms in high-intensity polar auroral displays, 25:40459
Interatmospheric migration and dissipation of H and He, 24:21675
Upper atmosphere as a regular of geomagnetic storms, 23:51510
KRASOWSKI, R. Determination of some kinematic flow characteristics of water/sand stowing mixture by means of radiometric measuring methods, 25:23737 (INP-717)
KRASS, Allan S. Interference effects in photoproduction of rho^0 mesons, 21:37741
Nonrelativistic strong-coupling model with a recoiling source, 24:13033
Polarized photoproduction of ω^0 mesons, 22:15726
Radiative correction to pion photoproduction, 23:3666
Self-consistent strong-coupling model of nucleon. II, 25:7665
KRASSA, R. F. OGO 5 measurements of Lyman alpha sky background, 25:27414
KRASSE, R. J. Vacuum system for high-radiation environment at RPI Linac Laboratory, 23:5725 (RPI-328-141(Rev.))
Vacuum system for high-radiation environment at the RPI linac lab, 23:34696
KRASSELT, M. Blood supply to skin grafts as affected by detrimental and promoting factors, 25:24200
Effect of local anesthetics on tissue clearance of ^{131}I, 23:35627
KRASSER, W. Vibrational spectra and force constants of UF$_4$, 24:29275
KRASSNOYAROV, N. V. Certain properties of fuel behavior of can structural material in fast reactor conditions, 25:8896 (BNWL-tr-57)
KRASSOVSKII, V. I. Heating of the upper atmosphere during geomagnetic disturbances, 22:22017
Upper atmosphere as regulator of geomagnetic storms, substorms, and auroras, 23:27518
KRASSOVSKY, V. I. Discussion of interaction of neutral hydrogen and charged particles in radiation belts, 22:52625
KRAST, Kh. B. Gamma radiation effects on the aluminum surface properties, 21:45971
Investigations of Al cans of used nuclear reactor IRT-2000 fuel elements, 24:2040
Technique of corrosion and electrochemical investigations in the reactor under irradiation, 25:22126
KRASTINS, G. Ballmilling with gas collection in the radioactive materials laboratory, 21:41637 (KAPL-P-3368)
KRASULEVICH, L. A. Mutability of barley, 25:24112
Radiational mutant of barley, 25:21672
KRASZNAI, I. Diagnostic value of ^{131}I-labeled triiodothyronine red blood cell uptake test, 22:10812
Using low-energy gamma emitters in scintillation scan techniques, 24:7948
KRASZNAI, Istvan Radiation protection problems encountered in the medical application of radioisotopes, 23:50557
KRASZNOVSZKY, S. Importance of using exact forms for scattering amplitude in Regge pole theory, 25:36531
Minnaert's conditions on multipole parameters of spin density matrix for spin 2, 24:20143
Spin test for a fermion (J > 1/2) decaying into a spin-1/2 fermion, 25:14701 (KFKI-70-27-HEP)
Spin test for fermion (J > $^1/_2$) decaying, 25:14725
KRASZNOVSZKY, Sandor Analytical formulas for the range—energy relations in bubble chambers, 22:30865
Determination of spin parity by means of multipole moments, 25:43581
Helicity states of boson resonances decaying into two identical vector or pseudovector bosons, 23:36914
KRAT, T. V. Physical properties of solar spicules, 25:35719
KRAT, V. A. Are pulsars single stars, 24:23620
Magnetic fields in the solar chromosphere, 25:49641 (CSIRO-Trans-10552)
Magnetic knots in the solar photosphere, 24:3108
Model of the inhomogeneous chromosphere of the sun, 21:46100
Motion of penumbra filaments in sunspots, 25:902
Physical properties of solar spicules, 25:35719
Physics of the solar system, 21:11338 (NASA-TT-F-342)
Small-scale motions in photosphere and chromosphere, 24:17567
KRATEL, R. E. Application of plastic fibre HEPA filters, 23:29069
KRATENKO, Yu. P. Inelastic interactions of cosmic ray particles with lead nuclei, 22:2828
KRATIROV, I. A. Selecting the dimensions for the beam cross section in various electron-beam devices, 21:43829
KRATKA, M. Reactions of UO$_2^{2+}$ with phloroglucinol carboxylic acid, 23:19656
KRATOCHVIL, J. Combined effect of 6-Azauridine and irradiation in vivo and in vitro. VI, 25:29679
Deoxycytidinuria in persons occupationally exposed to chronic irradiation, 25:58145
Solubility of carbon dioxide in heavy water at pressures up to 40 atm, 25:18418
Stress distributions and anisotropy in hexagonal metals, 23:38995
KRATOCHVIL, Jiri Removal of radioactive dusts from surfaces, 22:51591
KRATOCHVIL, V. Sorption of cations from a complexing medium. VII, 24:44071
KRATOCHWILL, Franz-Josef Scintillation anisotropy of anthracene crystals bombarded by α-particles, 24:22999
KRATSIK, B. ^{89}Nb decay, 25:50674
Beta-spectrograph of Institute of Nuclear Research of Czechoslovakian Academy of Sciences, 22:47367
Decay of ^{85}Y (5 hr), ^{85}Y (2.68 hr), and ^{85}Sr, 25:56722
Decay of ^{86}Zr and ^{87}Zr, 25:56723
Decay of ^{88}Nb, 25:56791
Decay scheme of ^{84}Y, 24:18395
Decay scheme of ^{86}Y, 25:31247
Investigation of ^{131}Ba decay, 22:35359
New isotope ^{92}Ru, 25:25715 (JINR-P6-5594)
KRATSKOI, G. D. Excitation of hybrid oscillations of a relativistic electron beam in an iris-loaded waveguide, 24:38041
KRATZ, J. V. Delayed neutron precursors in fission of ^{235}U, 24:30797
KRATZ, J.-V. Half-lives of ^{87}Se and ^{88}Se, 25:20327
Rapid volatilization of As, Se, Sb, and Te, 23:38030
KRATZ, K. L. Delayed neutron precursors in fission of ^{235}U, 24:30797
Some studies on neutron-rich nuclei, 25:28326 (CERN-70-30(Vol.2), pp 985-1000)
KRATZER, F. H. Absortpion of barium sulfate and chromic oxide from the chicken gastrointestinal tract, 22:43271
KRATZER, K. Determination of traces of arsenic by isotope exchange, 24:31237
Determination of traces of thallium by an isotope exchange reaction in the organic phase, 25:20926
Radiochemical determination of traces of Sb, 25:2106
KRATZER, Myron B. Basic principles of U. S. fuel supply policy, 23:19582 (ORO-665, pp 9-29)
New era for international safeguards, 25:4269
Role of international cooperation in promoting the development of the peaceful uses of nuclear energy, 25:39212 (A/CONF.49/P-102)
Safeguards, international cooperation, and trade, 24:18575
KRATZER, W. K. Alternate procedures for extended layup of N Reactor, 25:46178 (DUN-7541)
Chemical decontamination of large nuclear steam generators, 22:24952 (DUN-SA-62)
Decontamination of N reactor carbon steel piping, 24:17216
Development of a waste disposal method for N reactor's decontamination wastes, 25:2426
Examination of an Inconel-600 tube from N Reactor steam generator 6A, 25:29760 (DUN-SA-149)
Performance of Inconel-600 tubing in N reactor steam generators, 23:36096
Waste disposal method for N Reactor's decontamination wastes, 24:9619 (DUN-SA-125)
KRAUCH, C. H. Electron and γ-ray induced addition of acetonitrile to olefins, 21:19658
Photodynamic furocumarine reaction mechanism, 21:45550
KRAUCH, Carl Heinrich Photochemical and -biological reactions of the furocoumarins, 22:25798
Photochemical reactions of photodynamically active furocoumarins, 22:47454
Radiochemical formation and photolysis of α-keto-oxetane derivatives of vinylene carbonate, 22:14531
KRAUS, G. Analysis of 1660 MeV 3π-resonance "A$_3$" in 8 GeV/c π^+p interactions, 23:3655
g-meson, 25:59298
K$^-$p elastic scattering at 10 GeV/c, 25:40890
L-meson decay modes other than K*(1420)π, 24:51964
Quantum number assignment for A$_2^0$ meson, 21:37719
Resonance production in 8 GeV/c π^+ interactions in hydrogen, 22:24552
Single pion production in π^+p interactions at 8 and 16 GeV/c, 25:30891
Six-prong π^-p interactions, 23:13040
KRAUS, H. Comparison of measured and calculated stresses in pressure vessels, 21:34421
Design of heated cylindrical pressure vessels in transient creep, 24:5775
Method for measuring the time-dependence of temperature in superconducting films, 24:15261
KRAUS, H.-J. Irradiation projects at multi-purpose research reactor (MZFR), 23:5997
Role of the GfK experimental plants in the fast breeder project, 21:30187
KRAUS, Hans J. Nuclear reactors shutdown, 24:9165
KRAUS, I. X-ray measurements of macrostresses in sintered carbides of system WC—Co, 21:18325
X-ray study of stresses in sintered WC—Co systems, 21:41665
KRAUS, J. ^{3}He—^{4}He dilution refrigerator using novel types of heat exchangers, 25:45435
Lamb shift and testing of quantum electrodynamics, 23:36987
KRAUS, J. D. High-sensitivity 1415-MHz survey between declinations of 0° and 20° North, 23:51241
Observations of high-velocity hydrogen clouds at 21 cm, 24:35066

Ohio source counts: comments by Harris and Kraus, 25:32965
Ohio survey between declinations of 0° and 36° south, 24:30089
Optical identifications of Ohio radio sources with peculiar spectra, 22:52465
Radio sources with flat spectra, 24:12557
Radio sources with peaked spectra, 22:29125
Spectra of OQ208 and other centimeter wavelength radio sources, 22:5006
Spectral data on some Ohio radio sources, 24:12556
KRAUS, John D. Identification of radio sources from Ohio survey, 25:58558
Ohio radio sources in clusters of galaxies, 25:30120
Ohio survey Supplement 1, 25:24755
Radio and optical observations of the source OZ-252, 25:22298
Radio source counts from Ohio survey, 24:44961
KRAUS, K. Algebraic spectrum condition, 24:26459
Definition of renormalized mass in classical gravidynamics, 22:22455
Formal description of measurements in local quantum field theory, 24:26486
Further remark on uncertainty relations, 21:21106
General state changes in quantum theory, 25:47963
Operations and measurements. II, 24:26491
Poincare group extensions and internal symmetry transformations, 22:1467
Proof of the fermion superselection rule, 23:15165
Pure operations and measurements, 23:25688
Quantum theory of gravitation and locality postulate, 22:53024
Remarks on a class of almost trivial solutions of the gravitational field equation, 23:7178
Sign change of spinors under 2π rotations, 22:37068
KRAUS, K. A. Abstracts of papers, water and desalination information meeting, May 12—13, 1969, 23:23992 (ORNL-TM-2550)
Conference on water and desalination, abstracts of papers, ORNL, 5/68, 22:27630 (ORNL-TM-2203)
Desalination research at Oak Ridge, 24:5579 (TID-25267)
Preliminary economic analysis of cross-flow filtration, 25:54372 (ORNL-4729)
KRAUS, Karl Algebras of observables with continuous representations of symmetry groups, 22:35095
KRAUS, Kurt A. Hyperfiltration with dynamically-formed membranes, 21:24068 (ORNL-P-2961)
KRAUS, L. Analysis of p—^{4}He polarization for E/sub p/ = 1 to 12 MeV, 25:53578
Elastic scattering ^{4}He(d,d)^{4}He in S matrix formalism, 24:3843
Elastic scattering ^{4}He(t,t)^{4}He, 25:17704
First excited levels of ^{6}Li, 23:37124
Study of the P/sub $^{3}/_{2}$/ and P/sub $^{1}/_{2}$/ states of ^{5}Li, 25:17705
Study of the reaction ^{3}H(^{3}He,γ)^{6}Li at E/sub ^{3}He/ less than or equal to 5.5 MeV, 22:20440
KRAUS, Marjorie P. Resistance of blue—green algae to ^{60}Co gamma radiation, 24:12331
KRAUS, Pierre Calculation of the floating potential in a plasma containing negative ions, 21:9582
Energy conversion process starting with ionized vapor from fission products, 22:19826
KRAUS, S. Determination of dysprosium in borate glasses, 24:41185
KRAUS, T. Determination of O, N, and H in high-melting metals, 24:4211
KRAUS, V. Course of phase transformation and grain refinement in low percentage alloys of uranium with iron, aluminum, and silicon, 25:49454 (UJV-2526-M)
Influence of initial content of the cooling rate from the beta phase to preferred uranium orientation following heat treatment, 25:29884 (UJV-2525-M)
KRAUS, Vladimir Diffusion annealing of zirconium with its alloys, 22:21704
KRAUS, W. Combination photographic film and glass dosimeter, 21:26254
Effect of latent image instability on quantitative radioautography, 24:41677
Microscope photometer for measurements to microautoradiographs, 21:26308
Oblique-stage microscope for visual track counting in medicine, 25:44588
Occupational exposure to radiation in GDR, 21:28492
Quantitative alpha-autoradiography: a documentation, 25:8584 (SZS-15/70)
Radiation doses in lung due to inhaled compounds containing ^{147}Pm, 23:11991 (SZS-11/68, pp 31-42)
Radiocerium incorporation in rats and inhalation of luminous paints containing ^{147}Pm, 23:11987 (SZS-11/68)
KRAUSE, Arthur J. Enhanced radiation resistance of concentrator solar cell panels, 21:11476
KRAUSE, C. E. Electron backscatter for corrosion detection, 22:38127
KRAUSE, Charles E. Helicopter close-order formation keeping system, 21:1521 (COO-1471-7)
KRAUSE, D. Sunlight-induced dimers in human cells in vitro, 25:16044
KRAUSE, Daniel Jr. Polarization of light from collision of a proton beam with helium atoms, 22:50026
KRAUSE, Douglas P. Method of measuring oil consumption in an engine, 23:50047
KRAUSE, E. Numerical solution of Navier—Stokes equations to calculate incompressible centrifuge flows, 25:34790 (CONF-700557-4)
Slip flow in one-dimensional gas centrifuges, 25:37533 (CONF-700557-2)
KRAUSE, Egon Finite difference equations for calculating three-dimensional boundary layers, 25:2040 (SC-T-70-4038)
KRAUSE, F. Dynamo theory of stellar and planetary magnetic fields. I, 24:19657
Explanation of stellar and planetary magnetic fields by a turbulence-caused dynamo mechanism, 21:662
Origin of magnetic fields of stars and planets as a result of their material turbulent motion, 22:8929
KRAUSE, F. R. Crossed-beam correlation technique, 21:33242
KRAUSE, G. Activation analysis of ^{157}Gd for measuring rate of ingesta passage in ruminants, 25:37333
Inactivation of yeast alcohol dehydrogenase by ultraviolet light, 22:43255
Prog. rpt. on crack initiation in metallic materials, 6/1/65—11/30/65, 21:6803 (N-66-32184)
KRAUSE, G. F. Indices of chemical composition in live ovines and their carcasses, 23:22208
KRAUSE, Gerhard Clusters of aberrant scales after x irradiation of the wing anlagen in female diapause and nondiapause caterpillars of Ploida (lepidoptera), 22:51531
X-ray-influenced radula-replacement in the naked snail Limax flavus L, 24:27669
KRAUSE, H. Decontamination of equipment and facilities at the Karlsruhe Nuclear Research Centre, 21:43432
Disposal of radioactive wastes, 23:33368
Effect of beta radiations on fungus and culture medium, 23:38888
Experimental storage of radioactive wastes in ASSE II salt mine, 22:16820
Experiments on a toroidal screw pinch with various field programming, 25:38458 (CONF-710607-17)
Fixing of radioactive residues in bitumen, 24:11754 (KFK-1037)
German situation in the field of solidification and final storage of high-level radioactive wastes, 21:10570 (CONF-660208-, pp 85-9)
Management of radioactive wastes in the Federal Republic of Germany, 25:21347
Nuclear emergency assistance team, 24:7884
Nuclear quadrupole moments of ^{185}Re and ^{187}Re, 23:40038
Production of thin solid-hydrogen foils for use as targets in high vacuum, 23:16827
Prog. rpt. of Department of Decontamination Management, annual, 1968, 24:41641 (KFK-1030)
Prog. rpt. on burial of radioactive wastes, annual, 1966, 22:25629 (KFK-663)
Prog. rpt. on decontamination operations, annual, 1969, 25:37460 (KFK-1346)
Prog. rpt. on decontamination, 2/70, 24:48529 (ORNL-tr-2361)
Prog. rpt. on deep storage of radioactive waste, annual, 1965, 21:12614 (KFK-481)
Prog. rpt. on department of radiation protection and decontamination, annual, 1967, 23:43504 (KFK-888)
Project for storing radioactive wastes in a salt cavity, 22:16817
Site study for storage of radioactive wastes in European community, 22:51201 (ORNL-tr-1973)
Siting of radioactive waste storage facilities within European Community, 22:25628 (EUR-3664)
Small solid hydrogen pellets made for plasma production by laser, 24:49177 (IPP-4/3)
Start-up experience with Karlsruhe reprocessing development objectives, 25:51553 (A/CONF.49/P-381)
Storage of radioactive wastes, 24:41414
Time shaping of beam pulses from the Hamburg isochronous cyclotron by different central diaphragms, 25:43760
Treatment and final disposal of radioactive waste, 25:57540
Treatment of radioactive wastes in the Nuclear Research Center, Karlsruhe, 25:21124
KRAUSE, H. D. Determination of various nuclear reactor parameters, 24:24919
KRAUSE, H. F. Results on the reaction D + H_2 → HD + H using modulated crossed beams, 24:28107
KRAUSE, Helmut Decontamination of radioactive effluents at Kernforschungszentrum Karlsruhe, 22:27887
Treatment and disposal of radioactive wastes, 24:31671
Treatment of solid radioactive waste at Nuclear Research Center Karlsruhe, 24:36368
KRAUSE, Herbert Francis Scattering of deuterium atoms by H, 25:58778
KRAUSE, J. Formulation of special relativity by means of Galilean transformations, 24:5340
KRAUSE, L. Effect of imprisonment of radiation in sodium vapor on the measured lifetime of the 3 ^{2}P states, 21:11446
Inelastic collisions between excited alkali atoms and molecules. II, 21:33153
Inelastic collisions between excited alkali atoms and molecules. III, 22:13242
Inelastic collisions between excited alkali atoms and molecules. IV, 22:36728
Inelastic collisions between excited alkali atoms and molecules. VII, 25:6319
Isotope effect on 6^{2}P/sub $^{1}/_{2}$/—6^{2}P/sub $^{3}/_{2}$ mixing in Cs, 23:14639
Mixing (m/sub j/) in oriented 4^{2}P/sub $^{1}/_{2}$/ K atoms, induced by collisions with inert gases, 22:9048
Sensitized fluorescence in vapors of alkali metals. IX, 22:993
KRAUSE, M. O. Atomic and molecular cross sections, 21:13348 (ORNL-4063, pp 71-87)
Atomic and molecular cross sections, 22:31597 (ORNL-4238, pp 105-15)
Energies of Mzeta X rays of Y to Mo, 25:40368
Multiple excitation of neon by photon and electron impact, 24:15163
KRAUSE, Manfred O. Double electron ejection in the photoabsorption process, 22:31651
Electron energy levels in free atoms from Z = 1 to Z = 60, 24:23740 (ORNL-TM-2943)
Electron shake-off in Ne and Ar as function of energy of impact electron, 24:26009
Electron spectrometry of double-electron ejection from rare gas atoms in the photoabsorption process, 21:37099 (ORNL-P-3204)
High energy lines in K-LL Auger spectrum of N_2, 24:33713
K—LL Auger spectra of N_2, O_2; CO, NO, H_2O, and CO_2, 25:58736
Measurement of the electron energy spectrum resulting from a double Auger process in Ar, 21:2025
Relative abundances of ions formed as the result of inner-shell vacancies in atoms, 21:2037
Vacancy cascade in the reorganization of krypton ionized in an inner shell, 21:33198
KRAUSE, Margarida O. Tritiated thymidine effects on DNA, RNA, and protein synthetic rates in synchronized L-cells, 22:19274
KRAUSE, P. W. Synthesis and fabrication of nuclear fuel pellets from U—Pu alloy, 24:17252
KRAUSE, S. Investigation of an MPD plasma jet by gasdynamic experimental methods, 23:27614
Measurements with gasdynamic probes in supersonic plasma jet, 21:25115 (NP-16718)
KRAUSE, W. Irradiated mushrooms, 24:48775
KRAUSE, Walter J. Determination of U with potential-controlled coulometric titrator, 22:10171 (CNEA-192)
KRAUSEN, Th. Operation of nuclear power plant with a gas turbine, 23:28542
KRAUSHAAR, J. J. Analysis of proton scattering from ^{92}Zr and ^{94}Zr at 19.4 MeV, 21:2715
Differential cross sections and phase shifts for ^{3}He + ^{4}He elastic scattering, 24:1737
Distorted-wave Born-approximation analysis of (p,t) transitions in Ti isotopes, 24:52543
Effective two-body force using ^{54}Fe(^{3}He,t) charge exchange reaction, 23:39975 (COO-535-593)
Effective two-body force using the ^{54}Fe(^{3}He,t) charge exchange reaction, 23:39994
Elastic scattering of ^{3}He ions at intermediate energies, 21:23475
Excited states of ^{46}V, 25:20347
Inelastic proton scattering from ^{42}Ca and ^{44}Ca and analysis in terms of shell-model form factors, 22:46742
Inelastic proton scattering from ^{91}Zr at 18.7 MeV, 23:23681
Inelastic scattering of ^{3}He ions at intermediate energies, 21:23474
Isobaric analog ground states for several nuclei using the (^{3}He,t) reaction, 25:23009
New 0^+ states in ^{50}Cr, 25:43849
Nuclear reaction measurements on silicon detectors, 25:6549
Nuclear structure studies of ^{88}Sr and ^{89}Y using 19-MeV proton scattering and the ^{88}Sr(^{3}He,d) reaction, 21:31756
Polarization of ^{3}He elastically scattered by ^{12}C and the ^{3}He spin-orbit optical potential, 22:39596
Quantitative explanation and precise measurement of the pulse height shift associated with nuclear reaction peaks in solid state detectors, 21:36390
Reaction ^{90}Zr(^{3}He,t), 24:10990
Reactions ^{94}Zr(p,p') and ^{94}Zr(p,d) at 19.4 MeV, 22:1679
Spectroscopy of states in ^{91}Zr from γ-ray transitions observed in ^{88}Sr(α,nγ)^{91}Zr reaction, 25:36757
KRAUSHAAR, Robert, J. Cryogenic fuel gauging apparatus utilizing neutron absorption techniques, 24:504
KRAUSHAAR, W. L. Instrumental aspects of gamma-ray astronomy, 23:51261
Low-energy diffuse x rays, 25:40322
Observation of high-energy cosmic gamma rays, 22:50060
Review of observational results on gamma ray background, 24:5013 (N-69-35721)
Search for absorption of soft x-ray diffuse flux by the Small Magellanic Cloud, 25:47318
Soft x-ray background flux, 23:51329
KRAUSOVA, Marie Application of intensiostatic polarization for remote measurement of instantaneous corrosion rate of Zr—Nb 2.5 alloy in aqueous solutions of mixtures of HF + HNO_3 + H_2SO_4, 23:12272 (WAPD-Trans-105)
Electrochemical polarization in remote measurement of corrosion rate of Zr—Nb 2.5 percent in aqueous solutions of Hf + HNO_3 + H_2SO_4 acids, 22:21665
KRAUSS, A. Fertility retained after irradiation for rectal cancer, 23:26948
Retained fertility following radiotherapy for rectal carcinoma, 23:16428
KRAUSS, G. Structure and properties of sputtered Ta—Al_2O_3 cermet thin films, 24:8112
KRAUSS, George Prog. rpt. on strength and structure in cyclically transformed Fe—Ni—C alloys, annual, 6/69—70, 24:24954 (NYO-3992-2)
KRAUSS, J. Polarization in elastic nucleon—deuteron scattering, 24:21992
Polarization in elastic nucleon—deuteron scattering, 24:52411
Unitary representation of multichannel amplitudes, 22:48376
KRAUSS, Jeffrey Allan Spin-dependent three-particle scattering, 25:14740
KRAUSS, M. Bound-state calculation of scattering resonance energies, 24:35185
Mechanism for production of fourth positive band system of CO by electron impact on CO_2, 25:40335
Molecular-orbital calculation of shape resonance in N_2^-, 24:28097
Rydberg state of H_2O, 23:44184
KRAUSS, M. Thomas Suppression of thyroidal iodine uptake after indocyanine green, 24:25380
KRAUSS, Marc Conference on extraction and processing of optical images in the medical and biological sciences, New York, 6/67, 23:34969
Conference on high-energy radiation therapy dosimetry, New York, 6/67, 23:50491
Conference on polymer science: current concepts and civic applications, New York, 5/67, 23:28898
KRAUSS, Morris Born inelastic differential cross sections in H_2, 22:5053
Inapplicability of Born exchange scattering amplitude for He ($1^{1}S$ → $2^{3}S$) transition, 22:43880

KRAUSS, O. Determination of thorotrast in tissue samples by neutron activation analysis, 22:18711
  Functional studies with short-lived reactor isotopes, 25:10943
  Imaging properties of the positron camera, 25:378
  Investigations of distribution of radioisotopes, 25:6724
  Operating experience and results obtained with TRIGA research reactor, 25:60173
  Placentography with short-lived radionuclides. I, 23:38690
  Placentography with short-lived radionuclides. II, 23:38691
  Scintigraphy of bone with ^{85}Sr, 21:20295
KRAUSS, R. Production of Λ^0 and Σ^0 hyperons by pions of beam momenta 1.12 to 1.32 GeV/c, 23:46618
  Production of Ω^- hyperons in K^-p interactions at 5.5 BeV/c, 21:17041 (COO-1195-79)
KRAUSS, Stephen Leukemia in patients with polycythemia vera treated with radioisotopes, 24:51078 (CONF-691212-, pp 441-52)
KRAUSSE, G. W. Possibilities of influencing of radiosensitivity and mutability of barley. II, 22:33794
  Possibilities of influencing radiosensitivity and mutability in barley. III, 23:809
KRAUSSE, Guenter W. Radiosensitivity and mutability of barley, 23:38546
KRAUSZ, A. S. Rate theory of dislocation mobility, 22:36506
KRAUTBLATTER, H. Varying x radiation sensitivity of the genomes of Oenothera berteriana, 21:39383
KRAUTH, A. Change of crystallite size and lattice strain of small crystallites under high pressure, 23:51129
  Changes in the properties of powders during the pressing of hard materials, 23:20548
  Problems of protective gas technology, 25:34860
  Sintering kinetics and powder properties of MgO and UO_2, 22:11082
  Sintering kinetics and powder properties of MgO and UO_2, 23:18277 (LIB/Trans-185)
KRAUTH, H. Photonuclear reactions in ^{40}Ca and ^{16}O leading to excited states of the residual nuclei, 23:13215
KRAUTKRAEMER, J. Properties of ultrasonic control systems, their definition and measurement, 25:6485
KRAUTKRAMER, J. Properties of ultrasonic control systems, 23:31504
KRAUTWEDEL, H. L. Performance of pyrolytic-carbon-coated sol—gel UO_2 microspheres in high-burnup irradiation tests, 21:36945
  Review of remote optical metallography, 24:2872
  Testing of a design analysis for coated-particle fuels, 21:8146
  X-ray counter diffractometer for crystal structure investigations on neutron irradiated materials, 22:19200
  X-ray inspection of neutron irradiated fuel elements with a betatron, 22:51194
KRAUTZ, Erich Investigations on the residual resistivity of tungsten with varying carbon content, 22:19541
KRAUZ, L. S. Determining impurities in high-purity niobium, 22:1981
KRAUZE, F. Experimental observation of electromotive force alongside of an external magnetic field induced by flow of liquid metal (α effect), 22:41422
KRAUZE, Stanislas ESR study of the radicals produced by irradiation in some saturated and unsaturated mono and dicarboxylic acids, 24:41379
KRAUZE, Stanislaw Free radicals in irradiated fatty acids, 23:11533
KRAVARIK, J. Some results of experiments on discharges in shock tubes with parallel conductors, 21:42106
KRAVCHENKO, A. A. Hot pressing of W. I, 24:32352
  Investigation into the mechanical characteristic of hot-pressed tungsten—copper pseudoalloys, 25:47128
  Reaction of tungsten with die material in hot pressing, 25:32697
  Study of mechanical characteristics of hot pressed tungsten—copper pseudo-alloys, 25:32715
KRAVCHENKO, A. I. Some peculiarities of cesium levels at decay of discharge cesium plasma, 24:21782
KRAVCHENKO, A. T. Tungsten base metal—ceramic alloy, 25:35476
KRAVCHENKO, L. I. Thermodynamic properties of laves phase $TaFe_2$, 25:55508
KRAVCHENKO, L. Kh. Phase diagram of lanthanum—selenium system, 24:10086
KRAVCHENKO, N. A. EPR spectra of γ-irradiated lysozyme chloride monocrystal, 25:15670
  EPR spectra of γ-irradiated lysozyme chloride monocrystal, 25:23611 (JPRS-52467, pp 6-11)
KRAVCHENKO, N. G. Energy dependence of characteristic resolution of NaI(Tl) crystals, 22:38074
KRAVCHENKO, S. K. Heat transfer between an electric arc column and a wall of discharge chamber in a vortex linear plasma generator, 23:3518
  Plasma generator with bilateral outflow and electrodes of variable diameter, 22:52738
KRAVCHENKO, S. M. Determination of U, Th, and K in Cenozoic basalts, andesites, and dacites, 25:20935
  F-radiographic study of spatial distribution of U in basalts, alkalino-trachitic ignimbrites, and syenites, 25:21167
KRAVCHENKO, V. F. Improving the quality of martensitic steel by treating it with rare earth metal alloys, 21:11234
KRAVCHENKO, V. P. Isotopic composition of fission products in primary circuit gas of BR-5 reactor with UC fuel assembly, 23:43149
  Monitoring hermeticity of fuel elements of BR-5, 23:52410 (JPRS-48330, pp 553-90)
KRAVCHENKO, V. S. Effect of neutron irradiation during doses on annealing of W single crystals, 25:32762
  Radiation annealing of deformed molybdenum single crystals, 22:28848
  Studies of substructure of neutron-irradiated and annealed tungsten and molybdenum, 23:48981
KRAVCHIN, B. U. Divertor of the Sirius stellarator, 22:13430 (MATT-Trans-46)
KRAVCHIN, B. V. Plasma acceleration in a conical induction source, 24:35481
KRAVCHUK, L. V. Heat resistance of brittle powdered-metal materials, 22:2702
KRAVCHUK, Yu. N. Neutron method for measuring humidity of casting mixtures, 23:45564
KRAVETS, A. N. F-center destruction mechanism in proton tracks in alkali halide crystals, 25:30655
  Radiational accumulation of F and M centers using statistical method, 21:25180
KRAVETSKII, G. A. Metallographic investigation of zirconium fused on graphite, 22:43558
KRAVINSKII, Yu. G. Effect of transverse magnetic field on volt—ampere characteristics of thermionic converter, 24:49055
KRAVITZ, Bernard L. Radiation-hardened integrated circuits, 24:21047
KRAVTCHENKO, T. G. Thermal resistance of Mo dispersions containing oxides of Zr, Ti, Hf, V, Yb, and La, 24:2926
KRAVTSOV, A. V. Investigation of the reaction $\pi^-p \rightarrow \pi^-p\gamma$ at 340 MeV, 23:13018
  Partial-wave analysis of $\pi N \rightarrow \pi\pi N$ reaction in 290 to 480 MeV energy region in terms of model by Olsson and Yodh, 24:24384
  Partial-wave analysis of reaction $\pi N \rightarrow \pi\pi N$ in the 330 to 480 MeV energy region, 25:14728
  Reactions $\pi^-p \rightarrow \pi^-\pi^+n$ and $\pi^-p \rightarrow \pi^-\pi^0p$ at 339 MeV, 24:51973
KRAVTSOV, V. A. Influence of nuclear structure on binding energy, 21:10105
KRAVTSOV, V. V. Choice of conditions for the neutron-activation determination of manganese in a two-component mixture, 23:6086
KRAVTSOV, Yu. A. Correlation theory of radio-wave scattering in the polar ionosphere, 24:10425
  Determining local electron concentration by dispersion method using satellites and new ionization maxima in ionosphere, 21:24988
  Dielectric permeability tensor of smoothly inhomogeneous electron plasma, 25:14291
  Electron concentration in ionosphere study by means of radiosignals emitted by cosmic satellites, 22:44011
  Status of theory of wave propagation in randomly inhomogeneous media, 25:17349
  Use of geometrical optics approximation in electrodynamics of inhomogeneous anisotropic media, 23:20924
KRAVTSOVA, R. I. Electrodeposition of Zn—Cd alloy, 23:29990
KRAWCZONEK, Walter M. Paired comparison tests of the relative signal detected by capacitive and floating Langmuir probes in turbulent plasma from 0.2 to 10 MHz, 25:33222
KRAWCZYK, Walter S. Sunburn effect on keratinosomes, 24:27705
KRAWCZYK-OBOJSKA, I. Separation of U and rare earth metals on sulphonic cation exchanger KU-2, 22:42835
KRAWCZYK-OBOJSKA, Irena Separation of U and rare earth elements on cation exchanger KU-2. I, 21:19742
  Separation of uranium and rare-earth elements on sulfonic KU-2. III, 25:15729 (UCRL-Trans-10509)
  Separation of uranium from rare earths on sulfonic cation exchanger KU-2. II, 21:32255
  Separation of uranium from rare earth elements on sulfonic cation exchange resin KU-2. III, 22:47215
KRAWCZYNSKI, J. Effect of gamma radiation on plasma alkaline phosphatase activity, 22:40562
KRAWCZYNSKI, Stefan Combustion and evaporation of radioactive residues, 23:50099
  Process for the purification of nuclear fuels, 21:43044
KRAWCZYNSKI, Stefan J. B. Radioactive wastes. Treatment, storage, and disposal, 22:23122
KRAWEC, Roman Effect of an aperture on measurement of the axial distribution function in a magnetically confined plasma, 24:51659 (N-70-24369)
  Enhancement of ion cyclotron waves in hydrogen—helium mixtures, 22:50148 (N-68-18485)
  General operating characteristics of a back streaming direct-current plasma generator, 23:1483 (N-68-25877)
  Radial density and temperature profiles at the ion cyclotron wave resonance point, 21:7201
  Steady-state composition of a low-density nonequilibrium hydrogen plasma, 21:739 (NASA-TN-D-3457)
KRAWIEC, Donald M. Nuclear reactor fuel assembly, 24:353
KRAWIELITZKI, K. Method for simultaneous determination of ^{90}Sr—^{45}Ca, 22:8012
  Shift of the radioactive equilibrium between ^{90}Sr—^{90}Y in the organism of rats after oral administration, 22:25772
KRAYBILL, H. Resonance production in 7 GeV/c π^+p interactions, 21:37716
  Study of resonance production in 7 GeV/c π^+p interactions, 21:23310 (UR-875-153)
KRAYBILL, H. F. Toxicological safety of irradiated foods, 21:34844
  Toxicological safety of irradiated foods, 22:49676
KRAYBILL, H. L. Multipion resonances at 1630 and 1720 MeV in high-energy π^+p collisions, 22:44329 (UR-875-248)
  Observation of multipion resonances at 1630 and 1720 MeV in high-energy π^+p collision, 22:22323
  Pion production and elastic scattering in antiproton—proton collisions at 6.94 GeV/c, 22:50291
KRCEVINAC, S. B. New method for the exact measurement of thermal neutron distribution in an elementary cell, 21:32024
KREBBER, K. Glycogen synthesis from labeled precursors in livers of irradiated mice, 24:34095
KREBES, E. S. Conjugate variables in two-body collisions, 25:43724
KREBS, A. T. Preliminary studies on the luminescence efficiency of biological compounds, 25:365 (AD-806313)
  Test measurements on scintillation Geiger—Mueller counters, 25:2432 (AD-706587)
  Tetrazoles as indicators of radiation damage, 25:494 (AD-806412)
KREBS, Adolph T. Bubble chamber pictures as a means of demonstrating radiation distribution in biological systems, 25:18995
  Late histopathological changes in kidneys of grid-irradiated mice, 21:10965
KREBS, B. Reactions of TcO_4 and ReO_4 with hydrogen sulfide, preparation of tetrathiperrhenate ions in solution, 22:2083
  Spectroscopic investigations on compounds with a CS/sup I/S_2/sup II/ grouping. XII, 21:17632
  Technetium(VII) oxide, 23:33198
  Theoretical treatment of vibration spectrum of $ClReO_3$, 24:33564 (ANL-Trans-831)
KREBS, Bernt Crystal structure of Re_2O_7, 23:20554
  Oscillation-spectroscopical investigations on solid inorganic compounds. XVI, 21:3042
KREBS, E. Fallout from the Chinese nuclear explosion on September 29, 1969, 25:280
KREBS, George Nicholas Jr. Strange particle production in π^+p interactions at 8.5 GeV/c, 25:22702
KREBS, H. Origin of superconductivity, 22:36878
  Origin of superconductivity. II, 23:42218
KREBS, J. Method of shape analysis of cross-sections of fissile nuclei, 25:15132
KREBS, J. S. Liver function and regeneration in rats x irradiated at birth, 21:18121 (USNRDL-TR-67-19)
  Recovery in the mouse after neutron-irradiation: evaluation of injury and recovery using split-dose lethality and repropulation of colony-forming units, 25:6773 (CONF-691106-, pp 435-50)
  Response of erythropoietic stem cells of mice to irradiation with fission neutrons, 21:8909 (AD-640316)
  Response of mammalian skin to irradiation with particles of reactor debris, 22:36249 (AD-661489)
KREBS, Jean-Pierre Magnetic study of a few antiferromagnets in very-strong pulsed fields (450 kOE), 23:10700 (CEA-R-3495)
KREBS, John S. Analysis of the radiation-induced loss of testes weight in terms of stem cell survival, 23:31818 (AD-677924)
  Effect of exposure rate on the gastrointestinal LD_{50} of mice exposed to ^{60}Co gamma rays of 250 kVp x-rays, 24:32207
  Radiobiology of large animals, 25:49281 (AD-716615)
  Response of erythropoietic stem cells of mice to irradiation with fission neutrons, 22:577
KREBS, K. DOCHAP: FORTRAN IV program for correction and calibration of neutron inelastic scattering data, 25:23837 (EUR-4599)
  Double-chopper neutron spectrometer at Ispra, 24:9682
  Inelastic neutron scatteing and lattice dynamics of metals in quasi-ion approximation, 24:3824 (EUR-3621(Pt.2))
  Inelastic neutron scattering and lattice dynamics of metals in quasi-ion approximation, 21:46396 (EUR-3621.e(Pt.1))
  Magnetization curves of Fe—Ni single crystals ordered by neutron irradiation, 22:15585
  Nuclear quadrupole moments of ^{185}Re and ^{187}Re, 23:40038
  Total neutron cross-section measurements in 10 μeV range, 22:53190
KREBS, K. H. Mass-spectrometric identification of tinorgano radiolytic products, 21:10398
KREBS, Karl Heinz Electron ejection from solids by atomic particles with kinetic energy, 23:1177
KREBS, Karlheinz Apparatus for neutron selection by means of rotating switch rotor, 23:16140
  Neutron collimator with a variable passage cross section, 24:20611
  Neutron collimator with variable passage cross-section, 22:25201
  Neutron selection by means of a rotating switch rotor, 23:741
KREBS, L. Stability of control tracks with rigid feedback using example of steam-cooled reactor, 23:4181 (EURFNR-495)
  Stability of rigid feedback control systems without compensation in steam cooled reactor, 22:39780 (KFK-656)
KREBS, W. D. Decay of the 395 μsec isomer of ^{156}Tb and the 2.53 msec isomer of ^{208}Bi, 21:25542
KREBS, W.-D. Analogy between radiative pion absorption and muon capture in ^{12}C, 25:12395
  Charge exchange of 70 MeV π^- on C, Al, Cu, and Pb, 25:12446
  Excitation of the isospin triplet ^{12}B, ^{12}C*(15.11 MeV), ^{12}N by pion charge exchange, 25:12397
KRECHETOVA, A. D Nucleic acids in x-irradiated rats treated with sodium gallate, 24:50713
KRECKER, U. Binding energy of the /sub Λ/^{13}C hypernucleus, 23:44592
  Binding energy values of the Λ^7Be, Λ^{10}B, and Λ^{11}B hypernuclei, 23:42574
  Determination of the binding-energy values of light hypernuclei, 22:24526
  Lifetime of /sub Λ/^{3}H hypernucleus, 24:49311
  Lifetime of the /sub Λ/^{3}H hypernucleus, 24:15465
  Lifetime of the A-He^5 hypernucleus, 25:3259
  Particle-unstable states of /sub Λ/^{13}C and /sub Λ/^{14}N hypernuclei, 25:7555
  Pi$^-$ mesonic decays of light hypernuclei, 23:23342
  Range-energy relation in emulsion, 25:7536
KREDER, K. Tensile ductility-transition in molybdenum, 23:48409
KREDER, Konstantine Strength, fracture mode, and thermal stress resistance of HfB_2 and ZrB_2, 23:22655
KREE, P. Conference on optimization, Nice, 6—7/69, 25:43526

KREEGER, A. H. Cup-seal interface characteristics, 21:44921 (N-67-22879)
  SNAP-8: a technical assessment, 21:42799
KREEK, H. Charge-overlap effects, 23:22896
  Induction forces: an exact treatment of charge overlap effects through third order, 24:37267
KREEM, E. I. Noctilucent clouds in vicinity of Molodezhnaya Station, 22:48030
KREES, Guenther Research on corrosion of reactor materials in flowing sodium melt at high temperatures, 23:6642
KREEVOY, Maurice M. Broensted α and isotope effects for vinyl ether hydrolysis, 22:25340
  Mechanism of hydrolysis of diazoacetate ion, 25:15586
  Mechanism of isotopic exchange between arylmercuric compounds and elemental mercury, 21:27958
KREFETZ, Elliott Appearance of a rotating configuration as viewed from infinity, 21:27266
  Equilibrium of slowly rotating configurations in the post-Newtonian approximation, 21:27267
KREFT, Ivan Cytological studies on an inversion in barley, 23:41291
KREGAR, I. Catheptic activity in organs of normal and irradiated rats, 24:34401
KREGAR, Igor Effect of whole-body gamma-irradiation on the N excretion in rat large intestine, 22:33922
KREGAR, M. Analysis of the low-lying 0^{+} states in the medium-weight nuclei, 21:10050
  Investigations of low-lying states in ^{70}Ge and ^{72}Ge, 21:7728
  Lifetimes of ^{39}K excited states, 25:43861
  Rotational levels populated by inelastic deuteron scattering, 21:4310
KREGEL, M. D. Cause of the dark-sheath in rf plasmoidal discharges, 22:3061
KREGEL, Mark D. Diffusion in decaying plasmas, 24:28278
KREGEL, Mark Douglas Investigation of radio-frequency plasmoid discharges, 22:36939
KREGER, Mary Ann Taxicrinic processor of ILLIAC III: simulation manual, 24:41084 (COO-1018-1212(Vol.1))
KREGER, W. E. Angular distributions and energy spectra of electrons transmitted through and reflected from elemental foils, 21:813 (AD-640865)
  Background, shielding, and collimation, 22:8378
KREHBIEL, H. Charge form factor of proton at momentum transfer of 75 F^{-2}, 21:31515 (DESY-67/18)
  Charge form factor of the proton at a momentum transfer of 75 fm^{-2}, 21:42240
  Electromagnetic proton form factors at squared four-momentum transfers between 1 and 3 (GeV/c)^2, 25:1366 (DESY-70/42)
  Electroproduction of pions near the Δ(1236) isobar and the form factor G*/sub M/(q^2) of the (γNΔ)-vertex, 23:5513
  Electroproduction of pions near the Δ(1236) isobar, 23:18780 (DESY-68/53)
  Inelastic electron—proton scattering in the region of the Δ (1236) resonance, 25:43527 (DESY-71/21)
  Magnetic spectrometer for high energy electron scattering experiments, 21:36456
  Magnetic spectrometer for high-energy electron scattering experiments, 21:28205 (DESY-67/10)
  Scattering of positrons and electrons from protons, 21:37656 (DESY-67/22)
  Scattering of positrons and electrons from protons, 21:42241
  Simple preamplifier for use of 10-stage photomultipliers with commercial nanosecond electronics, 21:43309
  Transverse and longitudinal cross sections for electroproduction of pions near Δ(1236)-isobar, 22:50274 (DESY-68/42)
  Transverse and longitudinal cross sections for electroproduction of pions near the Δ(1236)-isobar, 23:1581
KREHL, P. X-ray flash studies of shock waves produced from a liquid frozen by shock-wave processes, 25:18326 (UCRL-Trans-10507)
KREIBIG, Uwe Surface plasma resonances in small spherical silver and gold particles, 24:18032
KREICK, John Raymond Role of potentials in quantum electrodynamics, 24:35704
KREIDER, H. B. Jr. Modified moisture analyzer for solid radioactive materials, 22:49143 (MLM-1554)
KREIDER, K. G. Grain boundary diffusion in tungsten, 22:703
KREIDER, Kenneth G. Axial creep and stress-rupture of B—Al composites, 24:19445
KREIDL, N. J. Radiation effects on complex glasses, 21:40099
KREIDL, Norbert J. Radiation effects in quartz, silica, and glasses, 22:26095
KREIG, R. Mechanical stress of fuel rod bundles through azimuthal temperature gradients in fuel elements with eccentric geometry, 25:54115
KREIGER, E. Random pulse-burst generator for simulation of Gaussian distribution, 25:32309
KREIMER, G. S. Effects of tantalum carbide on strength and deformation of WC—TiC—Co under compression, 24:14726
  Stability and plastic properties of solid WC—Co during compression, 24:1004
KREIMER, Gersh S. Strength of hard alloys, 23:36073 (NP-tr-1818)
KREIMER, Gersh Semkhovich Strength of hard alloys, 22:34115
KREIN, M. G. The s-matrix theory of differential equations with integrable potential, 24:26515
KREINDEL, Yu. E. Compact source for negative oxygen ions, 22:44564
  Effective selection of electrons from plasma into vacuum, 24:23974
  Efficient selection from plasma of high-density electron currents into a vacuum, 23:52078
  Gas discharge injection of electrons into a resonator, 21:7007
  Microtron with plasma injector, 23:15316
  Production and investigation of inhomogeneous plasma in Penning discharges, 23:10678
KREINDLIN, I. I. Detection of defects in butt welds with beta rays, 25:57700
KREINDLIN, I. L. Use of sequential statistical analysis in measurement of nuclear radiation, 22:45286
KREINER, H. J. Rosette motion in negative-particle channeling, 25:1304
KREINGOLD, S. U. Hydroxystilbenecomplexone as luminescent reagent for Sc, 24:31233
KREINICK, D. Forward photoproduction of vector mesons from H at energies from 6.5 to 17.8 GeV, 22:44307
  High-energy photomeson production from hydrogen via the "u channel", 22:44308
  Measurements of π^0 and eta^0 photoproduction at incident gamma-ray energies of 6.0 to 17.8 GeV, 22:41726
  Neutral-boson photoproduction on hydrogen at high energies, 24:24208
KREINICK, David Louis High energy photoproduction of neutral mesons, 25:14524
KREININ, E. I. Absolute determination of star declinations, 22:52452
KREININ, L. B. Effect of electron bombardment on some parameters of silicon photoelectric devices, 22:28270
  Possible mechanism of formation of complex radiation defects in silicon introduced by electron irradiation, 22:50232
  Radiation resistance of silicon photoconverters, 21:8666
KREISCHE, W. Absolute measurement of the angular correlation of internal bremsstrahlung from ^{90}Y, 24:15940
  Development of continuous γ pulse height distributions, 21:3301
  Evidence for a 0^{+} level of ^{54}Fe at 2.56 MeV, 23:37183
  Gammaγ-triple correlation measurements on ^{54}Fe, 23:7274
  Internal bremsstrahlung of ^{32}P and ^{90}Y, 22:9873
  Internal bremsstrahlung of ^{32}P, ^{90}Y, and ^{90}Sr, 23:44859
  Investigation of low-lying levels in ^{54}Fe, 24:15821
  Lifetime and g-factor of 181 keV level in ^{78}Br, 25:48054
  Program for the analysis of triple correlation measurements, 24:29502
  Spectra of internal bremsstrahlung from beta decay of ^{90}Y and ^{90}Sr, 21:7802
KREISEL, E. Static equilibrium states of spherically symmetric masses with arbitrary baryon number in the tetrad theory of Treder, 25:9876
KREISEL, W. Angular correlation studies on the 326- and 177-keV cascade in ^{131}Xe, 25:43896
KREISKOP, V. N. Radiation-produced citrine coloration in quartz, 23:10717
KREISLER, M. N. Convenient calibration technique for neutron detectors, 25:44597
  Experimental study of ω neutral decays, 25:59320
  Neutron—nuclei total cross sections at 27 GeV/c, 22:44619
  Neutron—proton elastic scattering from 2 to 7 GeV/c, 24:37626
  Performance of large-volume two-phototube neutron detector, 25:8547 (PURC-4159-13)
KREISLER, Michael N. Comparison of high-energy neutron—proton and proton—proton elastic scattering, 22:44454
  Large-angle neutron—proton elastic scattering from 3.0 to 6.8 GeV/c, 22:44325
  Neutral branching ratios of the eta meson, 24:45404 (PURC-4159-3)
  Neutral branching ratios of the eta meson, 25:3258
  Neutral decays of the eta^0, ω^0, and X^0 mesons, 25:38634 (PURC-4159-29)
  Neutron total cross sections on protons and nuclei in the 30 GeV/c momentum range, 25:50060 (PURC-4159-36)
  Neutron—proton charge-exchange scattering from 8 to 28 GeV/c, 25:50059 (PURC-4159-35)
  Neutron—proton elastic scattering from 8 to 30 GeV/c, 24:10667
  Quest for faster-than-light particles, 22:44303
  Search for faster-than-light particles, 23:46593
KREISLER, Michael Norman Neutron—proton elastic scattering from 1 to 6 GeV, 22:3263
KREISMAN, P. J. Current-carrying states of weakly coupled superconductors, 21:3763 (COO-1569-5)
  Meissner effect and vortex penetration in Josephson junctions, 22:7248
KREITH, Frank Heat transfer between stationary and a rotating disk, 21:43150
KREITMAN, M. M. Application of a superfluid valve in a variable-temperature dewar, 25:56120
KREITMAN, Marshall Pressure activated superfluid valve, 23:42204
KREITSBERG, Z. N. Effect of ionizing radiation on the contents of ortho-oxyphenol in poplar shoots, 25:13598
  Radiation effect on the extractable substances of poplar wood, 25:506
KREJCI, Henry F. 1620 Monitor II-D disk storage subroutines, 21:47000 (ANL-7324)
KREJCI, I. Effect of contraction of movements of ^{45}Ca into and out of rat myometrium, 24:48381
  Effects of altered external calcium concentrations on fluxes of ^{45}Ca in rat myometrium, 25:8601
KREJCI, J. Elimination of ^{131}I-labelled heterologous antigen after total body x-irradiation, 25:26944
KREJCI, Kaj Improved method for amino acid analysis in the nanomole range, 24:41097 (LA-4405-tr)
KREJCI, M. Data loggers and their use in nuclear power engineering, 25:23264 (UJV-2497-R)
  Dilatometer for irradiation experiment with tube fuel element, 25:15965 (UJV-2490-R-A)
  Dynamics of hydraulic system and optimization of control overflow at TR-O reactor, 22:44838 (UJV-1944)
  Dynamics of TR-O reactor moderator level controlled by a circular overflow, 21:44948 (UJV-1845)
  Xenon stability of A2 reactor. II, 22:16162 (UJV-1860)
  Xenon stability of reactor A2. III, 23:26030 (UJV-2120-R)
KREJCI, V. Influence of hollow cathode with magnetic field on ionization waves in a neon discharge plasma, 22:44175
  Ionization waves and wakes excited by an acoustic pulse, 25:56154
KREJCI, Vaclav Effect of an acoustic pulse wave on striated neon discharge plasma, 23:3487
KREJS, F. R. Application of the Hartree—Fock variational method to center-of-mass motion, 25:12653
  Ground state correlations as variational parameters in the nuclear many-body problem, 25:15147 (NYO-2171-333)
  Ground state correlations as variational parameters in the nuclear many-body problem, 25:36840
KREJZLER, Ryszard Effect of additives on radiolysis of mepasine, 25:46522
KREKULOVA, A. Uv sensitivity of germinating culture of B. cereus, 24:2842
KRELL, A. Attenuation of neutrons and photons in a duct filled with a helical plug, 21:13782 (AE-261)
  Attenuation of neutrons and photons in a duct filled with a helical steel plug, 21:21027
  Radiation levels in Agesta power plant, 22:44805 (AE-325)
  Radiation levels in the Agesta power plant, 23:17174
KRELL, E. Advances in the field of separating stable isotopes by chemical exchange, 21:19738
KRELL, J. HTGR power plant control using manual, automatic, and digital computer control, 23:13446 (GAMD-8734)
KRELL, M. Energy levels and wave functions of pionic atoms, 23:36503
  Pionic 2p level widths in light nuclei, 23:28265
  Scattering π^-—^{12}C around the N* resonance, 25:1555
KRELL, Max Exact numerical solution for the nonlocal shell model. I, 21:42715
  Numerical precise solutions of the nonlocal shell models. II, 21:42686
  Repulsive effects due to the absorption in exotic atoms, 25:19485
KRELOVICH, L. Operational development of the railroad transport system, 22:4323
KRELOWSKI, Jacek Heating of the solar corona, 24:28012
KREMENCHUGSKII, L. S. Experimental studies of γ-radiation effects on electrical and spectral properties of triglycine sulfate, 22:18844
KREMENCHUZKY, S. Combined scintigraphy of spleen and kidneys using ^{197}Hg labeled BMHP, 24:6077
  Simultaneous study of the absorption of tritiated pteroylglutamic acid and ^{60}Co-vitamin B$_{12}$, 25:487
KREMENEK, J. Isobaric analog resonances in the scattering of protons by ^{114}Cd, 21:46762
  Nuclear structure in ^{113}Cd from ^{112}Cd(d,p) reaction, 23:31039
KREMENEVA, S. G. Complex formation and extraction of bromotellurate, 25:12935
KREMENTZ, Edward T. Enhancement of melanoma cell culture growth rate by ruby laser radiation, 23:22352
KREMER, E. Continuous fuel change under load-effects on operation and fuel cycle of the advanced gas cooled reactor, 24:38548
KREMER, Hugo F. Fresnel's equation in general relativity, 21:44227
KREMER, J. Analytical investigation of metals and inorganic raw materials. XVII, 23:37884
KREMER, M. Method of separation of radium, 22:23124
KREMER, P. Cerebral scanning in neurosurgical diagnosis, 24:41928
KREMER, S. M. Calculation of neutron energy-dependent capture gamma-ray production cross sections, 23:30953
  Comparison of measured and calculated neutron-capture gamma-ray spectra, 23:3546
KREMERS, Howard E. Rare earth uses, 22:23726 (CONF-670502-, pp 1-6)
KREMLEV, M. G. Criteria for current stability in combined (normal + superconducting) conductors, 21:20876 (IAE-1208)
  Current stability criteria in composite (normal + superconducting) conductors, 21:18544 (NP-tr-1511)
  Reliability of stabilized superconducting magnetic systems, 24:6471
  Stability criteria for current in combined (normal + superconducting) conductors, 22:22081
  Superconducting magnets, 22:26341
KREMLING, K. Decontamination of radioiodine-containing basin water with rapid filtering arrangements using silver salts, 22:31065
KREMNEV, V. L. Preparation of molybdenum metal powder by thermal decomposition of hexacarbonyl, 24:974
KREMNEV, V. V. Primary and secondary processes during formation of discharge over short, gaseous path length at nanosecond intervals of time, 22:50194
KREMP, D. Binary distribution function and correlation energy of high-temperature plasmas, 22:26386
  Quantum mechanical distribution functions for an electron gas, 23:1448
  Quantum statistical second virial coefficient for real gases and plasmas, 25:14322
  Quantum statistics of many-particle system with Coulomb interactions, 22:9379
  Quantum—statistical mechanics of a system of charged particles at high temperatures, 22:9373
  Theory of conductance of electrolytes and weakly-ionized plasma. II, 21:18728
  Theory of conductivity of electrolytes and weakly-ionized plasma. I, 21:18723
  Theory of conductivity of electrolytes and weakly ionized plasmas. I, 23:14772 (ORNL-tr-2067)
  Theory of conductivity of electrolytes and weakly ionized plasmas. II, 23:16781 (ORNL-tr-2068)

KREMPASKY, L. Solenoids precooled by liquid nitrogen for pulsed magnetic field, 22:10454
KREMPEC, J. Photometric and spectrophotometric observations of Nova Delphini 1967, 22:26107
KREMPEC, Janina Correlations between statistical population indices and spectral characteristics of carbon stars, 24:17427
KREMPIEN, J. Regulations for protection against injuries caused by ionizing radiations in schools, 22:499
KREMPL, E. Effect of stress concentration on the low-cycle fatigue of three low-strength structural steels, 24:53039 (GEAP-10170)
  Fatigue behavior of low-strength structural steels, 24:25243
  Influence of stress/strain concentration and mean stress on low-cycle fatigue behavior of three structural steels at room temperature, 24:10038 (GEAP-5726)
  Low-cycle fatigue strength reduction in notched flat plates, 21:14819 (GEAP-5410)
  Notched high-strain fatigue behavior of three low-strength structural steels, 24:986 (GEAP-5714)
KREMPL, E. E. Notched high-strain behavior of low-strength structural steels, 24:8085 (GEAP-10090)
KREMPL, H. Calculation of plasma composition and its application to temperature determination, 21:20934
  Thermal excitation functions and normal temperatures of atom and ion lines in two-component plasma, 21:16921
  Thermodynamic equilibrium in spark plasmas, 25:49897 (SC-T-713054)
  Two component equilibrium in thermal plasmas, 21:18775
KREMPL, Hans Determination of temperature and electron density in a spark plasma, 25:56142
KREMSER, G. Balloon measurements of solar protons in northern Scandinavia on July 7, 1966, 23:22810
  Balloon observations of proton fluxes during PCA period, May 23—30, 1967, 23:22987
  Energy variations of auroral electrons according to balloon measurements, 21:7100
  Observations of large-scale coherent pulsating electron precipitation events in the auroral zone, 21:35093
  Persisting 24-sec periodicity in auroral x rays interrupted by sudden geomagnetic impulses, 22:47902
  Properties of varying ionospheric absorption events in auroral zone, 22:46010
  Simultaneous balloon measurements of auroral x rays during slowly varying ionospheric absorption events, 22:24178
  Simultaneous measurements of auroral x rays at Kiruna (Sweden) and Ivalo/ Sodankyla (Finland) from July to September 1965, 21:7099
KREMSER, J. Critical assembly mockup of SEFOR reactor in ZPR-3, 21:35694 (ANL-7320, pp 560-8)
  Masurca 1-A and 1-B-preliminary results, 22:35657
KREMSER, Thurman Rodney Determination of stellar parameters from lunar occultation observations, 23:6790
KREMSNER, W. Grain boundary grooving of iron in liquid sodium, 25:2708
KREN, E. Polarized-neutron-diffraction study of magnetic moments in yttrium—cobalt alloys, 24:6655
KRENEVA, R. A. Correction of molecular heterozygotes, 23:9925
KRENEVA, T. V. Measurement of the cross section for ionization of a cesium atom by an excited mercury atom, 25:40386
KRENKEL, Peter A. Conference on biological aspects of thermal pollution, Portland, Oreg., 6/68, 24:29728
  Conference on engineering aspects of thermal pollution, Nashville, 8/68, 24:18577
  Engineering aspects, sources, and magnitude of thermal pollution, 24:29435
KRENOS, J. Reaction of H atomic ions with H molecules, 25:52673
KRENOS, John Simplest chemical reactions: exchange in H_3^+ system, 24:38879
KRENTSIS, R. P. Thermal conductivity of solid solutions of Si in Fe and Co, 25:759
  Thermal diffusivity and thermal conductivity of vanadium at high temperatures, 24:26324
KRENZ, F. H. Economics of natural UO_2, enriched UO_2, PuO_2—UO_2, and tandem fuel cycles in HWR concept, 21:8120 (CONF-660220-3)
KRENZ, Robert A. Measurements of internal damping of reactor fuel-element materials, 22:6142
KRENZ, W. Branching ratio (K/sub L/$^0 \rightarrow \pi\mu\nu$)/(K/sub L/$^0 \rightarrow \pi e\nu$), 23:42546
KRENZER, H. W. Radiation measurement technique, 23:24431 (TUBIK-9)
KREPELKA, Jiri Low ^{90}Sr-activity determination in water, 21:1285
KREPLIN, R. W. Distribution of trapped particles at altitude of 900 Km near south Atlantic geomagnetic anomaly, 24:32721 (AD-700232)
  Electron intensity variations in the inner belt following a geomagnetic storm, 25:17045
  Helium-like calcium emission observed during a solar flare, 25:16700
  Ionospheric absorption during shortwave fade-outs related to enhancement of solar x-ray flux, 25:30362
  Observation nonthermal solar x radiation in energy range $3 < E < 10$ keV, 25:52562
  Observations of electron density during a solar flare, 25:9300
  Slowly varying component of solar x-ray emission in the period July 1—15, 1966, 23:22782
  Solar electron temperatures and x-ray flare activity, 25:52558
  Solar soft x-ray flare spectra from OSO-4, 24:42460
  Solar x-ray spectrum from 1.9 to 25 A, 21:33055
  Temperature and emission-measure profiles of two solar x-ray flares, 25:920
  Thermal runaway as the solar flare trigger mechanism, 25:7079
  X-ray emission events preceding the proton flare of July 7, 1966, 23:22791
  X-ray emission from the proton flare of July 7, 1966, 23:22802
KREPLIN, Robert W. Observations of solar x-ray activity below 20 angstroms, 21:41721
  Solar cycle variation of soft x-ray emission, 25:4923
  Solar x rays: developing background for comprehensive theory, 24:17574
  SOLRAD 9 satellite Solar Explorer B 1968-17A, 23:44097 (AD-686019)
  X-ray line and continuum spectra of solar flares from 0.5 to 8.5 angstroms, 23:6844
KREPS, R. E. Charge-exchange scattering data and Schmid hypothesis, 23:18912
  Dipole rho meson, nucleon form factors, and charge-exchange scattering, 23:5636
  Faddeev equations with inelastic processes, 21:9858
  Form factors and antisymmetric nucleon wave functions in the quark model, 22:3443
  Nucleon and pion form factors and the dipole rho meson, 23:5618
  Satellite terms in Veneziano models, 24:37770
  Uncoupled-phase method with many perturbing channels, 21:9864
KREPSZ, I. Effect of ^{32}P internal irradiation on serum glucoproteins and lipoproteins, 22:12797
  Radioprotective effect of serotonin, 23:41265
KREPSZ, Ivan Experimental studies on blood protein and immunogenicity of ^{32}P-irradiated animals, 22:40805
KRESCH, Edward Possibility of nonthermal biological effects of pulsed electromagnetic radiation, 24:50745
KRESGE, A. J. Aromatic protonation. III, 23:15856
  Aromatic protonation. IV, 23:15857
  Aromatic protonation. V, 23:4623
  Effect of bending vibrations on the magnitude of hydrogen isotope effects, 23:13714
  Hydrogen isotope disproportionation in water and its effect on isotope-exchange equilibrium constants measured in aqueous solution, 23:177
  Prog. rpt. on aromatic hydrogen exchange, 9/65—1/67, 21:34247 (COO-1025-34)
  Relationship between isotope effects and reactivity, 22:37752
  Relative importance of inductive and steric effects in producing secondary hydrogen isotope effects on triphenyl cation formation, 21:45097
  Solvent isotope effects upon proton transfer from the hydronium ion, 25:18395
  Vibrational analyses of liquid water and the hydronium ion in aqueous solution, 25:18399
KRESHECK, Gordon C. Partial molal heat capacity at infinite dilution of amino acids in H_2O and D_2O solutions at 25°, 24:38880
KRESHKOV, A. P. Determination of Sr in presence of Ba, 24:18883
KRESIN, V. Z. Depth of magnetic field penetration in a superconductor model with overlapping zones, 22:34526
  Electromagnetic properties of superconductors with overlapping zones, 22:1093
  Electromagnetic properties of superconductors with strong coupling, 24:37394
  Electron mechanism of superconductivity in semiconductors and semimetals, 24:6468 (LA-4104-tr)
  Kinetic phenomena in superconductors, 24:1359
  Pair correlation of superconductive type in polycyclic molecules, 21:31354
  Possible mechanism of superconductivity, 22:31735
  Properties of abnormal superconductors, 22:31736
  Properties of superconductors having overlapping bands, 21:37358
  Superconductivity electron mechanism in semiconductors and semimetals, 22:34529
  Thermal properties of anomalous superconductors, 21:33335
  Thermal properties of superconductors with a strong electron—phonon interaction, 22:34536
  Thermoelectric effect in superconductors, 22:13400
  Ultrasonic absorption in superconductors with electron-phonon interaction, 23:12706
KRESLOV, V. S. Change in composition of rat blood as affected by ^{237}Np, 25:13346
KRESLOV, V. V. Influence of ^{237}Np on enzymes of phosphorus metabolism, 22:47471
  Neptunium-237 metabolism in rats, 21:34578
KRESNIN, A. A. Alpha-particle model and electron scattering of oriented nuclei, 24:13435
  Analysis of triple correlations in radiative capture reactions, 21:42712
  Application of the superfluidity model for the investigation of non-axial nuclei, 21:5568
  Application of the superfluidity model to light nuclei, 21:23464
  Diffraction scattering and Regge-pole technique, 23:37345
  Diffraction scattering of particles with spin 1/2, 21:38396
  Diffraction scattering theory, 24:26682
  Distribution of radiation widths from (p,γ) reactions, 25:3767
  Rotational model representation of low-lying excited states in ^{23}Na, 21:44654
  Superfluidity nuclear model and odd-mass nuclei, 21:40500
KRESS, Kenneth Albert Electronic structure of Mo and Ru, 25:11982
KRESS, T. S. Calculating convective plateout of fission products, 21:40697 (ORNL-P-3205)
  Calculating convective transport and deposition of fission products, 22:46915 (ORNL-TM-2218)
  Numerical solution of isothermal fission-product deposition equations: program PREDEP-II, 21:43059 (ORNL-TM-1970)
  Simplified approach to calculating convector plateout of fission products, 22:5964
  Theory and iterative solution of a model for fission-product deposition, 24:47942
  Theory of an initial-boundary value problem occurring in the study of fission product deposition, 22:48850 (ORNL-4277)
KRESSEL, M. Different sensitivity of genomes of Oenothera berteriana against ethyl methane—sulfonate, 22:10746
KRESSEL, Maria Mutagenic effect of EMS on O. berteriana, 22:51504
KRESSIN, Elaine L. Gamma irradiation of the tobacco budworm, 22:36427
KRESSNER, H. Current measurement with self-integrating Rogowski coil, 23:36656
KRESTNIKOV, Yu. S. Analysis of radiative decays and geometrical characteristics of $X^0 \rightarrow Y^0 + \gamma \rightarrow 3\gamma$ decay, 21:31566
KRESTOV, G. A. Relation of interionic distances in crystalline francium halides and alkali metal astatides to temperature, 24:18969
  Relation of interionic distances in sesquioxides of rare earth elements, 24:27889
  Temperature coefficients and changes in interionic distances in crystalline plutonium compounds at different temperatures, 25:20995
  Thermal characteristics of crystalline Fr halogenides and alkali metal astatides in temperature interval from 0 to 300°K, 22:45078
  Thermochemical characteristics of crystalline halides and oxides of rare earth and actinide elements, 23:28844
KRESTOVA, N. V. Relation of interionic distances in crystalline francium halides and alkali metal astatides to temperature, 24:18969
  Relation of interionic distances in sesquioxides of rare earth elements, 24:27889
  Temperature coefficients and changes in interionic distances in crystalline plutonium compounds at different temperatures, 25:20995
  Thermal characteristics of crystalline Fr halogenides and alkali metal astatides in temperature interval from 0 to 300°K, 22:45078
  Thermochemical characteristics of crystalline halides and oxides of rare earth and actinide elements, 23:28844
KRESTOVNIKOV, A. N. Structural transformations in cobalt—vanadium melts, 25:58281
KRESTOVNIKOVA, T. I. Photographic processing of nuclear emulsions, 23:45522
KRETCHMAR, A. L. Altered metabolism of serine in radiation chimeras, 24:549
  Computer study of the hemopoietic system of rats recovering from total-body irradiation, 21:45783 (ORAU-101, pp 53-5)
  Difference between spleen-derived and bone marrow-derived colony-forming units in ability to protect lethally irradiated mice, 25:16230
  Mathematical model for post-irradiation hematopoietic recovery, 21:43499 (RM-5272-PR)
  Mathematical model for post-irradiation haemopoiesis, 24:12254
  Mode of action of erythropoietin in polycythemic mice. III, 25:16343
  Serine metabolism in radiation chimeras, 22:38196 (ORO-3635-1)
  Serine metabolism in radiation chimeras, 22:38197 (ORO-3635-2)
KRETCHMAR, Arthur L. Recovery of lethally-irradiated mice given syngeneic bone-marrow cells, 21:45662 (ORAU-101, pp 41-4)
KRETNER, Helen K. Prediction of maximum dosage to man from fallout of nuclear devices, 23:8004 (UCRL-50163(Pt.4))
KRETSCHKO, J. Dosimeter comparison between different accelerator stations, 22:51254
  Effect of technical and methodical improvements on patient dose in nuclear medicine, 25:32502
  Patient dose in nuclear medicine, 25:46864
KRETSCHMAR, R. Determination of the activity coefficients of uranyl perchlorate in aqueous solutions, 25:4086
KRETSCHMER, C. B. Plasma waves and rotation in the gas-fed hollow-cathode arc, 22:3126
  Plasma waves and rotation in the gas-fed hollow-cathode arc, 22:26389
KRETSCHMER, Carl B. Prog. rpt. on unstable oscillations in energetic arcs, final, 3/1/65—4/30/66, 21:7206 (AD-634023)
KRETSCHMER, Harald Relations between spleen and hemopoiesis, 25:44923
KRETSCHMER, W. Investigation of 2^+ core excitation in ^{141}Ce by inelastic scattering of polarized protons, 25:48105
KRETT, V. Heat and mass transfer in HWGCR type A-1 fuel assemblies, 25:41414 (ZJE-98)
  Heat transfer in finned rod clusters with axial flow, 24:7581 (ZJE-57)
  Rod models of fuel elements of nuclear reactors, 25:15410 (ZJE-92)
  Safety in the operation of fuel rods and methods of determining the safety factor, 23:52387 (JPRS-48331, pp 658-91)
  Some aspects of rod cluster type fuel assemblies operation and hot channel factor calculations, 23:40278 (ZJE-44)
KRETTOVA, A. Compensation for the reactivity by means moving grids, 22:1827
  Reactivity compensation by means of mobile lattices, 23:26032 (ZJE-42)
  Temperature field in a fuel element with the arbitrary distribution of heat sources, 25:46156 (ZJE-100)
KRETZ, Norbert D. Cesium-137 retention in dogs, 24:23078 (CONF-690501-, pp 191-205)
  Thermoregulatory capabilities of normal, aged, and irradiated beagles, 23:45898 (ANL-7535, pp 166-9)
  Thyroiditis in a closed colony of beagles, 23:45794 (ANL-7535, pp 173-4)
KRETZ, R. Plastic scintillators in nuclear measuring techniques, 24:9662
KRETZEN, H. Application of effective tensor operators to level crossing, 22:52531

KRETZSCHMANN, G. Nitrogen-15 program of the Inst. of Stable Isotopes, 25:13172
KRETZSCHMAR, M. Pion—pion scattering lengths in $I = 0$ and $I = 2$ states, 21:40212
Prog. rpt. on elementary particle physics, annual, 11/68—10/69, 24:10677 (TID-25298)
KRETZSCHMAR, Martin Model calculations for $I = 0$ and $I = 2$ S-wave pion—pion scattering, 23:32704
Modified Regge representations of Khuri type, 21:21316
KRETZSCHMAR, Robert M. Radioiodine uptake of human fetal thyroid, 21:26341
KREUTZ, E. W. Changes of surface conductivity in Ge during x-irradiation, 25:11963
Effects of x radiation on MOS devices at 79K, 25:42234
Kinetics of processes variably distributed in recovery energy, 25:19859
Surface potential in InSb with x-ray irradiation, 24:3455
X-ray induced changes of transport phenomena in InSb, 23:48982
X-ray surface photoconductivity in n- and p-type InSb, 23:18739
X-ray-induced conductivity changes in Ge, 24:15401
KREUTZ, R. Hydrofluorination of U/Th oxides and carbides with coating of pyrocarbon/ silicon carbide/pyrocarbon, 25:23695
Separation of MoF$_6$ and UF$_6$ by sorption on NaF, 25:23696
Separation of UF$_6$ from a fluorine containing carrier gas, 25:245
Volatilization of UF$_6$ by fluorination of fluoride melts, 24:27197
Volatilization of UF$_6$ in fixed bed, 24:27196
KREUZ, A. Development of valves for the main circuits of nuclear power stations, 22:39825
KREUZER, H. Pair-breaking effects in superconducting alloy LaCe, 25:52750
KREUZER, H. J. Accuracy of the JWKB method in alpha-decay, 24:20454
Bound on double spectral function for a class of Yukawian potentials, 22:1455
Dielectric wave guide as plasma probe, 21:20939
Hartree—Fock approximation for binding energy of ^{4}He, 25:12373
Proof of a conjecture on the behaviour of the scattering amplitude for large imaginary angular momenta, 22:32225
Regge trajectories for multichannel scattering, 24:52234
Regge trajectories for multichannel potential scattering, 25:31031
Second-order contribution to binding energy of ^{4}He and ^{16}O, 23:49320
Second-order contribution to the binding energy of doubly-closed-shell nuclei, 25:22963
Soluble two-channel problems in potential scattering, 25:3458
KREUZER, K. Elementary process of bremsstrahlung production for Au at 300 keV, 25:33398
KREUZER, L. B. Experimental measurement of the equivalence of active and passive gravitational mass, 22:35113
KREUZER, Rudolf Conference on freezing and irradiation of fish, Madrid, 9/67, 24:2852
KREUZER, W. Activity and penetration of ^{137}Cs in soils, 25:24080
Decontamination of ^{137}Cs incorporated into meat, 25:24137
Distribution of ^{137}Cs in cattle, 25:24018
Distribution of ^{54}Mn in the fowl, 25:24025
Inspection and evaluation of meat with respect to radioactive contamination, 25:24140
Varying ^{137}Cs contamination of wild game, 25:24138
KREVITT, Roland Remote maintenance techniques proposed for the 200-GeV accelerator, 21:27469 (UCRL-17195)
Strain gages: postage stamp stress analyzers, 24:16745 (UCRL-19432)
KREVITT, Roland S. Fatigue life gages on 46.000 kVA generator under pulsed loading, 23:49995 (UCRL-18423(Rev.))
KREY, G. Performance of high-temperature reactor and helium turbine, 23:28366
Performance of high-temperature reactors with helium turbines, 23:37485
KREY, P. Accumulated fallout ^{90}Sr in the Rocky Flats area, 25:8353 (HASL-237, pp I.11-26)
Updating stratospheric inventories to January 1970, 25:15784 (HASL-239, pp I.80-91)
KREY, P. W. Atmospheric burnup of ^{238}Pu generator, 22:4362
Comparison of atmospheric transport model calculations with observations of radioactive debris, 24:31504
Implications of changes in the global ^{90}Sr budget, 22:186
Plutonium in soil around the Rocky Flats Plant, 24:46355 (HASL-235)
Strontium-90 concentrations and stratospheric transport, 21:28102
Tropospheric scavenging of ^{90}Sr and ^{3}H, 25:26389 (CONF-700601-, pp 447-63)
KREY, Philip W. High-altitude balloon sampling program, 22:21204 (HASL-184, pp II.26-86)
Plutonium-238 from the SNAP-9A burnup, 21:36271
Project Airstream, 22:21202 (HASL-184, pp I.119-223)
Project Airstream, 22:25527 (HASL-193, pp I.33-207)
Radioactivity in atmospheric tests, 24:44122 (HASL-217, pp I.149-54)
Seasonal and latitudinal modification of the HASL model of atmospheric transport, 25:15783 (HASL-239, pp I.63-79)
KREY, R. U. Bremsstrahlung and recombination radiation of atomic and ionic oxygen, 21:33433
Bremsstrahlung and recombination radiation of neutral and ionized nitrogen, 23:16803
Continuum radiation of oxygen and nitrogen for use in plasma temperature determination, 21:751
Continuum radiation of oxygen and nitrogen for use in plasma temperature determination, 21:5253
Experimental test of H/sub β/ stark-broadening theory at high electron densities, 22:50189
Experimental total and total line radiation of nitrogen, oxygen, and argon plasmas, 24:28266
KREYE, Heinrich Discontinuous precipitation in Cu—2 wt. percent Be, 25:35494
Influence of prior cold work on discontinuous precipitation in Cu—2 wt. percent Be, 25:49478
KREYGER, P. J. Flow-instability-induced burn-out, 24:36490
In-core heat transfer in MTR plate type fuel elements, 24:36072
Non-destructive burn-up determination by 145-keV gamma-ray absorption, 25:21322
KREYMER, Yu. Kh. Effect of radiation on immunity to Newcastle disease, 24:34156
KREYNDLIN, I. I. Use of radioisotope devices in process monitoring and control, 25:51697 (A/CONF.49/P-465)
KREYNIN, L. B. High-temperature annealing of irradiated n—p transitions, 22:15634
KREYNS, P. H. Radiation-enhanced relaxation in Zircaloy-4 and Zr/2.5 wt percent Nb/0.5 wt percent Cu alloys, 22:28858
Radiation-enhanced relaxation in Zircaloy-4 and in a Zr + 2.5 wt. percent Nb + 0.5 wt. percent Cu alloy, 22:43622 (WAPD-TM-746)
KREZ, D. P. Radioisotopic methods for control and level gauging, 22:4366
KREZHOV, K. Change in electric conductivity of nonlinear silicon carbide resistors with gamma radiation, 25:44749
Gamma-radiation-induced changes in SiC semiconductor varistors, 25:57903
Gamma-radiation-induced desorption of gas from SiC varistors, 25:55102
KRIA, Said Control rod calibration and reactivity measurements at Pakistan research reactor, 22:22825 (PINSTECH/RO-4)
KRIBEL, R. Ionization of fast neutral atoms by passage through a hot-cathode discharge, 22:13440
Properties of the rotating spoke in an unstable pulsed MPD arc, 25:36111
KRIBEL, R. E. Application of intense relativistic electron beams to Astron-type experiments, 25:38492 (CONF-710607-12)
Measurement of electron temperature using relative line intensities of Ar II, 22:36894
Plasma confinement in dc octopole, 24:10504
Plasma transfer between linear octopole and linear quadrupole guide fields, 23:42279
KRIBEL, Robert Edward Plasma transport in a magnetoplasmadynamic arc, 23:42264
KRICHEFF, I. I. Basal-cell carcinoma of head and neck, 25:24260
KRICHEL, R. Influence of curvature of a wall-stabilized electric arc, 25:33213
Whirl stabilization of cylindrical electric arcs, 23:3503
KRICHENKO, V. N. Distribution of short-lived daughter products of radon in the respiratory tract, 25:39795 (AEC-tr-7232, pp 145-54)
KRICHEVSKAYA, E. I. Influence of ionizing radiation on pexia of serotonin and acetylcholine by blood and tissues, 24:16982
KRICHEVSKAYA, O. D. Preparation of molybdenum metal powder by thermal decomposition of hexacarbonyl, 24:974
Pressing and sintering of carbonyl molybdenum powders, 23:24830
Production of molybdenum and tungsten by the carbonyl method, 23:51024
KRICHEVSKII, E. M. Problems involved in the preparation of welded niobium alloy pipes, 24:34866
KRICK, M. S. Delayed-neutron yield vs energy measurements, 25:5770
Direct measurement of particle-hole impurities in ground state of ^{16}O, 23:37122
Intermediate structure in ^{39}K + p $\rightarrow$ ^{40}Ca studies, 24:43300
Nanosecond beam pulsing and time-of-flight system for an MP tandem, 21:38015
Pulsed-beam facility for MP tandem, 21:42486 (UR-NSRL-2)
Pulsed-beam facility for University of Rochester's MP tandem, 21:44465 (AD-651569)
Reactions ^{16}O(d,^{3}He)^{15}N and ^{16}O(d,t)^{15}O at 20 MeV, 22:26869
Recommended applications of nuclear safeguards to the storage of materials in the proposed National Waste Repository, Lyons, Kansas, 25:48778 (CONF-710617-2)
KRICK, Merlyn S. Development of an NE-213 fast-neutron TAC spectrometer system utilizing off-line gamma-ray discrimination, 25:55033 (COO-2049-6)
KRICK, Merlyn Stewart Double stripping reaction ^{16}O(^{3}He,n)^{18}Ne, 22:5784
KRICKER, W. Study of disinfestation of bananas by gamma irradiation, 25:32635
KRIDER, E. P. Method for optically coupling a 5 in. photomultiplier tube, 21:24267
Search for charge $^{1}/_{3}$e and $^{2}/_{3}$e quarks in cosmic radiation near sea level, 24:28466
KRIDER, Edmund Philip Search for fractionally charged particles in cosmic rays, 24:19785
KRIEBEL, A. R. Wave runup, Mono Lake tests, 1965, 23:17625 (AD-674858)
KRIEBEL, Helga Metallographic presentation of phases in equilibrium diagrams, 24:12423
KRIECHBAUM, M. Energy levels of semimagical nuclei, 22:48592
Theoretical energy levels of lead isotopes, 23:42933
KRIEDEMANN, P. E. Carbon-14 translocation in orange plants, 23:38414
KRIEG, B. Evaluated microscopic neutron cross sections and 26 group constants for Cd, 24:28770 (EURFNR-749)
Evaluation of fast critical experiments by use of recent methods and data, 24:22506
Group cross-section set KFK-SNEAK, 22:35627
Group cross-section set KFK-SNEAK: preparation and results, 22:6092 (EURFNR-397)
Status of Karlsruhe evaluated nuclear data file KEDAK at 6/70, 25:41225 (EURFNR-912)
KRIEG, Gary M. Prog. rpt. on high temperature inorganic chemistry, annual, 7/15/68, 22:42654 (NYO-2082-18)
KRIEG, J. F. Fatigue cracks in wrought Be sheet, 23:41614
KRIEG, R. Assessment and maintenance of image quality in x-ray diagnosis, 24:36774
Stress distribution in longitudinally ribbed fuel element claddings, 25:54314
KRIEG, R. D. General shell equations under large strains and rotations, 21:35806 (SC-CR-67-2641)
Large deflection dynamic elastic—plastic response of clamped beams subjected to explosive loading, 22:18668 (SC-RR-67-848)
Phase velocities of elastic waves in structural computer programs, 22:7963 (SC-DR-67-816)
Relaxation of time increment requirements in structural computer programs, 23:33130 (SC-DR-69-102)
UNIVALVE: computer code for analyzing dynamic large deflection elastic-plastic response of beams and rings, 22:18665 (SC-RR-66-2682)
KRIEG, Raymond D. Large deflection strain rate-velocity relation for general shell under Kirchhoff assumption, 21:32067 (SC-RR-66-658)
KRIEG, Robert Experimental studies on combination treatment with radiation and cytostatic agents. VII, 24:12201
Studies of treatment combining radiation and cytostatic agents. VI, 24:756
Treatment of Crocker-sarcoma 180 of mice with combined x radiation and chlorpromazin, 23:20283
KRIEG, Rolf Influence of dimensional inaccuracies on the stress calculation of piping systems, 25:13182
KRIEGE, O. H. Control of γ' particle size and volume fraction in Udimet 700, 25:49477
KRIEGE, Owen H. Chemical partitioning of elements in gamma prime separated from Ni-base alloys, 23:26994
Determination of scandium by atomic absorption, 22:45023
KRIEGEL, E. Radiation damage to materials, 22:17150
KRIEGEL, H. Dosimetry within the body of rats after ^{90}Sr—^{90}Y-incorporation, 22:49347
Elimination of incorporated radioactive material, 23:22304
Internal body dosimetry after ^{90}Sr—^{90}Y incorporation in rats, 23:22279 (AEC-tr-7019)
Leukemoid reaction after ^{90}Sr-incorporation in rats, 23:24741
Leukemoid reaction following ^{90}Sr incorporation in rats, 23:41432 (AEC-tr-7086)
Metabolism of bilirubin in liver of γ-irradiated rabbits, 25:16039
KRIEGEL, Heinz Effect of x irradiation on development of mammalian fetus, 24:23315 (CONF-690501-, pp 251-62)
Regeneration processes in thymus, spleen, and bone marrow of rats following whole-body x radiation with different radiation doses, 23:12226
Teratogenic effect of ionizing radiations, 25:24376
Thermoluminescent dosimetry of internal organs using ^{90}Sr incorporation, 21:10899
KRIEGEL, W. W. Grain boundary sliding in alumina bicrystals, 25:23459 (ORO-3328-17)
Prog. rpt. on grain boundary sliding in alumina bicrystals, semiannual, 4/1/67—11/30/67, 22:13071 (ORO-3328-7)
KRIEGER, A. High-resolution x-ray images of sun using grazing incidence telescope, 25:884 (N-70-29888)
KRIEGER, A. S. Cherenkov light experiment: Bolivian air shower joint experiment, 22:38820 (AD-664355)
X-ray photographs of the Sun on March 7, 1970, 24:44929
KRIEGER, Allen S. BASJE Cherenkov light experiment, 23:44191 (AD-688237)
Cherenkov light in extensive air showers, 24:8361
KRIEGER, F. J. Thermodynamics of beryllia/beryllium—oxygen vapor system, 21:11301 (RM-5151-PR)
KRIEGER, G. L. Physical chemistry of cleaning, 21:5846 (SC-TM-66-428)
Principles of operation of the indium adhesion tester used for surface contamination measurement, 21:40747 (SC-DC-67-2001)
KRIEGER, H. L. Evaluation of ion-exchange surveillance sampler for analyzing radioactive liquid effluents, 25:57351
Iodine-131 discharges from an operating boiling water reactor nuclear power station, 25:42388
Radiological surveillance studies at a boiling water nuclear power reactor, 25:28625
Radiological surveillance studies at a BWR nuclear power station: estimated dose rates, 25:56979
Radionuclides in effluents from boiling water reactor, 25:6080
KRIEGER, Herman L. Effective half-times of ^{90}Sr and ^{137}Cs for contaminated pasture, 24:6014
Radiological surveillance studies at a boiling water nuclear power reactor, 24:26708 (BRH/DER-70-1)
Radionuclide release at a PWR nuclear power station, 25:41361
KRIEGER, J. B. Application of higher-order WKB approximation to radial problems, 22:5473
Exact quantization conditions, 22:44515
Stark effect in hydrogenic atoms, 24:8331
Variational principles for expectation values applied to the ground state of the helium isoelectronic sequence, 25:19475
KRIEGER, Martin H. Neutron emission from muon capture, 23:51841 (NEVIS-172)
KRIEGER, R. J. MHD hydrostatic thrust bearing, 22:52604

KRIEGER, S. J. Effective nucleon—nucleon potential for use in nuclear Hartree—Fock calculations, 22:32718
  Hartree—Fock calculations of even—even N = Z nuclei, 24:24620
  Hartree—Fock calculations of the even—even N = Z nuclei, 24:43152
  Structure of ^{16}O, 23:13222
KRIEGER, T. J. Statistical theory of polarized nuclear reactions, 22:42129
KRIEGER, Theodore J. Nuclear cross section fluctuations and random matrices, 22:20763
  Statistical theory of nuclear cross section fluctuations, 21:27625
KRIEGSEIS, W. Dosimetry with exo-electrons, 25:23870
KRIEN, K. Electromagnetic properties of the K = 1/2 rotational band in ^{169}Tm, 23:11022
  Experimental investigation of the decay ^{223}Ra $\rightarrow$ ^{219}Rn, 24:13354
  Four-detector-apparatus for differential measurements of angular correlations and determination of the quadrupole moment of ^{164}Dy, 21:15542 (BMwF-FBK-66-38)
  Magnetic properties of [624] 9/2 rotational band in ^{177}Hf, 23:23691
  Mixing of rotational bands in ^{160}Dy, 23:7313
  Spins in decay of ^{219}Rn $\rightarrow$ ^{215}Po, 25:17948
KRIENEN, F. Conservation of muonic lepton number, 23:42540
  Conservation of μ-lepton number, 24:21926
  Dependence of neutrino—nucleus cross sections on the nucleon number of the target nucleus, 25:25294
  Dependence of τ—nucleus cross sections on the mass number, 23:25504 (CERN-69-7, pp 61-71)
  Dependence of τ-nucleus cross sections on mass number, 24:10661
  Measurement of the decay of the long-lived neutral K meson into two neutral pions, 21:7455
  Optical digitization of wire spark chambers, 24:29578
  Upper limit of the anti τ-contamination in the CERN neutrino beam, 24:15708 (CERN-69-28, pp 47-53)
KRIENEN, Frank CERN spark chambers, 24:50632
KRIENER, H. Influence of vector coupling system on the continuous absorption coefficients, 25:38071
KRIENER, Heinz Continuum absorption coefficient of helium and lithium, 22:5130
KRIER, C. A. Coated refractory metals, 23:24891
  Complex silicides for protective coatings, 21:26897
  Topcoat for disilicide-coated TZM Mo alloy, 23:48333
KRIESLER, Michael N. Neutron—proton and neutron—deuteron total cross sections from 14 to 27 GeV/c, 22:17861
KRIESSMAN, C. J. Applied solid state science, 24:24171
KRIESTER, A. Use of the Jena 30-MeV betatron in radiation therapy, 21:18091
KRIESTER, Barbara Effects of solar radiation in the lower atmosphere, 23:51484
  Stratospheric warmings, 23:51485
KRIEVE, W. F. Fission—electric cell experiment, 21:5108 (JPL-TR-32-981)
KRIEVE, Walter F. Fission-electric cell irradiation, 21:18487 (JPL-TR-32-970)
KRIGE, D. G. Gold and U distribution patterns in the Klerksdorp gold field, 21:36170
KRIGE, G. J. TRANSMIT: computer program to evaluate a multi-electrode electron gun, 23:20047 (PEL-184)
KRIGENS, A. G. Compilation of physical and chemical properties of materials and streams encountered in the chemical processing department, 23:7497 (ARH-724(Add.))
KRIGER, Yu. A. Protective action of some chlortetracycline derivatives during radiation damage of yeast, 21:43464
KRIGMAN, F. E. Radioactivity of rocks in connection with influence on development of pneumoconiosis, 22:45683
KRIGSGABER, M. R. Protein synthesis in early development of gurnard after radiation inactivation of nucleus, 22:51353
KRIJNEN, J. J. Medical aspects of atomic warfare. I, 22:6861
KRIKAL, J. Scintigraphic localization of placenta by /sup 99m/Tc-labeled albumins, 21:22522
KRIKIS, Yu. Yu. Fast neutron spectra measurements in IRT-2000 reactor, 23:4379
KRIKLAVA, J. Blood coagulation in workers exposed to ionizing radiation, 25:44913
  Blood in employees of U mines, 23:43794
  Effect of chronic radiation on results of TEG, 25:58144
  Erythrocytes of U miners, 24:27605
  Hemograms of uranium mine employees, 23:16427
  Nuclear residue in erythrocytes in persons exposed to long-term radiation, 24:904
  Thromboelastographic examination (TEG) in U miners, 25:39946
KRIKORIAN, J. BIM, a large 10-MJ magnet, 25:1148
  Development of high-field coils at CEA, 22:21257
  Large superconducting windings, 22:11377
  Protection of large superconducting coils, 24:30288
  Protection of large superconducting coils, 25:27663 (ORNL-tr-2436)
  Superconducting quadrupolar coil for a neutral atom multi-injection experiment, 25:7407 (CEA-CONF-1663)
KRIKORIAN, N. H. Anisotropic thermal expansion of refractory carbides by high-temperature neutron diffraction, 25:11509
  Crystal structures of ThC_2, 22:49843
  Enthalpies of formation of cerium dioxide, cerium sesquicarbide, and cerium dicarbide, 25:29961
  Enthalpies of formation of thorium mono- and dicarbides, 22:31453
  Formation of carbide surfaces on tantalum and tantalum—tungsten alloys, 22:729 (LA-DC-8803)
  High pressure synthesis and superconducting properties of yttrium sesquicarbide, 23:6965
  High-pressure synthesis of new heavy rare earth carbides, 25:723 (CONF-700403-(Vol.2), pp 582-7)
  High-pressure synthesis of Y—Th sesquicarbide, 23:41711
  High-temperature neutron diffraction study of LaC_2 and YC_2, 21:18340 (LA-DC-8451)
  Knight shifts of ^{13}C in carbides of uranium and thorium, 22:31954
  Occurrence of superconductivity in lanthanum sesquicarbide, 23:8540
  Polymorphism in heavy rare earth dicarbides at high pressures and temperatures, 23:8365 (CONF-681020-(Vol.1), pp 197-206)
  Preparation and crystal structure of Sc_4C_3, 24:19514
  Preparation and superconductivity of Ge-stabilized $Sc_{13}C_{10}$, 23:48519
  Preparation and superconductivity of the sesquicarbide phase in the lanthanum—thorium—carbon system, 24:46780
  Reaction of selected lanthanide carbides with platinum and iridium, 25:69 (CONF-700403-(Vol.2), pp 588-97)
  Reaction of selected lanthanide carbides with platinum and iridium, 25:24643
  Reaction of some noble and transition metals with refractory carbides, 21:9245
KRIKORIAN, Nerses H. Enhancement of superconductivity of lanthanum and yttrium sesquicarbide, 25:52741
KRIKORIAN, O. H. Enthalpy of sublimation of Tc, 24:19452
  Liquid and vapor densities and critical temperatures for the alkali metals, 22:19521 (UCID-15269)
KRIKORIAN, Oscar H. Crystal structure of $RhBe_{6.6}$, 24:25734
  Estimation of heat capacities and other thermodynamic properties of refractory borides, 25:47156 (UCRL-51043)
  Thermodynamics of the silica-steam system, 24:41494 (CONF-700101-(Vol.1), pp 481-92)
KRIKS, H. J. Investigations on exoelectrons with a special proportional counter, 25:57834
KRIKS, H.-J. Experience on operation at 100 and 200 kW of the research and measurement reactor, 24:41043 (FMRB-24)
  Proportional counter for detection of exoelectrons, 25:26487
  Standard values for permissible contamination of surfaces with radioactive materials, 24:41902 (FMRB-18)
  Use of exoelectron emission from BeO in dosimetry, 25:4380
KRIKUN, Yu. A. Liquid metal oscillation with consideration of magnetic viscosity, 22:41429
  Radial oscillations of a conducting cylinder under the influence of a magnetic field, 21:35066
KRIMER, B. I. Nb—Mo phase diagram, 23:14366
KRIMER, B. M. Technique of scannogram contrasting of the computer "URAL-3", 23:9810
KRIMGIS, S. M. Venus: upper limit on intrinsic magnetic dipole moment based on absence of a radiation belt, 22:8861
KRIMIGIS, S. J. Solar particle observations inside the magnetosphere during the July 7, 1966 proton flare event, 23:22825
KRIMIGIS, S. M. Alpha particles trapped in Earth's magnetic field, 24:42601
  Distribution and energy spectrum of alpha particles in the radiation zones, 22:34509
  Distribution of low-energy trapped protons associated with 4/17/65 magnetic storm, 25:49797 (N-71-22496)
  Geomagnetically trapped alpha particles, 22:5249
  Interplanetary diffusion and cosmic ray modulation, 22:2873
  Low-energy (greater than or equal to 0.3 MeV) solar-particle observations, 25:55956
  Low-energy cosmic rays near Earth, 25:27473
  Observations of February 5 to 12, 1965, solar particle event, 21:43843
  Observations of geomagnetically trapped protons and alpha particles, 23:48835
  Observations of low-energy (approximately 0.5 MeV) trapped protons with Injun IV, 22:34512
  Observations of protons in magnetosphere and magnetotail with Explorer 33, 22:13343
  Observations of solar particle event of Feb. 5—12, 1965 with Mariner IV and Injun IV, 21:43693 (N-67-26441)
  Observations of the solar particle event of July 7, 1966, 23:22815
  Observed absence of energetic electrons and protons near venus. report no. 67-66, 22:34135 (AD-662227)
  Observed absence of energetic electrons and protons near Venus, 22:13147
  Particle storage at the Sun, 25:16696
  Prog. rpt. on observations of geomagnetically trapped protons and alpha particles with OGO-4, 12/68, 23:27429 (AD-681006)
  Prog. rpt. on observations on Mariner IV, 5—10/65, 21:11332 (N-66-19199)
  Prog. rpt. on observations on Mariner IV, 11/64—2/65, 21:11486 (N-66-19194)
  Proton fluxes at 300 keV associated with propagating interplanetary shock waves, 25:7223
  Radial gradient of interplanetary radiation measured by Mariners 4 and 5, 23:27392 (N-69-12960)
  Radial gradient of interplanetary radiation, 23:41998
  Simultaneous observations of solar protons inside and outside the magnetosphere, 21:29105
  Simultaneous observations of solar protons inside and outside the magnetosphere, 21:43688 (AD-651480)
  Statistical study of solar protons, alpha particles, and Z greater than or equal to 3 nuclei in 1967—1968, 25:43231
  Summary on energetic particles observed during the July 1966 proton flare event, 23:22832
  Trapped energetic nuclei Z greater than or equal to 3 in the Earth's outer radiation zone, 24:45092
KRIMIGIS, Stamatios M. Energetic C, N, and O nuclei in Earth's outer radiation zone, 25:7231
KRIMM, S. Vibrational analysis of chain folding in polyethylene crystals, 22:27634
KRIMMEL, E. F. Activation energies applied to annealing of Au-ion irradiated Au films, 23:34493
  Deposition of thin films under the influence of fast ion irradiation, 21:9651
  Ion energy spread of a universal high current ion source for ions from solids, 22:18048
  Radiation hardening of thin films during vacuum deposition, 22:45795
  Universal high-current ion source for ions from solids, 25:41154
KRIMSKII, G. F. Cosmic-ray distribution and the acceptance vectors of detectors. IV, 22:34317
KRINBERG, I. A. Calculation errors in photographic methods of spectrographic analysis, 23:37898
  Calculations of arc column in hydrogen and air atmosphere, 21:20980
  Charged-particle balance equations for the lower ionosphere, 24:12732
  Collisional-excitation cross section for the H atom, 24:25869
  Dependence of the ionization cross section of excited hydrogen atoms on the principal quantum number, 23:22930
  Determining reaction rate coefficients from ionospheric data, 25:16989
  Electron temperature anisotropy in lower ionosphere, 25:33131
  Estimate of the vibrational temperature relaxation time of nitrogen molecules in the ionosphere, 25:16917
  Radial distributions of main characteristics of plasma in column of free-burning electric arc, 25:7368
  Theory of electric arc column burning under conditions of natural convection. II, 23:10660
KRINGS, F. Comparison of measured and calculated disadvantage factors in spherical fuel elements, 24:41069
KRINITSYN, A. N. Charged π-meson photoproduction on nuclei at $E_\gamma = 560$ MeV, 25:59248
KRINNINGER, H. Measurement of the emissivity of austenitic steels for the sodium cooled fast breeder reactor, 25:52360
  Measurement of the total emissivity of austenitic steels, 25:16501
  Pulsed neutron method for non-destructive and simultaneous determination of the ^{235}U and ^{239}Pu, 23:43270
KRINSKY, Norman I. Resistance to radiation in bacteria, 22:4707
KRINSKY, Sam Exact bounds on transport coefficients, 25:6242 (NYO-1480-160)
KRINSKY, Samuel Crossing-symmetry sum rules applied to Brown and Goble's model for $\pi\pi$ scattering, 24:47436
KRIPCHENKO, I. P. Activity of cholinesterase in central nervous system of rats during x irradiation, 22:19241
KRIPPAEHNE, William W. Estimation of pulmonary shunt blood flow by constant infusion of radioactive xenon, 25:21773
KRIPS, H. Axioms of measurement theory, 23:27730
  Defense of a measurement theory, 25:17333
KRIPS, H. P. Fundamentals of measurement theory, 23:23307
KRIPSCHOT, R. H. Technology of liquid helium, 23:32270
KRIPYAKEVICH, P. I. Compounds Eu_2Ni_{17} and $EuNi_5$ and their crystal structures, 21:26857
  Compounds of Cr_5B_3 and Mn_5Si_3 types in rare-earth metal—gallium systems, 23:36126
  Compounds RAl_3 in rare earth—aluminum systems and their crystal structures, 22:6299
  Crystal structure of C-phase $V_3(Co_{0.57}Si_{0.43})_5$, 25:22201
  Crystal structure of $CeCo_3B_2$ and analogous compounds, 24:10178
  Crystal structure of $Nb_3Cr_4Si_6$, 23:33996
  Crystal structure of rhombohedrical modification of compound YAl_3, 21:4968
  Crystal structure of Zr_3Co, 24:44734
  Crystal structures of the compounds $LaAl_4$, $CeAl_4$, $PrAl_4$, and $NdAl_4$, 21:28783
  Crystal structures of $ZrCo_3B_2$ and $HfCo_3B_2$, 25:29992
  Crystalline structure of Sc—Zn system, 21:22891
  Investigation of phase equilibria and crystal structure of compounds in the system Ti—Fe(Co,Ni)—Si, 23:30183
  Laves phases in the scandium—iron system, 21:13202
  Phase equilibria in transition metal Group VA or VIA sub-groups with Si or B, 23:30178
  Results of x-ray spectral analysis of Ce, Pr, and Sm in Si, Ge, Al, Be, and Mg compounds, 21:35976
  RGa_2 compounds in rare-earth metal—Ga systems, 23:41654 (LA-tr-69-17)
  Tungsten-$6Fe_7$-type compounds in the Nb—Fe, Ta—Fe, and Ta—Co systems, 22:22253
  X-ray investigation of part of Al—Be—Ce system, 21:3515
KRISCH, A. D. Deeply inelastic proton—proton collisions, 24:8565
  Diffraction model for strong interactions and the shrinkage of the diffraction peak, 21:35314 (COO-1112-104)
  Diffraction model for strong interactions and the shrinkage of the diffraction peak, 22:13741
  Elastic proton—proton scattering at 90° and structure within the proton, 21:37675
  Inelastic proton—proton scattering at 12.5 GeV/c, 22:52932
  Large-angle pion—proton elastic scattering at high energies, 21:9719
  Measurement of $p + p \rightarrow \pi^+ + d$ at 90° and 5 GeV/c, 22:15674
  Measurement of π^-p elastic scattering at 180°, 22:11592
  Particle production at high transverse momentum, 22:48219
  Pion production at 12° and 15° in proton—beryllium collisions at 12.5 GeV/c, 23:23357
  Pion production in proton—proton collisions, 24:1509
  Pion, kaon, and antiproton production in center-of-mass in high-energy proton—proton collisions, 22:20128

  - Pion, kaon, and antiproton production in center of mass in high energy proton proton collisions, 22:39250 (CERN-68-7(Vol.2), pp 262-80)
  - Plot of all high-energy p—p elastic scattering data using particle identity, 22:3457
  - Possible reasons for a gaussian interaction probability density in high energy collisions, 22:39422 (COO-1112-154)
  - Production of pions, kaons, and antiprotons in the center-of-mass system in high-energy proton—proton collisions, 21:29440
  - Proton—proton elastic scattering at 90 deg and structure within the proton, 21:2366
  - Single particle distributions in high energy collisions, 24:24224 (ANL/HEP-6909, pp 114-49)
- KRISCH, H. Release of secondary electrons in low-pressure discharges by metastable N$_2$ molecules and their quenching by other gases, 22:9378
- KRISCH, H. M. Frequency conversion using weak multiply connected Josephson junctions, 22:29398
- KRISCH, J. P. Possible reasons for a gaussian interaction probability density in high energy collisions, 22:39422 (COO-1112-154)
  - Superconvergence relations for any spins, 22:37131
- KRISCH, Jean P. Possible origin for parity conservation in meson—nucleon scattering, 25:1542
- KRISCH, O. Quenching of luminescence of organic crystals by x rays, 25:41840
  - Spectrometer to investigate the energy distribution of fast neutrons, 22:4456 (JUL-499-RX)
- KRISCH, Robert E. Comparison of lethal effects of ^{32}P and ^{33}P decay in E. coli and in bacteriophages, 25:13612
  - Effects of radioisotope decay in bacteriophages, 23:45691 (ANL-7535, pp 6-7)
  - Genetic analysis of a large-cell, radiation-resistant strain of Escherichia coli, 24:42040
  - Large-cell radiation-resistant strain of E. coli. I, 23:45689 (ANL-7535, pp 1-3)
  - Large-cell radiation-resistant strain of E. coli. II, 23:45690 (ANL-7535, pp 3-5)
  - Radiation sensitivity of E. coli, 23:45967 (ANL-7535, pp 5-6)
- KRISCHER, W. Calibration, precision, and filtering questions for the CERN Spiral Reader, 25:13235 (CERN-70-21(Vol.1), pp 5-18)
  - CERN track-match program for vertex guidance bubble chamber measurement systems, 23:33519 (ANL-7515, pp 431-43)
  - Lucy, a CRT film measuring device, 25:13259 (CERN-70-21(Vol.1), pp 427-65)
  - Status of CERN—RHEL minimum guidance, 23:33518 (ANL-7515, pp 421-30)
  - Status of the HPD minimum guidance programs at CERN, 25:13278 (CERN-70-21(Vol.2), pp 737-52)
- KRISCHER, Wolfgang Optical device for the determination of the symmetry and surface conditions of the inside of tubes, 22:23385
- KRISCHKE, H. Directions for recording of damages, 25:23229
- KRISCIOKAITIS, R. Spin-polarized electron source, 24:38006
- KRISCIOKAITIS, R. J. Magnetic bottle with electrodes for trapping low energy electrons, 21:38001
  - Post-focusing accelerator for $\pi\sqrt{2}$ spectrometer, 22:10587
- KRISCIOKAITIS, Raymond J. L- and K-Auger spectra of ^{113}In from ^{113}Sn, 22:2809
- KRISE, G. M. Effects of single, continuous, and fractionated gamma irradiation on semen quality in albino rats, 22:10868
- KRISE, George M. Toxic effects of alloxan in irradiated rats, 22:36319
- KRISHAN, S. Amplitude dispersion in the electromagnetic modes, 25:33351
  - Explosive plasma instabilities, 23:39495 (ORNL-TM-2652)
  - Explosive plasma instabilities, 24:6569
  - Explosive plasma instabilities, 25:5109
  - Generation of transverse waves by nonlinear wave—wave interaction, 23:23219
  - Linear and nonlinear collisional processes in a plasma, 25:19687
  - Oscillations of an inhomogeneous cylindrical plasma column, 21:33438
  - Stabilization mechanism for the ion acoustic instability, 25:25185
  - Three-wave interaction and nonlinear wave-particle scattering, 25:33350
  - Wave—wave interaction among transverse plasma oscillations, 22:29521
- KRISHAN, Som Interaction between longitudinal and transverse plasma waves, 22:13473
- KRISHBERG, R. R. Calculation of electromagnetic field in channel of MHD generator, 24:47073
  - Characteristics of an ideal inductive MHD converter, 23:27413
  - Characteristics of induction MHD machine in different regimes, 25:45326
  - Electromagnetic fields in an induction magnetohydrodynamic device with extendable channel, 25:55939
  - Self-excitation of asynchronous machines with increased nonmagnetic gap, 25:45327
- KRISHER, Lawrence C. Microwave spectrum of acetic acid, CH$_3$COOH and CD$_3$COOH, 25:51443
  - Microwave spectrum of bromostannane, SnH$_3$Br, 25:51444
- KRISHINA SWAMY, K. S. Thermal emission by particles in NGC 7027, 22:17252
- KRISHMAMURTHY, K. Cellulose acetate butyrate dosimeter, 23:35531
- KRISHNA, C. S. Rigidity spectrum of cosmic-ray helium nuclei, 22:31667
- KRISHNA, G. Rama Modified Nilsson orbitals and their applications in analysis of (d,p) reactions on rare earth nuclei, 22:32649
- KRISHNA, U. Murali New spot test for Ce(IV), 23:40550
- KRISHNA, V. G. Prog. rpt., annual, 1/31/70, 24:13664 (COO-1792-4)
- KRISHNAIAH, R. Three-dimensional analysis of an MHD generator, 24:49049
- KRISHNAMACHARI, S. L. N. G. Infrared spectra of borazine and isotopic species. Assignment of a$_2$'' fundamental modes, 21:30418
- KRISHNAMONY, S. Monitoring of the working environment in a fuel reprocessing plant, 23:48067
  - Radiological protection problems at a radiochemical plant, 24:31661
- KRISHNAMOORTHY, C. R. Interaction of Th(IV) and U(VI) with adenine, 24:50364 (CONF-690916-(Vol.1), pp 224-32)
- KRISHNAMOORTHY, P. N. Methods of effluent control in nuclear plants, 25:28623
  - Monitoring for radiation accidents, 24:7862
  - Personnel monitoring for radiation accidents, 25:10885
  - Radiological protection in developing countries, 25:46875
- KRISHNAMOORTHY, T. M. ^{234}U/^{238}U as tool for dating marine sediments, 25:51629
  - Calculation of allowable specific activities in marine fishes, 25:21554
  - Microdetermination of Zr in marine environment, 23:33154
  - U disequilibrium in Arabian Sea, 22:45206
- KRISHNAMOORTHY, T. S. Determination of total hydrogen content of UO$_2$ pellets, 25:28912 (BARC-500)
  - Vacuum fusion technique for gases in metals, 21:35834 (BARC-277)
- KRISHNAMURTHI, M. Ionospheric absorption studies based on cosmic noise data, 21:39874
  - Method of obtaining mean electron collision frequencies in F2 layer from cosmic noise absorption studies, 21:39875
- KRISHNAMURTHI, S. Chemical sensitizations in radiotherapy of carcinomas, 21:26481
  - Combined therapy in buccal mucosal cancers, 25:37854
- KRISHNAMURTHI, T. N. Maximum permissible concentrations of fission product mixtures in air and water for occupational exposure, 24:46620 (AEET/HP/TH-15(Rev.))
- KRISHNAMURTHY, B. V. Behavior of the topside ionosphere during a great magnetic storm, 22:34432
  - Behavior of the topside ionosphere during a great magnetic storm, 22:36805 (N-68-10976)
  - Daily response of upper F region to changes in temperature and geomagnetic activity, 22:19872
  - Response of upper atmospheric temperature to changes in solar EUV radiation and geomagnetic activity, 22:36802 (N-68-10358)
  - Response to upper atmospheric temperature to changes in solar euv and geomagnetic activity, 22:24164
  - Storm-time whistler cutoff and the magnetospheric ring current, 22:17483
- KRISHNAMURTHY, G. T. /sup 99m/Tc technetium sulfide and scintillation camera in rapid diagnosis of pericardial effusion, 25:55295
  - Demonstration of collateral pathways after superior vena caval obstruction with the scintillation camera, 25:26844
  - False-positive pulmonary photoscans obtained with a dual-probe detector system, 25:11207
  - Scintillation camera in the dynamic evaluation of renal disorders, 25:19046
  - Ureteral kinking and hydronephrosis in a transplanted kidney mimicking the rejection phenomenon, 25:13490
  - Whole-body and renal clearance of ^{203}Hg-chlormerodrin, 25:16253
- KRISHNAMURTHY, K. Applications of radioisotopes and radiation sources in industry, radiation processing, and hydrology, 25:51612 (A/CONF.49/P-539)
  - Calibration and characterisation of the cobalt-60 product box irradiator at Fiply, 25:21229 (BARC/I-46)
  - Radiotracer study on flow path of seepage in the coffer dams at Srisailam, 21:28084
  - Tabulated dose distribution data for gamma irradiator design, 24:25160 (BNL-50147)
  - Tabulated dose distribution data for gamma irradiator design, 25:41957 (BNL-50147(Rev.))
  - Tabulated dose uniformity ratio and minimum dose data for gamma irradiator design, 24:25159 (BNL-50145)
  - Tabulated dose uniformity ratio and minimum dose data for gamma irradiator design, 25:29250 (BNL-50145(Rev.))
- KRISHNAMURTHY, K. V. Induced mutation in N. tabacum, 21:16328
- KRISHNAMURTHY, Krishnaswamy FUDGE 4A: computer program for gamma dose rate distribution from rectangular sources, 23:26452 (BNL-50126)
- KRISHNAMURTHY, M. V. ESR of irradiated o-toluidine hydrobromide, 21:10394
  - ESR study of irradiated single crystal of p-toluidinium chloride, 25:13051
- KRISHNAMURTHY, Manickam Synthesis and properties of certain uranyl aminopolycarboxylates, 24:5650
- KRISHNAMURTHY, N. Three-dimensional finite element analysis of thick-walled vessel-nozzle junctions with curved transitions, 25:46580 (ORNL-TM-3315)
- KRISHNAMURTHY, T. N. Maximum permissible concentrations of fission product mixtures in air and water for occupational exposure, 22:6812
- KRISHNAMURTHY, V. Distribution of global and net radiation over the Indian Ocean and its environments, 22:40265
  - Use of absolute error on data points in least squares analysis, 21:15646 (CONF-660221-, pp 360-5)
- KRISHNAN, A. Bibliography on diffusion in solids, 24:39600 (NP-18297(Pt.1))
- KRISHNAN, C. A. Nuclear explosion data from Gauribidanur array, 25:21215 (BARC/I-64)
- KRISHNAN, C. S. Electrical conductivity in cubic Y$_2$O$_3$—ZrO$_2$ solid solutions, 25:14476
- KRISHNAN, C. V. Enthalpies of alkylammonium ions in water, heavy water propylene carbonate, and dimethyl sulfoxide, 25:2162
  - Ion-exchange separation of alkali metal ions from polyvalent cations and their determination in silicate ores, 22:37866
  - Solvation enthalpies of various ions, 24:4296
  - Solvation enthalpies of various ions in water and heavy water, 24:31310
  - Solvent-isotope effect in the enthalpy of some solutes in methanol, 25:15618
  - Vacuum fusion technique for gases in metals, 21:35834 (BARC-277)
- KRISHNAN, D. Neutron personnel monitoring: correction factors and a suggested device for measuring intermediate energy neutrons, 23:35528
- KRISHNAN, L. V. Iterative solution of the coupled integral equations in criticality computations, 21:23400
  - Safety in design of radiological laboratories, 24:31542
- KRISHNAN, R. Internal fields at the two sites of the spinel system Ni/sub 1 + x/Ge/sub x/ Fe/sub 2 2x/O$_4$ by Moessbauer effect, 22:17769
  - Observations on morphology and fine structures of zirconium martensites, 25:37968
  - Stacking fault probability determination from peak shifts in plastically deformed thorium, 22:19568
  - Stacking fault probability determination from peak shifts in plastically deformed thorium, 22:21716 (BARC-298)
  - Transmission electron microscopic studies of cold-rolled zirconium, 25:27245 (INIS-mf-15)
  - Transmission electron microscopic studies of cold-rolled zirconium, 25:45086
  - X-ray diffraction effects arising from stacking faults in alpha uranium, 23:8207 (BARC-343)
  - X-ray diffraction effects arising from stacking faults in alpha uranium, 23:48466
  - X-ray study of cold worked bcc tantalum—niobium and tantalum—molybdenum alloys, 25:24593 (INIS-mf-17)
  - X-ray study of cold worked bcc tantalum—niobium and tantalum—molybdenum alloys, 25:45087
  - X-ray-studies on cold-worked HCP metals and alloys, 22:11000
- KRISHNAN, R. N. Potentiometric titrations of Yb(II) in liquid ammonia at room temperature, 25:51423 (CONF-711001-(Vol.1), pp 315-21)
- KRISHNAN, S. S. Case applications of Forensic Activation Analysis in Canada, 22:30451
  - Determination of gunshot firing distances and identification of bullet holes by neutron activation analysis, 21:45041
  - Determination of phosphides and white phosphorus in biological materials by neutron activation analysis, 24:25018
  - Distance determination of gunshot firings by neutron activation analysis, 22:16402 (GA-8171, pp 177-88)
  - Estimation of arsenic in biological materials by neutron activation analysis, 21:3005
  - Firing distance determination by neutron activation analysis, 22:33255
  - Kinetic isotopic exchange studies of metal ion substitution in EDTA chelates. I, 21:10357
  - Kinetic isotopic exchange studies of metal ion substitution in EDTA chelates. II, 21:10358
- KRISHNAN, T. Crab Nebula at 1420 MHz, 22:855
- KRISHNAN, T. S. Preparation of zirconium metal powder by calciothermic reduction of zirconium oxide, 22:43557
  - Spectrographic analysis of impurities in sodium chloride, 21:35837 (BARC-284)
  - Spectrographic determination of alloying elements in zircaloys, 22:22926 (BARC-312)
  - Spectrographic determination of rare earths in sodium chloride, 21:35836 (BARC-283)
- KRISHNAN, V. Studies on monodentate complexes of titanyl, zirconyl, and thorium perchlorates, 23:33199
- KRISHNASWAMI, R. Effects of ionizing radiation in Nicotiana rustica, 22:49303
  - Mutation induction by EMS in autotetraploid barley, 22:51498
  - Radiation-induced dwarf mutant in barley, 21:34818
  - Relationship between response to radiations and nature of polyploidy in some crop plants, 25:27087
- KRISHNA SWAMY, K. S. Analysis of Hyades giant stars epsilon and γ Tau, 24:46893
  - Analysis of profiles of strong lines in three F and G subdwarfs, 22:29017
  - Analysis of subdwarf HD 25329, 23:8378
  - Atmospheres of extreme metal-deficient stars, 23:41775
  - Atmospheres of metal-deficient stars: main-sequence stars, 23:39106
  - Atmospheres of metal-deficient stars, 25:11546
  - Atmospheric structure of cool stars with particle opacity, 25:832
  - Calculated H/sub γ/ profiles of Searle and Oke, 22:21831
  - Circumstellar dust model for infrared stars, 25:16629
  - Comparison of convective model atmospheres of Epsilon Eridani and GMB 1830, 22:11137
  - Convection in normal stars and metal-deficient stars, 23:34131
  - Emission feature of silicate material at 30 μm, 25:19330
  - Extinction by interstellar grains, Mie particles, and polycyclic aromatic molecules, 23:48678
  - Formation of planetary nebulae, 24:17444
  - Infrared radiation from interstellar grains, 24:23691
  - Line blanketing in stars, 23:10348
  - Profiles of strong lines in two Hyades F stars, 21:6931
  - Question of interstellar silicate absorption, 24:23704
  - Solid-hydrogen-coated graphite particles in interstellar medium. I, 23:39255
  - Temperature of interstellar grains, 22:31570
  - Thermal emission from grains in H-II regions, 25:11583
  - Thermal emission from grains in the galactic center, 25:40289
  - Thermal emission from planetary nebulae, 23:22742

KRISHNASWAMY, M. R. Cosmic ray angular distribution underground at 1500 hg/cm^2 (Kolar), 22:47857
Kolar gold fields neutrino experiment. I, 25:45318
Kolar gold fields neutrino experiment. II, 25:45319
Multiple muon events observed underground, 25:14060
KRISHNASWAMY, N. Colorimetric reagent for Pd and Mo, 24:26930
Properties of hydrous oxide inorganic exchangers, 25:48592
KRISHNA SWAMY, S. Cosmic ray produced ^{28}Mg, ^{31}Si, ^{38}S, ^{38}Cl, /sup 34m/Cl, and other short lived radioisotopes in wet precipitation, 21:6058
Isotopes of U and Ra in Indian rivers, 23:49942
Kolar Gold Field neutrino experiment, 24:15454 (CERN-69-28, pp 81-93)
Rapid beta gamma coincidence technique for determination of natural radionuclides in marine deposits, 25:39616
Ratios ^{234}Th/^{238}U in ocean, 23:33282
Thorium-234 disequilibrium in ocean, 22:49182 (TID-24637)
Uranium-234 activity ratios in South Pacific ocean waters, 24:50473
KRISHNASWAMY, S. V. Atom-probe FIM studies of V, Re, and Cu—Be alloy, 25:697
KRISHNASWAMY, V. Calculation of the dose distribution about ^{252}Cf needles in tissue, 25:19003
KRISHNASWAMY RAJU, Prativadibhayankaram Formation of solar prominences, 21:33105
KRISHTAFOVICH, A. A. Beta-probe for radiometry of malignant neoplasms of lungs, 24:50576
Diagnosis of malignant neoplasms of lungs, 25:539
KRISHTAL, M. A. Diffusion mobility of Mo, Mn, and Si, 23:27074
Inelastic phenomena in molybdenum due to diffusion, 23:27115
Properties and structure of deformed and annealed Mo, 22:706
Track autoradiography for the study of the microdistribution of certain elements in metals, 25:8235
KRISOR, K. Search for fractionally charged particles in showers, 24:32951 (PITHA-36)
Search for fractionally charged particles in showers of low density, 24:32952
Search for particles with partial charge in showers, 25:52989 (PITHA-48)
Wall-less proportional counter hodoscope with a computer on-line, 23:43533
KRISS, J. P. Technetium-99m (V): citrate complex for estimation of glomerular filtration rate, 21:45715
Technetium-99m labelled toluidine blue O for liver scintillography, 23:6523
KRISS, Joseph P. Alterations in serum thyrotropin (TSH) and thyroid function following radiotherapy in patients with malignant lymphoma, 25:42695
Combined superior vena cava obstruction and pericardial effusion, 24:17081
Diagnosis of pericardial effusion by radioisotopic angiocardiography, 24:12145
Distribution and scintiphotography of /sup 99m/Tc-MAA thionin, 24:14538
Radioisotopic angiocardiography: findings in mitral stenosis and mitral insufficiency, 25:11187
Variable time-lapse videoscintiscope, 24:14258
KRISS, M. Size effects in He II as measured by fourth sound, 25:17054
Superfluid Helmholtz resonators, 22:48044
KRISS, Michael Allen Size effects in liquid helium II as measured by fourth sound and the attenuation of fourth sound, 24:32781
KRISTAK, J. Determination of isotopic ratio ^{235}U/^{238}U by activation analysis, 23:31313
Radioactive decay of ^{85}Kr, 24:22121
KRISTAN, J. Radiation monitoring and protection system for reactor Triga Mark II, 21:25717 (NIJS-R-494)
Radiochemical determination of ^{137}Cs, ^{89}Sr, ^{90}Sr, and ^{140}Ba in milk and bone ash, 24:18907
KRISTAPSON, Ya. Zh. Radiation colloidal centers in alkali halide crystals, 24:45326
Temperature dependence of radiation colloid production in KCl crystals, 25:14429
KRISTENSEN, H. I. Irradiation and otosclerosis, 21:22567
KRISTENSEN, H. K. Irradiation and otosclerosis, 21:22505
KRISTENSEN, I. K. Electrical transport properties in NbO_2—VO_2, 24:6643
KRISTENSEN, Knud Hospital radium accident, 23:14205
Pharmaceutical and radiation hygiene problems in relation to radiopharmaceuticals, 23:14190
Pharmaceuticals and radiation hygiene problems, 21:24450
KRISTENSEN, Lis Vinther Arsine determination in biological material by activation analysis, 23:28756
KRISTENSEN, P. Linear transformations of field operators, 21:11805 (NP-16460)
KRISTENSSON, Krister Radiation lesions of spinal cord, 22:10850
KRISTI, N. M. Linear proton accelerator I-2. VI, 22:32400
KRISTIAN, J. Infrared and optical measurements of the Crab Pulsar NP 0532, 23:34191
Observations of pulsar NP 0532 in Crab Nebula, 23:30248
Optical identification of cygnus x-1, 25:52543
Optical polarization and intensity of the pulsar in the Crab Nebula, 25:7015
Unusual infrared object IRC+10216, 24:8259
KRISTIAN, Jerome Central star: photometric optical observations, 24:35087
Cosmological distortion effect, 21:20682
Gaps in the giant branch of the globular cluster M15, 22:43847
Limits for optical counterparts of fifteen radio pulsars, 25:9061
Nature of candidate star for pulsating radio source CP 1919, 23:14508
Optical identification of Vela pulsar: photoelectric measurements, 25:7001
Optical image of 3C 287, 22:36682
Photometric and spectroscopic variations of Cyg X-2, 22:4971
Precise positions of radio sources. II, 25:7017
Precise positions of radio sources. III, 25:7013
Rapid changes in the optical intensity and radial velocities of the x-ray source Sco X-1, 22:52396
Results of five nights of continuous monitoring of the optical flux from Sco X-1, 23:36328
Spectra of white dwarfs with circular polarization, 25:58447
Upper limit for optical luminosity of pulsating radio sources CP 0950 and CP 1133, 23:5144
KRISTIANPOLLER, N. Effects of x irradiation on the ionic conductivity of doped SrF_2 crystals, 25:36304
KRISTIANSEN, G. B. Fluctuations of the energy flux of nuclear-active particles in extensive air shower cores, 22:13277
Generation and interactions of high-energy muons, 24:21969
KRISTIANSEN, G. K. Iterative method for determination of a minimal eigenvalue, 22:32472
KRISTIANSEN, Gundorph Kjeldgaard Tables related to the mean square chord length in right parallelepipeds, 21:33866
KRISTIANSEN, M. Conference on thermonuclear fusion reactor design, 6/70, Lubbock, Tex, 25:3130 (ORO-1171-1)
Evaluation of Faraday shielded Stix coils for heating of plasma, 21:731
Global temperature effects of the use of fusion energy and the fusion torch, 25:58956
Inexpensive, fast on—off, high power, pulsed rf amplifier, 25:7362
Prog. rpt. on harmonic ion cyclotron wave propagation and plasma heating, 11/15/69, 24:8428 (ORO-3778-2)
Prog. rpt. on heating for thermonuclear power, annual, 5/70, 25:47495 (AD-714619)
Stop- and pass-bands for harmonic ion cyclotron waves, 23:18703
Wave propagation and damping in a hot, bounded plasma, 25:52863 (ORO-3778-6)
KRISTIANSEN, Magne Experimental investigation of harmonic ion cyclotron wave propagation and attenuation, 21:18691
High-power rf plasma heating and wave propagation near the fundamental and harmonics of the ion cyclotron frequency, 21:46315
KRISTIANSON, Bryant N. PTHISTRY: code for predicting long-term pressure—temperature history in secondary containment of water-cooled reactors following accident-induced blowdown, 22:50837 (ANL-7455)
TRANTEMP: code for calculating transient temperature distributions in reactor hydraulic rabbit facilities, 23:26067 (ANL-7496)
KRISTIANSSON, A. A photometric device for the identification of multiply charged particles stopping in nuclear emulsions, 22:19111
KRISTIANSSON, K. Composition of low energy primaries with Z greater than or equal to 9 in cosmic radiation, 24:47049
Energy spectrum of primary cosmic ray He nuclei, 23:42009
Isotope analysis with nuclear emulsions, 25:55894 (LUIP-CR-71-4)
Isotopic composition of cosmic ray carbon, 24:44317
Photometric mass determination in nuclear emulsion on cosmic ray carbon. I, 25:18643 (NP-18672)
Relative abundance of ^{12}C and ^{13}C in primary cosmic radiation, 24:37285
KRISTINSSON, Haukur Correlation between photochemistry and high-energy radiation chemistry, 23:9472
KRISTMAN, M. G. Incorporation of radioactive amino-acids in the α and β polypeptide chains of hemoglobin in systems of varying complexity, 22:18860
KRISTOFERSON, L. Electric probe measurements in a moving and magnetized plasma, 25:19659
KRISTOFERSON, Lars Solar wind interaction with the Moon, 23:12493
KRISTOFF, J. High temperature behavior and long-term stability of lithium drifted silicon surface-barrier detectors, 21:10661
KRISTOFF, J. J. Cosmic-ray telescope employing detectors in the shape of a spherical segment, 23:16115
Silicon detectors aboard surveyor V, 22:14793
KRISTOV, V. Spectra and doses of neutrons from reactors, 23:49314
KRISYUK, E. M. Body burden of ^{137}Cs and potassium among population of USSR, 1962—66, 22:33804 (A-AC-82/G/L-1193)
Calculation of depth doses of long-wave roentgen radiation, 22:49356
Cesium-137 and K in population of USSR, 25:16069 (AEC-tr-7214, pp 126-42)
Cesium-137 from global fallout in foodstuffs and human organism, 25:13340 (NP-18382)
Cesium-137 from global fallout in foodstuffs and the human organism, 25:39851 (AEC-tr-7232, pp 1-26)
Content of ^{137}Cs in population of Soviet Union, 25:42376
Dependence of the maximum permissible dose on the energy of x-ray or gamma-irradiation, 22:6819
Determination of specific release of radon by protective enclosures in premises, 25:26356
Lead-210 and ^{210}Po in Arctic regions of northeast, 24:12032 (AEC-tr-7128, pp 180-93)
Standards for natural radioactive substances in building materials, 23:13967 (TT-67-51409/4, pp 387-92)
KRISYUK, I. T. Anisotropy of fission neutron emission, 25:1777
Distribution of excitation energy between fission fragments, 24:11019
Problems on separation of zirconium from the sum of fission fragments, 21:17721
Search for delayed neutron precursors among the noble gases, 23:40054
KRITALUGSANA, Sompool Manganese toxication in the human body determined by activation analysis, 23:7451
KRITCHEVSKY, D. Influence of heavy water (D_2O) on the multiplication of Adeno and Mengo virus, 22:23688
KRITHAYAKIERN, V. Effect of gamma radiation upon life expectancy and reproduction in the house cricket, Acheta domesticus (Orthoptera: gryllidae), 25:16288
KRITHIVAS, G. Neel and Curie temperatures for crystal structures of cerium and praseodymium, 25:47639
KRITIKOS, H. N. Electromagnetic reflectivity of nonuniform jet streams, 21:44076
KRITSKAYA, D. A. Calorimetric study of radiation polymerization of solid acrylonitrile in temperature range from 80 to 180°K, 22:33416
Kinetics for the radiation polymerization of solid acrylonitrile in the regions of phase transitions, 25:18440
Radiation-chemical calorimeter (on the use of calorimetry in radiation chemistry), 22:33421
KRITSKAYA, V. K. Anomalous behavior of carbon atoms at low temperatures in martensite irradiated by electrons, 25:13729
Changes in hardness of neutron-irradiated chromium during annealing and deformation, 21:31064
Metals and alloys irradiated by neutrons, 24:8163
Ordering processes in martensite irradiated with neutrons, 23:46097
Radiation aging of chromium, 25:13730
State of carbon in martensite as influenced by electron bombardment, 25:2764
KRITSKII, G. A. Changes in properties of bone-marrow DNA after x irradiation in vivo, 21:8712
Nucleic acid fractions in marrow of irradiated rabbits, 21:34610
Nucleotide composition of DNA fractions of bone marrow in normal and x-irradiated animals, 22:33737
Procedures for determining changes in DNA of irradiated organism, 25:29637
Pyrimidine nucleotide blocks of DNA fractions of bone marrow, 23:45655
Pyrimidine nucleotide blocks of dna under the influence of ionizing radiation on the animal organism, 24:11947
KRITSKII, V. A. Oscillations of excitation function of He resonance line in collisions of Na^+ ions with He, 25:7165
KRITT, Brian Time dependent continuity equation for ion density in ionospheric F2 layer, 22:36803 (N-68-10387)
KRITZ, A. H. Collision integral for a plasma in a strong magnetic field, 21:29240
KRITZ, Arnold H. Evolution of probability distributions and of correlation functions in Bogolyubov plasma, 22:34666
Kinetic theory of plasma, 23:25332 (AD-678577)
KRITZINGER, H. H. Hypothetical trans-Neptunia planets, 24:18864 (UCRL-Trans-10431)
KRIUKOV, P. G. Neutron emission from lithium deuteride surfaces, 23:14829
KRIVA, J. Foam separation of radioruthenium, 25:238
Self-diffusion coefficients of ^{106}Ru and ^{106}RuNO in ionic and colloidal states, 24:20776
Self-diffusion of race concentrations of ^{144}Ce, ^{147}Pm, and ^{155}Eu in water solutions, 25:6325 (UJV-2467-Ch)
Separation of radioruthenium, 23:26331
KRIVAN, V. Analysis by release of radioactivity by inorganic ion-exchange and ring oven technique. I, 24:11462
Excitation function of ^{59}Co(n,p)^{59}Fe, 25:45998
Fundamentals of analytical use of reversed scattering of β radiation, 22:25266
Isotope dilution analysis in the micro and submicro-range by double-labelling and precipitation on paper, 23:35000
Radio-release technique for determining traces of elements, 25:51399
Radiochemical separations. V, 24:7489
Study of corrosion damage by means of β-backscattering, 23:36000
Substoichiometric isotope dilution analysis in the microgram and submicrogram ranges by precipitation reactions on filter paper, 23:13652
Use of radioactively labeled silver to determine metals, 23:21654
KRIVAN, Viliam Chemical analysis based on alpha scattering, 24:9246
Contribution to the determination of total coefficients of beta backscattering, 22:20694
KRIVANEK, M. Acceleration of $^3He^{++}$ ions in U-120 cyclotron, 22:15882 (UJV-1898)
Acceleration of protons in U-120 cyclotron, 21:44476 (UJV-1848)
Determination of chromium in blood by neutron activation analysis, 23:17376
Determination of major and trace elements in soils, 24:43973
Determination of mercury by activation analysis, 22:25317
Determination of some impurities in gallium by neutron activation, 22:42614
Determination of Tl and Pt by activation analysis, 23:4547
Dithizone as a stationary phase in reversed-phase chromatography used in activation analysis, 25:31857
Energy variation of ^{120}U cyclotron, 21:17219 (UJV-1640)
Experience with national system of accounting for and control of nuclear material in Czechoslovak Socialist Republic, 25:51751 (A/CONF.49/P-558)

Extraction of uranyl acetate and sulphate by triisooctylamine, 24:44081
Extractive radiometric titration as method of checking extraction of gold, 23:40576
Magnetic field for elliptical ion trajectories, 22:9721 (UJV-1854)
Methods for production of carrier-free ^{52}Mn and ^{54}Mn, 21:21975
New form of exploitation of cyclotron U-120, 22:29810
Separation of Co from mixtures of Fe radioisotopes, 24:16643
Substoichiometric determination of platinum by activation analysis, 22:14454
KRIVANEK, Miloslav Use of thenoyltrifluoroacetone for the determination of manganese by activation analysis, 21:12343
KRIVANKOVA, M. Inactivation and repair of polyvalent Staphylococcus phages after uv- or gamma-irradiation or acridine orange treatment. II, 24:42032
KRIVCHENKOVA, V. S. Cross sections for excitation and quenching in 2p^{5}nd and 2p^{5}np configurations of neon, 22:29216
KRIVELEV, G. P. Comparison of the point and space kinetics models in a uranium—hydride reactor, 24:43844 (FEI-177)
Neutron lifetime measurement, 23:11293 (RCN-98, pp 219-28)
Semi-statistical method of effective delayed neutrons fraction measurement, 21:19279
KRIVELEV, L. P. Measurement of absolute reactor power and effective fraction of delayed neutron, 23:11294 (RCN-98, pp 229-38)
Neutron detectors frequency responses, 23:9700 (RCN-98, pp 161-80)
KRIVENKO, E. V. Diagnosis and radiotherapy of thrombophlebitis, 25:16238
KRIVENKO, V. G. Investigation of the structure of paramagnetic centers and their photochemical transformations in γ-irradiated monocrystals of cysteine hydrochloride, 24:41371
Photochemical conversions of paramagnetic centres in γ-irradiated monocrystal of l-cystine dihydrochloride, 25:4091
Structure of paramagnetic centres in monocrystals of γ-irradiated L-cystine dihydrochloride on exposure to light, 23:12978
KRIVENKOVA, P. G. Radiation-catalytic activity of diamond and graphite, 24:38960
Radiation-catalytic transformation of methanol in the adsorption layer on silica gel samples varying in specific surface area, 21:34290
KRIVENTSOVA, A. G. Investigation of reactions $\pi^- + p \rightarrow \pi^+ + \pi^- + m\pi^0 + n$ and $\pi^- + p \rightarrow 2\pi^+ + 2\pi^- + m\pi^0 + n$ at π^--meson momentum 4 GeV/c, 21:31535
Investigation of the $\pi^-p \rightarrow \pi^+ + \pi^- + m\,\pi^0 + n$ and $\pi^-p \rightarrow 2\,\pi^+ + 2\,\pi^- + m\,\pi^0 + n$ reactions at 4 Gev/c π^--meson momentum, 21:876 (JINR-P-2885)
KRIVENYUK, V. V. Creep and durable strength of molybdenum at high temperatures, 25:49434
Creep and strength at elevated temperatures of VN-2 alloy, 25:24588
KRIVETS, V. P. Nonadiabatic motion of particles including dissipation, 25:33487
Plasma heating and compression when motion of particles is nonadiabatic, 24:21755
KRIVINE, H. Isotopic variation of nuclear dimensions deduced from phase-shift parameters of elastic scattering of α particles at 44 MeV, 22:16052
KRIVISKII, A. S. Action of mutagens on phage MS2 and its infective RNA. II, 24:34785
Comparative study of mutagenic effect of uv-radiation on extracellular phase phiX174 and its infectious DNA, 22:45497
Dose—effect curves under UV irradiation of phage S/sub d/, 24:48517
Effects of UV-irradiation and hydroxylamine on extracellular bacteriophage, 24:48500
Induction of temperature-sensitive mutants in extracellular bacteriophage AR1 by uv-radiation, 23:2807
Influence of chemicals on lethal and mutagenic effects of uv-light on extracellular bacteriophage C/sub d/, 25:37903
Lethal and pre-mutational damages induced by uv-radiation in temperate phage AR3 of Bacillus subtilis and on their reparation by host cells, 23:16442
Molecular nature of the nonlethal, nonhereditary injuries to bacteriophages due to uv irradiation, 22:51321
Mutagenesis in course of genetic transformation of Bacillus subtilis and effect of x irradiation of transforming DNA, 22:45496
Mutagenic action of x-rays on phage lambda, 24:48493
Mutant of Bacillus subtilis synthesizing riboflavin, 23:22263
Production of partial diploids in bacteriophage, 22:40625
Reactivation of premutational lesions in uv-irradiated extracellular bacteriophage lambda, 24:51111
Reparation, by host-cells, of mutational and lethal lesions induced by uv-irradiation of extracellular bacteriophage, 23:6420
Single burst analysis of the mechanism of appearance of uv induced mutations in extracellular bacteriophage, 21:18193
KRIVISKII, Alexander S. Radioprotective action of Versene on gamma irradiated bacteriophages, 25:58032
KRIVIT, William Local irradiation after bone marrow remission in acute leukemia, 21:45681
Stable isotopes as biological tracers, 23:11964 (CONF-671111-, pp 501-14)
KRIVITSKAYA, G. N. Accelerated aging of fiberglass plastic, 24:6292
KRIVITSKII, M. D. Radioactivity of rocks in connection with influence on development of pneumoconiosis, 22:45683
KRIVKO, A. I. Phase diagram of the niobium—tin system, 21:9514
KRIVKO, N. I. Localized magnetic moments in Nb—Co and Zr—Co alloys, 23:44552
KRIVOGLAZ, M. A. Effect of order-disorder phase transition on probability of Moessbauer effect in solid solutions, 22:34763
Moessbauer spectra in nonideal crystals, 21:25202
Theory of diffusional broadening of the Moessbauer line in nonideal crystals, 21:16990
Theory of x-ray and thermal neutron scattering by real crystals, 21:31495
KRIVOGLAZ, Mikhail A. Theory of x-ray and thermal-neutron scattering by real crystals, 23:44501
KRIVOHATSKII, A. S. Measurements of thermal neutron flux and cadmium radio by gold activation, 21:14452
KRIVOKHATSKII, A. S. Cross sections and resonance capture and fission integrals of long-lived americium isotopes, 22:14004 (BNL-tr-175)
Decay of ^{242}Am, 23:49431
Emission of energy during radioactive decay of number of transuranic isotopes (^{238}Pu, ^{242}Cm, ^{244}Cm, and ^{252}Cf), 22:32622
Moessbauer spectrum of ^{237}Np after α decay of ^{241}Am in Th lattice, 23:5459
Peculiarities of loop production of berkelium in reactors, 24:245
Preparation of ^{238}Pu by the neutron irradiation of ^{235}U and ^{237}Np, 22:18851
Production of ^{228}Th and ^{232}U by neutron irradiation of ^{231}Pa, 25:15699
Production of transuranium and actinide elements by neutron irradiation, 25:6381
Radiochemical determination of yields of rare earth elements during fission of ^{239}Pu and ^{241}Pu by slow neutrons. I, 25:15690
Radiochemical determination of yields of rare earth elements during fission of ^{239}Pu and ^{241}Pu by slow neutrons. II, 25:15689
Some properties of γ emission accompanying spontaneous fission of ^{252}Cf, 24:1851
Spectra of fission neutrons of ^{244}Cm, ^{242}Pu, and ^{239}Pu, 23:37214
KRIVOKONEVA, G. K. Phase transformations of brannerite during heating, 25:13128
KRIVONISHCHENKO, I. A. Definition of nondimensional groups for similarity of MHD phenomena, 22:31688
KRIVONOS, Yu. G. Stationary problem of cylindrical magnetoacoustic wave scattering by an ideal conducting cylinder, 25:35941
KRIVONOSOV, G. A. Ionization collisions and Li$^+$, Li^{2+}, and Li^{3+} ion charge exchange in gases (0.2 to 2 MeV), 24:47029
Multielectron ionization in close collisions of Ar and Kr ions and atoms, 22:13238
KRIVONOSOV, L. B. Investigation of Ho_2O_3—Nb_2O_5 system, 24:27892
KRIVONOSOV, Yu. I. Cladding of steel with niobium by vacuum rolling, 21:16578
KRIVONOZHNIKOVA, L. G. Conditions for cerium sorption by chromatographic paper modified with carboxylic acids for its determination by the peroxide method, 25:57331
KRIVOPUSTOV, M. Annular polarimeter for measurements of nucleon polarization, 24:11817
Investigation of ^{145}Eu emissions, 22:18219
KRIVOPUSTOV, M. I. Application of polarimeter with annular analyzer for investigation of proton polarization from nuclear reactions, 22:4500 (JINR-P15-3504)
Investigation of proton polarization in reaction $^{12}C(^3He,p_0)^{14}N$, 25:3563 (JINR-P15-5156)
Proton angular distributions from reaction $^{12}C(^3H,p)^{14}N$, 24:13279 (JINR-P15-4801)
Proton polarization in $^{12}C(^3He,p)^{14}N$(g.s.) reaction at 2.4 and 3.6 MeV, 25:53640
KRIVORUCHKO, P. P. Effect of impurities on the decomposition of solid solutions with a zirconium dioxide base, 24:6259
Solid Solutions and polymorphism in the ZrO_2—HfO_2 system, 23:22672
X-ray study of decay of solutions with zirconium dioxide base, 24:4288
KRIVORUCHKO, S. M. Beam—plasma discharge in a weak magnetic field, 22:39122
Excitation of ion—acoustic waves by Langmuir waves and stationary regimes in a beam—plasma system, 25:1247
Excitation of low-frequency oscillations and control of two-stream instability spectra, 24:12809
Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
Lithium yield from a supersonic lithium-vapor jet, 24:37499
Mechanism of excitation and control of relaxation oscillations in a plasma—beam system, 25:40593
KRIVORUCHKO, V. M. Behavior of $MoSi_2$, WSi_2, and $TaSi_2$ in vacuum at high temperatures, 24:6276
Coalescence of Al_2O_3 particles in Mo, 25:32812
KRIVORUTSKII, E. N. Drift instabilities in a plasma in a high-frequency electromagnetic field, 25:36177
Drift instabilities of a magnetized turbulent plasma, 23:36721
Excitation and spectrum of plasma turbulence in objects with a high radiation density, 24:25871
Non-linear wave phenomena in a high-temperature plasma, 23:32512
Nonlinear drift instability in turbulent plasma, 22:50201 (JINR-P9-3981)
KRIVOSHAPKIN, B. P. S/sub D/ variations of geomagnetic field at Yakutsk and solar activity, 22:24126
KRIVOSHAPKIN, P. A. Antisymmetric diurnal and semidiurnal variations of cosmic rays, 25:30319
Characteristics of interplanetary magnetic field, 24:6398
Cosmic-ray distribution and acceptance vectors of detectors. I, 21:39842
Cosmic-ray distribution and acceptance vectors of detectors. II, 21:46188
Cosmic-ray distribution and acceptance vectors of detectors. III, 22:24068
Cosmic-ray distribution and the acceptance vectors of detectors. IV, 22:34317
Principal features of Forbush decrease during solar activity minimum, 22:21808
Sidereal diurnal variations conditioned by the modulation of cosmic rays, 22:21949
Stellar-diurnal cosmic-ray variations, 25:47353
Utilization of matrices in research into the distribution of cosmic rays, 22:21952
KRIVOSHEEV, M. V. Anomalous absorption of microwave power by a plasma at supercritical electron densities, 24:37516
Linear wave transformation and absorption in plasma of small transverse dimensions, 24:49222
Production of a high-density plasma by microwaves in a magnetic field, 25:36160
KRIVOSHEEV, V. A. Low-control-voltage electro-optical shutter for a ruby laser, 25:51338 (SC-T-713058)
KRIVOSHEEV, V. K. Superconducting transition of Ga in porous glass around 2°K, 24:35326
KRIVOSHEI, V. M. X radiotherapy of acute inflammatory lesions, 24:17052
KRIVOV, M. A. Absorption spectra of n—GaAs irradiated by protons, 24:19967
Effect of electron irradiation on electrical properties of gallium arsenide, 21:23259
Effect of γ radiation on reverse current in silicon p—n junctions, 24:46556
Effect of x radiation on electrophysical properties of germanium and germanium p—n junctions, 21:27234
Effect of x radiation on Ge and Ge p—n junctions. II, 21:21077
Effect of x radiation on Ge and Ge p—n junctions. III, 21:21078
Effect of x-ray and electron emission on gallium arsenide p—n junctions, 21:23260
Effect of x-ray and electron irradiation on gallium arsenide p—n junctions, 21:21075
Influence of electron irradiation on parameters of GaAs pulsed diodes, 24:36675
Influence of gamma radiation on the microhardness of silicon, 21:3917
Influence of x rays on silicon and silicon p—n junctions. III, 22:3205
Volt—ampere characteristics of tunnel p—n junctions in GaAs irradiated by fast neutrons, 25:484
X-radiation effects on electrophysical properties of Si and its p—n junctions. I, 21:23258
KRIVOV, N. A. Experimental investigation of plasma heating at a frequency close to the lower hybrid resonance, 25:38390 (CONF-710607-142)
KRIVOVA, A. A. Effect of multiple uv irradiation on higher nervous activity of white rats, 21:413
KRIVOY, Harold L. Seismic events originating at AEC's Nevada Test Site, 23:31442
KRIVSKII, I. Yu. Absolute measurements of the excitation functions for the KII line produced in collisions between K$^+$ ions and Ne atoms, 25:2911
Approach to variable-mass problem, 22:48334
DE Sitter group and equations in five-dimensional Minkowski space, 24:10793
Excitation functions for KII lines produced in collisions between K$^+$ ions and He atoms, 24:21604
Kemmer—Duffin equations in five-dimensional Minkowski space, 24:30571
Representations of inhomogeneous de Sitter group and on equations of the Schroedinger—Foldy type, 23:32801 (ITF-69-1)
KRIVSKII, L. Flare activity and spotgroup development, 23:36404
Mechanism of origin of decameter emission during the flare of July 12, 1961, 21:37003
Relation between proton flares and the corona over the 11-year cycle, 21:559
KRIVSKY, L. Compensation of maximum magnetic field strengths of opposite polarities, 23:39244
Development and activity of the active region during the proton flare event of July 1966, 23:22789
Development and spatial structure of proton flares. II, 23:46228
Development and spatial structure of proton flares near the coronal phenomena. III, 24:44897
Effect of superposition of two excessive solar radiations in middle ionosphere, 21:20853
Effects of magnetic bottle systems from solar flares, 22:26155
Effects of systems of magnetic bottles from flares, 21:31276
Effects of the superposition of two anomalous x-ray emissions in the middle ionosphere, 22:34467
Flares and the superposition of two ionospheric effects, 21:31148
Flares and the superposition of two ionospheric effects, 22:21787
Flares with ejection of subcosmic radiation, 23:39243
Flares with IV-type bursts and corona in 11-year cycle, 21:3602
Flight time of solar fast particles from flares to earth. II, 24:1198
Forbush effects and the possibility of the interaction of magnetic bottles produced by solar flares, 21:3592
Interaction of magnetic fields and the origin of proton flares, 23:36421
Ionospheric effects of x-ray emission from an active region, 23:22790
Large-scale mutual relations of spot groups in proton complex, 23:25082
Non-radial structure of corona 5303 A following proton flares, 21:3600
Observations of chromospheric flares at Ondrejov, 25:27391

  Observations of chromospheric flares at Ondrejov, 25:30189
  Parameters of Forbush effects and flares, 21:31275
  Possibility of the conjunction of the earth's magnetic field with a solar magnetic bottle, 21:28941
  Proton flares and types of spot groups in the 11-year cycle, 21:9273
  Proton flares near limb and coronal phenomena. I, 23:39245
  Proton region with flares and ionospheric effects, 23:14527
  Reconnection of magnetic field of active regions by the interaction of their extensions in interplanetary space, 21:46088
  Time—latitude fine structure of occurrence of flares (1942—1965), 23:16598
  Time—latitude occurrence of flares in two activity cycles, 22:13091
  Type II and IV radio sources during flares on 80 MHz, 23:51297
KRIVSKY, W. A. Conference on high temperature refractory metals, New York, 2/65, 23:22492
  Increased utilization of Be metal, 23:22452
KRIVTSOV, V. A. Effect of a radial electric field on the instability of an inhomogeneous plasma, 21:3905
  Temperature measurements in nuclear reactors, 21:5708
KRIVULIA, S. A. Measurement of high-frequency field strength in plasma via stark effect. II, 23:20890 (UCRL-Trans-1388)
KRIVY, I. New refractory nuclear fuels. II, 24:10164
  Phase purity control of system U—C—N—O, 22:45805 (UJV-1962)
  Uranates of some metals and the oxidation of uranium dioxide. I, 21:5870
  Vaporization of actinides and their compounds. II, 21:23863 (UJV-1738)
  Vaporization of actinides and their binary compounds. IV, 22:23007 (UJV-1832)
  Vaporization of actinides and their compounds. III, 22:25335 (ANL-Trans-584)
  Vaporization of various actinide compounds. III, 22:59 (UJV-1783)
KRIWOPUSTOW, M. Polarization of protons from reaction ^{12}C(^{3}He,p$_{0}$)^{14}N, 23:21261 (ZFK-130, pp 137-9)
KRIWOPUSTOW, M. I. Angular distribution of protons from reaction ^{12}C(^{3}He,p)^{14}N, 23:21262 (ZFK-130, pp 140-2)
KRIZ, George Stanley Jr. Deuterium effects on the solvolysis rates of some propargyl and allenyl chlorides, 21:34281
KRIZ, S. Comparison of main-sequence binaries with theoretical models, 23:46177
  Evolution of close binaries. I, 22:17270
  Evolution of close binaries. II, 23:14427
  Evolution of close binaries. III, 23:30208
  Evolution of close binaries. IV, 23:39148
  Evolution of close binaries. V, 25:27331
  Mass transfer in close binaries. I, 25:30112
  Mass transfer in close binaries. II, 25:40223
  Models for main-sequence stars, 23:46176
KRIZ, Z. Homogenezation of absorber heterogenetics, 23:52465 (UJV-2225-R)
  Nuclear power plants siting in the Czechoslovak socialist republic, 25:53983 (A/CONF.49/P-543)
KRIZAN, John E. Magnetic interactions in a warm plasma, 23:8612
  Particle theory of Lamb shift without divergences or cutoffs, 25:33832
  Quantum kinetic equation for electrons with magnetic interactions, 22:52540
  Relation of plasma kinetic equation for Darwin Hamiltonian to relativistic Landau equation, 21:7235
  Relativistic correction to the equilibrium statistical mechanics of a dense electron gas, 25:7521
  Self-interaction corrections of a charge in a nonrelativistic particle formalism, 22:15731
  Time-symmetric interactions and quantum electrodynamics, 24:37877
KRIZEK, Raymond J. Energy dissipation in a soft clay, 23:9587
KRIZEK, V. Sectional steam generators for Czechoslovak Nuclear Power Plant A-1, 24:28876
  Steam generators for nuclear power plants with high pressure gas cycles, 22:24997
KRIZEK, Vladimir Heat exchangers for steam generation for use in nuclear power plants, 22:50878
  Improvements in or relating to heat exchangers for steam generation particularly for use in nuclear power plants, 22:48677
  Steam generators for nuclear power stations, 23:19519
KRIZHANSKII, L. M. Conversion electron spectra and decay modes of isotopes ^{181}Os, ^{180}Os, and ^{178}Re, 22:35356
  Studies of γ spectra and identification of neutron deficient osmium isotopes, 21:44713
KRIZKOVA, H. Structural, magnetic, and electrical properties of Dy—Nd alloys, 25:52937 (CONF-711001-(Vol.1), pp 240-240k)
KRIZSA, F. Mechanism of thrombocytosis caused by ultraviolet irradiation in mice, 21:26629
KRIZSA, Ference Megakaryocyte and plasma thrombopoietic activity in irradiated mice, 23:38823
KRLEZA, F. Complexometric determination of Mg, Ca, Sr, and Ba, 23:33149
KRLIN, L. Action-angle coordinates for particle motion in magnetic mirror systems, 21:15093
  Contribution to the expression of particle movement in magnetic mirror systems in cyclic variables, 21:15092
  Diffusion of particle in stochastic rf fields, 23:46453
  Effect of stochastic rf fields on stability of plasma, 25:49914
  Influence of stochastic rf field on plasma stability, 23:44455
  Influence of the helicon wave upon some electrostatic instabilities of plasmas, 25:36183
  Resonance absorption of magneto-acoustic waves in a dense argon plasma, 25:52866
  Some nonlinear phenomena associated with high-frequency beam—plasma instabilities, 25:38421 (CONF-710607-59)
  Stochastic heating of particles contained in magnetic mirror systems, 23:5374
  Stochastic heating of particles in magnetic mirror systems, 25:3058
  Theory of stochastic heating of particles, 22:26350 (IPPCZ-77)
  Theory of stochastic heating of particles in magnetic mirror systems, 23:42226
KRMPOTIC, D. Conversion coefficients and particle parameters in ^{207}Pb, 21:7800
  Decay dependent background signals in a magnetic electron spectrometer, 22:6632
  Decay dependent background signals in a magnetic electron spectrometer, 22:12597 (UUIP-551)
  K-conversion coefficients of transitions in ^{87}Sr, 24:49836
  Levels in ^{72}Ge populated by ^{72}Ga, 25:31260
  Weakly populated states in decay of ^{51}Cr, 23:46954
KRMPOTIC, D. M. Conversion electron—gamma directional correlation measurements on ^{192}Pt, 22:44747
  Summing effect correction of correlation coefficients, 23:21959
KRMPOTIC, Dj. E0 admixture determination by gamma—gamma directional correlation measurements, 24:40679
KRMPOTIC, F. $0^- \rightarrow 0^+$ nuclear beta transitions, 23:31074
  Analysis of unique beta transitions, 22:3792
  Analysis of unique beta transitions, 23:31097
  Properties of surface delta interaction, 23:19344
  Semimicroscopic description of even Cd spectra, 21:30008
  Unique first forbidden β-transitions, 25:10064
KRO, E. Radiation stability of copolymers of butyl rubber, 25:6347
  Radiation-chemical processes in polyesters of terephthalic acid, 25:6346
KROCHTA, John M. Asymmetric interactions and the separation of optical isomers by optically active sorbents, 25:34492 (UCRL-20471)
KROCK, R. H. Influence of additives on the formation of periodic precipitation (Liesegang bands) in the Ag—Cd system, 25:58262
  Preparation and properties of cast beryllium—aluminum alloys, 24:12382
KROCK, Richard H. Modern composite materials, 22:34007
KROCZA, W. Long-lasting radioactivity at high altitude, Jan. 1967 to Dec. 1968, 24:20904
  Measurement of ^{137}Cs content in beef during 1966/67, 24:34314
  Measurement of ^{137}Cs in bovine muscle, 25:23818
KROEBEL, R. Clean-up process: chemical chop process, 24:22728 (NP-18182)
  Preparation and properties of a crystalline uranium(IV)—hydrazine nitrate compound, 25:29035 (NP-18736)
KROECKEL, H. Delft Molten Salt Project design summary report, 21:43087 (DMSP-G-8)
  Method for determination of convertible nuclear heating data, 24:41040 (EUR-4415)
  Non-destructive burn-up determination by 145-keV gamma-ray absorption, 25:21322
KROEGER, D. M. Cation self-diffusion in UN/sub 1 + x/, 25:16589
  Flux-flow studies and stability criteria of Nb—Ti strips, 24:5116
  Peak effect in critical current in a Type-II superconductor, 23:34358
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 4—6/67, 21:37349 (ORNL-TM-1943)
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 7—9/67, 22:9234 (ORNL-TM-2075)
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 10—12/67, 22:22070 (ORNL-TM-2162)
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 1—3/68, 22:31733 (ORNL-TM-2233)
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 7/1/68—9/30/68, 23:14696 (ORNL-TM-2441)
  Prog. rpt. on magnetic flux flow and superconductor stabilization, 10-12/68, 23:23025 (ORNL-TM-2534)
  Stability of flux-flow state in superconducting NbTi strips, 22:38981
KROEGER, Donald Moseley Flux motion in high-field type-II superconducting cylinders, 21:18602
KROEGER, E. Calculations of the energy losses of fast electrons in thin foils with retardation, 22:52534
KROEGER, Erhard Radiation and energy losses of relativistic charged particles traversing thin foils, 24:37711
KROEGER, Erich W. Effects of reactor radiation on 4.7-volt silicon voltage-regulator diodes, 24:25345 (N-70-16345)
  Electrical performance of three solar thermoelectric test sections, 25:43185 (N-71-17252)
  Fast-neutron beam irradiation facility in the NASA Plum Brook Test Reactor, 21:44943 (N-67-25854)
KROEGER, F. A. Direct current-voltage characteristics of calcia stabilized zirconia, 24:25054
KROEGER, H. Effect of ionizing radiation on the biological activity of desoxyribonucleic acid, 23:6355 (UCRL-Trans-10237)
  Enzymatic RNA synthesis on irradiated DNA, 24:21082
  Influence of monochromatic uv light of various wavelengths on the matrix functions of DNA in the RNA-polymerase system, 21:30792
  Nucleic acid metabolism of monkey kidney tissue with SV$_{40}$. IV, 23:33643
  Radiation sensitivity of desoxyribonucleic acid in the cell, 21:22359
KROEGER, Hans Effects of spermidine on reaction of RNA nucleotidyltransferase, 23:778
  Homopolymer synthesis with irradiated DNA in RNA polymerase system, 23:15908
  Studies on radiosensitivity of DNA. II, 21:12783
KROEGER, P. G. Analysis of the effects of various parameters on the average void fractions in subcooled boiling, 22:21279
  Prog. rpt. on two-phase flow investigation, 7—9/66, 21:32308 (GEAP-5275)
  Steady state and transient void fraction in two phase flow systems. II, 22:27994 (GEAP-5417(Vol.2))
  Steady state and transient void fraction in two-phase flow systems. I, 22:27993 (GEAP-5417(Vol.1))
KROEGER, W. Basic principles and indications for the hard-ray technic, 21:30841
KROEGLER, H. Merits and limitations of explosively driven current generators in fusion research, 25:30562 (EUR-4593, pp 205-17)
  Very-high-density theta—pinch, 23:32382
KROELL, W. Degree of ionization of a plasma in equilibrium, 21:20966
  Evolution of a plasma interacting with radiation, 24:1408
  Free-bound model of the plasma in equilibrium, 21:20965
  Negative characteristic and instability of the collision-dominated helium plasma column, 21:29298
  Properties of the entropy production due to radiative transfer, 21:41770
  Scattering of electromagnetic waves by turbulent, weakly ionized plasmas, 22:36940
KROENER, E. Non-linear elasticity theory of straight dislocations, 21:13621 (AERE-Trans-1061)
KROENERT, E. Quantitative evaluation of ^{131}I-hippuran renal clearance based on a model, 25:11160
  Results of renograms evaluated by computer analysis based on a non-compartmental model, 25:11161
  Scintigraphic diagnosis by means of short-lived radionuclides, 25:58060
KROENERT, Harald Crosslinking of cinnamic acid ester polymers by uv light and γ radiation, 22:27833
KROENIGER, D. Determination of dE/dx for 7- to 17-MeV alpha particles for energy loss measurements in La Mg nitrate single crystals, 25:25201
KROENING, Paul M. Independent radiation monitor, 23:29154
  Table for the normalization of time-dose relationships, 25:49196
KROEPELIN, H. Temperature distribution and thermal conductivity in an argon plasma, 25:56140
KROEPFL, Hans Fuel rod for nuclear reactors, 21:2911
  Spacer for box-shaped nuclear fuel element, 22:48785
KROEPFL, J. J. Energy level structure of ^{9}Be and ^{9}B, 22:15956
  Evidence for spreading of the strength of intermediate states of ^{28}Si, 22:27061
  Inelastic scattering of protons from ^{10}B between 5 and 16.5 MeV, 24:15807
  Observation of resonant structures at 20- to 23-MeV excitation in ^{28}Si through the ^{24}Mg(α,α)^{24}Mg reaction, 22:20535
KROES, R. L. Negative-ion vacancies in irradiated MgO, 22:41675
KROES, Roger Lee Color centers in magnesium oxide, 23:27681
KROGDAHL, Wasley S. Numerical determination of the absorption coefficient of the negative hydrogen ion, 22:996
KROGER, Donald M. Losses due to moving fluxoids in superconductors, 24:49100
KROGER, H. Effects of ionizing radiation on the biological activity of desoxyribonucleic acid, 23:13780
KROGH, Christine Lunar laser ranging and Brans—Dicke theory, 23:5686
KROGULEVICH, R. E. Effects of radiotoxins on chromosomes, 24:7807
KROGULSKI, T. Calculation of energy distributions of light nuclei accompanying fission of ^{236}U, 23:7329 (INR-932)
  Closed shells for very heavy nuclei, 25:43936
  Closed shells for very heavy nuclei, 25:43955 (INR-1270)
  Correlated emission of light nuclei and neutrons in fission of ^{235}U, 23:44883 (INR-1033)
  Correlated emission of light nuclei and neutrons in ^{235}U and ^{252}Cf fission, 24:30778
  Emission of light nuclei in thermal neutron fission of ^{239}Pu, 23:23732
  Emission of light nuclei in thermal neutron fission of ^{239}Pu, 23:46984 (INR-1010)
  Emission of long-range charged particles in the fission of ^{235}U induced by thermal neutrons, 21:12043
  Emission of long-range charged particles in fission of ^{235}U induced by thermal neutrons, 21:17345 (INR-765/IA/PL)
  Energy and angular distributions of light nuclei accompanying fission, 24:28821 (INR-P-1138)
  Energy and angular distributions of light nuclei accompanying fission, 24:38316
  Energy distribution of long range α particles emitted during the thermal neutron fission of ^{235}U, 22:5812 (INR-817/IA/PL)
  Energy distribution of long-range α particles emitted during thermal neutron fission of ^{235}U, 22:42037
  Energy distributions of light nuclei accompanying fission of ^{236}U, 23:7311
  Energy spectra of long range particles from the thermal neutron fission of ^{235}U, 21:42654
  Energy spectra of long range particles from the thermal neutron fission of ^{235}U, 22:3693 (INR-822/IA/PL)
  Evidence of polar emission of alpha-particles in thermal neutron fission of ^{235}U, 25:17869
  Li and Be nuclei emitted during thermal neutron fission of ^{235}U, 23:23701
  Lithium and beryllium nuclei emitted during thermal neutron fission of ^{235}U, 23:19249 (INR-P-952)

- Low energy part of α particle spectrum from tripartition of ^{235}U, 22:42012 (INR-P-911)
- Low-energy of α-particle spectrum from tripartition of ^{235}U, 22:48557
- Radiation damage in silicon surface barrier detectors, 23:14115 (INR-942)
- Spin assignment of neutron resonances in ^{149}Sm using (n,α) reaction, 21:12017 (INR-755/IA/PL)
- Spin assignment of neutron resonances in ^{149}Sm using the (n,α) reaction, 21:25539
- KROGULSKI, Tadeusz Emission of H and He isotopes in fission of ^{239}Pu, 24:28771 (INR-1142)
  - Semiconductor position-sensitive detectors, 23:41020
  - Use of semiconductor detectors for fission studies in high-energy proton beam, 22:49104
- KROH, J. Education and training in the field of peaceful uses of atomic energy in Poland, 25:54024 (A/CONF.49/P-333)
  - Effect of dose rate on the radiation yields of radicals in frozen organic media, 25:29160
  - Effect of naphthalene and diphenyl on radiation polymerization of methyl methacrylate in solution, 21:19662
  - Gamma radiolysis of alkaline light and heavy ice containing CH_2ClCOO^- ions, 24:46256
  - Influence of ^{60}Co on ascorbic acid in corn [rye and wheat] from irradiated seeds, 25:44960
  - Influence of γ irradiation of pea seeds on thiamine biosynthesis, 22:6758
  - Influence of γ irradiation of wheat seeds on ascorbic acid content of plant, 25:42726
  - Influence of LET on radical yields in frozen aliphatic alcohols, 25:26311
  - Ionic processes in the radiolysis of liquid benzene as studied by tritium substitution, 24:9362
  - Main research problems in the Institute of Radiation Chemistry at the Technical University of Lodz, 22:4216
  - Production of HT during radiolysis of C_6H_6/THO system, 25:37423
  - Radiation and photochemically induced tritium substitution in aromatic hydrocarbons, 22:16577
  - Radiation yield of free ions in benzene, 24:38906
  - Radiation-induced degradation of poly (methyl methacrylate) in mixed solvents, 21:4570
  - Radiation-induced degradation of poly(methyl methacrylate) in solution, 23:307
  - Radiation-induced degradation of poly(methyl methacrylate), 23:306
  - Radiation-induced grafting of styrene onto cross-linked butyl rubber, 25:34631
  - Radiation-induced H—T substitution in system aromatic hydrocarbon—methanol, 23:291
  - Radiation-induced H—T substitution in system aromatic hydrocarbon—methanol, 23:289
  - Radiation-induced H—T substitution in benzene, chlorobenzene, and bromobenzene, 23:15883
  - Radical processes in radiolysis of the ethanol—benzene system, 23:293
  - Radiolysis of liquid ethanol—benzene mixtures in the presence of electron scavengers, 24:9361
  - Radiolysis of the ethanol—benzene system in the presence of iodine, 21:4571
  - Radiothermoluminescence of crystalline and glassy methanol, 25:29101
  - Stabilisation of electrons in alkaline γ-irradiated ice at 77°K, 24:7450
  - Temperature effects in the x-ray radiolysis of frozen Fricke solutions, 21:23962
- KROH, Jerzy Achievements of the pure and applied radiation chemistry in Poland, 25:2217
  - Crosslinking of cis-polybutadiene by γ-r, 24:227
  - Effect of gamma-irradiation of grain seed on the nitrogen content of the young plants, 25:52266
  - Free radicals in radiation chemistry, 22:47182
  - Primary radiation processes, 22:51029
  - Radiation induced oxyhydrolysis of tetrachloroethylene, 24:27127
  - Radiolysis of ethanol-benzene system at -196°C, 21:40924
  - Radiolysis of non-polar organic liquid mixtures, 23:19747
  - Role of ions in the radiolysis of hydrocarbons, 25:54630 (CONF-700652-(Vol.3), pp 523-98)
- KROHA, V. Deuteron stripping and pick up reactions, 22:5871 (UJV-1870)
  - Relativistic kinematics in nuclear reactions, 23:42964 (UJV-2067-F)
- KROHA, Vaclav Dynamics of direct nuclear reactions of (d,p) type, 23:5963
- KROHM, G. Nondestructive testing methods for Zircaloy tubes, 24:41636
- KROHM, Georg Quality tests on fuel element cladding with ultrasonics, 24:394
- KROHMER, Jack S. Isoenergy distribution for typical ^{60}Co teletherapy unit, 22:51613
- KROHN, Albertine Electrodeposition of copper—molybdenum alloys, 22:28766
- KROHN, Bruce J. Photon energy response of several commercial ionization chambers, Geiger counters, scintillators, and thermoluminescent detectors, 23:17750 (LA-4052)
- KROHN, Conrad Application of molten salt electrolysis in modern technology, 24:48810
- KROHN, David L. Intraocular heavy particle radiation of experimental malignant melanoma in rabbits, 24:39544
  - Toxic effect of thermal neutrons on the rabbit electroretinogram, 25:8761
- KROHN, Harry L. Survival in lethally irradiated dogs, 25:29651
- KROHN, Jan Raphael Hoegh Partly gentle perturbation with application to perturbation by annihilation—creation operators, 21:42291
- KROHN, N. A. Near-infrared spectra of water and heavy water at temperature between 25 and 390°, 25:2165
  - Preparation and preliminary studies of chloride-stabilized UO_2 sol, 22:14484 (ORNL-TM-2056)
  - Preparation of iron—thoria and iron—alumina cermets, 23:24979 (ORNL-TM-2518)
- KROHN, R. Formation of carbide surfaces on tantalum and tantalum—tungsten alloys, 22:729 (LA-DC-8803)
- KROHN, V. E. Measurement of A and B coefficients in decay of polarized neutrons, 23:13025
  - Measurement of angular correlations in the decay of polarized neutrons, 24:38087
  - Measurement of the polarization of thermal neutron beams of mixed velocities, 22:9764
  - Search for chemically bound neutrons, 24:15387
- KROITTSBURG, M. Some problems connected with operation of nuclear power stations in electric power systems, 25:34267
- KROKER, K. Injuries after x-ray diagnostic studies, 23:38861
- KROKH, E. Thiamine synthesis in irradiated wheat seed, 21:34611
- KROKHIN, O. N. Application of lasers for thermonuclear fusion, 25:1219
  - Electron—ion relaxation in a plasma produced by ultrashort laser pulses, 25:1169
  - Gasodynamic processes in gas heated by laser radiation, 21:15191
  - Generation of neutrons in laser CD_2 plasma heated by pulses of nanosecond duration, 25:56219
  - Heating and disintegration of a plasma produced by a gigantic laser pulse focused on a solid target, 21:3833
  - Ionization processes in a laser plasma, 24:17947
  - Laser application for the production and diagnostics of pulsed plasma, 22:3020
  - Laser spark excitation source of spectra of highly ionized atoms, 23:12491
  - Plasma heating by ultrashort laser pulses, 24:47196
  - Possibility of obtaining a powerful neutron source by action of a laser pulse on a compound target, 25:40691
- KROKHIN, Oleg Laser light for fusion fire, 25:59057
- KROKHIN, Oleg N. Laser application for investigations of the high-temperature and plasma phenomena, 23:20931
- KROKHINA, A. G. Reactions in system $TaCl_5$—UCl_4—KCl, 23:33173
- KROKHINA, K. I. Quadrupole moment of the ^{114}Cd nucleus in the first excited state, 24:52610
- KROKOSKY, E. M. Effect of radiation on some mechanical properties of an epoxy system, 25:55667
  - Effect of radiation on the adhesive properties of epoxy-metal and epoxy-glass adhints, 25:55666
- KROKOWSKI, E. Acquired radioresistance following whole body irradiation, 22:51955
  - Effects of ionizing radiation on the eye, 25:27013
  - Jeopardization of eye by radiotherapy, 23:38862
  - Physical dose and biological effect of ionizing radiations, 23:8059
  - Radiation protection by x rays, 22:15083
- KROKOWSKI, Ernst Extraregional radiation effects, 22:36401
  - Radiation effects on rabbit lenses, 21:45823
- KROL, V. A. Application of the method of radiothermoluminescence to the appraisal of the structure of block copolymers, 23:15880
- KROL, V. K. Nanosecond pulse generator for spark chamber, 23:26574
- KROL, V. M. Gasodynamic processes in gas heated by laser radiation, 21:15191
- KROLEWSKI, Harry Locations of nuclear power stations in water economic discussion, 23:52293
- KROLICK, Cyril F. Technical and economic evaluation of neutron sources, 23:28214 (TID-25050)
- KROLIKOWSKI, T. S. Reaction of molten sodium spray with air. I, 24:206
  - Reaction of molten sodium spray with air. II, 24:207
- KROLIKOWSKI, Theresa S. Violently sprayed sodium—air reaction in an enclosed volume, 23:17388 (ANL-7472)
- KROLIKOWSKI, W. Are Regge trajectories necessarily real for space-like momentum transfer, 24:6768
  - Breaking of SU(3), 23:21142
  - Complex charge and binding of quarks, 21:40245
  - Exotic states in a three-triplet quark model, 24:30494
  - Integral form of PCAC, 22:52978
  - Integral form of PCAC and Weinberg sum rules, 22:13731
  - Non-Hermitian uncharged field and existence of quarks, 25:30827
  - Partial conservation and 2^+ mesons, 21:46534
  - Partial conservation and the 2^+ mesons, 21:18984
  - Partial conservation of tensor currents and Pauli interaction, 21:11758
  - Permutation of three quark triplets, 24:6711
  - Permutation symmetry of three triplets and binding of quarks, 24:10740
  - Scalar mesons and breaking of SU(3), 23:27844
  - Two-gamma decays universal, 22:48274
  - Universal coupling of vector mesons revisited, 21:4024
- KROLL', E. B. Sintering of mullite refractories, 21:31072 (UCRL-Trans-1345)
- KROLL, F. R. Distorted-wave analysis of quasifree proton inelastic scattering, 24:24508
- KROLL, N. M. Electromagnetic interactions, 23:8770 (UCSD-10-P-10-48)
  - Neutral vector mesons and the hadronic electromagnetic current, 21:13683 (NYO-1932-116)
- KROLL, Norman M. Concentric spherical cavities and limits on the photon rest mass, 25:47787
  - Divergence difficulties in theory of weak interactions, 23:25591
  - Extension of Low soft-proton theorem, 22:9551
  - Neutral vector mesons and the hadronic electromagnetic current, 21:33660
  - Survey of the theory of quantum electrodynamics, 23:13122 (UCSD-10-P-10-46)
  - Theoretical interpretation of a recent experimental investigation of the photon rest mass, 25:38712
- KROLL, P. Regge pole model for invariant functions. V, 23:51939
- KROMER, H. Complex automation of nuclear power plants, 25:60048
  - Measuring and control techniques for nuclear power plants, 23:47141
- KROMER, P. F. Properties of the low-temperature internal friction peak in silicon, 21:37605
- KROMHOUT, R. A. Lattice vibrational spectra and physical characteristics of metals with cubic structure, 25:36319
- KROMHOUT, Robert A. Polarizability and second dielectric virial coefficient of interacting He atoms, 24:32625
- KROMMINGA, A. Bismuth-209 ground-state analog in ^{209}Po, 25:10045
  - Negative-parity states in ^{139}Pr, 25:31366
- KROMMINGA, A. J. Deuteron stripping on a realistic nucleus, 21:31876
- KROMPASS, R. Refabrication of nuclear fuel elements: fundamentals, plants, technology, 25:35304
- KROMPECHER, St. Lyophilized and radiosterilized bone grafts in dogs, 24:934
- KROMS, A. Energy sources in the American electric economy, 22:27428
  - Nuclear energy in the energy supply of Great Britain, 24:11113
  - Sources of energy of the American power industry, 22:27429
- KRON, Gabriel Tensorial and topological foundations of electric networks, 21:7419
- KRON, Gerald E. Determination of stellar magnitudes by electronography, 22:49882
- KRONAST, B. Electron velocity distribution function of a theta-pinch plasma, 24:49116
  - Electron-drift velocities from ion and electron features of light scattering in z-pinch plasma, 25:14256
  - Evidence for thermonuclear reaction in theta-pinch plasma from scattering of ruby laser beam, 21:42149
  - Laser-produced sparks in a 200-kG magnetic field, 23:5438
- KRONAST, Benedikt Neutron pulse source, 23:37073
- KRONBERG, P. P. Integrated linear polarization of radio sources at 610 MHz, 24:23638
  - Interferometric measurement of polarization distributions in radio sources, 23:12475
  - New determination of position of Jupiter's magnetic axis, 22:29062
  - Small diameter components in Crab Nebula at 1,422 Mc/s, 21:9268
- KRONBERGER, H. Desalination of water development in UK, 23:13564
  - Fast reactor development in United Kingdom, 22:27440
  - Fast reactor development in United Kingdom, 23:9100 (TRG-Report-1631)
  - Helium trubines for mk iii gas cooled reactors: the key development problems, 25:20701
  - Integrated gas turbine plants using CO_2-cooled reactors, 23:4292 (TRG-Report-1734)
  - Integrated gas turbine plants using CO_2 cooled reactors, 23:28541
  - National nuclear power program of the United Kingdom, 22:6042
  - Nuclear power program of the U.K, 23:47211 (CNM-R-2(Vol.1), pp 58-69)
  - Nuclear reactors for dual-purpose water/power production, 23:49626
  - Present and future developments in fast reactor technology, 24:4028
  - Study and evolution of techniques for desalination, 24:13621
  - UK approach to desalination and nuclear power, 25:18210
  - United Kingdom approach to desalination and nuclear power, 23:49609
  - United Kingdom desalination research, 23:47685
- KRONBERGER, Hans British view on plutonium utilisation, 24:24850
- KRONE, H. Differential absorption and Faraday rotation measurements with Nike-Apache rockets, 21:11489 (NP-16456)
  - Quantitative analysis of high boiling polyphenyl mixtures in field ion mass spectrometer, 23:13621 (EUR-4194)
- KRONE, H. V. Current oscillations in Si p-i-n devices after irradiation, 23:17892
- KRONE, J. L. Sandia Executive: users manual, 25:26121 (SC-M-70-729)
  - Sandia Executive: users manual, 25:48408 (SC-M-70-729-A)
- KRONE, K. Behavior of N at electron beam melting of V, 24:25669
- KRONE, R. W. Levels in ^{15}N resulting from proton capture of ^{14}C, 23:23640
  - Levels in ^{18}O through the radiative capture of alpha particles by ^{14}C, 21:23419
  - Lifetime measurements from analysis of Doppler broadened shapes, 24:20338 (COO-1120-90)
  - Lifetime measurements from the analysis of Doppler-broadened shapes, 24:38122
  - Spin assignments of states in ^{24}Mg, 24:43224
  - Spin assignments of states in ^{24}Mg from analysis of Doppler broadened gamma rays, 24:20339 (COO-1120-91)
  - Spin assignments of states in ^{24}Mg from an analysis of Doppler-broadened gamma rays, 24:38178
- KRONENBERG, Max Hot-machining, 22:21678
- KRONENBERG, S. Time-dependent dosimetry and spectroscopy, 24:11252 (CONF-690102-, pp 469-77)
- KRONENBERG, Stanley Reduction of biological effectiveness of x rays at very high dose rates, 25:16126 (AD-713557)
  - Relative biological effectiveness of x rays delivered at very high dose rates to radish seeds (raphanus sativus), 25:55350
  - Tactical radiation dosimetry in the Army, 22:8396
- KRONENFELD, J. E. Search for A(1330) in K^-, p interactions at 740 MeV/c, 24:40268 (ORO-3065-22)
- KRONENFELD, Richard Regge poles and bound states of nonrelativistic scattering systems, 25:45825

- KRONER, G. Collective nature of the low-lying states in ^{27}Al and ^{23}Na, 25:17726
  - Direct and compound processes to the reaction ^{40}Ca(d,α)^{38}K at E/sub d/ = 5 to 10 MeV, 25:31275
- KRONER, R. C. Tracing water pollution with an emission spectrograph, 23:24078
- KRONFLI, N. S. Bound-state theory of particles: the J = I baryon resonances, 22:46429
- KRONGAUZ, A. I. Use of special analog computers for calculating dose fields in radiation therapy of malignant tumors, 22:45533
- KRONGAUZ, A. N. An analogous electron computer for calculating dose fields, 21:20195
  - Combined detectors in clinical dosimetry, 22:38296
  - Determination of absorbed doses of long-wave roentgen and gamma-radiation with the aid of a detector of complete absorption, 25:23872
  - Determination of the percentage depth dose of roentgen and gamma-radiation, 21:20192
  - Directions of research of specialized computers for the calculation of dose distributions, 23:31787
  - Dose fields of ^{60}Co gamma radiation in surface layers of tissue-equivalent substance, 21:45629
  - Effect of the nonuniformity of a body upon the distribution of the dosage field in beam therapy, 21:3407
  - Kremnii-1 dosimeter, 24:48333
  - Obtaining of volumetric dose fields in ^{60}Co gamma therapy with the aid of electronic computers, 23:31784
  - Possibilities of using electronic computers in dosimetry, 23:33726
  - Radiation exposures to the examinees during roentgenodiagnostic investigations and criteria of permissible doses, 21:8898
  - Stages of development of clinical dosimetry in USSR, 23:9932 (JPRS-44356, pp 76-85)
  - Tissue equivalent scintillators in radiommetry of long wave x radiation, 25:55213
  - Use of enteric bacteria for determination of absorbed dose of x radiation, 25:52269
  - Use of plastic scintillators in x-ray dosimetry, 25:11072
- KRONGAUZ, V. A. Radiolysis of benzene, 21:15921 (KFK-tr-213)
  - Studies of electron-excited molecules in solutions by means of sensitized o-nitrobenzaldehyde re-grouping, 22:33468
  - Using sensitized reactions for the determination of radiation yields of electronically excited states, 24:13893
- KRONGAUZ, V. G. Effect of buildup of the F flash and roentgenoluminescence in KI:Tl phosphors, 21:29372
  - Radiation equilibrium of processes of creation of electron centers in NaCl—Ni phosphor, 22:9443
  - Recombination luminescence KI:Tl phosphor, 21:21086
  - Roentgenoluminescence of and trapping levels in NaCl and KCl crystals activated by Ag and Cu, 21:21064
  - Temperature dependence of roentgenoluminescence and optical flash brightness for alkali metal halide phosphors, 21:29370
  - X-ray luminescence and optical burst in the phosphor KI(Tl), 21:7340
  - X-ray luminescence and optical flash in alkali-metal-halide phosphors, 22:3188
- KRONHEIMER, E. H. Time-ordering and topology, 25:41104
- KRONICK, P. L. Effect of high-energy radiation on the electrical characteristics of pyrrone polymers, 24:31344
  - Photoelectric characterization of x-ray damage in anthracene crystals, 22:121
- KRONIG, R. Theory of nonlinear Compton effect. I, 22:7413
  - Theory of nonlinear Compton effect, 21:27016
  - Theory of nonlinear Compton effect. III, 21:41798
  - Theory of nonlinear Compton effect. II, 22:7416
  - Theory of nonlinear Compton effect. III, 22:7415
  - Theory of the nonlinear Compton effect. II, 21:41800
- KRONMUELLER, H. Elastic and dielastic interactions in superconductors, 24:21735
  - Magnetic relaxation in high-purity irradiated Fe. I, 25:36294
  - Magnetic relaxation in high-purity irradiated iron. II, 25:40786
  - Plastic deformation of cobalt single crystals, 22:10954 (ORNL-tr-1823)
  - Solution of the micromagnetic equations of superconductors, 23:51574
  - Spectrum of the magnetic aftereffect in neutron-irradiated Ni single crystals, 21:20542
  - Suprastriction in superconductors, 24:45205
- KRONRAD, L. Detection of myocardial infarcts by in-vivo scanning using mercurascan, 23:48123
  - Fast preparation method of ^{32}P applicators, 25:57500
  - Ischaemia detecting radioactive substances for scanning cardiac and skeletal muscle, 21:32681
  - New possibilities in the topical diagnosis of cardiac infarcts, 25:29571 (LB/G-2835)
  - Preparation of ^{32}P applicators, 25:34671
  - Preparation of radioactive hydroxymercury derivatives of fluorescein series applicable as IDRS, 25:24246
  - Preparation of some mercuri-derivatives of fluorescein labeled with isotopes ^{197}Hg and ^{203}Hg. III, 25:15715
  - Process of improving the yields of radioactive fluorescein, 25:32467
- KRONRAD, Leo Chemical changes of sulfur atoms in silver chloride doped with sulfide—^{35}S and sulfate—^{35}S, 22:16614
  - Chemical effects of (n,p) reaction in chloroderivates of paraffins, 22:16612
  - Chemical effects of ^{35}Cl(n,p)^{35}S nuclear transformation in Ag chloride, 21:24051
  - Method of purifying and separating derivatives of fluorescein series labelled with radioactive mercury isotopes, 25:21151
  - Process of manufacturing radioactive substances derived from difluorescenylmercury and labelled with radioactive iodine isotopes, 25:58047
- KRONSBEIN, J. Topological study of the sintering process, 24:22562 (TID-25376)
- KRONZER, W. James Radiation records: plaintiff's case, 24:29768 (DMRE-69-3, pp 283-93)
- KROO, Erik Simple low-background beta counter, 21:14453
- KROO, N. Correlation technique at pulsed neutron sources, 25:59672 (KFKI-71-45)
  - Correlation type time-of-flight spectrometer with magnetically pulsed polarized neutrons, 22:12602
  - Correlation type time-of-flight spectrometer with magnetically chopped polarized neutron beam, 22:30849 (KFKI-7/1968)
  - Correlation-type time-of-flight spectrometer, 24:9687
  - Dynamical properties of liquid—gas systems by coherent cold neutron scattering near critical point, 22:32431 (KFKI-10/1968)
  - Inelastic neutron scattering by density fluctuations in CO_2 near the critical point, 21:21091
  - Inelastic scattering of neutrons by virtual magnon states in dilute alloys, 22:24804
  - Neutron scattering by virtual magnon state in Fe with Mn impurity, 21:13638
  - Some problems of neutron spectroscopy at pulsed sources, 25:15930
  - Synchronized chopper time-of-flight spectrometer, 25:34916 (JINR-E14-5731)
- KROO, Norbert Examination of dilute magnetic alloys by means of inelastic neutron scattering, 22:39193
- KROOK, L. Distribution of parenterally administered ^{45}Ca in bones of growing pigs, 24:9748
- KROON, D. J. Tail-Dewar for liquid He, 21:5220
- KROON, Ingvar Angular distributions in high-energy photofission of gold and lead, 24:30755 (LUNP-7003)
- KROON, J. Reaction ^{26}Mg(p,t)^{24}Mg, 24:43289
- KROON, J. J. Routine determination of arsenic in biological materials, 25:31848 (RCN-124)
- KROONDIJK, R. High-spin states in doubly even Pt and Hg isotopes, 24:49877
- KROPAC, W. Boson resonance of mass 980 MeV decaying into π^-eta, 23:8741
  - Coherent production of $K^-\pi^+\pi^-$ system in K^-—d interactions at 5.5 GeV/c, 24:18089
  - Excited hyperon of mass 1680 MeV, 21:15262
  - f^0 Production in K^-p interactions at 5.5 GeV/c, 22:1391
  - $K^-\pi^-$ scattering using reaction $K^-d \rightarrow K^-\pi^-pp$, 24:42882
  - Meson + hyperon final states in K^-p interactions at 4.1 and 5.5 GeV/c, 21:17054
  - Production of Ω^- hyperons in K^-p interactions at 5.5 BeV/c, 21:17041 (COO-1195-79)
  - Properties of π/sub N/(980), 24:45439
- KROPACHEV, E. P. Generation of a magnetic field near the boundary of a conductor, 21:24969
  - Optimum representation of the geomagnetic field by three dipoles, 22:34474
- KROPACHEV, G. P. Definition of nondimensional groups for similarity of MHD phenomena, 22:31688
- KROPFF, F. Isotope separator on-line studies of gaseous fission products, 22:12418
  - Isotope separator on-line studies of gaseous fission products, 22:30034
- KROPOTAVA, O. I. Isotopic fractionation of carbon in geological processes, 22:47232
- KROPOTKIN, A. P. Acceleration of cosmic rays by magnetohydrodynamic discontinuities, 25:30312
  - Induced scattering of quasi-longitudinal waves in magnetoactive plasma. I, 23:14850
  - Induced scattering of quasi-longitudinal cyclotron waves in a plasma, 24:37521
  - Influence of inhomogeneities in solar-wind velocity on the structure of the interplanetary magnetic field, 24:39792
  - Interaction of energetic particles with the neutral sheet in the tail of the magnetosphere, 25:33126
  - Nonlinear interaction of waves in the presence of beam instability, 22:11479
  - Passage of energetic particles through a magnetohydrodynamic discontinuity surface, 25:47356
  - Wave—wave scattering of quasi-longitudinal waves in magnetoactive plasmas, 21:13587
- KROPOTOVA, O. I. Isotopic composition of diamond crystals and carbonado, 21:8443
  - Isotopic composition of different phases of carbon in carbonaceous meteorites, 22:34158
- KROPP, D. BERTA: a FORTRAN program for automatic recognition and reconstruction of bubble chamber events. I, 25:13243 (CERN-70-21(Vol.1), pp 125-39)
  - BERTA: a FORTRAN program for automatic recognition and reconstruction of bubble chamber events. II, 25:13244 (CERN-70-21(Vol.1), pp 141-75)
  - Heidelberg automatic event recognition, 25:13241 (CERN-70-21(Vol.1), pp 105-11)
  - Heidelberg automatic recognition of bubble chamber events, 25:6563 (MIT-2098-660, pp 37-75)
- KROPP, John L. Energy transfer in solution between UO_2^{2+} and Eu^{3+}, 21:12410
  - Observations of phosphorescence in plastic scintillators excited by ^{60}Co γ irradiation, 22:4187
- KROPP, L. Excitation functions and differential cross sections for ^{9}Be(n,α) reaction with 8 to 30 MeV neutrons, 25:3564 (KFK-1190)
  - Fast neutron time-of-flight spectrometer used with the Karlsruhe isochronous cyclotron, 22:45330
  - High resolution total fast neutron cross sections on nonfissible nuclei in energy range 0.5 less than or equal to E/sub n/ less than or equal to 30 MeV, 23:5826
  - High resolution total neutron cross sections between 0.5 to 30 MeV, 23:13204 (EURFNR-591)
  - High resolution total neutron cross sections for Si, Cr, and Ni between 0.5 and 30 MeV, 25:38921 (EURFNR-591(Suppl.1))
  - High resolution total neutron cross sections for Na, Cl, K, V, Mn, and Co between 0.5 and 30 MeV, 25:38922 (EURFNR-591(Suppl.2))
  - Method for very high resolution cross-section measurements, 21:16141 (KFK-453)
  - Sector-focused cyclotron as a powerful tool for fast neutron time-of-flight research, 21:44513 (CONF-660925, pp 589-98)
  - Total n—p scattering cross section in the energy range 0.7-32 MeV, 23:51851
- KROPP, R. E. Effects of interspersed water moderation on subcritical arrays of 3.5 wt. percent pellet containers, 24:7193
  - Family of special nuclear material shipping containers, 23:579 (CONF-681001-, pp 438-47)
  - Shipping package for unirradiated power reactor fuel assemblies, 25:48863 (CONF-710801-(Vol.2), pp 873-85)
- KROPP, W. High energy neutrinos underground, 23:46599 (UCI-10-P-19-11)
- KROPP, W. R. Cosmic-ray muon intensity deep underground versus depth, 24:37288
  - Experimental test of baryon conservation, 21:37694
  - Muons produced by atmospheric neutrinos, 25:45650
  - Muons produced by atmospheric neutrinos, 25:45649
  - Upper limit on high-energy neutrinos from Weber pulses, 25:33845
- KROPP, W. R. Jr. Muon decay deep undergound, 22:34837
- KROPSCHOT, R. H. Technology of liquid helium, 23:18546
- KRORI, K. D. Application of Tolman's solutions of field equations in case of variable-density cores, 25:55696
  - Different aspects of Dirac equation at high energies, 23:27763
  - Elastic Morse scattering, 24:20035
  - General-relativistic treatment of some dense massive spheres, 25:33839
  - Integral representations of relativistic phase shifts, 23:27762
  - Mass relations in broken SU(3), 25:1582
  - Scattering by modified Gaussian potential, 25:3771
  - V symmetry in SU(3), 23:32785
- KROSHKIN, M. G. Physico—technical principles of space research, 24:19810
- KROSHKIN, N. I. Angular spectra of neutrons in ternary fission of ^{235}U, 21:25536
  - Measurement of energy spectra and average number anti τ of prompt fission neutrons, 25:10039
  - Measurement of energy spectra and average number anti τ of prompt neutrons produced in fission of actinide elements, 25:15118
- KROT, N. N. Chemical after-effects during preparation of ^{239}Np by means of neutron irradiation of uranyl salts, 22:18841
  - Chemical effects during beta decay of ^{239}U, occurring in solutions in uranyl form, 22:27843
  - Concerning the radiation method of obtaining septivalent neptunium and plutonium, 23:40708
  - Disproportionation of Pu(V) in oxalate solutions, 21:32175
  - Effect of anions on the kinetics of spontaneous oxidation of trivalent uranium in aqueous solutions, 24:38843
  - Electrolytic reduction of uranyl ions in oxalate solutions, 24:9314
  - Heptavalent state of neptunium and plutonium, 24:210
  - Heptavalent state of neptunium and plutonium, 25:57404
  - Heptavalent state of transuranic elements, 24:16495
  - Heptavalent state of transuranic elements. VII, 24:38848
  - Heptavalent state of transuranic elements. VIII, 24:38849
  - Heptavalent state of transuranic elements. IX, 24:38850
  - Heptavalent state of transuranic elements. IX, 25:15568
  - Heptavalent state of transuranium elements, 22:50975
  - Heptavalent state of transuranium elements. III, 23:21694
  - Heptavalent state of transuranium elements. IV, 23:21695
  - Heptavalent state of transuranium elements. II, 23:21693
  - Heptavalent state of transuranium elements. VI, 24:9322
  - Heptavalent state of transuranium elements. V, 24:9318
  - Heptavalent state of transuranium elements. XII, 25:57412
  - Interaction of neptunium with hydrogen peroxide in concentrated solutions of nitric acid, 25:57414
  - Investigation of the kinetics of the disproportionation of Np(V) in oxalate solutions, 22:10230
  - Kinetics of spontaneous oxidation of trivalent uranium in chloride solutions, 24:38842
  - Method for the preparation of neptunium in the 7-valent state, 22:48846 (ANL-Trans-670)
  - Methods of heptavalent neptunium production, 22:45058
  - Oxalate compounds of hexavalent neptunium, 23:43312
  - Preparation of aqueous solutions of trivalent uranium, 21:17637
  - Preparation of neptunium and plutonium in the 7-valent state, 22:14486 (ANL-Trans-574)
  - Radiation-chemical oxidation of Np(VI) into Np(VII) in aqueous solutions, 24:29315
  - Separation of oxalate complexes and Np(V) ethylenediaminetetraacetates in solid state, 25:6336
  - Seven-valent state of transuranium elements, 23:2258 (ANL-Trans-678)
  - Sulfate complex of trivalent uranium and potassium, 22:16494
  - Types of tetravalent plutonium in oxalate solutions, 23:4635
- KROT, V. I. Chemical protection of the structure-generating properties of nucleoproteins against the effects of ionizing radiation, 22:31143
  - Effects of ionizing radiation on DNP systems, 24:7748

Mechanism of structural protection of DNP by certain protectors, 23:29581
KROTENKO, A. P. Separation of ^{22}Na and ^{24}Mg by ion exchange on KY-2 resin, 22:23118
KROTENKO, V. T. Inelastic scattering of slow neutrons by polyethylene, 24:3833
KROTIKOV, V. A. Testing of organosilicate press-material in reactor, 25:13330
KROTIKOV, V. D. Measurement of radio emission from the moon in the 30 to 60 cm band, 22:828
  Polarization of the integral radio emission of the moon, 22:52461
  Results of measurements of lunar radio emission at 25.0 and 30.2 cm, 22:7099
KROTKOV, F. G. Development of Soviet radiation hygiene, 23:14158 (TT-67-51409/4, pp 215-21)
  Health problems in radiation accidents, 24:7886
KROTKOV, R. V. Quenching of metastable hydrogen, 24:12645
KROTO, H. W. Chlorine isotope effects on the ^{19}F resonance of CCl_3F and the use of this signal as a reference in high-resolution nuclear magnetic resonance, 23:17420
KROTOSZYNER, J. P. Counting of ^{14}C-labeled organic molecules by liquid scintillation, 21:3001
  Retention of ^{90}Sr in soil, 21:8440
KROTOV, M. F. Measurement of plasma radiation in the millimeter region using interference filters, 24:49121
KROTOV, V. V. Particle motion in a retarding medium in a homogeneous magnetic field and processing of the data obtained with a bubble chamber, 21:1596
KROTOVA, S. I. Effect of therapeutic intervention on the long-term consequences of poisoning with the fission products of uranium, 23:22277 (AEC-tr-6944, pp 703-9)
KROTOVICH, Yu. Radiometric azimuthal probe, 22:33678
KROTOWICZ, J. Apparatus for tritium measurements in coincidence scheme, 25:48923
KROTOWICZ, Jerzy Isotopic indicators in the investigation of underground water flow, 21:22031
KROUGULSKI, T. Prompt neutrons from spontaneous ternary fission of ^{252}Cf, 24:38290
KROUPA, J. Fat embolism and radiation sickness, 23:50338
KROUPINE, Youri Correlation between the indices R_{12} and PHI/sub F2/ relative to ionospheric propagation, 24:19807
KROUPP, M. Self-diffusion measurements of oxygen in UO_2 by the nuclear reaction $^{18}O(p,\gamma)^{19}F$, 25:16581
KROUSE, H. R. Isotopic composition of S in carbonatite at Mountain Pass, California, 25:51647
  Microbiological activity and its effects on isotopic studies of water, 21:36142
  Sulfur isotope fractionation and kinetic studies of sulfite reduction in S. heidelberg, 22:40613
  Sulfur isotope fractionation by Salmonella species, 21:10764
  Tellurium isotope fractionation study, 23:26254
KROUSE, H. Roy Isotopic composition of S and sulfate, 23:22708
KROUTIL, M. Changes in the effect of some inhalation anesthetics during trichlorotriethylamine intoxication, 22:8624
KROWN, F. Threshold doses for conditioned avoidance behavior using low dose rate gamma radiations, 22:51891
KROY, Walter Proportional counter for low-energy γ radiation, 21:10635
KRPATA, J. Spectrographic study of EW LAC. I, 25:30098
KRPIC, D. Conversion ratios for M1 + E2 transitions, 25:20473
  K/L_1, M/L, and (N + O + ...)/M ratios for 239-keV M1 transition in ^{212}Bi, 23:23736
  Penetration parameter for M1 conversion and E2 admixtures for 77 and 191 keV transitions in ^{197}Au, 25:36789
KRS, M. Intensity of earth's magnetic field in geological past, 21:39896
KRSMANOVIC-SIMIC, D. Action of ultraviolet rays on bacteriophage lambda, 22:40560
  Repair mechanism in irradiated cells, 24:34784
  Repair of radioinduced dimers of pyrimidines in DNA of bacteriophage lambda, 24:6153
KRSMANOVIC-SIMIC, Draga Complementary action of recombination and excision in the repair of ultraviolet irradiation damage to DNA, 24:39434
  Effects of thermal denaturation on the radiolytic yield of DNA in solid phase, 21:20051
KRSNIK, R. Enchancement of superconductivity in rapidly quenched samples of aluminum alloys, 25:49833
  Enhanced superconductivity in ultrarapidly quenched bulk Al—Cu alloy, 25:5056
KRSTANOV, D. K. Method for deactivating contaminated surfaces by film, 25:21266 (AEC-tr-7218)
KRSTIC, Dimitrije First Yugoslav pilot-plant for continuous production of U and UO_2, 21:32847
KRSTIC, Dj. Measurements of the thermal conductivity and electrical resistivity of high-alloy ferritic steels, 24:992 (NIJS-P-245)
  Thermal conductivity of pitch-bonded graphites, 22:34129 (NIJS-R-517)
KRSUL, J. R. Tritium in the EBR-II reactor complex, 25:41560
KRSUL, John R. Spectrophotometric and radiochemical determination of zirconium by selective extraction with N-benzoyl-N-phenylhydroxylamine, 24:48041
KRTIL, J. Comparison of quantitative and substoichiometric determination of caesium from fission products with nitrobenzene solution of lithium dipicrylaminate, 23:2253
  Determination of burn-up of nuclear fuel, 24:18913
  Determination of burn-up of nuclear fuel on basis of stable isotopes of Nd. I, 25:10461
  Determination of burn-up of nuclear fuel on the basis of stable isotopes of Nd. II, 25:10469
  Determination of Ce in fission products by extraction with Di(2-ethylhexyl)phosphoric acid, 22:33271
  Determination of radiocerium in fission products mixture by reversed phase partition chromatography with di(2-ethylhexyl)phosphoric acid, 22:42595 (UJV-1978)
  Determination of radiocerium in fission products, 23:46
  Determination of radiocesium in fission products by sorption on ammonium phosphomolybdate, 22:27880
  Determination of radiocesium in fission products, 23:49695 (UJV-2241-CH)
  Exchange properties of uranium ferrocyanide, 21:25955
  Extraction and separation of ^{137}Cs and ^{86}Rb by means of 4-t-butyl-2(α-methylbenzyl)phenol, 25:23702
  Ion-exchange properties of ammonium salts of heteropolyacids. VII, 21:28060
  Isolation of ^{95}Zr—^{95}Nb from solution of fission products, 25:8214
  Isolation of radiocesium from a fission product mixture, 23:404
  Isolation of radiocesium from a fission product mixture by means of sorption on vanadium(IV) hexacyanoferrate, 23:49898 (UJV-2242-CH)
  Isolation of radioruthenium from fission products of U, 24:48044
  Isolation of radioruthenium from fission product mixtures by distillation, 25:32058
  Isolation of stable isotopes of Nd, 24:19066
  Nuclear fuel burn-up in irradiated UO_2, 24:22600
  Radiochemical methods of determination of nuclear fuel burn-up, 21:25928 (UJV-1633)
  Separation of radiocerium, 23:28991
KRTIL, Josef Determination of burnup of fuel by radiochemical method with aid of ^{137}Cs and ^{144}Ce, 24:33640
  Determination of percent burn-up of the nuclear fuel on the basis of the measuring of the stable isotopes of neodymium, 25:15485
  Ion exchange properties of V ferrocyanide. I, 21:3153
  Method using a radioactive reagent in analytical chemistry, 23:17331
  Radiochemical methods of nuclear fuel burn-up, 21:25800
KRUBASIK, E. Elastic scattering of ^{16}O on ^{9}Be, ^{10}B, and ^{12}C, 23:10950
  Transfer reaction by the bombardment of ^{10}B with ^{16}O and ^{14}N, 23:13213
KRUBASIK, E. G. Absorption corrections or B-exchange as major secondary contribution in $\pi^+ \rightarrow \omega p$, 25:41010
KRUCHININ, S. P. Cherenkov differential gas counter, 21:292
  Deck's effect in reaction $\pi^-p \rightarrow$ rho$^0\pi^-p$ at 4.45 GeV/c, 25:38660 (ITEF-790)
  Interaction $\pi^-\pi^-$ in the reaction $\pi^-p \rightarrow N^{*++}(1236)\pi^-\pi^-$ with impulse 4.47 GeV/c, 25:9655 (ITEF-767)
  Pi$^-\pi^-$ interaction in the reaction $\pi^-p \rightarrow N^{*++}(1236)\pi^-\pi^-$ at 4.45 GeV/c, 24:51975
  Reaction $\pi^-p \rightarrow$ rho$^0\pi^-p$ with impulse 4.45 GeV/c, 25:9656 (ITEF-775)
KRUCHININA, E. G. Devise for reducing the radiation stress of a roentgenologist in angiography, 23:47882
KRUCHOWY, R. Performance of SNAP-8 lubrication and coolant subsystems, 23:31210 (N-69-20828)
KRUCK, P. H. Small and medium-size power reactors, 23:21502
KRUCK, Peter H. Future prospects for nuclear power stations, 23:17179
KRUCK, T. P. A. Production of ^{67}Cu, 25:38961
KRUECKE, E. Dependence of diffusion coefficient on concentration, 24:9207 (UCRL-Trans-10418)
KRUECKEBERG, Ch. Production of einsteinium in reactors at median neutron flux, 25:50721 (KFK-1338)
KRUECKELS, W. Heat transfer on fins and model finned-tubes, 24:24927
KRUECKEMEIER, Willi Significance of quality control for the serviceability of nuclear power plants, 25:37552
KRUECKEMEYER, K. Radiotherapy and cytostatic therapy of rhabdomyosarcoma, 22:31171
KRUECKEMEYER, R. Treatment of malignant tumors, 22:43382
KRUEGER, A. Flares with IV-type bursts and corona in 11-year cycle, 21:3602
  Heterogeneous isotope exchange between iron and dissolved iron ions, 24:29249
  Interplanetary sector structure and solar radio emission, 22:36667
  Investigations of type III/V bursts of solar radio emission. I, 21:6962
  Investigations on type III/V bursts of solar radio emission. II, 21:6963
  Optical and radio phenomena of active regions in minimum of solar activity, 23:14526
  Radio emission of spotgroups, 23:36438
  Relation between optical and radio phenomena of the Sun, 22:52464
  Slowly varying component of solar radio emission during the proton flare period of July 1966, 23:22781
  Solar radio bursts in the frequency range 536 to 2000 Mc, 21:28947
KRUEGER, A. F. Prog. rpt. on radiation effects on thin-film integrated circuit elements, 10/15/66—1/14/67, 21:39654 (AD-651144)
  Prog. rpt. on radiation effects on thin-film microelectronics, final, 7/15/65—10/14/66, 22:710 (AD-648742)
  Transient radiation response of film field effect transistors, 21:6393
KRUEGER, Albert P. Mechanism of air-ion-induced growth stimulation in H. vulgaris, 21:30930
KRUEGER, David A. Finite geometries and ideal Bose gases, 22:39221
  Impossibility of Bose condensation or superconductivity in partially finite geometries, 21:39947
  Ordered systems in finite and partially finite geometries, 24:15233
KRUEGER, David Allen Finite-geometry effects in systems with condensation, 22:52693
KRUEGER, E. Closure of extensive cheek defects following radiotherapy, 22:31200
KRUEGER, Earl C. Radioisotope-fueled organic Rankine power system, 25:4225
KRUEGER, F. W. Buildup factors for low energy γ-radiation, 21:42154
  Calculation of radiation field of directionally radiation point source of γ-quanta with method of moments, 24:45301 (ORNL-tr-2330)
  Design of radiation shields against gamma-radiation from spent nuclear fuels, 25:25198 (ORNL-tr-2437)
  Elimination of ^{131}I in bronchotracheal secretions of guinea pigs. III, 23:29329
  Energy flux of gamma radiation for deep penetration, 21:35211
  Energy flux of gamma radiation for large depths of penetration, 22:7339 (ORNL-tr-1793)
  Excretion of ^{131}I in the bronchotracheal secretion of laboratory animals, 22:431
  Gamma-radiation shielding with ordinary concrete, 24:28399 (ORNL-tr-1818)
  Gamma-ray shielding by high-density concretes with densities from 3.2 up to 3.8 g/cm^3, 25:3172
  Gamma-ray shielding by high-density concretes with densities from 3.2 up to 3.8 g/cm^3, 25:25197 (ORNL-tr-2424)
  Layout of radiation shields against gamma-radiation from spent nuclear fuel, 25:11948
  Problems of radiation shielding design in pressurized-water reactor nuclear power plants, 25:51062
  Radiation field of a collimated gamma-ray point source, 24:31601
  Radiation protection in Rheinsberg nuclear power plant, 24:52846
  Radiation shielding of a cylindrical self-absorbing source in the axial direction, 24:35521 (ORNL-tr-2319)
  Shielding of γ radiation by ordinary concrete, 22:50215
  Shielding of radiation flux from a cylindrical self-absorbing source in axial direction, 24:21844
KRUEGER, G. Functioning of a radiometric belt weightometer; experience in its design and testing, 24:41702 (NP-tr-1917)
  MESPRO 64: operating system for integrated computer installation MIDAS, 23:28563 (ORNL-tr-1131)
  On-line computer systems for experimental nuclear physics at Karlsruhe, 24:511 (KFK-982)
  Operation system for many-fold access in laboratory automation, 24:21037 (KFK-929)
  Radiometric determination of tool wear in steel wire drawing, 24:14673
KRUEGER, G. J. Self-diffusion of liquid ^{6}Li and ^{7}Li, 25:26238
KRUEGER, H. Cross section of hydrogen 2^2 S/sub 1/2/ state and excitation of H/sub α/ and H/sub β/ line by electron impact, 22:41324
  Depth dependence of LET spectra for fast neutrons in human trunk phantom, 24:44486 (EUR-4452, pp 813-28)
  Determination of quality factor for 15 MeV neutrons, 24:34335
  Dosimetry of fast neutrons by microdosimetric methods, 24:27431 (CONF-690540-, pp 576-85)
  Effective masses of electron jack, hole octahedron, and ellipsoids of Mo, 24:51831
  Effects of radioprotective substances on front eye section after action of fast neutrons, 22:12875
  High-energy scattering by a superposition of two power potentials, 22:53033
  Inverse problem in atom—atom scattering in WKB approach, 23:3268
  Investigation of the ^{192}Ir and ^{194}Ir level structures, 24:47600
  Line form of NaI(Tl) pair spectrometers, 21:19956
  Low-energy scattering by singular potentials in linearized approximation to Calogero's equation, 21:42451
  Microdosimetric measurements of fast neutrons by means of a tissue-equivalent proportional counter of 1 cm diameter, 25:21450
  Neutron capture γ-rays from ^{192}Ir and ^{194}Ir, 25:46039
  Neutron microdosimetry for rabbit eye, 25:4521
  New approach to potential scattering. III, 21:35510
  Pair spectrometer: Ge(Li)-NaI(Tl), 25:6554 (IKF-26)
  RBE of fast neutrons and their tissue-equivalence dosimetry, 23:48210
  RBE values for fast neutrons, 24:848
KRUEGER, Helmut Studies of RBE of 14 MeV neutrons in laboratory animals and HeLa cells, 24:23362
KRUEGER, J. Allotropic transformation and thermal expansion of Co binary alloys between 100 and 800°C. I, 25:29899
  Behavior of N at electron beam melting of V, 24:25669
  Calculation of pulsed two-dimensional magnetic field by assumed coil geometry, 22:44067 (JUL-513-PP)
  Lung scanning as a screening method for cancer of the lung, 23:35809
  Muon capture in ^{6}Li, 23:28260
  Transport and loading of the fuel elements, 23:15586
  Transverse form factors of ^{7}Li, 24:43151
  Vacuum in extractive metallurgy, 23:26988
KRUEGER, J. G. Energy principle for gravitational and magnetodynamic stability with application to force-free fields, 21:31167
  Least stable mode in cylindrical systems, 23:1498
KRUEGER, Jan Stability problems in plasma kinetic theory, 22:46157
KRUEGER, K. Reactions ^{6}Li + n, going to T = 1 final states in ^{6}Li and ^{6}He, 23:25826
  Reactions $^{6}Li(n,p)^{6}He(0)$ and $^{6}Li(n,n')^{6}Li(3.56)$, 23:37116
KRUEGER, M. Secondary circuit quench tanks for Dragon reactor, 24:52886 (DP-Report-223)
KRUEGER, Margery Ages of Pu—Be neutrons in W-water media, 21:7634 (NASA-TN-D-3695)
KRUEGER, P. System of superconducting coils 5 cm, 17 cm, and 35 cm in diameter, 22:46106 (IPP-4/60)

- KRUEGER, P. J. Correlation between stereochemistry of quinolizidine alkaloids and their infrared spectra, 23:180
- KRUEGER, R. G. Analysis instrumentation. VI, 23:41177
- KRUEGER, T. K. Electron collisions with ions of the $3p^3$ configuration, 21:18431
  - Excitation of forbidden lines: calculations for the $2p^3$, $2p^4$, $3p^3$, and $3p^4$ isoelectronic sequences, 22:17349
  - Excitation of metastable levels in low-density nebular plasmas: [SII] and [ArIV], 24:35054
  - Some forbidden-line intensity ratios in gaseous nebulae, 24:35034
  - Yttrium abundance in the Sun, 22:36643
- KRUEGER, U. System Fe—W—Zn, 23:3085
- KRUEGER, W. Experimental investigation of loop caused influences on parallel flow-induced vibration of fuel pins, 25:44119 (EURFNR-923)
  - Experimental investigation of loop caused influences on parallel flow-induced vibration of fuel pins, 25:48249 (KFK-1385)
  - Investigation of natural frequency of normal and elongated function, 25:36993 (KFK-1337)
  - Study of natural frequencies, normal and expansion modes as well as damping of fuel pins of instrumented subassembly mock-up of fast breeder reactor design Na-1/2, 25:54095 (EURFNR-903)
  - Velocity of particles ejected from Cu surface during bombardment with Ar^+ ions, 24:44974
- KRUEGER, Woodrow B. Neutron activation analysis of manganese and sodium in bacterial cells, 25:10511
- KRUELLE, G. Investigations on plasma thrusters with thermal and self-magnetic acceleration, 21:16922
  - Phenomenology and energy balance of arc cathodes at low pressures and high current strengths, 23:39462
  - Spoke phenomenon in MPD operation, 23:20909
  - Study on continuously working, axially symmetric plasma machine with electromagnetic acceleration, 21:25136
- KRUELLE, Gerhard Electromagnetic velocity generation in electric arc jet engines, 21:46210 (LA-tr-67-33)
  - Velocity achievement in electric arc-jet engines, 21:2082
- KRUER, W. Anomalous heating of plasmas by laser irradiation, 25:25082 (MATT-817)
- KRUER, W. L. Anomalous damping of large-amplitude electron plasma oscillations, 25:1257
  - Anomalous damping of large-amplitude electron plasma oscillations, 25:47578 (AD-715074)
  - Anomalous heating of plasma electrons, 25:27675
  - Anomalous heating of plasmas driven by a large transverse field at approximately 2 (Ω/sub PE/), 25:47496 (AD-715073)
  - Anomalous high-frequency resistivity and heating of a plasma, 24:28224 (MATT-756)
  - Anomalous high-frequency resistivity and heating of a plasma, 24:35456
  - Electrostatic oscillations of a non-Maxwellian plasma, 23:1414 (LA-3990, pp A2.1-7)
  - Particle orbits in two waves of arbitrary amplitude, 25:9477
  - Sideband instability, 24:51706
  - Trapped-particle instability, 23:51688
- KRUER, William L. Some investigations of wave—particle interactions, 24:47285
- KRUESI, Paul R. Rare earths, 22:31317
- KRUETZ, E. W. X-ray induced conductivity changes in InSb, 22:34789
- KRUG, H. Search for T = 1/2 states in ^3He by elastic scattering of protons on deuterium, 22:1592
- KRUG, H. E. Derivation of a point kernel for neutron attenuation, 21:7661
  - Isotopic concentrations in Yankee Core I, 23:37421
- KRUG, J. Experiments on emissions from nuclear reaction $^{11}B(p,3\alpha)$ at 675-keV resonance, 21:25459
- KRUG, M. P. Solubility of nitrogen in alpha vanadium, 25:55475
- KRUG, Marion P. Anisotropic thermal expansion of crystal lattice of α Hf, 25:2751
  - Vanadium—oxygen system, 24:32512
- KRUG, W. Natural circulation loops for gas-cooled fuel elements, 22:42373
- KRUG, Wolfgang Preliminary thermodynamic tests of He-cooled fuel element loop LV 17 with natural rotational cooling, 24:31102 (JUL-630-RW)
  - Requirements for gas coolant for an irradiation circuit, 24:31101 (JUL-629-RW)
- KRUGER, A. Solar radio bursts in range 536 to 2000 Mc, 22:28982
- KRUGER, C. H. Boundary phenomena in MHD generators, 22:41397 (AD-668454)
  - Diagnostics of MHD generator plasmas, 21:46194 (N-67-25075)
  - Electrode temperature effect on MHD generator performance, 23:30379 (AD-683793)
  - Electron distribution function for a nonequipartition plasma in a strong electric field, 23:48913
  - Kinetic theory of two-temperature plasma, 21:42065
  - Nonelastic collisions in partially ionized gases. II, 24:15325
  - Nonelastic collisions in partially ionized gases. I, 24:15324
  - Transport properties of MHD-generator plasmas, 22:45986
- KRUGER, Charles H. Experiments on Hartmann channel flow in plasmas, 24:8383
  - Nonequilibrium in confined-arc plasmas, 24:37462
- KRUGER, G. FFTF backup design interface definition discussion of system requirements, 25:10266 (GEAP-5721)
- KRUGER, G. B. SEFOR operating experience, 25:44128 (CONF-710315-20)
- KRUGER, J. Radiation protection and control at National Institute for Metallurgy, 1960—69, 25:46855 (PEL-188)
  - Transverse form factors of ^7Li, 24:10919
- KRUGER, Lawrence Dendritic degeneration in cerebral cortex from laminar lesions, 24:29713
  - Electron microscopic study of cerebral cortex following alpha-particle irradiation, 21:6676
- KRUGER, M. Air handling plant of Obrigheim nuclear power station, 25:28545
- KRUGER, Magdalena M. Determination of ruthenium in uranyl fluoride, 25:31791 (NIM-1043)
  - Determination of ruthenium in uranyl fluoride, 25:31792 (NIM-1044)
- KRUGER, O. L Lattice constants and melting points of actinide-group IVA—VIA compounds with NaCl-type structures, 22:8061
- KRUGER, O. L. Battelle's research plutonium facility environmental control and safety, 25:54959 (CONF-710401-, pp 280-92)
  - Compressive creep of UO_2—22 percent PuO_2, 25:4861
  - Densification processes of actinide IVA—VIA compounds, 23:34087
  - Electrical and thermal properties of some actinide compounds, 22:26085
  - Electrical properties of PuC, PuP, and PuS, 21:13631
  - Magnetic properties of plutonium monophosphide, 24:10641
  - Performance of mixed-carbide fuel rods under fast-reactor conditions, 22:4912
  - Preparation and properties of some groups V and VI compounds of Pu, 21:32959
  - Sintering characteristics and properties of PuS and PuP, 21:13245
  - Thermal conductivity and heat capacity of UC, UP, and US, 21:36920
  - Thermal conductivity and heat capacity of the monophosphide and monosulfide of plutonium, 22:45818
  - Thermal creep of polycrystalline UO_2—PuO_2, 25:11496
  - Thermal diffusivity of actinide compounds, 23:6739
- KRUGER, Owen L. Conference on ceramic nuclear fuels, Washington, D. C., 5/69, 24:10134
  - Enthalpies of formation of PuO_2 and PuN, 23:27151
  - Enthalpy of formation of plutonium monocarbide, 24:51213
  - Heat capacity and thermodynamic properties of plutonium dioxide, 23:6744
  - Preparation of plutonium monosulfide and plutonium monophosphide, 21:89
  - Uranium carbide—plutonium phosphide as a reactor fuel, 22:11037
- KRUGER, P. Activation analysis of stable nuclides, 24:111
  - Ground water study program: production of long-lived fission products and thermal neutron-induced radionuclides in underground nuclear explosions, 22:21224 (HNS-22)
- KRUGER, P. G. A superconducting quadrupole lens, 21:7609
  - Multipole magnet, 23:10891
  - Quadrupole magnet, 22:5703
- KRUGER, P. Gerald Coil configurations (Nb_3—Sn) for accelerators. I, 22:32297 (CEAL-2000, pp 391-2)
  - Coil configurations (Nb_3—Sn) for accelerators. II, 22:32352 (CEAL-2000, pp A150-1)
  - Fields owing to currents in Nb_3—Sn in quadrupole lenses, 21:17206 (CONF-660918-, pp 262-3)
  - Some construction details for superconducting magnets for FFAG accelerators, 23:28184
- KRUGER, Paul Activation analysis for estuarine tracer studies, 24:5616
  - Contamination of ground water by underground nuclear detonations. I, 22:21182 (HNS-9)
  - Determination of V in Colorado River waters, 21:35863
  - Determination of vanadium in natural waters by neutron activation analysis, 24:9263
  - Electron activation analysis for the determination of carbon in submicrogram quantities of virus, 21:12326
  - Influence of inversions upon precipitation deposition of radioactive aerosols, 21:6043
  - Lead-210 in surface air along slopes of Mauna Loa volcano, Hawaii, 24:16704 (SU-326-PA-16-3)
  - Methods of assessing fallout, 21:14154
  - Neutron activation analysis of V in natural waters, 24:112
  - Nuclear explosives engineering at Stanford Univ, 24:27278
  - Outline syllabus on nuclear civil engineering, 22:199 (TID-23748)
  - Principles of activation analysis, 25:39469
  - Prog. rpt. on meteorological evaluation of radioactive fallout, 1960-64, 21:1456 (HNS-457-73-F)
  - Radiochemical study of trade wind inversion at Hawaii, 21:20183 (SU-326-P-16-2)
  - Recovery of high-viscosity petroleum by steam from geothermal heat, 25:4174
  - Recovery of high-viscosity petroleum by steam from geothermal heat, 25:37521
  - Summary of USSR reports on mechanical and radioactivity effects of underground nuclear explosions, 24:41492 (CONF-700101-(Vol.1), pp 439-62)
  - Technology of nuclear explosions for peaceful uses, 25:8388
  - Transport of radioactive aerosols across the trade wind inversion at Hawaii, 21:41026
  - University courses in nuclear civil engineering, 24:27273
  - Use of a rubble chimney for denitrification of irrigation return waters, 24:41531 (CONF-700101-(Vol.2), pp 1222-45)
  - Use of nuclear explosives for water resources development in arid regions, 25:48685 (SU-326-P-31-2)
  - Vanadium concentrations in Colorado River Basin waters, 23:13685
- KRUGER, Robert A. Film boiling inside horizontal tubes, 21:43181
- KRUGER, S. T. Cosmic-ray-produced ^3H and ^3He in stony meteorites, 22:41274
  - Natural tritium, 21:3179
  - Prog. rpt. on cross sections of ^3H, ^3He, ^4He, and ^{14}C in bombardment of carbon and oxygen with high-energy protons, annual, 2/28/70, 24:28704 (TID-25379)
- KRUGER, T. K. Collision strengths for transitions in ions with configurations $3p^3$, 24:35044
- KRUGER, V. R. Characterization of multichannel sources and design of molecular beam systems for their utilization, 23:20664 (UCRL-17859)
- KRUGLER, Joel I. Low-energy electron scattering in the random-phase approximation, 25:52640
- KRUGLIAKOV, E. P. Electron-optical method of recording Thomson scattering of light of a ruby laser by a plasma, 21:46317 (LA-tr-67-77)
- KRUGLIK, G. S. Collective states and statistics of systems of identical atoms, 25:56397
- KRUGLIKOV, B. P. Rapid determination of ^{137}Cs in veterinary control samples, 23:838
- KRUGLIKOV, R. I. Characteristics of short-lived memory of rats subjected to radiation trauma during their intrauterine period, 24:48680
- KRUGLOFF, A. S. Nature of luminescence induced by plastic deformation and light illumination of γ-irradiated KCl crystals, 21:40111
- KRUGLOV, A. B. Experience in operation of MR multi-loop research reactor, 25:39290 (LB/G-3002)
  - Physical properties of loops and experiment holes in MR reactor, 25:39298 (LB/G-3010)
  - Testing experimental fuel assemblies for power reactors in MR reactor, 25:39293 (LB/G-3005)
  - Use of MP research reactor for testing fuel elements and materials for power reactor, 25:54187 (A/CONF.49/P-720)
- KRUGLOV, A. S. Effects of radioinduced defects on certain mechanical properties of materials, 25:40061 (FEI-192)
  - Luminescence of γ-irradiated KCl crystals induced by plastic deformation, 21:7345
  - Neutron irradiation effect on yield stress of copper solid solution alloys, 23:43993
- KRUGLOV, E. M. Microphones for recording several particles in the acoustic spark chamber, 21:39243
  - Spark chamber discharger controlled by low amplitude pulses, 21:39244
- KRUGLOV, S. A. Vacuum system of the stellarator Sirius, 23:12757
- KRUGLOV, S. P. Cherenkov spectrometer for high-energy photons and electrons, 23:31546
  - Energy spectra of electrons produced in light materials by bremsstrahlung, 22:3152
  - Ionization chamber for measuring energy losses of bremsstrahlung from absorption calorimeter, 21:16182
  - New type of quantometer (Gauss quantometer) for measuring bremsstrahlung beam energies, 21:14446
  - Quantameter, 24:35773
  - Sensitivity of a quantometer at energies from 0.6 to 1.5 GeV, 23:33482
  - Spark chamber discharger controlled by low amplitude pulses, 21:39244
  - Spectrometric characteristics of the total absorption Cherenkov counter within the nanosecond time region, 25:44678 (CERN-Trans-71-11)
  - Transistorized three-channel generator of nanosecond pulses, 22:36148
  - Use of quantameters of various types for measurement of total bremsstrahlung beam energy, 22:46687
  - Use of scintillation gamma spectrometer as a calibration quantometer, 22:30853
  - Wire spark chamber of discrete operation, 22:38089
  - Wire spark chamber system with magnetostrictive information retrieval, 25:8552
- KRUGLOV, V. I. Change of drift mobility in amorphous layers of arsenic selenide under irradiation, 23:12968
- KRUGLOV, V. P. Calculations of radio-wave refraction in horizontally non-homogeneous troposphere and ionosphere, 22:2920
- KRUGLOV, V. T. Biological action and kinetics of accumulation of ^{90}Sr in the organism of cattle, 25:24345
  - Decontamination of stock farms, 24:6055
  - Nonspecific allergic reactions in sheep in chronic radiation sickness, 25:10989
  - Strontium-90 uptake by agricultural plants and animals, 25:11050
- KRUGLOVA, I. M. Diagonalization method for calculating atomic system resonances, 22:34259
  - Resonance photoionization of helium and helium-like ions, 25:9239
- KRUGLYAK, Yu. A. Electron structure of radicals of γ-irradiated glycine and tyrosine, 23:26296
  - Radial dependence of the effective charges in two-electron atoms, 22:29192
  - Temperature dependence of EPR spectra on EPR γ irradiated butylbutyramide, 22:27831
- KRUGLYAKOV, E. P. Electrode phenomena and the acceleration of plasma, 25:56153
  - Optical interferometry of plasma, 21:15105 (NP-16554)
  - System for ultrafast registration of spectral line shapes, 21:4689 (NP-16394)
  - Thomson scattering of ruby laser light behind a collisionless shockwave front, 23:51605 (NP-tr-1840)
- KRUGLYAKOVA, K. E. Kinetics of denaturing of DNA on ultraviolet irradiation, 22:28382
  - Protection of DNA against radioinduced fractionation with propylgallate, 21:12946
  - Protective action of propyl gallate in radiolysis of aqueous DNA, 23:2348
  - Protective action of propyl gallate in the radiolysis of aqueous DNA solutions, 23:9430
  - Radiation properties of DNA, 22:47480
- KRUGLYI, M. S. Electric breakdown in plastics irradiated with charged particles, 25:2225
  - Mechanism of the formation of tree-shaped channels in charged-particle irradiated dielectrics, 25:29100
- KRUGLYKH, A. A. Evaporation rate of beryllium during dissociation of cerium beryllide, 21:3499
  - Oxidation of cerium prepared by zonal melting method, 21:39635
  - Some possibilities of zone melting for purification of molybdenum and vanadium, 21:34872

  Vapor pressure of molybdenum as related to purity, 21:36852
  Vapor pressure of scandium and yttrium rare earth metals, 21:4528
KRUGLYKH, A. D. Zone refining of molybdenum, 21:3477
KRUGLYSKEVA, K. E. Nature of extremely feeble glow of irradiated solutions of deoxyribonucleic acid (DNA), 23:33625 (AD-843709)
KRUGOVAYA, L. M. Levels of ^{24}Mg by means of electron scattering, 23:42877
KRUH, J. Role of the radioisotopes in the study of the mechanisms of protein biosynthesis, 23:50240
KRUIDHOF, E. W. Fabrication of encapsulated Ge(Li) detectors for γ-spectroscopy, 23:9697 (EUR-4063)
KRUILKO, V. I. Kinetic theory of surface waves in a plasma waveguide, 21:15150
KRUIVER, P. J. G. Present state of analysis of Nd I and Nd II, 25:58705
KRUK, Wieslaw Zbigniew Whole body counter research in radiobiology, nuclear medicine, and clinical medicine, 21:32395
KRUKONIS, A. P. Perchlorodiphenylmethyl stable free radical. X-ray analysis of a disordered mixed crystal, 25:48493
KRUKOVSKAYA, E. L. Complexometric titration of rare-earth metals with N-methylanabasineazo-p-cresol ([3-(1-methyl-2-piperidyl)-2-pyridylazo]-p-cresol) as indicator, 23:9329
  Titration of Ce in mixture with Al, Cu, or Fe, 24:11414
KRUKOVSKII, V. K. Covering graphite with niobium from a vapor—gas mixture, 25:8917
KRULIKOVSKAYA, I. P. Effects of γ-irradiation on degradation of austenite in steel, 24:27803
KRULIKOVSKAYA, M. P. Structure of gamma-irradiated metals, 24:14820
KRULISCH, A. H. Energy dependence of the pulse height defect in silicon particle detectors, 21:45423
  Transient response of surface barrier detectors as a function of fission fragment energy, 21:41233
KRULL, Charles F. Genetic variability in oats following hybridization and irradiation, 21:12812
KRULL, W. Cobalt-60 gamma irradiation device, 24:19172
  Device for sample irradiation, 24:31107
  Experimental arrangement of the second core of the FDR, 22:46996
  Influence of irradiation device on neutron flux density and reactivity in the reactor, 24:22452
  Method for measuring the thermal neutron flux distribution in and at a central fuel rod and central poison rods in a fuel element cluster, 24:41068
  Neutron flux distribution in and before thermal column of research reactor FRG-1, 24:38611
  Sample irradiation facility in beam tube at reactor FRG-1, 23:52420
  Thermal neutron flux density measurements with activation detectors in FDR-O experiment, 22:46983
KRULL, W. E. Anisotropy in plastic flow of a Ti—8Al—1Mo—1V alloy, 23:30082
KRUMBEIN, A. D. Analysis of xenon transients in large pressurized water reactors, 23:37466
  Buildup factors for point monoenergetic low-energy photon sources in air, 21:7303
  Nuclear analysis of the LaCrosse BWR, 24:33182
  Proof Test Facility preliminary safety analysis report, 22:18552 (DOCKET-50290-1)
KRUMBIEGEL, P. Isotope effects in autoxidation. V, 24:41273
  Isotope effects in autoxidation. VII, 25:6317
  Isotope effects in autoxidation. II, 22:33320
KRUMBIEGEL, Peter Isotope effects in autoxidations, 22:10217
  Isotope effects in autoxidations, 22:50987
  Large reaction kinetic hydrogen—deuterium isotope effect from the viewpoint of its use, 24:48079
KRUMDIECK, Carlos L. Radioactive assay of folic acid polyglutamate conjugase(s), 24:33646
KRUMEL, Karl L. Liquid-phase thermal decomposition of oxalates, 23:31335
KRUMHANSL, J. A. Atomic tunneling in solids, 22:13536 (NYO-3699-22)
  Dynamics and thermal properties of one and three dimensional molecular models of Li defects in KCl, 22:5419 (NYO-2391-24)
  High pressure behavior of solid H_2, D_2, ^{3}He, ^{4}He, and ^{20}Ne, 25:37204 (NYO-3699-51)
  Incoherent neutron scattering from cubic crystals with point defects, 23:3588
  Pair effects in random lattices; a generalized c.p.a. and its equivalence to diagrammatic expansions, 25:46386 (NYO-3699-58)
  Prog. rpt. on experimental phonon physics, 4/66—3/67, 21:9647 (NYO-2391-41)
  Prog. rpt. on experimental phonon physics, 4/69—3/70, 24:13683 (NYO-2391-108)
  Prog. rpt. on experimental phonon physics, 4/70—3/71, 25:20874 (NYO-2391-126)
  Prog. rpt. on theoretical phonon physics, 4/70—3/71, 25:31711 (NYO-3699-53)
  Second sound in solids, 24:22536 (NYO-2391-110)
KRUMIN, Yu. K. Calculation of ponderomotive forces acting on a conducting cylinder in the traveling magnetic field of a cylindrical inductor, 21:664
  Control of profile of electrodynamic forces in conducting bodies in traveling magnetic fields, 25:55915
KRUMINYA, A. E. Levels of ^{144}Nd excited by thermal neutron capture, 24:35885
  Levels of ^{144}Nd excited during thermal neutron capture, 24:30751 (ANL-Trans-824)
  Levels of ^{146}Nd excited during (nγ) reactions, 25:25764
KRUMLINDE, J. Calculation of nuclear rotational energies, 25:18014
  Calculation of rotational energies in rare-earth nuclei, 23:5904
  Model calculations with pairing forces, 24:13401
  Moment of inertia of the fission isomer, 24:6901
  Nuclear moment of inertia at high rotational frequencies, 22:27327
  Simple model for nuclear rotation at high angular momenta, 25:50843
KRUMME, J.-P. Thermal dissociation of hafnium tetraiodide, 24:27826 (NP-tr-1888)
  Vapor-pressure measurements on solid ZrI_4, HfI_4, and ThI_4, 21:14224
KRUMMENACHER, Daniel Isotopic composition of magnesium extracted from rocks and lavas of very different origins, 21:3196
KRUMMHEUER, F. Why expanding stars after leaving the main sequence, 25:30097
KRUMNIYA, A. E. Levels of ^{146}Nd excited in (n,γ)-reaction, 24:30750 (ANL-Trans-823)
KRUMPELT, M. Cadmium—neptunium: partial phase diagram of the system, 23:24937
KRUMPHOLD, R. Grain boundary differences in Mo and W, 24:4794
  Relationship between structural states and properties of molybdenum and tungsten, 23:41632
KRUMPHOLZ, H. Radiation protection with psychotropic drugs, 25:49210 (SGAE-SS-7/1971)
KRUMSHTEIN, Z. V. Features of π^- capture by hydrogen in chemical compounds, 23:5221
  Investigation of π^- meson capture by H in hydrogeneous substances, 22:45959
  Investigation of π^--meson capture by H, 22:15679 (JINR-P13-3653)
  Peculiarities of π^--meson capture by H in chemical compounds, 22:41290 (JINR-P13-3870)
  Spectrum of fast deuterons emitted in interaction of 670-MeV protons with C nuclei, 24:28479 (JINR-P1-4985)
  Spectrum of fast deuterons emitted in 670-MeV proton interaction with carbon nuclei, 25:31225
KRUPA, D. N_{11} resonance and the three-pole N/D approximation in the static model, 25:1540
KRUPA, J. C. Effect of nature and energy of incident particle on ratio of formation cross sections of isomeric states of /sup 134,mf/Cs and /sup 84m,f/Rb produced by irradiation of lanthanum and yttrium targets, 24:1814
KRUPA, Jan Determination of ash content in brown coal by γ—γ logging, 22:40046
KRUPCHATNIKOV, V. M. Biological equivalent of Curie as unit of conditional quantity of radioactive substance, 22:45547
  Calculations of height of ventilation stacks for discharging air contaminated with radioactive materials, 22:12563 (JPRS-43977)
KRUPCHITSKAYA, K. I. Investigation of children with ^{210}Po contamination in their body, 24:14612
KRUPCHITSKII, P. A. Angular t-noninvariant correlations in nuclear electromagnetic radiation, 23:49182 (ITEF-650)
  Existence of an internucleon potential that does not preserve spatial parity, 22:13816
  Polarized slow neutrons, 21:29861
  Preparation of polarized thermal neutron beam by means of cobalt mirror stack, 21:6359
  Repeated experiment on detection of weak nucleon—nucleon interaction, 24:3720
  Repeated experiment to observe the weak nucleon—nucleon interaction, 22:35311
KRUPENNIKOVA, A. Yu. Separation of isotopic hydrogen molecules on synthetic zeolites of A, X, and Y type in various forms, 22:14726
KRUPENNIKOVA, N. B. Effective forces and three body problem in nuclear physics, 24:33110
  Majorana exchange forces and photodisintegration of nucleus ^{4}He, 22:35218
  Reaction (π^+,NN) and two-hole excitations of light nuclei, 22:24829
  Theory of deuteron photodisintegration at high energies, 23:25779
  Velocity-dependent nucleon—nucleon potential and magnetic moments of nuclei ^{3}H and ^{9}Be, 22:22542
  Velocity-dependent nucleon—nucleon potential and integral cross sections of dipole photo-absorption, 22:44779
KRUPEY, J. The radioimmunoassay of circulating carcinoembryonic antigen of the human digestive system, 24:48360
KRUPICKA, Petr Liquid metal sampling apparatus, 24:19267
KRUPIN, A. V. Deformability of certain refractory metals, 24:2932
  Effect of heat on structure of Zr, 23:41674
  Heat-treatment of V, Nb, and Ta by electron beam, 23:41595
  Investigation of the structure and properties of a roller following hot rolling of molybdenum in a vacuum, 21:36811
  Rolling of niobium alloys in vacuum, 24:36910
  Structural changes in V and Nb, 23:14367
KRUPINA, A. E. Influence of collisions upon plasma wave absorption, 25:1251
KRUPINA, T. N. Cytogenetic investigations in relation to manned space flight, 25:52021 (JPRS-53801, pp 77-83)
KRUPITSKAYA, T. M. Electron density in the lower ionosphere in periods of auroral absorption, 22:48008
  Production of electrons in lower ionosphere by solar cosmic rays, 25:14124
  Variations of the loss coefficient in the lower ionosphere during polar-cap absorption, 25:33132
KRUPKA, M. C. High pressure synthesis and superconducting properties of yttrium sesquicarbide, 23:6965
  High pressure synthesis of Th sesquicarbide, 24:10154
  High-pressure synthesis of new heavy rare earth carbides, 25:723 (CONF-700403-(Vol.2), pp 582-7)
  High-pressure synthesis of Y—Th sesquicarbide, 23:41711
  New high-pressure phase transformations in rare earth and actinide carbide systems, 25:24651
  Occurrence of superconductivity in lanthanum sesquicarbide, 23:8540
  Polymorphism in heavy rare earth dicarbides at high pressures and temperatures, 23:8365 (CONF-681020-(Vol.1), pp 197-206)
  Preparation and crystal structure of Sc_4C_3, 24:19514
  Preparation and superconductivity of Ge-stabilized $Sc_{13}C_{10}$, 23:48519
  Preparation and superconductivity of the sesquicarbide phase in the lanthanum—thorium—carbon system, 24:46780
  Reaction of some noble and transition metals with refractory carbides, 21:9245
KRUPKA, Milton C. Enhancement of superconductivity of lanthanum and yttrium sesquicarbide, 25:52741
  High pressure effects within the uranium—carbon system, 24:14667
KRUPKE, William F. Energy levels of Np^{3+} in $LaBr_3$, 21:9659
KRUPKOWSKI, A. Standard potential and enthalpy values of metals and their compounds based on electrode potentials, 25:54586
KRUPMAN, A. I. Calculating the angular distribution of monoenergetic electrons scattered in matter, 24:51772
  Calculation of self-absorption in β sources, 25:7132
KRUPNIK, L. I. Behavior of plasmoids in the longitudinal magnetic field, 21:3823
  Determination of density, ionization, and electron temperature of plasmoids, 21:3825
  Impingement of plasmoids on a metallic surface, 21:3826
  Investigation of fast ions, appearing during interaction of run-away electrons with plasma, 21:33448
  Plasma probing with beams of fast particles, 21:737 (AD-634808)
KRUPNIKOVA-PERLINA, E. I. Oxidation of Nb, 22:23827
KRUPNOV, A. F. Millimeter and submillimeter radiospectroscopy, 25:10897
KRUPNOVA, G. F. Effect of fractionated x irradiation on the root-tip cells, 25:4492
  Post-irradiation kinetics of the chromosomal aberration and the radiosensitivity of the plant cell rejoining system, 23:2982
KRUPNYI, G. I. Biological shielding and technique of rapid ejection at 70 GeV, 24:1682 (CERN-Trans-69-13)
  Biological shielding and technique of rapid ejection, 24:18321 (ORNL-tr-2290)
KRUPOTKIN, Ya. M. Effect of Ce on properties and conductivity of Al, 24:4780
KRUPP, E. Spectrophotometric studies of gaseous nebulae. XV, 24:17479
KRUPP, H. Production of multiply charged ions in gas-discharge ion sources, 25:17637
KRUPP, Philip Terminal ileum as ureteral substitute, 24:41914
KRUPP, Ronald F. Computer environment report, 22:50881 (ANL-7408)
KRUPP, W. E. HWOCR postirradiation examination of SAP-UC fuel bundles of NRU-305 experiment, 22:11087 (AI-CE-76)
  Metallographic preparation of irradiated Zr—10 w/o U hydride, 21:10218 (RFP-658, pp 43-9)
  Purification of V and Nb, 23:14307
  Tensile testing of irradiated EBR-II driver fuel cladding, 24:6224
KRUPPE, H. Production of heat and energy in Federal Republic of Germany, 25:59889
KRUPTCHITSKII, P. A. Repeated experiment on the observation of the weak internucleon interaction, 22:27226
KRUSCHE, A. Properties of parallel-plate avalanche counters for measurement of lifetimes of nuclear levels, 21:24205
KRUSE, C. J. Beam break-up experiments, 21:2549 (SLAC-PUB-224)
  Design and performance of the SLAC rf drive system, 21:38020
KRUSE, C.-L. Preparation of analytical precipitates for x-ray fluorescence analysis and for β-ray activity measurement, 23:2198
KRUSE, F. H. Alkali fluoride complexes of tetravalent protactinium, 21:15906
  Crystal structure of Rb_3UF_8, 25:40801
  Preparation and properties of some alkali fluoride complexes of pentavalent protactinium, 21:8306
KRUSE, Herald Spin correlation in proton—proton scattering at 27 MeV, 21:25232
KRUSE, R. Contribution to the Albedo problem of neutron transport for a slab, 22:24795
  Study of the albedo problem for the neutron transport in a plate, 24:26828 (ORNL-tr-2036)
KRUSE, Robert L. Diffusional effects in radiation-induced graft polymerization, 23:47562
  Graft polymerization of comonomers, 21:30444 (TID-23839)
  Monomer reactivity ratios in graft copolymerization, 25:29106
KRUSE, T. Elastic and inelastic proton scattering from heavy collective nuclei, 25:43901
  Nuclear matter radii in the tin isotopes, 25:31341
  Proton scattering from even samarium isotopes, 21:23523
KRUSE, T. H. Elastic and inelastic proton scattering from even isotopes of Cd, Sn, and Te, 22:53196
  Oxygen-16 states from ^{12}C(^{6}Li,t)^{16}O reaction at 20 MeV, 23:49331 (CEA-CONF-1326)
  Proportional counter telescope for position determination and particle indentification in a magnetic spectrograph, 25:32247
  Proton scattering (16-MeV) from even tin isotopes, 22:27203
  Reaction ^{12}C(^{6}Li,t)^{16}O at 20 MeV, 24:15817
  Reaction ^{12}C(^{6}Li,t)^{16}O at 20 MeV, 24:49748
  Scattering of 16-MeV protons from even tin isotopes, 21:44717

- KRUSE, U. Mass spectrum for $\pi^-\pi^-\pi^+$ produced in π^-p at GeV/c, 22:37085
  - Spin—parity analysis of 3π decays in the A_2 meson region, 23:14983
- KRUSE, U. E. 3π mass spectrum produced by π^-p at 5 and 7.5 GeV/c, 22:48225 (COO-1195-132)
  - Coherence of isoscalar and isovector exchange amplitudes in $\pi^{+-}p \rightarrow A_2^{+-}p$, 25:9650 (COO-1195-202)
  - Comments on quarks in air-shower cores, 24:10737
  - Evidence of quarks in air-shower cores, 24:8553 (COO-1195-173)
  - Failure of s-channel helicity conservation in A_1 production, 25:7552 (COO-1195-201)
  - Observation of the A_2^- meson in 5 GeV/c π^-p, 22:46334 (COO-1195-133)
  - Partial wave analysis of 3π decay of A_2, 24:45422 (COO-1195-193)
  - Partial-wave analysis of the 3π decay of the A_2, 24:49472
  - Production of Σ^{+-} multibody final states in K^-p interactions, 23:18817
  - Reaction $\pi^-p \rightarrow p\pi^-\omega^0$ at 5.0 and 7.5 GeV/c, 24:40259 (COO-1195-188)
  - Reactions $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$ at 4.07 and 5.47 GeV/c, 22:50306
  - Some recent experimental results for A_1, A_3, Q, and L mesons, 25:43542 (COO-1195-215)
  - Spin parity and production mechanism in the A_2 region, 25:17486
  - Study of 4π enhancements in π^-p at 5.0 and 7.5 GeV/c, 22:48226 (COO-1195-134)
  - Study of A_2^- in $\pi^-p \rightarrow \pi^-$peta^0 at 5 GeV/c, 22:32072
  - $\Sigma^+\pi^-$ and $\Sigma^{+-}\pi^{-+}\pi^+\pi^-$ final states in K^-p interactions at 4.1 and 5.5 GeV/c, 21:17042 (COO-1195-80)
- KRUSEN, Felix Development and organization of monitoring of the environmental radioactivity, 21:22434
- KRUSHCHEV, V. G. Injurious effects of β irradiation of rats, 24:7996
  - Radiation processing of food products, 23:12248 (ORNL-IIC-14)
  - Sources and facilities for radiation processing of food products, 23:12253 (ORNL-IIC-14, pp 82-107)
- KRUSHINSKAYA, N. P. Effects of γ-irradiation on the bases, sugar phosphate chains, and hydrogen bonds of DNA of various types in aqueous solutions, 24:9764
  - More probable radicals states in nucleic acid chain in process of aqua solution radiation, 22:28292
  - Nature of breaks in the DNA chain upon irradiation on aqueous solutions, 22:30984
  - Radiosensitivity of DNA in aqueous solution, 22:23564
- KRUSHINSKII, A. N. Formation of solid solutions of carbides involving scandium carbide, 21:14875
- KRUSHKAL, E. M. Exact solutions of a class of nonlinear wave equations, 22:48198 (MATT-Trans-65)
- KRUSIEWSKI, S. V. Uranium deposits of Mexico, 23:13884 (RME-4099(Rev.))
- KRUSIEWSKI, S. Victoria Selected bibliography on radioactive occurrencies in the United States, 24:36424 (RME-4110)
- KRUSIUS, F.-E. Effect of plasma iodide concentration upon thyroidal iodide uptake, 23:29330
  - Intra-articular administration of radioactive gold, 22:14958
- KRUSIUS, M. Calorimetric investigation of hyperfine interactions in rare-earth metals, 22:11531
  - Calorimetric investigation of hyperfine interactions in metallic Ho and Tb, 23:14910
  - Hyperfine interactions in metallic Nd, Sm, and Dy, 23:44559
  - Hyperfine interactions in metallic Pr and Tm, 24:15411
  - Sign of the nuclear quadrupole interaction in rhenium metal, 25:40822
- KRUSKAL, M. D. Entropy principle for the derivation of a new cluster expansion, 21:9564 (TID-23497)
  - Property of large-amplitude steady electrostatic waves, 23:32535
- KRUSKAL, Martin D. Formulation of the theory of turbulence, 22:13318
  - Korteweg—de Vries equation and generalizations. II, 22:52803
  - Method for solving the Korteweg—deVries equation, 22:3053
- KRUSTANOV, D. Electronic and kinetic investigations of changes in the activity of catalase in the aspect of radiation injury, 21:10785
- KRUSTANOV, L. Peripheral blood characteristics of personnel exposed to a ultrahigh-frequency electromagnetic field, 21:28653
- KRUSTEV, D. Morphological changes in irradiated animals, 21:22486
  - Morphological changes in radioprotected, lethally irradiated, and bone marrow treated-animals, 21:43454
  - Morphological studies of genital glands in lethally irradiated rats, 22:31157
- KRUSTSELEVSKAYA, G. V. Twenty-seven day cosmic-ray intensity variations and structure of the solar corpuscular streams, 22:11277
- KRUSZEWSKA, O. Shape of solidification front in semi-continuous aluminium casting, 21:39138
- KRUSZEWSKI, A. Changes in polarization of the R Coronae Borealis star RY Sagittarii, 23:14451
  - Wavelength dependence of polarization. XVII, 23:51201
  - Wavelength dependence of polarization. xxiv. infrared objects, 25:43042
- KRUSZEWSKI, K. Shape of solidification front in semi-continuous aluminium casting, 21:39138
- KRUTENAT, R. C. Low-energy Ar^+ sputtering yields of solid and liquid Sn, 24:51391
  - Vapor deposition by liquid phase sputtering, 25:37934
- KRUTH, J. Role of the radioisotopes in the study of the mechanisms of protein biosynthesis, 23:45617
- KRUTIKOV, P. G. Di-n-butyl phosphates of thorium and iron, 25:37350
  - IR spectroscopy study of uranyl di-n-butylphosphate, 25:37340
  - Uranyl di-n-butyl phosphate, 24:44079
- KRUTIKOVA, T. I. Effects observed in the F2 layer of the ionosphere following an SSC magnetic storm, 23:3354
- KRUTIKOVA, T. M. Relationship between E/sub s/ and vertical movements of ionized formations, 24:6443
- KRUTILLA, John V. Peaceful use of nuclear explosives, 23:45435
- KRUTKOVA, N. A. Space coordinate reconstruction of track points by two stereoprojections, 21:275 (JINR-P-2889)
- KRUTOV, V. A. Collective charge oscillations in atomic nuclei, 23:21398
  - Collective motion and inertial moments of deformed nuclei, 23:23793
  - Description of the excited paired states of atomic nuclei by the variational approach, 25:31360
  - Effect of electron shell on γ radiation of nuclei, 23:42917
  - Electric multipole radiation operator, 24:35220
  - Higher approximation effects in internal conversion processes, 25:5844
  - Influence of electronic shell on gamma radiation of atomic nuclei, 23:21400
  - Isobaric-spin potential in heavy deformed nuclei, 23:40108
  - Magnetic moments and magnetic dipole transitions in deformed nuclei, 23:40105
  - Rotational motion of deformed nuclei, 23:21399
  - Separation of variables and coupling between rotational and intrinsic motion in deformed nuclei, 23:21397
  - Theory of rotation of non-axial nuclei, 23:40133
  - Theory of rotation of strongly deformed nuclei, 24:52664
- KRUTOV, V. V. Quiet-corona temperature determined from soft x-radiation flux, 25:19418
- KRUTOVA, Yu. N. Free radicals in γ-irradiated starch by method of electron paramagnetic resonance, 22:45466
- KRUTZIK, S. Heterogeneous isotopic exchange in gas chromatographic columns, 21:25859
  - Labeling aliphatic halides in gas chromatographic columns, 21:25860
- KRUUSMAA, A. E.-V. Model atmospheres of stars of classes O and B, 25:55673
- KRUUV, J. Multi-component radiation survival curve model, 25:11293
- KRUUV, Jack X-ray sensitivity of synchronized Chinese hamster cells irradiated during hypoxia, 23:929
- KRUYS, P. Corrosion resistance of new zirconium alloys, 21:18218
- KRUYS, Pierre Present trends in European nuclear industry, 23:23868
- KRUZHILIN, G. N. Features of atomic energy reactors in power engineering, 24:43706
- KRUZHILIN, N. A. Conditions for appearance of ionization instability in nonsteady-state plasma, 25:33310
  - Maximum luminescence of spectral lines during plasma decay, 24:26180
- KRUZHKOV, G. M. Electromagnetic radiation of neutral Fermi particles moving in external fields, 21:42320
- KRUZHKOVA, L. A. Quantum electrodynamics with two fermions. II, 22:9682
- KRUZHLYAK, Ya. Preparation and properties of niobium—tin diffusion strips, 24:10027
- KRUZIC, Pamela G. Experimental investigation of plant uptake contamination factors, 24:7711 (AD-694531)
- KRUZIC, T. P. Prog. rpt. on Elk River reactor operations analysis, annual, 7/65—6/66, 21:1153 (ACNP-66557)
  - Prog. rpt. on Elk River Reactor operation, semiannual, 1—6/65, 21:21620 (ACNP-65602)
- KRUZIK, Frantisek Open alpha source with a spectrum of more lines, 22:36005
- KRY, P. R. Calculations of flux spectra and energy deposition for fast neutrons, 24:29080 (AECL-3423)
- KRYACHKO, V. V. Beta-spectrograph for irradiation of semiconductors in a range from 0.1 to 1 keV, 21:16174
- KRYANEV, A. V. Nonlinear oscillations in nuclear reactors, 22:25154
  - Oscillatory modes in nuclear reactors, 24:33495
  - Transport equation taking into account delayed neutrons, 21:21781
- KRYCH, Bozenna Results of measurements of individual doses in persons occupationally exposed to x-radiation in Poland in 1969, 25:21722
- KRYCH, Zdzislaw Spectrophotometric determination of V(V) using nicotinic acid hydrazide, 21:42887
- KRYGER, Bernard Contribution to the study of the fission-gas release in metallic nuclear fuels, 24:11325 (CEA-R-3888)
  - Irradiation of mixed U and Pu carbide and nitride fuels, 24:14964 (EURFNR-688)
  - Irradiation of mixed U and Pu carbide and nitride fuels in fast neutron loop "MFBS", 25:52472 (EUR-4347)
  - Relation between the swelling of metal fuels and the release of fission gas, 24:4163 (CEA-CONF-1357)
  - Relation between the swelling of metallic fuels and the release of fission gases, 25:677
- KRYLOV, A. I. Investigation of β and γ radiation of ^{81}Rb, 22:22601
- KRYLOV, E. A. Impact viscosity of irradiated weld joints of austenitic chromium—nickel steels, 25:52401 (JPRS-53800, pp 176-9)
- KRYLOV, E. I. Composition of complexes of niobium(V), formed during extraction with tributyl phosphate, 22:37863
  - Investigation of Ho_2O_3—Nb_2O_5 system, 24:27892
  - System Eu_2O_3—Ta_2O_5, 23:187
  - System Eu_2O_3—Ta_2O_5 with small content of Eu_2O_3, 22:4098
  - Uranyl oxalate compounds with hydrazine, 24:20754
- KRYLOV, I. P. Andreev reflection of electrons from boundary between normal and superconducting phase, 25:1100
- KRYLOV, K. P. Elimination of radioactive strontium and polonium from the blood by means of ion exchangers, 23:22274 (AEC-tr-6944, pp 622-5)
- KRYLOV, M. V. Dependence of inverse scattering coefficient for β rays on target atomic number, 23:44161
- KRYLOV, M. V. tg Effects of impurities on the γ absorptiometric analysis, 22:6276
- KRYLOV, N. A. Radial diffusion in a positive column in a longitudinal magnetic field, 25:22477
  - Radial diffusion of charged particles in a high frequency discharge in a magnetic field, 24:8431
- KRYLOV, N. G. Cross section of $^{241}Am(n,\gamma)^{242}Am$ reaction, 25:50738
- KRYLOV, S. A. Effect of a magnetic field on the accuracy with which particle momentum is determined in a streamer or spark chamber, 25:42148
  - Large memory storage spark chambers, 21:298
  - Track distortion in a streamer chamber, 22:2424
- KRYLOV, V. I. Molybdenum alloy cores for die casting, 23:51012
- KRYLOV, V. N. Complexing of Np(VI) with fluoride ions in $HClO_4$ solutions, 23:13733
  - Complexing of Pu(VI) with fluoride ions in $HClO_4$ solutions, 23:13734
  - Complexing of U(VI) with fluoride ions in $HClO_4$ solutions, 23:13735
  - Investigation of complex formation of Pu^{4+} with fluorine ions in solutions of $HClO_4$ by method of ionic exchange, 23:28838
  - Investigation of complex formation of Pu^{4+} with fluorine ions in solutions of HNO_3 by method of ionic exchange, 23:28837
  - Investigation of the complex formation of Np(IV) with fluorine ions in HNO_3 solutions by the method of ionic exchange, 23:43316
  - Investigations of complex formation of Np^{4+} with fluorine ions in solutions of $HClO_4$ by method of ionic exchange, 23:28836
  - Use of cryoscopy in eutectic ice: electrolyte for investigation of polymerization and complex formation of ions of zirconium and U(VI) in aqueous solution, 22:18780
- KRYLOV, V. V. Application of uhf bridge circuits for investigation of properties of plasma in shock tubes, 23:51610
  - Electron density and collision frequency in Ar ionized by shock wave, 21:37425
  - Electrophysical properties of shock-wave-ionized argon in a constant magnetic field, 22:5331
  - Method for local measurement of hf magnetic field in studies of plasma properties, 21:39990
- KRYLOV, Yu. F. Effects of adrenalin, acetylcholine, nicotine, pentamine, and histamine on blood pressure of rabbits with experimentally induced hypercholinesteremia and after influence of ionizing radiation, 23:5019
- KRYLOVA, A. P. Alpha decay energy systematics and α stability of nuclei, 21:10080
  - Systematics of β-decay energies and properties of energy surface of nuclei, 21:12112
  - Systematics of the full β decay half-lives, 22:1736
- KRYLOVA, A. R. Heat- and hydrogen-resistant alloy, 23:46057
- KRYLOVA, G. P. Condition of bone marrow hemopoiesis following replacement transfusions of postmortem blood of irradiated animals, 21:22692
- KRYLOVA, I. V. Investigation of heterogeneous radiolysis of water by means of exoelectronic emission, 22:42776
- KRYLOVA, L. M. Motion of a plasma cluster in a channel with variable inductance, 25:27485
- KRYLOVA, V. S. Traveling disturbances in the ionosphere, 23:3359
- KRYLOVA, Z. L. Investigation of heterogeneous radiolysis of water by means of exoelectronic emission, 22:42776
  - Radicals in the radiolysis of water absorbed on silica gel, 23:35224
  - Radiolysis of water adsorbed on silicagel, 21:12465
  - Radiolysis of water adsorbed on silica gel, 21:23960
- KRYLOVICH, V. I. Heat transfer in plasma jet generators, 21:43185
- KRYLOW, Janusz X-ray studies of neutron bombardment influence on the real structure of germanium, 21:510
- KRYM, N. D. Long-term stability characteristics of commonly used channel electron multipliers, 24:39248
- KRYMKIN, V. V. Spectrum of background low-frequency radio emission, 25:33034
- KRYMM, R. Economic outlook for atomic energy, 25:59888
  - Use of nuclear energy for water desalination, 23:13563
- KRYMOV, G. A. Heat fluxes to electrodes with laminar flow of Ar—K plasma, 25:33288
- KRYMSKII, G. F. Antisymmetric diurnal and semidiurnal variations of cosmic rays, 25:30319
  - Characteristics of interplanetary magnetic field, 24:6398
  - Cosmic-ray distribution and acceptance vectors of detectors. I, 21:39842
  - Cosmic-ray distribution and acceptance vectors of detectors. II, 21:46188
  - Cosmic-ray distribution and acceptance vectors of detectors. III, 22:24068
  - Cosmic-ray flux in interplanetary media. I, 25:30314
  - Cosmic-ray flux in interplanetary media. II, 25:30315
  - Cosmic-ray variations and magnetosphere oscillations, 21:29058
  - Cosmic-ray variations and some characteristics of interplanetary space, 21:29045
  - Cosmic-ray variations and the interplanetary medium, 25:14070
  - Isolating the true fluctuations of diurnal variation, 22:21951
  - Modulation of cosmic rays in interplanetary space, 25:35894
  - Principal features of Forbush decrease during solar activity minimum, 22:21808
  - Results of studies of cosmic-ray variations in Yakutsk in 1957—1960, 21:29047

Sidereal diurnal variations conditioned by the modulation of cosmic rays, 22:21949
Twenty-seven day cosmic-ray variations, 22:11279
Utilization of matrices in research into the distribution of cosmic rays, 22:21952
KRYN'KO, Yu. M. Energy losses of 6 keV electrons in a two-layered Be—Au target, 21:33196
KRYN'KO, Yu. N. Differential elastic scattering cross section of 4- to 8-keV electrons at large angles as a function of atomic number of scattering material, 21:34008
KRYPIAKEWYTSCH, P. I. Compounds in Mg—rare earth systems, 22:19559
KRYPYAKEVICH, P. I. Compounds $EuNi_5$, $TmNi_5$, and $LuNi_5$ and their crystal structure, 22:22243
KRYSHKIN, V. I. Cherenkov total absorption gamma spectrometer, 24:14306
Generation of electron—positron pairs in nuclear Coulomb field, 25:53000
Internal bremsstrahlung accompanying beta decay of ^{32}P, 21:2678
Lifetime of neutral pion, 23:32637
Lifetime of π^0 meson, 24:10658
Mean free path of the π^0 meson in nuclear matter, 25:43595
Shower spark chambers for detecting particles moving at small angles with respect to the beam being stopped, 25:8553
Time-amplitude converter for the nanosecond range with preliminary pulse selection, 25:49042
KRYSHTAB, H. S. Neutron source based on a 350 keV accelerator of charged particles, 23:42822
KRYSINA, L. S. Interaction of benzamideoxime with uranyl ions, 22:27715
KRYSINSKI, T. L. Fuel and component reactivity testing in the Hanford Test Reactor, 25:41553
KRYS'KOV, E. I. Application of lead isotopic composition variations for uranium district studies, 23:17621
KRYSL, V. Difference method of solution of two-dimensional multigroup time-independent diffusion equations, 25:28807 (ZJE-101)
KRYSMANSKI, Kurt-Herbert Investigation of a disk-stabilized low-pressure arc, 23:6995
KRYSTKOWIAK, Stanley Titanium corrosion cracking morphology, 23:29972
KRYTER, R. C. Analytical and experimental evaluation of detection efficiency dependence of subcriticality measurements by the polarity spectral coherence method, 25:41530
Evaluation of the asymmetric source technique for determining subcritical reactivity in fast reactors, 25:41529
Investigation of boiling detection in the HFIR using out-of-core instrumentation, 25:60181
Measurement of He void fraction in MSRE fuel salt using neutron-noise analysis, 23:2010 (ORNL-TM-2315)
Measurement of subcriticality in large fast reactors by combining noise and multiplication techniques, 25:41528
Neutron noise in a molten salt reactor, 23:37470
On-line reactor noise spectrum computation, 23:37704
Two-detector cross correlation for on-line shutdown margin measurements in power reactors, 21:38529
Two-detector cross correlation for shutdown margin measurements in gamma fluxes, 21:38528
Two-detector cross-correlation technique for shutdown margin measurements in power reactors, 22:50738 (ORNL-4255)
KRYTER, Robert Conrad Measurement of time-dependent thermal neutron spectra in a pulsed homogeneous D_2O medium, 21:17294
KRYUCHKOV, O. N. Interaction in Ni—Zr—N melts, 24:17319
KRYUCHKOVA, O. I. Method of layer mass-spectrographic analysis. I, 23:19640
KRYUK, V. F. Biological effects and kinetics of the elimination of tritium oxide in dogs, 24:9769
Toxicity of tritium oxide in rats, 23:47941
KRYUKOV, P. G. Electron—ion relaxation in a plasma produced by ultrashort laser pulses, 25:1169
Experiments on neutron observation by focusing powerful laser emission on the surface of lithium deuteride, 22:50198
Observation of neutrons from the action of a giant laser pulse focussed on the surface of lithium deuteride, 23:7027 (UCRL-Trans-10287)
Plasma heating by ultrashort laser pulses, 24:47196
KRYUKOV, S. N. Beta-fluorescent analysis of binary mixtures of pure metals, 22:50943
Determination of diffusion coefficients in liquid metals by isotope exchange through the gas phase, 25:54556
Emission spectra excited in certain metals by β particles of ^{14}C and ^{147}Pm, 22:27844
Isotopic exchange under isothermal, single-stage conditions, 21:40778
Radiation spectra excited by β particles of ^{204}Tl, ^{90}Sr, and ^{90}Y in some metals, 22:13248
Verification of the fulfillment of the boundary conditions in the isotopic exchange method, 22:27701
KRYUKOV, Yu. B. Exchange of carbon and oxygen atoms of carbon dioxide under conditions of syntheses from carbon monoxide and hydrogen on iron catalysts, 25:31900
KRYUKOVA, A. B. Photosensitivity of paramagnetic species arising from radiolysis of halogenated rubbers, 22:23062
KRYUKOVA, I. N. Interaction of Rous sarcoma virus (Carr strain) with mammalian cells in vivo, 21:18197
KRYUKOVA, I. V. Effects of Li on recombination rate Si irradiated by fast electrons, 23:51768
Influence of irradiation on GaAs laser characteristics, 25:22623
KRYUKOVA, L. M. Change in the frequency of chromosomal rearrangements in irradiated plants under the effect of gibberellin, 24:4596
Decrease in the toxicity of extracts from irradiated plants under the influence of gibberellin, 24:9967
Formation of anomalous metabolites in irradiated organisms, 21:6651
Influence of gibberellin on the activity of enzymes in irradiated plants, 24:7742
Influence of radiotoxins from irradiated plants upon the growth of normal tissues and malignant tumors, 24:34764
KRYUKOVA, L. N. Decay of neutron defficient isotopes of Pt, Ir, and Os, 25:28389
Investigation of gamma rays from ^{189}Pt by means of spectrometer with a Ge—Li detector, 21:44690
Lifetimes of the lower excited states of ^{189}Ir, 21:27587
KRYVOKRYSENKO, I. F. Photoelectric colorimeter for counting charged particle tracks on surface of glass detectors, 25:55029
KRYVORUKA, J. K. Analysis of the motion of free-flight missiles from body-fixed sensors, 24:29149 (SCL-RR-70-41)
SIXD: trajectory computer program to determine motions of asymmetric missiles, 25:23483 (SCL-RR-70-121)
KRYVORUKA, John K. Nonlinear pitching motion of missiles, 25:26127 (SCL-RR-70-119)
KRYZANEK, R. Effects of acute γ radiation on sunflower, 24:34769
Radiation biochemistry in plants. II, 25:57931
Radiation biochemistry in plants. I, 25:57941
KRYZHANOUSKI, U. L. Effects of hemotherapy on the hemorrhagic syndrome in acute radiation sickness in dogs, 23:50647
KRYZHANOVSKII, O. I. High-voltage pulse generator, 25:9932
KRYZHANOVSKII, V. A. Imitation of a fission neutron spectrum by means of a polonium—beryllium source, 24:1725
Measurement of interaction cross sections of 0.3 to 5.0 MeV neutron with air, 25:5481
Neutron spectrum in air from a critical assembly of ^{235}U + Cu, 23:5798
KRYZHENKO, T. V. Dynamics of vasomotor disturbances in radium therapy of neoroendoctrine metabolic forms of affection of the hypothalamic region, 24:48733
KRYZHENKOVA, N. A. Effect of nonuniform distribution of matter on activation analysis, 23:47403
Some procedures for the simplified interpretation of two-component photopeaks, 24:13792
Tricomponent activity induced by competing reaction, 25:54498
KRZANOWSKA-DYRAS, Maria Bilateral renal dysplasia in an infant, 24:50820
KRZECZKOWSKI, R. A. Prog. rpt. on irradiation preservation of fresh-water fish and inland fruits and vegetables, final, 8/66, 21:6739 (COO-1283-40)
KRZECZKOWSKI, Richard A. Effect of gamma radiation on thiaminase activity in fresh-water fish, 22:52116
KRZEMINSKI, S. Quantum and correlation corrections to Thomas—Fermi potential, 24:19770
KRZEMINSKI, W. Binary stars among cataclysmic variables. X, 23:46160 .
Binary stars among cataclysmic variables. XI, 24:4880
Search for periodic light variations among dMe and dM type stars, 23:6791
KRZHEMENEK, Ya. Focusing properties of homogeneous magnetic field boundary, 23:39871 (UJV-2178-F)
KRZHIVANEK, M. Regularities in production of volatile ^{97}Zr, ^{101}Mo, and ^{102}Mo chlorides by reactions of fission fragments with the vapors of chloride containing compounds, 21:5960
KRZUK, Jerzy Radioisotope measurements of the flow parameters of the postflotation slurry, 25:13176
KRZYCKI, Andrzej Pulse transformer links in measuring lines using neutron detectors, 21:28327
KRZYSTEK, Z. Apparatus for measurement of ion concentration in the air, 25:54364 (INP-748)
KRZYWANSKA, E. Kinetics of isotopic exchange of iodine in MI_3—Et_2O—EtI liquid systems (M = Al, Ga, In), 22:16491
KRZYWDZINSKI, S. Angular distributions of particles generated in nuclear interactions, 22:4471 (INR-794/VI/PH)
Coherent production of particles in collisions of 200-GeV pions with emulsion nuclei, 21:27026
Coherent production of particles in collisions of 200 GeV pions with emulsion nuclei, 21:27304 (INR-774/VI/PH)
Energy estimation in collisions of very high energy pions with nuclei of photographic emulsion, 22:3267 (INR-828/VI/PH)
Energy estimation of 20-GeV/c pion interactions in photographic emulsion, 25:3284
Incoherent multiple production of particles in collisions of 200 GeV pions with nuclei of photographic emulsion, 22:32068
Location of primary cosmic ray particles in photographic emulsion using spark chambers, 24:14310
Super-high-energy interactions in large blocks of photographic emulsion, 22:9509 (INR-P-826/VI/PH)
KRZYWDZINSKI, Stainslaw Energy estimation in collisions of very high energy pions with nuclei of photographic emulsion, 22:24546
KRZYWICKI, A. Charge-exchange scattering and Regge cuts, 23:44666
Conference on high multiplicity hadronic interactions, Paris, 5/70, 25:30762
Direct-channel resonances, asymptotic behavior of scattering amplitude, and degeneracy of the resonance levels, 24:13211
Duality and Regge cuts in inelastic 2-body processes, 25:53137
Generating Monte Carlo events with small transverse momenta, 23:46624
High multiplicity hadronic interactions, 25:30732
High-energy proton—proton scattering in the Eikonal model, 23:44677
Kinematic aspects of inclusive phenomenology, 25:53147
Large angle hadron scattering and duality, 25:50131
Large angle scattering and dual models, 25:25429
Omega production and the gyromagnetic ratio of the quarks, 21:25311
On chains of resonances, 21:2461
Peripherality of multiple production processes, 22:44520
Peripherality of multiple production processes, 23:13135 (LPTHE-TH-68/13)
Regge cuts and polarizations in hypercharge exchange reactions, 24:1607
Treatment of spins in the quark model, 25:5358
KRZYWICKI, Harry J. Body-composition methodology in military nutrition surveys, 23:22204
KRZYWICKI, J. Effects of ionizing irradiation on periodontium in rats, 25:52223
Histological examination of parodontium after irradiation of the rat trunk at a dose of 600 r, 25:26960
Irradiation of rat trunk by 600 R, 24:25567
KRZYWOBLOCKI, M. Z. Remarks on Dirac's hypothesis, 21:21122
KRZYWOBLOCKI, M. Z. E. Equations of motion of plasma in axially symmetric coordinate system, 25:43366
KRZYWOBLOCKI, M. Z. v. Geometry of streamlines in hydromagnetic fluid flows when the magnetic field is along a fixed direction, 21:665
KSANDA, C. F. Analysis of ship shielding requirements, 23:36762
KSANDER, Yuri Nuclear weapons effects: compilation of abstracts. report no. 3, 21:202 (AD-635477)
KSCHWENDT, H. Application of the j/sub N/ method to neutron transport in slabs and spheres, 23:28614
Calculation of time-dependent neutron flux with Monte Carlo method, 22:48432
Error estimation for time-dependent Monte Carlo leakage spectra, 23:25766
Expected leakage estimator applied to time-dependent neutron transport, 22:20951
Geometry routines for use in the TIMOC code, 25:15404 (EUR-4536)
Investigation of fast pulsed assemblies using Monte Carlo method, 23:13572 (EUR-4087)
Legendre solution of the slab problem, 24:7266
Reactivity calculations for a periodically pulsed fast reactor, 23:47241 (CNM-R-2(Vol.1), pp 488-508)
Reactor analysis by Monte Carlo, 22:3941
Shielding calculations by means of the Monte Carlo method, 25:3170
SP/sub N/—P/sub L/ method for neutron transport in homogeneous slabs, 25:39331
TIMOC: Monte Carlo code for stationary and time dependent neutron transport, 25:31167 (EUR-4519)
KSCHWENDT, Heinz Fourier transform of a product of two spherical Bessel functions, 24:35798
KSHIRSAGAR, S. R. Effect of irradiation on the current pulses in a low-frequency electrodeless argon discharge, 25:9449
KSHIVDZIN'SKI, S. Coherent formation of particles in interactions of approximately 200 GeV π mesons with photoemulsion nuclei, 23:23370
KSIAZAK, Z. Bitumization of liquid radioactive wastes, 25:34845 (INR-1249)
Solidification of radioactive wastes, 25:37568
KSIAZAK, Zdzislaw Application of Polish dolomite and phosphorite for decontamination of radioactive laboratory effluents, 23:344 (INR-922)
KSOLL, M. Bubble chamber with pulsed magnetic field, 22:25669 (BMwF-FBK-68-02)
KTSOYAN, Zh. A. Mutagenic action of x-rays on phage lambda, 24:48493
Reactivation of premutational lesions in uv-irradiated extracellular bacteriophage lambda, 24:51111
Reparation, by host-cells, of mutational and lethal lesions induced by uv-irradiation of extracellular bacteriophage, 23:6420
KU, C. C. Analog spectral analysis of geomagnetic micropulsations, 22:2916
Response method for the analysis of geomagnetic micropulsations, 24:49071
KU, Hung-k'un Measurements of ^{238}U, ^{235}U, and ^{237}Np content in cylindrical ionization chambers, 22:14807
KU, Ken-sheng Luminescent uranium glass, 22:42693
KU, Lily Direct gas chromatographic analysis of volatiles produced by ripening pears, 21:445
KU, Lily L. Cellular senescence, radiation damage to mitochondria, 22:49637
KU, Lily Lim Effects of ionizing radiation on the ribosomal system, 24:14625
Ribosomes of pear fruit. Their synthesis during the climacteric and the age-related compensatory response to ionizing radiation, 24:31862
KU, S. H. Investigation of high-energy photoneutrons from carbon, 23:7240
Satellite pulses from Philips 58 AVP photomultiplier and their effect on (γ,n) time-of-flight spectroscopy, 22:10588
KU, Sang Hae Photoneutrons from ^{27}Al, ^{28}Si, ^{31}P, and ^{32}S, 23:7245 (SAL-9)
Study of photoneutrons from ^{27}Al, ^{28}Si, ^{31}P, and ^{32}S, 23:7277
KU, T. L. Radium in the Indian—Antarctic Ocean south of Australia, 24:46378
KU, Teh-Lung Accumulation rates of manganese in pelagic sediments and nodules, 23:15984 (CU-3139-2, App.D)
Protactinium 231 method dating coral from Barbados Island, 22:21189
Radiochemical studies on manganese nodules of deep-sea origin, 23:15811 (CU-3139-2, App.C)
Radiochemical studies on manganese nodules of deep-sea origin, 24:11451
Radiochemical studies on manganese nodules of deep-sea origin, 25:23528
Radium-226 measurements from the 1969 North Pacific Geosecs Station, 25:10726
Uranium, Th, and Pa in a Mn nodule, 21:41042

- KUAN, H. M. Gamma decay of first two $T = {}^{3}/_{2}$ states of ^{15}N, 25:12416
  - Gamma decays of first two T = 3/2 states of ^{15}N, 25:53605 (COO-1120-120)
  - Giant dipole resonances in ^{12}C and ^{16}O, 25:20277
  - Isopsin splitting of E1 resonances in ^{88}Sr and ^{90}Zr, 24:6852
  - Lowest T = 2 level in ^{28}Si observed in $^{24}Mg + \alpha$ reactions, 23:15410
  - Observation of T = 2 and 3/2 levels by compound-nucleus reactions, 22:26989
  - Observation of T = 2 level in ^{20}Ne as a compound nucleus resonance, 21:42567
  - Observation of T = 2 level in ^{24}Mg as a compound-nucleus resonance, 21:38269
  - Reactions $^{12}C(\alpha,n)^{15}O$ and $^{12}C(\alpha,p)^{15}N$, 22:44629
  - T = 2 levels in ^{20}Ne, ^{24}Mg, and ^{32}S, 23:46957
  - T = 3/2 states in ^{13}N observed in reaction $^{12}C(p,p)^{12}C$, 21:29907
- KUAN, I-wen Theory of equilibria of complexes in solution. II, 21:35954
- KUAN, Jo-nan Direct observation of dislocation networks and moire fringes in graphite foils with an electron microscope, 22:26470
  - Preliminary analysis of a set of dislocation ribbons observed in a graphite foil, 22:26469
- KUAN, Wei-yen Superconducting electromagnet of Nb_3Sn, 21:27070 (AD-648885)
- KUANYSHBAEV, K. Kh. Study of radiosensitivity of the original and radioresistant subline in Ehrlich's ascites carcinoma after its transformation into a solid form in conditions of explantation, 24:34586
- KUBA, J. Application of low-energy gamma emitters in scintillation scanning, 22:530
  - Comparison of /sup 99m/Tc pertechnetate in /sup 113m/In EDTA with respect to brain scintigraphy, 25:558
  - Comparison of cerebral blood flow measurements with intravenously administered ^{131}I-labeled hippuran between arteriosclerotic and normal patients, 25:11150
  - Comparison of scintigraphy and angiography in the diagnosis of intracranial space-occupying lesions, 25:55293
  - Scintigraphic localization of placenta by /sup 99m/Tc-labeled albumins, 21:22522
  - Technetium-99m in diagnosis of thyroid diseases, 24:34504
  - Thyroid uptake of /sup 99m/Tc pertechnetate, 21:24325
- KUBA, Ramesh K. Radiation dosimetry in Panorex roentgenography. I, 22:25839
  - Radiation dosimetry in Panorex roentgenography. II, 22:25840
  - Radiation dosimetry in Panorex roentgenography. III, 22:25838
- KUBAL, J. Chemiluminescence in dosimetry, 24:19248
  - Radiation sickness after therapeutic administration of 806 mCi of ^{131}I for thyroid cancer, 22:10874
  - Radiation thyroiditis as a complication of treatment with radioiodine, 23:896
- KUBAL, Josef Synthesis of nuclear emulsions, 21:41219
- KUBALE, J. C. R. 30 kG room-temperature aperture superconducting solenoid, 22:11375
- KUBALEK, Jiri Modular system bin of transistorized laboratory instruments, 24:522
  - Transistorization of standard kit electronic sets for radiation measurements, 21:34545
- KUBANEK, B. Action of Thorotrast on bone marrow, 22:47615
- KUBANEK, Bernhard Growth patterns of hemopoiesis derived from fetal liver transplanted into heavily irradiated mice, 25:16346
  - Pattern of stem cell repopulation in heavily irradiated mice, 24:17008
  - Recovery of erythropoiesis in heavily irradiated mice, 23:43804
- KUBARA, Robert S. Ballooning support for cosmic-ray experiments, 21:23024 (AD-641174)
- KUBAREV, Yu. V. Low-frequency resonant electric oscillations in the flow of nonisothermal plasma, 23:51671
- KUBAREVA, L. V. Determination of Al in U alloys using Chrome Azurol S, 24:13750
- KUBAREVA, M. M. Distribution of amino acids between erythrocytes and plasma in blood, 21:39496
  - X irradiation influence on the distribution of amino acids among erythrocytes and plasma, 21:22336
- KUBAS, Z. Colorimetric determination of iron in niobium compounds, 24:29199
- KUBASCHEWSKI, O. Experimental thermochemistry at high temperatures, 24:41140 (SC-T-70-4028)
  - Review of alloy thermodynamics, 22:31361
- KUBAT, Josef Radiometric investigations on thermal expansion and transitions in polymers, 22:27562
- KUBAT, K. Phagocytosed Thorotrast in the histological examination of organs, 21:20380
- KUBAT, M. Effect of occupational risk on reproductive functions of women engaged in mining radioactive materials, 21:41491
- KUBELKA, V. Determination of the underground water-flow rate in a borehole, 23:447
- KUBIAK, E. Natural Th and U in kidney, 23:29321
- KUBIAK, Eugeniusz Autoradiographic studies by stripping film technique radioactivity in tissue of rats, 24:2561
- KUBIAK, M. Attempt of identification of ^{25}MgH and ^{26}MgH bands in stellar spectra, 22:15277
- KUBIAK, Marcin Solar wind. I, 22:15275
- KUBICEK, J. Influence of radiotherapy of brain tumors in humans, 23:31976
- KUBICEK, P. Optimization of a radiometric arrangement for gamma-ray materialogy, 25:37665
  - Theoretical possibilities of a solenoid as mass filter, 24:40532
- KUBICEK, Petr Application of absorption method using the gamma radiation with two different energies for continual analysis, 25:2111
- KUBICKA, Helena Specific activity of Tc, Re, Ru, Pt, and Pd in catalytic reactions of benzene and H, 23:11505
- KUBICKOVA, Dagmar DNA reparative effect on radiation damage, 25:44790
  - Effect of exogenous DNA in irradiated meristem of Vicia faba, 25:44961
- KUBÍK, Ctirad Boron determination in nickel coatings by neutron absorption method, 24:11458
- KUBIK, I. Checking the leak tightness of fuel-element cans in gas-cooled reactors, 25:48238
  - Measurement of the concentration of fission products in the primary circuit by recording delayed neutrons, 23:40362
  - Testing of the seal of fuel element envelopes in reactors with gas heat transfer media, 25:34378 (JPRS-53069, pp 131-8)
- KUBIK, R. N. Integrated reactor protective system, 25:6045
- KUBIKOWSKI, Jan Stellar structure and evolution, 21:33072
- KUBIN, L. P. Low-temperature plastic instability in pure niobium single crystals, 25:52356
- KUBIN, M. Use of open sources for measuring the retention time of materials on production lines, 22:14714
- KUBIN, P. Heterogeneous deformation of niobium single crystals at very low temperatures, 25:35378
- KUBIN, Pierre Deformation of Nb single crystals at low temperatures, 24:28213
- KUBIS, J. J. Regge-pole model for ΛN interactions, 24:52129
- KUBIS, Joseph J. Reaction amplitudes for pseudoscalar mesons on spin-${}^{1}/_{2}$ fermions in fourth-order perturbation theory, 22:46443
- KUBISA, P. Radiation-induced liquid state polymerization of some cyclic ethers, 21:10401
- KUBISCHTA, W. Uhv-system for a reactor beam tube, 22:44898 (SGAE-PH-67/1968)
  - Ultra-high-vacuum system for a reactor beam tube, 23:35454
- KUBISCHTA, Werner Electrostatic spectrometer for measuring the proton recoil spectrum in neutron beta decay, 23:33471 (AD-680817)
- KUBIT, C. J. In-pile swelling of UO_2 fuels, 22:53422 (WCAP-3269-61-A)
  - Operating experience with Saxton Reactor partial Pu core II, 23:10303
- KUBIT, Charles John Phase transformations in Zr—Nb alloys containing O, 25:35572
- KUBITSCHEK, H. E. Mutagenesis by near-visible light, 21:22402
- KUBITSCHEK, Herbert E. Radiation sensitivity of E. coli, 23:45967 (ANL-7535, pp 5-6)
- KUBITZ, W. J. Final report on ARTRIX, 22:6199 (COO-1469-0067)
- KUBLIK, L. N. Distribution of cystaphos in organs and tumors of rats and mice, 21:20241
  - Features peculiar to the protective effect of cystaphos in fractional irradiation of transplantable solid tumors, 25:32439
  - Radiosensitivity analysis of sarcoma S-I in rats, 24:34697
- KUBO, H. Reaction (p,p') on ^{27}Al and its nuclear levels, 22:27015
- KUBO, Haruya Laboratory experiment on the solar wind interaction with planetary bodies, 25:40491
- KUBO, Hidenori NMR studies of ferromagnetic Co—Pd alloys, 22:7363
- KUBO, Hiroshi Electron cyclotron damping in the microwave radiation along the magnetic field, 23:25409
  - Enhanced microwave emission from highly ionized plasma irradiated by microwaves, 21:37481
  - Experiment on microwave absorption by magnetoplasma, 21:2245
  - Resonance phenomena in a bounded magneto-plasma, 21:37479
- KUBO, Hisamitsu Comparison of surgical and radiation therapy, 23:50898
- KUBO, K. Spark chamber type gamma camera, 24:31698
- KUBO, Kanji Effects of postoperative cobalt irradiation on heart, 24:48734
- KUBO, Kazuko Dielectric breakdown in LiF crystals bombarded by electrons, 21:7350
  - Etching of proton-bombarded NaF crystal, 21:7341
  - Negative electrolytic breakdown in proton-bombarded LiF crystal, 21:7339
- KUBO, Ken-ichi DWBA method in deuteron stripping reaction, 25:20497
  - Properties of the product of initial and final distorted-waves in (t,p) reaction, 24:20422 (JAERI-1184, pp 72-8)
- KUBO, Kenji Heats of vaporization of UO_2 and UO, 23:45299
  - Surface ionization and thermoelectronic property of uranium dioxide, 24:4276
- KUBO, M. Identification of transfer function of reactor control system by noise analysis, 21:30129 (CONF-660206, pp 439-53)
- KUBO, Minoru Multiple myeloma in atomic bomb survivors, 22:4643
  - Myeloma nephrosis in bomb survivors, 22:8580
- KUBO, R. Fluctuation—dissipation theorem and neutron scattering, 21:17268 (JAERI-1113, pp 128-30)
  - Many-body problems, 23:44575
- KUBO, Reijiro Impact-parameter representation for proton—proton helicity amplitudes at high energies, 21:40237
  - Impact-parameter representation of pion—nucleon scattering amplitudes at high energies, 22:35000
  - Massless tensor fields and tripole ghosts, 23:1675
  - Vector spaces with indefinite metric and pole-type ghosts, 23:39791
  - Veneziano amplitudes consistent with PCAC conditions. I, 25:40984
- KUBO, Ryogo Dynamical processes in solid state optics, 22:1366
  - Electronic properties of fine metallic particles. II, 21:2242
- KUBO, Soto-o Infrared spectra of pentacyanonitrosylmanganese (^{14}NO and ^{15}NO) complexes, 25:41796
- KUBO, Takahiro Zeeman transition of optically aligned alkali metal vapor, 21:13356
- KUBO, Uichi Enhanced microwave scattering by plasma instability in a magnetic field, 23:6985
- KUBO, V. Direct proton magnetic resonance cation hydration number measurements of $SnCl_4$, $SnBr_4$, $UO_2(ClO_4)_2$ AND $Zn(ClO_4)_2$, in water—acetone mixtures, 24:46213
- KUBO, Vicki Direct proton magnetic resonance cation hydration study of uranyl perchlorate, nitrate, chloride, and bromide in water—acetone mixtures, 25:2209
  - Proton magnetic resonance cation solvation study of uranyl perchlorate, uranyl nitrate, and uranyl perchlorate—hydrochloric acid solutions in water—dimethyl sulfoxide—acetone mixtures, 25:26212
- KUBO, Y. Cytokinetic analysis of human cancers in vivo using ^{3}H-thymidine, 24:31779
- KUBO, Yasuhiko Absorption of ^{35}S—GSH and its incorporation into protein in rats, 23:16254
- KUBODERA, Akiko Inhibition of gastrointestinal absorption of radioactive strontium with some ion exchangers, 23:26663 (NP-tr-1757)
  - Inhibition of gastrointestinal absroption of radioactive Sr with some ion exchangers, 22:8484
  - Removal of strontium from body with chelating agents, 22:51583
- KUBODERA, Kuniharu Hartree—Fock model of ^{6}Li nucleus, 25:12410
  - Study of ^{8}Be in molecular orbit model, 24:8934
- KUBOSE, D. A. Beta dose rates from neutron-irradiated ^{235}U carbide particles, 21:15028 (USNRDL-TR-1082)
  - Corrosion of fuel capsules by seawater, 24:23431
  - Electrochemical corrosion studies of galvanically coupled SNAP-21 materials, 22:28737 (USNRDL-TR-68-26)
  - Radioactivity release from radionuclide power sources. VIIa, 23:476 (USNRDL-TR-68-74)
  - Seawater corrosion of SNAP container alloys, 21:13111 (USNRDL-TR-1092)
  - Seawater corrosion studies of SNAP-21 materials, 23:24792 (USNRDL-TR-68-109)
- KUBOSE, Donald A. Corrosion studies of Haynes 25 alloy in seawater, 21:36790 (USNRDL-TR-67-64)
  - Radioactivity release from radionuclide power sources. VIIa, 23:21888 (AD-675039)
- KUBOTA, Eitaro Test chart for radiographic image quality measurement, 24:25283
- KUBOTA, H. Compressibility and thermal properties of organic liquids at high pressures, 24:26900 (UCRL-Trans-10461)
  - Gamma dosimetry at 150 to 250 deg C with deaerated ferrous sulfate solution, 21:4554
  - Properties of salt important in radioactive waste disposal, 22:30812
  - Properties of salt important in radioactive waste disposal, 23:43407
- KUBOTA, Haruo Influence of binder phase composition on the properties of WC—Co cemented carbides, 21:3548
  - Influence of C content on the Co phase contained in WC base cemented carbides, 21:530
- KUBOTA, Hiroshi Graft polymerization of vinyl compound onto cellulose, 22:14545
  - Method for graft-polymerizing with radiation a cellulose material, 23:15907
  - Suspension grafting of styrene onto pre-irradiated rayon, 22:12373
- KUBOTA, Hisashi Chlorine production by gamma radiolysis of acid chloride solutions and its effect on analytical procedures, 22:14520
  - Effects of radiation on analytical methods, 22:14426 (ORNL-4196, pp 12-15)
  - In-field behavior of and cumulative effects on certain electrodes in a gamma field, 25:2231
  - Rapid distillation separation of microgram quantities of fluoride, 22:8149
- KUBOTA, J. Study of monochromatic images of solar prominences, 24:32576
- KUBOTA, M. Impurities in processed radioisotopes produced by (n,γ) reaction: purity of ^{169}Yb, 25:34669 (JAERI-Memo-4279)
  - Impurities in processed radioisotopes produced by (n,γ) reaction: purity of ^{160}Tb, 25:34670 (JAERI-Memo-4280)
- KUBOTA, Masumitsu Impurities in radioisotopes produced by (n,γ) reaction, 25:41877 (JAERI-13545)
  - Purity control of target material for radioisotope production, 24:19032
  - Radioisotope production from fission products, 24:46430 (JAERI-4051)
- KUBOTA, Minoru Effect of γ irradiation on collagen. I, 23:17921
  - Effect of γ irradiation on collagen. II, 23:47968
  - Effect of γ irradiation on collagen. III, 23:50358
  - Effect of γ-irradiation on the structure of nucleic acid. II, 23:17956
  - Effect of γ-irradiation on the structure of nucleic acid. I, 23:17960
  - Protease inactivation by γ irradiation, 24:34080
- KUBOTA, Mitsumasa Detection of Sb and Ba in gunpowder residues by activation analysis, 22:6266
- KUBOTA, Narinobu Simulator for BWR type Tsuruga nuclear power station, 25:3933
- KUBOTA, S. High sensitivity scintillation spectrometer for background neutrons, 21:12669
  - Limitation of Owen—Batchelor method of pulse shape discrimination in a photomultiplier against high energy electrons and muons, 22:2421
  - Scintillation of He, He—Ar, and He—Ne mixtures induced by alpha impact, 21:2063
- KUBOTA, Shinzou Non-metastable Penning effect in α-particle ionization of inert gas mixtures, 24:51419
  - Scintillation of He, He—Ar, and He—Ne gas mixtures excited by alpha particles, 22:9046
  - Spectrum of cosmic ray produced neutrons, 21:16843

KUBOTA, T. Behavior of a thermally conducting layer of bismuth between the can and powdered ceramic fuel, 24:44751 (KFK-tr-321)
KUBOTA, Tadashi Behavior of bismuth bonding between powder compacted ceramic fuel and cladding, 23:8313
  Behavior of bismuth bonding between powder compacted ceramic fuel and cladding, 23:14385
  Behavior of boride dispersions in tungsten at high temperature, 22:4894
  Behavior of burnable poison dispersions in ZrO_2 at high temperature, 22:21767
  Behavior of Dy_2O_3 dispersions in W, ZrO_2, and UO_2 at high temperature, 22:43661
  Behavior of Gd_2O_3 dispersions in UO_2 at high temperature, 22:17129
  Behavior of several rare earth metal oxide dispersions in UO_2 at high temperature, 21:27700
  Behavior of UO_2—WB_2 and UO_2—TaB_2 fuels in steam, 22:17173
  Equiaxed grain growth in swaged UO_2 compact, 22:21774
  Fast flux irradiation program in Japan, 24:41010 (TRG-Report-1911, pp 44-58)
  Fast flux test facilities planned for Japan experimental fast breeder reactor, 24:41053 (TRG-Report-1911, pp 519-30)
  Microstructural changes in UN fuel elements under the influence of a temperature gradient, 23:1050
  Microstructure change induced by center melting and formation of central voids in powder compacted UO_2 fuel, 21:34966
  Microstructure change induced by center melting and formation of central voids in powder compacted UO_2 fuel, 22:7062
  Microstructure change induced by center melting and formation of central voids in powder compacted UO_2 fuel, 22:45823 (NSJ-tr-124)
  Microstructures of columnar grains in uranium dioxide, 21:36938
KUBOTA, Teruo Deposition of radioactive fallout of 4th communist Chinese nuclear test, 23:2422 (NSJ-tr-132)
KUBOTA, Y. Temperature dependence of the critical field H/sub c2/ in solid-solution Nb—Ta alloys, 21:25081
KUBOTA, Yoji Magnetic properties of superconducting Nb—Ta alloys, 23:8553
  Magnetic properties of superconducting tantalum—niobium alloys, 25:1127
KUBOVIC, Milan Changes in blood after x-irradiation of thoracic wall for mammary carcinomas, 21:36691
KUBOWSKI, J. Investigation of light water moderated lattice, 24:18735
  Material buckling measurements in ANNA, 22:37543
KUBRYCHT, J. Determination of the radial intensity distribution of radiation in cylindrical plasma, 22:41572
KUBUROVIC, M. Lj. Use of gamma rays to induce genetic variability in some wheat varieties, 25:24098
KUBYSHEV, N. N. Determination of the rate of movement of the charge in rotary kilns by means of radioative isotopes, 25:54898
KUBYSHKIN, V. V. Distribution of solar-tropospheric disturbances over the earth's surface, 21:694
  Influence of cosmic ray particles upon the lowest layers of earth atmosphere, 22:36828
KUCA, L. Extraction of Pu(IV) with di-n-butylphosphoric acid from nitrate and perchlorate solutions, 21:19747
  Extraction of Pu(IV) with trihexylphosphinoxide and a mixture of di-n-butylphosphoric acid and trihexylphosphinoxide, 21:1441
  Hydration of the organic phase in extraction of uranium with organophosphorus reagents, 21:22023
KUCAB, M. Tables of magnetic structures determined by neutron diffraction. I, 25:22630 (NP-18718)
  Tables of magnetic structures determined by neutron diffraction. II, 25:30664 (NP-18783)
  Tables of magnetic structures determined by neutron diffraction. III, 25:36311 (NP-18845)
  Tables of magnetic structures determined by neutron diffraction. V, 25:56341 (NP-19010)
KUCAN, Z. Activation of ribonuclease I by gamma irradiation of 30 S ribosomes from E. coli, 21:10803
  Breakdown of ribosomal RNA caused by ionizing or ultra-violet irradiation of several bacterial strains, 24:34121
  DNA degradation following ionizing radiation, 24:48400
  Enzymes in breakdown of RNA in x-irradiated E. coli, 23:50368
KUCAN, Zeljko Comparison of the direct effect of γ rays on Escherichia coli ribosomes and bacteriophage f2, 25:44977
  Correlation between breakdown of DNA and radiosensitivity, 23:20121
  Effects of irradiation on the metabolism and biological properties of nucleic acids, 22:19266
  Nature of breakdown of RNA in x-irradiated Escherichia coli, 22:23475
  Preferential degradation of gamma-irradiated deoxyribonucleic acid by crude extract of Escherichia coli, 21:41338
KUCAROVA, T. Investigation of ^{128}Ba $\rightarrow$ ^{128}Cs $\rightarrow$ ^{128}Xe decay, 22:14051
KUCERA, Clair L. Carbon-14 cycling in root and soil components of prairie ecosystem, 21:30797 (ORNL-P-3082)
  Tagging native grassland vegetation with ^{14}C, 23:16236
KUCERA, D. Analysis of variation in EBR-II power coefficient due to blanket change, 22:32848
  Critical experiments and preliminary analysis of multifueled, nonuniform core loadings for FARET program, 21:35693 (ANL-7320, pp 550-9)
KUCERA, D. A. BOW-V: program to calculate equilibrium configurations of thermally bowed reactor core, 24:36000 (ANL-EBR-14)
  BOW-V, program to calculate subassembly configurations of a thermally bowed reactor core, 24:33561
KUCERA, J. Possibilities of determining the thermal output of a power reactor on the basis of measurements of the electrical output, 25:21303
  Radiation-induced addition of 2-propanol to maleic acid, 24:13916
  Radiation-induced addition of 2-propanol to maleic acid, 24:38905
KUCERA, Jaroslav Diffusion of Mo, W, and V in Fe—Cr alloys, 24:4777
KUCERA, M. Changes in reactivity of children after irradiation of nasopharynx, 25:44955
  Cytology of blood and inflammatory exsudate following x irradiation, 24:48715
KUCERA, P. Precision 4π gamma ionization chamber with minimal position dependence, 22:14782
KUCERA, W. J. Initial development of HFIR fuel assemblies, 22:632 (ORNL-4108)
KUCERA, Zdenek Machine for replacement of fuel elements, 23:26007
KUCERENKO, E. T. Reflex discharges at low pressure, 21:13608
KUCEROVA, M. Sequellae of intrauterine radiation exposure in girl 4 years and 6 months after exposure, 25:27057
KUCEROVA, Maria Chromosome analysis of an infant after intrauterine irradiation, 22:28425
  Clinical control following intrauterine irradiation, 25:16105
  Comparison of radiation effects in vitro upon chromosomes of human subjects, 22:28442
KUCEWICZ, B. Spectral changes on HD 125823, 22:47777
KUCHAK, G. M. Electrical conductivity of liquid indium-bismuth alloys, 25:11398
KUCHAR, K. Charged shells in general relativity and their gravitational collapse, 22:24733
  Rainich geometrization of fermion fields, 21:46441
KUCHAR, Karel Charged shells of ideal fluid and the gravitational collapse, 23:51354
  Ground state functional of the linearized gravitational field, 25:12276
  Infinite planes in general relativity, 23:52006
  Principles of general theory of relativity, 24:15672
KUCHAR, L. Distribution of iron and aluminum during zone melting of uranium, 25:11406
  Modeling of solidus and liquidus curves on ODRA 1003 computer, 25:16613
KUCHAR, Lumir Distribution of admixtures during zone melting of low-alloy uranium, 25:47124
  Distribution of iron and aluminum during zone melting of uranium, 24:4782
  Solidus and liquidus curves of binary alloys of U with C, Mn, and V, 25:2737
KUCHAR, O. Technetium-99m in diagnosis of thyroid diseases, 24:34504
KUCHARCZYK, Kazimierz Lymphography in secondary lymphatic edema, 21:43467
KUCHARCZYK, P. Conference on advanced problems and methods in fluid dynamics, Jurata, Poland, 9/65. III, 24:3234
KUCHARSKI, F. Provisions adopted by Austrian General Accident Insurance Institute for dealing with contaminated persons, 22:19338
KUCHARSKI, Jan Thermoluminescence of oleum calami luminophor in alcohol, 24:13975
KUCHARSKI, M. Estimation of optical density equivalent doses for thermal neutrons and gamma radiation, 25:15950 (CLOR/IBJ-78)
  Personnel film monitoring and evaluation of exposure to ionizing radiation of monitored persons, 22:49126 (CLOR-68)
  Production of carrier-free ^{32}P phosphoric acid and ^{32}P phosphates, 24:22695
KUCHAVA, N. E. Blood Au levels in patients with jaundice, 23:20089
  Neutron activation analysis of some mineral waters of Georgia, 24:48055
KUCHEIDA, D. Electromagnetic properties of the 69.6-keV level in ^{189}Os, 22:53214
  Moments of first excited 2^+ states of ^{186}Os and ^{188}Os, 24:11024
  Nuclear charge radius of ^{189}Os, 24:52618
KUCHELA, K. N. Effect of heterogeneity of conducting fluid on performance of MHD generator, 25:49780
  Liquid metal magnetohydrodynamic power generator, 23:6903
  Liquid metal power generator. II, 23:48781
KUCHELA, K. S. Digitally-controlled precision pulser, 21:16243
KUCHELA, Kavudavadi S. Circuits and programs for handling nuclear data, 23:49340
KUCHER, A. M. Production of spontaneously fissionable isomer ^{236}U at radiative thermal neutron capture, 25:31307 (JINR-P7-5497)
KUCHERENKO, E. T. Reflex discharge in a weak magnetic field, 21:29266
KUCHERENKO, M. E. Effect of folic acid on phosphoprotein metabolism of the brain normally and during acute radiation sickness, 22:19454
  Effects of folic acid on DNAase activity of the brain in guinea pigs with acute radiation sickness, 21:32703
  Influence of folic acid on nucleic acid of brain in norm and radiation lesion, 23:4878
KUCHERENKO, T. M. Direct and mediated influence of radiation on the transmission of excitation in the upper cervical sympathetic ganglion of the cat, 23:5016
KUCHERENKO, V. V. Asymptotics of point source function for stationary Schroedinger equation, 24:30425
KUCHERNYUK, V. D. Study of possibility of using NaI(Tl) crystals in heat-resistant borehole apparatus of radioactivity logging, 24:41653 (CSIRO-Trans-10070)
KUCHEROV, R. Ya. Arc regime in a low-pressure cesium thermionic converter, 25:47366
  Effect of argon on thermionic converter operation at low cesium pressures, 25:35930
  Experimental investigation of a thermionic converter in the Knudsen mode, 25:47367
  Influence of magnetic field voltage—current characteristics of thermionic converter, 25:49781
  Investigation of the separation of nitrogen and oxygen isotopes by nitrogen oxide distillation, 21:19739
  Low-voltage Knudsen's arc in a Cs—Ar mixture, 23:51630
KUCHEROV, V. F. Hydrogen isotope exchange in α-bromoallenes, 25:37388
KUCHEROV, V. I. Copper angle of Cu—Ni—Zr phase diagram, 23:10224
KUCHEROVA, I. D. Functional state of the adrenal cortex in patients with thyrotoxicosis after radiotherapy, 22:49614
KUCHERUK, E. V. Middle Devoniam deposits of lower Volga region, 25:15766
KUCHERYAEV, A. G. Stabilization of double-T bridges used in NMR spectrometers, 23:33563
KUCHERYAEV, Yu. A. Possibility of experimental detection of thermal quarks, 21:42335 (IAE-1285)
  Thermionic source of lithium glass, 24:12670 (IAE-1810)
KUCHIN, I. A. Application of the nonlocal exchange model to the analysis of inelastic π^-p interactions, 21:25291
KUCHIN, S. V. Oxidation of Nb, 23:24799
KUCHIN, V. M. Neutron diffraction study of ^{160}Gd single crystal, 23:5454
KUCHINA, G. N. Change of the surface of needle-shaped and massive alkali halide crystals under the influence of x radiation, 23:37987
KUCHINSKAYA, O. I. Extractive photometric determination of scandium by chlorphosphonazo III, 21:35887
KUCHINSKII, V. V. Negative ion decomposition in the short range potential approximation, 24:21605
KUCHITSU, Kozo Average values of bond angles, 25:29071
  Electron-diffraction study of ammonia and deuteroammonia, 23:33194
  Measurement of electron-diffraction intensity by a digital voltmeter, 21:15959
KUCHKINA, E. D. Analysis of a ternary niobate [of Pb, Ca, and Sr], 23:64
  Extraction separation of the alkaline earth from the rare earth elements, 25:21091
KUCHLY, J. M. Lithium driftability in germanium, 22:28092
  Mobility of electrons and holes at 77 deg K in Li-compensated Ge, 21:6274
  Nuclear level schemes from resonance neutron capture (^{196}Pt, ^{184}W, ^{200}Hg, ^{64}Cu, ^{66}Cu, ^{36}Cl, ^{198}Au, ^{60}Co), 23:5897
  Partial radiative capture of resonance neutrons in some isotopes of tin, 23:8995
  Partial radiative capture of resonance neutrons in Cl, Mn, Fe, Cu, Tm, and Hg, 23:52128
KUCHLY, Jean-Marie Excited levels of the ^{237}Np nucleus obtained by α radioactivity of ^{241}Am, 22:44716
KUCHMA, A. S. Hyperfine magnetic field for ^{119}Sn impurity atoms in ferromagnetic terbium, 25:43494
  Life-time of level 242.8 keV in nucleus ^{165}Er, 23:5870
  Lifetime of 242.8-keV level in ^{165}Er nuclei, 22:5816 (JINR-P6-3492)
  Lifetime of the 226.9-keV level in ^{155}Tb, 21:10061
KUCHMA, A. Ya. Dependence of thermoelectromotive forces of Nb and Hf monocarbides on C content in their homogeneous regions, 21:46000
  Magnetic susceptibility of monocarbides of Zr, Hf, and Nb, 22:47705
  Nature of the homogeneity regions characteristic of compounds of the transition metals with carbon and nitrogen, 25:32834
  Temperature coefficient of electric resistance of carbides of titanium, zirconium, and niobium, 23:46559
KUCHMISTAYA, G. I. Photometric determination of niobium, 24:26984
KUCHNIR, F. T. Energy levels in ^{33}P, 23:49358
  Neutron spectra from monoenergetic photons on bismuth, 21:44699
  Reaction ^{30}Si(α,α'γ)^{30}Si, 24:52483
  Reactions ^{27}Al(^{3}He,p)^{29}Si and ^{27}Al(^{3}He,pγ)^{29}Si, 24:15857
  Small-angle scattering of neutrons by heavy nuclei, 23:15442
KUCHNIR, Franca T. Time dependence of scintillations and the effect on pulse-shape discrimination, 22:40415
KUCHNIR, M. Discontinuous field-velocity relation for vortex rings in superfluid solutions, 25:52735
  Evidence for two vortex-ring species in dilute ^{3}He—^{4}He solutions, 25:33164
  Experimental ion mobilities in liquid ^{3}He below 1°K, 22:22089
  New relaxation effect in sound attenuation in liquid ^{4}He under pressure, 24:51581
  Sound propagation in liquid ^{4}He, 23:23052
  Sound propagation through a dilute solution of ^{3}He—^{4}He, 22:15493
  Three-phonon process and propagation of sound in liquid ^{4}He, 21:41975
  Velocity of sound, density, and Grueneisen constant in liquid ^{4}He, 24:21710
KUCHNIR, Moyses Ion mobility in liquid ^{3}He below 1°K, 21:33355
KUCHOWICZ, B. Bibliography of the neutrino, 22:39349
  Bibliography on nuclear and relativistic astrophysics and nuclidic cosmochemistry, 1963—67. III, 24:25818 (NEIC-RR-38)
  Bibliography on nuclear and relativistic astrophysics and nuclidic cosmochemistry, 1963—67. II, 24:25817 (NEIC-RR-37)
  Discussion of gravitational field equations, 23:21164
  Evidence for products of rapid neutron capture on surfaces of peculiar A stars, 25:58462
  Fossil particle tracks in meteorites, 24:39738
  General relativistic fluid spheres. II, 22:48369

  General-relativistic fluid spheres. III, 25:14814
  Geodesic motion in gravitational fields. I, 21:17017
  Geodesic motion in gravitational field. II, 22:5665
  Limits for the periodic system, 24:35900
  Massless particles in Volkoff spheres, 21:33042
  May observable amounts of Pu be present in surfaces of peculiar A stars, 25:24689
  Neutrino and the theory of gravitation, 24:3763
  Neutrino astronomy of the sun. I, 24:30104
  Neutrino hypothesis to first experiments: the prehistory of the neutrino, 22:50346
  Nuclear and relativistic astrophysics and nuclidic cosmochemistry, 1963—67, 24:25816 (NEIC-RR-34)
  Nuclear astrophysics, 22:15324
  Nuclear energy in the world and Poland, 22:42227
  Phase shift s-wave for soft "hard-core" potential, 22:14101
  Primordial synthesis of superheavy nuclei in the galaxy, 24:17579
  Quarks in quasars and a false analogy, 24:10739
  Regularity and boundary conditions for general relativistic fluid spheres, 22:43822
  Relativistic spheres as models of neutron stars, 22:15271 (NEIC-RR-28)
  Search for Pu lines in 73 Dra and other Ap stars, 24:42351
  Solving Einstein's equations in isotropic coordinates, 25:40330
  Two relativistic matter distributions of radial symmetry, 25:59597
KUCHOWICZ, Br. Equation for nonstatic matter distributions of spherical symmetry in general relativity, 25:3448
  Exact formula for a general relativistic fluid sphere, 22:1474
  Fifth state of matter, 23:12463
  General relativistic fluid spheres. I, 22:37197
  Motion and statistics of neutrinos in superdense matter, 22:41791
KUCHOWICZ, Bronislaw Flux of slow neutrons in atmosphere, 21:43841
  Geodesic motion in gravitational fields. I, 21:5335 (NP-16395)
  Massive neutrinos in a perfect fluid sphere, 21:5027 (NP-16400)
  May the micrometeors consist of antimatter, 21:9699
  Neutrino astronomy of Sun. III, 25:40279
  Neutrino astronomy of the Sun. II, 24:48956
  Neutrinos in superdense matter. V, 21:26934 (NP-16738)
  Some new solutions of the gravitational field equations, 21:27257 (NP-16739)
KUCHTA, J. Calculation of bolted joints of large dimensions, 24:47973 (ZJE-61)
  Pretightening of large pressure vessel flange joints, 25:10096 (ZJE-65)
  Pretightening of large pressure-vessel flange joints, 24:25173
KUCHTINA, I. N. Matrix elements of the Hamada—Johnston potential for harmonic oscillator wave functions, 22:1707 (JINR-E4-3445)
KUCHUBERIYA, I. Kh. Spectrum of scattered laser radiation and measurement of electron concentration in a pulsed plasma, 21:25117
  Spectrum of scattered laser radiation and the measurement of electron density in a pulsed plasma, 25:9409 (CTO-733)
KUCHUMOVA, A. N. Action of aliphatic amines on thorium dioxalate, 25:44355
  Preparation and several properties of $K_4Th(HPO_4)_2(C_2O_4)_2 \cdot 6H_2O$, 24:27055
  Reaction of thorium halides, nitrates, formates, and isothiocyanates with carbamides, 21:42931
  Synthesis of thorium oxalate compounds, 23:4636
  Thorium phosphate compounds, 23:9396
KUCIAS, J. Studies of relation of nucleus-cytoplasma ratio to nuclear size. IV, 22:51362
KUCK, George A. Charged particle fluxes in inner Van Allen belt, 22:34374
  Electron contamination of Van Allen belt proton measurements, 21:20856
  Local time dependence of auroral zone electron spectra, 25:24986
  Low-energy particles measured by OV1-9 (1966-111A), 22:34511
  Rocket measurement of low-energy protons, 22:34354 (AD-661562)
  Study of low-energy proton spectra, 22:47924
  Terrestrial magnetic field effects on an electrostatic analyzer, 21:1561 (AD-640976)
KUCK, V. J. Electron paramagnetic resonance of CD_2 and CHD. Isotope effects, motion, and geometry of methylene, 25:10555
KUCKES, A. F. Coherent synchrotron deceleration and emission of type-II and -III solar radio bursts, 23:48668
  Coherent synchrotron deceleration and emission of Type II and III solar radio bursts, 25:32977
  Electron cyclotron resonance heating of alkali plasmas, 21:35132 (CONF-670104-Pt.2, pp 543-62)
  Electron—cyclotron resonance heating of alkali plasmas, 22:1149
  Excitation of electrostatic ion cyclotron oscillations, 21:7247
  Excitation of electrostatic oscillations near the ion cyclotron frequency, 21:35163 (CONF-670104-Pt.2, pp 411-23)
  Interchange instability in a hot-electron plasma, 21:7297
  Limit of the plasma temperature attainable by cyclotron resonance heating in a magnetic mirror, 22:29465
  Magnetic field in two-dimensional multipole configurations, 23:12759
  Plasma confinement and potential fluctuations, 23:32337
  Relativistic cyclotron instabilities, 24:35451
  Resonant absorption of electromagnetic waves in a nonuniformly magnetized plasma, 23:18684 (CONF-680113-(Vol.1), pp 119-43)
  Synchrotron deceleration of electrons in a plasma, 23:20899
KUCKUCK, H. Superconducting dc quadrupole lens, 25:28111 (KFK-1218)
KUCKUCK, Robert W. Semiconductor detectors for use in the current mode, 25:37583 (UCRL-51011)
KUCZEN, K. D. Design considerations for LMFBR steam generators, 24:33293
KUCZERA, B. REX: digital code for calculation of dynamic problems of a fast reactor, 25:46241 (NP-18890)
KUCZERA, Janina Penetration of monoenergetic electrons through dielectrics, 21:9341
KUCZKOWSKI, R. L. Microwave spectrum, structure, dipole moment, and barrier to internal rotation of P trifluoride-borane, 21:8282
KUCZKOWSKI, Robert L. Microwave spectrum, structure, and dipole moment of difluorophosphine borane, 25:23577
KUCZYNSKI, G. C. Conference on sintering and related phenomena, Notre Dame, Ind. 6/65, 22:31356
  F-colorability decay in potassium halide polycrystals, 21:9658
KUCZYNSKI, George C. Effect of dispersed oxide particles upon sintering of metallic compacts, 24:6180
KUDAKA, Katsuya Effect of pressing with a high-pressure apparatus on WC—Co hard metals, 21:18337
  High-pressure sintering of WC powder and WC—Co mixed powder, 22:2677
  Sintering of WC powder and WC—Co mixed powder under high pressure, 21:32971
KUDAKABA, Katsuya X-ray analysis of strain and crystallite size in tungsten carbide compressed at high pressure, 21:22923
KUDASHEVA, N. P. Dynamics of changes of the morphological composition of the peripheral blood in rats following ^{239}Pu inhalation, 22:49503
  Effect of additional pathological factors on long-term consequences of ^{239}Pu poisoning, 23:22386 (AEC-tr-6944, pp 484-92)
  State of blood in rats under ^{239}Pu, 25:24324 (AEC-tr-7195, pp 347-53)
KUDASOV, A. S. Isotropic thermoelectric generator, 24:21638
KUDELAINEN, V. I. Electron beam indication from residual gas luminosity, 25:1680
  Indication of electron beam by light of background gas, 22:9726 (UCRL-Trans-1360)
  Starting up of betatron B-3 with external injection, 22:20377 (UCRL-Trans-1363)
KUDELIN, G. M. Installation for the multiple-frequency sounding of the ionosphere, 22:15473
KUDELIN, K. M. Dosimetric characteristics of LiF monocrystal, 24:1111
  Thermoluminescent dosimetric device, 22:36114
  Thermoluminescent spectrometer of x and gamma radiation, 23:33483
  Thermoluminescent, individual dosimeters, 23:35526
KUDERA, Donald E. Plutonium and americium recovery from a chloride-salt matrix, 25:37464 (RFP-1642)
KUDESIA, V. P. Mechanism of bromine oxidations. II, 24:50373
KUDEYAROV, Ya. A. Nucleon associations in nuclei ^{6}Li and ^{4}He from data on some reactions at high energies, 23:28268
KUDEYAROV, Yu. A. Elastic and inelastic scattering of high-energy electrons in the cluster model, 23:19192
  Form factors for various degrees of freedom in ^{6}Li nucleus, 25:22984
  Inelastic scattering of electrons on ^{9}Be and a comparison of different nuclear models, 21:2626
  Nucleon clusters in nuclei ^{6}Li, ^{7}Li, and ^{9}Be from data on various reactions at high energies, 22:14116
  Scattering of fast electrons on the ^{6}Li nucleus and the cluster model, 21:9950
KUDIMOV, A. V. Distribution of absorbed energy of x radiation in Earth's atmosphere, 25:9351
KUDIN, V. I. Distribution of doses produced in water by electrons and positrons with 5, 10, and 15 MeV energies, 24:23206
  Integrated Cherenkov detector for short pulses of electrons, 24:11841
  Ring focusing collimators for scanning, 21:30859
KUDINOV, B. S. Determination of N in pure Nb by neutron activation at 14 MeV, 22:6283
  Development of a fast-neutron activation method for determination of N in Nb, Ta, and Ti, 25:54501
KUDINOV, M. A. Effect of γ radiation on soil germination of seeds of woody plants, 24:921
  Intensity of the photosynthesis of Oregon ash grown from irradiated seeds, 23:8085
  Resistance of carrageen and indigo bush to gamma rays, 25:44976
KUDINOV, V. Shock-wave compression of some inorganic compositions, 23:12426
KUDINOV, V. M. Influence of starting parameters on ripple formation in explosive welding of metals, 25:31736 (SCL-T-710240)
  Production of Nb-plated Ti28V bimetal by explosion method, 22:47670
KUDINOV, V. V. Angular distribution of monoenergetic electrons and beta particles scattered in a shield, 25:7436
  Attachment of molten particles to solid surface, 23:24828
  Interaction between refractory metals and graphite on vacuum deposition, 23:36045
KUDINTSEVA, G. A. Emissive properties of yttrium and gadolinium borides, 22:28884
KUDIRKA, A. A. Gas-liquid separation on a vane of a radial vane separator, 21:39087
  Phase distributions and velocities in two-phase flow, 21:43170
  Radial vane steam separator development, 21:30590 (GEAP-5283(Vol.2))
  Radial vane steam separator development, 21:30589 (GEAP-5283(Vol.1))
KUDLA, Lutz Mechanism of ether formation from phenols over ThO_2, 21:58
KUDLACEK, R. Conductometric analysis of heavy water, 24:26973
KUDLEK, Manfred Problem of three interacting particles including bound states, 24:45446 (DESY-70/29)
KUDMAN, I. Improved compatible materials for thermoelectric power generation, 23:16694 (NYO-3886-2)
  Improved compatible materials for thermoelectric power generation, 23:30142 (NYO-3886-3)
  Improved compatible materials for thermoelectric power generation, 24:3001 (NYO-3886-4)
  Prog. rpt. on materials for thermoelectric power generation, semiannual, 2/68, 22:24091 (NYO-3886-1)
KUDO, Akio Permanent-magnet flowmeter for liquid sodium. I, 24:7557
  Permanent-magnet flowmeter for liquid Na. II, 24:7701
  Permanent-magnet flowmeter for liquid sodium. II, 24:11862
KUDO, Akira Radioactivity transport in water, 24:9519
  Radioactivity transport in water: summary report, 24:20875 (ORO-490-20)
  Transport of ^{137}Cs. II, 25:29204
KUDO, H. Appearance energy and energy dependence of the recoil product yield in indium ethylenediaminetetra-acetate by the ^{115}In(γ,γ')/sup 115m/In reaction, 24:31435
  Behavior of recoil atoms in Cu oxinate, 23:31379
  Study of hot atom effects of cadmium phthalocyanine using a daughter-tracing technique, 23:33218
KUDO, Hiroshi Chemical behavior of ^{113}Cd recoil atoms in neutron irradiated Cd phthalocyanine, 24:46254
  Chemical behavior of ^{144}Pr decayed from ^{144}Ce(III)-EDTA complexes, 23:19812
  Chemical behavior of ^{51}Cr recoil atoms, 23:15912
  Chemical behavior of chromium recoil atoms produced in various chromates, 24:36302
  Chemical behavior of recoil atoms produced by low temperature irradiation, 24:31369
  Intercomparison of the hot-atom effects among α, β, γ, and delta crystals of Cu phthalocyanine, 25:190
  Observation of neutron dose dependence of the apparent initial retention in chloroindium chlorophthalocyanine, 25:54680
KUDO, Hisao Purification of plutonium by anion exchange in nitric acid, 21:36101
KUDO, K. Determination of Mn, Cu, Zn, and Cd in gallium arsenide, 24:13783
  Rheological properties of elastomers based on cellulose fibers, 24:27141
KUDO, Keiko Tumor-specific localizing agent for radioisotope image. III, 24:27497
KUDO, Kiyoshi Meson decays in the dynamical composite model, 24:42925
  Radiation monitoring in the Electrical Communication Lab, 22:36276
  Radioactivation analysis of Cd based on isotope-dilution principle, 22:52
  Radioactivation analysis of copper in gallium arsenide as semiconductor material, 22:46
  Radioactivation analysis of zinc based on the quantitative isotope dilution principle, 21:42894
KUDO, M. 1-kW superconducting ac generator utilizing superconducting rotating shields, 25:45437
  Nb—Zr—Ti ternary alloy in superconducting magnets, 23:6953
  Superconducting saddle-shaped magnets, 23:3428
KUDO, Mitsuhiro Magnetic shielding by superconducting Nb—40Zr—10Ti hollow cylinders, 23:12720
  Rotary electrical ac generators utilizing the magnetic shielding and trapping by superconducting plates, 24:2348
  Stabilized composite superconductors and magnets, 23:42159
KUDO, Shoko Double sunspot-cycle variation in cosmic-ray diurnal variation, 21:41842
  Eleven-year variations of cosmic-ray intensity, 23:18466
KUDO, T. Energy transfer in liquid-phase radiolysis of binary alkane systems, 21:30476
  Radiolysis of 2,3,4- and 2,2,4-trimethylpentanes, 22:99
KUDO, Tomoyoshi Radiolysis of liquid branched alkanes, 22:21106
KUDO, Toshiyuki Initial stage of electrodeposition of tungsten alloys. V, 22:26031
  Studies on electrodeposition of tungsten alloys. V, 21:1875
KUDO, Tsutomu Decontamination of materials, 25:2346
KUDO, Yoshiteru Quasi-free proton—proton scattering on deformed nuclei, 22:3784
KUDOH, Mitsuo In-pile calorimetry, 24:16936
  Temperature control in capsule irradiation. I, 23:40921
  Temperature control in capsule irradiation. II, 24:16764
KUDOYAROV, M. F. Elastic and inelastic proton scattering on ^{23}Na, 24:18393
  Quadrupole moment of first excited state in ^{114}Cd, 24:49915
KUDOYAROV, M. S. Quadrupole moment of the ^{114}Cd nucleus in the first excited state, 24:52610
KUDRAK, Daniel R. Solid-state studies of oxygen-deficient Ta_2O_5, 21:24827
KUDRAK, Daniel Robert Chemical and physical studies of oxygen-deficient tantalum pentoxide, 22:4886
KUDRAUTSAVA, V. M. Use of irradiated pollen for hybridization of tulips, 25:35255
KUDRICK, J. A. Implantable electrical power source for an artificial heart system, 25:4235
KUDRIN, I. D. Influence of radiation-protective preparations on functional state of human organism, 21:16375 (JPRS-38272, pp 366)
KUDRIN, L. P. Calculation of the dissociation energy of calcium and uranium monofluoride, 21:27982
  Diagnostics of dense plasma with the resonant scattering of gamma rays, 23:51609

  - Dissociation cross section for slow colliding excited molecules, 24:39811
  - Evaluation of conductivity of low-temperature (uf) plasma of high density, 21:33384
  - Potentials of uranium atoms and calculation of the ionization energy, 21:29000
  - Ramsauer effect for uranium atoms, 23:48702
- KUDRITSKAYA, L. N. Separation of small amounts of niobium from titanium and tantalum by means of the anion exchanger from ethanol—hydrochloric acid solutions, 23:2243
- KUDRYASHEVA, A. A. Pasteurization of fresh raspberries with gamma rays of different intensity, 22:28724
- KUDRYASHEVA, L. V. Electric properties of solid solutions of ZrC—NbC, 22:17730
  - Electrical properties of complex non-stoichiometric carbides ZrC—Nb and NbC—Zr, 22:41111
  - Magnetic susceptibility of solid solutions of ZrC and NbC, 24:26323
- KUDRYASHOV, B. A. Functional state of blood-clotting system during radiation sickness in animals, 24:7753
- KUDRYASHOV, B. G. Fatigue and brittleness of metallic materials, 23:51060
- KUDRYASHOV, E. I. Effect of alpha-irradiation on Chlorella, 24:6025
  - Method of irradiating biological objects with a multiply charged ion accelerator, 21:16348 (JPRS-38272, pp 304-5)
  - Microdistribution of absorbed dose in the track of a heavy charged particle, 25:16134 (JPRS-52121, pp 51-7)
  - Regularities in post-irradiation recovery of yeast cells, 23:38882
  - Relative biological effectiveness of multicharged ions during single irradiation of Chlorella, 25:16375 (JPRS-52121, pp 58-62)
  - Relative biological effectiveness of multicharged ions during single irradiation of Chlorella, 25:21964
- KUDRYASHOV, E. S. Determination of niobium and tantalum by roentgenoradiometric method, 23:40555
- KUDRYASHOV, L. I. Appearance of H^+ ions in irradiated liquid water, 25:34668
  - Concerning the mechanism of radiolysis of aqueous solutions of cellobiose, maltose, and gentiobiose, 23:17480
  - Electron paramagnetic resonance study of the free-radical state, formed on irradiation of frozen solutions of cellobiose, gentiobiose, and maltose, 22:33456
  - Epimerization of monosaccharides under effect of γ irradiation, 24:6002
  - EPR studies of formation and transformation of radicals during irradiation of frozen hydrous lactose solutions, 22:45132
  - Formation and transformation of radicals in meso-inositol under the effect of γ-radiation, 24:29335
  - Formation of desoxysaccharose on irradiation of aqueous solutions of carbohydrates, 24:20826
  - Mechanism and products of radiolysis of α-methyl-D-glucoside, 22:33455
  - Racemization of α-amino acids exposed to γ radiation, 25:34622
  - Radiation chemistry of carbohydrates. X, 23:21741
  - Radiation chemistry of carbohydrates. IX, 23:21740
  - Radiation chemistry of carbohydrates. XIV, 25:34664
  - Radiation chemistry of carbon. VIII, 22:27761
  - Radiolysis of aqueous solutions of ribose, 23:11559
- KUDRYASHOV, P. L. Spectral-kinetic characteristics of uranyl ion in glass, 24:30144
- KUDRYASHOV, V. I. Elastic and inelastic scattering in A = 23 to 35 region, 25:28261
  - Model of excited nuclear core and the properties of nuclear levels of ^{27}Al, 22:39615
- KUDRYASHOV, V. V. Mean energy of electrons ejected from atoms at ionization by electron impact, 25:11727
- KUDRYASHOV, Yu. B. Action of the natural radiomimetics, ionizing radiation, and vibration on a change in histamine level in rat tissues, 21:22743
  - Application of radiomimetic model for investigation of protective properties of chemical compounds, 21:22635
  - Changes in content of free choline in liver of rats irradiated with high-energy protons, gamma rays, and fission neutrons, 22:47490
  - Chemical nature of lipid radiotoxin, 23:2799
  - Comparative evaluation of the protective activity of potential radioprotective agents (Bunte salts) on various biological models, 21:6552
  - Deamination of nitrogen compounds in liver during radiation sickness, 25:29641
  - Decrease of radiosensitizer lipoid toxicants as one mechanism of radioprotective effect, 25:32442
  - Direct and distant effects of radiation on the level of quinones in organs and tissues of rats, 21:36522
  - Effect of natural radiomimetics, ionizing radiation, and vibration on variation in the level of histamine in rat tissues, 22:25964
  - Effect of synthetic and natural inhibitors of lipid oxidation on oleic acid (radiomimetic) hemolysis, 22:28291
  - Erythrocytes as a model for studying radiotoxins and chemical radioprotectors, 23:10027
  - Express methods of initial selection and study of chemical means of protection from radiation injury, 25:27024
  - Formation of free radical states in animal liver induced by γ radiation and radiotoxins of lipid nature, 21:8739
  - Formation of lipid, 23:26960
  - Free choline level changes of the liver in rats irradiated with high-energy protons, gamma rays, and fission neutrons, 22:21434
  - Free histamine level changes in tissues of rats irradiated with high-energy protons, gamma rays, and fission neutrons, 22:25726
  - Measuring redox potential in animal tissues when selecting effective radioprotectors, 22:25867
  - Native radiomimetic and primary radicals generated in irradiated lipids, 22:28303
  - Rapid methods for the initial selection and study of the properties of chemical means of protection against radiation injury, 25:21744
  - Role of biologically active substances (radiotoxins) in radiation sickness, 24:39557
  - Role of primary radiotoxins in radiation damage of a cell, 25:35200
  - Role played by endogenous serotonin in the radioprotective action of aminothiols, 23:26822
  - Use of models for evaluation of radioprotective effect of aminothiols, 22:25900
- KUDRYASHOV, Yu. I. Nonspecific allergic reactions in sheep in chronic radiation sickness, 25:10989
- KUDRYASHOVA, L. A. Unsteady flow of an electrically conducting gas in crossed electric and magnetic fields, 22:2887
  - Unsteady flow of mercury in a trough in a transverse magnetic field, 25:19553
  - Unsteady flow of plasma in magnetogasdynamic shock-tube channels, 24:47094
- KUDRYASHOVA, L. V. Electrical properties of solid solutions of carbides, 21:46406
- KUDRYASHOVA, Z. P. Enthalpy of formation of K_2UCl_6, $KUCl_5$, Na_2UCl_6, and $KNaUCl_6$, 24:48081
- KUDRYATOV, L. I. Radiation chemistry of carbohydrates. XII, 25:6371
- KUDRYATSEV, A. P. Similarities and differences in pool boiling heat transfer of liquid metals, 23:11716
- KUDRYAVTSEV, A. E. Behavior of cross sections near the threshold of reactions, 23:44952
  - Contribution to the theory of resonance reactions in the region of overlapping levels, 24:1895
  - Lifetime of ^{3}H/sub Λ/, 24:15540
  - Mass spectrum of (Λp) from reaction $K^-d \rightarrow \pi^-\Lambda p$, 25:59522
  - Toward a theory of resonance reactions in the region of overlapping levels, 23:44949 (ITEF-659)
- KUDRYAVTSEV, A. M. Interactions of electron and ion beams with potassium plasma, 22:13458
  - Ion heating and diffusion of low-frequency instability in plasma with electron beams, 24:51613
  - Turbulence and electron heating during beam instability, 24:35375
- KUDRYAVTSEV, A. N. Anomaly in collisions of protons with Be nucleus near the threshold of the reaction ^{9}Be(p,n)^{9}B, 24:22088
  - Differential cross sections of proton elastic scattering on Be nuclei and the total cross section of reaction ^{9}Be(p,n)^{9}B near threshold, 25:1717
  - Observation of the anomaly near threshold in collisions of protons with Be nuclei at the energy 2.06 MeV, 22:39582
- KUDRYAVTSEV, A. P. Experimental study of heat transfer from horizontal flat surface to sodium under free convection, 22:8298 (BNL-tr-167)
  - Heat transfer during developed boiling of alkali metals, 25:13157
  - Sodium boiling heat transfer in conditions of natural convection, 22:35993
  - Some problems of boiling and outgassing in sodium, 23:52337 (JPRS-48330, pp 396-425)
  - Superheating required for the boiling of alkali metals, 24:42105
- KUDRYAVTSEV, A. S. Effects of radiation on catalytic properties of complexes of azomethanes and ions of transition metals, 25:4103
- KUDRYAVTSEV, E. M. Electron excitation of transitions between excited states in Ba^+ and Sr^+ ions, 25:14000
- KUDRYAVTSEV, E. V. Dependence of transient heat transfer on heat flux density, 21:6135 (ANL-Trans-393)
- KUDRYAVTSEV, N. S. Effect of vacuum on the creep of beta zirconium at high temperature, 21:6818
  - Evaporation of Ti under vacuum, 23:24903
- KUDRYAVTSEV, V. A. Account of spin of interacting particles in inelastic processes at high energy, 23:44663
  - Electromagnetic mass differences of the $^1/_2{}^+$ baryons calculated with the Dashen—Frautschi method, 21:44306
  - Physical states on daughter trajectories in dual amplitude under condition $\alpha(0) = 1$, 25:43712
  - Polarization of finite particles in elastic and inelastic processes at high energies, 24:30469
  - Processes with fermion Regge poles, 23:36949
- KUDRYAVTSEV, V. D. Influence of ionizing radiation on the dendritic potentials, 24:9928
  - Myoparalytic action of succinylcholine following whole-body gamma irradiation, 25:46996
  - Prolonged action of succinylcholine at the height of acute radiation sickness, 25:49110
  - Synaptic lag in rats during acute radiation sickness, 24:870
- KUDRYAVTSEV, V. G. Angular distribution of charged particles during pair production by photons and the effect of multiple scattering, 22:17893
  - Coherent scattering of γ quanta by nuclei, 25:5174
  - Removal of infrared divergences in radiative corrections, 23:32669
- KUDRYAVTSEV, V. S. Atoms in a superstrong magnetic field, 25:35644
  - Molecules in an ultrastrong magnetic field, 25:35645
- KUDRYAVTSEV, Yu. I. Design of gamma—gamma method probes for measurements with a varying distance to the surface of the investigated medium, 23:24476 (UCRL-Trans-10333)
  - Elemental composition study in x-ray radiometric logging, 22:14587
- KUDRYAVTSEVA, A. V. Application of multigroup methods for the calculation of neutron flux distributions in inhomogeneous shields, 22:35675
  - Decay chain of ^{138}Nd $\rightarrow$ ^{138}Pr $\rightarrow$ ^{138}Ce, 22:3695 (JINR-P6-3541)
- KUDRYAVTSEVA, R. V. Amorphization of polycrystalline germanium films on irradiation with argon ions, 21:35228
- KUDRYSHOV, Yu. B. Role of endogeneous histamine in the radioresistance of radioprotectors, 25:21740
- KUDVA, Shanthi P. Rhodium-103m generator with potential medical usefulness, 23:45372
- KUDYAKOV, V. Ya. Electrochemical behavior of thorium in molten sodium chloride and an equimolar mixture of potassium chloride and sodium chloride, 25:6293 (IS-Trans-84)
  - Formation of bivalent thorium in potassium chloride melts, 22:35781
- KUDYKINA, T. A. Energy of electron-void formation in CdSe monocrystals, 24:6274
- KUDYMOV, B. Ya. Application of nuclear explosions in the extraction of oil, 22:12468 (UCRL-Trans-10200)
- KUDZINAU, M. A. Gamma radiation effects on growth and development of maples and birches, 21:22784
- KUEBBING, R. A. Angular correlation of cascade gamma rays in ^{94}Nb, 21:21521 (N-67-12923)
  - Angular correlation of cascade gamma rays in ^{94}Nb, 21:29980
- KUEBBING, Richard A. Angular correlation test of time-reversal invariance, 23:32792
- KUEBBING, Richard Andrew Measurements of transition probabilities in some middle weight nuclei, 24:49863 (TID-25540)
  - Transition probabilities in middle-weight nuclei, 25:20471
- KUEBLER, N. A. Low-temperature heat capacities of $Ag_7O_8NO_3$ and $Ag_7O_8HF_2$, 25:17090
  - Metallic conductivity and superconductivity in some silver clathrate salts, 21:2177
  - Nuclear magnetic resonance and superconductivity in clathrate salt $[Ag_6O_8]^+HF_2^-$, 22:11344
- KUEBRICH, John P. Mechanism of the benzoin condensation, 25:26220
- KUECHEMANN, D. Progress in aeronautical sciences. IX, 23:21617
- KUECHLE, M. Feasibility of a 10^{16}-flux reactor, 21:40676 (KFK-579)
  - Instrumented nuclear material assay for safeguards, 25:51759 (A/CONF.49/P-809)
  - Investigations on ANEX in Geesthacht concerning the usefulness of reactivity measurement for fissionable material flux control, 24:16240 (KFK-1040)
  - Measurements of neutron spectra and decay constants with fast subcritical facility SUAK, 21:35690 (ANL-7320, pp 506-22)
  - Neutron spectrum measurements in various SUAK assemblies, 24:22457
  - Proposal for a standard spectrum to check techniques of fast neutron spectrum measurements, 25:12816 (EACRP-L-74)
  - Reactor physics trends and development in federal Germany, 23:4419
  - Slowing down spectrometer and calorimetry techniques for safeguards, 25:39694
  - Some investigations on non-destructive safeguards techniques, 24:48239 (KFK-1208)
- KUECHLER, L. Applicability of the Acid Thorex process for recovery of Th reactor fuel, 25:244
  - Laboratory and hot-cell experiments on applicability of Acid Interim-23 process, 25:39573
  - Thorex two-stage process for reprocessing thorium reactor fuel with high burnup, 25:57541
- KUECHLER, Leopold Processes for improved fission product separation in the reprocessing of highly burnt up thorium-containing nuclear fuels, 25:48583
- KUEFFER, K. Start-up and operational experience with first two Swiss nuclear power stations Beznau and Muehleberg, 25:53949 (A/CONF.49/P-673)
- KUEGLER, Jorg Irradiation of hot ingots during inspection for shrinkage, 23:2537
- KUEHBOECK, J. Late effects of radiophosphorus therapy of polycythemia vera, 25:11303
- KUEHL, D. Properties of pyrolytically produced boron fibers, 21:13269
- KUEHL, H. Reliability analyses of reactor systems from the view of producer and operator, 25:37095 (IRS-T-18(1970), pp 217-21)
  - Reliability analysis of reactor systems from the viewpoint of the constructor and operator, 25:48325 (IRS-T-18(1969), pp 207-11)
- KUEHL, H. H. Coupling of transverse and longitudinal waves below the second electron cyclotron harmonic, 21:16935
  - Coupling of transverse and longitudinal waves below the second electron cyclotron harmonic, 21:42051 (NP-16945, pp 139-42)
  - Experimental study of coupling to cyclotron harmonic resonances, 21:42052 (NP-16945, pp 142-6)
  - Reflection and transmission measurements on a magnetized plasma slab, 25:33347
  - Reflection and transmission of waves from magnetized nonuniform plasma slabs, 22:17684
  - Resonances and wave conversion below the second electron cyclotron harmonic, 24:28371
- KUEHL, R. Fast neutron flux measurements with stilbene-scintillator, 25:8509
- KUEHN, B. Determination of the neutron—neutron scattering length from a kinematically complete experiment with the reaction ^{3}H(t,n^{4}He)n, 25:59506 (JINR-E15-5905)
  - Measurements 2D of the reaction H(d,2p)n at 14 MeV, 23:25808
  - Optical model analyses on ^{12}C(d,d) elastic scattering data in the deuteron energy range from 10.6 to 13.9 MeV, 21:44565 (ZFK-122, pp 161-6)
  - Quantitative estimation of experimental hepatomas by ^{198}Au-colloid, 23:35803
  - Reaction ^{12}C(d,α)^{10}B, 21:44572 (ZFK-122, pp 235-41)
  - Reaction ^{12}C(d,p)^{13}C in the energy region from 9 to 14 MeV, 21:44571 (ZFK-122, pp 228-34)
  - Three particle reaction H(d,2p)n at 14 MeV, 23:21239 (ZFK-130, pp 209-10)
  - Two-dimensional measurements of the deuteron break-up by protons at E/sub d/ = 14 MeV, 23:3933

- KUEHN, Donald E. ANL Mark-TV2: an experimental five-motion head-controlled TV system, 21:6114
- KUEHN, E. W. Capacitance characteristics of lithium-drifted pin-diodes mounted together with a cooled FET stage, 25:57802
  - Capacitance measurement on biased Ge(Li) and Si(Li) radiation detectors, 24:29499
- KUEHN, Ernst Energy loss of charged particles in matter. I, 23:14637
- KUEHN, G. Amphoteric ion-exchange resins. II, 21:30372
- KUEHN, H. Technological improvement in fabrication of cast uranium carbide rods, 23:39019 (EUR-4273)
- KUEHN, K. Disposal of radioactive wastes by storage in a salt mine in the Federal Republic of Germany, 25:21373
  - Geo-scientific investigations in ASSE II salt mine, 22:16819
  - Radioactive waste, 25:54985
  - Storage of radioactive wastes, 24:41414
- KUEHN, P. R. Preparation of self-supporting, metallic foils of isotopic chromium, 25:59633 (CONF-711002-, pp 39-46)
  - Sensitive pneumatic bridge powder analyzer, 21:10310 (K-1684)
- KUEHN, Paul G. Epidermoid carcinoma of the perianal skin and anal canal, 23:38710
- KUEHN, W. Coincidence-counter to measure the absorbed energy inside the cell, 24:44252 (EUR-4452, pp 363-72)
  - Depth and surface equipment for soil density measurements with gamma rays, 22:6668
  - Field dependent resistance and field limiting phenomena in superconducting high frequency resonators, 25:47487 (NP-18922)
  - Investigation of additional losses of superconducting cavities due to field dependent effects at high levels, 23:19074 (BNL-50120(Pt.2), pp 765-9)
  - Measurements of RF-absorption of superconducting resonators, 23:28189
  - Moisture measurement in thin soil layers by absorption of gamma-rays in a capillary porous body, 25:23709
  - Quantitative relations in the application of depth and surface-equipment for soil density measurements by scattering of gamma rays, 21:3333
- KUEHN, W. K. G. Movement and the de-enrichment factor of anions at a site on the Danube, 22:23158
- KUEHNE, B. M. Surface effects of radiation on MOS transistors, 21:14522
- KUEHNE, F. J. Electron induced noise in star tracker photomultiplier tubes, 22:12728
  - Unscanned wide-area electron beams for space radiation-effects studies, 21:36477
- KUEHNE, Frederick J. Use of a simplified neutron activation technique for analyzing metallic wear from aircraft hydraulic systems, 21:8547
- KUEHNE, H. W. Photon scattering by giant magnetic dipole states in ^{12}C, ^{24}Mg, and ^{28}Si, 22:3623
- KUEHNEL, A. Calculation of the two-point function of a strong self-interacting field in configuration space, 21:29401
  - Equations of motion and radiation reaction, 22:13860
- KUEHNEL, Adolf Einstein equation and the motion equation for a continuum in the high-velocity approximation, 21:21117
- KUEHNEL, R. HDR: program for startup-to-on-line operation, 24:7048
- KUEHNEL, Roland Nuclear research station at Grosswelzheim-Kahl, 21:23646
- KUEHNELT, H. A low-energy theorem and nucleon—nucleon bremsstrahlung, 23:32656
  - Application of generalized Veneziano model to $K^-p \to K^{*-}\pi^-\Delta^{++}$ and $\pi^+P \to K^+K^{*-}\Delta^{++}$, 25:22832
  - Electromagnetic mass differences, 23:15034
  - Low energy pion—pion scattering, 25:56495
  - Model for low-energy $\pi\pi$ scattering, 25:53165
  - Model for nucleon form factors, 24:52017
  - One-boson-exchange model of nucleon—nucleon bremsstrahlung, 24:47480
  - Process NN $\to$ NNπ near threshold, 23:44675
  - Radiative neutron—proton scattering at low energy, 25:56526
  - Relativistic and gauge-invariant model of nucleon—nucleon bremsstrahlung, 23:42599
  - Unitarity and crossing symmetry in low-energy π—π scattering, 25:19993
  - Unitarized and nearly crossing-symmetric π-π S-wave amplitudes, 24:26435
- KUEHNER, A. V. Dose equivalent meter designs, 25:18809
  - Experience with an LET spectrometer, 24:31745
  - Radial distribution of dose along heavy ion tracks, LET/sub r/, 22:4600 (BNL-11877)
- KUEHNER, Alan V. Factors affecting pulse size in sealed tissue-equivalent counters, 24:479 (BNL-14063)
- KUEHNER, Edwin C. Development and characterization of ion-exchange bead microstandards, 24:11482
- KUEHNER, J. A. Angular correlations in ^{23}Na(p,γ)^{24}Mg, 24:3894
  - Gamma-ray angular correlation studies on levels of ^{28}Si and ^{29}Si, 21:2704
  - Gamma-ray angular correlation studies of levels of ^{29}Si, 22:26993
  - Gamma-ray polarization measurements in ^{23}Na, 25:20318
  - K = 7/2 negative parity band in ^{29}Si, 25:25677
  - Lifetimes and branching ratios of energy levels of ^{29}Si. II, 23:15409
  - New high-spin levels in ^{20}Ne, 21:25458
  - Positive-parity bands in ^{29}Si, 25:46012
  - Resonance strengths and decay schemes in ^{23}Na(p,γ)^{24}Mg, 24:3887
  - Spin—parity combinations in ^{22}Ne, 25:36698
  - Study of ^{20}Ne levels by radiative capture, 21:13852
  - Study of levels in ^{24}Mg, 22:39614
  - Study of some ^{20}Ne levels by radiative capture, 21:25494
  - Transition probabilities in ^{20}Ne, ^{24}Mg, and ^{28}Si, 22:20539
- KUEHNERT, Charles Carroll Leaf development in certain of the vascular plants, 25:37203 (NYO-3597-16)
  - Leaf development in certain of the vascular plants, 25:39383 (NYO-3597-17)
  - Leaf development in vascular plants, 23:774 (NYO-3597-7)
  - Leaf development in vascular plants, 24:41107 (NYO-3597-15)
  - Prog. rpt. on leaf development in vascular plants, annual, 9/66—8/67, 21:32795 (NYO-3597-3)
- KUEHNERT, Peter Direct and rare gas-sensitized γ radiolysis of cyclopropane, 25:15664 (NP-18627)
- KUEHN III, Nicholas Henry Study of some aspects of the neutron thermalization problem, 25:9962
- KUELLMER, A. Mechanical design of isochronous cyclotrons, 24:20281
- KUELLMER, Alfred Accelerators, 21:35369
- KUEMMEL, H. Alpha-cluster probability in nuclear matter, 21:30041
  - Inelastic electron scattering from nuclear matter, 22:35370
  - Note on short-range correlations and elastic electron scattering, 25:46111
  - Parity-forbidden alpha decay of some ^{16}O levels, 23:39951
  - Realistic calculations of parity-mixing effects in heavy nuclei, 25:39008
  - Recent development in direct reaction theory, 22:3800
  - Recent development in direct reaction theory, 22:20674 (NP-17228, pp 104-29)
  - Short-range correlations and parity impurities, 25:20488
  - Short-range correlations in a Woods—Saxon shell model, 25:10071
  - Three body decay of 1.71-MeV (2^+) state of ^{6}He, 22:22558
  - Three-body model for ^{6}He, 21:19177
  - Three-particle stripping reactions, 23:17129
- KUEMMEL, H. G. Nuclear masses from first principles, 23:23767
- KUEMMEL, R. Structure of vortex lines in pure superconductors, 24:10453
- KUEMMEL, Reiner Dynamics of current flow, 23:8543
  - Electronic structure of the intermediate state in Type-I superconductors, 25:14169
  - Excitation spectrum of a paramagnetic-superconducting contact, 24:21715
  - Tunneling into the energy bands of the intermediate state in Type-I superconductors, 25:30431
- KUENDIG, J. Pumps for nuclear plants, 25:37142
- KUENDIG, W. Laser method for absolute velocity calibration of Moessbauer spectrometers, 24:4478
  - Least square fit program, 24:4476
  - Moessbauer studies of after-effects of Auger ionization, 24:20842
- KUENHOLD, K. A. Proton polarization in ^{40}Ca(d,p$_0$)^{41}Ca, 24:52504
- KUENKEL, H. A. Build-up effect of highly energetic bremsstrahlung, 23:41324
  - Dependence of RBE of high energy bremsstrahlung on the depth in a phantom, 24:12325
  - Investigations on the mutagenic effect of nitroso compounds, 21:22380
  - Radiation-induced carcinogenesis, 24:34645
- KUENKEL, Hans A. Dependance of the biological effect on radiation frequency, 22:51758
  - Free amino acids in liver and blood plasma following irradiation of liver, 24:601
  - Irradiation of dry seeds of Vicia faba with 3 GeV photons, 22:40960
  - Irradiation of root tip cells of Vicia with 3-GeV photons, 22:49642
  - Radiobiologic studies on mice exposed to high-energy bremsstrahlung of 3 GeV, 24:23361
  - Radiobiological investigations with Cr-labeled erythrocytes. IV, 21:3442
  - Theories and experiments in biological chemical radiation protection, 25:46894
- KUENKEL, Hans Adam Radioprotective effect of erythropoietin, 21:45755
- KUENNING, R. W. Analysis of flux reversal in tape cores, , 23:25738 (UCRL-71552)
  - Pulse properties of large 50-50 Ni—Fe tape cores, 23:32487 (UCRL-71514)
  - Pulser for accelerator cathode, 21:44473 (UCID-15156)
- KUENNING, Robert W. Pulse properties of large 50—50 NiFe tape cores, 25:1676
- KUENSTLE, Konrad Thermal power stations and ecology, 25:51021
- KUENSTLER, Lucylla Changes in face and head after x-ray radiation in children, 23:29879
- KUENTZLER, R. Low-temperature specific heat measurements of semi-borides, 24:51828
  - Magnetization and specific heat of Fe—Be alloys, 23:30652
- KUENZEL, H. Changes of the magnetic field strength of sunspots during a given day, 22:17296
- KUENZI, H. U. Change of sign of Hall coefficient in liquid alloys, 25:27212
  - Electronic structure of liquid transition and rare-earth metals, 24:42110
  - Hall coefficient and electrical resistivity of liquid uranium, 24:45349
  - Hall coefficient, electrical resistivity, and magnetic susceptibility of liquid Ce, 24:24141
- KUENZL, R. Distribution of ^{137}Cs in cattle, 25:24018
- KUENZLER, E. J. Phosphorus turnover by coral reef animals, 23:18040 (CONF-670503-, pp 474-82)
- KUENZLER, Edward J. Aspects of phosphorus cycling in brackish waters, 25:54375 (ORO-3549-7)
  - Elimination of iodine, cobalt, iron, and zinc by marine zooplankton, 23:17902 (CONF-670503-, pp 462-73)
- KUENZLI, A. First industrial gamma irradiation plant on the European Continent, 21:19855
  - First industrial gamma-irradiation plant on European Continent, 22:16741
- KUEPER, K. Processing data in nuclear medicine with the aid of desk-top computers, 25:58065
- KUEPER, K. D. Computer program for the dynamic calculation of pressure over time duration in coupled volumes, 25:54886
  - Operational behaviour of nuclear stations with helium turbine, 23:45025
  - Performance of high-temperature reactor and helium turbine, 23:28366
  - Performance of high-temperature reactors with helium turbines, 23:37485
  - Schleswig—Holstein nuclear power plant, 23:28365
- KUEPFER, H. High-resolution Ge(Li) anti-Compton spectrometer for radiative neutron capture spectroscopy, 22:351
- KUEPPER, F. P. Plasma production and heating by laser radiation, 22:29526 (NP-17453)
  - Proposal for a nonlinear scattering experiment, 21:15117
- KUEPPERS, G. Mercier's criterion for class of MHD equilibria, 25:43206
  - MHD-stability of axisymmetric plasmas, 25:38474 (CONF-710607-85)
- KUEPPERS, Guenther The stability of steady finite amplitude convection in a rotating fluid layer, 24:51695 (IPP-6/86)
- KUERSCHNER, D. New automatic recorder for ionospheric drift measurements, 21:41919
- KUERZE, Edward Simple x-ray detection instruments for television service technicians, 24:39213 (BRH/DEP-70-14)
- KUERZEL, Robert Edward Control system, 21:5661
- KUERZINGER, K. Action of elastic nuclear collisions on infectious DNA of bacteriophage phiX 174, 23:20138
  - Multiple and plural scattering of fission fragments, 22:18170
  - Temperature dependence of radiation sensitivity in dry state, 24:6146
- KUERZINGER, Klaus Effects of slow protons on infectious DNA of bacteriophage PHIX174, 23:26691
  - Inactivation of bacteriophage, DNA, and ribonuclease by thermal hydrogen atoms, 23:31656
  - Metabolism and toxicity of therapeutic chelating agents. V, 23:20105
  - Metabolism and toxicity of therapeutic chelating agents. V, 23:50266 (AEC-tr-7089)
  - Radioinduced inactivation of ribonuclease at high temperatures and different dose rates, 22:45424
  - Temperature-dependence of radiosensitivity in the dry state. II, 25:42288
- KUESER, P. E. Prog. rpt. on development of magnetic electrical materials for high temperatures, 9/1/65-11/30/65, 21:28750 (N-67-13188)
  - Prog. rpt. on magnetic and electrical materials operating in range 800° to 1600°F, 12/65—2/66, 21:26747 (NASA-CR-54358)
  - Prog. rpt. on magnetic and electrical materials capable of operating the 800 to 1600°F range, 12/1/65—2/28/66, 22:652 (N-67-22066)
  - Prog. rpt. on magnetic electrical materials, 3—5/66, 21:34889 (NASA-CR-54359)
- KUESTER, E. Gamma-irradiation and heating effects on inactivation of Bacillus subtilis spores, 22:43488
  - Resistance of Bacillus subtilis spores to inactivation by gamma irradiation. I, 25:6817
  - Resistance of Bacillus subtilis spores to inactivation by gamma irradiation. II, 25:6818
- KUESTER, M. Long-lasting radioactivity at high altitude, Jan. 1967 to Dec. 1968, 24:20904
  - Radioactivity in air following Chinese nuclear weapons test, 23:24320
- KUESTERS, A. Calculation of large fast reactors, 22:9997 (EURFNR-416)
- KUESTERS, H. Analysis of fast critical assemblies and large fast power reactors with group-constant sets recently evaluated at Karlsruhe, 23:4337
  - Calculation of large fast reactors, 22:18508
  - Evaluation of fast critical experiments by use of recent methods and data, 24:22506
  - Fast neutron scattering models, slowing down and formation of reactor spectra, 25:18227 (EURFNR-864)
  - Group cross-section set KFK-SNEAK, 22:35627
  - Group cross-section set KFK-SNEAK: preparation and results, 22:6092 (EURFNR-397)
  - Improvement in second excursion calculations, 22:53389
  - Optimization problem in increasing the output of the FR-2, 21:30270
  - Reactor dynamics topics recently investigated at Karlsruhe, 23:13573 (KFK-786)
- KUETHE, Arnold M. Fluid mechanics of magnetically balanced arcs in cross-flows, 23:12620
  - Properties of magnetically balanced arcs, 23:48895
- KUETUEKCUEOGLU, A. Flow form, steam volume fraction, and pressure drop in two-phase flow of water-steam in tubes, 23:45461 (E!R-145)
  - Heat transfer measurements with superheated steam in tubes and concentric annular channels, 23:45462 (EIR-155)
  - Method of detecting the onset of subcooled boiling by means of a vibration transducer, 24:47984
- KUGA, Osamu Heat transfer in a circular tube when the heat flux varies along the tube axis, 21:6142
  - Turbulent heat conduction experiment in a pipe with an axial variation of the heat flux, 22:6175
- KUGAI, L. N. Chemical stability of diborides of transition metals, 25:54543
- KUGAJEVSKY, Irene Aromatic oxygenation with diisopropyl peroxydicarbonate—cupric chloride, 22:21066
- KUGE, Yasushi Effect of reactivity feedback on reactivity accidents in light water power reactor, 25:46284
  - EUREKA: a digital program for U-oxide fuel, water cooled, reactor kinetic analysis, 25:51138 (JAERI-13592)
  - Fast transient analysis for light water power reactor by EUREKA, 25:23311 (JAERI-1201)

KAK program for numerical solution of few-group neutron diffusion equations in two dimensions, 21:29830 (JAERI-1127)
Nuclear, thermal-hydraulic performance analysis of JPDR, 21:15655 (JAERI-1114)
Start up of Tsuruga Nuclear Power Station, 25:23137
KUGEL, H. W. Decay of ^{150}Eu(12.8 hr), 22:42082
Electromagnetic properties of first 2^+ states of even Hg isotopes, 24:52584
Half-life measurements and transition probabilities in ^{173}Yb, 23:44941
Half-lives of 4+ and 2+ rotational states in several rare-earth nuclei, 22:14045
Magnetic moment measurements of the 211.2 keV($^3/_2^-$) and 239.8 keV($^5/_2^-$) states of ^{195}Pt, 24:6897
Magnetic moments of core excited states of odd nuclei near A = 100, 24:49803
Measurements of 545 keV (6^+) rotational state of ^{154}Sm, 25:39001
Revised level scheme of ^{199}Hg following Coulomb excitation, 25:20387
Static and transient hyperfine magnetic fields at Ba isotopes recoiled in iron, 25:3686
Transient fields on recoil nuclei following Coulomb excitation, 24:49942
KUGELER, K. Energy requirement calculations considering the employ of nuclear reactors, 24:52785
Methane cracking by nuclear reactor heat, 24:25037
Possibility of ethylene production by nuclear heat, 25:39326 (JUL-704-RG)
Several problems of coal distillation with high temperature nuclear reactor heat, 23:11319 (JUL-554-RG)
KUGELER, Kurt Energy situation in Federal Republic of Germany and possibilities of future development, 23:45116 (JUL-576-RG)
Production of hydrogen from methane with the help of atomic reactor heat, 23:26218 (JUL-557-RG)
KUGELER, M. Energy requirement calculations considering the employ of nuclear reactors, 24:52785
Possibility of ethylene production by nuclear heat, 25:39326 (JUL-704-RG)
KUGELER, Manfred Energy prognosis for the Federal Republic of Germany from the viewpoint of introduction of nuclear heat for vaporization of fossil raw materials, 25:51213 (JUL-745-RG)
Energy situation in Federal Republic of Germany and possibilities of future development, 23:45116 (JUL-576-RG)
KUGLER, Alfred Exact expressions for the energy current and stress tensor operators in many-particle systems, 21:9687
KUGLER, Alfred A. Bounds for some equilibrium properties of an electron gas, 25:3232
KUGLER, E. Compression and containment of plasma in cusp geometry, 21:31388 (JUL-457-PP)
Delayed-proton emission from neutron-deficient isotopes of xenon and mercury, 25:28301 (CERN-70-30(Vol.1), pp 487-96)
Plasma confinement in cusp geometry, 23:44387
KUGLER, Erwin Discharge of a condenser battery, 23:6974 (SC-T-68-1551)
Production and inclusion of a dense and hot plasma in the spindle-cusp configuration, 25:25129 (JUL-708-PP)
KUGLER, G. Mass-spectrometric search for Ne and Ar isotopes in ternary fission of ^{235}U, 25:28419
KUGLER, H. Lifetime measurements of excited nuclear states in ^{72}Ga, 24:3906
Ultraviolet patterning in blossoms and its occurrence, 21:16530
Ultraviolet stigmata on blossoms, 21:14763
KUGLER, J. H. Investigation of lymphocyte production in guinea pig bone marrow, 21:418
KUGLER, K. Kinetics of normal and irradiated transitional epithelium in rat, 24:34667
KUGLER, M. Analyticity in momentum transfer and short-range interactions, 21:25352
anti BB reactions, duality and factorization, 24:35652
Duality and low energy parameters, 24:24348
Factorization constraints on the Veneziano model, 24:3640
Generalized duality for inclusive and exclusive reactions, 25:47894
High-energy consistency conditions and superconvergence sum rules, 21:42381
High-energy consistency conditions for partial-wave scattering amplitudes, 21:4129
Infinitely rising, nonlinear Regge trajectories, 22:44521
Regge poles, Argand diagrams, and resonances, 23:32850
Scaling and dilation invariance, 25:28057
Some remarks on the Quark model, 25:19978
KUGOT, A. S. Effect of a constant magnetic field on E. coli enzyme activity, 24:48399
KUGUSHEV, A. I. Dielectric permeability tensor of smoothly inhomogeneous electron plasma, 25:14291
KUGUSHEV, N. M. BN-600 fast reactor, 24:24795
KUHFELD, A. W. Intermediate-field radio frequency transition scheme for a source of polarized protons, 21:19302
KUHI, L. V. CV Serpentis has stopped eclipsing, 24:35026
Infrared stars, 21:13331
Spectrophotometric study of Delta Scuti and Delta Delphini, 21:37083
The effect of mass loss on a contracting star, 24:19573
KUHI, Leonard V. Detection of the galactic nucleus at one micron, 25:24824
Effective temperatures of A and B stars, 22:36633
Effective temperatures, gravities, and the mass determination of A and F stars, 24:35008
Photoelectric spectrum scanner observations of T Tauri stars, 25:24721
Wolf—Rayet stars. IV, 25:6953
Wolf—Rayet stars. III, 22:26121
KUHL, D. E. Brain scanning of children using body section techniques and pertechnetate-/sup 99m/Tc, 21:24523
Digital processing for modifying and rearranging rectilinear and section scan data, 23:33425
Sensitivity and resolution in radioisotope scanning, 23:33440
Sensitivity and resolution in radioisotope scanning, 23:48103
KUHL, David E. Characterizing brain lesions with use of transverse section scanning, 25:24255
Computer processing of images in nuclear medicine, 25:4336
Computer processing of images in nuclear medicine, 25:8727
Giant splenomegaly in sarcoidosis demonstrated by radionuclide scintiphotography, 25:29593
Mark III scanner: A compact device for multiple-view and section scanning of the brain, 24:46482
Prog. rpt. on new approaches to image formation in radioisotope scanning, 2/69—10/69, 24:4650 (NYO-3175-55)
Transverse section scans of the brain, 23:6520
Urinary particle dynamics and vesicoureteral reflux in the human, 24:32081
Use of /sup 99m/Tc-labeled S colloid to study particle dynamics in the urinary tract, 22:28330
KUHL, G. Sensitive profile and position monitor for electron and positron beams, 25:3497
KUHL, G. E. Dependence of the high-field flux-flow resistivity upon the sample demagnetization factor in type-II superconductors, 24:47153
Flux-flow resistivity and critical current density in type-II superconducting foils, 22:22097
Surface dependence of the critical pinning current density in type-II superconducting foils, 22:1110
KUHL, J. Hyperfine structure investigation of the Re-I spectrum with a digital-recording double Fabry—Perot spectrometer, 21:3664
Hyperfine-structure investigations in Tm I and Eu I spectrum, 25:16793
KUHL, O. A. Bonded encapsulated gamma source, 21:30645
Conceptual designs for Hawaiian irradiator and quarantine demonstration irradiators, 21:34404 (BNL-11512)
Mark II BNL standard Co radiation source, bonded type, 21:10544 (BNL-986)
Uniform gamma irradiation of bulk grain material, 22:10902
KUHLBORSCH, G. Physical properties of diphenyl, o-, m-, and p-terphenyl and their mixtures, 22:8113
KUHLENCORDT, F. Location of a parathyroid adenoma only after scintigraphy with ^{75}Se—methionine, 21:10919 (NP-tr-1490)
KUHLI, Ralph Health aspects of safety, 22:19335
KUHLMAN, Henry Albert New technique to measure short lifetimes, 24:47634
KUHLMAN, W. 1000 hour—2300°C thermocouple test No. 2, 24:4504 (GEMP-712)
Sequential decay in the reaction $^{14}N(\alpha,\alpha p)^{13}C(0)$ at E/sub α/ = 22.9 MeV, 21:25447
Thermocouple test, 23:35565
KUHLMAN, W. C. Fast breeder reactor thermocouple development, 23:6666 (GEMP-1004, pp 351-60)
Fast breeder reactor thermocouple development, 23:24853 (GEMP-1008, pp 253-73)
Fast breeder reactor thermocouple development (1414), 23:30140 (GEMP-1010, pp 260-90)
Fast breeder reactor thermocouple development, 24:967 (GEMP-1012(Pt.2), pp 253-309)
Fast breeder reactor thermocouple development, 24:14893 (GEMP-1013, pp 339-78)
High-temperature thermocouple and electrical materials research, 21:9139 (GEMP-61, pp 171-6)
High-temperature thermocouple and electrical materials research, 22:15144 (GEMP-1002, pp 137-42)
Thermocouple stability tests, 24:25323 (GEMP-738)
KUHLMANN, E. 4433 and 6450 keV states in ^{21}Ne, 25:34054
Decay energy of $^{183}Re \rightarrow {}^{183}W$, 23:23722
States 3576 and 3616 keV in ^{18}Ne, 24:6832
Study on low-lying states of ^{21}Na, 23:25894
KUHLMANN, Hans-Heinz Investigations on the residual resistivity of tungsten with varying carbon content, 22:19541
KUHLMANN, P. E. Electromagnetic proton form factors at squared four-momentum transfers between 1 and 3 $(GeV/c)^2$, 25:1366 (DESY-70/42)
Inelastic electron—proton scattering in the region of the Δ (1236) resonance, 25:43527 (DESY-71/21)
KUHLMANN, Ugine Process for decontaminating liquid radioactive effluents containing radium, 25:2340
KUHLMANN, W. Analog-division stage for use with position-sensitive detectors, 25:8471 (JUL-CONF-4, pp 11-21)
Automatic beam-emittance-measuring device for JULIC, 24:28670
Emittance measurements at Juelich isochronous cyclotron, 25:31119
Tables of Q values for three-particle reactions on nuclei ^{2}H to ^{40}Ca, 22:24888 (BMwF-FBK-67-91)
KUHLMANN, W. R. Magnetic field probe, 24:33967
Position-sensitive counters, 22:36023 (ANL-Trans-621)
Probe for precise magnetic field measurements, 25:2512
Pulse division circuit for position-sensitive detectors, 21:39176 (BMwF-FBK-67-61)
Pulse division circuit for use with position-sensitive detectors, 22:37972 (ANL-Trans-623)
Pulse division circuit, 22:36024 (ANL-Trans-622)
Sequential decay in reactions $^{14}N(\alpha,\alpha p)^{13}C$ and $^{14}N(\alpha,\alpha d)^{12}C$ at E/sub α/ = 22.9 MeV, 23:28256
Study of three-particle decompositions $^{14}N(\alpha,\alpha p)^{13}C$ and $^{14}N(\alpha,\alpha d)^{12}C$ at primary energy E/sub α/ = 22.89 MeV, 22:46716 (BMwF-FBK-68-06)
KUHLMANN-WILSDORF, D. Unified theory of stages II and III of workhardening in pure fcc metal crystals, 21:36831 (ORO-3108-23)
KUHLOW, William Walter Afterglow behavior of lines of He^+ by high-resolution interferometry, 25:47330
KUHLTHAU, A. R. Determination of the gravitational constant, 23:46824
KUHN, A. T. Hydrogen- and deuterium-evolution reactions on gold in acid solutions, 25:26231
KUHN, Anne Decorporation of radionuclides, 23:29339
KUHN, C. W. Resistance to mosaic virus in gamma irradiated tobacco leaves, 22:52027
KUHN, D. Investigation on charge 2 of fast thermal Argonaut reactor STARK, 22:1859 (KFK-592)
Investigations on loads 3 and 4 of STARK, the fast thermal argonaut reactor, 22:22829 (EURFNR-424)
Loadings (3 and 4) of the fast-thermal Argonaut reactor STARK, 22:16287 (KFK-668)
Resonance peaks simulated by final-state effects, 23:49158
Studies at charge 2 of the fast thermal Argonaut reactor STARK, 22:16296 (EURFNR-352)
KUHN, D. W. Uranium feed and separative work requirements for nuclear power plants, 25:34376
KUHN, Dietmar Investigations on the cavitation threshold of water by fast neutrons, 23:19898
KUHN, Donald W. Changing patterns in the use of nuclear material, 22:606 (CONF-661011, pp 8-10)
KUHN, E. Absorption spectra of Pu(III), Pu(IV), Pu(VI), U(IV), and U(VI) in nitric acid and tri-n-butyl phosphate—n-alkane solutions and their use in automatic process control, 25:23583 (KFK-1306)
Distribution characteristics of Pu(IV) and U(VI) and their mathematical determination in metal nitrate—nitric acid and tributyl phosphate systems, 22:14559 (KFK-671)
Distribution data for Pu(IV) and U(VI) and their calculation, in tributyl phosphate and metal nitrate/nitric acid system, 22:33484 (EURFNR-463)
Distribution measurements for testing new devices of insecticide and fungicide spreading, 22:6747
Simultaneous determination of Pu(IV) and nitric acid, 25:18350
Uranium/plutonium/thorium monitor for in-line measurements, 25:39420
KUHN, Endre Two-field telecobalt irradiation of the lymph area of cancer of the uterine cervix, 25:21793
KUHN, Erwin Determination of free acid in Pu, U, and Th solutions, 24:16409 (AEC-tr-7141)
Determination of free acids in Pu, U, and Th solutions, 23:28709
KUHN, G. Influence of extended defects on superconducting properties of niobium, 22:26327
KUHN, G. D. Effects of storage temperatures and irradiation on the quality of Florida-90 strawberries, 21:28706
Irradiation inactivation of brown rot infections on peaches, 23:3008
Organoleptic quality of irradiated peaches, 22:52118
KUHN, H. Design of ISR inflector, 23:28109
KUHN, H. G. Atomic spectra, 24:17638
Atomic spectra, 24:39836
Isotope shifts and hyperfine structure in the atomic spectrum of platinum, 25:41819
Isotope shifts in medium-heavy elements, 21:12040
KUHN, Harold W. Combinatorial approach to N-representability of p-density matrices, 23:30674
KUHN, Horst Preparation for smelting of metals and compounds with high melting points, 22:35978
KUHN, Joseph B. Heat treatment of copper—beryllium alloys, 22:2603
KUHN, L. Low level measurement with surface barrier detectors, 23:622
Measurements of lowest activities with semiconductor detectors, 22:37981 (CONF-670545-, pp 81-7)
KUHN, Lawrence Experimental and theoretical study of wave mixing in bounded magnetoplasma, 23:27655 (AD-681121)
Wave mixing in a bounded magnetoplasma, 23:1477
KUHN, Siegbert Mathematical formalism for plasma equilibria in arbitrary geometries, 23:34444 (AD-684544)
Stability of high-frequency oscillations in arbitrary plasma configurations, 24:28306 (AD-701401)
KUHN, Thomas S. Sources for history of quantum physics, 22:15655
KUHN, W. Method for calculating the dose of incorporated beta-emitters in approximately symmetrical microranges, 22:38312
KUHNELT, H. Induced pseudoscalar form factor in muon capture, 22:5898
KUHNLE, G. Anisotropy of secondary electron yield as function of energy of primary electrons, 24:42504
KUHNS, Helen F. Bibliography on nuclear energy for water desalting, 21:32036 (TID-3584(Rev.1))
KUHNS, James G. Laser injury in skin, 22:567
KUHNS, Perry W. Ion and electron densities of electron-bombardment ion-thrustor beam, 21:7190 (NASA-TN-D-3761)
KUHRT, Friedrich Hall generators, 24:19711
KUHRT, W. Hydrofluorination of U/Th oxides and carbides with coating of pyrocarbon/ silicon carbide/pyrocarbon, 25:23695
Separation of MoF_6 and UF_6 by sorption on NaF, 25:23696
Separation of UF_6 from a fluorine containing carrier gas, 25:245
KUHRT, Wesley A. Future space propulsion systems, 24:18745
KUHRY, J. G. Chemical behavior of hot atoms of ^{14}C and ^{13}N in several solid inorganic compounds. II, 25:13072
Chemical behavior of hot atoms of ^{14}C and ^{13}N in several solid inorganic compounds. I, 25:13070
KUHRY, J.-C. Chemical forms of ^{14}C produced by the reaction $^{14}N(n,p)^{14}C$ in metallic nitrides, 23:4646
KUHRY, J.-G. Chemical forms of ^{14}C produced by reaction $^{14}N(n,p)^{14}C$ in beryllium, magnesium, calcium, aluminum, and zirconium nitrides, 22:4183
Chemical forms of radiocarbon produced by reaction $^{14}N(n,p)^{14}C$ in Be, Mg, Ca, Al, and Zr nitrides, 23:21729 (NP-tr-1746)

KUHRY, Jean George Preparing compounds labelled with ^{14}C, 24:27004
KUHRY, Jean Georges Chemical forms of ^{13}N produced by ^{14}N(n,2n) reaction, 24:256
KUHRY, Jean-Georges Chemical behavior of ^{14}C and ^{13}N hot atoms in nitrides and cyanides, 24:18986 (NP-18126)
  Chemical transformations of KCN induced by ^{14}N(n,p)^{14}C reaction, 22:45100
KUHRY-GERLING, M-L. Study of isotropy in $\pi^+\mu^+$ decay for stopping π^+, 22:3251
KUHWEIDE, U. Counting ^{3}H-, ^{14}C, and ^{32}P-radioactivity in aqueous solution, 23:624
KUIBIDA, R. P. Linear proton accelerator I-2. III, 22:32403
KUICH, G. Intensity changes by coherent extinction in the scattering of neutrons on single crystals, 21:25413
KUIJPER, P. Plural neutron scattering correction, 24:13261
KUIJPERS, F. A. Reversible room-temperature absorption of large quantities of hydrogen by intermetallic compounds, 24:29972
KUIKEN, H. K. Magnetohydrodynamic free convection in a strong cross field, 24:12681
KUIKEN, R. Fission of oriented nuclei by low energy neutrons, 25:56749 (RCN-142)
KUILA, R. K. Induction of mutation in Streptococcus diacetilactis by nitrosoguanidine and ultraviolet irradiation, 25:27121
KUIN, P. N. Determination of nitrogen and boron in siliconcarbide proton activation analysis, 22:27585
KUIPER, B. Bare kicker magnet of CPS fast ejection system, 22:11785
  Characteristics of electrical breakdown along particle trajectories in a wide gap spark chamber, 22:14845
  Multishot and multichannel fast ejection, 23:28001
  Operational experience with the CPS fast ejection system, 21:29785
  Pulse generators for delay line deflectors, 21:28329
  Some properties of the track-following spark chamber, 21:16109 (CONF-660918-, pp 71)
  Stationary delay line magnets using field concentration, 22:11782
KUIPER, D. Primary amine extraction of tartaric- and malonic acid and their rare earth complexes, 24:9478
  Resisence-time distributions in laminar flows and during the passage of granular solids through rotary kilns, 22:14715
KUIPER, Dirk Primary amine extraction of the rare-earth elements from aqueous organic acid solutions, 25:220 (NP-18479)
KUIPER, Donald H. Ashing technique as a more precise method for the radioassay of ^{51}Cr in feces, 25:4032
KUIPER, Hajo Polarization measurement in polarized targets by the internal field, 24:26549
KUIPER, J. P. Interaction of some metal ions with the uterus of the guinea pig, 22:25724
KUIPER, Ralph A. Interferometric study of the nonequilibrium shock reflection process and thermal layer in ionizing argon, 23:20902 (N-68-37052)
KUISK, Hans Colloidal Th dioxide (Thorotrast) in radiology with emphasis on hepatic cancerogenesis, 21:20355
KUJAK, Richard Thyroid uptake of radioactive iodine. A reevaluation, 25:19051
KUJAL, B. Calculations for local burn-up in heavy water reactor lattice, 21:25636 (UJV-1704)
  Calculations of fuel burn-up in heavy-water reactor considering changes in thermal and epithermal neutron spectra, 23:11186 (UJV-2027)
  Calculations of fuel burnup in heavy water reactors, 21:23621 (UJV-1736)
  Correlation of FPV-3 program and problems of burn up in reactor A2, 23:26050 (UJV-2140-R)
  Fuel burn-up predictions in thermal reactors in Czechoslovakia, 22:22731
  Method of determination of CANDU type power station parameters and economic optimization, 24:43778 (UJV-2413-RT)
  Optimization of main parameters of fuel assembly for A2 reactor, 24:20477 (UJV-2046-R)
  RECAL program, 25:23298 (UJV-2412.R,T.)
KUJAL, Bohumir Calculation of fuel burnup in heavy water reactors, 22:44866
KUJAL, J. Calculations for local burn-up in heavy water reactor lattice, 21:25636 (UJV-1704)
  Distribution of thermal neutrons in active zone of fuel elements, 24:31043 (UJV-2352-R,T)
  Method of determination of CANDU type power station parameters and economic optimization, 24:43778 (UJV-2413-RT)
  RECAL program, 25:23298 (UJV-2412.R,T.)
KUJAL, Josef Calculation of fuel burnup in heavy water reactors, 22:44866
  Contribution to the design parameters of power station with reactor DOR, 21:34126
KUJALA, Norman F. Radioisotope measurements of viscera of Pacific salmon, 23:17900 (CONF-670503-, pp 440-9)
KUJAWA, R. Photometric determination of very small amounts of I, 23:21650
KUJAWSKA, J. Effect of irradiation therapy on circulating blood in patients with lung carcinoma, 25:52241
KUJAWSKA, Janina Correlation between radiological pattern of bronchial carcinoma and size of tumor after irradiation, 23:50798
  Esophageal dose estimations in rotation radiotherapy, 24:19247
KUJAWSKI, Adam Relativistic statistical mechanics and blackbody radiation, 21:18844
KUJAWSKI, E. Additivity of phase shifts for scattering in one dimension, 25:56576
  Coupled-channel formulation for high-energy inelastic nuclear scattering, 25:39113
  Dispersive effects in elastic electron scattering by vibrational nuclei, 24:38375
  Dispersive effects in high-energy elastic electron—nucleus scattering and nuclear correlations, 25:50818
  High-energy optical potential and nuclear correlations, 24:38092
  Projection of angular momentum and the generator coordinate method for light nuclei, 25:15196
  Spin effects in the scattering of protons from light nuclei and possible test for the existence of Regge cuts, 22:44456
  Statistical theory of polarized nuclear reactions, 22:42129
KUJIME, Akira Inverted V segregation in killed steel ingots, 24:32452
KUJIRAI, Osamu Components of retention in the pulverized solid recoil system, 25:23637
KUJOVIC, B. Serum protein fractions in chronically x-irradiated rats, 21:8927
KUKACKA, L. Development of concrete-polymer materials, 23:39068 (BNL-13732)
KUKACKA, L. E. Concrete—polymer composites for underwater applications, 24:12493 (BNL-14267)
  Concrete-polymer composite materials, 24:39734 (PRNC-135, pp 152-5)
  Concrete-polymer materials, 23:16552 (BNL-50134)
  Concrete-polymer materials and polymer-concrete composites, 24:31425
  Concrete-polymer materials development, 24:46287
  Concrete-polymer materials. Second topical report, 24:39730 (BNL-50218)
  Development of concrete-polymer materials and composites, 25:4838
  Gamma-induced polymerization of ethylene, 21:25923
  Preliminary cost estimate for the radiation-induced plastic impregnation of concrete, 24:42298 (BNL-11263)
  Preparation and characteristics of concrete-polymer composites, 24:16547 (BNL-14350)
  Prog. rpt. on ethylene polymerization flow experiment, 10/66, 21:3084 (BNL-10730)
  Radiation facility for use with hazardous chemical systems, 21:40879 (BNL-11550)
  Radiation facility for use with hazardous chemical systems, 22:4396
  Radiation-induced ethylene polymerization program, 23:26280
  Use of gamma radiation to initiate polymerization reactions, 22:23033 (BNL-12334)
KUKACKA, R. Analysis of occupational diseases due to ionizing radiation in the health institutions of the North-Moravian region, 25:29711
  Exposure to radiation during catheterization of heart, 24:17049
  Investigation of ionizing radiation exposure from cathetrization of the heart, 25:11059
  Output of x-ray machines used in Czechoslovakia, 24:17048
KUKANOV, A. B. Calculation of Cherenkov losses by extended charge systems, 22:39216
  Effects of electric and magnetic dipole moments on Vavilov—Cherenkov radiation in a gyrotropic medium, 25:33485
  Loss of energy of charged particles by Vavilov—Cherenkov radiation, 25:7504
  Polarization of recoil Dirac particle in Compton scattering of polarized photons, 23:32678
  Quantum theory of Vavilov—Cherenkov radiation, 24:30415
  Radiation from an electric charge moving along a spiral path in a transparent medium, 25:56462
  Scattering of polarized photons by free magnetic moment, 21:42317
  Theory of Compton effect on magnetic moment, 22:22364
  Theory of Compton scattering of eliptically polarized photons by a particle of 1/2 spin, 22:26610
  Theory of Compton scattering of polarized photons on polarized particles with spin $^1/_2$, 23:18843
  Theory of Vavilov—Cherenkov radiation due to magnetic monopole, 22:50055
  Vavilov—Cherenkov polarization by electrons in transparent uniaxial crystal, 24:24306
KUKARKIN, B. V. Close binary stars in globular and old open clusters, 25:40180
  Concentration classes of globular clusters, 25:45193
  Galaxies with frequent supernova explosions, 22:43800
  Pulsating stars, 24:44872
KUKAVADZE, G. M. Adsorption and desorption of residual gases on a tungsten surface in a strong electric field, 25:58246
  Atomic configurations of dispersion clusters of neutron-irradiated tungsten monocrystals, 24:14819
  Defects in tungsten single crystals due to α-particle bombardment, 24:24115
  Field-ion microscopy of radiation damages in single tungsten crystal irradiated by 12 MeV energy deuterons, 23:14373
  Investigation of radiation effects of monocrystals with ionic projector, 24:10128
  Mass-spectrometric measurements of the diminution of hydrogen in polyethylene targets which have been irradiated in a proton synchrotron, 25:29400
  Measurement of reactor absorption cross section of isotopes ^{154}Gd and ^{156}Gd, 21:30019
  Measurement of total neutron cross sections of the isotope ^{230}Th in the 0.02 to 50 eV energy range, 21:7815
  Observation of shifted atoms and their complexes in irradiated metallic specimens, 24:12446
  Threshold Cherenkov counter for recording of uv part of the spectrum, 23:2653
  Total neutron cross section of ^{230}Th at thermal energy region, 22:37342 (ITEF-546)
  Total neutron cross section of ^{230}Th in energy region up to 600 eV, 23:44922
KUKHAEV, A. I. Efficiency and interference of rotating compensating cylinders and absorption rods in uranium—water lattices, 21:30272
  Review of calculation methods of the efficiency of control rods and correlation of calculated and experimental data, 21:30274
  Rotating shim cylinders in reflector of U—H_2O cores, 24:5520
KUKHARENKO, N. K. Determination of the porosity of limestone formations from the master curves of neutron—gamma logging, 24:9505
KUKHARENKO, Yu. A. Changes in leukocyte count in peripheral blood of patients suffering from chronic myeloleukosis, 24:2827
  Efficiency of the exciton mechanism of superconductivity in lamellar compounds with molecules, 25:45399
KUKHARSKII, A. A. Distribution of phosphorus in layered Si structures, 25:7447
KUKHLENKO, A. C. Scattering of 14-MeV neutrons by Fe, 25:56707
KUKHLENKO, A. S. Pulsed neutron source, 25:31178
KUKHTENKO, A. N. Maintaining equilibrium in the uncased TO-1 Tokamak device by means of a feedback system, 25:38467 (CONF-710607-72)
KUKHTEVICH, I. V. Secondary γ-radiation in shielding, 25:56277
KUKHTEVICH, V. I. Albedo of neutrons, 23:46538
  Angular distributions of fast neutrons for hydrogenous media, 21:23241
  Azimuthal function of angular distribution of fast neutron behind thin iron shielding in oblique radiation incidence, 23:46534
  Configuration of scattered neutron field behind polyethylene shielding, 23:46536
  Dependence of fast neutron buildup factor on detector and shield position, 21:21004
  Directional wide-range neutron counter, 21:45396
  Double summation scheme in a scintillation neutron spectrometer with γ background discrimination by the luminescence time, 22:2409
  Energy distribution and dose rate of gamma quanta scattered at the air—earth interface, 21:21048
  Influence of splitting of shield on buildup factor, 22:34737
  Measurement of angular and energy distribution of neutrons recoiled from different media, 21:41218
  Measurement of fast neutron dose albedo for various barriers, 21:17542
  Measurement of fast-neutron spectra using a single-crystal scintillation spectrometer with a stilbene crystal, 21:327
  Measurement of reactor neutron energy distribution to approximately 20 MeV, 22:7619
  Neutron scintillation spectrometer with gamma background discrimination circuit, 21:326
  Penetration of fast neutrons through thick lithium hydride sheets, 21:23242
  Physical investigation of reactor shielding, 22:33122
  Physical research into reactor safety, 21:30232
  Physics of reactor shielding, 23:33045 (AEC-tr-6879)
  Propagation of thermal neutrons close to source in unbounded atmosphere, 21:21402
  Protection from penetrating radiation of a nuclear explosion, 25:42034 (JPRS-53498)
  Reconstruction of a fast neutron reactor spectrum from threshold detector data, 24:50210
  Reconstruction of a fast neutron reactor spectrum from threshold detector data, 25:23403
  Shielding against ionizing radiation from nuclear explosions, 25:15863
  Spatial distribution of dose rate from point source of neutrons in atmosphere, 21:21403
  Spatial, energy, and angular distributions of neutrons in lithium, 25:3538
  Spectra of air-scattered neutrons from Po—Be alpha source surrounded by iron shielding, 21:21047
  Tissue dosage from a point source of fission neutrons in air, 24:41881
  Total cross sections of fast neutrons, 24:43105
KUKHTIN, V. V. Current divergences, 21:7479 (JINR-E2-3039)
  Current divergencies, 22:17882
  Decays of 2^+ mesons and SU(6) symmetry, 22:39457 (ITF-68-12)
  Decays of 2^+ mesons, and SU(6)-symmetry, 24:33035
  Description of reaction $\pi^-p \rightarrow$ NKanti K with generalized Veneziano model, 25:50138 (JINR-P2-5961)
  Divergence of currents, 22:32099
  Dual resonances models. I, 25:9887 (ITF-70-43)
  Electromagnetic properties of hadrons in partial symmetry, 21:46572 (JINR-P2-3478)
  Electromagnetic properties of hadrons in a partial symmetry, 23:3679
  Existence of some baryon and meson unitary multiplets, 21:25337
  Inelastic hadron scattering, 24:24385
  Inelastic hadron scattering in the quark model factorizability hypotheses, 23:42671 (ITF-69-28)
  Inelastic meson—baryon reactions in generalized Veneziano model, 25:3378 (ITF-70-77)
  Mixing in 189- and 405-plet of SU(6), 21:33755
  O^+ mesons in the 189- and 405-plets of SU(6), 21:33746
  Representations 189 and 405 of SU(6) and the classification of 2^+, 1^+, and 0^+ meson resonances, 21:17160
  Theory of relativistic SL(6,C) symmetry, 21:4067 (JINR-E2-2951)
  Towards a unitary phenomenological amplitude of strong interaction, 23:39686 (ITF-69-37)
KUKHTIN, Valerii Vasil'evich Renormalization of axial-vector current, 22:13752 (ITF-67-19)
KUKHTINA, I. N. Automatic scanner based on an electron-beam tube, 23:33531
  Calculation of direct nuclear reactions by the distorted wave method, 21:2775

Calculations of ground state characteristics of ^{4}He nucleus, 22:44752 (JINR-E4-3927)
Dependence of the ground state energy and quadrupole moment on deformation for heavy nuclei, 21:5563 (JINR-E4-2940)
KUKHTO, O. L. Apparatus for studying the dynamics of condensed systems using a back-scattering method, 25:29362
Device for the monochromatizing of slow neutrons, 25:53503
Scattering of cold neutrons by polycrystalline Ba, Sr, and Pb titanates, 21:13360
KUKI, Hidekatsu Effects of Ce, Y, Al, and Zr on 25Cr—20Ni stainless steel, 23:14350
KUKICH, G. Decay of superfluid persistent currents, 22:38990
KUKICH, George Decay of persistent currents of superfluid helium, 25:17058
KUKIEL, E. Can nuclear processes be stimulated by electronic structure of macromolecules, 24:22225
Disintegration of nitrogen nuclei in an emulsion by deuterons derived from the hepatic and neoplastic tissue of the guerin epithelioma-bearing rat, 23:45791
Fission of natural uranium in neoplastic and normal tissue, 25:13361
Natural Th and U in kidney, 23:29321
Nuclear phenomena recorded in biological material, 23:35586
Nuclear processes do occur in living tissue, 22:28509
Nuclear processes stimulated by biological materials, 24:44616
Nuclear reactions produced by neutrons of the liver of rat after oral beryllium administration, 23:45914
Occurrence of neutrons in kidney, 23:24620
Occurrence of neutrons in liver of rat with implanted Guerin epithelioma, 23:45913
Recoil protons in liver and kidneys, 23:45937
KUKIEL, Ewa Fission of natural uranium in tumor and normal tissue, 23:29488
KUKIN, I. K. Experimental investigation of laminar MHD flow of incompressible fluid in diffusor, 22:41433
KUKIN, L. M. Measurements of solar radio emission at millimeter and submillimeter wavelengths, 22:36578
KUKIN, P. P. Chemical reactions of hot hydrogen atoms with methanol and the benzene—methanol system, 23:17471
Inhibition of the process of energy transfer in reactions of hot atoms and radiolysis of aromatic systems, 24:38962
KUKISHEVA, T. N. Photometric determination of fluorine in U_3O_8 and UO_2, 25:37301
KUKITA, Yasuko Effects of x irradiation on transplanted scale in goldfish, 23:41448
KUKLA, Cassimer M. Periodic integrating device for measurement of rapidly varying count rates, 21:28330
KUKLA, D. Neutron guides: a report on the present state of development, 22:10066 (AERE-Trans-1074)
KUKLIK, A. Beta-spectrograph of Institute of Nuclear Research of Czechoslovakian Academy of Sciences, 22:47367
Stabilizer of the magnetic field of beta spectrometers, 22:6624
KUKLIK, Ales Magnetic beta-ray spectrometer with double focusing, 21:14449
KUKLIK, B. Analysis of the control circuit of the A 1 nuclear power plant, 23:40287
KUKLIN, G. V. Determined-probabilistic learning information system for solar activity forecasting, 22:52323
Distribution of large-scale magnetic fields on sun, 23:22847
Electrical field in solar atmosphere caused by pressure gradient, 21:28935
Quantitative estimations of the anomalous plasma diffusion in an active region, 23:36376
Run of the difference of the maximal magnetic field strength of opposite polarities in sunspot groups before and after proton flares, 25:30185
Sunspot activity in dependence on phase of 11-year cycle, 23:25092
Sunspots and magnetic field of active regions, 23:36387
Supergranular pattern and the stable stages of sunspot groups, 23:36381
KUKLIN, R. N. Magnetic moment of "heated" nucleus, 22:14091
Mean radiative widths of "heated" nuclei, 22:32679
Partial widths of radiative transitions in heated nuclei, 22:5899
KUKLIN, Yu. S. Effects of current density of T^+ ions on distribution of activity in products from reaction of tritium with benzene, 24:19038
Effects of T^+ ion energy on yield of labelled products from solid state benzene irradiation, 21:36021
Intermolecular energy migration during irradiation of alkyl benzenes by accelerated T^+ ions, 21:36069
Isotope effects in reactions of benzene with tritium ions, 23:35108
Kinetics of concentration of labeled mother substances during irradiation of organic compounds by ion fluxes, 24:38948
Reactions of atomic and molecular accelerated tritium ions with frozen benzene, 23:6178
KUKLINSKI, G. B. Plutonium for recovery from scrap, 24:427
Plutonium for recovery from scrap at Atlantic Richfield Hanford Co, 23:28939 (ARH-SA-26)
KUKOC, A. Determination of impurities in GeO_2 by activation analysis, 23:47416
Determination of microcomponents in polyethylene and teflon, 24:4248
E0 admixture determination by gamma—gamma directional correlation measurements, 24:40679
Radiative capture of neutrons by the 6.24, 15.5, and 29.7 eV resonances in ^{121}Sb and the 21.6 eV resonance in ^{123}Sb, 24:6899
KUKOC, A. H. Coincidence study of decay of ^{144}Pm, 23:7312
Conversion electron—gamma directional correlation measurements on ^{195}Pt, 22:44747
Decay of /sup 102 102m/Rh, 24:52590
Decay of /sup 184g/Re and /sup 184m/Re, 24:28798
Evidence against 1580-keV level in ^{134}Ba, 23:42929
Gamma radiation from the decay of ^{94}Nb, 25:5718
Measurement of directional correlation of 1038-605 keV gamma cascade in ^{134}Ba, 24:8918
States of ^{116}In, 25:15008
Study of decay of 17.9-day ^{74}As, 22:44687
Study of gamma rays emitted by ^{97}Nb, 23:25932
Summing effect correction of correlation coefficients, 23:21959
KUKOLEVA, T. V. Plasma diagnostics, 23:46458
KUKOLEWSKA-MACHNICKA, Jadwiga Post-irradiation changes in lungs after radiotherapy, 21:20266
KUKOLICH, Stephen G. Deuterium quadrupole coupling in formic acid, 23:35094
Measurement of molecular g values in H_2O and D_2O and hyperfine structure in H_2O, 23:28855
KUKOMA, Yu. P. Application of injection of neutral gases for protection of electrodes of MHD apparatuses, 23:51424
KUKONIN, V. E. Determination of temperature pulsations in cross section of plasma jets, 23:20893
Photoelectronic attachment for measuring plasma temperature, 22:36891
KUKOTA, Yu. P. Effect of inblowing of protective gases in MHD device, 24:28142
KUKRAL, H. Molybdenum-disk-to-glass seal, 25:19188
KUKREJA, V. P. Separation of tellurium and selenium, 24:5595
KUKS, I. M. Direct method of determining the sensitivity of microcrystals to charge particles, 23:43511 (AD-685999)
Effect of electrons with an energy of 50 to 1200 eV on AgBr microcrystals in nuclear emulsions, 23:33582
Measuring ^{238}U fission cross section for 2.5 MeV neutrons, 25:34113
KUKSA, Yu. G. Liquid metal oscillation with consideration of magnetic viscosity, 22:41429
Radial oscillations of a conducting cylinder under the influence of a magnetic field, 21:35066
Ultrasonic vibrations of a horizontal cylinder in crossed electric and magnetic fields, 25:45352
KUKSENKO, B. V. Oscillations and breakup of diatomic molecules during atom—molecule collisions, 23:41959
Theory of vibrational relaxation of diatomic molecules, 23:51662
KUKSENKO, V. S. Changes in infrared spectra during ionization aging of polymer films, 24:18982 (AD-698524)
KUKSINA, V. N. Determination of deuterium oxide in tissue by means of infra-red spectra, 23:2755
KUKSOVA, M. I. Remote aftereffects in irradiated monkeys, 22:21609
KUKUCHEV, D. Some roentgenologic changes of the skeleton in diabetic patients, 22:33862
KUKULA, F. Activation analysis of trace impurities in SiO_2 and Si_3N_4, 25:4045
Apparatus for automatic extractive radiometric titration, 21:19559
Application of group substoichiometric separation of gold, mercuric, and cupric diethyldithiocarbamates to determining them by activation, 24:31261
Determination of mercury by activation analysis, 22:25317
Determination of some impurities in gallium by neutron activation, 22:42614
Determination of Tl and Pt by activation analysis, 23:4547
Determination of trace impurities in germanium by activation analysis, 24:25021
Extractive radiometric titration as method of checking extraction of gold, 23:40576
Methods for production of carrier-free ^{52}Mn and ^{54}Mn, 21:21975
Substoichiometric determination of Mn in the reagents and in the target material in ^{52}Mn production by activation analysis, 21:21869
Substoichiometric determination of platinum by activation analysis, 22:14454
Use of diethyl dithiocarbamates for activation analysis with substoichiometric silver separation, 25:12963
KUKULA, Frantisek Use of thenoyltrifluoroacetone for the determination of manganese by activation analysis, 21:12343
KUKULIN, V. I. Dipole photoabsorption in ^{9}Be, 22:50546
Dipole photodisintegration of ^{9}Be, 23:19161 (UJV-2092-F)
Microscopically substantiated local optical potential for α—α-scattering, 25:53521
Mutual scattering of clusters, 25:20511
Photodisintegration of ^{9}Be, 23:30941
Shell interpretation of the separable interactions between lightest nuclei, 25:43786
Structure of giant dipole resonance of ^{9}Be nucleus, 23:21238 (ZFK-130, pp 190-3)
Wave functions for mixed configurations and the Racah algebra of SU(4), 22:1724
KUKULIN, V. J. Wave functions for mixed configurations and Racah algebra of SU(4) group, 21:35504 (UJV-1834)
KUKULYANSKAYA, M. F. Activity of hexokinase in the brain and muscle of mice during fractionated x irradiation at a dose of 760 r, 22:49265
Radiation-induced change of enzyme activity during blocking of the adrenal cortex, 25:57929
KUKUSHKIN, A. V. Phase fluctuations of the signal of a travelling wave tube generator with superconducting resonator, 25:11853
KUKUSHKIN, Yu. N. Determination of Ru by atomic absorption, 23:45202
Interaction of uranyl nitrate with dimedon and 1,3-indandione, 22:10228
Investigation of cis- and trans-effect in platinum coordinated compounds by the isotopic exchange method, 23:174
Isotope exchange of bromine in some bromamminates of tetravalent platinum, 22:30574
Isotopic exchange of bromine in $[Pt(DMSO)Br_3]^-$ ions, 24:196
KUKUSHKINA, R. S. Auroral zone and radio wave propagation at high latitudes, 24:6452
KUKUSHKINA, V. A. Effect of neutron irradiation on tissue metabolism processes, 21:4766
KUKUSHKINA, V. P. Determined-probabilistic learning information system for solar activity forecasting, 22:52323
KULAEVA, O. N. Effects of cytoquinine on leaves of Nicotinia rustica exposed to x radiation, 25:21966
KULAGIN, A. G. Measurements of radiation effects of thermonuclear burst Starfish, 23:30398 (JPRS-47897)
KULAGIN, D. I. Space—time variations in radioactivity for surface layers of air in Tashkent, 25:41939
KULAGIN, E. S. Measurements of Capella, 25:6939
KULAGIN, I. D. Investigation of the energy balance of a plasmatron with opposite jets, 22:9386
KULAGINA, O. E. Action of γ rays, hydroxylamine, and urethane on chromosomes of hamster, 25:24087
KULAKOV, A. V. Space charge waves in a dense drifting electron stream with a monotonically varying cross section, 21:35023
KULAKOV, B. A. Installation of wire spark chambers with an analog output of information for measuring particle momentum and angles, 21:6243
Measurement of π^-p scattering near 180° in 4 to 7 GeV/c π^--meson beam, 22:13665
Measurement of π^-p-scattering near 180° in 4—7 GeV/c π^--beam, 21:18907 (JINR-P13-3132)
Spark chamber readouts developed by magnetostriction lines, 21:16176
KULAKOV, F. M. Low-noise transistor preamplifier for semiconductor detectors, 24:27360
KULAKOV, G. V. Physical characteristics of direct-charge detectors, 25:57777
KULAKOV, I. G. Investigation of stabilized annular discharge in argon, 21:20992
KULAKOV, V. M. Alpha decay of ^{233}U, 21:13859 (UCRL-Trans-1336)
Alpha decay of ^{249}Cf, 24:11017
Alpha decay of five Cm isotopes with the mass numbers 242 to 246, 21:12068
Alpha-decay of ^{232}U, 21:2748
Determination of energy of the most intensive α-particle groups from ^{229}Th and from some isotopes of Cm, Bk, and Cf, 24:22178
Energy levels of ^{234}U arising at decay of ^{238}Pu, 25:25736
Investigation of α decay ^{253}Es and energy levels of ^{249}Bk, 25:53777
Investigation of α decay of isotopes ^{228}Th and ^{229}Th, 24:38235
Methods of investigating alpha radiation, 24:11829
New data on the α decay of ^{233}U, 21:21560
Relative determination of energies of most intense α-particle groups for some isotopes (T/sub 1/2/ > 50 yrs) of heavy elements, 22:35357
KULAKOV, V. S. Use of reaction $^{16}O(p,\alpha)^{13}N$ to study oxidation of metals, 25:55384
KULAKOVA, E. M. Calculation of charged particle trajectory in synchrophasotron magnetic field of JINR, 21:988 (JINR-P-2880)
Measurement of topography of synchrophasotron magnetic field of JINR, 21:985 (JINR-P-2818)
Removal of nonlinear effects in deflecting magnets, 21:11893
Resonant extraction of the proton beam from Dubna synchrophasotron, 22:32287 (CEAL-2000, pp 336-42)
KULAKOVSKII, M. Ya. Calculation of heat release in concrete shielding, 24:49241
Characteristics of the planning of biological and activation shielding for fast reactors, 23:52333 (JPRS-48331, pp 343-71)
Influence of boron additions on shielding properties of concretes, 23:46544
Influence of boron on heat-release in concrete shieldings, 23:46545
Neutron penetration through shielding of heat resistant chromite concrete with boron, 23:46543
Radiation resistance of shielding materials, 23:46541
Radiation stability of serpentine concrete, 25:790
Use of concrete for shielding high-temperature reactors, 21:10134
KULAMOWICZ, Irena Effects of gamma- and x-irradiation on nucleotides of lymph nodes, 24:34102
KULANDER, John L. Velocity-dependent non-LTE source function. I, 21:20703
Velocity-dependent non-LTE source function. II, 25:30084
KULANDIN, A. A. Pulse effects of motion processes of plasma filaments, 22:9325
Theory of pulsed plasma-cluster accelerator, 25:40697
KULARUD, R. M. Negative "V" stellarator, 21:3814
KULAWIK, I. Application of ^{239}Pu electrode for determination of interfacial electric potentials, 21:40831
Application of ^{239}Pu electrode for determination of solvation energy of uranyl salts in aqueous and butylphosphate systems, 22:23010
Some remarks on the methodics of applying a radioactive source for measuring the interfacial potential, 21:40830
KULAWIK, J. Application of ^{239}Pu electrode for determination of interfacial electric potentials, 21:40831
Application of ^{239}Pu electrode for determination of solvation energy of uranyl salts in aqueous and butylphosphate systems, 22:23010
Some remarks on the methodics of applying a radioactive source for measuring the interfacial potential, 21:40830

KULAZHENKOVA, N. A. Radiolysis of gases in electric fields. II, 23:28900
KUL'BASHNAYA, M. V. Concerning influence of surface-active agents on bituminization of radioactive wastes, 21:36098
KUL'BEDA, V. E. Measurements of nuclear spin relaxation time T_1 and T_2 in paramagnetic solutions, 22:31961
KULCAR, S. Insulin radioimmunoassay for clinical research in psychiatric, 24:29668
KUL'CHITSKII, L. A. Calibration of maximum energies of electron accelerator bremsstrahlung by means of photoproton spectrometer, 21:46623
Cross section of the reaction ^{4}He(γ,p)^{3}He, 22:1591
Photodisintegration of ^{6}Li, 21:21468
Photodisintegration of ^{7}Li with emission of protons, deuterons, and tritons, 21:21467
Photodisintegration of the ^{16}O nucleus, 21:19184
Splitting of ^{7}Li nucleus at inelastic scattering of γ quanta, 24:22090
KULCHITSKY, L. A. Photodisintegration of ^{16}O, 22:29919
KULCINSKI, G. L. Annealing of defects in irradiated Mo, 24:14823
Anomalous behavior of bubbles in AISI Type-304 stainless steel irradiated in the ETR, 23:3094
Characterization and annealing behavior of voids in neutron-irradiated nickel, 25:11469
Comparison of displacement rates produced by ion bombardment and neutron irradiation, 25:59144
Design and calibration of an ultra-high pressure x-ray cell, 21:45278 (BNWL-438)
Design, calibration, and capabilities of solid state piston-cylinder and "Belt" ultra high pressure equipment, 21:45279 (BNWL-465)
Dissolution of UC particles in U, 23:30193
Effect of hydrostatic pressure on recovery of unit cell dimensions in irradiated Mo, 22:52211 (BNWL-845)
Effect of hydrostatic pressure on the recovery of electrical properties of irradiated molybdenum, 22:52210 (BNWL-844)
Effect of hydrostatic pressure on the recovery of irradiation induced hardness in molybdenum, 22:52213 (BNWL-847)
Effect of temperature on void formation in irradiated pure and impure metals, 25:47141 (BNWL-SA-3921)
Effects of neutron irradiation on the phase stability of selected high-pressure polymorphs, 23:25443
Exploration of the problems associated with the neutron irradiation of samples under high hydrostatic pressures, 22:37901 (BNWL-613)
Fission gas induced swelling in uranium, 23:22616
Formation of voids in Fe during neutron irradiation, 24:6217
High temperature heavy ion bombardment of Mo, Nb, and TZM, 25:49484 (BNWL-SA-3922)
High-pressure induced phase transition in ZrO_2, 22:52293
High-temperature dissolution of UC precipitates in irradiated U, 23:3161
Hydrostatic pressure induced annealing of defect clusters in irradiated molybdenum, 22:52212 (BNWL-846)
Irradiation-induced voids in rhenium and molybdenum, 24:32483
Lattice parameter increases in neutron irradiated molybdenum, 23:36146
Microstructural analysis of neutron-irradiated titanium and rhenium, 25:58302
Microstructure of high-temperature neutron-irradiated tantalum and molybdenum, 24:51186
Pressure induced annealing of defect clusters in irradiated Mo, 24:15396
Pressure induced recovery of irradiation damage in molybdenum, 22:45791 (BNWL-SA-1835)
Production of voids in nickel with high energy selenium ions, 25:45098
Production of voids in pure metals by high energy heavy ion bombardment, 25:47142 (BNWL-SA-3966)
Recovery of electrical properties of neutron-irradiated Mo, 23:25460
Reversibility of fission gas swelling in uranium, 23:36102
Simulation of high fluence fast neutron damage with heavy ion bombardment, 25:33414
Specimen preparation for transmission electron microscopy of heavy-ion-bombarded type 316 stainless steel, 25:715
Swelling in refractory metals during high temperature ion bombardment, 25:55573 (BNWL-SA-3962)
Technique for annealing irradiated uranium under high hydrostatic pressures and temperatures, 23:14342
Use of heavy ions from a tandem accelerator to simulate high fluence, fast neutron damage in metals, 25:43758
Vacancy migration in high-temperature neutron-irradiated molybdenum, 24:47317
Void formation in neutron irradiated molybdenum and rhenium, 25:49483 (BNWL-SA-3920)
Void formation in nickel during irradiation, 25:4819
Voids in neutron-irradiated platinum, 25:40076
KULCSAR, M. Study of chemical processes by isotope tracer techniques, 22:14706
KULEBAKINA, L. G. Dependence of the coefficients of accumulation of ^{90}Sr in hydrobionts on the ash content, 24:11912
Maximum concentration factors of ^{90}Sr for brown algae, 21:12799
Radioecological studies of the Mediterranean Sea, 25:8630
Strontium-90 in seaweed, aquatic plants, molluscs, crustaceans, and fish of Black Sea, 1965—66, 22:33805 (A-AC-82/G/L-1194)
Uptake coefficients for Ca, Sr, and ^{90}Sr in some marine organisms, 22:10772
KULEK, J. Effect of pile-neutron irradiation on dielectric properties of $PbZrO_3$, 25:52930
KULES, I. Radiolysis of polynuclear isolated hydrocarbons, 21:23977
KULES, Inna Intramolecular energy transfer in α, ω-diphenyl alkanes, 23:19785
Investigation of the radiation stability of alkyl diphenyls, 21:8344
Kinetics of OH radical reactions in irradiated ordinary and supercooled water, 25:44390 (KFKI-71-21)
Radiation chemistry of supercooled water, 25:54663
KULESHA, Ya. Influence of irradiation of wheat seeds on thiamine biosynthesis, 23:17942
Thiamine synthesis in irradiated wheat seed, 21:34611
KULESHEVSKAYA, Z. M. Thermodiffusion of ^{60}Co and ^{63}Ni in liquid metals, 23:12299 (IS-Trans-78)
KULESHOV, A. I. About a method of calculation of effective resonance integrals, 23:42986
KULESHOV, A. V. Universal hose gamma defectoscope with remote control transporter, 22:19177
KULESHOV, N. F. Operation experience of automatized pilot installation for treatment of effluents by electrodialysis method, 25:51554 (A/CONF.49/P-427)
KULESHOV, N. P. Formation of dicentrics after irradiation, 24:50841
KULESHOV, S. Poisson distribution of secondary particles in straight-line paths, 25:53228
Quasi-potential smoothness in quantum field theory models, 25:41072
KULESHOV, S. P. Account of closed loops and relativistic eikonal representation, 25:45767 (JINR-E2-5827)
Account of radiation corrections for the eikonal scattering amplitude in quantum field theory model, 24:24444 (JINR-E2-4983)
Approximate method of solving the quasipotential equations, 25:45795 (JINR-E2-5833)
Average multiplicity asymptotic behavior and diffraction mechanism of particle interactions at high energies, 25:50115 (JINR-E2-5898)
Eikonal approximation for the inelastic scattering amplitude in quantum field theory model, 24:26446 (JINR-E2-4955)
Eikonal approximation in quantum field theory by functional integration method, 24:1637 (JINR-E2-4692)
Eikonal approximation in quantum field theory, 24:43026
General analysis of the meson—nucleon scattering based on the functional integration method, 25:50135 (JINR-E2-5897)
Glauber representation for high energy scattering of Dirac particles on smooth potentials, 23:36951 (JINR-E2-4455)
High-energy elastic and inelastic hadron collisions, 25:9751
Poisson distribution of secondary particles in straight-line paths approximation, 25:3407 (JINR-E2-5329)
Problem of meson mass spectrum in quark method, 21:33690 (JINR-P2-3353)
Problem of quasipotential smoothness in quantum field theory models, 25:5387 (JINR-E2-5365)
Quasipotential smoothness in quantum field theory models, 25:7721
Scalar particle scattering amplitude analyzed on the basis of the Bethe—Salpeter equation, 25:25341 (JINR-E2-5640)
Straight-line particle path approximation in description of high-energy hadron scattering, 25:19927
Straight-line particle paths approximation for description of high-energy hadron scattering in quantum field theory, 25:17498 (JINR-E2-5217)
KULESHOV, V. A. Determination of sign of amplitude for $\pi^+\pi^-$ scattering, 23:3648
Investigation of $\pi^+\pi^+$ interaction at low energy of the dipion state, 24:8569
Investigation of the reaction $\pi^- + p \rightarrow \pi^- + \pi^+ + n$ at 1.3 GeV/c in order to obtain the pion—pion interaction cross section, 21:33615
KULESHOVA, A. V. Corrosion of Ti in inorganic media, 24:25644
Corrosion of Ti in organic media, 24:25645
KULESHOVA, L. N. Use of spark chambers for investigating the characteristics of charged particle beams, 24:27415
KULESHOVA, N. D. New method of preparation of aromatic fluorine-containing compounds (anodic substitution of fluorine for hydrogen), 25:41685 (BNL-tr-434)
Preparation and radiation protective properties of some derivatives of beta-mercaptopropionic acid, cystamine, and cysteamine, 22:43378
KULESHOVA, Yu. F. Electrophoretic filters with graphite anodes, 22:12492
KULESKO, G. I. Recrystallization of a strongly deformed monocrystal of molybdenum, 25:55518
KULESSA, R. Application of the sum-coincidence method for g-factor measurements of short-lived excited nuclear states, 22:10580
g factor of 184-keV state of ^{67}Zn, 24:13345
g-factors of excited states in ^{134}Te and ^{147}Sm, 22:46779
Level scheme of ^{147}Sm and g-factors of its two lowest excited states, 23:1875 (INP-620)
Level scheme of ^{147}Sm and g-factors of two lowest excited states, 23:7319
Life-time measurements of 2^+ rotational states in ^{182}Os and ^{184}Os and of 1020 keV excited state in ^{206}Bi, 24:38208 (JINR-E6-5070)
Lifetimes of excited nuclear states in ^{115}In, 21:17344 (INP-506/PL)
Lifetimes of excited nuclear states in ^{113}In, 21:42630
Lifetimes of excited nuclear states, 24:43225
Sum-coincidence method for g-factor measurements of short-lived excited nuclear states, 22:9848 (INP-569/PL)
KULESZA, Albin Separation of ^{132}Te and ^{132}I, 23:47563
Separation of ^{99}Mo and /sup 99m/Tc, 23:47611
KULESZA, Barbara Dependence of growth of Guerin carcinoma on site of inoculation and on immunity of rats, 21:18154
KULESZA, J. Influence of ^{60}Co on ascorbic acid in corn [rye and wheat] from irradiated seeds, 25:44960
Influence of γ irradiation of pea seeds on thiamine biosynthesis, 22:6758
Influence of γ irradiation of wheat seeds on ascorbic acid content of plant, 25:42726
KULESZA, Janusz Effect of gamma-irradiation of grain seed on the nitrogen content of the young plants, 25:52266
KULESZA, Romuald Effect of O-enriched inspired air, on survival of mice irradiated with 500, 550, and 600 R, 25:19123
Influence of neurohormones on CO_2 excretion and carbohydrate metabolism in acute postradiation disease in rats, 22:40584
The role of the nervous system in the mechanism of primary reactions after irradiation, 24:2782
KULEV, I. Content of ^{18}F in cooling water of nuclear research reactors, 22:53424
KULEVA, N. V. Effect of trinitrophenylation of myosin on isotopic exchange of oxygen in ATP—$H_2{}^{18}O$, 25:8248
KULEVA, V. M. Use of o-nitrobenzoic acid for gravimetric determination of zirconium or hafnium, 22:25269
KUL'GAVCHUK, V. M. Long-lived gamma activity of fission products in a uranyl sulfate solution, 23:35253
KULGAWCZUK, D. Moessbauer study of hyperfine fields in Zn—Mn ferrites, 22:46251
KULGEIN, Norman G. Ion collection from low-speed ionized gas, 22:9334
KULHANEK, Frank C. Applications of climatological measurements, 22:40238 (AECL-2787, pp 356-67)
KULHANEK, J. Classical dynamics in an expanding universe, 23:18369
Equations of de Broglie wave field and their relation to Riemann's curvature tensor, 25:7712
Equations of de Broglie wavefield in case of spherical symmetry, 23:39811
Equations of the de Broglie wave field in space—time, 21:3949
Particle description, 24:1652
Proper vibration of the space, 25:7711
KULIABKO, O. M. Changes in the reactivity of the autonomic nervous system in children at late periods after radiotherapy, 23:6603
KULICHENKO, A. K. Energy spectrum and angular distribution of the penetrating cosmic-ray component at mountain altitudes, 22:45980
Investigation of penetrating component of high-energy cosmic rays on mountain level, 24:3544
KULICHENKO, L. N. Semiconductor detectors for ionizing radiations and their characteristics, 22:23284
KULICHENKO, M. N. Decontamination and concentration of radioactive effluents and the decontamination of low-activity waste waters containing detergents, 21:265
KULICHENKO, V. V. Fixation of radioactive wastes in cement, 21:270
Incorporation of radioactive wastes into bitumen, 23:43388
Incorporation of radioactive wastes containing sodium nitrate into bitumen, 25:21127
KULICKE, P. Advances in the field of separating stable isotopes by chemical exchange, 21:19738
KULICKI, K. Effect of a steady electric field on the diffusion of oxygen through polycrystalline layers of carbon or vanadium pentoxide, 25:58383
KULICZ, Adam Radiological diagnosis of peptic ulcer in the small bowel, 24:17094
KULIEV, A. A. 0^+ and 1^+ unlike particle-hole states in deformed odd—odd nuclei and β-strength functions, 25:59872
1^+ states in deformed nuclei, 24:26636 (JINR-E4-4908)
Collective 1^+ states in even—even deformed nuclei, 25:56819 (JINR-P4-5889)
E0-transitions and structure of 0^+ excitations in deformed nuclei, 22:9851 (JINR-P4-3576)
Effect of spin force on rate of allowed G-T β-decay in deformed nuclei, 24:30869 (JINR-P4-5003)
Effect of spin-quadrupole force on rate of β decay to collective states of even deformed nuclei, 22:7752
Gamov—Teller 1^+ excitations in odd—odd nuclei, 25:36817 (JINR-P4-5744)
Magnetic dipole interactions in deformed nuclei, 22:46817 (JINR-P4-3934)
Magnetic dipole interactions in deformed nuclei properties of $K = 1/2$ states, 23:1931 (JINR-P4-4069)
Magnetic dipole interactions in deformed nuclei, 23:25910
Magnetic dipole interactions in deformed nuclei, 23:40097
Spin polarization effects in odd-mass deformed nuclei, 23:17133
Spin-quadrupole force effect on allowed β-decay rate, 21:21519 (JINR-P4-3171)
Spin-vibrational 1^+ states in deformed nuclei, 24:43503
States I/sup π/ = 1^+ in even—even deformed nuclei, 25:3727
KULIFEEV, V. K. Thermodynamics of ytterbium—aluminum alloys, 25:45041
KULIG, A. Protective effect of cysteamine, 24:32038
KULIG, Andrzej Protection by cysteamine from effect of x rays in hamsters, 23:45788
KULIGINA, N. V. Mechanism of action of ionizing radiation on anion exchanger AV-17, 24:31409
Mechanism of action of radiation on cation exchanger KY-2, 24:31410
KULIK, I. A. Machine estimate of homogeneity of magnetic fields of solenoids, 25:36077
KULIK, I. I. Effect of loss of blood on general reactivity of the organism after irradiation, 22:6871
KULIK, I. O. Critical field of surface superconductivity in inclined field, 22:50123
Effect of concentration nonuniformity on the properties of superconductors with paramagnetic impurities, 22:44052
Fluctuation conductivity of a tunnel contact at temperatures above critical, 24:21746
Fluctuation resistance of a tunnel junction at temperatures exceeding the critical, 25:3029

Magnetic flux quantization in the normal state, 24:37417
Nonlinear high frequency properties of thin superconducting films, 23:46429
Nonstationary effects in resistive state of superconducting films, 24:49086
Plasma oscillations and metastable states in Josephson tunnel junctions, 25:27651
Temperature dependence of Josephson's current in anisotropic superconductors, 22:1094
Theory of autoelectron emission in superconductors, 21:37382
Theory of resonance phenomena in superconductive tunneling, 21:29184
Theory of superconductivity in a phonon model, 23:8551
Theory of tunnel effect in superconductors, 21:31377
Theory of tunneling in anisotropic superconductors, 22:50121
Vortex structure in superconducting films in a parallel field, 21:33331
Wave propagation in the Josephson tunnel junction in the presence of vortices and the electrodynamics of weak superconductivity, 21:9486
KULIK, M. M. Survival of two storage fungi after gamma radiation of host seeds, 21:3455
KULIK, Martin M. Some effects of gamma radiation on germination and storage life of seeds of eight crop species, 25:21989
KULIK, O. G. Phase diagram of Nb—Nb_5Si_3 system and crystal structure of compound Nb_3Si, 23:12352
KULIK, O. P. Chemical properties of nitrides of some transition metals, 25:35522
Enthalpy of formation of the N solid solution in α-Zr and of zirconium nitride in their homogeneity regions, 25:32725
Phase studies of products from nitridation of Ti, Zr, Hf, and Cr, 23:21692
Some chemical properties of zirconium nitride, 23:48555
Thermal decomposition of nitrides of some transition metals in air, 24:27045
KULIK, V. V. Distribution of moderated neutrons in a medium bounded with a spherical surface, 22:41939
Slowing down of neutrons from a point source in a semiinfinite medium, 24:49235
Slowing down of neutrons in a cylindrical bounded medium, 22:50517
KULIKAUSKAS, V. S. Proton scattering on a tungsten single crystal, 21:44196
KULIKOV, A. V. Cross sections for photoneutron reactions on ^{7}Li, 21:21470
Cross sections of ^{40}Ca photoneutron reactions, 21:1049
Device for connecting the generator tube with the resonance system of a synchrocyclotron, 25:59649
Search for new type of radioactivity in aluminum and tungsten targets irradiated by 70-GeV protons, 25:14541 (JINR-P1-5399)
Search for new type of radioactivity in Al and W targets irradiated by 70-GeV protons, 25:38657
Underground nuclear explosions, 21:1484 (AEC-tr-6777)
KULIKOV, E. V. Experimental vessel-type reactor and some data on the reactor start-up, 22:35619
KULIKOV, G. V. Energy spectrum of ultrahigh energy primary cosmic rays, 24:12664
Fluctuations of different components of extensive air showers at sea level, 22:13278
Primary cosmic super-high energy radiation and wide atmospheric showers, 22:2838
KULIKOV, I. A. Alpha- and beta-radiolysis of aqueous solutions of light and heavy water, 21:12478
Chemical method for determination of dose rate of various types of radiation, 24:48561
KULIKOV, I. S. Dispersion hardening of metal—base compositions, 23:27155
Dissociation of vanadium oxides, 25:16600
KULIKOV, I. V. Radiosensitivity of developing tench embryos (Tinca tinca L.), 22:51954
KULIKOV, L. A. Cobalt-57 electron capture in $K_3[Fe(C_2O_4)_3].3H_2O$, 23:47488
KULIKOV, N. V. Accumulation of ^{137}Cs by fresh water plants under experimental conditions and natural water basins, 22:45401
Accumulation of radioisotopes by fresh-water plants, 21:34601
Behaviour of natural radioactive elements in non-running freshwater basin, 23:43412
Distribution of ^{90}Sr and ^{137}Cs in soil and vegetation cover of tundra, 25:37497
Effects of vegetable cover on migration of ^{144}Ce in soil, 24:7776
Fission products migration in forest, 24:41788
Influence of complexons on radioisotope sorption by soil, 24:7774
Influence of ionizing radiations on the early stages of development of Limnaea stagnalis L, 21:36717
Migration and translocation of natural radioactive elements in water, 25:2547
Radiosensitivity of roe of pike Esox lucius, 25:29659
Radiosensitivity of tench (Tinca tinca L.) embryos at early stages of development, 24:27693
Radiosensitivity of tench embryos (Tinca tinca L.), 24:7999
Role of fresh-water plants on uptake of ^{90}Sr in water-basin, 24:7778
Strontium-90 and ^{137}Cs fixation by plants, 24:570
Uptake of isotopes by dead tissues of fresh-water plants, 24:7777
Vertical migration of ^{90}Sr and ^{137}Cs in soil, 25:39810
KULIKOV, O. F. Angular and energy distribution of γ quanta in the Compton effect on relativistic electrons, 23:14945
Betatron oscillation resonances in an electron synchrotron, 21:29690
Betatron oscillation resonances in synchrotrons, 22:37264
Elliptical polarization of radiation from relativistic electrons in a magnetic field, 22:41317
Experimental investigation of the radiation and movement of electrons in the synchrotrons, 21:25391
Method for production of gamma quanta by Compton effect on relativistic electrons, 22:7141
Method of measuring the frequency of radial betatron oscillations in a synchrotron, 22:11756
Natural collimation of synchrotron radiation and axial dimensions of the electron bunch, 22:9541
Nonlinear betatron oscillation resonances in electron synchrotron, 22:32325 (CEAL-2000, pp A59-62)
Polarization of scattered radiation in Compton effect, 23:36819
Stabilization of betatron oscillations, 21:25365
Stabilization of betatron oscillations, 21:27493
Stabilizing the amplitude of radial betatron oscillations in a cyclotron, 23:46886
Studies of betatron oscillation resonances in electron accelerators and storage systems, 21:17251
KULIKOV, V. M. Unified description of inelastic and quasielastic electron scattering from nuclei, 25:59869
KULIKOV, V. N. Charge distribution of heavy cosmic-ray nuclei in region Z greater than or equal to 26, 25:30305
Interaction of relativistic heavy nuclei from cosmic rays with nuclear emulsion, 24:42875
Upper limit of the content of antinuclei in cosmic radiation, 22:29314
KULIKOV, V. S. Magnetic field effect on resistance between electrodes in current-conducting channel, 23:10481
KULIKOV, V. V. Testing thin-foil spark chambers, 24:14308
KULIKOV, Yu. A. Venous and lymphatic channel under ionizing radiation, 25:32561
KULIKOV, Yu. K. Escape of ^{23}Ne from the sodium coolant into the gas cavities of the BR-5, 23:43151
Monitoring hermeticity of fuel elements of BR-5, 23:52410 (JPRS-48330, pp 553-90)
KULIKOV, Yu. V. Ionization counter dE/dx filled with liquid Xe, 25:4319 (JINR-P13-5403)
KULIKOVA, I. A. High-precision electrometric integrating amplifier for measuring ionization currents and electric charges, 22:2366
KULIKOVA, I. N. Carlson calculations of γ-ray transmission, 24:37531
KULIKOVA, M. M. Scanning of the spleen in the diagnosis of lymphogranulomatosis, 24:17091
Use of erythrocytes labelled with /sup 99m/Tc pertechnetate for scanning of cardiac cavities, 23:29649
KULIKOVA, N. M. Angular distribution of fragments from ^{235}U photofission, 21:7805
Prevention of the coagulation of grains of microdispersed powder introduced in nuclear emulsions, 23:16103
KULIKOVA, N. V. Refractory concretes containing barium cements, 23:41719
KULIKOVA, V. F. Effect of complexing agents on polymerization of allyl monomers, 21:17662
Effect of complexing agents on the polymerization of allylic monomers, 21:23997
KULIKOVA, V. G. Behavior of ^{137}Cs and ^{144}Ce in rats, 25:6613 (AEC-tr-7169, pp 153-70)
Distribution of ^{86}Rb, 25:32335
Effects of sex, age, castration, sex hormones, and adrenalectomy on ^{137}Cs and ^{144}Ce distribution and uptake in rats, 22:43231
Transfer of radioisotopes from mother to fetus, 25:32338
KULIKOVSKII, A. G. Influence of electric field on ionizing shock waves in gas, 22:50165
Shock waves ionizing a gas in an electromagnetic field, 22:20024
Slow steady flow of a conducting liquid at high Hartmann numbers, 22:43968
Stability of a homogeneous plasma between two parallel surfaces, 25:40682
Variations in gas rate in ionizing shock waves, 23:5271
KULIKOWSKA, T. BIGG code in GIER-ALGOL 4 for the Gier computer, 25:12842 (INR-1193)
Mixer code, 23:52449 (INR-1062)
PIGG: multigroup one-dimensional P-1 code, 22:48752 (KR-129)
Survey of INR activities in spectral codes development, 25:25622
KULIKOWSKA, Teresa Positive difference schemes in spectral codes, 25:48000 (INR-P-1278)
KULIN, S. A. Experimental considerations for Polaroid film x-ray photographs, 21:4676
KULIN, Ya. T. Effect of uhf radiation on concentration of the intermediate products of glycolysis in yeast cells, 22:4711
KULINICH, Yu. A. Measurements of time-of-flight straggling in FEU-30 with time-dependent operation, 22:30917
Studies of FEU 63 photomultiplier, 21:45474
KULINSKI, S. Interaction of a charged particle with moving current layer, 22:26396
Monochromator measurements of ion velocities in a rod plasma injector, 22:34590 (INR-P-883/XVIII/PP)
Motion of charged particle in rod plasma injector "DP", 21:16911 (INR-712/VII/PP)
Motion of charged particles in super-imposed magnetic electric fields, 24:40079
Numerical solutions of the full wave equations in an inhomogeneous cold plasma slab near the lower hybrid resonance, 25:1241 (CEA-CONF-1613)
Use of a monochromator for the velocity and temperature measurements in a coaxial plasma accelerator, 21:29201 (INR-781/XVIII/PP)
KULINSKI, Stanislaw Measurements of ion velocities in rod plasma injector, 24:28240
KULINSKII, V. I. Antiradioprotective effect of catecholamines, 25:26804
Catecholamine content in organs of animals dead from acute radiation sickness, 21:26519
Content of noradrenalin and adrenalin in the tissues of macaques that died of acute radiation sickness, 24:9762
Effect of cystamine on monoamine oxidase and catechol-O-methyltransferase, 25:35165
Effects of radioprotective sympathicomimetics on oxygen pressure in the spleen, 25:29547
Influence of radioprotectors on the content of catecholamines in mouse tissues, 25:27017
Participation of catecholamine depots and alpha-adrenoreceptors in radioprotective effect of hydroxyphenylethanolamines, 25:29546
Pharmacological study of mechanism of radioprotective action of catecholamines, 23:50616
Potentiation of radioprotective effects of aminothiols in acute radiation sickness, 25:44829
Temporal distribution of death rate of irradiated animals, 21:4845
Time distribution of the death rate of irradiated macaques, 21:6670
KULIPANOV, G. N. Beam control system of the electron storage ring VEP-1, 21:29742
Beam—beam interaction in storage rings, 22:32257 (CEAL-2000, pp 126-9)
Experimental results on beam—beam interaction, 21:29747
Influence of the number of particles in a storage ring on the lifetime and dimensions of the beam, 21:33825
Lifetime and dimensions of an electron beam in a storage ring, 21:9876 (SLAC-Trans-54)
Lifetime and size of electron (or position) beam in storage ring at low current values, 21:33824
Non-linear resonances of betatron oscillations in storage rings, 21:33830
KULIS, P. B. Mass exchange of a circular cylinder in presence of transverse magnetic field, 25:2941
KULISCHENKO, Walter Airbrasive jet machining techniques and related AJM equipment, 23:24786
KULISH, P. P. Asymptotic conditions and infrared divergences in quantum electrodynamics, 24:45588
Asymptotic states of massive particles interacting with gravitational fields, 25:17578
KULISH, Yu. S. Urine proteins during acute radiation sickness of animals, 22:51384
KULISH, Yu. V. Current algebra and π-meson electroproduction on nucleons, 25:53061
Vector dominance, SU(6)-symmetry and weak $B \rightarrow B'\gamma$ decays, 24:35683
KULISIC, P. Emission of alpha particles in reactions induced by medium-energy nucleons, 25:15173
Energy levels of ^{18}Ne, 24:43165
Energy levels of ^{19}Ne, 25:5587
Evidence for alpha clustering in heavy nuclei, 24:43440
Reaction ^{22}Ne(p,t)^{20}Ne at 26.9, 35.1, and 42.4 MeV, 25:31296
Reactions (n,α) on Te isotopes at 14 MeV, 24:30865
Single neutron states in (n,α) cluster transfer reactions, 24:45780
KULIUENKO, V. V. Treatment of low- and intermediate-level radioactive wastes in Bulgaria, Hungary, the USSR, and Czechoslovakia, 21:271
KULI-ZADE, D. M. Effect of term parity on the curve of growth, 22:45903
New solar curve of growth, 22:52443
Turbulent velocities in the solar atmosphere, 23:27308
KULJIAN, Harry A. Nuclear power plant design, 23:9128
KULKA, Felix American practices in the design of prestressed concrete containment structures, 22:53317
Prestressing systems for secondary and primary containment structures, 23:21432
KULKA, Milan Efficiency dependence of Geiger-Mueller tubes on the angle of incidence of gamma radiation, 21:1616
KULKA, R. Electrogasdynamic power generation, 21:41073
KULKA, Z. 10 MHz decimal counter with logic gates, 23:41133 (INR-1052)
Sliding pulse generator for differential linearity measurements, 24:23036 (INR-1154)
KULKA, Zbigniew Integral discriminator for amplitude analyzers, 25:55073 (INR-1315)
KULKARNI, A. G. Compressibility studies in mixed aqueous electrolytes, 25:13015
KULKARNI, A. K. Development of high temperature ceramic materials, 25:27280 (INIS-mf-12)
Development of high temperature ceramic materials, 25:45110
Sintering of thoria powders. IV, 22:19633
KULKARNI, Avinash Dattatraya High-temperature thermodynamic stabilities of $Cr_{23}C_6$, Cr_7C_3 and Ta_2C determined by torsion—effusion technique, 24:8188
KULKARNI, B. A. Production of tritium targets and sources, 24:50517 (CONF-690916-(Vol.2), pp 121-8)
KULKARNI, D. R. Hartree—Fock orbitals with S-state interactions, 24:52481
Hartree-Fock orbitals with S-state interactions, 25:50708
SU_3 symmetry and the effective interactions in the s—d shell, 23:21387
KULKARNI, L. G. Induction of useful mutations in castor, 25:39838
Two dwarf castors that are great in performance, 23:2810
KULKARNI, M. D. Experience with packaging for the transport of radioactive materials, 25:51812
Operating experience in the shipment of radioactive materials, 25:48832 (CONF-710801-(Vol.1), pp 447-61)
KULKARNI, M. V. Mass spectrometric fragmentation of 2-isopropenyl-2,5-dimethylcyclohexanone, 24:18956
KULKARNI, P. P. Spread-F echoes at Ahmedabad over solar cycle, 24:47112
KULKARNI, P. V. Behavior of oxygen 6300 A emission in the night airglow, 22:47923
Correlations among night airglow radiations, 21:41916
KULKARNI, R. G. Operator derivation of certain recursion relations between radial matrix elements of the coulomb field, 22:32715
Radial Coulomb integrals using symmetry properties of the Coulomb field, 24:26477

KULKARNI, R. N. Sunspot cycle and the quasi-biennial stratospheric oscillation, 22:22031
KULKARNI, R. P. Developments in the ion beam handling facilities at the Van de Graaff accelerator, 21:15440 (CONF-660221-, pp 326-9)
KULKARNI, R. T. Partitioning of Pu from U by reduction to Pu(III) with ferrous ions and hydrazine, 23:379
KULKARNI, Shrikant Vishnu ESR studies of fluorinated and some deuterated aromatic free radicals, 24:18951
KULKARNI, V. G. Formation and quenching of orthopositronium in molecular materials, 23:27346
  Free volume model for positronium decay in molecular materials, 23:22922
  Positron annihilation in condensed media, 22:26207
  Positron annihilation: a new tool, 24:51409 (CONF-690916-(Vol.1), pp 172-7)
  Positron lifetimes in rare earth oxides, 25:30272
  Quenching of triplet positronium in condensed media, 21:43774
KULKARNI, V. H. Multidentate azomethine complexes of Th(IV), 24:50366 (CONF-690916-(Vol.2), pp 270-5)
KUL'KAROV, I. S. Elastic scattering of electrons by nickel and tin isotopes, 23:17086
KUL'KINA, L. P. Economical source for multiply-charged calcium and zinc ions, 25:43765
KUL'KOV, V. D. Hyperfine interaction fields for heavy elements dissolved in iron, 21:27240
KUL'KOVA, L. P. Adiabatic γ-calorimeter with improved sensitivity, 24:21026 (UCRL-Trans-10430)
  Apparatus with adiabatic γ-calorimeter for measurement of activity of γ-sources, 24:25266 (UCRL-Trans-10447)
  High-sensitivity adiabatic gamma calorimeter, 21:1622
KULL, Frederick J. Reinvestigation of the oxygen-exchange between water and phosphate during the hydrolysis of urea by urease, 21:14189
KULL, L. Application of photoinduced reactions to nuclear materials safeguards problems, 23:10997 (GA-8812)
  Application of photoinduced reactions to nuclear materials safeguards problems, 24:15867 (GA-9614)
  Measurements of prompt and delayed neutrons from photofission, 23:4018
KULL, L. A. Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1969—June 30, 1970, 25:355 (GA-10272)
  Delayed neutrons from low energy photofission, 24:18417
  Feasibility tests of a commercial radiographic linac for nuclear materials assay, 25:48786 (CONF-710617-13)
  Generation of a measurement catalog for safeguards, 25:48785 (CONF-710617-12)
  Influence of drift distance on the attainable energy resolution of a bunched electron beam, 25:50563
  Measurements on ^{63}Cu(γ,n) and (γ,2n) cross sections, 23:15396
  Praseodymium-141(γ,n) cross section from threshold to 24 MeV, 24:49892
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 10—12/68, 23:21593 (GA-9231)
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 1—3/69, 23:28719 (GA-9331)
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 7/1/69—9/30/69, 24:31641 (GA-9871)
  Prog. rpt. on nuclear materials safeguards problems, 7—9/68, 23:16062 (GA-9077)
  Reaction ^{14}N(p,d)^{13}N at 30 MeV, 21:33892
  Reactions (p,d) with ^{6}Li, ^{7}Li, and ^{9}Be, 22:3600
  Safeguards applications for isotopic neutron sources, 25:18619 (BNL-50267)
  Study of reactions ^{10}B(p,d)^{9}B and ^{11}B(p,d)^{10}B, 22:18135
KULL, Lorenz A. ^{88}Y: a new replacement for ^{124}Sb in a nuclear materials assay system, 25:48726 (CONF-710402-(Vol.3), pp IV.94-8)
KULL, Lorenz Anthony Investigation of (p,d) reactions in 1p-shell nuclei, 22:35236
KULLANDER, S. (p,2p) reactions at 600 MeV, 25:56711
  Capture efficiencies of synchrocyclotrons, 24:30646
  Energy of separation for some nuclei of medium mass in the reaction (p,2p) at 600 MeV, 25:56706
  Helium recoil spectrometer, 25:46637
  Low-pressure helium spark chambers, 22:6600
  New read-out method for wire spark chambers operating in magnetic fields, 24:39353
  Operation of cylindrical wire spark-chambers in low-pressure helium, 25:10872
  Perturbed phase motion in a synchrocyclotron due to space charge, 22:29814
  Reaction (p,2p) at 600 MeV, 25:17757
  Reactions (p,2p) at 600 MeV, 24:52439
  Readout of wire spark chamber by delay lines, 25:18793
  s-shells in ^{28}Si, 25:22996
KULLECK, J. G. Detection of internal conversion electrons in charged particle spectra, 24:13313 (TID-25300)
  Detection of internal conversion electrons in charged particle spectra, 24:29506
  Isobaric analog resonances in elastic and inelastic scattering of protons on ^{208}Pb, 22:14040
  Isospin effects in ^{96}Zr(p,d)^{95}Zr, ^{96}Zr(p,p')^{96}Zr, and ^{96}Zr(p,p)^{96}Zr, 23:28313
  Neutron particle hole structure in ^{208}Pb, 22:9903
  Particle-gamma coincidence measurements, 24:52582
  Particle-hole states in ^{208}Pb, 24:52629
KULLECK, James G. Experimental observation of the coupling of the analogous channels in a (d,p) and (d,n) reaction, 21:2757
KULLECK, James Gerard Neutron particle hole structure in ^{208}Pb through isobaric analog resonances, 25:43907
KULLEN, B. Kilogram-scale production of plutonium hexafluoride by fluorination in a fluidized bed, 22:30568
  Production of plutonium hexafluoride by fluorination in a fluidized bed, 23:9387
KULLEN, B. J. Engineering development of fluid-bed fluoride volatility processes. XV, 23:9497 (ANL-7468)
  Engineering development of fluid-bed fluoride volatility processes. Part 16. A safety manual for the engineering-scale alpha facility, 25:8446 (ANL-7672)
KULLGREN, B. Enzyme activity of donor origin in radiation chimeras, 23:38532
KULLMANN, D. Superconducting dc quadrupole lens, 25:28111 (KFK-1218)
KULMALA, A. Fission products of unusual composition in Finland, 22:187
KUL'MAN, V. G. Accelerating structures with ring coupling resonators, 25:31078
  Design problems of 1000-MeV linear accelerator used as an injector for cybernetic accelerator, 21:29793
  Linear proton accelerator I-2. II, 22:32404
  Proton linac (25 MeV), 22:32316 (CEAL-2000, pp A30-1)
  Proton linear accelerator (800 MeV), 22:32322 (CEAL-2000, pp A52-3)
  Startup of 25-MeV, rigid-focusing linear proton accelerator, 21:33821
KULMANEN, E. V. Effect of γ-irradiation on establishing short-range order, 24:21408
KULMBURG, A. Electron beam microanalysis of complex carbides, 25:34523
KULOZIK, S. Radiation effects on vital and lyophilized tissue, 21:6467
KULP, B. A. Effects of electron bombardment on single-crystal CdSe at 77 deg K, 21:7351
  Electron radiation damage in cadmium—selenide crystals at liquid-helium temperature, 21:37576
KULP, J. Laurence Radionuclides in man from nuclear tests, 21:14640
KULPA, S. J. Spectrographic analysis of Bi—Sn eutectic alloys, 21:42868 (ANL-7331)
KULSHRESHTHA, Arūn P. Semiconductivity in β-alanine, 24:47309
KULSHRESTHA, S. C. Lixiviation test on bulk uraniferous quartzite ore, 25:44422
KUL'SKAYA, O. A. Geochemistry and analytical chemistry of rare earth elements. II, 24:29194
KULSRUD, R. Turbulence in confined plasmas at high electric fields, 25:38350 (CONF-710607-64)
KULSRUD, Russell Effect of wave—particle interactions on the propagation of cosmic rays, 23:27401
KULSRUD, Russell M. Application of energy principle to axisymmetric devices, 23:51714
  Application of the energy principle to astron-type and other axisymmetric devices, 23:8572 (MATT-653)
  Collective instabilities and waves for inhomogeneous stellar systems. I. The necessary and sufficient energy principle, 24:28049
  Contribution of electron-electron collisions to the emission of bremsstrahlung by a plasma, 21:775
  Effectiveness of instabilities for the confinement of high-energy cosmic rays in the galactic disk, 25:40402
  Rotational deceleration of magnetized stars, 25:13800
  Self-adjointness for Lagrangian systems, 22:49975
KULT, K. Acceleration of ^{3}He^{++} ions in U-120 cyclotron, 22:15882 (UJV-1898)
  Acceleration of protons in U-120 cyclotron, 21:44476 (UJV-1848)
  Energy variation of ^{120}U cyclotron, 21:17219 (UJV-1640)
  New form of exploitation of cyclotron U-120, 22:29810
KULT, Karel Power calibration of the separating magnet in the cyclotron, 23:37049
KULTASHEV, O. K. Electron work function of tantalum—ruthenium alloys, 25:56350
  Work function of alloys of Ir with La, Ce, Pr, Nd, and Sm, 24:37563
  Work function of alloys of rhenium with yttrium-group rare earth and gadolinium metals, 22:34761
KULUMBEGASHVILI, V. A. Precipitation of Zr by means of tartrazine and its separation from Fe, Ti, Al, and rare earths, 24:39004
  Use of N-cinnamoylphenylhydroxylamine in analytical chemistry. II, 25:46429
  Use of n-cinnamoylphenylhydroxylamine in analytical chemistry. III, 25:48450
KULUNDZIC, Predrag Interests of the Yugoslav industrial and designing organizations in the production of nuclear energy in Yugoslavia, 21:15696
KULUS, E. Concentration and determination of rare earth impurities in an yttrium matrix, 25:54525
KULUS, Eva Concentration and determination of rare earth impurities in yttrium matrix, 23:17364
KULUVA, N. M. Densities and speeds in an arc-heated supersonic argon beam, 22:19782
KULUVA, Neil M. Supersonic molecular beam and application to molecule—molecule collision, 22:933 (AGARD-CP-12(Vol.1), pp 277-338)
KULUVA, Neil Marshall Arc-heated supersonic beam and application to molecule—molecule collision studies, 22:11232
KULUVE, Neil Marshall Performance of an arc-heated supersonic molecular beam and its application to molecule—molecule collision studies, 22:49983 (N-68-10934)
KUL'VARSKAYA, B. S. Investigation of evaporation velocities of uranium and zirconium carbide cathodes and their solid solutions, 21:20584
  Mechanism of thermoemission from high-melting metal cathodes, 23:25184
KULVER, Sven Isotopic dilution method for direct determination of oxygen in fluorinated organic materials, 24:29209
KULYABICHEV, Yu. P. Scanning of the spark chamber by means of a vidicon, 22:36105
  Use of slow-scan television system in reading out spark chamber data, 21:19921
KULYABKO, P. M. Testing of antiradiation properties of propolis, 22:10791
KULYABKO, P. N. Radioprotective properties of aryl-substituted triazole and tetrazole, 24:7932
KULYAKO, Yu. M. Decomposition of ammonium uranyl pentafluoride on heating, 25:18380
KULYGIN, V. M. An injector of fast hydrogen atoms, 21:27119 (UCRL-Trans-1262)
  Fast hydrogen atom injector, 25:36186 (CTO-746)
  Injector for fast hydrogen atoms. I, 25:35837
  Magnesium vapour neutraliser, 22:24030 (NP-tr-1642)
KULYUKIN, M. M. Highly localized bright tracks in helium-filled streamer chamber, 21:36387
  Highly-localized bright tracks in helium-filled streamer chamber, 21:16139 (JINR-P13-3123)
  Multifilament proportional counter for selecting stopped particles in a thin gas target, 21:39253
  Obtaining highly localized bright tracks in a He-filled streamer chamber, 21:16110 (CONF-660918-, pp 72-4)
  Streamer chamber for registration of stopping of slow mesons, controlled with proportional counter, 22:6648
  Streamer chamber triggered by a proportional counter designed to register stopping mesons, 21:16112 (CONF-660918-, pp 82-4)
  Streamer chamber triggered by proportional counters, 21:8580 (JINR-P13-2998)
  Study of pion capture by ^{3}He. II, 21:9926
KULYUKINA, L. A. Energy spectra and angular correlations of particles in K/sub e 3//sup 0/ decay, 21:2356 (JINR-P-2855)
  Energy spectra and angular correlations of K/sub e3/ decay particles, 21:11733
  Experimental determination of the relative probabilities for various branches of K_2° decay, 21:37672
  Fluctuations of ionization losses (tables), 21:33116 (JINR-P1-3190)
  Quasi-elastic pp-scattering, 21:25422 (JINR-P1-3215)
  Relative probabilities of various modes of K_2° decay, 21:13674 (JINR-P1-3098)
KULZER, H. Conduction-electron density at the nucleus in Sm and Dy metal, 23:5476
KUMA, Shoji Transition temperatures of laminated intermetallic compounds Nb_3Sn and $Nb_3Al_{0.8}Ge_{0.2}$, 23:39432
KUMABE, I. Beam position indicator and stabilizer in a scattering chamber, 21:6225
  Reactions (α,t) on medium-weight nuclei, 22:27025
  Simple control method of beam transport system, 23:8898
KUMABE, Isao Control of beam transport system, 24:20268 (JAERI-1184, pp 7-10)
  Energy spectra of inelastic scattering of 28.4-MeV alpha particles, 21:33985
  Inelastic alpha-particle scattering on ^{63}Cu at 29 MeV, 22:41866
  Kyoto University tandem Van de Graaff, 22:20393
  Measurements of the (α,t) reaction, 23:7246
  Scattering of 34.4-MeV alpha particles by the tin isotopes, 22:39649
  Scattering of alpha particles by medium-weight nuclei, 21:21482 (NSJ-tr-64)
KUMABE, L. Automatic gain control system, 23:43585
KUMADA, T. Method of measuring thermal diffusivity by step-function heating, 23:23238 (AERE-Trans-1102)
KUMADA, Toshiaki Method of measuring thermal diffusivity by heating of step function change, 21:22873
KUMAGAI, A. Compressibility of liquids. II, 24:26899 (UCRL-Trans-10460)
  Compressibility of liquids: compressibility of liquid sulfur dioxide, 25:23484 (SCL-T-71211)
KUMAGAI, Hiroo Cyclotron at present and its future, 25:47998
KUMAGAI, Katsuaki Table of half-life, γ-ray energy, and intensity of radioisotopes, 25:20368 (JAERI-Memo-4189)
  Thermal conductivity of VIPAC UO_2 fuel. II, 25:2813 (JAERI-Memo-4128)
  Vibration of fuel rods in TLG-1-50 In-Pile Gas Loop, 25:51243 (JAERI-13616)
KUMAGAI, Michikazu Axisymmetrical magnetic fields for an accelerator, 23:42803
  Computer method for the analysis of axisymmetrical magnetic fields for an accelerator, 25:50484
KUMAGAI, Momozo Effects of irradiation on eggs of weevil, 23:48195
KUMAGAI, N. Interaction of plane electromagnetic waves with a moving compressible plasma fluid, 23:14849
KUMAHARA, T. General purpose pulse shape discriminating circuit, 23:26615
  Leading-edge time pickoff circuit, 23:11783
KUMAHARA, Tadashi Cooled FET preamplifier for semiconductor detectors, 21:26204
  Nuclear instrument modules at JAERI, 24:16934
KUMAHARA, Yuichi Correlation between human serum and pituitary thyrotropin, 24:7705
  Radioimmunoassay for human thyrotropin, 24:31896
  Symposium on nuclear medicine in internal medicine. II, 24:48633
KUMAIGORODSKAYA, R. N. Analysis of spectra of high-galactic-latitude O stars, 21:37013
  Investigation of the physical conditions in the atmospheres of O stars, 21:16677
KUMAKHOV, M. A. Anisotropic effects in radiation damage of crystals, 23:32563
  Anomalous penetration of charged particles through a crystal, 23:20995
  Dechanneling of ions, 25:1303
  Distribution of radiation defects in silicon irradiated with fast charged particles, 25:43463
  Formation of radiation defects by channeling particles, 23:3611
  High-resistance areas in silicon irradiated with deuterons and α particles, 23:1548
  Increase of the yield in channeling experiments, 24:51801
  Spatial distribution of radiation defects in materials irradiated by beams of monoenergetic particles, 23:51773

KUMAKURA, M. Radiation-induced postpolymerization of trioxane in solid state, 21:43005
KUMAKURA, Minoru Radioinduced polymerization of trioxane, 24:31388
KUMAMARU, Takahiro Neutron-activation analysis of Na in Mn Zn ferrite, 23:13680
KUMAMOTO, Hisashi Low temperature in-pile irradiation facilities, 22:14264
KUMAMOTO, Tetsuzo Amyotrophic lateral sclerosis studies using neutron activation analysis, 23:43651
KUMAMOTO, Tooru Coprecipitation of U(VI) with Fe(III) hydroxide precipitate, 21:12357
KUMAMOTO, Yoshikazu Attenuation of 4 to 32 MV x-rays in ordinary concrete, heavy concrete, Fe, and Pb, 25:25202
  Effects of fast neutrons and ^{60}Co γ-rays on Artemia, 25:26917
  Estimation of gamma-ray dose from neutron-induced radioactivity in Hiroshima and Nagasaki, 24:4247
  Estimation of genetically significant dose equivalent from occupational exposure to external sources of radiation in Japan, 25:55230
  PIG ion source of (^{3}He)$^{++}$ for the van de Graaff accelerator, 22:41910
  Whole-body absorbed dose from x and gamma rays, 25:58004
KUMANO, N. High-resolution scinticamera based on delay-line time conversion, 25:51859
  Multistage image intensifier gamma camera, 23:33468
KUMANO, Nobuo Characteristics of Toshiba gamma camera, 24:31696
  Universal scintiscanner, 23:14018
KUMAO, Akihiro Drops of oxides on tungsten oxide needles and nuclei of dendritic crystals, 25:8859
  Images of thorium atoms in transmission electron microscopy, 25:45609
KUMAR, A. Deuteron width, 22:39704
  Regge poles with kinematic cuts in π N backward scattering, 24:35663
  Tadpole model for nonleptonic decays based on current-algebra and spectral-function sum rules, 22:41792
  Vector-meson dominance and nonleptonic hyperon decays, 22:34933
KUMAR, A. N. Studies of the complex formation between uranium and thiosalicylic acid, 21:23895
KUMAR, Aditya Implications of current algebra for eta decay, 24:1542
KUMAR, Arvind Non-Abelian Compton effect on spin-one targets, 23:7109
  SU(3) breaking and current algebra in nonleptonic hyperon decays, 21:29608
KUMAR, Ashok Neutron-wave propagation in crystalline moderators. IV, 23:44819
KUMAR, Cidambi Krishna Isotopic abundance of Mg in Sun, 25:13904
KUMAR, H. D. Action of mutagenic chemicals on Anacystis nidulans. IV, 24:31921
  Inactivation and killing of blue-green alga Anabaena doliolum grown on ultraviolet-irradiated culture medium, 23:45958
  Postirradiation modification of ultraviolet-sensitivity of normal and nitrofurazone-resistant strains of the blue—green alga Anacystis nidulans, 23:33905
KUMAR, I. Preparation of samples for liquid scintillation analysis of tritiated water in biological material, 23:2239
KUMAR, J. Electron microscope observations on thin films of samarium, 24:10090
  Mechanical twinning in gadolinium, 22:52208
  Void formation due to thermal diffusion in samarium, 24:23494
KUMAR, Jitendra Study of oxidation of ytterbium and holmium thin films in the electron microscope, 25:4767
KUMAR, K. Adaptation of the core-quasi-particle coupling model for neutron cross-section generation and analysis, 24:33122
  Collective treatment of pairing Hamiltonian. I, 24:30919
  Pairing-plus-quadrupole model calculations for W, Os, and Pt nuclei, 21:4345
  Radial dependence of the quadrupole force, 24:38372
  Signs of E2, M1 transition matrix elements of the W, Os, and Pt nuclei, 23:23729
  Transport coefficients for a multicomponent mixture of ionized gases, 24:51679
KUMAR, K. S. Effect of AET on acetate-1-^{14}C incorporation into tissue lipids of irradiated rats, 23:6552
KUMAR, Kailash Chapman—Enskog solution of the Boltzmann equation, 21:33568
KUMAR, Krishna Collective potential energy and shape fluctuations of even nuclei. I, 21:10113
  Competition between prolate and oblate shapes in the A = 190 region, 24:43519
  Complete numerical solution of Bohr's collective Hamiltonian, 21:10114
  New aspects of intermediate nuclei, 25:28316 (CERN-70-30(Vol.2), pp 779-812)
  Nuclear collective Hamiltonian and deformations, 24:24660
  Nuclear deformations in pairing-plus-quadrupole model. V, 23:7314
  Nuclear deformations in pairing-plus-quadrupole model. IV, 23:7353
  Nuclear deformations in the pairing-plus-quadrupole model. III, 22:20692
  Nuclear deformations in the pairing-plus-quadrupole model. II, 22:20691
  Pairing-plus-quadrupole model calculation of band-mixing anomalies in ^{152}Sm, 25:17913
  Prolate—oblate difference, 24:24632
  Solution of Bohr's collective Hamiltonian, 21:596 (AD-635618)
  Static quadrupole moment of vibrational even nuclei and the coupling scheme for odd nuclei, 22:5858
KUMAR, L. Coulomb T matrix and electron capture by protons passing through hydrogen, 24:23797
  X-ray study of cold worked bcc tantalum—niobium and tantalum—molybdenum alloys, 25:24593 (INIS-mf-17)
KUMAR, L. S. S. Genotypic control of response to radiation of Eleusine coracana, 25:39964
KUMAR, Lalit Coulomb T-matrix and electron capture by protons passing through hydrogen, 25:24907
  X-ray study of cold worked bcc tantalum—niobium and tantalum—molybdenum alloys, 25:45087
KUMAR, M. M. Curious property of conformally related space—times, 24:26499
  Discontinuity of first derivatives of metric tensor and Mach's principle, 24:52202
  Significant conformal metrics, 23:49206
KUMAR, N. Optical absorption and electrical conduction in KBr crystals containing diffused Mg, 25:9570
  Oxygen-18 nuclear spectra with soft core potential, 21:15488 (CONF-660221-, pp 161-5)
  Possibility of photoinduced superconductivity, 22:48060
  Role of zero-point energy in evolutionary cosmology, 23:22861
  Search for the lowest T = 2 state of ^{8}Be, 24:1754
  States of ^{8}Be from analysis of ^{7}Li(p,α)^{4}He reaction data, 25:43829
  Theoretical model of pulsating neutron stars (pulsars), 24:1184
  Theory of impurity enhancement of superconductive transition temperature in dilute alloys, 25:1114
  Zero-point energy and continuous creation of matter, 23:39285
KUMAR, N. Rana Spin of the 413-keV state in ^{147}Pm, 22:9879
KUMAR, Narayan Pyridine-2-aldoxime and 6-methylpyridine-2-aldoxime as gravimetric reagents for estimation of Pd(II) and U(VI), 25:2072
KUMAR, Narendra Alkali halide thermoluminescent dosimeters, 25:448
KUMAR, Naresh Effective nuclear interactions and level properties for the lighter nuclei in the 1p-shell, 25:28452 (NP-18717)
  Nuclear spectroscopic calculations without repulsive core effects, 21:7757
  Soft core potential and shell model of ^{50}Ti, 22:3682
KUMAR, R. Cost of heavy water production by using bitterns water, 22:6518
  Reaction π^-p $\rightarrow$ eta^{0}n in the new interference model, 25:47869
  Structure of liquid cadmium—antimony alloys, 25:29896
KUMAR, Rajendra Covariant phase-space calculations of n-body decay and production processes, 24:8578
  Covariant phase-space calculations of n-body decay and production processes. II, 25:3303
  Dynamics of the weak interaction ΛN = NN, 21:5376
  Influence of liquidus on the stability of liquid eutectic systems, 25:37969
  Influence of temperature on ion-exchange properties of stannic arsenate, 25:21103
  Nonleptonic weak interactions in a tadpole model, 24:8613
KUMAR, S. Researches on ceramic materials in india, 25:27281 (INIS-mf-13)
KUMAR, S. P. Normal coordinate treatment of molecules HNO$_3$ and DNO$_3$, 23:47432
KUMAR, S. S. Ferrous sulfate dosimetry in heavy water, 22:2429
  Model atmospheres for late-type stars, 22:24000
  Planetary companions as late-type stars, 22:24003
KUMAR, S. V. Use of trilauryl amine as an extracting agent for Pu(IV), 24:46297 (BARC-476)
KUMAR, Sampath Sadhu Chemical effects of radiation in benzene—bromobenzene solutions, 25:18451
KUMAR, Santosh Fermi surface and energy bands of lanthanum, 25:43500
  Nonrelativistic energy bands of double hexagonal close-packed lanthanum, 25:36352
KUMAR, Satinder Calculation of charge and current pulses in planar and coaxial Ge-(Li) detectors, 25:10821
KUMAR, Satish Energy levels in the statistical atom with exchange and correlation, 21:31205
  Ground-state of interacting bosons, 21:21148
  Periodic features of the statistical atom with exchange and correlation, 22:21855
  Some applications of Csavinskys' solution of T—F equation, 24:23821
  System of bosons with attractive interactions, 21:43988
  System of bosons with attractive interactions. II, 24:23911
KUMAR, Shiv S. Axial rotation of late-type dwarfs, 21:24876
  Conference on low-luminosity stars, Charlottesville, Va., 3/68, 24:8245
  Low-mass companions of stars in solar neighborhood, 24:21462
  Model atmospheres for degenerate stars, 24:51244 (AD-708452)
KUMAR, Ss. Rakesh Operating experience of Zerlina Reactor with epoxy coated mild steel square box, 24:13589 (BARC-399)
KUMAR, Sudhir Effect of gibberellic acid on gamma irradiated barley seeds, 25:4490
KUMAR, Sushil Factors affecting induction of chromosome aberrations by radiation, 22:14984
KUMAR, V. Detection and location of an atmospheric nuclear explosion by microbarograph arrays, 24:14114
  Kinetics of radiation polymerization of vinyl benzoate, 25:153
KUMAR, V. R. Jagath Latitude variation of times of maximum h'F and spread F occurrences, 22:46011
  Relation between magnetic activity and spread-F at Kodaikanal, 22:22029
KUMAR, Vijai Laminar hydromagnetic flow in annular region between two coaxial rotating circular cylinders, 22:52610
KUMAR, Vijay Level structure of ^{210}Pb, 21:10012
  Rate constants of reactions of photogenerated solvated electrons with monomers, 25:57475
KUMAR, Virendra Synthesis and ion-exchange characteristics of titanium antimonates, 24:36366
KUMARI, Sudesh Electron temperature dependence of F-region absorption, 25:49813
KUMASAWA, Toshihiko Statistical observations on clinical examinations of atomic bomb survivors. III, 22:15046
KUMATORI, T. Protection of thyroid gland and total body from radiation, 23:24694
KUMATORI, Toshiyuki Changes in blycolysis of rat thymocytes after a whole body x-irradiation, 24:4570
  Changes in glycolysis of rat thymocytes after a whole-body x-irradiation, 24:4565
  Chromosome studies on Japanese exposed to radiation, 22:28574
  Fishermen exposed to fallout in 1954, 24:34564
  Hematological effects on heavily irradiated Japanese fishermen, 25:42681
  Mechanism of hematopoietic recovery in the x-irradiated mouse with spleen or one leg shielded, 22:578
  Polyploid cells in human leukocytes following in vivo and in vitro irradiation, 21:22733
  Radiation effects in exposed islanders, 22:10818
  X-irradiation effects on glycolysis of rat thymocytes, 22:45431
KUMATORI, Tosiyuki Leukemia chromosomes in subjects exposed to ionizing radiation, 22:15087
KUMBARACI, T. Statistical applications seminars, 1970—71, 25:1979 (BNL-15180)
KUMBARACI, Turkan E. Statistical notions, 25:1978 (BNL-15158)
KUMBARTZKI, G. Magnetic properties of [624] 9/2 rotational band in ^{177}Hf, 23:23691
KUMBARTZKI, G. J. Photospallation of medium-heavy elements with bremsstrahlung of maximum energies between 0.8 and 2.1 GeV, 25:14977
KUMBHARE, Prabha Electron tunneling in superconducting Cd/Al$_2$O$_3$/Al junctions, 23:27598
KUMBHARE, Prabha Ramchandra Electron tunneling in superconducting Cd/Al$_2$O$_3$/Al junctions, 22:24232
KUMBIER, Larry G. Bibliography on regulations, standards, and guides pertaining to medical and dental radiation protection, 23:38611 (PHS-999-RH-37)
KUME, G. A. Theory of sunrise effects in lower ionosphere, 24:39965
KUME, Ryoichi Electroslag welding of ASTM.A 302 B heavy steel plate for reactor pressure vessels, 21:26771
KUME, S. Excitation functions for the deuteron induced reactions, 22:7701 (OU-LNS-67-10)
KUME, Sanshiro Chemical separation in an isotope separation on-line (ISOL) system, 25:57481 (KURRI-TR-76, pp 8-14)
KUMENO, Kozo Design problems of nuclear steam turbines, 21:41078
  Problems in the manufacture of large-capacity nuclear turbines, 25:32104
  Some problems on manufacturing for large nuclear steam turbines, 25:15822
  Turbine 138600 KW for nuclear power plant, 23:9105
KUMER, J. B. Helium I 584-A dayglow radiation between 400 and 1000 km, 25:11789
KUMER, John Berg Vertical distribution of He and supporting radiative transfer theory, 25:7222
KUMMER, H. Effect of dextran and gelatin during postirradiation thrombocytopenia in dogs, 24:34423
  Influence of dextran and gelatin on irradiated, thrombocytopenic dogs, 23:26829
  Survival of platelets in lethally irradiated dog, 24:44601
  System consisting of identical quantum-mechanical particles, 24:26350
KUMMER, J. Energy dependence of electron collision frequency on electrical conductivity of weakly ionized plasmas, 25:14308
KUMMER, J. T. Studies of surface reactions of NO by isotope labeling. II. Deuterium kinetic isotope effect in the ammonia—nitric oxide reaction on a supported platinum catalyst, 25:29063
KUMMER, Joseph T. Ranges of recoil atoms from the (n,γ) process, 25:56269
KUMMER, K. Determination of tritium-labelled compounds on thin-layer chromatograms, 21:5791
KUMMER, M. How to avoid secular terms in classical and quantum mechanics, 25:36376
KUMMER, P. S. Electroproduction of single positive pions above the resonance region, 25:40864
KUMMER, W. Anomalies in Ward identities, 25:20070
  Hard-pion technique for the axial vector current in the decay $\pi \rightarrow e\tau\gamma$, 24:15532
  Interpretation of anomalies in Ward identities, 25:59572
  Muon structure from scattering on polarized protons, 21:44345
  Relations for semileptonic weak interactions involving photons, 24:28530
  Representations of the strong coupling group, 22:5627
  SU(6) estimate of the effective nonleptonic parity-violating coupling, 23:34634
  Symmetry breaking in photonic matrix elements and the weak vector current, 24:28579
  The vector current in radiative weak processes, 22:34934
  Zero mass theorems and analytic continuation, 23:34556
KUMMER, Wolfgang High-energy μ—p scattering and muon interactions, 23:34613
  Introduction to Regge poles, 21:7575
KUMMERER, K. Carbide fuels for fast breeder reactors, 24:38542 (EURFNR-722)
  Carbide type fuel for fast breeder reactors, 24:17226 (KFK-1111)
  Central station fast breeder reactor plutonium fuel requirements, 22:7804 (EURFNR-422)
  Conference on fast reactor fuel and fuel elements, Karlsruhe, Ger., 9/70, 25:48353
  Development of a fast reactor fuel element, 21:35572 (EURFNR-312)
  Development of fuel elements for fast breeder reactors, 22:53273 (EURFNR-472)

- Fuel element development as physical-technical problem, 22:33092 (KFK-700(Pt. I))
- Irradiation behavior of fast reactor fuel pins and their components, 25:54086 (A/CONF.49/P-392)
- Irradiation performance of fast reactor fuels, 22:8845 (EURFNR-423)
- Practical results on fast reactor oxide fuel pin development and modeling activities, 25:34367
- Production cost parameter analysis for fast reactor fuel elements, 21:35573 (EURFNR-313)
- Specifications for fuel irradiation experiments in EFFBR, 21:42727 (KFK-586)
- Stress of the fuel rod can in fast breeder reactors, 24:9988 (KFK-985, pp 1-16)
- Theoretical equations for fuel element design and costs, 22:33097 (KFK-700(Pt. XIII))
- Thermal creep of UO_2 and UO_2—PuO_2, 25:47158
- Thermal creep of UO_2 and UO_2—PuO_2 at high temperatures, 25:24638
- Third Foratom Congress, London. Industrial Aspects of a Fast Breeder Reactor Program. German contributions to Sessions I, II, III, IV, VI, 21:30136 (EURFNR-287)
- KUMMERER, Karl Fuels for nuclear reactors, 23:43120
- KUMMERLE, E. R. Conceptual design of a boiling water reactor plant to resist ground fault displacement, 22:39786 (TID-24530)
- KUMOK, L. M. Structural changes produced by oxidation of Cr—Y alloys, 23:8124
- KUMOK, V. N. Pyrophosphates of Th and U(IV), 22:27691
  - Stability of complexes of thorium and uranium(IV) with anions of dicarboxylic acids, 24:38839
  - Thorium citrate, 22:10229
- KUMP, P. Lifetime measurements on neutron deficient even—even isotopes of Xe and Ba, 25:28319 (CERN-70-30(Vol.2), pp 905-10)
- KUMPF, H. Centering device for nuclear reactor loading machines, 25:60254
  - Determination of the neutron—neutron scattering length from a kinematically complete experiment with the reaction ^{3}H(t,n^{4}He)n, 25:59506 (JINR-E15-5905)
  - Device for changing the core position of nuclear reactor fuel rods, 22:1904
  - Device for loading atomic reactors, 21:23780
  - Fuel element for nuclear reactors, 24:38644
  - Measurements 2D of the reaction H(d,2p)n at 14 MeV, 23:25808
  - Steam generating assembly for use in the interior of a pressure vessel of a pressurized water nuclear reactor, 25:28751
  - Three particle reaction H(d,2p)n at 14 MeV, 23:21239 (ZFK-130, pp 209-10)
  - Two-dimensional measurements of the deuteron break-up by protons at E/sub d/ = 14 MeV, 23:3933
- KUMPF, S. Reactivity calibration by a digital analysis of flux transients, 22:35681
- KUMPF, U. Magnetization curves for Type-II superconductors with small Ginzburg—Landau parameters, 25:30418
- KUMSISHVILI, Ia. I. Brightness of binary system AX Monocerotis, 25:30056
- KUMTA, U. S. Chemical and physical changes in irradiated and frozen Bombay duck, 25:13618
  - Dehydro-irradiation process for tropical shrimps, 25:8820
  - Development of a radiation process for some Indian fruits: mangoes and sapodillas, 21:16555
  - Food irradiation research in India, 21:26727
  - Nuclear methods of reducing food losses, 25:52284 (A/CONF.49/P-740)
  - Preservation by γ radiation of Bombay duck, shrimps, and white pomfrets, 25:24501
  - Preservation of cheese with combined use of gamma rays and sorbic acid, 21:14784
  - Preservation of sea foods by radio-pasteurization, 23:35967
  - Radiation pasteurization of fresh and blanched tropical shrimps, 25:13619
  - Radiation pasteurization of tropical fish, 22:4722
  - Radiation sensitivity and biochemical characteristics of microflora of Bombay duck (Harpodon nehereus), 25:19163
  - Radiation sensitivity of plant pigments. II, 24:48417
  - Radiation sensitivity of plant pigments. I, 25:4467
  - Radiation sensitivity studies of plant pigments. III, 25:504
  - Selective control of spoilage microflora in sea foods, 23:35974
  - Spoilage units of radurized Bombay duck (Harpodon nehereus), 25:52287
  - Textural stability of irradiated Bombay duck, 24:23414
  - Use of gamma irradiation and sorbic acid for preservation of Khoa, 22:43502
- KUN, Heng Yehn Linear gating circuit for microsecond pulses, 22:6683
- KUN, K. Measuring projector for the treatment of photographs from bubble chambers, 23:2650
- KUN, Lin-ing Gold—silicon surface barrier detector. II, 24:31711
- KUNA, P. Cardiovascular changes in experimental radiation disease, 25:58122
  - Changes of heart frequency and blood pressure in rabbits after application of cystamine, aminoethylisothiouronium bromide hydrobromide, and of their mixture in radioprotective doses, 25:26794
  - Heart rate, mean arterial pressure, and respiratory frequency after zirconium citrate administration in irradiated and non-irradiated rabbits, 25:11289
  - Pharmacological effects of radioprotective agents, 23:33742
  - Postirradiation weight changes of submandibular glands, 25:24422
  - Uptake of ^{32}P in myocardium, 25:24219
- KUNA, Pavel Changes of heart excitability following AET, 24:7935
- KUNAKOV, Ya. N. Diffusion study in V—Ga and Nb—Al systems with electron-probe microanalyzer, 25:16525
  - Effect of microinhomogeneity on the critical points of superconducting alloys, 21:25089
  - Investigation of compounds in the niobium—tin system obtained by means of diffusion, 25:36045
  - Niobium microwire for superconducting materials, 21:16577
  - Obtaining the superconducting compound V_3Ga by means of diffusion, 25:36043
- KUNC, Jozef Ionization of atomic H by electron impact: numerical calculations for free-fall atomic model, 25:55836 (INR-P-1327)
- KUNCHENKO, V. V. Influence of condition of impurities on strain orientation in low-alloyed alpha uranium, 22:36490 (JPRS-45470)
  - Nature of quenched uranium texture, 24:4810
  - Radiation-induced growth of quenched uranium, 23:27138
  - Texture distribution along cross section of alpha- and gamma-deformed and quenched uranium rods, 21:9193
- KUNCHEV, P. Behavior of Cepheid variables in color—color diagram, 23:18302
- KUNCHULIYA, E. D. Anomalous changes of some properties of boron, 24:25051
- KUNCIR, J. Analytical possibilities of reactor neutron activation method in nondestructive analysis of meteorites, 25:31860
  - Determination of Re and other trace elements in molybdenites by activation analysis, 24:25023
  - Nondestructive neutron activation analysis of mineral materials. I, 24:22606 (UJV-2319-Ch)
- KUNCL, L. G. Evaluation of magnetic pulse forming as a joint fabrication technique for CP-5 fuel elements, 22:202 (ANL-7343)
- KUNCL, Larry G. Cherenkov counter for detecting fission products in reactor water, 21:35616
- KUNCOVA, V. Resolution of ^{90}Sr and ^{89}Sr nuclides by measuring their activity. I, 23:19664
- KUNCOVA, Vlasta Recognition of the fragment nuclides ^{90}Sr and ^{89}Sr on the basis of radioactivity. II, 25:54803
- KUND, G. G. Causes of error in spectral isotopic analysis, 24:5591
- KUNDE, Virgil G. Opacity-probability distribution functions for carbon monoxide at elevated temperatures, 24:8256
  - Theoretical molecular line absorption of CO in late-type atmospheres, 22:43773
- KUNDEL, Harold L. Hepatic lesions produced by 32 and 55 MeV proton irradiation, 21:22702
- KUNDIG, K. J. A. Anodic treatment to improve the liquid zinc corrosion resistance of tantalum, 25:2630
- KUNDIG, Walter Moessbauer spectra of ^{57}Fe in superparamagnetic nickel, 22:17765
  - Moessbauer studies of nickel oxide: bulk material and ultrafine particles, 22:20082
- KUNDSIN, Ruth B. Aerosols of mycoplasmas, L forms, and bacteria and lethality of ultraviolet radiation, 22:23684
- KUNDT, Wolfgang Classical statistics as a limiting case of quantum statistics, 22:5481
  - Nonexistence of trouser-worlds, 21:17010
  - Recent progress in cosmology, 23:48697
  - Survey of cosmology, 25:52592
- KUNDU, K. P. Radiation chemistry of aqueous solutions of ferric ethylenediamine tetraacetate, 25:46514
- KUNDU, M. R. Brightness and polarization structure of three supernova remnants at 6- and 11-centimeter wavelengths, 25:865
  - Galactic sources W 51 and W 44, 21:20658
  - Lunar occultation of a solar active region at 4-cm wavelength, 22:21786
  - Polarization of Cygnus Loop at 11-cm wavelength, 24:4921
  - Polarization of the supernova remnant HB 21 at a wavelength of 6 centimeters, 25:24760
  - Polarization of Tycho's supernova remnant at 2.8 cm, 25:9073
  - Polarized brightness distributions of supernova remnants IC 443 and W44, 23:20604
  - Positions and motions of solar bursts at decameter wavelengths, 25:7082
  - Possible interpretation of pulses from a radio source, 22:38673
  - Radio spectra of the nebula IC443, 22:43823
  - Slowly varying component and bursts at 612 Mc/s, 23:36435
  - Solar active regions at millimeter wavelengths, 24:44915
  - Study of the Cygnus Loop at 430, 195, and 41 MHz, 21:43717
- KUNDU, Nityananda Studies on coagulation and electrical properties of Th ferrocyanide, Th succinate, and Co ferrocyanide hydrosols, 21:1343
- KUNDU, S. K. Amplitude parity and X^0 meson, 22:44419
  - Photodisintegration of ^{3}He, 25:48018
  - Photodisintegration of ^{4}He, 25:5544
- KUNER, S. Use of radionuclide batteries to power electric and electronic clocks, 21:26094
- KUNERT, J. Content (^{90}Sr) of soil and plants, German Democratic Republic, 1965, 21:41398 (SZS-5/67)
  - Environmental monitoring of nuclear establishments, 23:465
  - Fallout radioactivity surveillance of waters in German Democratic Republic, 1961—68, 24:27221 (SZS-19/69)
  - Radioinduced mutations in dermatophytes. II, 22:31028
  - Radioinduced mutations in dermatophytes. I, 22:45474
  - Radioinduced mutations in dermatophytes. III, 23:26733
  - Strontium-90 contamination of soil and plants on the territory of the G.D.R. in 1964 and 1965, 22:12856
  - Strontium-90 in fallout, soil, and plants, 21:28502
- KUNERT, K. List of TR4 codes, 21:25616 (BMwF-FBK-67-06)
- KUNES, J. Temperature conditions in the support skirt of a nuclear reactor pressure vessel, 23:49524 (ZJE-46)
  - Thermal conductivity of the support skirt of the nuclear reactor pressure vessel, 22:1829
  - Thermal stresses in reactor outlet piping transition part under thermal shocks, 25:39640 (ZJE-67)
- KUNES, Josef Thermal stresses of transient parts of the reactor outlet tubing in the case of thermal shocks, 23:13516
- KUNETSOV, N. N. One-dimensional flow of conducting gas in a magnetohydrodynamic gun, 23:18496
- KUNEV, Dinko Recovery of tellurium from sulphate solutions by extraction, 25:2321
- KUNFT, H.-D. Diagnosis of specific tumors by brain scintigraphy experience with RIHSA, 24:36792
- KUNG, Albert Temperature dependence of magnetic field at vortex center in V by NMR, 24:51585
- KUNG, Chen-ching Effect of temperature and dose on radiation oxidation of isooctane (2,2,4-trimethylpentane), 21:109
- KUNG, H. H. Multipion resonances at 1630 and 1720 MeV in high-energy $\pi^{+}p$ collisions, 22:44329 (UR-875-248)
  - Observation of multipion resonances at 1630 and 1720 MeV in high-energy $\pi^{+}p$ collision, 22:22323
  - Production of neutral A_1 meson in reaction $\pi^{+} + p \rightarrow N^{*++} + \pi^{+} + \pi^{-} + \pi^{0}$, 21:37709
- KUNG, H. W. Level structure of ^{43}Sc and odd-mass Ca isotopes with reaction matrix elements, 24:43468
  - Nuclear-structure calculations for ^{59}Cu, 25:12451
  - Reaction matrix elements and structure calculations with the Yale and Reid potentials for the Ni region, 25:56857
- KUNG, Hsiang-chin Positron decay of ^{147}Eu, 21:2740
  - Positrons in ^{147}Gd decay, 21:2741
- KUNG, Huai Han $\pi^{+}p$ interaction at 8.5 GeV/c, 23:51858 (NEVIS-171)
- KUNG, I-hung Some early effects of x-irradiation in the ultrastructure of mouse liver cells, 21:1829
- KUNG, Patrick C. Ultrastructure of brain tumors and uptake of ^{203}Hg—chlormerodrin, 24:29793
- KUNG, T. D. Gamma-ray induced polymerization of unsaturated polyester in red mud, 24:13935
- KUNI, H. Analogue handling of scintigraphic data, 23:33427
  - In vitro diagnosis with radionuclides, 23:5000
  - Method of clearance investigation with ^{51}Cr EDTA at decreasing plasma concentration, 24:4648 (LIB/Trans-231)
  - Results and importance of quantitative blood flow measurements through parabiotic tissue connections, 25:10915
  - Simultaneous function diagnostics with radionuclides, 22:38393
  - Slope-clearance examinations with ^{51}Cr-EDTA, 22:460
  - System LB910: a combination program for nuclear medicine, 24:771
- KUNICHI-GOLDFINGER, Wladyslaw J. H. Conjugation and recombination in bacteria. VII, 24:31906
  - Genophore replication in E. coli K-12, 24:9821
- KUNICKI-GOLDFINGER, Wladyslaw J. H. Mechanism of conjugation and recombination in bacteria. II, 23:10122
  - Mechanism of conjugation and recombination in bacteria. IX, 25:10946
  - Uv-induced mutations in synchronized cultures of E. coli K-12, 21:10836
- KUNIEDA, Shunsuke Blocking of plasma stream by transverse magnetic field, 25:22511
- KUNIEDA, T. Incorporation of tritium into irradiated nucleotides, 23:7964
- KUNII, Tosiyasu L. Quark—molecule calculations, 25:59344
- KUNIKANE, Makoto Effects of γ-rays on poly-L-glutamic acid and poly-D,L-glutamic acid in solid state, 25:32004
- KUNIKE, M. Charge exchange between a negative ion and high-energy proton, 25:27456
- KUNIMASA, Tosaku Generalization of the Stueckelberg formalism to the massive Yang—Mills field, 21:27428
  - Two-body weak-electromagnetic hyperon decays, 25:12169
- KUNIN, L. L. Impregnation of metalloceramic bodies, 23:27079
  - Purification of samples from surface impurities for γ-activation determination of O, N, and C in alkaline and alkaline-earth metals, 25:51418
  - Radioactivation method for determining O in solid substances, 25:48494
  - Separation of the ^{15}O isotope in pure materials, 24:4252
  - Sources of errors of vacuum-fusion method during determination of O in Nb, 23:15788
- KUNIN, P. E. Effective potential method for calculating wavefunctions of monovalent atoms and their isoelectronic sequences, 22:9037
- KUNIN, Robert Ion exchange resins for uranium hydrometallurgy, 23:35281
  - Ion exchange, 22:25307
- KUNINA, E. M. Problem of atomization of liquid by high-velocity gas stream, 25:15418 (ANL-Trans-871)
- KUNIOKA, Akio Electrical and optical properties of sputtered CdO films, 23:42488
- KUNISADA, Mineo Experimental studies on leukemogenesis in mice. II, 21:6621
- KUNISHI, H. M. Adsorption of calcium and strontium by crandallite, 22:37859
- KUNITA, Masanori Josephson current limited by self field, 22:17560
  - Magnetic-field dependence of Josephson current modified by self-field, 23:3410
  - Properties of superconducting thin tin films, 22:52717
- KUNITAKE, Toyoki Polymerization of aromatic aldehydes. II, 23:28882
  - Studies on polymers from cyclic dienes. VI, 22:8115
- KUNITOMI, N. Critical magnetic scattering of neutrons in chromium, 22:24814

KUNITSKII, Yu. A. Electrode effects in a cesium discharge, 25:47528
  Emissivity of diborides of transition metals from Groups IV—VI, 25:27290
KUNITSYN, G. A. Determining the main dimensions of electromagnets in Fe-free, high-current betatrons, 25:1683
KUNIYOSHI, S. Photofission cross sections of uranium and thorium near threshold, 25:20366 (IEA-211)
KUNKEL, George Localized radiation hepatitis as demonstrated by scintillation scanning, 21:41514
KUNKEL, H. Interrelationships between aphids and host-plants, 24:31827
  Measuring radioactivity exposure through food, 22:28524
KUNKEL, N. D. Whole body ^{137}Cs and its relation to body composition and diet, 23:31728
KUNKEL, P. Bubble density and growth of bubbles in propane, 22:12629 (CERN-67-26(Vol.2), pp 405-12)
  Bubble density and operating region of a pressure stabilized propane bubble chamber, 21:19912
  Experimental investigation of the growth of bubbles in a bubble chamber, 23:2654
KUNKEL, R. Simultaneous determination of total potassium and exchangeable sodium in man, 25:10920
  Thyroid diagnosis with a whole-body counter in children, 25:11172
KUNKEL, R. E. Electrolytes content in man, 23:50254
KUNKEL, Robert Irradiation effect on cognitive and emotional processes, 24:17159
KUNKEL, W. Optical search for x-ray sources GX3 + 1, GX5 - 1, GX9 + 1, and GX17 + 2, 24:46923
  Spectrum of central star in NGC 5189, 22:36675
  Spectrum of ultraviolet object in Sagittarius, 22:36683
KUNKEL, W. B. Large-area high-current ion source, 25:56212 (LBL-35)
  Velocity determination by measurement of induced potential in nonuniform plasma flow, 23:18597 (AD-671493)
KUNKEL, W. E. X-ray emission from Scorpius X-1, 24:23643
KUNKEL, W. P. Fission-product deposition in a fast-breeder reactor system containing failed fuel elements, 22:6020
  Fuel failure detection capability at SEFOR, 25:41442
  LMFBR fission product contamination and control studies, 22:39734 (AI-AEC-12687)
KUNKEL, William E. Existence of an upper limit in the activity of solar neighborhood flare stars, 25:11575
  Large flare on YZ Canis Minoris, 23:34150
  Spectra of stellar flares, 24:42315
  Two-color composite photographs of Magellanic Clouds, 23:51319
KUNKEL, William Eckart Optical study of stellar flares, 22:13209
KUNKEL, Wulf B. Energy flux in incompressible magnetohydrodynamic plane waves, 25:27487
  Formative time for breakdown in strong crossed fields, 22:26435
  Formative time of crossed-field breakdown, 21:31425 (UCRL-17448)
  Introduction to plasma physics, 21:9596
  Laboratory plasma production, 21:9618
  Plasma physics in theory and application, 21:9610
  Response of a Langmuir probe in a strong magnetic field, 25:40597
  Role of end regions in the steady state of mirror-confined plasmas, 25:17128
  Tubular pinch and tearing instability, 23:48923
KUNKEL WULF B. Determination of neutral-atom density in a highly ionized decaying hydrogen plasma, 22:36892
KUNKIN, William Space—temperature correlations in quantum statistical mechanics, 21:35235 (NYO-1480-74)
KUNKLER, J. L. Measurement of atmospheric pressure and subsurface-gas pressure in unsaturated zone of Baandelier Tuff, Los Alamos, New Mexico, 24:14066
KUNKLER, P. B. Hyperbaric O in radiotherapy of head and neck carcinoma, 24:48643
  Radiotherapy of anal carcinoma, 22:51845
KUNNMANN, W. Electrolytic separation of transition metal oxide crystals, 22:27734
KUNO, H. Uranium and thorium contents in ultrabasic rocks, 21:41043
KUNO, Katsuji Effects of IAA, TIBA, and x-ray irradiation on abnormal spikelets in paddy rice, 23:12239 (NSJ-tr-139)
  Studies on effects of IAA, TIBA, and x-ray irradiation on appearance of abnormal spikelets in a special variety of paddy rice "Akaho", 22:17005
KUNO, Keijiro Osteogenic sarcoma secondary to irradiation, 24:2824
KUNO, Kiyoshi Assignment of the methylene proton signals and estimation of the meso-to racemic methylene ratios in polyacrylonitriles, 21:38975
KUNOW, H. Data compression method for cosmic ray experiment, 25:431
KUNSELMAN, A. R. 2s atomic level in muonic ^{140}Ce, 25:1743
  5g → 4f pionic transition in ^{232}Th and ^{238}U, 25:49728 (N-71-16053)
  Muonic interactions ^{64}Zn and ^{66}Zn, 25:7820 (N-70-28737)
KUNSELMAN, Arthur Raymond Pionic atoms, 23:25135 (UCRL-18654)
  Pionic atoms, 24:49011
KUNSELMAN, R. Kaon mass measurement from kaonic atom x-ray energies, 25:28031
  Solid-state effects in pionic atoms, 24:25985
KUNSELMAN, Raymond Higher transitions in π-mesonic atoms, 21:3657
  Kaon mass measurement from kaonic atom x rays, 23:51859 (UCRL-19251)
  Kaon mass measurement from kaonic atom x rays, 24:47383 (CONF-690557-(Vol.2), pp 889-95)
  Measurements of kaonic x rays of medium and heavy elements, 23:47045 (UCRL-18891)
  Measurements of kaonic x rays of medium and heavy elements, 24:47011 (CONF-690557-(Vol.2), pp 669-93)
  Pionic atom 3d—2p line shift and width for ^{40}Ca and ^{48}Ca and neutron distribution, 24:30749
KUNST, B. Nuclear power operated de-salination of sea water under nominal and partial load conditions, 25:60201
  Optimal steam operating temperature on coupling of multistage flash evaporation plants, 23:21540
  Optimum brine temperature in nuclear and fuel-operated power plants, 23:49636
KUNSTADT, J. First case of intrauterine encephalopathy caused by irradiation, 21:6642
KUNSTMAN, V. G. Magnetic field meter automatically adjusted to the measured field, 21:6360
KUNSTREICH, S. Anisotropy of electron energy loss spectra in anthracene single crystals, 24:3145
KUNSTYR, I. Changes in the mitotic activity of the epithelium of the small intestine of piglets after whole-body irradiation with x-rays, 23:35885
  Passive immunization following irradiation, 22:51479
  Studies of penetration of microbes from intestines into organism of irradiated dogs, 22:52006
KUNSTYR, Ivo Changes of drug resistance of coliform fecal microflora in pigs after total-body x-irradiation, 22:43489
KUNSZT, Z. Atmospheric neutrinos and the properties of the neutrino interactions at high energies, 24:35636 (JINR-E2-5092)
  Deep inelastic electroproduction of hadrons on a photon target, 25:59333 (JINR-E2-6036)
  Negative parity baryon resonances in SU(6) symmetry, 23:18950
  Photon—photon scattering with colliding e^+e^- beams. I, 24:52000 (JINR-E2-5347)
  Resonant scattering of light by light, 25:14596 (JINR-E2-5424)
  Review of current algebra results in the weak decays of the metastable hadrons, 23:44631
  W production in nucleon—nucleon collisions, 25:33594 (JINR-E2-5748)
  Weak decays of the metastable hadrons, 23:44641
KUNSZT, Zoltan Elementary particles. II, 22:48247
  Elementary particles, 1968. I, 22:41763
  Meson and baryon resonances, scattering amplitudes, 23:5595
KUNT, Sinan Theoretical studies of hot-atom reactions. II. Yields for exchange reactions of hot tritium atoms with hydrogen and deuterium molecules: simple models for nonreactive scattering, 24:31305
KUNTE, P. K. Balloon-borne instrument for studying x-ray sources in 15- to 150-keV range, 25:35014
  East-west and north-south asymmetries of primary cosmic radiation, 21:3714
  Electronic elimination of radiation pick-up due to spark chamber discharges, 23:26545
  Intensity of high-energy x rays from Sco X-1, 24:1159
  Orientation system for balloon-borne payloads, 25:18677
  Re-entrant albedo flux over Hyderabad, 23:44206
  Thin large area plastic scintillation counter for the study of primary cosmic rays, 22:43056
KUNTMAN, D. Spatial variations of ionospheric height at middle latitudes, 21:13442
KUNTMAN, Daryal Determination of mean ionospheric height from satellite signals, 21:31307 (N-66-39695)
KUNTSE, G. Equipment set-up for back-scatter measurements using a single-channel pulse analyzer, 21:4723
KUNTSEVICH, G. K. Spectrophotometric study of interaction of scandium ions with N,N'-DI(2-hydroxy-5-sulfophenyl)-c-cyanformazan, 22:1992
KUNTZ, Eloise Prog. rpt. on physical mechanisms in inactivation of proteins by radiation, 6/71, 25:46499 (COO-1155-8-1)
KUNTZ, P. J. Distribution of reaction products. VI. Hot-atom reactions, T + HR, 24:36315
KUNTZ, Robert R. Photoelectron-induced decomposition of ethane, 25:54597
  Reactions of hydrogen atoms in aqueous solutions, 23:303
KUNTZE, M. Beam cavity interactions in a superconducting proton accelerator structure, 23:28190
  Contribution to the panel discussion on superconducting linac development, 25:50300
  High-resolution β-ray spectrometer, 24:33922
  Longitudinal beam rf field interactions in a linear accelerator cavity of high Q-value, 24:37991 (NP-18296)
  Non resonant beam break-up effects in superconducting structure, 24:10879
  Nuclear-spectroscopic investigation on ^{8}Li, ^{42}K, ^{88}Rb, ^{141}Ce, ^{144}Ce, ^{144}Pr and ^{203}Hg, 22:53105
  Studies of slotted iris structure (dispersion curve, coupling, flatness, and electron analog experiment), 23:19063 (BNL-50120(Pt.2), pp 557-64)
  Studies on rf structures at 400 Mc/s and 800 Mc/s for a proton linear accelerator, 21:29795
KUNUGI, Akira Thiopental-^{35}S: synthesis, isotope dilution analysis, and metabolism in rat, 24:2557
KUNZ, A. Matching problems and parasitic effects in magnetostrictive readout systems, 21:16107 (CONF-660918-, pp 60-2)
KUNZ, C. Absorption measurements of Cu, Ag, Sn, Au, and Bi in the far ultraviolet, 22:2776 (DESY-67/27)
  Alpha-ray-induced luminescence in gases, 24:13899
  Experiments with synchrotron radiation, 21:33802 (DESY-67/15)
  Experiments with synchrotron radiation, 23:8866 (NP-tr-1714)
  Grazing incidence vacuum ultraviolet monochromator with fixed exit slit for use with distant sources, 22:38139 (DESY-68/21)
  Measurement of photoabsorption of Li—halides near Li K edge, 22:15326 (DESY-67/42)
  Optical absorption measurements of Ta, W, Re, and Pt in euv, 24:3468
  Optical absorption of metals in the X—UV range, 25:3948 (DESY-70/48)
  Photoabsorption measurement of Li, Be, Na, Mg, and Al in the XUV range, 24:35571
KUNZ, Christof Energy loss of electrons in light oxidizable metals, 21:3662
  Experiments with synchrotron radiation, 21:42076
KUNZ, E. Exposure of the population in Czechoslovakia to ionizing radiation, 25:52063 (A/CONF.49/P-550)
  Exposure to ionizing radiation during diagnostic procedures, 24:21175
  Ionizing radiation exposure from diagnostic procedures, 25:26788
KUNZ, Emil Exposure of population of CSSR to ionizing radiation in x-ray diagnostics, 24:39500 (A-AC-82/G/L-1322)
KUNZ, G. Chemical reactions in neutron irradiation of ammonium sulfate, 23:37992
  Formation of elementary sulfur in the neutron irradiation of ammonium sulfate, 21:3139
KUNZ, J. Comparative investigation of changes in lungs of rabbits, 25:16305 (LF-tr-33)
  Lung changes in rabbit following thorax irradiation, 23:31945
  Lung changes in rabbit following thorax irradiation, 23:50849
KUNZ, Louis W. Superconducting energy gap in Pb, 25:43311
KUNZ, P. D. Algebra used by DWUCK with applications to the normalization of typical reactions, 24:49921 (COO-535-613)
  Coulomb energies in mass 18 and mass 42 nuclei, 24:10970
  Effective two-body force using ^{54}Fe(^{3}He,t) charge exchange reaction, 23:39975 (COO-535-593)
  Effective two-body force using the ^{54}Fe(^{3}He,t) charge exchange reaction, 23:39994
  Finite-range corrections in two-nucleon transfer reactions, 25:23081
  Instructions for use of DWUCK, 24:26673 (COO-535-606)
  Nuclear structure physics, 21:21582
  Optical model potential depth for deuterons, 25:39085
  Particle transfer reactions on deformed nuclei, 23:25952
  Potential well depth for a Λ in heavy hypernuclei, 24:47471 (CONF-690557-(Vol.2), pp 796-813)
  Quasielastic and quasi-inelastic (^{3}He,t) scattering from Ni isotopes, 24:10959
  Reactions ^{39}K(^{3}He,^{3}He)^{39}K and ^{39}K(^{3}He,d)^{40}Ca at 29.3 MeV, 25:36696
  Role of tensor force in charge exchange reactions, 24:3908
KUNZ, Paul F. Measurement of the decay rate of $K_1^0 \rightarrow \pi^0 + \pi^0$, 21:7454
KUNZ, Paul Frank Measurement of the K^0/sub L/ $\rightarrow \gamma\gamma$ branching ratio, 24:3604
KUNZ, S. E. Possible use of the sterile-male technique for eradication of the horn fly, 25:29744
KUNZ, W. Control for point-by-point recording of x-ray profiles using 3-crystal diffractometer, 24:50308 (SC-T-70-4037)
  Nuclear tables. II, 21:38294
  Superconductivity of fused samples of systems Nb—Sn, Nb—Al, Nb—Ga, V—Si, and V—Ga, 22:6984 (CONF-640310-1)
KUNZ, W. E. Anisotropic atomic hydrogen distribution in interplanetary space, 24:19659
  Extreme ultraviolet and soft x-ray detector development for Vela satellites, 24:4423 (LA-4251)
  Interplanetary Lyman-α, 25:49663
  Vela V and VI solar x-ray atlas. I, 24:42422 (LA-4454)
  Vela V and VI solar x-ray atlas. II, 25:9097 (LA-4454(Vol.2))
  Vela V and VI solar x-ray atlas. V, 25:43066 (LA-4454(Vol.5))
  Vela V and VI solar x-ray Atlas, 1/1—5/15/70, 25:32972 (LA-4454(Vol.3))
  Vela V and VI solar x-ray Atlas, 4/11—9/1/70, 25:32973 (LA-4454(Vol.4))
KUNZ, Wunibald Nuclear tables. II, 22:29977
KUNZE, D. Polymerization of adsorbed hydrocarbons by electron bombardment, 21:17655
  Systems of alkali and alkaline earth metals, 21:43593
KUNZE, H. J. Spectroscopic studies of a laser-produced plasma in helium, 23:48880 (AD-690193)
KUNZE, H.-J. Collisional ionization rates for lithium- and beryllium-like ions, 25:17163
  Collisionless shock waves and turbulent heating, 23:32341
  Electron temperatures and densities from transient helium-like ion line emission, 22:19955
  Enhanced plasma oscillations in a high-voltage theta pinch, 24:8506
  Experimental rate coefficients for collisional excitation of lithium-like ions, 25:22506
  High-temperature, low-magnetic-field theta pinch, 22:24258
  Light scattering in plasma as a diagnostic aid, 22:3035
  Low-energy theta pinch, 22:1251 (LA-3770, Paper D4)
  Measurement of collisional rate coefficients for helium like carbon ions in a plasma, 22:9354
  Measurements of collisional-excitation-rate coefficients for beryllium-like ions, 25:52804
  Operation of a theta pinch at extremely low filling pressures, 22:31841
  Oscillator strengths of sodiumlike ions, 25:55776
  Plasma satellites on 2^1P—4^1D and 2^3P—4^3D lines of helium, 22:50187
  Prog. rpt. on applications of light scattering to plasma diagnostics, 11/69, 24:10506 (ORO-3393-7)
  Spectroscopic studies of a laser-produced plasma in helium, 23:32354

  - Stark broadening of two ionized-helium lines by collective electric fields in a laboratory plasma, 24:6533
  - Transitions (3s—3p) of Ne VII and Ne VIII, 23:51627
- KUNZE, J. CdS dosemeter for phantom and intracavitary measurements, 21:41286
  - Decarburization of C-containing Mo, 24:23474
  - Determination of gas content in Mo and W, 22:10974
- KUNZE, J. F. Analysis of cavity reactor experiments, 23:45112 (N-69-25399)
  - Basic critical experiment (710), 23:11284 (GEMP-376)
  - Cavity reactor critical experiment, 22:3881 (NASA-CR-72234(Vol.1))
  - Cavity reactor critical experiment, 21:8063
  - Cavity reactor critical experiment, 21:14073 (GEMP-473)
  - Cavity reactor critical experiment. II, 23:2084 (N-68-28612)
  - Cavity reactor critical experiment. III, 23:43171 (N-69-18586)
  - Cavity reactor critical experiments, 23:11313
  - Cavity reactor engineering mockup critical experiment, 22:32947
  - Cavity reactor engineering mockup critical experiment, 25:28761 (NASA-CR-72409)
  - Cavity reactor gas-core critical experiment, 22:6086
  - Cavity reactor gas-core critical experiment, 22:44874 (NASA-CR-72329)
  - Control methods for a compact space power reactor, 22:6088
  - Experimental results from large-cavity reactor critical experiment, 21:38696
  - Fast-spectrum refractory-metal critical-experiment measurements, 21:8072
  - Filter for fast flux testing in a thermal test reactor, 22:44907
  - Flow mixing, reactivity effects in the gas core reactor, 25:41585
  - Measurement of control schemes for fast-spectrum compact reactors, 24:13619
  - Neutron lifetime measurements on critical experiment, 23:11282 (GEMP-281)
  - Neutron shield for locally flattening flux gradients in a reactor test facility, 24:7205
  - PBF critical experiment control rod measurements, 22:1857 (GEMP-560)
  - Physics of cavity reactors, 24:7251
  - Recent fast critical experiments in MSCA and 710-CE, 21:15765 (CONF-661019-10)
  - Recent fast critical experiments in MSCA and 710-CE, 21:35674 (ANL-7320, pp 195-203)
  - Rossi-alpha measurements on a multiple-component lifetime system, 21:8079
  - Spherical gas core reactor critical experiment, 25:23363 (IN-1443)
  - Spherical gas core reactor physics measurements, 25:6133
  - Thermionic reactor critical experiment, 24:7253
- KUNZE, P. Cross sections of the nuclear reactions ^{6}Li(p,α)^{3}He and ^{7}Li(p,α)^{4}He at low energies, 21:23418
- KUNZE, R. Scintillation decay of several fast organic scintillators, 25:18656
- KUNZE, R. C. ISAR II: 500 kJ double-fed linear theta-pinch, 22:46105 (IPP-4/58)
  - Pulse breakdown of plastic foils in liquids, 25:30569 (EUR-4593, pp 281-6)
  - Trigger-generator (15 kV) with spark gap, 21:36425 (IPP-4/43)
- KUNZE, R.-C. Energy storage capacitors, 21:35135 (IPP-4/35)
  - High-power spark gap for high repetition rates, 25:30568 (EUR-4593, pp 273-80)
  - High-Q capacitor, 25:30594 (EUR-4593, pp 541-4)
- KUNZE-MUEHL, E. Chromosomal aberrations in thorium dioxide patients, 23:26927
  - Chromosome aberrations in blood cells from internal deposits of Thorotrast, 21:20152
  - Chromosome damage in thorotrast cases, 22:28440
- KUNZE-MUEHL, Elfriede Influence of age of culture of radioinduced chromosome aberrations, 23:29455
- KUNZE-MUHL, Elfriede Influence of the culture time on the irradiation induced chromosome aberrations of human lymphocytes of the peripheral blood, 24:27523 (LIB/Trans-249)
- KUNZENDORF, H. Determination of rare-earth elements in rocks, 25:2094
  - Determination of the isotope composition of natural and slightly enriched uranium by alpha-spectrometry, 22:38075
  - Field gamma-spectrometry in exploration of U and Th deposits, 23:35346
  - Portable Be prospecting instrument, 23:35538
  - Recommendations for safeguards inspection of unirradiated MTR fuel elements, 22:42393 (RISO-M-732)
- KUNZLE-LUTZ, M. Effects of pulmonary lavage on the retention of particles of plutonium oxide, 25:42368 (LF-tr-53)
  - Retention of inhaled Pu oxide, 25:18895
- KUNZLE-LUTZ, Michele Automatic elution apparatus: application to plutonium determination, 24:29175 (CEA-R-3922)
- KUNZLER, J. E. Fermi surfaces of Nb and Ta, 24:19984
  - Magnetothermal oscillations and Fermi surface of β-W V_3Ge, 24:5146
  - Superconducting energy gap of bulk lanthanum by point-contact tunneling, 21:20886
  - Unusual strain dependence of T/sub c/ and related effects in A-15 superconductors, 24:35338
  - Unusual strain dependence of T/sub c/ and related effects for high-temperature superconductors, 25:14183
- KUNZLER, John E. High field superconducting magnet consisting of a niobium—zirconium composition, 21:7168
- KUNZLI, A. Nuclear reactor fuel element pressure tubes, 22:18642
- KUO, C. C. Surface impedance of superconducting Sn, 22:7240
- KUO, C. S. Uranium distribution in separated clinopyroxenes from four eclogites, 23:35350
- KUO, Chen-chi Microwave surface impedance of metals in weak magnetic field, 23:42154
- KUO, Chu-kun Systems of rare earth sesquioxides—beryllium oxide, 22:11074
- KUO, Franklin F. Electronic circuit design using computers, 22:16373 (UCRL-70706)
  - Overview of computer-aided circuit design, 23:28669 (UCRL-71678)
- KUO, Guei-ru Effect of thiaminase on rats fed non-radiated and radiated clams, 24:17185 (NYO-3461-3, Paper 1)
- KUO, Hsiao-wei Masking of zirconium in photometric determination of thorium, 21:35890
- KUO, I. Effect of chloride ions on γ-radiation induced destruction of nucleic acid bases, 23:40743
  - Effect of chloride ions on γ-radiation induced destruction of DNA, nucleosides, and nucleotides in aqueous solution, 24:29309 (UCLA-12-775)
  - Gamma-radioinduced destruction of DNA, nucleosides, and nucleotides, 25:10962
  - Steady state and pulse radiolysis of aqueous chloride solutions of nucleic acid components, 23:47528
- KUO, L. Y. Large isospin mixing in ^{16}O states near 18 MeV, 25:28188
- KUO, Mau H. Microbial oxidation of p-diethylbenzene, 25:29061
- KUO, P. K. Analyticity and broken O(4) symmetry, 23:7188
  - Analyticity and broken SL(2,C) symmetry for Regge families, 23:5631
  - Closed expressions for the energy levels in broken symmetries and the general form for Regge daughter trajectories, 23:25663
  - Coherent excitation by a modulated particle beam, 25:33497
  - Covariant approach to kinematic constraint relations for helicity amplitudes, 24:26523
  - Cross-section enhancement by scattering with correlated nonstationary states, 25:43105
  - DTIE; US, 23:15268
  - Elementary approach to daughters and conspiracy, 23:5598
  - Energy transfer via scattering of a coherent modulated electron beam, 25:43106
  - Monochromatic radiation from a coherent modulated beam of charged particles, 25:59336
  - O(4) expansion of off-shell scattering amplitudes and Regge trajectories and residues for arbitrary spins. II, 24:37972
  - O(4) expansion of off-shell scattering amplitudes and Regge trajectories and residues for arbitrary spins. I, 24:37971
  - Radiative corrections to an electron—positron scattering experiment, 24:12997
  - Renormalization theory, 23:42718
- KUO, T. Detection of 160 MeV protons by a Li-drifted Ge counter in a side-entry orientation, 21:17856
  - Lithium-drifted germanium for charged particle spectroscopy, 22:40400
  - Single crystal Ge(Li) Compton spectrometer, 21:43257
- KUO, T. J. D-region mobility spectrometer, 22:36796 (AD-665407)
- KUO, T. K. Asymptotic bounds on form factors, 24:32996
  - Axial-vector current consisting of pseudoscalar octet, 21:5380
  - Axial-vector current consisting of pseudoscalar octet. II, 22:5612
  - Broken SU(3) x SU(3) symmetry, 25:7702
  - Chiral SU_3 x SU_3 algebra and approximate SU_2 x SU_2 symmetry, 24:3726
  - Discrete symmetry in broken SU(3) x SU(3), 25:1585
  - Equal-time commutators involving divergences of currents, 22:5611
  - Hamiltonian model of broken SU(3) x SU(3) symmetry. II, 24:40434
  - Possibility of detecting quarks through astronomical observations, 21:13317
  - Properties of a Hamiltonian model of broken SU_3 x SU_3 symmetry, 24:43005
  - Vacuum expectation values of the baryon currents and their symmetry, 22:15806
- KUO, T. T. S. Brueckner—Hartree—Fock calculations of spherical nuclei in an harmonic-oscillator basis, 23:25822
  - Calculation of ^{206}Pb, ^{206}Hg, and ^{206}Tl with the Hamada—Johnston potential, 24:43417
  - Calculation of ^{210}Pb, ^{210}Po, and ^{210}Bi with the Hamada—Johnston potential, 24:43418
  - Comparison of the Yale, Reid, and Hamada—Johnston potentials in shell-model calculations, 21:15496
  - Core polarization and effective interactions for the Ni isotopes, 21:1130
  - Core polarization and particle—hole excitations in ^{40}Ca and ^{48}Ca, 23:44870
  - Core polarization of the effective two-nucleon interaction for different descriptions of the core, 25:34194
  - Core-renormalization of the pf-shell effective interaction for an RPA-description of the core, 25:25829
  - Correlation energy of ^{4}He, 23:49317
  - Dipole states in ^{208}Pb, 24:22175
  - Effective mass in nuclei, 22:27259
  - Electric dipole transitions in ^{88}Sr and ^{90}Zr, 25:36798
  - Energy spectrum and dipole transitions of ^{89}Y, 25:38950
  - Higher order core polarization processes and effective interactions in nuclei, 22:14089
  - Nucleon—nucleon potential and minimal relativity, 23:45000
  - Nucleon—nucleon potential and minimal relativity, 24:43534
  - Particle-hole multiplets in ^{208}Bi, 23:7315
  - Reaction matrix elements for the 0f-1p shell nuclei, 22:37378
  - Shell model calculations of nuclei from $A = 6$ to 45 using the Hamada—Johnston potential, 21:12083 (PUC-937-233)
  - Shell-model structure of ^{35}Cl—^{35}Ar, 24:52513
  - Spectroscopic factors for (d,p) reactions on the odd-mass Sn isotopes, 21:23506
  - State dependence of shell-model reaction matrix elements, 21:44765
  - Structure of finite nuclei and the free nucleon—nucleon interaction, 21:10115
  - Test of pairing-vibration model in ^{40}Ar, 24:13318
- KUO, T. Y. T. 40-MeV proton inelastic scattering on ^{50}Ti, ^{51}V, and ^{52}Cr and its microscopic description, 25:14928
  - Proton scattering and optical model differences between ^{40}Ca and ^{48}Ca, 25:17778
- KUO, Ta-jin D-region mobility spectrometer, 21:43311
- KUO, Tsong-teh Induced mutants of P. oryzae and their pathogenicity, 21:26692
- KUO, Y.-H. Calcium-47 kinetics in goats as function of age and during pregnancy and lactation, 23:50274 (COO-1339-36)
- KUO-PETRAVIC, G. Computed data for PHOENIX II, 22:13427 (CLM-R-76)
  - Ion cyclotron instabilities, 23:32465
  - Ion cyclotron instabilities in Phoenix II experiment, 22:52826 (CONF-671127, pp 1-26)
- KUO-PETRAVIC, L. G. Alpha-particle heating and energy balance in a mirror reactor, 25:25084
  - Energy spreading and stabilization of plasma by applying a high-frequency electric field, 21:29315
  - Ion cyclotron instabilities in PHOENIX apparatus, 21:33478 (CLM-R-69)
  - Loss-cone instability in mirrow magnetic wells, 23:14819
- KUORKAWA, Yoko Chemical modification of fibers by the graft copolymerization of reactive monomers. II, 21:22000
- KUP, W. Malignant tumors in otorhinolaryngology. I, 24:17078
- KUPALOVA, I. K. Diffusion coefficients in polycrystalline materials, 22:31399
- KUPCZYNSKI, M. Generalized statistical tensors and their applications, 25:47885
  - Quark model predictions for the transversity amplitudes, 25:14671
- KUPCZYNSKI, Marian Relativistic quark-model predictions for the transversity amplitudes, 25:40972
- KUPEC, V. Storing of pea seed after γ irradiation, 25:11024
- KUPELIAN, N. J. Ordinary and higher random-phase approximations on the Luttinger model, 22:22260
- KUPELIAN, Newton John Ordinary and higher random phase approximations in the Luttinger model, 23:5976
- KUPER, C. G. An introduction to the theory of superconductivity, 22:29438
  - Do faster-than-light group velocities imply violation of causality, 23:42736
  - Effective ^{3}He quasiparticle interaction in superfluid ^{4}He, 24:37411
- KUPER, K. D. Nuclear power stations with He turbine, 23:47139
- KUPER, S. W. A. Uptake of tritiated thymidine by cancer cells in blood, 23:50251
- KUPERUS, J. Even-parity states of ^{41}Ca by ^{39}K(^{3}He,p)^{41}Ca reaction, 21:44653
  - Reaction ^{39}K(^{3}He,p)^{41}Ca at 13.0 MeV, 21:4257
  - Resonances in (p,α) and (α,p) reactions on light nuclei, 21:11986 (NP-16461)
- KUPERUS, M. Analogy of sound waves and shallow water waves, 25:32940
  - Determination of velocity of exciters of Type II solar radiobursts, 25:890
  - Heating of solar corona, 24:3090
  - Oscillatory phenomena in quiescent prominences, 23:25100
  - Thermally driven motions in a gravitational atmosphere, 24:35097
- KUPERUS, Max Magnetic fields and the temperature structure of the chromosphere-corona interface, 22:41283
  - Nature of quiescent solar prominences, 22:912
  - Origin of spicules in the chromosphere—corona transition region, 22:896
- KUPFER, M. F. Atomic absorption and flame emission spectroscopy analyses of basalt core samples from a deep well, 24:36141 (ARH-1609)
- KUPFERMAN, R. A. h'F variations due to nuclear-generated traveling ionospheric disturbances, 21:25043
  - Traveling ionospheric disturbances associated with nuclear detonations, 21:11539
  - Vlf amplitude perturbations in Antarctic due to nuclear explosion, 7/9/62, 22:13362
- KUPHAL, E. Inelastic electron scattering from ^{14}N between 8.5- and 11.5-MeV excitation energy, 22:35220
  - New circular polarization analyzer on the parity mixing in ^{181}Ta, 24:52606
- KUPHAL, K. Electron energy calibration of 45 MeV betatron, 25:21414
- KUPIC, Edward A. Experimental pancreatic scanning, 24:21065
  - Uptake studies in canine abdominal organs following ^{75}Se-selenomethionine administration by a variety of intravascular injection techniques, 25:13343
- KUPIEC, C. F. NBSR converter tube, 21:8083
- KUPIEC, Israel Scattering by randomly fluctuating bounded regions, 25:38609
- KUPINSKI, A. F. Computer code ALCHEMY-II, 24:4041 (DUN-6065)
- KUPKA, I. Residual stresses in large size welded structures, 24:51157 (ZJE-87)
- KUPKA, J. Radiometric methods of potassium determination. I, 23:13658
  - Radiometric methods of potassium determination. II, 23:13659
- KUPKOVA, H. Special case of lysogeny in Mycobacterium avium, 25:16109

- KUPLENNIKOV, E. L. Elastic scattering of 70-MeV electrons on ^{12}C and ^{9}Be, 21:2622
  - Electron (550- to 1000-MeV) quasielastic scattering on nucleons of the ^{12}C nucleus, 23:25815
  - Inelastic electromagnetic form factors of nucleus ^{12}C in continuum region, 23:5819
  - Quasi-elastic electron scattering and inelastic electromagnetic form factors of ^{11}B, ^{27}Al, and ^{28}Si, 25:33963
  - Quasi-elastic scattering of 1115-MeV electrons by nucleons of ^{32}S nuclei, 25:3615
  - Quasielastic scattering of high-energy electrons on nucleons of ^{12}C and ^{28}Si, 24:20063
- KUPOREV, A. L. Temperature dependence of the modulus of normal elasticity of niobium and its alloys, 25:672
- KUPPERIAN, James E. Jr. Interaction of neutral H and charged particles in radiation belts, 22:5238
- KUPPERMAN, David Sander Velocity of sound in solid krypton, 25:1986 (COO-1198-760)
- KUPPERMANN, A. Angular dependence of low-energy electron-impact excitation cross section of the lowest triplet states of H_2, 23:12531
  - Cross sections for excitation of 2^3S state of hydrogen by electron impact, 23:34274 (CALT-767-P-4-45)
  - Determination of differential elastic and vibrational excitation cross sections for e—H_2 scattering, 23:34272 (CALT-767-P-4-43)
  - Electron scattering by H_2 with and without vibrational excitation. III, 24:35189
  - Electron scattering by $X^1\Sigma$/sub g/$^+H_2$ at 10 eV with excitation of nuclear motion, 23:34275 (CALT-767-P-4-46)
  - Measurement of differential scattering of D_2—N_2, 23:34273 (CALT-767-P-4-44)
- KUPPERMANN, Aron Cross sections for excitation of 2^1P state of He, 24:21576
  - Detection and identification of triplet states of H_2O by electron impact, 25:19499
  - Differences in the angular dependencies of spin- and symmetry-forbidden excitation cross sections by low-energy electron impact spectroscopy, 22:17397
  - Differential elastic scattering of D_2 by N_2 in crossed molecular beams, 24:28108
  - Diffusion model of the radiation chemistry of aqueous solutions, 21:1376 (CALT-532-5)
  - Electron-impact excitation cross section for the two lowest triplet states of molecular hydrogen, 22:959
  - Exact tunneling calculations, 25:34574
  - Instrumental effects in a retarding field energy analyzer, 23:26620
  - Interaction of low-energy electrons with molecules, 24:37216 (CALT-767-P-4-61)
  - Linear H + H_2: exact and approximate reaction probabilities, 25:6223 (CALT-767-P-4-66)
  - Low-energy, high-angle electron-impact spectrometry, 23:48707
  - Prog. rpt. on chemical dynamics and radiation chemistry, 7/66—6/67, 21:40813 (CALT-532-15)
  - Prog. rpt. on chemical dynamics and radiation chemistry, annual, 7/67—6/68, 22:48872 (CALT-532-37)
  - Prog. rpt. on chemical dynamics and radiation chemistry, annual, 7/68—6/69, 23:47455 (CALT-767-P-4-54)
  - Prog. rpt. on chemical dynamics and radiation chemistry, annual, 7/69—6/70, 24:36265 (CALT-767-P-4-63)
  - Puzzles in the diffusion kinetics of the radiation chemistry of aqueous solutions, 25:18447 (CALT-767-P-4-73)
  - Quantum mechanics of the H + H_2 reaction: exact scattering probabilities for collinear collisions, 24:32660
  - Reaction of monoenergetic deuterium atoms with hydrogen molecules, 22:31593 (CALT-532-17)
  - Reaction of monoenergetic deuterium atoms with hydrogen molecules, 23:21702
  - Reactions of atomic hydrogen with deuterium halides, 23:37946
  - Reactive collisions, 23:40608 (CALT-767-P-4-47)
  - Rearrangement collisions: approximate theories, 22:50028
- KUPPERS, B. Generalized impact-parameter method for low-energy molecular collisions, 25:52637
- KUPRASHVILI, I. S. Phase diagram of scandium—oxygen, 24:14787
- KUPRIANOFF, J. Food irradiation in Germany, 24:32312
- KUPRIENKO, V. A. Methodological problems of testing fuel elements in loop channels of SM-2 and MIR reactors, 25:34403 (JPRS-53069, pp 176-87)
  - Power control for loop assemblies in MIR reactor, 25:39302 (LB/G-3015)
- KUPRINA, V. V. Alloys in Co—$NbCo_2$ system, 22:45787
  - Phase diagram for Zr—Co system, 25:13712
  - Phase diagram of $NbCo_2$—$ZrCo_2$ alloy, 22:13030
  - Phase diagram of niobium—cobalt system, 25:2749
  - Solid-state transformations of niobium alloys with zirconium and titanium, 21:34920
  - Solid-state transformations of niobium alloys with zirconium and titanium, 21:34921
  - Solid-state transformations of titanium—zirconium alloys, 21:34919
  - Zirconium—niobium—cobalt system, 23:6700
- KUPRIYANOV, I. N. Preventive diet in internal irradiation with ^{137}Cs and ^{90}Sr, 25:10956
- KUPRIYANOV, S. E. Detection of highly excited hydrogen-like states of Ca^+, Sr^+, Ba^+, and Mg^+ ions, 22:19797
  - Dissociation of singly charged positive CD sub 5, CH sub 5, and Cd sub 4 ions by collision with neon atoms and air molecules, 21:24908
  - Excitation of Rydberg states in helium, neon, argon, xenon, and mercury atoms due to electron collisions, 22:19794
  - Excited particles and their role in elementary processes of radiation chemistry and plasma chemistry, 22:23037 (AD-660408)
  - Formation of highly excited atoms in collisions between electrons and CO,O_2 and N_2 molecules, 22:47820
  - Ionization of Kr^+ ions by means of electron impact, 23:12591
  - Mass spectrometric investigation of reactions of excited atoms and molecules. II, 23:28823
  - Scattering of highly excited argon atoms on H, 21:3686
- KUPRIYANOVA, E. B. Thermal radiation of nitrogen plasma over the range 0.5 to 1.1 μ, 23:5430
- KUPRIYANOVA, L. A. Phase analysis of the compounds of the system CaO—ZrO_2—SiO_2, 22:50920
- KUPRIYANOVA, T. A. Interdiffusion between components and the phase diagram of the Ti—W system, 21:45952
- KUPRIYANOVA, V. M. Certain data for determining the biological constants of uranium soluble compounds in a test on albino rats, 21:24329
- KUPRYASHKIN, V. T. Stabilization of magnetic field in an iron $\pi\sqrt{2}\ \beta$ spectrometer, 25:26502
- KUPSCH, J. Bootstrap models for Regge-trajectories, 22:46413
  - Class of functions that satisfy crossing symmetry and unitarity, 23:42766
  - Construction of functions that satisfy crossing symmetry and unitarity, 24:15569
  - Electroproduction of nucleon resonances, 24:10712
  - Estimates of the unitarity integral, 25:3300
  - Generalized interference model with indefinitely rising Regge trajectories, 23:1714
  - Remarks on the equal-time commutator of currents, 22:7457
  - Scattering amplitudes that satisfy Mandelstam representation, 23:37012
- KUPSCH, Joachim Covariance of the retarded product of axial-vector currents and the form of their equal-time commutator, 21:42341
- KUPTSOV, A. V. Search for new type of radioactivity in aluminum and tungsten targets irradiated by 70-GeV protons, 25:14541 (JINR-P1-5399)
  - Search for new type of radioactivity in Al and W targets irradiated by 70-GeV protons, 25:38657
- KUPTSOV, V. M. Altitude distribution of ^{238}U, ^{232}Th, and ^{239}Pu in atmospheric fallout, 25:8372
  - Decay products of U and Th in active volcanism of USSR, 23:35333
  - Decay products of U and Th in active volcanism, 24:31473
  - Ionium ages and the process of formation of volcanic rocks, 24:36394
  - Multichannel analyzer in regime of separation of α—α coincidences, 22:38071
  - Plutonium-239 in nature, 22:25516
  - Plutonium-239 in nature, 23:2411 (AEC-tr-6968)
  - Plutonium-239 in nature, 23:35334
  - Protactinium method for determining the age of young volcanic rocks, 23:9545
  - Radioactivity and absolute age of the young volcanic rocks, 21:36117
  - Radioisotopes and Pa age of neovolcanic rocks of Caucasus, 23:21810
  - Radioisotopes and protactinium age of neovolcanic rocks of Caucasus, 22:18919
  - Radioisotopes in waters of neovolcanic regions of the Caucasus, 24:2304
  - Radioisotopes in waters of neovolcanic regions of the Caucasus, 24:36406
- KUPTSOV, V. P. Determination of thorium concentration using cascade radiation, 25:39439
- KUPTSOVA, G. Z. Photomultipliers with low noise level, 23:33560
- KURA, J. G. Making of stainless steel shapes by casting and powder metallurgy, 21:32846 (RSIC-601)
  - Shaping of stainless steels by casting and powered metallurgy, 22:19490 (NASA-SP-5086)
- KURABE, M. Feasibility of the sea-bottom atomic power stations, 25:28630
- KURAEV, A. A. Stimulated synchrotron radiation of electrons in piecewise-homogeneous magnetic field, 24:40222
- KURAEV, E. A. Asymptotics of total annihilation cross section of e^+e^- pair into any number of photons and any number of $\mu^+\mu^-$ pairs at high energy, 25:38706
  - Cross sections for production of e^+e^- pairs in collisions of heavy charged particles, 25:43598
  - Dispersion sum rule for eta^0 meson photoproduction, 22:50323
  - Double-logarithmic asymptotics of the annihilation amplitude $e^+e^- \rightarrow n\gamma$, 24:52016
  - Interference between Coulomb and strong interactions at high energies, 25:43607
  - Ratio between coupling constants of summit 70° 56 35, 21:9830
  - Twice-logarithmic asymptotic behavior of amplitude of annihilation $e^+e^- \rightarrow n\ \gamma$, 24:18113 (ITF-69-88)
- KURAHASHI, Koichiro 400 channel pulse height analyzers, 22:51283
- KURAHASI, K. Biochemical studies on isolated nerve endings and other particulates of bullfrog brain, 21:32587
- KURAKIN, V. M. Short-term strength, creep, and ductility of graphite at 300 to 3500°K, 25:748 (LA-4462-TR)
- KURAKINA, E. P. Experimental verification of generation of cation vacancies during irradiation of KCl crystals, 25:19858
- KURAKINA, L. A. Superconducting characteristics of Nb—Ti-alloys, 22:26321 (ANL-Trans-598)
- KURALESOVA, A. I. Osteogenic potencies of the irradiated bone marrow transplanted into diffusion chambers, 23:12020
- KURALESOVA, Albina I. Osteogenic precursor cells of bone marrow in radiation chimeras, 25:58121
- KURAMOTO, Kyoshi Results of examination of bomb victims at Human Dock, 23:14222 (UCRL-Trans-1371)
- KURAMOTO, M. Development program of power reactors, 23:17181
- KURAMOTO, Masaaki Oarai Engineering Center of Power Reactor and Nuclear Fuel Development Corp, 25:15823
- KURANC, J. β—γ angular correlation measurements, 25:31277
- KURANISHI, Makoto Intravenous radioisotope angiography, 23:6515
  - Medical universal human counter. IV, 22:33655
  - Xenon-133-rebreathing technique using the scintillation camera, 22:45302
- KURANO, Yukinaho Fabrication of a large volume Ge(Li) detector, 24:11779
- KURANZ, John L. Twenty-five years of isotopes in life sciences, 25:55107
- KURAS, Rosemary A. Iodine analysis of biological samples by neutron activation of ^{127}I, with scintillation counting of Cherenkov radiation, 25:29030
- KURASAWA, Hajime First compilation of analytical data on Sr isotopes for new geochemical rock standards, JB-1 and JG-1, 23:45195
  - Isotopic composition of Pb and concentrations of U, Th, and Pb in volcanic rocks from Dogo, Japan, 22:51109
- KURASAWA, T. Interaction between uranium carbides and liquid sodium with a small oxygen content, 25:45106
  - Reaction between uranium carbides and liquid sodium, 25:45105
- KURASAWA, Takashi Nonlinear kinetics of plasma. I, 21:37465
- KURASAWA, Takasi Interaction between electron plasma wave and ion plasma wave in a plasma, 23:39512
  - Kinetic equations describing three-wave interaction in a plasma, 23:5407
  - Kinetic theory of a weakly turbulent plasma. I, 22:31820
  - Kinetic theory of a weakly turbulent plasma. II, 22:39087
  - Nonlinear kinetics of plasma. II, 22:41617
  - Nonlinear kinetics of plasma. III, 23:18710
  - Stationary state of high-β collisionless plasma, 24:21820
- KURASHOV, A. A. Multiple-channel system of two-directional communication with ŢsVM type M-220A, 25:7770 (IAE-1953)
  - System of multimeasurement analysis, programmed from a light pencil, 21:22208
- KURATA, Hideo Fixation of U from natural waters, 22:18872 (NSJ-tr-91)
- KURATA, K. Cold incubation method in ^{131}I—T3 resin sponge uptake test, 24:29650
- KURATA, Keiji Virus diseases in aseptically-grown silkworm. II, 23:48194
- KURATA, Kunio Stability of Na o-iodohippurate (o-^{131}I), 21:5980
- KURATA, Munetsugu Thyroidal iodine metabolism in rats, 24:560
- KURATANI, Kenji Initiation step of methane pyrolysis, 22:42661
- KURATH, D. Nuclear deformation in the shell model, 22:48627
  - Spectroscopic factors for the 1p shell, 21:38393
  - Survey of (p,t) reactions in 1p shell, 25:28204
  - Two-nucleon transfer in the 1p shell, 24:13400
- KURATH, Dieter Extension of M3 matrix elements, 22:26912
  - M2 transitions in nuclei, 21:44583
  - Relative phases of E2 and M1 matrix elements in 1 p-shell nuclei, 21:23436
  - Spectroscopic factors for forbidden transitions, 22:20767
- KURATOVA, T. S. Determination of the association constants of ions from the rate of oxygen exchange between anions and water, 25:54553
- KURBAKOV, V. I. Device for studying electron backscattering from layers of materials, 25:18823
- KURBAN, A. K. Effects of irradiation on the skin, 23:29357
- KURBAN, Amal K. Effects of x irradiation on skin. I, 23:50347
- KURBANGALINA, R. Kh. Dependence of critical diameter of liquid explosives on content of powders, 24:36115 (LA-tr-70-8)
- KURBANOV, Sh. A. Modification of polyvinyl chloride with synthetic rubber, 23:49847
  - Modification of properties of polyethylene and polypropylene by radiation-initiated vinyl chloride grafting, 25:37415
  - Radiation grafting of vinyl chloride to polyethylene at high and low pressures, 22:45115
- KURBATOV, D. I. Determination of the number of electrons in the reduction of U(VI) on a dropping mercury cathode in phosphoric acid solutions of various concentrations, 25:23562
- KURBATOV, L. N. Coherent radiation from cadmium sulfide single crystals excited by an electron beam, 21:31210
  - Measurement of the mean free path of fast electrons, 25:56281
  - Minority carriers and stimulated radiation of CdS and ZnTe in excitation with fast electrons, 24:19942
- KURBATOV, O. K. Energy and angular distributions of ions striking different portions of the cathode in a high voltage Penning discharge, 21:15189
  - Sputtering of Ti by 3- to 9-keV ions, 22:15332
- KURBATOV, V. V. Complex uranyl peroxofluoride compounds, 21:32173
- KURBATOVA, T. I. Age radiosensitivity of ovaries in mice, 24:25575
- KURBATOVA, V. I. Determination of cerium in refractory alloys with use of chromatographic separation, 25:57338
  - Determination of impurities in metallic niobium. I, 23:19645
  - Determination of Mo in Nb or Ta, 23:49697
  - Determination of tantalum in metallic niobium, 23:49706
  - Extraction—photometric determination of Si in Nb and Ta, 24:24998
  - Separation of V, Mo, W, and Nb from fluoride solutions, 23:49698
- KURCEWICZ, W. Branching ratios of E1 transitions in ^{173}Yb, 24:43340
  - Decay scheme of ^{165}Tm, 22:16040

Decay scheme of ^{232}Pa, 25:38978 (INR-P-1232)
Decay scheme of ^{232}Pa, 25:59798
Internal-conversion studies of high-energy transitions in ^{230}Th, 25:50727
Levels of ^{230}Th and ^{230}U fed in decay of ^{230}Pa, 25:38980 (INR-P-1251)
Levels of ^{230}Th and ^{230}U fed in decay of ^{230}Pa, 25:59800
Octupole vibrations of even nuclei in the transuranic region, 24:13365
Time spreads of pulses generated by beta-particles in silicon drifted detectors, 22:23281
Time spreads of pulses generated by β particles in silicon drifted detectors, 22:23265 (INR-P-867/IA/E)
KURCEWICZ, Wiktor Orange type six-gap magnetic beta spectrometer, 24:21003
KURCHAKOV, A. V. Emission of a homogeneous sphere in an isotropic radiation field, 25:40298
Models for scattering in a spherical nebula, 22:45881
KURCHATOV, B. V. Asymmetry of ^{238}U photofission near threshold, 22:32593
Radiochemical investigation of ^{229}Th fission by slow neutrons, 23:8980
Reactions (d,α) on Cd isotopes, 21:1108
KURCHATOVA, L. N. Isolation of carrier-free ^{88}Y from Sr targets, 23:43369
Separation of carrier-free ^{88}Y from Zr target by method of adsorption on a fluoroplastic material, 25:15694
KURCZ-CSIKY, I. Determination of fission products deposited on ground, 21:28500
Determination of fission products deposited on the ground, 21:39060
KURCZNE, Csikyildiko Determination of radioactive strontium content in fallout and mud samples, 22:45021
KURDADZE, L. M. Experiments on muon pairs production on VEPP-2, 25:47934 (NP-18931)
High-efficient pair magnetic spectrometer, 23:7780
Production of monochromatic γ rays in an electron storage ring, 21:13770 (SLAC-Trans-55)
Production of monochromatic γ-quanta by means of storage ring, 21:40327
System for acquisitioning information from wire spark chambers, 24:14309
KURDGELAIDZE, D. Coupling constants and magnetic moments of baryons and mesons, 23:25597
Magnetic moments and strongly bound constants of baryon octet ($S = {}^1/_2{}^+$) and deculet ($S = {}^3/_2{}^+$), 24:52095
Magnetic moments of quarks and their bond constants with mesons ($s = 0^-$) and ($s = 1^-$), 23:51934
KURDGELAIDZE, D. F. Conformal—Galilean space, 21:44216
Foundation of field theory in Friedman's space, 22:22448
Hypothesis concerning quark stars, 22:43766
Mass spectra in γ_5- and SU_3-invariant nonlinear field theory, 21:27436
Mass spectrum of particles in nonlinear quark theory, 25:14684
Nonlinear fusion equations, 22:48318
Quark stars, 25:12188
Remarks on quark stars, 23:41896
Remarks on quark stars, 24:51296
KURDIANI, N. I. Annealing of radiation defects and the mobility of electrons in indium antimonide irradiated by fast neutrons, 24:14865
Annealing of radiation defects and the electron mobility in indium antimonide irradiated with fast neutrons, 25:56317
Current oscillations in neutron-irradiated gallium arsenide, 22:41673
Disordered zones in InSb resulting from irradiation with fast neutrons, 22:19555
Influence of neutron irradiation on the reflection coefficient of gallium arsenide, 25:22628
Neutron radiation effects on GaAs reflection factor, 25:1276
KURDYBAILO, F. V. Hemopoiesis during low doses of ionizing radiation, 24:9837
KURDYUKOV, A. A. Oxidation—reduction properties of rocks containing uranium ores in black shales, 25:34752
KURDYUMOV, A. V. Investigation of thin films of pyrolytic graphite by electron diffraction, 21:24852
Line strengths in x-ray patterns of graphite structures, 22:49845
KURDYUMOV, I. V. Cross section of photoabsorption on ^{11}B nuclei, 23:17075
Dipole photoabsorption in ^{6}Li, 21:2606
Elastic and inelastic scattering of high-energy electrons in the cluster model, 23:19192
Form factors for various degrees of freedom in ^{6}Li nucleus, 25:22984
Fractional parentage and (α—d)—(^{3}He—t) duality in ^{6}Li nucleus, 24:43479
Multiparticle geneologic coefficients and the translation-invariant shell model, 23:42967
Pairing interaction between nucleons and the energy positions of single-particle levels, 21:29932
Relation between invariant shell model and K-harmonics method, 25:39121
Translationally invariant shell model, 24:38333
KURDYUMOV, S. P. Effect of formation of electrically conducting gas layer in nonstationary processes of MHD, 22:9147
Influence of finite conductivity of the medium on the interaction of shock waves with a magnetic field, 23:12934
Local perturbation of electric conductivity in weak-conducting gas flow in magnetic field, 24:49173
Method of finite differences for resolving one-dimensional unsteady problems of magnetohydrodynamics, 23:1250
Self-similar problem in a high-current discharge in plasma, 25:38455
Shock wave interaction with magnetic field in a finite conductivity medium, 22:19844
KURDYUMOV, V. N. Contribution to the theory of nonlinear skin effect, 22:44131
Negative group velocity in magnetoactive medium, 23:14847
Nonlinear skin effect in a conducting cylinder, 23:36704
KUREPA, M. V. Focal properties of three-element electrostatic electron lenses, 24:35748
KUREPA, Milan V. Total cross sections for ionization and electron attachment in C_2F_6, C_3F_8, and C_4F_8, 21:31225
KUREPIN, A. B. Elastic and inelastic scattering of protons by ^{148}Sm, ^{154}Sm, and ^{174}Yb, 22:11952
Interactions of protons with tritium at energies below the (p,n) threshold, 21:33873 (NP-tr-1543, pp 1-50)
Proton spin-flip probability measurements for (p,p') on ^{144}Sm and ^{152}Sm, 22:42077
Second-order effects in elastic and inelastic scattering of deuterons and protons, 23:7317
KUREY, T. J. Neutron absorption rate predictions for materials with anisotropic effective macroscopic cross sections, 21:35390 (KAPL-P-3340)
Neutron absorption rate predictions for materials with anisotropic effective macroscopic cross sections, 21:38181
KURFESS, J. D. Detection of gamma radiation from Cygnus region, 22:19697
Detection of hard x radiation from Virgo, 22:19696
Low-energy gamma radiation from NP 0532, 25:47260
Observation of gamma radiation from Crab Nebula, 22:13191
Observation of hard radiation from the region of the galactic center, 23:48639
Pulsed-beam measurements of the nuclear g factors of the 2+ rotational states in ^{150}Nd, ^{162} ^{164}Dy ^{166} ^{168} ^{170}Er and ^{186}W, 21:44706
Search for gamma radiation from Centaurus A, 23:14498
Search for gamma radiation from Centaurus A, 23:44124 (AD-683358)
KURFESS, James Daniel Nuclear g-factors of the 2^+ rotational states in ^{150}Nd, ^{162}Dy, ^{164}Dy, ^{166}Er, ^{168}Er, and ^{170}Er, 22:30042
KURGANOV, B. G. Introduction of controlled energy-mode in U-150-2 cyclotron of Inst. of Nuclear Physics of UzbSSR Academy of Sciences, 25:20216
KURGANOV, B. I. Kinetic method of investigation of the radioprotective effect exerted by inhibitors of radical reactions, 21:36514
Thermal after-effect of uv-irradiated lactate dehydrogenase, 21:26352
KURGANOV, G. B. Critical current in alloys with rigidly pinned vortex lattice, 23:36620
Critical currents in superconducting alloy, 23:18536
Device for investigating critical current in superconductors, 21:9520
Production and investigation of niobium-zirconium alloy superconducting wire, 21:9092
Similarity of longitudinal and transverse critical currents in superconducting alloys, 23:48870
Solenoid prepared from niobium—titanium alloy, 21:9519
Superconducting solenoids from niobium and zirconium alloys, 21:9479
KURGANSKAYA, V. M. Radioactive isotopes in atmosphere and their use in meteorology, 21:36150 (AEC-tr-6711)
KURGUZOV, V. V. Effective resistance of imperfect Type-II superconductor, 24:35344
KURI, Z. Reaction intermediates produced from nitriles in γ-irradiated organic glasses, 24:31379
Trapped electrons in alkylamine glasses at 77°K, 25:31983
KURI, Zen-ichiro Effect of additives on the radiation-induced polymerization of trioxane, 22:42726 (NSJ-tr-108)
Effect of crystal size on the radiolysis of solid succinic acid, 24:44051
Effect of phase on excitation transfer in the radiolysis of isobutane, 25:41864
Effect of phase on the radiolysis of solid isobutane as studied by electron spin resonance spectroscopy and product analysis, 25:170
Electron capture by solutes in γ-irradiated 2-methyltetrahydrofuran glass, 23:15916
Electron spin resonance study of trapped electrons in gamma-irradiated triethylamine glasses, 21:37552
ESR and optical studies of acyl radicals produced from acyl chlorides by dissociative electron attachment in γ-irradiated organic glasses at 77°K, 23:263
Excitation transfer in radiolysis of solid hydrocarbons, 24:33716
Explosive reaction between irradiated liquid nitrogen and oxygen, 21:45150 (ORNL-tr-1774)
Free radicals formed by the irradiation of high polymers and their transformations, 22:37779 (ORNL-tr-1969)
Hydrogen formation in radiolysis of saturated hydrocarbons, 24:44047
Intermediates and products in the radiolysis of phenyl acetate, 24:11613
Intermediates in γ-irradiated methylcyclohexane and isobutane containing benzene, 25:21053
Ionic intermediates in γ-irradiated organic glasses, 21:12473
Photoisomerization of maleate radical anions produced in 2-methyltetrahydrofuran by γ irradiation at 77°K, 25:18457
Radiation induced terpolymerization of sulfur dioxide, acrylonitriles, and octene-1, 23:2310 (NSJ-tr-133)
Radiation-induced copolymerization of cyclohexene and sulfur dioxide, 21:17683
Radiation-induced copolymerization of allylalcohol and sulfur dioxide, 21:17681
Radiation-induced polymerization of isobutene in the gas phase, 21:42979
Radiation-induced polymerization of gaseous isobutene, 23:255
Radiation-induced polymerization of vinyl ethers, 23:15876 (NSJ-tr-142)
Radiation-induced reaction of isobutene in gas phase, 24:44050
Radiation-induced terpolymerization of sulfur dioxide, acrylonitriles, and octene-1, 21:42987
Radicals produced in γ-irradiated allyl alcohol glass, 25:29162
Radioinduced copolymerization of isobutene and sulfur dioxide, 22:4171
Radioinduced copolymerization of styrene and sulfur dioxide, 21:30461
Radiolysis of methylcyclohexane. I, 23:15898
Radiolysis of methylcyclohexane. II, 24:11586
Radiolysis of solid isobutane, 23:40711
Radiolysis of solid isobutane, 23:40763
Reaction intermediates in γ-irradiated mercaptans at 77°K, 24:44048
Reaction intermediates produced from phenyl halides by dissociative electron attachment in γ-irradiated organic glasses, 23:15901
Role of reaction sites in the radiolysis of solid succinic acid, 25:41865
Scavengeable electron yield in radiolysis of hydrocarbons, 25:10652
KURIACHAN, P. I. Cytologicial effects of radiations from monazite, 25:39840
Somatic mutations induced by radiations from monazite in Tradescantia, 25:39835
KURIAT, R. I. Breakdown of aluminosilicate, boron-nitride containing refractories, 25:22174
Destruction of aluminosilicate refractories which contain boron nitride, 24:42185
KURIBAYASHI, K. Production of a very strong positron source ^{58}Co, 25:48742
KURIDZE, R. E. Possibilities of investigating cosmic muons using a complex installation, 24:46514
KURIDZE, R. V. Energy and angular distribution of high-energy muons, 22:13267
Penetrating component of cosmic rays at 130 mwe, 22:13266
Study of high-energy muons at a complex installation, 21:29038
KURIHARA, H. Effect of alcohols on γ-radiolysis of ethylene, 24:4324
KURIHARA, Hideaki Decay of 32.2 min ^{138}Cs to ^{138}Ba, 24:20402
Level structure of ^{138}Cs from the short-lived fission product ^{138}Xe, 23:21339
KURIHARA, Hirondo Addition reactions of ethanol to ethylene induced by gamma irradiation in gaseous phase. I, 21:23943
Addition reactions of ethanol to ethylene induced by gamma irradiation in gaseous phase. II, 21:23944
Radiation-induced polymerization of ethylene, 24:20839
Radioinduced polymerization of ethylene. I, 24:31386
KURIHARA, Hiroyoshi Development of inspection methods and techniques for nuclear facilities, 25:19019
KURIHARA, K. Present status of recovery of U, 25:37482
KURIHARA, Kunitoshi Time interval distributions in neutron detection, 23:13580
KURIHARA, Masayoshi Some electrical properties of the uranium—plutonium mixed oxides, 25:11991
Three phase region in system UO_2—PuO_2—Pu_2O_3, 25:58409
KURIHARA, S. Multistage image intensifier gamma camera, 23:33468
KURIHARA, Shigeyasu Characteristics of Toshiba gamma camera, 24:31696
Cobalt-60 rotatory conformation teletherapy unit, 22:265
Data processing systems in nuclear medicine, 24:31757
Development of universal scintillation scanner, 22:43046
Device for controlling the irradiation, 22:49006
Device for diagnosing a patient with radiation, 22:23589
Film isodose plotter, 23:19960
Recent instrumentation in nuclear medicine, 22:21395
Solar slit camera, 24:31697
Universal scintiscanner newly developed, 23:2625
Universal scintiscanner, 23:14018
KURIHARA, Tadashi Degradation of various rubber and plastic insulated wires, and compounds in exposure to γ radiations, 24:46819
KURIHARA, Yasuo Concentration of heavy water in sieve-plate column, 24:41623
KURIKI, Kyoichi Experimental study of a plasma flow in a magnetic nozzle, 24:42677
Experimental study on a plasma flow through a magnetic nozzle, 22:5364
Interaction between a magnetic field and a plasma flow behind a shock wave, 21:37421
KURIL'CHIK, V. N. Extragalactic radio sources. I. Radio spectra, 25:19369
Extragalactic sources of cosmic radio waves. II, 25:40237
Nature of radio sources in galaxies, 21:11360
Possible anisotropy in the radioemission of certain quasars, 24:42417
Radio emission of nearby galaxies at 3.5 cm, 24:25936
Radio emission of normal galaxies at 8 cm, 22:7100
Radio emission spectra of radio galaxies, 23:5194
Sgr A as possible cosmic-ray injector, 21:28893
Spectra of emission of extragalactic radio sources, 25:30150
KURILENKO, A. I. Graft polymerization of styrene on polypropylene, 21:5936
Modification of adhesion behavior of synthetic fibers by radiation grafting of fluoroolefins, 22:10300
KURILENKO, F. A. Use of borehole neutron pulse generator of pulsed neutron—neutron logging method on oil fields of Tatary, 24:9507
KURILKO, V. I. Amplification of longitudinal waves in a nonlinear dielectric by a charged-particle bunch, 21:29017
Cherenkov excitation of regular oscillations by modulated beam of charged particles, 23:51903

Deceleration of relativistic particles in lower layers of the atmosphere, 21:15143
Excitation and propagation of electromagnetic waves in a two-level system, 21:16942
Excitation of a magnetohydrodynamic waveguide by a coaxial waveguide, 21:15152
Excitation of intensive high-frequency oscillations in beam—plasma discharge, 23:27622
Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
Experiments on high-frequency heating of a plasma in a toroidal trap, 25:38392 (CONF-710607-144)
Heating of plasma ions by an external stochastic field, 23:18595
Nonlinear focusing of electromagnetic waves in a tow-level system, 22:11438
Nonlinear theory of Cherenkov excitation of plasma, 23:36703
Nonlinear theory of interaction of relativistic and nonrelativistic beams with plasma, 25:38429 (CONF-710607-61)
Stability of a modulated beam in a disk-loaded waveguide, 22:39530
Stability of electron cyclotron waves in plasma, 23:36720
Stability of modulated beam in disk-loaded waveguide, 21:19093 (NP-16567)
Theory of diffraction of electromagnetic waves in active media, 23:46519
Theory of nonlinear interaction of a modulated beam with plasma, 22:44177
Transverse instability in sectional linear accelerator, 25:20215
Vavilov—Cherenkov radiation in medium with inverse level population, 23:51902
KURILKO. V. I. Theory of the propagation of magnetohydrodynamic waves at the end of a waveguide, 21:15153
KURILOV, V. A. Characteristics and structure of sporadic-E layer during auroras, 24:39976
Geomagnetic activity, E/sub s/ formation, and ionospheric radio-wave absorption, 25:16997
Geophysical phenomena observed at Noril'sk during auroral displays, 23:20806
VHF emission of polar atmosphere, 25:33146
KURILOVICH, N. F. Effect of fast neutron irradiation on dislocation density in silicon, 22:37032
Microhardness of fast-neutron-irradiated silicon monocrystals, 22:41691
KURIMURA, T. Simian Virus 40 rescued from cell lines, 24:8023
KURIMURA, Yoshimi Enrichment of ^{32}P by activation of tripolyphosphate, 22:16591
KURIN, A. F. Unsymmetric electron gun for producing helical beam, 24:20295
KURIN, M. N. Determination of the relative difference between the mobilities of isotopic lithium ions in an ion-exchange resin—solution system, 25:54730
Separation of binary mixture of isotopes in an ion exchange column with superimposed direct current electric field, 21:3147
KURINA, L. N. Phase composition of system V_2O_5—TiO_2, 25:45136
KURISU, Kimiko Fundamental studies of the ion exchange separation of isotopes. VI, 25:39568 (ORNL-tr-2506)
KURITA, S. Application of pulse magnetic field to magneto-optical studies in semiconductors, 22:22226
KURITA, Yukio Electron spin resonance of radical pairs in x-irradiated single crystals of clathrate complex of hydroquinone with acetonitrile, 21:21974
Electron spin resonance of radical pairs in x-irradiated clathrate compounds of hydroquinone, 23:47481
Electron spin resonance of x-irradiated single crystals of zinc acetate dihydrate: hindered rotation of methylene group in free radical CH_2COO^-, 22:40140
Electron spin resonance spectra of x-irradiated single crystals of 3,3'-dithiodipropionic acid: "B $\cos^2$theta" rule for sulfur radicals, 21:12472
Optical and thermal conversion of V/sub k/ centers in x-irradiated hydroxylammonium chloride, 23:19800
KURITSIN, V. B. Transition of niobium into the superconducting state using nuclear magnetic resonance, 25:19628
KURITSYN, V. B. Quadrupole effects of second order in V_3Si, 23:32275
KURITZKY, C. S. Miniature tissue-equivalent ionization chamber for pulse dosimetry, 23:31560 (AD-684824)
KURIYAMA, A. Cluster expansion in nuclear matter, 22:27293
KURIYAMA, Atsushi Binding energy of nuclear matter by the hole line expansion method. I, 22:53250
Collective excitations in spherical odd-mass nuclei. I, 25:46125
Deuteron clustering in nuclear matter, 23:28332
Effects of correlation in the core on the motion of outer two-nucleons, 22:9954
Four-body correlation in nuclear matter, 22:53256
KURIYAMA, Etuko Influence of ^{60}Co γ-ray on potato, 25:19160
KURIYAMA, Isamu Study of textures of polyethylene polymerized by γ-ray irradiation in gas phase, 25:144
KURIYAMA, K. Differential cross sections in proton—profon scattering at 52.34 MeV, 22:13649
Differential cross sections in proton—proton scattering at 52.34 MeV, 22:24540
Differential cross sections in proton—proton scattering at 52.34 MeV, 22:26805
KURIYAMA, Shigeo Radioactivation analysis of Cd based on isotope-dilution principle, 22:52
KURIYAN, Jacob G. Decay widths of K resonances from a relativistic quark model, 22:34961
Master analytic representation, 23:15170
Master analytic representations and unified representation theory of certain orthogonal and pseudo-orthogonal groups, 22:35041
Noninvariance groups in particle physics, 22:3481
SL(2,C) in an infinite-momentum E(2) basis and calculations of form factors, 22:35032
Spectral-function sum rules and the Sugawara model, 23:46650
Threshold electropion production from current algebra and partially conserved axial-vector current, 22:50331
KURIYAN, Jacob George Representations of some noncompact groups and applications of non invariance groups to particle physics, 22:39459
KURJAK, Pavle Hot spot factor in thermal reactor calculations, 23:21476
KURKA, F. Corrosion behavior of IVa, Va, and VIa metals as well as Re, 23:10164
KURKA, G. Determination of fission gases in irradiated uranium dioxide, 23:2189
Effect of gaseous impurity contents during sintering of uranium dioxide, 21:41646
KURKA, Gerard Process for the fusion of materials and device for carrying the said process into effect, 21:18314
Techniques of continuous measurement of radioactive fission gases evolved in fuel elements, 25:57344 (CEA-R-4218)
Thermal gradients produced in UO_2 heated by the Joule effect, 25:4847
KURKA, J. Tests of automatic equipment of A 1 reactor, 23:40291
KURKIJAERVI, J. Thermal-noise voltage in Josephson Junction, 24:23918
KURKIJAERVI, Juhani Time dependence of pair correlation in fluids in terms of self diffusion and static structure, 23:3620 (LPTHE-TH-68/20)
KURKIN, I. N. Electron paramagnetic resonance of U^{3+} ions in $CaMoO_4$, 23:49812
Trivalent rare earths in cerium dioxide single crystals dysprosium, 22:13555
Trivalent rare earths in single crystals of cerium dioxide, 22:50252
KURKIN, M. I. Quadrupole splitting of NMR lines, 21:5331
Theory of NMR in ferromagnetics with low concentration of magnetic nuclei. II, 22:13563
Theory of nuclear magnetic resonance susceptibility of magnetic substances, 23:30658
KURKI-SUONIO, K. K = 1,2,3 octupole vibrations, 22:20705
KURKOV, S. A. Stationary electric arc in a narrow slit chamber, 23:14802
KURKUMELI, A. A. Fitting and welding of pipes of corrosion-resistant steels in atomic energy, 21:45876
KURKUMELLI, E. G. Distribution of alloying elements between phases on wear-resistant deposits, 23:46045
KURLAND, Leonard T. Thyroid cancer in Olmsted County 1935—65, 24:895
KURLANDZKI, J. Relativistic invariance and causality in the theory of continuous media, 25:43693
KURLYANDSKAYA, E. B. Certain aspects of the toxicology of insoluble compounds of ^{232}Th and ^{238}U, 25:4439
Effect of U_3O_8 on the body of the pregnant female and the foetus, 25:4446
Features of the biological effect of certain radioactive isotopes representing analogs of stable bioelements, 23:22373 (AEC-tr-6944, pp 333-9)
Toxicology of radioactive ^{59}Fe, 22:21450
Toxicology of radioactive ^{65}Zn, 25:21570
Toxicology of radioactive substances. III, 21:32743
Toxicology of radioactive substances. III, 22:21449
Toxicology of radioactive substances. IV, 25:4438
Toxicology of radioactive substances. V, 25:21871
KURLYANDSKII, A. S. Isobaric analog resonances, 24:38379
KURMAEV, E. Z. Band structure and superconductivity of A_3B-type intermetallic compounds with β-W structure, 22:5285
Electronic structure and interatomic bonds in some compounds and binary alloys, 23:34010
Energy band structure of binary alloys of V, 25:50003
X-ray spectra, energy band structure, and superconductivity of V_3X-type compounds, 24:35573
KURMAKAEV, Z. Kh. Problem of two rotating spherically symmetric bodies in general relativity, 21:17002
Some periods in the gravitational field of a rotating body, 23:16626
KURNAEV, O. V. Formation of secondary particles in IHEP accelerator, 24:30608 (CERN-Trans-70-2)
Project for slow ejection system for 70 GeV IHEP accelerator, 24:26541 (CERN-Trans-70-3)
System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
KURNAEV, V. A. Angular distribution of ion—electron emission from a Nb single crystal, 25:49701
Angular distribution of secondary electrons emitted by Nb due to bombardment with ions, 25:13969
KURNATOWSKA, A. Use of radioactive ^{64}Cu in chronic liver diseases, 23:48109
KURNATOWSKA, Aleksandra Metabolism of radioactive zinc in the liver damaged with C tetrachloride. II, 21:28556
Radioactive copper metabolism in chronic liver diseases, 23:4894
KURNATOWSKI, W. Lyophilized and radiosterilized bone grafts in dogs, 24:934
Radiosterilization of preserved tissues, 22:52093
KURNICK, N. B. Hematological response to isologous and homologous bone marrow transplantation, 22:51474
Preparation of tissues for liquid scintillation radioactivity counting, 23:11442
Survival of frozen stored bone marrow cells, 22:31187
KURNIK, E. Increasing protein content of maize by induced mutants, 25:24103
KURNISHKOV, I. S. Effect of β-mercaptoethylamine on genetical effectiveness of high-energy protons in somatic mammalian cells, 22:17040
Effects of various γ-ray dose rate on incidence of chromosomal aberrations in liver cells of mammals, 22:19314
General and cytogenetical radiosensitivity of mice as modified by hormone action, 22:17042
Protective effect of β-mercaptoethylamine during formation of chromosome aberrations in liver cells of mammals irradiated with γ rays, 22:51769
Protective effects of carbon monoxide in radiation-induced formation of chromosomal aberrations, 22:17043
KURNOSOVA, L. V. Cases of generation of heavy nuclei in solar cosmic rays, 22:21805
Composition of primary cosmic radiation, 22:21962
Cosmic-ray nuclei of the solar-activity minimum of 1964—1965, 22:13105
Forbush effect in nuclear component of the cosmic rays during sudden magnetic storms, 21:39836
Heavy nuclei in the primary cosmic radiation, 24:3211
Investigation of helium at pressures above the critical pressure for cooling superconducting system in space flight conditions, 22:44061
Measurements of energy spectra of multicharged nuclei, 25:30307
Modulation effects of the nuclear component of cosmic rays during the solar activity minimum, 22:21969
Nature of the radiation background at altitudes of 250 to 500 km, 25:56008
Preferential acceleration of heavy nuclei on the sun, 21:43737
Preferential acceleration of heavy nuclei in the process of generation of solar cosmic radiation, 22:23913
Some data on the nature of the radiation background at altitudes 250 to 500 km, 24:42557
Studies of nuclear component of cosmic rays during the period of minimum solar activity, 25:1029
Study of time changes of nuclear flux in primary cosmic radiation of Elektron-2 and Elektron-4 satellites, 21:31273
Tests of superconducting magnetic system with field H approximately 20 kOe on board a satellite, 24:23902
Tests on the maintenance under orbital flight conditions of low temperature assuring the operation of superconducting systems, 22:29432
Use of helium at pressures above critical for cooling superconducting systems, 23:44353
KURNYGINA, V. T. Experimental radiation leukopenia, 24:29781
KUROCHKA, L. N. Analysis of hydrogen-line profiles broadened by Stark and Doppler effects, 23:41843
Determination of electron density from emission lines of Balmer series, 22:43910
Determination of electron density in plasma, 24:17565
Doppler effect and the last resolvable line of the Balmer series, 23:1092
Electron concentration and structure of chromospheric flares, 24:42434
Hydrogen and calcium radiation of the chromospheric flares, 22:8989
Last resolved line in Balmer series, 25:2892
Limb flare of July 23, 1960, 22:45917
Line profiles of Balmer series, caused by combined action of broadening factors, 23:6850
Stark broadening of hydrogen lines, 22:1168
KUROCHKIN, A. V. Acoustic spark chamber using sonic wave reflection, 25:21432
Measurement of energy spectra of electrons and photons in spark chambers, 23:45552
Spark chamber power supply circuit with semiconductor trigger, 25:29374
KUROCHKIN, N. E. Quasars are stellar systems, 24:51303 (CSIRO-Trans-10245)
KUROCHKIN, S. G. Mass parameter of fission asymmetry, 25:59874
KUROCHKIN, S. S. Apparatus for Luna-10 automatic station for investigation of gamma radiation of lunar rocks, 22:43083
Read-out system with direct selection of information from wire spark chambers, 22:43107
Small-size 128-channel pulse analyzer, 22:8410 (AD-660962)
KUROCHKIN, V. A. Accelerating system of 1000-GeV cybernetic proton accelerator, 24:30606 (CERN-Trans-69-33)
KUROCHKIN, V. I. Machine estimate of homogeneity of magnetic fields of solenoids, 25:36077
KUROCHKIN, V. Ya. Laboratory complex for producing homogeneous magnetic fields by superconducting magnetic systems, 25:36079
KUROCHKIN, Yu. Ya. Activation autoradiographic determination of carbon in uranium network substructure, 23:47411
KURODA, H. Plutonium contaminated wound counters, 23:14007
KURODA, Hayao Measurement of α radioactive airborne dust collected on cellulose asbestos filter paper, 22:51099
KURODA, K. D(p,2p)n reaction at intermediate energy, 22:26808
Impulse approximation in ^3H(p,2p)n reaction, 25:3554
Measurement of the parameters P, D, R, and R' in proton—deuteron elastic scattering at 135 MeV, 21:29866
Polarization for the proton—deuteron elastic scattering at 155 and 138 MeV and slightly inelastic scattering at 155 MeV, 21:21425
Polarization parameter in π+-p and pp elastic scattering from 6 to 12 GeV/c, 21:9711
Proton—proton scattering at 600 MeV using a polarized target, 21:21417
Reaction D(p,2n)2 at 156 MeV, 25:17701
Subtraction method for high intensity counter experiments, 22:49086
Superconducting saddle-shaped magnets, 23:3428
KURODA, Kazufumi Radiolysis of ammonia, 23:40762
Radiolysis of gaseous ammonia at high densities, 23:15915

- Yield of hydrogen atoms in the vapor phase radiolysis of ammonia, 22:42781
- KURODA, Kei-ichi Measurement of cross sections and polarization in proton—deuteron elastic and inelastic scattering at 150 MeV, 21:23309
- KURODA, Kunishige Flux—jumping patterns of superconducting solenoids in a closed system, 21:41978
  - Tetrode-magnets device for focusing charged particles, 21:2568
- KURODA, M. Finite-energy sum rule as a test of the Pomeranchuk theorem, 25:20011
- KURODA, P. K. ^{122}In isomers, 25:50757
  - 14.8-MeV neutron activation cross sections of Ar, 22:20511
  - Beta decay of /sup 50g/Sc, 24:20365
  - Cosmic-ray-produced radioactivity in laboratory chemicals, 22:40107
  - Daily fluctuations of radioactive fallout particles in ground-level air, 25:29219
  - Dating methods based on extinct radionuclides ^{129}I and ^{244}Pu, 21:8431 (ORO-3235-10)
  - Dating methods based on extinct radionuclides ^{129}I and ^{244}Pu, 22:6462
  - Decay of ^{34}P and /sup 34m/Cl, 25:36700
  - Decay of ^{53}V and ^{57}Mn, 23:44877
  - Decay of ^{54}V, 24:49846
  - Decay of ^{62}Co isomers, 24:1812
  - Decay of ^{63}Co and ^{64}Co, 23:52123
  - Decay of ^{73}Ga, 24:49842
  - Decay of ^{78}As, 25:43881
  - Decay of /sup 106m/Rh, 25:31384
  - Distribution of ^{90}Sr and ^{144}Ce in the stratosphere, 22:35948
  - Distribution of low-mass fission yields in 14.8-MeV neutron induced fission of ^{238}U and ^{232}Th, 25:28385
  - Excess ^{129}Xe in meteorites, 22:38685
  - Excess ^{129}Xe and Te abundances in chondritic meteorites, 21:16003
  - Fallout from the Chinese nuclear explosion of June 17, 1967, 22:10383
  - Fissiogenic and radiogenic xenon in chondrites Beardsley and Holbrook, 23:30203
  - Fission and spallation xenon in meteorites, 22:2741
  - Fission products in atmosphere. I, 25:10714 (ORO-2529-28, App. 8)
  - Fission products in atmosphere. II, 25:10715 (ORO-2529-28, App. 9)
  - Fission xenon in chondrites, 22:34236
  - Fractionation of bomb-produced rare-earth nuclides in the atmosphere, 23:38115
  - Galactic and solar nucleosynthesis, 21:1997
  - Global circulation of nuclear debris from nuclear explosion, 5/14/65, 21:3191
  - Global circulation of radiocerium isotopes from nuclear explosion, 21:17742
  - Independent yields of ^{124}Sb, ^{126}Sb, and ^{136}Cs in 14.8-MeV neutron-induced fission of thorium and uranium, 23:17116
  - Indium-122 isomers, 25:25667 (ORO-3235-66)
  - Investigation of the reported ^{103}Mo isomer, 25:7874
  - Iodine, uranium, and tellurium contents in meteorites, 22:20
  - Isomeric cross-section ratios for some reactions induced by 14.8-MeV neutrons in Te isotopes, 22:42058
  - Isotope anomalies in rare gases, 25:32875
  - Jet stream and radioactive fallout, 25:10708 (ORO-2529-28, App. 2)
  - Magnesium-28 in rain: produced by cosmic rays, 21:6084
  - Manganese-58 isomers, 24:6881
  - Mass distribution in 14.8-MeV neutron-induced fission of ^{232}Th, 22:44704
  - Mass distribution in fission of ^{235}U by 14.8 MeV neutrons, 23:40065
  - Mass fractionation and isotope anomalies in neon and xenon, 24:48918
  - Mass-yield distribution of iodine isotopes from spontaneous fission of ^{242}Pu and existence of ^{244}Pu in early solar system, 22:1678
  - Neutron 14.8-MeV cross sections for (n,^{3}He) and other rare nuclear reactions on ^{103}Rh, 23:7326
  - Neutron activation (14.8-MeV) cross sections for chromium, 22:1616
  - Neutron activation cross sections (14.8 Mev) for ^{181}Ta(n,α) /sup 178m,g/Lu and ^{178}Hf(n,p) /sup 178m,g/Lu, 21:1105
  - Neutron activation cross sections for rubidium, strontium, zirconium, and niobium, 24:38162
  - New ^{110}Rh isotope, 25:15001
  - New isomer: 5.3-hr ^{103}Mo, 21:2713
  - New isotope ^{156}Pr, 25:7873
  - New isotope ^{160}Lu, 25:36796
  - Plutonium—xenon and iodine—xenon chronology of three light—dark-structured chondrites, 22:36627
  - Plutonium-244 in the early solar system, 22:4995
  - Plutonium-244 in the early solar system, 23:16595
  - Prog. rpt. on atmospheric radiochemistry, annual, 12/70, 25:10706 (ORO-2529-28)
  - Prog. rpt. on nuclear and cosmochemistry, annual, 1966, 21:14930 (ORO-3235-12)
  - Prog. rpt. on nuclear and cosmochemistry, annual, 6/69—7/70, 24:52477 (ORO-3235-55)
  - Promethium in pitchblende, 22:35950
  - Radioactive fallout in astronomical settings: ^{244}Pu in early environment of solar system, 22:23910 (ORO-2529-17)
  - Radioactive strontium and barium fallout, 25:4163
  - Radiocerium concentrations in ground-level air, 22:30716
  - Radiochemical and physical characteristics of single fallout particles, 22:12452
  - Radiochemical procedure for arsenic and germanium, 24:48156
  - Single fallout particles and ^{95}Zr from the Chinese nuclear explosion of 9 May 1966, 21:17740
  - Spontaneous fission-produced strontium isotopes in uranium minerals and salts, 22:39656
  - Temperature of Sun in early history of solar system, 25:32998
  - Temporal distributions of radioactivity and ^{89}Sr/^{90}Sr ratios during rainstorms, 25:10707 (ORO-2529-28, App. 1)
  - Temporal distributions of radioactivity and ^{89}Sr/^{90}Sr ratios during rainstorms, 25:15791
  - Variation of ^{89}Sr/^{90}Sr ratio in rain caused by Chinese nuclear explosions, 23:21828
  - Variation of radiocerium isotope ratio in rain, 25:10709 (ORO-2529-28, App. 3)
  - Worldwide movement of fallout particles from nuclear explosions, 25:29216
  - Yields of Ru isotopes from spontaneous fission of ^{238}U, 25:28384
- KURODA, R. Thin-layer chromatographic behavior of metal ions on DEAE-cellulose in thiocyanic acid—organic solvent mixtures, 25:6417
  - Use of DEAE-cellulose in inorganic thin-layer chromatography, 24:22762
- KURODA, Reiko Basic experiment on removal of radioactivity from water. II, 25:44435
- KURODA, Rokuro Adsorption behavior of a number of metals in hydrochloric acid on a weakly basic anion exchange resin, 22:40192
  - Anion-exchange separation and spectrophotometric determination of molybdenum and tungsten in silicate rocks, 24:13753
  - Cation exchange behavior of metal ions in ammonium sulfate media, 23:11619
  - Determination of Mo and W in seawater, 23:31292
  - Isotopic exchange chromatographic separation applied to ^{90}Sr and ^{90}Y mixture, 21:1302
  - Reversed-phase thin-layer chromatography of metal ions, 25:18337
  - Separation of Sc and rare earths by anion exchange in acetic acid—HCl mixtures, 21:8426
  - Thin-layer chromatographic separation of scandium, rare earths, thorium, and uranium, 22:51069
  - Thin-layer chromatography of metal ions, 24:16661
- KURODA, Sechuo Radioinduced mandibular necrosis cases, 21:22569
- KURODA, T. Distribution of naturally occurring radionuclides belonging to U decay series. I, 23:43668
  - Distribution of naturally occurring radionuclides belonging to U decay series. II, 23:43667
- KURODA, Tadashi Electrolytic reduction of K_2NbF_7 in an NaCl—KCl eutectic bath, 23:19696
  - K_2NbF_7—NaCl—KCl systems, 23:14362
  - Preparation of thorium metal by fused salt electrorefining of thorium carbide, 24:39615
- KURODA, Takeshi Distribution naturally occurring U decay series. IV, 23:48040
  - Distribution of naturally occurring U decay series. V, 23:40868
  - Distribution of naturally occurring radionuclides belonging to uranium decay series. III, 23:48035
- KURODA, Tetsuro Kinetics of beta-phase decomposition and precipitation of alpha—Zr in Nb—25 at. percent Zr superconducting alloy, 22:38567
- KURODA, Teturo Beta-phase decomposition and precipitation of alpha—Zr in Nb—40 at. percent Zr—10 at. percent Ti superconducting alloy, 23:41677
- KURODA, Tsukasa Field-evaporation end forms of a bcc metal surface, 24:51161
- KURODA, Tsutomu Engineering developments in QP experiments, 24:30356 (IPPJ-T-1)
  - Feedback control of the PIG discharge of the QP machine, 25:11921 (IPPJ-T-2)
  - Field configuration and a stable condition of plasma in PIG discharge tube, 23:3521
  - New type of plasma source, 24:40098
  - PIG discharges in various field configurations, 23:14818
- KURODA, Y. Differentiation of ommatidium-forming cells of D. melanogaster in organ culture, 24:23305
  - Thermodynamics of weakly connected superconducting rings, 22:13412
- KURODA, Yasumasa Electromyographic study on the effects of radiation applied to the spinal cord, 21:22754
  - In vivo dosimetry, 25:21706
  - Radiosensitivity of bone marrow stem cells. II, 23:10038
  - Thermoluminescence dosimetry 1st report, 22:51267
- KURODA, Yasuo Compatibility of U(N,C) with potential cladding materials, 24:14915
- KURODA, Yoshihiro Electron—phonon interaction and superconductivity in non-magnetic dilute alloys, 22:41536
- KURODA, Yoshikazu Doses scattered from a phantom irradiated with 80 to 200 kV x-rays and ^{60}Co γ-rays, 21:45635
  - Isodose curve for patient treated by Ra intracavitary irradiation, 21:39430
- KURODA, Yoshio Effect of amino acids on ^{65}Zn incorporation by Ehrlich ascites tumor cells in vitro, 22:28316
- KURODA, Yoshiteru Atomic energy research in Japan for ten years, 23:43222
  - Optimal control of a nuclear reactor system with distributed parameters. I, 24:36082
- KURODA,T Distribution of naturally occurring radionuclides belonging to U decay series. III, 23:31731
- KUROHARA, S. S. Testicular tumors, 21:34802
- KUROHARA, Samuel S. Irradiation in endometrial carcinoma, 24:17111
  - Post-irradiational recurrent epidermoid carcinoma of the uterine cervix, 25:26887
  - Radioinduced regression of chylothorax following therapy for abdominal lymphosarcoma, 21:3418
  - Response and recovery of liver to radiation as demonstrated by photoscans, 21:41513
  - Simple modification of Stockholm applicator for treatment of early cancer of uterine cervix, 23:33797
- KUROI, H. Activities on modular code systems in Japan, 25:44188 (EACRP-A-135, pp 69-86)
  - Correlation of integral data and cross sections in intermediate energy cores, 24:22388
  - Heterogeneity study for an intermediate-energy core programme, 22:35647
- KUROI, Hideo Correlation between group cross sections to be adjusted by use of integral data, 24:16297
  - Cross sections of ^{239}Pu, 24:1841
  - TRABLL: a computer code for transient boiling of reactor coolant in single channel, 25:51064 (JAERI-13602)
- KUROKAWA, Hidekazu Form factors and sum rules for πK amplitudes, 24:47442
- KUROKAWA, Kazuo Anion exchange separation of Ca, Sr, and Ba with mixed eluents, 22:4241
  - Effect of heating and γ-irradiation on the enzyme action susceptibility of egg white proteins, 21:26334
  - Effect of heating and γ-irradiation on enzyme action susceptibility of egg white proteins, 22:28306
- KUROKAWA, Kozuo Anion exchange separation of Be, Mn, Ca, and Sr, 23:9528
- KUROKAWA, Pyosuke Measurement of neutron slowing down time in hydrogeneous moderators, 23:19116 (JAERI-1168)
- KUROKAWA, Ryosuke Measurement of anisotropic diffusion coefficients in H_2O—Al slab, 25:23359
  - Measurement of control rod worths in graphite moderated core, 23:26031 (JAERI-1173)
  - Measurement of neutron slowing down time in graphite, 21:27508
  - Measurement of prompt neutron decay constant in delayed critical state of heavily reflected reactor, 22:1869
  - Pulsed neutron source for thermal reactor physics, 22:22538
- KUROKAWA, S. Production of monochromatic γ rays by collimation of coherent bremsstrahlung, 25:47715
- KUROKAWA, Shigeki Case of occupational acute accidental radiation injury, 22:51988
  - Human leukemias following radiotherapy, 24:2754
  - Some considerations on leukemias developed after therapeutic irradiation, 25:6806
- KUROKI, Hiromu Isolation of titanium(IV), zirconium(IV), niobium(V), tantalum(V), tin(IV), and thorium(IV) by precipitation with phytin, 22:33319
- KUROKI, Toshio Chemical carcinogenesis in vitro, 25:8746
- KUROKOCHI, Teruo Earthquake-proof design for piping systems, 23:19881
- KURONUMA, Eiichi Theory of evolving universe based upon metrical considerations of space, time, and mass, 23:5196
- KUROPATENKO, E. S. One scheme of modeling particle trajectories in systems of complex geometry, 22:34735
- KUROPATENKO, V. R. Approximative method of calculating physical quantities behind a shock-wave front, 25:57290 (UCRL-Trans-10539)
- KUROSAKA, Takashi Economics of the desalination of sea water, 25:23375
- KUROSAWA, Akira Environmental and on-board tests of the instruments, 24:4119
  - Main cooling system for reactor plant in first nuclear powered ship, 24:2048
  - Thermo-hydraulic model test of the first nuclear ship reactor in Japan, 24:2051
  - Two phase flow behavior induced by ship's motion, 22:16249
- KUROSAWA, Fumio Method for measuring relative neutron capture in ^{238}U, 25:25776
- KUROSAWA, Hiroshi Influence of massive dose irradiation of ^{60}Co to the mammal. II, 21:26525
  - Influence of massive dose irradiation of ^{60}Co to the mammal, 21:26567
- KUROSAWA, Kiyoyuki Routine production of ^{51}Cr. 24:31366
  - Routine production of ^{64}Cu, 24:31367
- KUROSAWA, Ryuhei Determination of collecting and detecting efficiencies of various filters by alpha-spectrometry, 23:9618
  - Neutron activation analysis of vanadium, 23:11458
  - Nondestructive analysis of Si and Al in a coal, 22:33251
  - Proportional counter for determination of primary particle concentration of radon daughters, 25:23792
  - Pulse type double construction ionization chamber, 25:23791
  - Radiological hazard evaluation of atmosphere in the U mine, based on the determination of "f" value, 22:8544
  - Radon daughter removal characteristic of air-purifying respirators, 23:47681
  - Respirator for radon daughter protection, 24:14139
- KUROSU, Kenji Study on curved pipe steam generator, 25:18586
- KUROSU, T. Application of critical assembly Na-void studies to 350-MW(e) demonstration fast breeder reactor, 23:37468
- KUROSU, Tatsuo Fast neutron detection with solid state detector, 22:12587
- KUROTAKI, Katsumi Ion-exchange adsorption of radionuclides by ferrocyanide molybdate, 24:9442
- KUROTSUCHI, M. Radiation injuries of urinary tract, 23:4998
- KUROV, G. A. Electrical resistance and transparency of films of Mg—Sb, Mg—Bi, and Mg—Sn alloys, 25:10344 (BNL-tr-386)
- KUROV, M. A. Alpha measurement for ^{235}U and ^{239}Pu, 25:36748
  - Cross section ratio of radiative capture and (α) fission for ^{235}U and ^{239}Pu, 24:49856 (JINR-P3-5113)
  - Measurement of ratio α of radiative-capture and fission cross-sections for ^{239}Pu in energy range of neutrons 0.1-30 keV, 25:38989 (LB/G-2876)

Measurement of the ratio of the radiative capture to fission cross sections (α) for ^{239}Pu in the neutron energy range 0.1 to 30 keV, 25:56734 (BNL-tr-446)
Measurements of radiative-capture-to-fission cross sections (α) for ^{235}U and ^{239}Pu, 25:15075
Radiative capture/fission cross section ratio (α) for ^{239}Pu in 0.1- to 30 keV neutron energy range, 25:50740
KUROV, V. A. Loop channel with natural coolant circulation for fuel-element tests, 25:39622 (LB/G-3021)
KUROYANAGI, T. Internal conversion electron measurement by Si surface barrier detector, 23:7758
Levels in ^{185}W from the decay of /sup 185m/W and ^{185}Ta, 23:44936
KURPINSKA, M. Eight-color photometric study of the eclipsing binary 44 i Bootis, 24:17434
KURPISZ, L. Steam generators for PWR nuclear plants, 23:31164
KURPIYANOVA, T. A. Application of the dependence of line intensity on the accelerating voltage for determining the concentration in x-ray microanalysis, 25:37279
KURRLE, G. R. Role of irradiation in treatment of carcinoma, 25:21803
KURRLE, J. E. Equation of state of detonation products, 24:33618 (UCRL-72173)
KURSAKOV, V. N. Limits of the instability of trapped particles in a finite-pressure plasma in toroidal systems, 25:22545
KURSANOV, A. Isotopes in plant physiology and biochemistry, 25:46671
KURSANOV, D. N. Effect of substituents on hydrogen exchange reaction of some ferrocene derivatives, 25:4069
Influence of methyl group on rate of H isotope exchange in o-, m, and p-positions of toluene-chromotricarbonyl in alkali media, 22:42691
Isotopic exchange of arene chromium tricarbonyls in an acid medium, 24:38819
Isotopic exchange of hydrogen in hexasubstituted benzene derivatives, 23:37974
Kinetic isotope effects in hydrogen exchange reactions of ferrocene with acid and base, 21:15899
Mechanism of isotopic hydrogen exchange of sec butyltrifluoroacetate, 21:25854
Rate of isotopic exchange of ferrocene hydrogen, as influenced by acidity of the medium, 22:27643
Study of hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl-manganese tricarbonyls in acid media, 21:15910
Use of correlation equations in the case of the isotopic exchange of hydrogen in the ferrocene series, 21:19593
KURSANOV, Yu. V. Calculation of average resonance charge exchange and electron ionization cross sections of an accelerated atomic beam, 21:18439
Emission of energetic ions from a Penning discharge, 24:37454
Ion emission from a beam—plasma discharge, 25:22500
Production of negative hydrogen ions in a plasma with a double sheath, 25:35843
KURSHAKOV, N. A. Acute radiation injury in man, 21:6604
Changes in kidney under ionizing radiation, 24:23386
KURSKII, Alexandr Kuzmich Weight and radioactive concentation of aerosols, 25:18685
KURSKII, M. D. Effect of serotonin on ^{32}P and glycine-1-^{14}C incorporation, 23:35779
KURSTEDT, H. A. Jr. Analysis of the inertial effect on fast-pulse reactor behavior, 22:33032
Core-displacement reactivity coefficient of a fast-pulse reactor, 23:4333
Functional testing of engineered safety systems, 24:33383
Short-interval series pulsing-experimental studies and numerical experiments, 25:10282
Temperature formulation of the reactor kinetics equations, 23:4426
Temperature formulation of the space-averaged reactor kinetics equations, 25:20829
KURSTEDT, Harold A. University research using fast burst reactors, 24:11261 (CONF-690102-, pp 613-23)
KURSTEDT, Harold A. Jr. Roots and coefficients for reactor-kinetics equations, 23:47324
KURSUNOGLU, Behram Conference on symmetry principles at high energy, fourth Coral Gables, University of Miami, 1/67, 21:29597
Conference on symmetry principles at high energy, Coral Gables, Fla., 1/68, 22:39440
Dynamical theory of baryons and leptons, 21:37774 (CTS-HE-67-4)
Dynamical theory of baryons and leptons, 21:44291 (AD-657959)
Dynamical theory of hadrons and leptons, 22:22421
Landau damping in a relativistic plasma, 21:25125 (CTS-PA-67-1)
Leptonic triplets, 21:44254 (AD-657984)
Periodicities in hadron spectroscopy, 25:47873
Return of noncompact groups, 21:29598
Some new ideas on the dynamical origin of symmetries, 21:44418
Space—time and origin of internal symmetries, 21:25328
Symmetries of a relativistic plasma, 23:44425
Theory of relativistic supermultiplets. I, 24:30547
Theory of relativistic supermultiplets. II, 24:45497
Theory of relativistic supermultiplets. II, 24:52053 (N-70-29877)
Unitary representations of U(2,2) and massless fields, 21:31610 (AD-654316)
Wave equation for all spins and leptonic multiplets, 22:39441
KURSUNOGLU, Behram N. Stochastic processes and relativistic plasma, 24:51654 (AD-708182)
KURT, V. G. Absorption of soft x rays in the interstellar medium and the spectrum of the source Sco X-1, 22:52435
Diffuse x-ray background of cosmic space, 22:43950
Estimate of the energy density of subcosmic rays from measurement of the ultraviolet background, 22:31668
Far ultraviolet radiation from Milky Way, 22:29051
Flux of low-energy protons near the Moon on December 13, 1966, 25:11669
Investigation of recording devices used for measuring uv radiation in the upper atmosphere and cosmic space, 21:39882
Measurements of ultraviolet radiation from Venera-5 and Venera-6, 25:40304
Observation of scattered L/sub α/ radiation in vicinity of earth and interplanetary space, 22:29135
Observations and interpretation of the ultraviolet radiation of the Galaxy, 22:36586
Recombination of H in hot model of Universe, 22:43751
Scattering of solar Lyman-α radiation by galactic hydrogen, 22:824
KURTEN, B. Iodine-131 uptake in andrenalectomized female rat, 24:2554
KURTEPOV, M. M. Behavior of extractant TBP + CCl$_4$ under irradiation, 21:28020
Corrosion and electrochemical behavior of some metals and alloys solutions of hydrochloric acid at low temperatures, 23:8122
KURTH, Rudolf Introduction to stellar statistics, 24:8241
KURTH, U. Thorotrast late lesion, 25:39947
KURTI, N. High magnetic fields and nuclear cooling, 22:22222
Spins and cryogenics, 21:15082
KURTIN, S. L. Optical reflection studies of damage in ion-implanted silicon, 24:10606
KURTIN, Stephen AC superconducting solenoid for kilogauss field modulation, 21:25099
Iom implantation damage of Si, 23:27684
KURTIN, William E. Photochemistry of flavins in pyridine and with a donor, 21:25835
KURTMULLAEV, P. Kh. Investigation of cylindrical waves in a rarefied plasma, 22:5369
KURTMULLAEV, R. Kh. Collisionless relaxation of an ultrarelativistic electron beam in a plasma, 25:38414 (CONF-710607-68)
Collisionless shock waves in a rarefied plasma, 22:5372
Cylindrical waves in a diluted plasma in presence of strong collisionless dissipation, 22:15535
Fine structure of shock waves in a plasma and the mechanism of ion-acoustic turbulence saturation, 25:38436
Influence of dispersion effects on the structure of a shock wave in a magnetized plasma, 21:33447
Investigation of the cylindrical waves in rarefied plasma, 21:33417
Investigation of the cylindrical waves in rarefied plasma, 23:34470 (AD-679537)
Investigation of the ion spectrum of a plasma heated by a shock wave, 23:51620
Investigation of turbulent processes in the front of a shock wave in a plasma, 23:32367
Isomagnetic discontinuity in a collisionless shock wave in a plasma, 25:36125
Isomagnetic discontinuity in a collisonless shock wave, 25:52799
Isomagnetic jump in front of a strong collision-free shock wave, 22:24292
Results of recent research on the anomalous resistance of a plasma, 25:38431 (CONF-710607-67)
Shock waves propagating along a magnetic field in a collisionless plasma, 25:30620
Thermal shock waves in plasma, 25:33251
Thomson scattering of ruby laser light behind a collisionless shockwave front, 23:51605 (NP-tr-1840)
Turbulent processes in a plasma shockfront, 23:46460 (NP-tr-1836)
KURTSER, B. M. Changes in the protein and amino-acid composition of rabbit serum with external irradiation, 23:38470
KURTSEVA, N. N. Phase diagrams of silicate systems, 24:16493
KURTZ, D. A. Multiple sample irradiator for pool reactors, 21:38676
KURTZ, E. Resonance energy and yield measurements with a Ge(Li) detector, 23:19187
KURTZ, Edward F. Testing of instruments and material balance methods for plutonium safeguard control, 25:4297
KURTZ, L. A. Condensation on fluted surfaces, 24:9189 (ORNL-4479)
KURTZ, Maurice K. Nuclear excavation research, 23:24339
KURTZ, Maurice K. Jr. Formation of a crater as observed in a series of laboratory-scale cratering experiments, 22:8241 (PNE-5011)
Pre-Gondola seismic site calibration, 22:35926 (PNE-1100)
Technical Directors report on Project Pre-Gondola I, 22:35965 (PNE-1102)
KURTZ, N. Coherent production of 3 charged pions analysed by means of the longitudinal phase space plot, 25:50076
π and K mesons used for investigating light nuclei structures, 25:56653 (LYCEN-7104, S4.1-10)
KURTZ, Nicole Clusters in carbon, nitrogen, and oxygen nuclei, 24:45741
KURTZ, R. Statistical study of micropulsation polarizations, 24:51538
KURTZ, Robert G. Accelerated ion plating of SPR-II reactor parts, 21:36805 (RFP-969)
Vacuum accelerated-ion deposition, 23:27002 (RFP-1295)
Vacuum coating of boron nitride, 23:27001 (RFP-972)
Vapor—ion methods of film deposition, 25:12904 (RFP-1568)
KURTZMAN, R. S. Production of ^{15}O using a relatively low energy particle accelerator with a vacuum gradient system as a window, 25:53442
KURUCZ, Robert Effects of line blanketing on the solar windows, 22:17286
KURUCZ, Robert L. Rocket ultraviolet spectra of A stars, 22:41219
Source function, mean intensity, and flux in a model atmosphere, 23:22729
KURUSA, Emma Complex developmental malformations in a child after x-ray examination during pregnancy, 21:11064
KURUSU, Akira Radiation exposure and aging immunity. I, 25:16061
Radiation exposure, aging, and immunity. II, 25:26664
KURY, George Supralethal total-body x irradiation effects on spinal cord, 22:49567
KURY, J. W. Adiabatic expansion of high explosive detonation products, 23:11388 (UCRL-50422)
Metal acceleration by composite explosives, 24:33616 (UCRL-72171)
KURY, John W. Standard test for detonation pressure measurement, 23:40526 (UCRL-50645)
KURYLA, William C. Polyurethane elastomers from post-grafted polymer—polyol systems, 21:15930
KURYLO, Michael J. ESR study of kinetic isotope effect in reaction of H and D atoms with CH$_4$, 24:27081
KURYLO III, Michael John Kinetics and kinetic isotope effect in the reactions H/D + CH$_4$ as studied by gas phase ESR spectrometry, 24:48095
KURYSHEV, V. S. Status report of the ITEP proton-synchrotron operation, 21:29712
KURYUSHKINA, A. A. Mutagenesis induced by uv-irradiation in B. subtilis, 25:26729
KURZ, George H. Cataract secondary to microwave radiation, 23:5035
KURZ, H. Diffraction of thermal neutrons by a ruled grating, 23:17069
KURZ, H. E. Excitation functions of the ^{197}Au(α,xn) reactions in the energy range from 16 to 103 MeV, 25:36745
KURZ, J. L. Experimental electrode current distributions in MHD channels, 23:1244 (AD-670527)
KURZ, Jerome Leigh Experimental electrode current distributions in MHD channels, 23:10486
KURZ, Michael E. Aromatic oxygenation with diisopropyl peroxydicarbonate—cupric chloride, 22:21066
KURZ, N. Investigation of the $\mu^- + {}^{12}C \rightarrow {}^{8}Li + {}^{3}He + n + \tau$ reaction, 25:53516 (JINR-P1-5893)
KURZ, R. Fast ADC for pulse height analysis, 23:41102 (EUR-4289, pp 179-91)
System for multiparameter pulse height analysis with repeated use of a single, fast ADC, 25:59668
KURZ, R. J. Pion—antipion lifetime comparison, 21:25276
Search for decay mode eta$^0 \rightarrow \pi^0\gamma\gamma$, 22:5494
KURZ, Rainer Radiation monitoring system utilizing pseudo-coincidence techniques, 25:21404
KURZ, Richard High altitude cosmic ray experiments using small superconducting magnet, 22:36760 (UCRL-18149)
KURZ, Richard J. Comparison of π^+ and π^- lifetimes, 21:33596
Positive-pion production in inelastic π^-p interactions between 500 and 1300 MeV, 21:18921
KURZ, Rudolf Crack formation nitrided components of X6CrMo4, 25:8940
KURZ, U. Separations of low abundant rare earth isotopes, 25:44516 (BMBW-FBK-70-28, pp 203-8)
KURZ, W.. Velocity of sound in iron and iron alloys in the solid and molten state, 24:53050 (LA-tr-70-21)
KURZ, Wilfried Growth of the Ni—W eutectic, 25:16535
KURZECK, C. New masses for nuclides with A > 212, 23:21366
KURZEJA, J. Conference on powder metallurgy, Krakow, 9/67. I, 23:48520
Conference on powder metallurgy, Krakow, 9/67. II, 23:48544
KURZEKA, W. J. Development of nuclear reactor bearings for 1500°F space operation, 25:27200 (CONF-691114-7)
Irradiation test of SNAP 8 actuators, position sensors, and limit switches, 21:8014 (NAA-SR-12042)
Irradiation test of SNAP 8 candidate spring materials, 21:34934 (NAA-SR-11519)
KURZIUS, Shelby C. Combustion of zirconium droplets in oxygen/rare gas mixtures, 25:22064
KURZMANN, H. Testing a transport cask for unirradiated nuclear fuels, 24:16821
KURZWEG, L. Electron capture and loss in collisions of heavy ions with atomic oxygen, 25:52675
Excitation of 3914 A N$_2^+$ radiation in collisions of heavy ions with N$_2$, 23:14621
KURZWEG, Lutz Excitation of 3914-A N$_2^+$ radiation in collisions of heavy ions with N$_2$ and fine structure effects in Ly-α, 25:43151
KURZWEILOVA, H. Investigation of actinides. I, 22:44982 (RFP-Trans-49)
KUS, J. E. Features and performance characteristics of the Packard Osteodensitometer, 25:4635 (CONF-700515-, pp 48-57)
KUS, Joseph E. Liquid scintillation sample standardization apparatus, 24:5902
KUSAINOV, A. K. Immediate results of treatment of bone sarcomas of limbs under conditions of local hypoxia, 24:34418
KUSAINOV, M. K. Grapho-analytic calculation for MHD generator channel, 21:35057
One-dimensional plasma flow in the channel of MHD-energy converter, 21:43858
KUSAK, Vlastimil Bronchogenic pulmonar carcinoma in U miners, 24:32027
KUSAKA, Takashi Growth of solid particles in the primordial solar nebula, 25:24790
KUSAKA, Y. Rapid determination of boron in glass by prompt γ-ray measurement, 25:57369 (RFP-Trans-83)
KUSAKA, Yuzuru Nondestructive determination of elements by prompt gamma ray spectrometry, 24:31271
Radioactivation analysis of Si and Al with 14 MeV neutrons, 22:40038
Radioactivation analysis of trace elements in rice, 22:50

  - Radioactivation analysis of trace elements in rice plants, 22:33286
  - Rapid analysis of B in glass by prompt γ measurement, 21:40782
  - Rapid chemical separation, 25:57521 (KURRI-TR-76, pp 15-18)
- KUSAKABE, Takashi Effect of nonmagnetic impurities on superconductivity of a two-band model, 25:40533
  - Effect of superconductivity on localized magnetic states, 25:40532
  - Non-magnetic resonance scattering in two-band superconductors, 25:58935
  - Superconductivity in transition metals with nonmagnetic impurities, 24:47172
  - Superconductivity of lanthanum and uranium, 25:38317
- KUSAKABE, Tsunesuke Interaction of the thyronines and their binding proteins in serum, 23:11955 (CONF-671111-, pp 273-91)
  - Radioimmunoassay of protein hormones, 24:31776
- KUSAKARI, H. Measurement of spin correlation parameters A/sub xx/ and A/sub yy/ of proton—proton scattering at 50 MeV, 22:26806
- KUSAKARI, Hideshige Control system of goniometer for in-beam spectroscopy, 25:49038 (INS-TL-111)
- KUSAMA, Keiighi Determination of tritium distribution in uracil and uridine. I, 22:47105
- KUSAMA, Yasuo Effect of dose rate on the radiation graft polymerization of acrylonitrile onto poly(vinyl chloride) fiber, 25:54613
- KUSANO, N. Newest reports on late damages caused by the atomic bomb explosions in Hiroshima and Nagasaki (1965), 23:4996
- KUSAYANAGI, E. Interactions between defects in Type-II superconductors, 23:42141
- KUSAYANAGI, Eiichirou Induced motion of magnetic flux line in two adjacent superconducting films, 22:41525
- KUSCER, I. Advances in neutron thermalization theory, 22:30370
  - Analysis of a neutron pulse in a slab using the reciprocity princple, 21:7669
  - Bi-orthogonality relations for solving half-space transport problems, 21:7570
  - Closure relations for the eigenfunctions of the one-speed transport equation, 21:33576
  - Half-range orthogonality relations for neutron transport with a separable kernel, 21:7647
  - Reciprocity in time-dependent neutron transport theory, 21:13794
  - Spectrum of relaxation lengths of neutron distributions in a moderator, 23:15339
  - Symmetries in scattering of slow neutrons, 24:15770
  - Time-dependent Green's functions in neutron transport, 22:13912
- KUSCER, Ivan Buckling and relaxation times in decay of neutron pulses, 24:3826
  - Equivalence of special models in energy-dependent neutron transport and nongrey radiative transfer, 21:5468
  - Relaxation problems in neutron transport and in the kinetic theory of gases, 24:8816 (ORO-3858-1, pp 380-414)
- KUSCH, H. J. Broadening and shift of calcium lines by microfields, 24:10516
- KUSCH, Hans Juergen Broadening of cadmium lines by microfields, 21:39736
  - Broadening of lithium lines by microfields, 22:36609
  - Broadening of spectral lines of carbon by microfields, 21:39738
  - Broadening of zinc lines by microfields, 21:39737
  - Pressure broadening and shift of titanium lines by argon, 22:47794
  - Van der Waals-width of neutral silicon lines in argon, 21:46370
- KUSCH, P. Interaction between a neutral atomic or molecular beam and a conducting surface, 23:25137
- KUSCH, W. Alpha decay of ^{245}Cf, 22:44683 (JINR-E6-3992)
  - Electron conversion spectrum from ^{204}Po decay by electron capture, 25:1762
  - Electron-capture decay of ^{204}Po, 24:6895
  - Investigation of weak radioactivities of lead—zinc ores volatile fraction by means of α—x coincidence method, 25:15761 (JINR-P6-5307)
  - Level structure of near ^{208}Pb nuclei (neutron-deficient Pb and Bi isotopes), 24:40609 (INR-1169)
  - Some decay properties of ^{251}Fm and ^{252}Fm, 21:44716
- KUSCH, Wlodzimierz Level structure of near ^{208}Pb nuclei (neutron-deficient Pb and Bi isotopes), 25:56798
  - Nuclear research with heavy ion accelerators, 23:23704
- KUSCHEL, G. Flow of mercury in a rotating torus with inductive transmission of forces affected by an azimuthal magnetic field, 23:16701
- KUSCHNER, Marvin Cytology of sputum prior to the development of carcinoma, 21:11046
  - Studies in pulmonary carcinogenesis, 24:27676 (CONF-691001-, pp 321-51)
- KUSER, Harry C. Isotopic propellant level indicator for small arms loaded rounds, 22:38133
- KUSH, George S. Evaluation of renal function, 23:45820
  - Handling, uses, and radiation dosimetry of ^{133}Xe, 24:50886 (CONF-691212-, pp 253-70)
  - Quantification of image studies obtained with a scintillation (Anger) camera, 24:32106
  - Regional pulmonary function evaluation, 24:12197
- KUSH, S. T. Anomalous resistivity in a steady-state, current-carrying discharge-tube plasma, 25:7394
- KUSH, V. Decay properties of ^{251}Fm and ^{252}Fm, 21:33961 (JINR-E6-3386)
  - Electron-capture decay of ^{204}Po, 22:42013 (JINR-E7-3868)
  - Rapid method for isolation of rare earth and transplutonium elements from uranium targets irradiated by heavy ions, 24:44034
- KUSHAKOVSKII, V. I. Hot pressing of beryllium oxide and strength of the pressed specimens, 25:45118
  - Reaction of zirconium and hafnium mixtures with thallium oxides at 1000°C, 22:30571
- KUSHCHENKO, N. I. Investigation of the separation of nitrogen and oxygen isotopes by nitrogen oxide distillation, 21:19739
- KUSHCHEVS'KII, A. E. Formation of new phases in systems strontium oxide—samarium, gadolinium, and dysprosium oxides, 23:48564
  - Interaction of samarium and strontium oxides, 25:19284
  - Phase diagram of system Dy$_2$O$_3$—SrO, 25:32831
- KUSHEL, G. Magnetohydrodynamic flow in a rotating torus, 23:48793
- KUSHELEVA, A. F. Spectrophotometric determination of small amounts of scandium and yttrium in each others presence, 25:57318
- KUSHELEVSKY, A. P. Determination of radiolysis products of amino acids, 24:25080
- KUSHEV, V. Effect of pharmacological agents on the elimination of ^{198}Au, 21:36624
- KUSHEV, V. V. Correction of molecular heterozygotes, 23:9925
- KUSHIBE, Hiroyuki Residual attenuation of shear waves in aluminum, 21:2163
- KUSHIDA, Toshimi Concrete works in Tsuruga Atomic Power Station of Japan Atomic Power Company, 24:19486
- KUSHIDA, Toshimoto Pressure dependence of the Knight shift in Al and Nb metal, 25:17320
- KUSHIN, V. V. Increasing the efficiency of alternating-phase focusing in linear accelerators, 25:33934
  - Limiting current in a linear accelerator with variable-phase focusing, 25:50582
  - Linear proton accelerator I-2. II, 22:32404
- KUSHINSKY, Stanley Use of self-cleaning oven to clean liquid scintillation vials, 23:45391
- KUSHIRO, Ikuo Major element variation and possible source materials of Apollo 12 crystalline rocks, 25:24838
- KUSHKO, L. M. Radiogenic origin of argon in the composition of natural and petroleum gas, 21:28089
- KUSHKOWSKI, Peter Connecticut Yankee monitoring system, 23:49527
- KUSHNAREVA, N. P. Structure sensitivity of plastic properties of electron-beam-melted molybdenum alloys, 21:20503
- KUSHNER, M. Exact determination of Gamow—Teller matrix elements for supermultiplet states, 21:5588
  - Exact determination of Gamow—Teller matrix elements for supermultiplet states, 22:13797
- KUSHNER, Richard Temperature dependence of reaction yields from recoil tritium reactions. I, 23:19789
- KUSHNER, S. Enzymatic mechanisms for the repair of uv irradiated DNA, 24:48755
  - Enzymes in repair of uv irradiated DNA, 23:47972
- KUSHNER, Sidney Repair of UV-irradiated DNA, 25:10959 (BNL-50203, pp 27-40)
- KUSHNER, Sidney R. Enzymatic repair of deoxyribonucleic acid. IV. Mechanism of photoproduct excision, 25:57928
  - Enzymatic repair of DNA. I, 23:38469
  - Enzymatic repair of DNA. III. Properties of the UV-endonuclease and UV-exonuclease, 25:57935
- KUSHNEREV, A. Ya. Emergency personal dosimeters for gamma-neutron radiation, 24:7662
- KUSHNEREVSKII, Yu. V. Anisotropy of small-scale irregularities and motions in F2 layer, 21:5160
  - Drift of small-scale inhomogeneities at Mirny (the Antarctic), 21:39927
  - Drifts in F2 region in the IGY and IQSY periods, 24:17787
  - Drifts in F2 region over Moscow in the IGY and IQSY periods, 24:17786
  - Ionospheric turbidity, 21:29109
  - Relationship between S/sub q/-variations and drift in ionosphere, 22:34417
- KUSHNERIUK, S. A. Calculated neutron flux spectra in samples irradiated in a tray rod facility of the NRU reactor, 24:49849 (AECL-3519)
  - Calculated thermal neutron flux spectra inside a water annulus, 24:2012 (AECL-3364)
  - Dispersion of radioactivity in a closed coolant system, 25:20730
  - One-velocity neutron flux distribution in a cylindrical cell, 21:35380 (AECL-2709)
  - Thermalization calculations in a cylindrical shell, 21:38431 (AECL-2708)
- KUSHNIR, A. J. Interphase boundary waves in the intermediate state of lead, 25:9363 (NYO-2150-64)
  - Interphase boundary waves in the intermediate state of lead, 25:30429
- KUSHNIR, Yu. A. Angular anisotropy of gamma quanta and kinetic energy of fission fragments, 22:18269
  - Angular measurement of fission fragments in ionization chambers, 23:11852
  - Angular measurements of fragments of fission in an ionization chamber, 22:48589 (SRARI-P-3)
  - Multiparameter investigation of anisotropy of γ quanta emission at ^{235}U fission, 22:48555
- KUSHNIRENKO, A. N. Convergence of approximations for S-matrix of scattering in method of moments, 21:19079
  - Existence of the pseudovector isospinor heavy boson and a new model for hadrons, 25:56477
- KUSHNIRENKO, E. A. Bremsstrahlung in electron—electron scattering at 2 x 160 MeV, 22:44304
  - Check of quantum electrodynamics in electron-electron scattering, 22:20109 (NP-17322)
  - Electron—electron scattering at 2 x 135 MeV, 22:11815
  - Electron—electron scattering at energy of 2 to 135 MeV, 21:33166
  - Test of the quantum electrodynamics by electron—electron scattering, 22:13712
- KUSHNIRENKO, N. A. Weldability of a beta-titanium alloy containing 30 percent molybdenum, 23:24905
- KUSHNIRUK, V. F. Investigation of the silicon surface-Barrier Δ E-detector characteristics for the nuclear reaction studying, 25:54998 (JINR-P13-5970)
  - Synthesis of element 102 isotopes with mass numbers 256 and 255 in reactions induced by O ions, 21:10001 (JINR-P7-3059)
  - Synthesis of the isotopes of the element 102 in reactions with mass numbers with oxygen ions, 21:34003
- KUSHTALOVA, I. P. Investigation of freely filled powders of titanium and zirconium carbides, 21:41639
- KUSHTAN, V. I. Theory of the universal weak interactions and the intermediate bosons, 21:9754
- KUSHWAHA, R. S. Gravitational field of a sphere composed of concentric shells, 24:13170
  - Hydromagnetic oscillations of an incompressible viscous homogeneous cylinder, 24:26042
  - Oscillations of a capillary jet of infinite electrical conductivity in the presence of dissipative forces and a uniform axial magnetic field, 22:2896
  - Radial pulsation of an infinite cylinder in force-free magnetic field, 23:14669
- KUSHWAHA, U. S. Analysis of 4.4 GeV/c pion and 6.2 GeV/c proton interactions in emulsion nuclei on isobar model, 21:3979
  - Ionization loss of electrons at high energies, 21:3972
  - Isobar model analysis of 8 and 17 GeV pion nucleon interaction in emulsion nuclei, 21:3993
- KUSIAN, Ross N. Respiratory protection at nuclear research facility, 22:28481
- KUSKEVICS, G. Surface ion source phenomena and technology. I, 21:9348
- KUS'MA, Yu. B. Ternary system, Nb—Co—Si, 22:10996
- KUSMIDERSKI, Jozef Brain atrophy in x-ray pictures of the skull, 21:45741
- KUSMISS, J. H. Angular correlation of positron annihilation radiation from zinc single crystals at 250°C, 22:49992
  - Angular correlation of positron annihilation radiation from electron-irradiated Pt, 24:37212
  - Influence of defects on the angular correlation of positron-annihilation photons in irradiated and in deformed iron, 25:19851
  - Positron annihilation in solid and liquid metals, 22:15372
- KUSMISS, John Henry Positron annihilation in solid and liquid metals and semiconductors, 21:33213
- KUSNER, D. E. Description of generation of data decks by ETOG-1 for use in creating MUFT and GAM libraries, 24:24555 (WCAP-3845-2)
  - ETOG-1: program to process data from ENDF/B file to MUFT, GAM, and ANISN formats, 24:14355 (WCAP-3845-1)
- KUSNER, Daniel E. ETOG-2 and ETOT—ENDF/B data processor programs to produce epithermal and thermal multigroup libraries, 25:57177 (CONF-710302-(Vol.2), pp 1031-46)
  - ETOM-1: FORTRAN IV program to process data from ENDF/B file to MUFT format, 23:10915 (WCAP-3688-1)
- KUSNETSOV, V. S. Phase density redistribution processes in intense proton beams, 24:30654
- KUSNEZOV, N. Photoelectric yield, 25:22355
- KUSOFFSKY, U. Flare spray at solar limb on July 11, 1966, 21:46082
- KUSOFFSKY, Ulf Method to reduce scattered light in sunspot photometry, 22:49872
- KUSOVKOVA, L. I. DNA repair and induction of mutants with altered DNA base composition, 23:6422
- KUSOVNIKOV, A. S. Experience in operating the SM-2 experimental reactor, 21:10140
- KUSS, E. High pressure physics as basic research, 22:6243 (NRC-TT-1296)
- KUSSE, B. R. Application of intense relativistic electron beams to Astron-type experiments, 25:38492 (CONF-710607-12)
  - Interactions of a plasma with a spiraling electron beam, 24:42665
  - Interactions of a spiraling electron beam with a plasma, 22:46144 (TID-24666, pp 96-102)
- KUSSE, Bruce Measurement of the amount of nonlinearity introduced by amplitude dependent time delay, 24:50274 (EGG-1183-533)
- KUSSMAUL, G. Investigation on charge 2 of fast thermal Argonaut reactor STARK, 22:1859 (KFK-592)
  - Investigations on loads 3 and 4 of STARK, the fast thermal argonaut reactor, 22:22829 (EURFNR-424)
  - Loadings (3 and 4) of the fast-thermal Argonaut reactor STARK, 22:16287 (KFK-668)
  - Reactor dynamics topics recently investigated at Karlsruhe, 23:13573 (KFK-786)
  - Studies at charge 2 of the fast thermal Argonaut reactor STARK, 22:16296 (EURFNR-352)
- KUSSMAUL, Guenter Kinetic behavior and reactivity of loosely coupled fission zones, 23:17278
  - Prompt-jump correction of inverse kinetics rod-drop measurements, 24:29084
- KUSSMAUL, K. Load-bearing capacity of welding constructions in pressure vessel and piping fabrication with particular consideration to failures in the welded joints, 25:45032
- KUSSNER, Albrecht Process for increasing the permeability of metals toward hydrogen, 22:13005 (UCRL-Trans-10180)
- KUSSTATSCHER, P. Simple chamber for lifetime measurements with the recoil-distance method, 25:22993
- KUSSY, M. E. Burnup determination of nuclear fuels, 24:2101 (IN-1316, pp 76-84)
  - Prog. rpt. on burnup determination of nuclear fuels, final, 4/1—6/30/68, 23:23910 (IN-1277)
- KUST, R. N. Radiation-induced nitration of benzene, 22:51005
- KUSTAANHEIMO, P. E. Relativistic theories of gravitation, 23:5679
- KUSTAANHEIMO, Paul E. Structure of the Maxwell equations, 23:23545
  - Structure of the Maxwell equations, 24:20032

Vectorial methods in quantum mechanics. I, 24:20031
KUSTERS, H. Analysis of fast critical assemblies and large fast power reactors, 23:33037 (EURFNR-625)
Improvement in second excursion calculations, 22:20944
KUSTIN, K. Relaxation spectra of some uranyl and vanadyl complexes in aqueous solutions, 21:12409
KUSTOM, R. L. Dielectric loaded waveguides as particle separators, 25:3494
Quasi-elastic neutrino scattering, 24:15457 (CERN-69-28, pp 111-24)
Quasielastic neutrino scattering, 23:25515
KUSTOM, Robert L. Dielectric-loaded slow wave structure for separation of relativistic particles, 23:28055
Electrical breakdown of vacuum insulated electrodes under radio frequency stress, 23:28063
KUSTOV, E. F. Energy transmission from electromagnetic field into high-frequency discharge plasma, 22:17655
Excitation of a high-frequency electrodeless discharge, 22:29527
Investigation of high-frequency gas discharges, 22:44133
KUSTOV, V. V. Combined action of carbon monoxide and ionizing radiation under prolonged conditions, 25:35233
KUSTOVA, A. M. Absorptiometric determination of tantalum and niobium from one sample, 23:21633
KUSTOVA, G. N. Optical aspects of dielectric penetrability and chemical bond in rare earth sulfides, 23:49811
KUSUBOV, A. S. Compendium of shock wave data, 22:18741 (UCRL-50108(Vol.1)(Suppl.1))
Compendium of shock wave data, 22:18742 (UCRL-50108(Vol.2)(Suppl.1))
Wall traces of detonation in nitromethane-acetone mixtures, 25:8183 (UCRL-72160)
KUSUBOV, Andre Dynamic equation of state of rocks, 22:47256 (UCID-5034)
KUSUHARA, M. Preparation of ^{11}C targets, 24:38034
Preparation of deuterated polyethylene targets, 24:38035
KUSUHARA, Masako Elastic and inelastic scattering of protons on ^{14}N in region 10 to 15 MeV. I, 25:38901
KUSUKAWA, Ken-ichi Flow of conducting gas past slender body in crossed magnetic field, 24:35247
Fluid dynamical equations for collisionless plasma, 24:35435
Magnetohydrodynamic aligned flow of a compressible fluid past a slender body placed in a circular wind tunnel, 23:6913
Steady flow of ionized gas in magnetic field, 23:32218
KUSUMEGI, A. Electron-induced cascade showers in Pb, Cu, and Al, 24:12927
Photoproduction of N*(1236) from H, 22:24513 (INSJ-107)
KUSUMEGI, Asao Absolute calibration of bremsstrahlung beam monitors, 25:42083
KUSUMGAR, S. Man-made ^{14}C in deep Pacific waters, 24:7771
KUSUMOTO, Goro Film dosimetry of ^{60}Co beam radiations, 21:30822
Pre-operative irradiation for treatment of rectal carcinoma, 23:41397
Status of radiotherapeutics in Japan, 23:43825 (NSJ-tr-106)
KUSUMOTO, Naoshi ESR studies on gamma-irradiated (KPO$_3$)/sub n/ crystals, 24:25088
Morphological effects on formation and behavior of radicals in γ-irradiated polyethylene single crystals, 25:48551
Radical sites in crystalline texture of irradiated polypropylene, 23:45320
KUSUMOTO, O. Inelastic interactions induced by 5 GeV/c muons in nuclear emulsion, 22:22289
KUSUMOTO, Sho Low-cycle fatigue strength of nozzle-end weldments for reactor pressure vessels, 25:32668
KUSUNO, S. Collective excitations with the number-projected wave functions, 22:27318
KUSUNO, Sadao Comments on the octupole mode, 22:48578 (JAERI-1158, pp 96-8)
KUSUNOKI, Isao Total cross sections for scattering of K by He, Ne, Ar, Kr, and Xe, 21:11402
Velocity selector for molecular beams, 23:20695
KUSUNOKI, Koichiro Estimation of equilibrium stages of ion exchange fixed bed, 24:2284
KUSUNOSE, Masahiko Characteristics of Nishina-type ionization chamber, 24:7636
KUSWA, G. W. Neutron enhancement from relativistic electron beam—dense plasma focus interactions, 25:52857
KUSWA, Glenn Spark gap power switching for conical theta-pinch plasma gun, 24:49200
KUSWA, Glenn W. Effect of a slit on the measured plasma ion-energy distribution, 25:52784
Sensitive fast response electron detector, 24:39217 (COO-1726-45)
Sensitive fast response electron detector, 25:18711
KUSWA, Glenn Wesley Charged-particle distribution function measurement in toroidal octupole, 25:11872
KUSY, Alvin R. Thymineless death in E. coli, 23:41513
KUSY, R. P. Radiation crosslinking of polymers, 24:31426
Radiation crosslinking of polymers with segregated metallic particles, 24:46284
Radiation-curing of composites of metals and polymers, 25:4108
KUSZELL, A. Initial value problem for a plasma in an external field, 23:20970
Kinetic description of an inhomogeneous plasma, 23:14792
Kinetic description of plasma in external field. II, 23:1409 (INR-P-926)
Kinetic description of plasma in external field. I, 23:36699
Kinetic description of plasma in external field. II, 23:44439
New derivation of the kinetic equation for an inhomogeneous plasma, 21:16929
Semiinfinite albedo problem, 23:23605 (INR-966)
KUTA, Jaroslav Isotopic effect of the catalytic discharge of H in the presence of Co, 21:4509
KUTAITSEV, V. I. Phase diagrams of Pu with the metals of groups IIA, IVA, VIIIA, and IB, 21:32918
Preparation and study of some properties of Pu monocarbide, 21:43577
Quasi-local level in vibrational spectrum of Ti lattice with heavy impurity atoms, 21:28769
KUTAKH, V. K. Device for a high-voltage scanning of electron and proton beams, 21:7603
KUTAS, V. Lung-scan, 23:48102
KUTATELADZE, S. S. Effect of convective heat exchange of plasmotron characteristics, 21:41082
Effects of convective heat-exchange on plasmatron characteristics, 22:4533
Problems of heat transfer and hydraulics of two-phase media, 24:16777
KUTAYTSEVA, A. I. Wrought magnesium-base alloy, 23:27084
KUTCHER, J. W. Critical experiments with PuO$_2$—UO$_2$ fuel and D$_2$O moderator, 21:8069
Critical experiments with the UO$_2$—2 wt percent PuO$_2$ batch core in the PRTR, 21:38533
Critical experiments with the UO$_2$—2 wt. percent PuO$_2$ batch core in the PRTR, 25:34327 (BNWL-1553)
Experimental study of the time dependence of the beta energy spectrum from ^{235}U fission fragments, 21:13883
Interim critical tests with the UO$_2$—2 wt percent PuO$_2$ batch core in the PRTR, 23:4189
MTR—Phoenix fuel critical experiments and analysis, 24:33425
MTR—Phoenix fuel experiment: critical test and burnup results, 25:48298 (BNWL-1593)
Power tests with the UO$_2$—2 wt percent PuO$_2$ batch core in the PRTR, 22:6125
Power tests with the UO$_2$—2 wt. percent PuO$_2$ batch core in the PRTR, 24:31096 (BNWL-1383)
KUTCHER, James William Time dependence of beta energy spectrum from ^{235}U fission fragments, 21:7810
KUTCHERENKO, E. T. Electron-kinetic phenomena in reflex discharges, 23:42275
KUTEINIKOV, A. F. Conditions for the complexometric determination of niobium, 21:45060
KUTHE, R. Thermodynamic calculations for high-temperature air—carbon dioxide mixtures involving black-body radiation, 22:44183
KUTHE, Rolf Approximate equations for calculation of thermodynamic data for a high-temperature air—carbon mixture (calculation with the aid of coefficients), 22:9342
Thermodynamic data of superheated gas mixtures. I, 22:48130
Thermodynamic data of superheated gas mixtures. II, 22:48129
KUTI, Gyula Complex-analytical hadron physics, 21:40198
Hadron dynamics, 24:33007
KUTI, J. Anomalous nearby singularities in vertex functions and current algebra, 23:36907
Do we really understand the A$_1$rhoπ system, 22:46414
Spin-dependent deep inelastic electron—proton scattering, 24:26404
KUTIEV, I. S. Method of determining the electron density distribution in the ionosphere, 25:16909
KUTIKHINA, Zh. Ya. Effect of preliminary recovery on the recrystallization kinetics of deformed metals, 21:13193 (AD-643925)
KUTIMSKAYA, M. A. Computation of geomagnetic lines of force, 24:12739
KUT'IN, V. M. Decay curve of the positive pion in the region of large life times, 21:25226
Electron—photon showers with scintillation counters, 23:11759 (ORNL-tr-2069)
Gas threshold Cherenkov counters for separation of particles in bunched beam from IHEP proton synchrotron, 23:45523
Investigation of electron—photon showers with scintillation counters, 23:10736
Investigation of the electron—photon showers with the scintillation counters, 22:46310 (JINR-P1-3976)
Pion—nucleon charge exchange and constancy of total cross sections at energies above 30 GeV, 25:38748
Search for particles with charge -$^4/_3$ (diquarks) at the IHEP 70 GeV accelerator, 25:40873
KUTKA, M. Biochemical and kinetic parameters in persons in goiter region of Colombia, 24:31770 (IAN-B-5)
Methods from the field of nuclear medicine including programmes for a small desk-top computer, 24:32055 (IAN-B-3)
KUTLINA, O. I. Elastic (π^-p)-scattering on 4.5 GeV/c, 25:53023 (IAE-1975)
KUTNER, M. 6-centimeter formaldehyde absorption and emission in the Orion Nebula, 25:47265
Discovery of interstellar silicon monoxide, 25:43052
Discovery of para-formaldehyde and the 2-millimeter formaldehyde distribution in the Orion infrared Nebula, 25:47264
Formaldehyde line emission from Trapezium region of Orion Nebula, 25:16674
Initial search for interstellar formyl radical, HCO, and for HC^{13}O$^+$, 25:32960
KUTNER, V. B. Multicharged Ca and Zn ion source, 24:20290
Production of multiply charged Xe ions, 23:17018 (JINR-P7-4289)
KUTNOHORSKY, Vladimir Electromagnet for an experimental dc MHD generator, 22:17439
KUTOVOI, V. I. Temperature control in liquid metals by a radiometric method, 21:39084 (ORNL-tr-1727)
KUTS, V. S. Studies of ThCl$_4$ complex solvates with dimethylformamide and CH$_3$OH by NMR method, 22:12301
Temperature dependence of EPR spectra on EPR γ irradiated butylbutyramide, 22:27831
KUTSAEVA, L. S. Mean kinetic energy of fragments at fission of ^{237}Np by neutrons, 22:44693
KUTSAROVA, T. Beta-spectrograph of Institute of Nuclear Research of Czechoslovakian Academy of Sciences, 22:47367
Decay ^{177}W $\rightarrow$ ^{177}Ta, 24:28801
Investigation of ^{131}Ba decay, 22:35359
New isotopes of iridium, 25:28348 (JINR-P6-5617)
KUTSCHERA, W. Angular correlation and lifetime measurements in ^{22}Ne, 22:26847
Ground-state transition of 7.28 MeV state in ^{15}O, 23:15382
Lifetime measurements on neutron deficient even—even isotopes of Xe and Ba, 25:28319 (CERN-70-30(Vol.2), pp 905-10)
Lifetimes of 4.623 and 4.688 MeV levels in ^{34}S, 25:14954
On- and off-beam gamma spectroscopy on neutron deficient isotopes of Ge, Se, Br, and Kr, 25:28213 (CERN-70-30(Vol.2), pp 911-15)
KUTSENKO, A. K. Treatment of x-radiation induced dermatitis, 23:50630
KUTSENKO, A. V. Instrument for recording neutral particles on the basis of the decay of γ quanta, 23:11864
Photoproduction of eta mesons on carbon nuclei, 23:32605
System of coincidence Cherenkov spectrometers with data analysis in the M-20 computer analysis, 21:16166
Water-soluble epoxy adhesive compound for scintillation counters, 21:1602
KUTSENKO, E. N. Desorption of ions and neutral molecules from gases adsorbed on tungsten surfaces by means of slow electrons, 24:51185
KUTSENKO, N. V. Determination of Ra and ThX in layers of Ba sulfate, 23:28735
KUTSENOK, T. G. Effect of alloying on the electroconductivity of cerium sulfide, 21:14888
Investigation of coefficient of thermal expansion of alloyed Ce sulphide in homogeneity range Ce$_2$S$_3$—Ce$_3$S$_4$, 23:36240
Investigation of irradiation effects in titanium and chrome carbides, 21:3561
Physical properties of germanides of rare-earth metals, 23:36079
Physical properties of plasma-sprayed carbides, 25:35538
Thermal conductivity of alloyed cerium sulfide, 23:18273
KUTSENTOV, L. M. Internal ionization in β decay of ^{131}I, 25:31316
Preparation of thin sources employing surface-active compounds, 21:25932
Shake-up of electron shell in β decay of ^{203}Hg, 21:29987
Two-electron conversion and effect of K-shell shaking during decay of ^{203}Hg, 23:25935
KUTSEV, V. S. Composition and structure of samarium carbide, 23:51135
Equilibrium in reduction of Sm$_2$O$_3$ by C, 24:13836
Mass spectrometric investigation of thermal dissociation of Sa and Eu carbides, 25:4855
KUTSEVALOV, V. A. Low-temperature plasma generators, 23:48916
KUTSIAVA, N. G. Investigation of aromatic hydrocarbons of supsinskaya petroleum and their catalytic conversion in the presence of irradiated catalysts, 25:18444
KUTSIDI, N. K. Statistical isospin model and cross sections of reactions $\pi^-p \rightarrow N + (2,...,6)\pi$ within 1 to 16 GeV energy range, 25:14700 (JINR-P1-5471)
KUTSISHVILI, G. R. Quantum statistical theory of dynamic polarization of nuclei in case of heterogeneous broadening of the EPR lines, 22:29578
KUTSUTANI, Yuzuru Dose distribution in radiotherapy, 25:49190
KUTSUWADA, Takashi Thermodynamic and electric properties of combustion products for MHD generators, 22:47874
KUTSYN, A. A. Plasma satellites near HeI forbidden lines, 24:40060
KUTTER, G. S. Comments on stellar mass loss, 24:23600
Evolution of initially pure ^{12}C stars and the production of planetary nebulae, 23:36302
Mechanism for the production of planetary nebulae, 23:18308
Termination of shell burning of helium in solar-mass stars, 25:16656
KUTTER, George Siegfried Evolution of initially pure ^{12}C stars, 24:10232
KUTTIG, H. Coordination of dose distribution of ^{60}Co teletherapy with modern x ray diagnostic and nuclear technique, 22:45612
Determination of dosage distribution by computer, 24:2661
High-volt therapy in lymphatic system, 24:19340
Megavolt therapy in gynecology, 21:8869
KUTTIG, Helmut Calculation of dose distribution following teletherapy using a digital computer. III, 23:29705
Calculation of dose distribution for ^{60}Co teletherapy with digital computer. I, 22:38281
Calculation of dose distribution of ^{60}Co teletherapy with a digital computer. II, 23:4943
Comparison of dose distribution in ultrahard x-rays up to 42 MV and ^{60}Co gamma-rays, 24:34334
Comparison of high-energy radiation applied through plaster casts, 25:13539
Depth therapy with a moving beam of fast electrons, 23:38595
Dose distribution with a wedge filter in ^{137}Cs teletherapy, 24:32006
Electrocardiographic studies during ^{60}Co teletherapy of cardiac region, 22:40849
Fractionation in time and space, 21:45746
Pendelum irradiation with ^{60}Co, 22:45653
Pendular irradiation with transversal movement of axis in ^{60}Co teletherapy. II, 23:33794
Pendulum radiation with transversal shift of axis during ^{60}Co-teletherapy. III, 25:13447
Physical-technical basis of radiotherapy with ^{137}Cs, 22:522
Postoperative radiotherapy of mammary carcinoma without irradiation of the thorax wall, 25:13533
Radiotherapy of malignant bone tumors, 25:13521

- Radiotherapy of rectum carcinomas, 24:36797
- Studies of most efficient energies for irradiation of bone processes, 25:13536
- KUTTRUFF, H. Propagation of electromagnetically generated shock waves in argon and helium, 22:13453
- KUTTY, A. P. G. Extended ring summation for a classical electron gas, 24:3380
- KUTUKOV, G. P. Material balance between the plasma filament and gaseous shell in Tokamak-3, 21:18631
  - Material balance of plasma column and gas sheath in toroidal apparatus-Tokamak-3, 25:19657 (MATT-Trans-16)
  - Measurement of density of neutral gas in operating regime of PR-5 installation, 22:45375
  - Noise-immune ionization manometer for plasma equipment, 22:47418
- KUTUZOV, A. A. Fast neutron spectra in metal—water shielding, 21:21036
  - Spectra of fast neutrons in heavy homogeneous media, 21:21035
  - Time and energy distribution characteristics of neutrons emitted from hydrogen-containing radiators, 22:20406 (FEI-85)
  - Time and energy distribution characteristics of neutrons emitted from H-containing radiators, 22:44572 (ANL-Trans-638)
- KUTUZOVA, G. B. Analysis of possible deviations from V—A theory of weak interactions, 23:39677
- KUTYSHEVA, E. V. Interaction of powders of ZrC and Si, 24:10148
- KUTZ, J. P. Point Beach load follow test, 25:50939
  - Saxton Core I nuclear operations summary, 23:52283 (WCAP-2928)
- KUTZELNIGG, W. Solution of quantum mechanical two-electron problem by direct calculation of natural orbitals. III, 21:13357
  - Solution of quantum mechanical two-electron problem by direct calculation of natural orbitals. IV, 21:23000
- KUTZELNIGG, Werner Approximation by a single Slater determinant, 23:41986
  - Correlation coefficients for electronic wave functions, 22:38761
- KUTZIM, H. Scintigraphic studies in pulmonary tuberculosis, 25:11132
- KUTZNER, J. Scintigraphy of skeletal disease with /sup 99m/Tc—iron(II)-complex, 24:7949
  - Whole-body ^{85}Sr scan for systematic invcatigations after skeletal metastas, 22:36291
- KUTZNER, Joachim Investigations concerning the resolution of a 5"-NaI-crystal detector in scintillation scanning, 23:26838
- KUULAGIN, A. G. Radioactivity of Cosmos 6, 24:21667
- KUUS, H. Singularities of magnetic flux in "Harmonica Deux", 23:46502 (CEA-CONF-1310)
- KUUSI, Eino Juhani Method for measuring quantities associated with the filler distribution of paper, 25:336
- KUUSI, J. Determination of content and distribution of filler and coating materials in paper using radioisotope x-ray spectrometry, 24:50520
  - Diffusion of Na-ion from bisulphite cooking liquor into wood chips, 25:39460
  - Heavy element analysis by isotope-excited x-ray fluorescence, 25:39429
  - Use of neutron sources in chemical analysis for process control, 24:157
  - Use of radioisotope x-ray techniques in the papermaking process and quality control measurements, 25:51689 (A/CONF.49/P-6)
  - Use of radioisotopic neutron sources for process-control activation analysis, 25:54507
- KUUSI, Juhani Radioisotope neutron activation analyzer for process control analysis, 24:41707
  - Use of radioisotopes for quality and process control analysis in industry, 25:10443
- KUVALDIN, B. V. Neutron-diffraction equipment with variable wave length, 23:29254
  - Neutron-diffraction study of W_2C rhombic modification, 23:14411
- KUVATOV, K. G. Angular anisotropy of fission of nuclei lighter than gold by 40-MeV α particles, 23:11009
  - Fission of ^{204}Pb and ^{206}Pb by alpha particles near threshold, 24:52573
  - Mean kinetic energy of ^{238}U fragments at fission by 6- to 9-Mev-neutrons, 22:22603
  - Mean kinetic energy of fragments of ^{235}U and ^{238}U during neutron fission with energy E/sub n/ = 5 to 9 MeV, 22:44714
- KUVIK, Viliam Determination of traces of metals in nuclear materials, 21:21870
- KUVSHINNIKOV, B. A. Control of nuclear power plants, 21:31971
  - Control system for power installations. II, 22:35522
  - Stability conditions for a pulsed control system for regulator power, 21:31975
- KUVSHINOV, M. I. Experimental study of interaction in array of fissile spheres, 21:40351
- KUVSHINOV, V. I. Laws of conservation of scalar electrodynamics within the formalism of a unified field, 25:53274
  - Nonlinear equations for the electrodynamics of scalar mesons, 25:53170
- KUWABARA, Goro ESR investigation of 3d^9 ions in alkali halides, 25:59201
- KUWABARA, Jun Linear-output, integration comparison period meter, 23:6330
  - Logarithmic-conversion integration comparison type period meter, 23:6326
  - Period meter for the linear-output type reactor, 22:10091
  - Period meter with Zener diodes to control time constant, 23:9815
  - Sheathed-thermocouple-electrode flowmeter for LMFBR individual subassembly, 25:18112
- KUWABARA, Sinzi Dynamics of multicomponent plasma with transport phenomena, 24:17926
  - Electrohydrodynamic flow over a wavy wall, 23:36566
  - Electrohydrodynamic oscillating piston problem, 23:36567
  - Electrohydrodynamic Rayleigh- and oscillating plate-problems, 23:44226
- KUWABARA, Toichiro Retinal recovery from exposure to light, 24:41988
- KUWABARA, Yoshimi Color autoradiography. I, 22:49149
- KUWADA, Keiji ESR study of irradiated organic phosphorus compounds at low temperature, 22:8111 (AEC-tr-6908, pp 216-36)
- KUWAHARA, Hideo Activation analysis of trace arsenic, 23:24122
- KUWAHARA, M. Measurement of plasma flow rate and glomerular filtration rate, 23:29647
  - Radiocardiogram analysis by analog computer simulation, 23:29648
- KUWAHARA, Michiyoshi Analog computer aided renogram diagnosis, 24:32066
- KUWAJIMA, Kaneomi Scattered cross-sections of 14 MeV neutrons, 24:33112
- KUWAMOTO, T. Coprecipitation of U(VI) with Fe(III)-hydroxide, 22:25244 (KFK-tr-247)
- KUWASAWA, Y. Superconducting transition temperature in La/sub 3 - x/Gd/sub x/Al, 23:1330
- KUWASAWA, Yoshinori Effects of paramagnetic impurities on superconducting properties in La/sub 3-x/Gd/sub x/Al system, 23:44367
- KUWASHIMA, Kenshin Pressurized light-water cooled reactor, 22:32850
- KUWATA, Keiji Conformation and reaction of stereoisomeric radicals trapped in irradiated cis- and trans-cyclohexane-1,2-diol, 21:17678
  - Electron spin resonance study of an irradiated single crystal of boric acid, 22:8112 (AEC-tr-6908, pp 237-44)
  - ESR study of irradiated cyclic hydrocarbons in solid state, 21:12474
  - ESR study of irradiated organic phosphorous compounds, 21:19706
  - ESR study of irradiated single-crystal of boric acid, 21:19707
- KUWERT, Ernst Modified irradiation effect by O on tumor cells in tissue culture, 25:44886
- KUYAMA, Takeshi Role of antioxidants in inducing mortalities of mice and dogs due to ^{198}Au hemorrhagic shock, 22:15040
- KUYATT, C. E. Absolute measurement of differential cross sections for electron scattering in helium, 25:9222
  - Comparison of the spherical deflector and the cylindrical mirror analyzers, 22:8416
  - Effect of double scattering on cross section measurements at large momentum transfer, 22:5062
  - Electron monochromator design, 21:14512
  - Inelastic electron scattering from formaldehyde, 25:35883
  - Inelastic electron scattering from N_2O between 5.0 and 20.0 eV energy loss, 25:14014
  - Mechanism for production of fourth positive band system of CO by electron impact on CO_2, 25:40335
  - Tests of Born approximations; cross sections for elastic scattering of 100- to 400-eV electrons by He, 22:31638
- KUYKENDALL, W. E. Measurement of the lunar surface composition using nuclear activation analysis, 22:4545
  - Nuclear analytical methods and systems for the measurement of trace constituents in the environment, 25:31884
  - Use of fast-neutron activation analysis on sea-floor compositional mapping, 23:35044
- KUYKENDALL, W. E. Jr. Analysis of oceanographic samples by 14-MeV neutron activation, 25:2119 (CONF-700322-, pp 221-30)
  - Analysis of oceanographic samples from the glomar challenger voyage, 25:54482
- KUYPER, Ch. M. A. Radiation damage to chromosomes, 22:36327
- KUYPER, E. Tracer experiments in large installations, 22:40330
- KUYPERS, J. Leakage rate measurements by means of oxygen determination, 23:540
  - Leakage rate tests of the compartments of the Kema suspension test reactor, 22:18562
- KUYUN, Yu. A. Fast—slow coincidence scheme for measurement of the angular correlation of nuclear emissions, 22:10578
  - Random coincidence noise in correlation measurements in a cyclotron, 22:11763
- KUZDOWICZ, Alfons Influence of x irradiation on microsporogenesis in di- and tetraploid sugar beets, 22:51507
- KUZE, S. Excitation functions for deuteron-induced reactions, 22:15996
- KUZELKA, Vaclav Static aeroelasticity of distancing grids for nuclear reactor fuel element assemblies. II, 24:2002
  - Static aeroelasticity of distancing grids for nuclear reactor fuel element assemblies. II, 24:11194
  - Static aeroelasticity of grids for nuclear reactor fuel element assemblies. I, 23:43121
- KUZEMA, A. S. Dual mass spectrometer with an inhomogeneous magnetic field, 21:43304
  - Novel triplet of electrostatic quadrupole—octupole lenses with corrected spherical aberration, 24:36670
- KUZEMSKII, A. L. Derivation of a schroedinger type equation with damping for the dynamical system weakly coupled to a thermal bath, 25:9607
  - Theory of the nuclear spin-lattice relaxation in solid ortho-hydrogen, 24:50263 (BNL-tr-357)
- KUZENKOV, A. F. Radioactive aerosol distribution in the middle and upper troposhere over the USSR in 1963—1968, 24:41442
  - Relation between radioactivity variations and atmospheric motion, 22:40267
  - Using atmospheric radioactivity for investigation of air mass movements, 23:7641
- KUZENKOVA, M. A. Estimation of the surface energy of some metals and refractory compounds, 24:10069
  - Investigation of the sintering of alloys of zirconium diboride with molybdenum disilicide, 21:3538
  - Properties of zirconium diboride—molybdenum alloys, 21:22931
  - Sintering of zirconium diboride and its alloys with molybdenum and molybdenum disilicide, 21:41666
  - Sintering process of zirconium diboride with tungsten, 25:29930
- KUZHAKOVSKAYA, M. S. Influence of radiation-protective preparations on functional state of human organism, 21:16375 (JPRS-38272, pp 366)
- KUZHEVSKII, B. M. Deuterons in cosmic radiation, 22:11248
  - Intensity variations of cosmic rays, 21:31268
  - Ionization chamber studies of cosmic rays with Kosmos-19 and Kosmos-25 satellites, 22:11281
  - Nuclear reactions and the line spectrum of solar-flare gamma rays, 23:16609
  - Preferential acceleration of heavy nuclei on the sun, 21:43737
  - Propagation of cosmic rays through galaxy, 25:55903
  - Radioactive nuclei in solar cosmic rays, 22:13188
  - Studies of cosmic rays recorded by Cosmos-19 and Cosmos-25 satellites, 22:2854
- KUZICHEV, V. F. Spectra and yields of fast charged particles at absorption of π^- mesons at rest by C nuclei, 24:30698
- KUZIETSOV, V. I. Spontaneously fissionable products in nuclear reactions ^{230}Th + ^{10}B and ^{230}Th + ^{11}B, 21:1075 (JINR-P-2862)
- KUZIMICHEVA, L. B. Electron phase transition display in the susceptibility of cadmium alloys, 24:18033
- KUZIN, A. Radiobiology and space investigations, 22:21634
- KUZIN, A. M. Acceleration of the synthesis of protein and DNA in Ehrlich's ascites carcinoma by γ-irradiation, 22:14917
  - Action of free radicals on solutions of superpolymer deoxyribonucleic acid, 22:25764
  - Activity of redoxy enzymes in beans and clover following γ irradiation, 25:2596
  - Antiradical activity of tissue and radiosensitivity, 23:43911
  - Biological effects of oxidation products of various phenols at the anode, 23:29899
  - Causes of radiation activation of polyphenol oxidase in plants, 24:39431
  - Change in the localization of histones in the thymus and liver of irradiated rats, 25:44936
  - Change in the polyphenol oxidase and peroxidase activities after gamma irradiation of plants with various radiosensitivities, 21:6719
  - Changes in physico-chemical properties of polyphenol oxidase and its isozymes in γ-irradiated vegetable tissue, 25:49106
  - Direct and distant effects of radiation on the level of quinones in organs and tissues of rats, 21:36522
  - Dynamics of excretion of cell metabolites during post-radiation recovery of yeasts, 25:44973
  - Effect of α-particle microbeam irradiation on the synthesis of deoxyribonucleic acid in tissue culture, 21:8686
  - Effect of ecdysone on puparium formation in irradiated Ephestia kuhniella Z, 22:31147
  - Effect of γ radiation and radiotoxins on synthesis of DNA in early embryogenesis of groundling Misgurnus fossilis, 22:23423
  - Effect of γ-irradiation on content of b and c cytochromes in thymocyte nuclei, 22:45426
  - Effect of radiation on synthesis of ribosomal and DNA-like RNA, 22:23470
  - Effect of radiation on the permeability of thymocyte nuclei, 24:34088
  - Effect of x radiation on gemmation of yeast cells, 25:47038
  - Effects of biologically active substances, isolated from liver of irradiated rats, on synthesis of DNA in HeLa cells, 23:35843
  - Effects of gamma-radiation on the respiration of thymocyte nuclei, 24:27532
  - Effects of γ radiation on histones from rat nuclei, 25:10971
  - Effects of γ radiation on isozyme composition of lactic dehydrogenase in newborn rats, 24:7752
  - Effects of ionizing radiation on lactate dehydrogenase in rats, 25:29670
  - Effects of ionizing radiation on the tyrosine and phenylalanine metabolism in plants, 24:922
  - Effects of radiotoxins on synthesis of nuclear RNA and protein in HeLa cells, 23:50367
  - Effects of radiotoxins on the development of sea urchin embryos, 24:9917
  - Exchange of fast-labeled RNA in HeLa cells, synchronized by γ irradiation to S period, 22:28310
  - Fluctuations in rate of protein synthesis in the nuclei of irradiated HeLa cells, 21:20089
  - Formation of plant radiotoxins, 24:27611
  - Formation of quinones in plants with different radiosensitivities, 21:36523
  - Free radicals in lipids of irradiated rats, 21:34609
  - Free semiquinoid radicals and tissue radiosensitivity, 22:47570
  - High radiosensitivity of the allosteric center of enzymes, 22:14946
  - Influence of AET on loach embryos, Misgurnus fossilis, under action of γ-rays and radiotoxins, 23:861
  - Influence of ionizing radiation on content of histones and DNA in nuclei of plant cells, 24:27541
  - Influence of ionizing radiation on the adaptive syntehsis of tryptophan pyrrolase in the process of postnatal development of rats, 24:9757
  - Influence of irradiation on the glycolysis of isolated calf thymus nuclei, 24:11940

  Influence of radiotoxins from irradiated plants upon the growth of normal tissues and malignant tumors, 24:34764
  Influence of radiotoxins on hormonal induction of tryptophan pyrrolase, 23:17950
  Influence of radiotoxins on properties of phosphofructokinase, 25:44770
  Influence of temperature during gamma-irradiation of seeds on the amount of cytogenetic damage, 24:12047
  Investigation of causes of radiation disruption of pupation of Ephestia kuehniella larvae, 23:5012
  Isoenzymes of LDH in developing rat brain after gamma irradiation during the period of embryogenesis, 24:50739
  Molecular mechanisms of biological effects induced by high-energy radiation, 22:43269
  Mutagenesis of T4B phage in γ-irradiated E. coli, 25:11016
  Mutagenic action of 3.4-diosyphenylalanine in irradiated tissues, 24:11958
  Mutagenic effects of radiotoxins, 22:51522
  Nucleic acid and biological effect of ionizing radiation, 22:40568
  Polyphenol oxidase and peroxidase activity in chloroplasts after γ irradiation, 21:41334
  Postirradiative modification of radiation damage in frogs, 21:10933
  Postradiation decrease in the death rate of mice by grape lipopolysaccharides, 24:17064
  Postradiation recovery of seeds, 22:23580
  Primary radiotoxins and possible protective mechanisms of AET, 24:12336
  Problem of post irradiation recovery in the light of radiotoxin theory, 22:25910
  Quinone level in animals after exposure to ionizing radiation, 23:17919
  Radiation inhibition of α-amylase synthesis, 25:44769
  Radiation sensitivity of different stages of development of Ephestia Ruchniella L. in light of concept of DNA transinduction, 21:36711
  Radiation toxins, 22:40944
  Radiochemical disturbance of ATP synthesis in the nuclei of thymus cells, 24:11934
  Radiosensitivity of the allosteric centar of phosphofructokinase, 24:21077
  Radiosensitivity of tissues in organism, 24:34696
  Radiotoxines, their properties and role in biological effects of high energy radiation, 21:36745
  Radiotoxins in the livers of γ irradiated rats, 24:17142
  Radiotoxins: their nature and role in the biological effect of high-energy radiation, 24:7987 (AD-691870)
  Recovery of irradiated seeds by washing with urea, 24:8019
  Role of primary radiotoxins in radiation damage of a cell, 25:35200
  Role of quinones in demonstration of irradiation effects, 21:10743
  Structural metabolic hypothesis in radiobiology, 25:24046
  Study of aerobic glycolysis of irradiated rat thymocytes, 24:50733
  Tryptophan pyrrolase synthesis in rat liver during γ irradiation, 24:16973
  Water-soluble radiotoxins as factor inducing development of phage in E. coli, 23:50938
KUZIN, A. N. Properties of tantalum diboride—zirconium diboride alloys containing chromium, 21:16646
KUZIN, E. L. Electronic structure of azo compounds and their complexes with elements. VIII, 24:2178
KUZIN, I. A. Determination of water-soluble products of the radiolysis of phosphate cation exchangers, 23:43376
  Influence of ion exchange properties on radiolysis of KB-4P-2 resin, 23:31391
  Radiation—chemical stability of ionites, 23:11570
  Sorption of metals from an acetate solution by SKT activated charcoal, 21:12514
KUZIN, Ivan Andrejevics Extraction of Sc from different media using bis(2-ethylhexyl) phosphate, 24:16631
KUZIN, L. A. Simulation $K_2^0 \rightarrow 3\pi^0$ and $K_2^0 \rightarrow \pi^+\pi^-\pi^0$ in a bubble chamber by means of the Monte-Carlo method, 21:2439
KUZIN, N. I. Preparation and studies of some properties of plutonium monocarbides, 21:32960
  Preparation and study of some properties of Pu monocarbide, 21:43577
  Question of high-pressure scale, 25:10352 (LA-tr-70-26)
KUZIN, R. A. Effectiveness of partial-body protection, 24:878
  Experimental investigation of the effectiveness of local protection, 21:16347 (JPRS-38272, pp 306-7)
KUZIN, V. I. Absorption spectra of uranium oxides. II, 24:9313
  Alpha decay of ^{211}Rn and ^{212}Rn, 24:28773 (JINR-P6-4972)
  Chemical changes during electron capture of ^{123}Xe in certain inorganic systems, 24:38987
  Determination of the boiling point of astatobenzene, 25:8259 (ANL-Trans-869)
  Reaction with benzene of ^{123}I and ^{211}At formed from the noble gases during K-capture, 25:8284 (ANL-Trans-870)
  Reactions of ^{123}I and ^{211}At with benzene during K capture from noble gases, 24:38946
KUZINA, A. F. Production of metallic technetium and its physical investigation, 25:22057
KUZINA, I. A. Interdiffusion between tantalum and tungsten, 23:3066
KUZINA, L. N. Investigation of W—Ta—Re by the diffusion-layer method, 22:4809
  Reciprocal diffusion of tantalum and tungsten, 22:43582
KUZINA, M. G. Application of alkylammonium salts for dissolution of inorganic compounds. V, 23:28847
  Application of alkylammonium salts to dissolution of inorganic compounds. II, 23:21687
  Compounds formed on extraction of U^{4+} from $H_2C_2O_4$ solutions with trioctylamine, 23:9529
  Extraction of H_2SO_4 and U(VI) by solutions of trioctylamine, 24:44072
  Infrared spectra and structure of compounds formed by extraction of HNCS and U(VI) by solutions of trioctylamine, 22:18797
  Investigation of extraction of U(VI) by trioctylamine from $H_2O—HNO_3—H_2C_2O_4$ solution, 23:49911
  Oxalatonitrate compounds of uranyl, 23:49786
  Studies of tetra- and trialkylammonium uranyl triacetate in organic solvents, 21:32178
KUZINA, T. S. Rolling W-alloy sheet and foil, 23:10184
KUZMA, Dennis C. Magnetohydrodynamic thrust bearing, 22:218
KUZMA, I. B. X-ray study of W—Fe—B and W—Co—B systems, 24:6214
KUZ'MA, Yu. B. Alloys of Zr—Ni—B system, 23:44019
  Aluminum-rich alloys of Zr—Ni—Al system, 21:22892
  Boron—rhenium—vanadium system, 24:14940
  Crystal structure of $CeCo_3B_2$ and analogous compounds, 24:10178
  Crystal structure of $Nb_2Ni_{21}B_6$, 21:18284
  Crystal structure of $YCrB_4$ and analogs, 24:46802
  Crystal structures of NbFeB and TaFeB compounds, 22:21770
  Crystal structures of $ZrCo_3B_2$ and $HfCo_3B_2$, 25:29992
  Crystalline structure of Sc—Zn system, 21:22891
  Crystalline structures of NbNiB and TaNiB, 23:10716
  Interaction of carbides of transition metals of groups IV—VI with ZrO_2, 24:19511
  Interaction of Zr with transition metals and B, 24:10180
  Molybdenum—Co—B system, 21:28839
  New compounds with structure of the type $W_2Cr_{21}C_6$, 21:41672
  New ternary compounds with structure of $YCrB_4$ type, 25:8948
  Niobium—nickel—boron system, 21:36930
  Obtaining neodymium digermanide, 22:28768
  Phase equilibria in systems of W—Cr—B and W—Mo—B, 22:28948
  Phase equilibria in systems vanadium—manganese—boron, molybdenum—manganese—boron, and tungsten—manganese—boron, 25:52460
  Phase equilibria in systems Zr—Re—B and W—Re—B, 22:45789
  Phase equilibria in ternary systems, 21:32925
  Phase equilibria in the systems tantalum—titanium—boron and tantalum—molybdenum—boron, 22:23900
  Phase equilibria in the titanium—vanadium—boron and titanium—manganese—boron systems, 25:27300
  Phase equilibria in transition metal Group VA or VIA sub-groups with Si or B, 23:30178
  Phase equilibria in V—Cr—C, Nb—Cr—C, and Ta—Cr—C systems, 22:28950
  Phases in La—Ge systems, 23:12338
  Reaction of ZrO_2 with Ti, Nb, and Cr carbides, 21:18348
  Reactions of borides of the transition metals with their oxides, 25:52415
  Reactions of carbides of transition metals with their oxides, 21:11313
  System yttrium—chromium—boron, 25:38033
  Systems Hf—W—B, Hf—Re—B, and Nb—Re—B, 25:45135
  Ternary phases with structure of U_3Si_2 type in W—Mn—B and Mo—Mn—B systems, 23:6760
  Ternary system chromium—rhenium—boron, 23:24930
  Ternary system W—Cr—C, 21:26920
  Ternary systems niobium—rhenium—carbon and tantalum—rhenium—carbon, 21:26841
  Ternary systems of rhenium with transition refractory metals and carbon, 23:30181
  Ternary systems of Zr—Cr—B and Zr—W—B, 22:4891
  X-ray diffraction investigation of the Ti—Ni—B, Mo—Ni—B, and W—Ni—B systems, 24:10184
  X-ray investigation of Re—Mg—B system, 24:10177
  X-ray investigation of ternary systems V—Cr—B, Nb—Cr—B, and Mo—Cr—B, 23:36257
  X-ray structural analysis of Nb—Ni—Al alloy, 21:39651
  X-ray structural studies of ternary Zr—Mo—B and Zr—Ta—B systems, 22:19551
  X-ray study of the chromium—manganese—boron system, 25:27299
KUZ'MAK, N. I. Content of sialic acids in the blood of thyrotoxicosis patients treated with radioiodine, 21:28609
KUZ'MENKO, B. A. Dynamics of a two-circuit installation with a self-regulating reactor and natural circulation of the heat carrier, 24:47827
  Dynamics of a two-circuit installation with a self-regulating reactor and natural circulation of the heat carrier, 25:23260
  Stability of main harmonics in a closed-circuit reactor considering xenon oscillations, 21:17488
KUZMENKO, G. N. Fibroblast colonies in splenic cultures of irradiated mice, 25:26905
KUZMENKO, P. P. Nature of strengthening γ-irradiated NaCl and KCl crystals, 24:32907
  Thermal diffusion of traces of thallium in various molten metals, 25:58267
KUZ'MENKO, V. M. Effect of the degree of deformation of the crystalline lattice of indium on its superconductivity, 22:34560
  Effects of the degree of metal lattice deformation on the superconductivity of the metal, 21:37383
  Electric resistance minimum of lutetium films, 23:23262
  Minimum of the electrical resistance of Fe, Cu, Lu, and Tm layers, 24:21890
KUZ'MENKO, V. S. Angular distributions of protons in the (γ,p) reaction on ^{7}Li at photon energies 620 and 1115 MeV, 24:38110
  Excitation functions of reactions (γ,p) and (γ,d) on ^{12}C at photon energy 400 to 1400 MeV, 23:39948
  Investigation of (γ, p) reactions in ^{7}Li using a beam of quasi-monochromatic and polarized photons, 24:3851 (NP-18036)
  Investigation of (γ,p) reaction on ^{7}Li nucleus by means of a beam of quasimonochromatic and polarized photons, 23:37118
  Mass number dependence of (γ,p) and (γ,d) cross sections at 700 and 1200 MeV, 24:3858
  Reactions (γ,p), (γ,d), (γ,t) on nuclei ^{7}Li, ^{12}C, and ^{181}Ta with photon energies 400 to 1300 MeV, 23:37117
KUZMETSOV, V. K. Fine structure of energy dependence of anti τ for ^{233}U and ^{235}U in fission induced by neutrons of less than 1 MeV energy, 24:26626 (ANL-Trans-808)
KUZMIAK, M. Centering of initial orbits in the cyclotron, 24:43086 (UJV-2394-F)
  Initial trajectories of ions obtained from the radial injection of fast neutral particles into the cyclotron center, 21:995 (UJV-1563)
  Magnetic field for elliptical ion trajectories, 22:9721 (UJV-1854)
  Separated turn isochronous cyclotron with nonsinusoidal form of the radiofrequency field, 24:43087 (UJV-2425-A)
KUZMIAK, Mikulas Open alpha source with a spectrum of more lines, 22:36005
  Power calibration of the separating magnet in the cyclotron, 23:37049
KUZMICHEV, V. E. Calculation of binding energy and wave function of ^{3}He by harmonic polynomial method, 25:20249 (ITF-70-51-E)
  Solution of three-particle integral equations by the separable expansion method, 24:32975 (ITF-70-22)
KUZ'MICHEV, Yu. S. Effect of cold working, duration, and temperature of annealing on Zr—2.5 percent Nb alloy thermal expansion, 23:27064
  Thermal expansion of a Zr alloy with 2.5 percent Nb, 24:14765
KUZ'MICHEVA, A. E. September—October, 1962 forbush effect, 22:11263
KUZ'MICHEVA, E. U. Oxidation of U_4O_9 at temperatures below 300°C, 22:30569
  Studies of certain uranium oxides, 21:1952 (CEA-tr-R-1702)
  Synthesis of uranium oxides, 23:47438
KUZ'MICHEVA, G. 6-GeV electron synchrotron, 22:9734
  70-GeV proton synchrotron, 22:9735
KUZMICK, Jerome Florian Machined bodies of high density heavy metal alloys, 23:12283
KUZ'MIN, A. A. Excitation of radial betatron oscillations by longitudinal accelerating field, 25:25586
  Observation system of the 70-GeV proton synchrotron, 24:13216 (CERN-Trans-69-23)
  Orbit monitoring system for 70-GeV proton synchrotron, 24:37984 (CERN-Trans-70-6)
  Radio—electronic system of 70-GeV proton synchrotron, 22:32345 (CEAL-2000, pp A120-4)
  Rf control system for beam of 70-GeV proton synchrotron, 24:28641 (CERN-Trans-69-24)
  Shape of electrodes measuring the shift of charged particle beam, 22:3576
KUZMIN, A. D. Brightness temperature and polarization of Venus at 3.75-cm wavelength, 21:5038
  Theory of the radio emission of Hg, 23:5201
  Venera-4 and interpretation of radioastronomical measurements of Venus, 23:14595
KUZ'MIN, A. F. Motion of charged particles in approximately orthogonal electric and magnetic fields, 25:59210
KUZ'MIN, A. I. Annual variations and gradient of cosmic-ray intensity in the meridional plane, 25:55900
  Antisymmetric diurnal and semidiurnal variations of cosmic rays, 25:30319
  Characteristics of interplanetary magnetic field, 24:6398
  Cosmic-ray distribution and acceptance vectors of detectors. I, 21:39842
  Cosmic-ray distribution and acceptance vectors of detectors. II, 21:46188
  Cosmic-ray distribution and acceptance vectors of detectors. III, 22:24068
  Cosmic-ray distribution and the acceptance vectors of detectors. IV, 22:34317
  Cosmic-ray flux in interplanetary media. I, 25:30314
  Cosmic-ray flux in interplanetary media. II, 25:30315
  Cosmic-ray variations and magnetosphere oscillations, 21:29058
  Cosmic-ray variations and some characteristics of interplanetary space, 21:29045
  Effects of solar-activity cycle on irregularity of interplanetary magnetic field, 25:30326
  Isolating the true fluctuations of diurnal variation, 22:21951
  Principal features of Forbush decrease during solar activity minimum, 22:21808
  Results of studies of cosmic-ray variations in Yakutsk in 1957—1960, 21:29047
  Sidereal diurnal variations conditioned by the modulation of cosmic rays, 22:21949
  Twenty-seven day cosmic-ray variations, 22:11279
  Utilization of matrices in research into the distribution of cosmic rays, 22:21952
  Variations of high-energy cosmic rays, 22:11273
KUZ'MIN, A. K. Auroral protons and the "resonance" conception of a substorm, 25:22410
KUZ'MIN, A. M. Effective methods of calculating the neutron field in a nuclear reactor, 23:52455 (JPRS-48331, pp 106-22)
  Effective multigroup method for reactor calculation, 21:21656
  Few-group calculation method for multizonal reactors, 21:21732
  Optimization of fast reactors taking thermal, strength, and physical characteristics into account, 23:52312 (JPRS-48331, pp 438-55)
  Optimization of physical characteristics of nuclear reactors, 23:52467
  Optimization study of fast reactors, 25:60217
  Variational method for multigroup neutron field synthesis in multizone reactors, 21:21731

- KUZMIN, G. G. Astronomy and geodesy in Estonian SSR (1940—1966), 25:11538
- KUZ'MIN, I. A. Geomagnetic disturbances in high latitudes in June 1965, 24:30216
- KUZMIN, I. I. Deuteron stripping reaction as a special case of the three-body problem, 21:2794
  - Effect of electron and γ irradiation on VK-2 and VK-4 type "varicondsˮ, 21:37554
  - Effect of radiation on electrophysical properties of Ba titanate, 23:3555 (JPRS-45638)
  - Exact calculation of deuteron elastic scattering and the stripping reaction as a specific case of the three-body problem, 21:12110
  - Optical model and the distorted wave method, 22:32674
  - Particle scattering on a system of fixed centers, 21:40297
  - Radiation effects on electrophysical properties of barium titanate and materials with its base, 22:18845
  - Radiation induced phase transformations in $BaTiO_3$ and $PbTiO_3$, 24:30056
  - Radiation physics of ferroelectrics of barium titanate type, 25:43442
  - Radioinduced phase transformations in ferroelectric type $BaTiO_3$, 23:18284
- KUZ'MIN, N. M. Extraction concentration of impurities during analysis of high purity materials. III, 24:5593
  - Spectrochemical method for the determination of impurities in hydriodic acid, 23:7488
- KUZMIN, R. N. Application of Moessbauer effect in the investigation of superconducting alloys, 21:9522
  - Correlation properties of gamma beams in the x-ray band, 22:24037
  - Determination of magnetic moment stimulated by ^{121}Sb state, 25:5720
  - Magnetic properties of USb_2—$ThSb_2$ solid solutions, 23:42500
  - Metallurgical method for preparing highly active sources for Moessbauer spectroscopy of iron, 25:21422
  - Method for obtaining slow-electron beams, 25:22352
  - Moessbauer effect on impurity nuclei in metallic matrices, 23:16901
  - New Moessbauer ^{57}Co sources, 25:59203
  - Nuclear gamma resonance, 25:36343
  - Scattering of Moessbauer lines by crystals, 21:11711
  - Scattering of the bremsstrahlung by the Moessbauer nuclei, 25:36346
- KUZ'MIN, V. A. Calibrating neutrino installations with aid of artificial neutrino sources, 23:41068
  - Computation of geomagnetic lines of force, 24:12739
  - CP noninvariance and baryon asymmetry of Universe, 25:12239
  - Emission of neutrinos by massive stars and supernova, 24:8262
  - Energy and angular distribution of α particles from the reaction (n,α) on nuclei Ag and Br, 21:31767
  - Neutrino disintegration of the deuteron, 21:9759
  - Neutrino spectroscopy of Sun, 23:41064
  - Neutrino spectroscopy of the Sun, 25:19429
  - Splitting of the deuteron by solar neutrinos, 23:42640
  - Thermometry of Sun's interior in neutrino experiments, 21:6953
  - Thermometry of Sun's interior in neutrino detection experiments, 23:41861
  - Variation in gravitational constant and neutrino luminosity of Sun, 23:42748
- KUZ'MIN, V. F. Automatic precise field measurements in magnets of IHEP accelerator, 24:37983 (CERN-Trans-70-4)
  - Problems of controlling accelerators by digital computers, 24:45623 (CERN-Trans-70-5)
  - Topography of magnetic field in open and closed units of electromagnet of the 70 GeV accelerator, 22:44536 (IFVE-SKU-67-44-K)
- KUZ'MIN, V. G. Radioisotope scanning in diagnosis of renal tumors, 24:17089
- KUZ'MIN, V. I. Behavior of gas in different temperature zones of core of oxide fuel, 25:52474 (JPRS-53800, pp 196-204)
  - Optimization of fuel breeding in reactors, 25:1960
  - Oxide fuel for fast reactors, 23:52351 (JPRS-48331, pp 481-94)
  - Porosity in irradiated UO_2, PuO_2, and $(0.2\ Pu—0.8\ U)O_2$, 25:52473 (JPRS-53800, pp 188-95)
  - Swelling of a high-temperature oxide fuel, 24:42289
- KUZ'MIN, V. N. An apparatus for orientation of a monocrystalline target for an electron synchrotron, 23:3885
  - Formation of helium isotopes in cosmic rays, 22:11267
  - Obtaining monochromatic γ-ray quanta by positron annihilation in flight, 23:30879
  - Production of ^{3}He at interaction of 660-MeV protons with light nuclei, 22:13953
  - Study of 660 MeV proton interaction with oxygen nuclei, 23:39947
  - Synchrotron (1.5 GeV) of Tomsk Polytechnic Inst, 24:20297
- KUZ'MIN, V. V. Criteria of thermal (overheat) instability of transparent radiating gas, 25:33481
  - High-sensitivity thermally stimulated exoelectron emission element for gamma dosimeters, 25:57836
  - Sensitive element for radiothermoluminescent dosimeters for gamma and neutron radiations, 25:57849
  - Thermoluminescence fast neutron dosimeter, 21:43278
- KUZ'MINA, A. V. Automatic microcalorimeter, 21:6344
  - Heat of formation of solid solutions and energy stored in them during irradiation by protons, 21:21079
  - Kinetics of stored-energy buildup in alkali metal halide crystals after irradiation by protons, 21:21076
  - Use of differential-thermal calorimeter for measuring energy stored by irradiated crystals, 21:6343
- KUZ'MINA, E. A. Ionium ages and the process of formation of volcanic rocks, 24:36394
  - Plutonium-239 in nature, 21:34335
  - Radioactivity and absolute age of the young volcanic rocks, 21:36117
  - Radioactivity of minerals in some ultrabasic rocks in USSR, 25:276
  - Radioactivity of minerals of some ultrabasic rocks of the USSR, 24:9497
  - Radioisotopes and Pa age of neovolcanic rocks of Caucasus, 23:21810
  - Radioisotopes and protactinium age of neovolcanic rocks of Caucasus, 22:18919
- KUZMINA, E. G. Effect of temperature on the level of chromosome aberrations in cancer cell culture, 23:33675
- KUZ'MINA, K. I. Protective effect of electronarcosis in extreme cases of radiation sickness, 22:49484 (JPRS-39515, pp 1-13)
- KUZ'MINA, L. V. Kinetic equation for the passage of μ mesons through matter, 25:59400
- KUZ'MINA, M. A. Concerning the isotopic exchange of Br in the bromide analog of Zeise's salt, 25:15579
  - Investigation of cis- and trans-effect in platinum coordinated compounds by the isotopic exchange method, 23:174
  - Isotopic exchange of bromine in $[Pt(DMSO)Br_3]^-$ ions, 24:196
- KUZMINA, M. G. Milne problem for polarized radiation scattered according to Rayleigh's law, 25:14408
- KUZMINA, N. V. Functional activity of leukocytes in experimental radiation sickness, 21:11028
- KUZMINA, S. M. Some aspects of the polymerization in the solid state, 22:4195
- KUZMINA, S. S. Dye sensitized photopolymerization in the solid state, 21:23897
  - Mechanism of radiation post-polymerization of trioxane, 22:10299
- KUZ'MINA, T. D. Autoinfectious resistance in mice treated with tritium oxide, 23:17949
  - Biological effects and kinetics of the elimination of tritium oxide in dogs, 24:9769
  - State of autoflora of rats in ^{210}Po poisoning, 21:34670
  - State of immunological reactivity in rats poisoned with tritium oxide and in their offspring, 23:22177 (AEC-tr-6944, pp 251-7)
  - Toxicity of tritium oxide in rats, 23:47941
- KUZ'MINA, V. I. Investigation of phase diagram of Al—Mg—Zr, in the region rich in Al, 24:10099
  - Silicon diffusion in zirconium and aluminum, 22:17136
- KUZ'MINA, Yu. K. Possibility of sintering tungsten borides with nickel, 25:52437
- KUZMINOV, B. D. Analysis of measurements of fission fragment yields in terms of statistical model, 23:47077
  - Angular anisotropy and asymmetry of fragment masses at fission of ^{235}U and ^{238}U, 24:8902
  - Angular anisotropy and mass asymmetry of ^{232}Th fission fragments, 22:35286 (ANL-Trans-611)
  - Dependence of anti ν on neutron energy on basis of fission energy balance, 25:20440
  - Effect of ^{239}U fissible nucleus on yields and kinetic energies of fragments, 23:25908
  - Effect of excitation energy of a fissionable nucleus of ^{239}U on yield and kinetic energies of fragments, 22:42018 (LA-tr-68-21)
  - Effect of variations in the energy and mass distributions of fission fragments on energy dependence, 22:18348
  - Energy and mass distribution of fragments at fission of ^{235}U by monoenergetic neutrons, 22:48561
  - Energy and mass distributions of fragments at fission of ^{233}U and ^{235}U by fast neutrons, 22:14064
  - Influence of intermediate states of fissile nucleus ^{233}Th on mass and kinetic energy distributions of fragments, 22:35360
  - Kinetic energies and fragment yields from fission of ^{235}U and ^{238}U by monoenergetic neutrons, 22:5857
  - Kinetic energy of fragments in fission of ^{235}U, 24:22186
  - Mass and energy distribution of fragments at fission of ^{237}Np by neutrons, 24:33148
  - Mass and kinetic energy distributions of fragments from ^{235}U fission induced by thermal and fast neutrons, 21:21559
  - Mean kinetic energy of fragments at fission of ^{237}Np by neutrons, 22:44693
  - Multi-parameter investigations of fast fission fragments, 22:32563 (ANL-Trans-606)
  - Neutron fission of ^{235}U at excitation energy of compound nucleus 22 MeV, 22:22604
  - Resonance effects in near-barrier fission observed in (d,pf) reactions, 23:37261
- KUZMINOV, Ya. S. Scintillation counter with LiI(Eu) crystal for registering thermal neutrons, 25:18661
- KUZ'MINOVA, Z. I. Magnification of focusing system for deflecting the electron beam, 21:46151
- KUZMINSKI, J. Spectroscopy of ^{54}Mn, 25:50671
  - Total reaction cross section and elastic scattering of 24.7 MeV alpha particles in the region of $A = 60$ nuclei, 22:3645 (INP-558/PL)
  - Total reaction cross section and elastic scattering of 24.7 MeV alpha particles in the region of $A = 60$ nuclei, 22:7688
  - Total reaction cross-section for 24.7 MeV alpha particles in region of $A = 60$ nuclei, 21:11985 (INP-503/PL)
- KUZ'MINSKII, A. S. Action of gamma radiation on rubbers in vacuum in the presence of stabilizers, 23:40697
  - Characteristics of stepwise recombination of radicals in irradiated polydimethylsiloxane, 22:30610
  - Effect of crosslinks on the recombination of radicals in elastomers, 21:10396
  - Effect of sulfur crosslinks on radical recombination in irradiated elastomers, 22:51039
  - Influence of phenyl-β-naphthylamine and sulfur on radiation oxidation of rubbers, 23:9484
  - Oxidation of rubber under effects of ^{60}Co radiation, 22:33417
  - Role of crosslinks in the recombination of radicals in irradiated elastomers, 21:24023
- KUZ'MISHCHEV, V. A. Effects of thermal cycling of monocrystals of tungsten—molybdenum alloys, 25:58247
- KUZ'MITSKII, A. I. Proportional counter with a large window, 22:8357
- KUZ'MITSKII, I. V. Proton polarization in elastic and inelastic scattering on ^{25}Mg at 6.08 MeV, 24:30725
- KUZMIYAK, M. Polynomial expressions of electric and magnetic fields intensity in a horizontal plane of a cyclotron, 22:44544 (UJV-1903)
- KUZNECOVA, M. Analysis of γ—γ coincidence spectra measured in ^{155}Tb with Ge(Li) detectors, 23:15451
- KUZNETSO, A. N. Decrease of neutron yield from tritium targets, 21:21409
- KUZNETSOV, A. A. Application of phenomenological quasi-two-body model to π^-p-interactions with strange particle production at $p = 4$ GeV/c, 25:30869 (JINR-P1-5706)
  - Correlations between longitudinal and transversal momentum components of secondary particles produced in π^-p interactions at 4.0 GeV/c, 23:32634
  - Determination of strontium in human bone tissue, 23:26152
  - Enthalpy of formation of the N solid solution in α-Zr and of zirconium nitride in their homogeneity regions, 25:32725
  - Investigation of correlations between longitudinal and transverse momentum components for secondary particles in various final states of π^-p collisions at 4.0 GeV/c with production of strange particles, 25:7562
  - Nuclear interactions and study of unstable particles, 24:51945
  - Production of resonances in reactions $\pi^-p \rightarrow \pi^+\pi^-\Lambda^0K^0$ and $\pi^-p \rightarrow K^+\pi^-\Lambda^0\pi^0$ at 4.0 GeV/c, 24:3545
  - Quasi two-particle reactions in 4.0 GeV/c π^-p interactions with strange particles involved, 23:1593 (JINR-P1-4049)
  - Quasi-two-particle reactions with production of strange particles in π^-p interactions at 4.0 GeV/c, 23:27749
  - Study of a new resonance, 22:34840
- KUZNETSOV, A. B. Accelerating system of the ion loaded electron ring, 23:13148 (JINR-P9-4171)
  - Coherent energy losses of a relativistic bunch in linear accelerating systems, 24:3799 (JINR-P9-4728)
  - Coherent energy losses of a relativistic bunch in linear accelerating systems, 24:18323 (UCRL-Trans-1407)
  - Deceleration of relativistic charge during its transit past an ideally conducting obstacle, 25:41145 (UCRL-Trans-1441)
  - Motion of particles in the "adgeza,,, 23:21189 (UCRL-Trans-1390)
  - Problem of ultrarelativistic electron bunch radiation in cylindrical resonator, 24:24191 (JINR-P9-4909)
  - Problems of particle motion in adgesator, 23:8865 (JINR-P9-4132)
  - System for accelerating an ion-loaded electron ring, 23:34688 (UCRL-Trans-1394)
- KUZNETSOV, A. D. Measuring Q of superconducting resonators with traveling-wave tube, 25:45429 (UCRL-Trans-1437)
- KUZNETSOV, A. G. Methods of laboratory determination of radioactive elements in rocks, 25:51391
- KUZNETSOV, A. I. Dependence of the separation of nitrogen isotopes on the temperature of the column and desorber and the velocity of flow of complexes in the column, 22:16655
  - Kinetics of isotopic exchange of nitrogen between ammonia and its complexes with alcohols, 24:38823
  - Separation of nitrogen isotope by chemical exchange of ammonia in alcohol with ammonia, 21:40975
  - Separation of nitrogen isotopes by chemical exchange of ammonia solutions in water and acetone with ammonia, 22:16659
- KUZNETSOV, A. K. Change in the properties of zirconium—yttrium solid solutions during extended effect of high temperature, 23:1045
  - Rare earth elements in ternary solid solutions based on zirconia, 25:32827
- KUZNETSOV, A. N. Solid multilayer tritium targets for neutron generators, 23:3881
- KUZNETSOV, A. P. Compression of magnetic fields by cylindrical conducting envelopes, 25:19549
  - Turbulent jet of conducting fluid in longitudinal magnetic field, 25:55928
- KUZNETSOV, A. S. Asymmetry in the emission of π^+ mesons in 612 MeV pp-collisions with a polarized proton beam, 21:17036
  - Polarization of secondary protons in $pp \rightarrow \pi^+pn$ and $pp \rightarrow \pi^0pp$ reactions at 669 MeV, 25:5268 (JINR-P1-5293)
- KUZNETSOV, A. V. Gamma radiation effects on catalytic properties of La_2O_3 and CeO_2 in $^{16}O_2 + {}^{18}O_2 \rightarrow 2\ {}^{16}O^{18}O$ reaction, 23:4662
- KUZNETSOV, B. G. Glycogen influence of glycemia during radiation sickness, 22:23623
  - Possibility of detecting of the thermal radioemission of stars, 23:27241
- KUZNETSOV, B. Ya. Threshold Cherenkov counter for recording of uv part of the spectrum, 23:2653
- KUZNETSOV, D. A. Investigation of reaction $D(d,p)^3H$ with polarized deuteron beam, 22:48451
- KUZNETSOV, E. A. Dosimetry in radium therapy, 25:11069
  - Variational principle and canonical variables in magnetohydrodynamics, 25:27488
- KUZNETSOV, E. I. Calculations of hydrogen level populations and possibilities for high-temperature plasma diagnostics, 23:39449
  - Dependence of transport coefficients on plasma parameters in Tokamak, 25:14239
  - Lifetime of charged particles in plasma in the Tokamak TM-3, 24:49110
  - Lifetime of charged particles in Tokamak TM-3 plasma, 23:34374 (MATT-Trans-80)
  - Measuring concentration distribution of neutral atoms in plasma filament in TM-3 machine, 22:3029
  - Neutral hydrogen atom concentration in plasma pinch in Tokamak TM-3, 23:1389
  - Spatial distribution of ion temperatures in Tokamak devices, 25:36097
  - Transport coefficients in plasma in TM-3 Tokamak, 24:3296 (MATT-Trans-93)

Transport coefficients of plasma in Tokamak TM-3 apparatus, 23:34379
KUZNETSOV, E. K. Contamination of Na heat carrier, 23:50985 (JPRS-48330, pp 486-517)
Continuously-active indicator for the diffusion of hydrogen in sodium, 25:11400
Detection of water penetration into sodium, 24:52931
Questions concerning the detection of the entry of water into sodium, 25:1878 (ANL-Trans-857)
KUZNETSOV, E. N. Motion of a conducting symmetric top in magnetic field, 21:5126
KUZNETSOV, E. P. Calculation and model investigation of stressed state of bubble chamber body, 25:23848 (IFVE-SPK-70-9)
Neutrino experiments at Serpukhov, 24:15712 (CERN-69-28, pp 79-80)
Operation of a bubble chamber filled with freon bromide, 24:27417
Pressure variation system of a 4.5 meter bubble chamber, 25:44685 (NP-18930)
Serpukhov 70 GeV proton synchrotron, 23:49283
KUZNETSOV, E. V. 180-liter xenon bubble chamber, 25:18783
Investigation of the π^- exchange scattering by light nuclei at 2.8 GeV/c, 21:25241
KUZNETSOV, F. A. Structure of fluoride-type solid solutions in cerium—oxygen system, 21:23893
KUZNETSOV, F. M. Critical parameters of fissionable materials systems and nuclear safety, 22:1862 (JPRS-42322)
Critical parameters of systems with fissionable materials and nuclear safety; a handbook, 22:33123
Maintenance of reactor safety when working with fissionable materials, 21:1544 (JPRS-36824)
KUZNETSOV, F. O. Measurement of the temperature of plasma from pulse discharge in deuterium by self-reversal of the spectral lines, 22:46133
Measurement of the temperature of pulse-discharge plasma in deuterium by self-reversed spectral lines, 22:52757
KUZNETSOV, G. A. Double-beamed hole gamma—gamma densimeter, 22:2440
Use of the method of back scattered beta radiation to determine the content of some elements in rocks and ores, 22:28194
KUZNETSOV, G. D. Carburization of molybdenum in glow-discharge plasma, 24:51202
Corrosion of niobium carbide at high temperatures in media of commercial-grade inert gases, 22:15233
KUZNETSOV, G. I. Character of singularities of some one-loop nonrelativistic diagrams, 25:22910
Helicity and unitary representations of Lorentz group, 24:3717
Integral representations for relativistic amplitudes and asymptotic theorems, 21:27439 (JINR-P2-3250)
Integral representations for relativistic amplitudes and asymptotic theorems, 22:13807
Small centrifugal extractor, 24:41590
KUZNETSOV, G. M. Investigation of low-alloyed indium—gold alloys, 25:52369
Structure and properties of contact alloys of the indium—lead system, 25:52365
KUZNETSOV, I. A. Emergency conditions in operation of BOR reactor, 22:53349
Fast neutron reactor technology, 24:18598
KUZNETSOV, I. K. Topography of magnetic field in open and closed units of electromagnet of the 70 GeV accelerator, 22:44536 (IFVE-SKU-67-44-K)
KUZNETSOV, I. V. Effective momenta of inertia of heavy nuclei at the saddle point, 22:1669
Effective moments of heavy nucleus inertia in saddle point, 21:15568 (JINR-P7-3105)
Modification of the electromagnetic mass-separator on line with a heavy ion cyclotron, 25:44506 (BMBW-FBK-70-28, pp 59-67)
Nuclear fission into three fragments induced by heavy ions, 21:31824
Observation of Po and At isotopes among fragments from fission of ^{238}U bombarded by ions ^{22}Ne and ^{40}Ar, 23:5886
Observation of Po and At isotopes in fission fragments when bombarding ^{238}U with ^{22}Ne and ^{40}Ar ions, 22:22582 (JINR-P7-3710)
Ternary fission of ^{238}U induced by neon ions, 21:5530 (JINR-E7-2924)
Ternary fission of nuclei induced by heavy ions, 21:12022 (JINR-P7-3063)
KUZNETSOV, K. P. Experimental solenoid made of Nb_3Sn strip, 25:19588 (JINR-P8-5440)
KUZNETSOV, K. V. Linear proton accelerator I-2. VI, 22:32400
KUZNETSOV, L. F. Radioactive isotopes in railway transportation, 25:57672
KUZNETSOV, L. I. Metal—ceramic alloy for work at elevated temperatures, 21:1945
KUZNETSOV, M. M. Kinetics of electron recombination in molecular gas propagating into a vacuum, 21:24902
KUZNETSOV, M. P. New method of interpreting gamma-logging diagrams using a digital computer, 25:21191
KUZNETSOV, N. I. Calcium-45 metabolism in the bony callus during healing of fractures of the long bones, 21:8729
Influence of small doses of ionizing radiation on the respiration rate in chicken embryo, 21:26646
KUZNETSOV, N. M. Emissivity and relation between the temperature of electrons and ions of an optically transparent plasma, 22:3054
Marine nuclear reactors, 23:11322
KUZNETSOV, N. S. Use of erythrocytes labelled with /sup 99m/Tc pertechnetate for scanning of cardiac cavities, 23:29649
KUZNETSOV, O. I. Effect of preliminary irradiation of zeolites on their activity during the conversion process of propylene, 24:11601
KUZNETSOV, O. L. Possible methods for a multilateral study of oil wells by pulse-neutron and acoustical methods, 24:7521
KUZNETSOV, P. A. Low-noise preamplifier with an input cathode follower, 25:48907
KUZNETSOV, P. S. Investigation of the model of the 2-meter streamer chamber of the SCM-200 assembly, 25:18774 (JINR-P13-5529)
KUZNETSOV, R. A. Activation analysis, 22:14469
Determination of Zr in alloys with Be, Mg, Al, and Nb by photoactivation, 25:59
Extraction separation of radioactive manganese from large quantities of iron, 22:35898
Photoactivation analysis of an antimony-phosphorus ion exchanger, 25:44345
Photoactivation analysis of antimony—zirconium ion exchangers, 23:43284
Photoactivation determination of oxygen in compounds with iodine, 25:15534
Radioactivation analysis of silicon dioxide using ion-exchange chromatography, 22:12227 (AD-662383)
Sensitivity of photoactivation analysis using a betatron with an internal target, 23:13679
Separation of ^{99}Mo from fission products, 24:33779
KUZNETSOV, S. E. Unsteady MHD Couette flow during constant discharge of conducting fluid, 25:52715
KUZNETSOV, S. I. Chemism of inland waters and factors of their pollution and purification, 24:25436
KUZNETSOV, S. N. Behavior of outer radiation belt according to data from Elektron-1 and Elektron-2 satellites, 21:31315
Boundary of the outer radiation belt and zone of unstable radiation, 22:34443
Correlation between irregular phenomena in the ionosphere of the auroral zone and disturbances in the outer radiation belt, 21:46251
Correlation of magnetic activity indexes with intensity of outer-belt electrons, 25:55979
Electron precipitation at low altitudes, 25:24961
Investigation of cosmic rays and radiation belts by a vertical space probe, 25:22406
Monotonic decrease of intensity of electrons in radiation belts, 25:55978
Particle fluxes in the outer geomagnetic field, 23:30444
Radial diffusion of electrons of energy greater than 100 keV in outer radiation belt, 23:10543
Relationship between outer-belt electron intensity and geomagnetic activity indexes, 25:2969
Study of the geomagnetic field by means of radiation belts, 22:15457
KUZNETSOV, S. P. Low capacity nuclear desalination plants, 22:14630
KUZNETSOV, V. Investigation of ^{145}Eu emissions, 22:18219
KUZNETSOV, V. A. Autoelectron emission and structure of Mo—Re alloy surface in the α- and β-phase region, 23:22567
Autoion microscopy of W—1 percent Gd_2O_3, 24:8146
Crystallization of ZrO_2 and HfO_2, 23:10724
Development and power tests of thermionic reactor-converter "Topaz", 25:54044 (A/CONF.49/P-852)
Extraction methods in hydrometallurgy of nonferrous and rare metals, 21:39005
Field-ion microscopy of radiation damages in single tungsten crystal irradiated by 12 MeV energy deuterons, 23:14373
Integral data for ^{235}U in intermediate neutron spectrum, 25:15399
Investigation of ternary W—Mo—Re alloy with electron and ion projectors, 21:31017
Ion-exchange processes in hydrometallurgy, 21:39566
PF-4 experimental equipment for studying neutron energy spectra, 22:20423 (JPRS-43682, pp 199-222)
Structure and surface properties of alloys of W—Mo—Re system, 22:34068
Total macroscopic slow neutron cross-section for limited insulation, 23:46901
Use of zeolite pumps in field-emission microscopy, 25:29406
KUZNETSOV, V. B. Investigation of x- and gamma-ray spectra in scintillation radiography, 25:46624
KUZNETSOV, V. F. Dependence of the mean kinetic energy of fragments on the excitation energy of the fissioned nucleus, 22:14063
Energy dependence of average kinetic energy of fission fragments, 22:46766 (LA-tr-68-19)
Experimental studies of nuclear constants for fast reactors, 23:52453 (JPRS-48331, pp 51-73)
Fine structure of the energy dependence of anti τ for ^{233}U and ^{235}U in fission induced by neutrons of less than 1 MeV, 21:4319
Subbarrier fission of ^{232}Th by neutrons, 21:17373
KUZNETSOV, V. G. Calculating dose derivatives by the Monte Carlo method in order to optimize the form and composition of radiation shielding, 22:5399
Calculation of dose derivatives by monte carlo for optimization of shape and composition of shields, 22:11487 (ORNL-tr-1884)
Crystal structure of hydroxytricarbamide uranyl polyiodide $[UO_2(OH).3CO(NH_2)_2]I_4$, 23:2262
Distribution of U in the Tournaisian deposits of the western part of the Orenburg region, 22:10390
Evaluation of the radiation in a flight to the moon, 21:16343 (JPRS-38272, pp 123)
New phase in tellurides of rare earth metals of the cerium subgroup, 21:21956
Principles of calculating protection from space radiation, 21:16344 (JPRS-38272, pp 124)
Some experimental results concerning the shielding properties of materials in relation to high-energy protons, 21:33508 (AEC-tr-6719, pp 80-9)
Thermogravimetric and x-ray examination of gadolinium pyrophosphates, 21:62
Uranium distribution in the Turneian deposits of the western part of the Orenburg province, 21:1470
X ray studies of monoaquotetracarbamidouranyl halide nitrates, 25:2214
KUZNETSOV, V. I. Concentration of actinides by co-precipitation with organic co-precipitators, 23:17413
Economical source for multiply-charged calcium and zinc ions, 25:43765
Expansion of anode region and volt—ampere characteristics of thermionic converter, 24:49053
Extraction of technetium and rhenium with 8-mercaptoquinoline, 23:43393
Influence of radiation-protective preparations on functional state of human organism, 21:16375 (JPRS-38272, pp 366)
Investigation of 1.4-minute fissioning product in reaction ^{230}Th + ^{10}B, 21:40440
Investigation of spontaneously fissionable product (T/sub $^1/_2$/ = 1.4 min) in ^{230}Th + ^{10}B reaction, 21:12021 (JINR-P7-2984)
Investigation of spontaneously fissile products in the reactions ^{230}Th + ^{10}B and ^{230}Th + ^{11}B, 21:17376
Investigation of spontaneously fissionable product (T/sub 1/2/ = 1.4 minutes) in the ^{230}Th + ^{10}B reaction, 22:7704 (ORO-tr-3346-15)
Kinetics of molybdenum extraction by 8-hydroxyquinoline and its derivatives, 23:9522
Multicharged Ca and Zn ion source, 24:20290
Radioprotective action and methemoglobin formation in the case of the joint use of sulfur-containing protectors and paraaminopropiophenone, 24:50956
Regularities of production of spontaneously fissionable isotope of element 105, 24:40614 (JINR-P7-5108)
Separation of microgram quantities of palladium and Platinum and their isolation from ruthenium, rhodium, and iridium, 25:37475
Spontaneous fission of ^{243}Am, 21:5544
Spontaneous fission of isotope ^{254}102, 21:44691
Spontaneous fission of isotope 102^{254}, 21:12019 (JINR-E7-3043)
Spontaneously fissionable isomer in reactions ^{235}U + ^{11}B and ^{235}U + ^{10}B, 21:1090
Studies on the analytical chemistry of scadium, 21:35893
KUZNETSOV, V. M. Apparatus for investigating the photoproduction of π^+ mesons on H, 24:14305
Asymmetry of π^+-meson photoproduction under large angles in the region of the first resonance, 25:45636
Cherenkov threshold counters with a thin radiator, 23:45527
Measurements of the asymmetry ratio of positive-pion photoproduction by linearly polarized photons, 25:19889
Photoproduction of π^+ mesons by linearly polarized photons, 24:12925
Power supply for multigap spark chambers and chambers with larger gaps, 23:11853
Scaling network with commutation of the reset threshold, 25:49043
KUZNETSOV, V. N. Methods of testing structural materials in the MR reactor, 25:39292 (LB/G-3004)
KUZNETSOV, V. P. Quasi-classic approximation for alternating fields, 22:29175 (ITEF-517)
Taking into account Coulomb interaction in multiphoton ionization, 22:29236
KUZNETSOV, V. S. Calculation of the internal structure of non-laminar axially-symmetric intensive beams of charged particles, 25:36609 (NP-18860)
Calculation of the phase focusing of intensive ion bunches, 25:3481
Focusing of high-current electron beams in linear induction accelerators, 25:56608
High-current electron beam in a linear induction accelerator, 24:1716
Injector for cyclic electron accelerator, 24:8792
Intense beams with an arbitrary phase-density distribution in external focusing fields, 25:36642
Internal structure of high-intensity nonlaminar charged-particle beam, 21:43781
Internal structure of intense flux charged particles, 25:33896 (NP-tr-1933)
Magnetic characteristics of deflecting magnet and quadrupole lenses for beam forming in the proton synchrotron, 23:32864 (IFVE-OP-68-62)
Method for estimating internal structure of bunches of charged particles, 23:19090
Method of calculation of external structure of nonlaminar axially symmetric intensive beams of charged particles with thermal velocities equal to zero, 23:15318
Study of the processes of redistribution of phase density in intense proton beams extracted from a duo-plasmatron type ion source, 25:5458 (NP-18510)
KUZNETSOV, V. V. Combined effects of x rays and streptomycin on the mutability of Chlorella algae, 22:51511
Decay of ^{151}Gd, 21:21520 (JINR-P6-3127)
Determination of Sr in presence of Ba, 24:18883
Electrical resistance of Ti—Nb alloys at high pressures, 25:36321
Electron recombination in inert gases, 24:3348
Gadolinium-155 levels excited by decay of ^{155}Tb, 22:24856 (JINR-P6-3695)
Gadolinium-155 levels excited in decay of ^{155}Tb, 23:49420
Investigation of ^{150}Tb, ^{149}Tb, ^{149}Gd, and ^{149}Eu radiation, 21:23480 (JINR-P6-3128)
Investigation of ^{151}Tb irradiation, 21:12020 (JINR-P-2915)
Investigation of ^{151}Tb radiation, 22:5853
Investigation of ^{152}Tb radiation, 22:18223
Lifetime of excited states of Gd nuclei, 24:26662
Positrons in ^{147}Gd decay, 21:2741
Short-lived isomers of Tb isotopes: ^{148}Tb, ^{149}Tb, ^{150}Tb, and ^{152}Tb, 25:36726 (JINR-P6-5681)
Studies of ^{151}Gd radiations, 22:39667
KUZNETSOV, Vladimir Aleksandrovich Layout and design of marine nuclear reactors, 22:32932
KUZNETSOV, Yu. A. Effect of sectionalizing on energy characteristics of MHD generators, 22:52577
Uranium and radium in the surface layer of oceanic sediments, 23:35354

- KUZNETSOV, Yu. D. Use of Stebel γ apparatus in experimental radiobiology, 22:51620
- KUZNETSOV, Yu. G. Rhenium diffusion in tungsten, 22:17135
- KUZNETSOV, Yu. K. Drift dissipative plasma instability in discharge with oscillating electrons, 23:51667
  - Drift instability of the plasma in an oscillating electron (PIG) discharge, 21:44134
  - Drifting instability of plasma of discharge with oscillatory electrons, 22:24250 (AD-666145)
  - Effect of low-frequency oscillations on the cyclotron radiation of a plasma column, 24:37458
  - Intensity and shape of the emission lines at electron cyclotron harmonics in a plasma, 25:49891
  - Mechanism of cyclotron emission from plasma, 24:17902
  - Microwave radiation from a reflex discharge in an inhomogeneous magnetic field. II, 24:49138
  - Microwave radiation from plasma of reflected discharge in inhomogeneous magnetic field. I, 23:51636
- KUZNETSOV, Yu. V. Content of protactinium and thorium isotopes in ocean water, 21:4634
  - Investigation of the precipitation mechanism of ^{231}Pa and ^{230}Th from ocean water, 21:4494
  - Natural radioactivity of the waters and sediments in the Black Sea and the Sea of Azov, 21:8474 (AEC-tr-6641, pp 10-13)
  - Occurrence forms of ionium (^{230}Th) and thorium (^{232}Th) in the ocean, 23:15986
  - Question of possible variations in the past concentrations of uranium in the ocean, 25:57588
  - Radioactivity of oceanic suspensions. III, 22:10406
  - Radioactivity of oceanic suspensions. II, 22:10405
  - Rate of recent sedimentation in the ocean, 23:17629
  - Thorium isotopes (^{230}Th, ^{232}Th) in surface layer of Indian Ocean sediments, 23:21813
  - Thorium isotopes (^{230}Th, ^{232}Th) in the surface layer of bottom sediments from the Indian Ocean, 22:33555
  - Uranium and radium in the surface layer of oceanic sediments, 22:25553
  - Water deactivation procedures, 23:45389
- KUZNETSOVA, A. A. Effect of x-irradiation on protein synthesizing system, 24:14432
- KUZNETSOVA, A. P. Changes in hardness of neutron-irradiated chromium during annealing and deformation, 21:31064
  - Changes in mechanical properties of annealed aluminum alloy following irradiation in a nuclear reactor, 21:1921
  - Metals and alloys irradiated by neutrons, 24:8163
  - Radiation aging of chromium, 25:13730
- KUZNETSOVA, A. S. Influence of deformation rate on deformability of Mo—0.5 percent Ti alloy, 25:42833
- KUZNETSOVA, E. D. Ascorbic acid content of organs of rats fed irradiated cooked meat, 25:46987
- KUZNETSOVA, E. M. Effect of the diluent on the partition coefficient and the single-stage separation factor in the extraction of rubidium and cesium salts by phenol, 25:34701
  - Isotope distribution between fractions, 24:36371
- KUZNETSOVA, E. N. Ergosterol irradiation products, 24:26970
- KUZNETSOVA, E. S. Inelastic π^-p-interactions at 7.5 GeV. Four-prong events with protons, 21:25240
  - Inelastic π^-p-interactions at 7.5 GeV. Four-prong events with neutrons, 21:33614
  - Inelastic π^-p-interactions at energy 7.5 GeV. Four-prong events with neutrons, 21:7461 (JINR-P1-2963)
  - Use of images of velocity space to study kinematics of π^-p interactions at 7.5 GeV with identified proton, 23:7089
- KUZNETSOVA, G. A. Cesium-137 and ^{90}Sr uptake from foods in Poles'ya, 24:23156
  - Content of artificial radioisotopes in atmosphere over Moscow during 1962—1967, 25:34748
  - Radioactivity of atmospheric air and of food products in Moscow, 1965—66, 22:23163 (A-AC-82/G/L-1192)
  - Strontium-90 and ^{137}Cs in certain parts of external environment and in human body, 1958—1967, 23:17571 (AEC-tr-7030, pp 65-74)
  - Uptake of ^{65}Zn by fish, 25:24009
- KUZNETSOVA, G. G. Instability of an electron beam in a space-periodic electric field, 24:45703
- KUZNETSOVA, G. M. Dynamic model of the ionospheric F region, 24:21673
  - Emissive properties of yttrium and gadolinium borides, 22:28884
- KUZNETSOVA, G. N. Systems KF—YF$_3$, BeF$_2$—YF$_3$, K$_2$BeF$_4$—K$_3$YF$_6$, 22:45079
- KUZNETSOVA, G. P. Phase equilibria in an yttria—alumina—neodymia system, 23:3156
- KUZNETSOVA, I. G. Effect of crystal structure disorder of BN on its sintering, 25:58359
  - Sintering of boron nitride powder, 23:44010
  - Sintering of boron nitride powders during hot pressing, 24:44759 (LA-4293-TR)
- KUZNETSOVA, I. P. Immediate and remote reactions after intratissular administration of colloidal radiogold (^{198}Au) in treatment of milk-duct carcinoma, 23:18122
- KUZNETSOVA, L. A. Radioprotective properties of dibromhydrate of bis(2-aminoethyl)disulfide in range of long-wave x-rays, 25:32454
  - Use of enteric bacteria for determination of absorbed dose of x radiation, 25:52269
- KUZNETSOVA, L. M. Shell interpretation of the separable interactions between lightest nuclei, 25:43786
- KUZNETSOVA, L. V. Mitotic cycle in normal and irradiated cells of the human diploid strain WI-38, 25:8743
- KUZNETSOVA, M. Decay ^{155}Tb $\rightarrow$ ^{155}Gd, 21:1072 (JINR-E-2908)
- KUZNETSOVA, M. A. Combined action of vibration and ionizing radiation on metabolism and functioning of central nervous system, 21:16437 (JPRS-38272, pp 334-5)
  - Combined effect of spaceflight factors on some functions of the organism, 21:30911
  - Combined effect of ten fold vibration and fractionated gamma irradiation on the state of spinal cord reflex activity in guinea pigs, 23:33878
  - Effect of total gamma irradiation on reflex activity of the spinal cord, 23:26892
  - Effects of space flight on the central nervous system, 25:11298
  - Influence of the complex action of multiple vibration and fractionated irradiation on state of arch of spine-brain reaction, 21:16441 (JPRS-38272, pp 320)
- KUZNETSOVA, M. I. Oxidation of Nb, 22:23827
- KUZNETSOVA, M. Ya. Gadolinium-155 levels excited by decay of ^{155}Tb, 22:24856 (JINR-P6-3695)
  - Gadolinium-155 levels excited in decay of ^{155}Tb, 23:49420
  - Investigation of ^{155}Tb radiation, 22:18223
  - Method of data processing of two-dimensional coincidence spectra and its application for the analysis of γ—γ coincidence spectra measured in ^{155}Tb with Ge(Li) detectors, 21:46719 (JINR-P6-3479)
- KUZNETSOVA, N. N. Determining impurities in high-purity niobium, 22:1981
  - Gonad damage in female mice developing from irradiated embryos, 22:17036
  - Injuries in testes in mice irradiated during embryonic development, 22:19429
  - Radioprotective effects of certain antibiotics on wheat, 24:27418
  - Radioprotective properties of some antibiotics applicable to plants, 23:35938
  - Radiosensitivity of peripheral blood elements in vivo and in vitro in different animal species, 22:19438
- KUZNETSOVA, O. B. Recovery phenomena in yeast. II, 25:8797
  - Recovery phenomena in yeast. III, 25:32381
  - Role of macromolecular synthesis in uv-induced mutagenesis in Saccharomyces cerevisiae, 25:44980
- KUZNETSOVA, O. D. Recovery phenomena in yeast. I, 24:34768
- KUZNETSOVA, R. I. Character of the reaction of thorium with rare earth metals, 24:10104
  - Constitution diagrams of Th—Tb and Th—Ho alloys, 22:10992
  - Phase diagrams of the Th—Pr and Th—Nd systems, 21:26856
  - Radiochemical investigation of products from splitting of praseodymium nuclei by protons with energy of 660 MeV, 24:3893
  - Solidus and liquidus of U—Zr—Nb system, 25:37971
- KUZNETSOVA, S. M. Composition of α solid solution in Ti—Al—Mo and Ti—Al—V, 24:27782
  - Conversions in Ta—V—W system in solid state, 22:45788
  - Diffusion study in V—Ga and Nb—Al systems with electron-probe microanalyzer, 25:16525
  - Investigation of system Zr—Nb—V by method of local x-ray spectral analysis, 23:41673
  - Investigation of W—Ta—Re by the diffusion-layer method, 22:4809
  - Phase boundaries in systems of Ti with V, Nb, and Mo by method of diffusion layers, 25:49475
  - Phase equilibria in the system vanadium—tantalum—hafnium, 25:27247
  - Phase equilibria in Zr—Nb—V system, 22:19550
  - X-ray study of the Zr—Nb—Ni system, 24:36935
- KUZNETSOVA, S. S. Daily fluctuations of the radiosensitivity of mice, 22:23641
  - Seasonal influence on daily periodicity of the radiosensitivity of mice, 25:52191
- KUZNETSOVA, T. I. Anomalous hydrogen line intensities in the spectrum of HD 152107, 25:2834
- KUZNETSOVA, V. A. Analysis of γ—p elastic scattering in energy region 120 to 280 MeV, 21:33652
- KUZNETSOVA, V. G. Phase diagram of Nb—Sn system, 23:12351
  - Preparation and studies of some properties of plutonium monocarbides, 21:32960
  - Preparation and study of some properties of Pu monocarbide, 21:43577
- KUZNETSOVA, V. N. Corrosion resistance of reactor materials; a handbook, 22:33109
- KUZNETSOVA, V. V. Fluorimetric determination of Eu and Tb in mineral raw materials and Y oxide, 22:33220
  - Luminescence and phase state of europium oxide—tantalum oxide systems, 25:38021
- KUZNETSOVA, Yu. S. Extraction of rare earth metals by tetraoctylmethylenediphosphine dioxide, 24:20859
- KUZNETSOVA, Z. M. Mo, W, and U oxyfluorides of alkali metals and ammonium, 22:45080
  - System KF—UO$_2$—H$_2$O, 21:19609
- KUZNETZOV, E. K. Determination of O and H in Na, 21:30356 (ORNL-tr-1612)
- KUZNETZOV, V. A. Statistical methods in experimental reactor physics, 23:11265 (RCN-98, pp 71-7)
- KUZNETZOV, V. V. An injector of fast hydrogen atoms, 21:27119 (UCRL-Trans-1262)
- KUZNIA, C. Metamagnetic behavior of EuSe, 22:52878
- KUZNIA, Ch. Nuclear magnetic resonance in magnetically ordered Eu(II) compounds, 22:32014
- KUZNIETZ, H. Antiferromagnetic structures of USb and UBi, 23:39578
- KUZNIETZ, M. Knight shift of ^{31}P NMR in paramagnetic state of U phosphides, 22:3181
  - Knight shifts of ^{31}P in paramagnetic state of UP—US solid solutions, 23:3560
  - Magnetic properties of uranium compounds with NaCl structure, 22:15621
  - Magnetic properties of uranium compounds with elements of VA and VIA groups. I, 22:44262
  - Metamagnetism in UP/sub 0.75/S/sub 0.25/, 23:42479
  - NMR in UH$_3$, 22:32011
- KUZNIETZ, Moshe Effect of substitutional anions on magnetic properties of UN and GdN, 25:27880
  - Energy-dependent photoemission intensities of f states in EuS, GdS, and US, 25:33437
  - Magnetic interactions in uranium monopnictides and monochalcogenides, 24:24153
  - Magnetic ordering in UP$_{0.75}$S$_{0.25}$, 24:15412
  - Magnetic phase diagram of the UP/sub 1-x/S/sub x/ system, 23:30191
  - Magnetic properties, x-ray diffraction, and ^{31}P NMR linewidths in UP/sub 1-x/S/sub x/ powders, 23:44544
  - Magnetic structures in UP$_{0.35}$S$_{0.65}$, 23:12967
  - NMR and relaxation of ^{31}P in UP—US solid solutions, 24:10645
  - NMR of ^{14}N in paramagnetic state of UN, 23:27717
  - NMR of ^{31}P in antiferromagnetic state of metallic UP, 23:51810
  - NMR properties of ^{14}N in ThN and of ^{31}P in ThP, 23:1537
  - Nuclear magnetic relaxation of ^{31}P in diamagnetic ThP, 23:27715
  - Nuclear magnetic resonance in UH$_3$ and UD$_3$, 24:26336
  - Photoemission studies of rare-earth and uranium compounds, 25:27876
  - Relation between NMR properties of ^{31}P in paramagnetic state of UP/sub 1-x/S/sub x/ system and magnetic ordering, 24:24183
- KUZOVKOV, A. G. Acid-alkaline equilibrium in brain of irradiated animals, 24:750
  - Electrolyte composition of the blood plasma and spinal fluid in rabbits irradiated after prophylactic administration of cystamine, 22:51903
  - Role of internal medium of brain in mechanism of protective responses during irradiaton, 25:44943
- KUZOVLEV, G. M. Special hydrotechnical constructions for nuclear installations, 21:30231
- KUZOVLEV, I. A. Extraction concentration of impurities during analysis of high purity materials. III, 24:5593
- KUZOVNIKOV, A. A. Changes in variable potential of Langmuir probe, 21:46325
  - Investigation of plasma complex conductivity in low-frequency region, 23:10649
  - Investigation of space charge layers by the plasma capacitor method, 23:10651
  - Ion sound excitation in a direction perpendicular to the current, 22:44119
  - Limitations of application of capacitor method of measurement of intrinsic plasm electric conductivity, 22:48098
  - Low-frequency resonances and averaged field potential in a nonisothermal plasma, 23:36753
  - Plasma diagnostics by radioprobe with floating potential, 23:14754
  - Polarization of plasma in low-frequency region, 24:17918
  - Stabilization of torch discharge, 21:803
- KUZUYA, T. Insulin-like activity by fat pad assay and immunoreactive insulin. I, 24:27493
- KUZYURINA, L. A. Variability in Aspergillus niger induced by ethylenimine and uv-radiation, 21:45602
- KVACHADZE, V. G. Influence of structure defects on the heat conductivity of lithium fluoride crystals, 22:46244
- KVAM, D. J. Versatile, steam-detergent decontamination gun, 21:12554 (UCRL-50007-66-1, pp 55-6)
  - Walk-in decontamination hood, 24:25164 (UCRL-50007-69-3, pp 17-19)
- KVAPIL, Jiri Growth and structure of RbUO$_2$(NO$_3$)$_3$ crystals, 25:54579
- KVAPIL, Josef Growth and structure of RbUO$_2$(NO$_3$)$_3$ crystals, 25:54579
- KVARATSKHELIA, N. T. Uptake of ^{90}Sr from Georgian SSR soils by cereals, 21:17967
  - Uptake of radiostrontium by grain crops from soils of Georgian SSR, 22:19291
- KVARTSKHAVA, I. F. Plasma heating and stability in a combined pinch, 25:38332 (CONF-710607-13)
  - Plasma losses in high-current plasma configurations due to the inverse skin effects, 25:58967
  - Properties of a plasma in a combined high-current discharge, 23:32396
  - Role of recurring discharge ignition in dynamic Z pinch, 25:59015
  - Role of repeated discharges in Z-pinch dynamics, 24:5162 (NP-18065)
  - Role of repeated ignition of discharges in zeta-pinch dynamics, 24:49131 (AEC-tr-7170)
- KVAS, O. F. Electrophysical properties of Gd, Tb, Dy, Er, and Tm dicarbides, 21:41654
  - Obtaining of Gd, Tb, Dy, Er, Tm, and Lu dicarbides, 21:41640
- KVASHA, A. I. Accelerating field stabilization in beam-loaded proton linac by choosing hf supply parameters and operating conditions, 21:29794
  - Field decrements in linear proton accelerators, 24:47538
  - Hf-field stabilization in strong current linacs, 22:32323 (CEAL-2000, pp A54-5)
  - Nonlinear interactions of an intensive beam of charged particles with the accelerating field, 24:45653 (KFK-tr-318)
- KVASHA, L. G. Mercury in meteorites, 25:19303
- KVASHENKO, Ya. Ya. Role of crosslinks in the recombination of radicals in irradiated elastomers, 21:24023
- KVASHENKO, Yu. Yu. Effect of crosslinks on the recombination of radicals in elastomers, 21:10396
  - Effect of sulfur crosslinks on radical recombination in irradiated elastomers, 22:51039
- KVASHNIN, A. N. Some results of regular measurements of the intensity of x-ray photons in the atmosphere, 24:45067
- KVASHNINA, E. S. Variability in fusarium section sporotrichiella induced by ultraviolet rays, 22:25757
- KVASHNINA, L. B. Effect of order-disorder phase transition on probability of Moessbauer effect in solid solutions, 22:34763
  - Moessbauer spectra in nonideal crystals, 21:25202
- KVASNICA, J. Photon bremsstrahlung from an extreme relativistic hydrogen plasma, 24:10552
- KVASNICA, Josef Structure of the atomic nucleus, 22:1748

KVASNICKOVA, E. Decrease in pethidine demethylating activity of isolated rat liver microsomes following whole-body x-irradiation, 25:27034
  Microsomal structural protein after x-irradiation, 25:39919
KVASNIKOV, B. V. Use of radioactive isotopes in selection of vegetables, 22:49308
KVASNIKOV, I. A. Questions concerning kinetics of model system allowing exact solutions, 23:32593 (ITF-69-12)
KVASNIKOVA, L. Hemopoiesis in chimeras, 24:6122
KVASNIKOVA, L. N. Influence of Aminazine in rabbits, 24:4689
  Material on the pharmacological protection of the vestibular analyzer in the case of radiation effects, 21:16373 (JPRS-38272, pp 46)
KVASOV, V. A. Calculation of isodose charts on an electronic computing machine, 21:10893
  Calculation of total dose distributions, 23:31786
  Experience in operating a linear accelerator of electrons with an energy of 5 MeV, 23:12171
KVAVADZE, D. K. Vertically moving disturbances and the structure of the ionosphere, 21:46256
  Vertically moving disturbances in the nighttime ionosphere, 21:46243
KVAVILASHVILI, I. Sh. Redistribution of K$^+$ in eggs of Misgurnus fossilis, 23:45670
KVEDAR, John P. Virus-cell relationships in dog brain tumors, 25:57262 (ORO-3195-50)
KVENVOLDEN, Keith Carbon, carbides, and methane in an Apollo 12 sample, 25:16742
KVERNES, I. High temperature oxidation of Hf—Nb alloys, 24:4723
KVERNES, Ingard Investigations on the Nb—O—N system. I, 22:683
  Precipitation from supersaturated niobium—oxygen—nitrogen solid solutions, 22:11069
KVESETH, Nils Joergen Thermodynamics of the UO/sub 2+x/ phase. I, 24:51215
KVETINA, J. Changes in the influence of morphine on breathing of rats suffering from acute irradiation sickness, 22:21615
  Effect of d-tubocurarine in irradiated animals, 25:24413
  Effect of diazepam on toxicity of cardiazole, 25:24227
  Influence of acute irradiation disease on ethanol metabolism in rats, 22:19244
  Intestinal transport of ^{14}C-labeled para-aminobenzoic acid, 25:24411
KVETINA, Jaroslav Acetylation of PABA in rat liver in acute radiation sickness, 24:34659
KVETKAS, Marilyn J. Genetic analysis of a large-cell, radiation-resistant strain of Escherichia coli, 24:42040
  Large-cell radiation-resistant strain of E. coli. II, 23:45690 (ANL-7535, pp 3-5)
  Large-cell radiation-resistant strain of E. coli. I, 23:45689 (ANL-7535, pp 1-3)
KVETKAS, Marilyn Jean Large-cell strain of E. coli, 24:930
KVICALA, J. Observations of chromospheric flares at Ondrejov, 25:27391
  Observations of chromospheric flares at Ondrejov, 25:30189
KVICALA, V. Diagnosis of brain lesion types by gamma encephalography, 21:1787
  Isotope circulography in vascular disorders of the brain, 21:20310
  Isotope cisternography and myelography, 24:34508
KVICHKO, L. A. Optimal conditions for extraction of Zr, Hf, Th, and Fe(III) with Arsenazo I and diphenylguanidine, 24:36378
KVICK, Paul G. Function scales and nomograph for the calculation of air pressure drop through constant-area heated passage, 22:4343 (PWAC-218)
KVIFTE, G. I. Determining atmospheric Na concentration from twilight observations, 24:37369
KVIFTE, G. J. Coherency of x-ray and optical pulsations in auroras, 21:31338
  Hydroxyl rotational temperatures and intensities in the nightglow, 22:17503
  Morphology of the pulsating aurora, 24:1320
KVIFTE, G. L. Effect of a velocity dispersion of the primary particles on auroral light and x-ray pulsations, 22:47938
KVIMSADZE, M. V. Propagation of intense electromagnetic waves in a two-component plasma, 25:30619
KVIN, V. E. Tungsten base metal—ceramic alloy, 25:35476
KVINIKHIDZE, A. N. Factorization of dual amplitudes and loops in the coherent state model, 25:17585 (JINR-E2-5568)
  Method of coherent states and diagram technique for dual amplitudes, 24:35616 (JINR-E2-5182)
  Method of coherent states and factorization of dual amplitudes, 25:20120
  Relativistic three-particle problem in terms of three-dimensional variables, 25:36586 (JINR-E2-5771)
  Retarded part of two-time Green function and two-body relativistic problem, 25:31014 (JINR-E2-5746)
  Three-particle relativistic problem and Glauber type representation, 24:43069
KVIST, G. Estimation of regional cerebral blood flow by autofluoroscope, 25:6734
KVITEK, I. Alpha decay at highly excited states in Sm isotopes, 21:44687
  Gas scintillator in electric field for charged particle detection, 22:45278 (JINR-P3-3904)
  Measurement of reaction Nd(n,α) on resonance neutrons, 21:17348 (JINR-P3-3104)
  Xenon filled scintillation detector with multi-layer target for studying rare (n,α) type reactions, 21:39248
KVITEK, J. (n,α) reaction on Sm and Nd isotopes, 25:14994
  Alpha decay after resonance neutron capture by samarium and neodymium, 21:9998 (JINR-E3-3029)
  Alpha-decay rate of nuclear excited states, 22:27204
KVITEK, L. C. MACH 1 one-dimensional diffusion-theory package, 21:7627 (ANL-7223)
KVITKO, K. V. Effect of hygromycin B and streptomycin on Actinomyces hygroscopicus variability induced by x-irradiation, 25:57964
  Mutagenic effects of radiation and ethylenimine on algae, 22:51496
KVLIVIDZE, V. A. Cross sections for transitions between fine structure components of second group excited atoms induced by collisions with noble gas atoms, 22:11205
  Effect of pseudo-interaction of terms on adiabatic transitions in inelastic atomic collisions, 22:19792
  Excitation cross section for the He in slow collisions with He, 22:47822
KVOKOVA, I. M. Heat-resistant galvanic electroplating of molybdenum and tungsten, 21:18238
KWA, T. L. Relations between gas chromatographic behavior and chemical structure. III, 25:2167
KWAK, D. Dynamics of shock intersections, 24:33620 (UCRL-72443)
KWAK, Hi-sang Radiation preservation of fishery products. II, 24:42044
KWAK, N. Double charge exchange in π^+—helium scattering, 22:32067
  Pi$^+$—^{4}He elastic scattering at 610 MeV/c, 22:22325
  Quark way to asymptopia, 25:5354
  Reaction anti pp → antiΛΛ, 24:13078
  Single- and double-pion production in proton—antiproton nonannihilations at 2.2 GeV/c, 25:56487
  Spin correlations in anti pp → anti ΛΛ at 2.19 GeV/c, 24:12935
KWAK, Nowhan Quark in high-energy cosmic-ray bubble-chamber picture, 24:26355
KWAMURA, Fumio Biological protection mechanisms of radioprotectors on mammalian cells. IV, 21:1783
KWAN, Ch. K. Photospallation of medium-heavy elements with bremsstrahlung of maximum energies between 0.8 and 2.1 GeV, 25:14977
KWAN, L. T. Antiseismic design of a PWR nuclear power station, 22:37440 (HN-192)
KWAN, Takao Electronic nature of paramagnetic oxygen species combined with metal ions, 25:6296
  Reactions between cyanocobalt(II) complex and α-amino acids, 22:14407 (BNL-tr-183)
KWANG, In Kil Theory of photons in a fully ionized gas. I, 23:8601
KWAP, T. Interactive graphics system for nuclear data acquisition, 23:29261
KWAPULINSKI, Jerzy Beta-radioactivity of the tree pin in Sudety, 24:50869
  Distribution of β activity in bottom material from Kozlov Mountain Water Basin, 22:27900
  Influence of some factors on the radioactivity of water in the shallow reservoir of the barrage, 23:40871
KWART, Harold Kinetic deuterium isotope criterion for concertedness, 25:51457
KWASNIEWSKA, C. Qualitative changes in lymphocytes as index of exposure to ionizing radiation, 22:23537
KWASNIEWSKA-BLASZCZYK, M. Effect of microwave irradiation upon capillary circulation, 23:29891
KWASNIEWSKA-BLASZCZYK, Marcelina Effect of microwaves on capillary circulation in muscles of extremities, 23:2974
KWASNIEWSKA-ROKICINSKA, Cecylia Examination of the pyruvic acid content in blood-serum in patients treated with radiotherapy, 21:32773
  Post-irradiation reactions of rectum in patients treated with Ra after modified Paris technique in years 1957—1960, 23:35826
KWASNITZA, K. Hysteretic behavior of type-II superconductors, 23:48851
KWASPEN, J. J. M. Two oscillation types in a beam-generated plasma, 24:23970
KWAST, H. In and out of pile experiments related to the safety of fast reactor fuel pins, 25:23310 (EURFNR-884)
  Post-irradiation examination of fuel pins R62-A01 and -A02 irradiated in a sodium environment up to 19 MWd/kg UO_2, 25:55648 (RCN-144)
KWAST, Tomasz Seyfert galaxies, 24:1222
KWEI, G. H. Quenching of glory undulations in scattering of sodium atoms from polyhalide molecules, 21:20752
  Variable delay gate generator for two-channel counting systems, 25:42063
KWEI, M. W. Presunrise heating of ionosphere at Arecibo due to conjugate-point photoelectrons, 22:38912
  Presunrise heating of ionosphere due to conjugate point photoelectrons, 21:35077 (CONF-670429-3)
KWEI, T. K. Radiolysis and crystallization of ethylene—acrylic acid copolymers, 24:11630
KWIAT, Eugene V. Effects of gamma radiation and chemical treatment on quality of stored potatoes for fresh market and processing usage. final report, 23:12247 (COO-1539-1)
KWIATKOWSKA, Ewa Disorders of hair growth and follicular melanogenesis, 24:8011
KWIATKOWSKA-SIENKIEWICZ, Krystyna Determination of silicon in pure tellurium, 25:57324
KWIATKOWSKI, Andrzej Organic anti-corrosive coatings in the nuclear technique, 22:23909
KWIATKOWSKI, Bartlomiej Influence of uv radiation on pigeon erythrocytes, 25:58113
KWIATKOWSKI, Tadeusz Effect of ionizing radiation on the chemical components of spruce wood irradiated in different media, 25:46500
KWIATKOWSKI, Z. Effect of uv and HNO_2 on recombination in Aspergillus, 21:18031
KWIATKOWSKI, Zbigniew Uv action on E. coli, 23:33688
KWIECIEN, Witold Zinc alloys containing beryllium, 21:41559
KWIECIENSKA, T. Spectrum of transfer reactions in the interaction of heavy ions with nuclei, 22:27197
KWIECINSKA, T. Neutron pick-up in the bombardment of ^{181}Ta, ^{197}Au, ^{232}Th, and ^{238}U isotopes by ^{15}N ions, 21:12071
KWIECINSKI, J. Complex Regge poles and line reversed reactions, 25:25428
  Decouplet exchange superconvergence relations for meson—baryon scattering, 22:32141 (INP-592/PH)
  Decouplet exchange superconvergence relations for meson-baryon scattering, 23:3742
  Decouplet superconvergence relations for meson—baryon scattering, 23:44673
  Dispersive calculation of symmetry breaking corrections to strong coupling constants, 22:11711
  Fixed u continuous moment sum rules for Kp scattering, 24:33020
  Fixed-u finite-energy sum rules for KN scattering, 24:3658
  Possible new threshold sum rules implied by unitarity, 25:22797
  Sum rule for the four pion coupling constant resulting from current algebra, 21:17111
  Superconvergent sum rules for meson—baryon scattering, 23:27804
  Theory of $\pi\pi$ interaction, 24:15553 (INP-681, pp 171-92)
KWIECINSKI, Jan Dispersive calculation of symmetry breaking corrections to strong coupling constants, 21:31627 (INP-541/PL)
  Sum rule for the four pion coupling constant resulting from current algebra, 21:11768 (INP-496/PL)
  Superconvergence and finite energy sum rules, 23:8805 (INP-622(Vol.1), pp 75-84)
KWIECINSKI, S. Determination of bromine in human tissues, 24:41725
KWIECINSKI, St. Activation analysis of chromium, silicon, nickel, tungsten in alloys by using neutron generator, 22:33269
  Automatic activation analysis system using a fast neutron generator, 21:1290
  Automatic activation analysis system (AAAS) with fast neutrons, 22:25319
KWIECINSKI, Stanislaw Determination of high Cd contents in industrial materials by back scattering of β particles, 23:43268
KWINTA, Jean Separation of the transplutonium and lanthanide groups on anion exchange resins in the ammonium thiocyanate—propanol—water system, 24:29360 (CEA-R-3976)
KWIRAM, Alvin L. CO bond scission in radiolysis of crystalline carboxylic acids, 25:159
  Discovery of a sigma radical in x-irradiated malonic acid, 24:18996
  Electron-nuclear double-resonance-enhanced deuteron magnetic resonance, 24:32939
KWOCZYNSKI, Z. Serum proteins under increasing doses of radium gamma radiation, 24:29884
KWOK, M. A. Isotope separation with the cw hydrogen fluoride laser, 25:10690
KWOK, P. C. Relationship between the critical temperature and normal-state magnetic properties of a superconductor containing magnetic impurities, 22:48058
KWOK, P. Y. Expansion of the scattering amplitude at high energy, 24:35715
  Positivity conditions for Veneziano amplitude, 23:39703
  πK scattering length and background term in Veneziano model, 23:36911
KWOK, W. K. Kinetics, isotope rate effect, and mechanism of dehydrobromination of cis-1,2-dibromoethylene with triethylamine in dimethylformamide, 23:9383
KWON, Nyong D. Anomalies of primary cosmic rays in East—West plane, 23:32203
KWON, S. H. Mass-screening technique for obtaining bacterial blight resistant mutants in soybeans, 22:36246
KWON, Shin Han Soybean improvement by application of x-ray and thermal neutron, 23:4909
KWON, T. H. Neutron scattering from paramagnets, 23:10927
  Paramagnetic scattering of neutrons from a Heisenberg system, 22:18084
KWUN, Sook-Il Infrared absorption in gamma-ray irradiated single crystal of sodium nitrite, 25:3191
KY, K. C. Heat transfer in open-circuit aligned-field MHD flow, 24:29438
KY, Kim Chung Heat transfer in open-circuit aligned-field magnetohydrodynamics, 25:40430
KYAEMBRE, Kh. F. Mechanisms of photostimulated electron emission from ionic crystals, 21:29368
  Optical and thermal electrons and photostimulated luminescence in KCl:Tl, 21:29379
KYCIA, T. F. Absorption cross sections for high energy protons, antiprotons and π and K mesons on nuclei, 21:37697 (BNL-11598)
  Design and performance of K$^+$ detector, 21:43243
  Measurement of p—p and p—d total cross sections at 3.00 GeV/c, 24:37635
  New structures in K$^+$—p and K$^+$—d total cross sections between 1.55 and 3.30 GeV/c, 21:35268
  New structures in the K$^-$p and K$^-$d total cross sections between 2.4 and 3.3 GeV/c, 22:20144
  Structure in K$^+$N, I = 0 total cross section, 24:10683
  Structures in k^{+-}—nucleon total cross sections between 0.9 and 2.4 GeV/c, 24:37655
  Structures in the anti pp and anti pd total cross sections between 1.0 and 3.3 GeV/c, 21:29441
  Total cross sections of K mesons and antiprotons on nucleons up to 3.3 GeV/c, 21:27299 (BNL-11372)
  Total cross sections of K^{+-} mesons and antiprotons on nucleons up to 3.3 GeV/c, 24:37657
KYDD, R. A. Infrared spectrum of anthracene-d_{10}, 23:43299
KYDON, D. W. Two spin temperatures in a solid with crystallographically nonequivalent like spins, 21:42934
KYGER, E. Ross Prolongation of allograft survival by donor irradiation, 25:21604
KYHL, R. L. Excess noise in superconducting bolometers, 23:39420

KYI, Roland Ru-kwei Flow-reactor kinetics of ethylene hydrogenation over metal oxide catalysts, 22:2024 (CU-2791-6(App.))
KYIV, M. Angular distribution of recoil nucleus from partially polarized muon capture by the nucleus of nonzero spin, 23:19198
Parametrization of the spin density matrix, 23:18988
KYIVA, P. Calculation of the envelope of the trajectory of particles in the strong focusing accelerator with straight sections, 22:46650
KYKER, G. C. Jr. Argon-40(d,p) excitation functions over the ground-state isobaric analog energy region, 21:12010
High resolution inelastic proton scattering near A = 50, 23:13246
High-resolution study of isobaric analog resonances in ^{23}Na, 23:15367
KYKHTIN, V. V. Relativistic theory of SL(6,C) symmetry, 21:42425
KYLE, C. F. Self-energy considerations in general relativity and the exact fields of charge and mass distributions, 21:37641
KYLE, Charles Franklin Partial wave bootstrap calculation for elastic pion—pion scattering, 22:24646
KYLE, H. L. Peaking approximation in scattering theory, 23:12563
KYLE, H. Lee Electron-impact ionization of H(2s) and H(2p), 23:1184
Excitation and ionization of positive He ion by electron impact, 22:41292 (N-68-22388)
Ionizing H-atom—H-atom collisions, 24:37253
KYLE, James Clayton Improvements to extensometers, 21:34379
KYLE, M. L. Containment materials for pyrochemical processes, 23:38932
Kinetics of the titanium—nitrogen reaction with application to the design of gettering systems, 22:4065 (ANL-7167)
Prog. rpt. on development of high-energy batteries for electric vehicles, semiannual, 2—6/70, 25:16405 (ANL-7756)
Prog. rpt. on lithium/chalcogen secondary cells for components in electric vehicular-propulsion generating systems, semiannual, 5/23—11/22/70, 25:35275 (ANL-7777)
Prog. rpt. on lithium/selenium secondary cells for components in electric vehicular-propulsion generating systems, 5/23—11/22/69, 25:16404 (ANL-7663)
Prog. rpt. on lithium/selenium secondary cells for components in electric vehicular-propulsion generating systems, 11/23/69—5/22/70, 25:32637 (ANL-7745)
Titanium gettering system for purification of glove box atmospheres, 24:5867
Tungsten crucibles in pyrochemical processing of nuclear fuels, 21:19732
KYLE, Ralph W. Localization of ^{197}Hg chlormerodrin and sodium ^{131}I in the female reproductive tract, 23:4880
Spleen scanning with ^{51}Cr-tagged red cells, 24:12141
Zinc-69m chloride, a new liver scanning agent, 22:6860
KYLE, T. G. Absorption of radiation by uniformly spaced Doppler lines, 21:31229
KYLE, Thomas G. ν_4 band of $^{13}CH_4$, 24:48088
KYLES, J. Avalanche chain development in an argon—methane proportional counter, 24:29503
Beta—γ angular correlations using sources of Th active deposit, 23:21342
Decay ^{73}As $\rightarrow$ ^{73}Ge, 25:17792
Energy dependence of proportional counter pulse-height resolution, 25:8505
KYLSTRA, C. D. Experimental determination of the boiling point of uranium, 24:6200
Measurement of the emission coefficient of a uranium plasma, 24:6534
Mission oriented advanced nuclear system parameters study. III, 22:35569 (N-68-10429)
Plasma diagnostics of a uranium plasma, 25:59000
Radiation from a uranium plasma, 23:36675
KYNAST, G. Chelate forming exchange resins. VII, 23:13837
KYNEV, S. Use of photoresistors made from sintered cadmium sulphide as dosimeters for x-ray radiation, 23:4841 (SC-T-68-1549)
KYONG, S. H. Generalized formulation for fast reactor fuel cycle studies, 23:47312 (CNM-R-2(Vol.3), pp 1348-67)
Optimal control of distributed-parameter reactor, 22:39935
KYONG, Sang Hyon Optimal control of a distributed-parameter reactor, 22:5987
Optimal control of a distributed-parameter reactor, 22:22876
Optimal estimation of spatial power profile from detector readings, 22:32880
KYOTANI, Masahiro Studies on azulenes. I, 21:38968
KYOWA, Kogyo-sho Radiation shield, 21:5318
KYPTA, J. Device for directional control of moving radiation source, 22:228
KYRAL, V. Biochemical changes in serum of intact and irradiated dogs after intravenous AET administration, 25:26935
Influence of AET on the activity of some serum enzymes, 24:34086
KYRALA, A. Theoretical physics, 23:21028
KYRI, I. Organic solvent extraction of niobium from sulphuric solutions, 24:33772
KYRIAKOPOULOS, E. Boson mass spectrum and pion form factor from SO(5,2), 23:18948
Chiral-symmetry model, 24:37847
Dynamical groups and the Bethe—Salpeter equation, 23:3765
Group theoretical calculation of the Veneziano partial widths for π—π scattering, 24:49456 (DEMO-70/13)
Group-theoretical calculation of Veneziano partial widths for π—π scattering, 25:22794
Infinite multiplets with SU(3), 24:49561 (DEMO-70/14)
Infinite multiplets with SU(3), 25:28058
Nucleon axial vector form factor and SO(4,2) group, 24:49518
Nucleon axial vector form factor and SO(4,2) group, 25:5401 (DEMO-70/6)
Solutions of Bethe—Salpeter equation, 24:49431 (NP-18418)
Vecton-meson interaction Hamiltonian, 23:46731
Vector meson interaction Hamiltonian, 23:15110 (COO-264-472)
KYRIAZOPOULOS, B. D. Nuclear technique in tracing the cumuli clouds, 21:12537
KYRS, M. Coprecipitation of trace amounts of strontium with barium chromate, 22:50989
Distribution of some salts of univalent metal ions and 2,4-dinitro-N-picryl-l-naphthylamine between water and nitrobenzene phase, 23:49904
Extraction exchange reaction $Cs^+(aq) + H^+(org)$ reversible $Cs^+(org) + H^+(aq)$, 22:6415
Extraction of alkali-earth metals by organic solvents, 21:15974 (UJV-1573)
Extraction of Sr and Ca into nitrobenzene, 23:38038
Extractive radiometric titration as method of checking extraction of gold, 23:40576
Isolation of small amounts of zirconium from nitric acid solutions on activated carbon modified by phenyl arsonic acid, 21:155
Separation of alkali metals by extraction chromatography with dipicrylamine and nitrobenzene, 22:40031
State of radiotracer zirconium in the presence of phenylarsonic acid in nitric acid, 21:4538
KYRS, Miroslav Extraction of alkali metals with polar organic solvents, 24:9476
Extraction-radiometric determination of tetraphenylborate anions by method of concentration-dependent separation using ^{137}Cs, 22:12246
Method using a radioactive reagent in analytical chemistry, 23:17331
KYRZHAN, N. Correction matrix elements for the first forbidden β^- transition in ^{198}Au, 25:20438
KYRZHANOVSKII, O. I. High-voltage pulse source for the deflector plates in an ion cluster input system to the synchrotron chamber, 25:9931
KYSELA, J. Comparison of analyses of high-percentage heavy water samples by density measurements and by infrared spectroscopy, 25:15486
KYSER, D. F. Annealing study of EuO films doped with Fe Eu, 25:27898
KYSER, David F. Spatial distribution of excess carriers in electron-beam excited semiconductors, 21:27237
KYSHTOBAEVA, G. M. Composition and structure of samarium carbide, 23:51135
Equilibrium in reduction of Sm_2O_3 by C, 24:13836
Mass spectrometric investigation of thermal dissociation of Sa and Eu carbides, 25:4855
KYSILKA, J. O. Measurement of energy deposition in laser-produced plasmas, 23:46487 (UCRL-50708)
KYTE, W. S. Calculation of graphite corrosion rate, 25:32767 (AERE-M-2403)
KYUN, V. V. Measurement of the distribution of atoms and electrons across the capillary cross section in high-current discharges, 24:40069
KYUNO, Eishin Thermal properties of deuterated Cu(II) sulfate pentahydrate, 25:10565
KYUREGYAN, T. N. Uranium migration in carbon dioxide water systems, 23:49936
KYURKCHIEVA, D. Spectral investigation of the plasma jet, 23:32372
KYUTOV, D. D. Studies of plasma turbulence by means of charged particle beam, 25:43339 (IYAF-7-70)
KYZ'YUBOV, V. S. Passage of neutrons through shielding, 24:32890
KYZYUROV, V. S. Biological protection of portable reactor installations, 24:18754
Determination of fast neutron flux, 25:2443
Radiation penetration in cylindrical channels in shielding, 23:46540
Streaming of neutrons through cylindrical and flat neutron guides, 22:27503
Transmission of fast neutrons and gamma rays through rectangular slots, 24:51771

L

LA, M. K. Mass-screening technique for obtaining bacterial blight resistant mutants in soybeans, 22:36246
LAABS, Francis C. Analysis of rare earth materials by cathodoluminescence, 23:7464
LAAKSO, I. Design of the optics of a spark chamber experiment. note no. 268, 24:50585 (NP-18480)
Simple template for V^0 decays, 21:19953
LAAKSO, Ilkka Four-pion final state in anti pn annihilation at rest, 23:10748
LAAKSO, L. Renography in the evaluation of the renal function of patients with toxemia of pregnancy, 22:15026
Triiodothyronine uptake test in gynecologic radiation therapy, 23:41494
LAAKSO, Leo Isotope renography on parturients, 22:47562
Measurements of ureteral radiation doses, 23:20228
LAANER, G. S. Processing in limited geometry. XVI, 25:8445 (AERE-R-5104)
LAASANEN, A. Partial wave analysis of K^+p elastic scattering, 25:25418 (ORO-2504-151)
Partial wave analysis of K^+p elastic scattering, 25:25439
LAASANEN, A. T. Polarization parameter K^+p elastic scattering GeV/c, 25:27963
LAASPERE, T. Lower hybrid resonance phenomena, 23:10499
Observations of auroral hiss, 25:43246
LAASPERE, Thomas An experiment to study electric and electromagnetic fields in the frequency range 10 Hz to 540 KHz on OGO-F, 23:46414
LAATSCH, J. Current status of the Munich HPD system, 21:41262
LABACHEV, Yu. S. Hydrogen isotope spectral analysis of some hydrides, 25:31800
LABADIE, Jon Henry Increased activity of skin surface DNase I after β-irradiation injury or clipping of guinea pig hair, 24:41775
LABAHN, R. W. Annihilation of positrons in He, Ne, and Ar, 24:32636
Anomalies in scattering of electrons from He, 25:4961
Calculations on autoionization of the ^4P/sub 5/2/^{o} state of He^-, 24:32618
Cross sections for elastic scattering of 1- to 95-eV electrons from He, 24:37249
Distortion effects in elastic scattering of 100- to 400-eV electrons from helium, 23:16668
Extended polarization potential: applications to atomic scattering, 22:21879
Final-state distortion effects in autoionization of the ^4P/sub $^5/_2$/ state of He^-, 23:14630
Modified close-coupling approach to multichannel positron—hydrogen scattering, 25:40388
Orthogonality in the adiabatic-exchange electron—atom scattering approximation, 22:17369
Polarized-orbital method and application to scattering of electrons by He, 25:55871
Scattering of slow electrons by neon and argon, 25:52674
LABAKHUA, S. I. Calculation of average resonance charge exchange and electron ionization cross sections of an accelerated atomic beam, 21:18439
LABAN, H. Combination of a sea-water flash-distillation plant with a nuclear plant, 23:49614
LABANA, S. S. Electron-beam polymerization of divinyl urethane, 23:11582
High-intensity electron-beam copolymerization of a divinyl urethane and 2-hydroxyethyl methacrylate, 24:11639
LABAR, D. A. Nanosecond time-of-flight studies of electrons, 21:26281
LABAT RAPSODIE, first stage of the development of the fast-breeder series, 21:14095
LABAT, Christiane Evaluation of an individual neutron irradiation by a study of its biological effects, 24:21155 (CEA-R-3884)
Various dosimetric data available after gamma—neutron irradiation, 21:43291
LABAT, J. Calculations of plasma parameters behind the shock front in helium, 23:42301
Laser interferometric measurements of electron density in shock-wave plasma, 24:45226
Stark broadening of neutral He line 5876 A in plasma, 24:35411
Stark-broadening parameters of some singly ionized argon lines, 24:30149
LABAT, J. M. Influence of trapped magnetic field on plasma parameters in a theta pinch, 21:31433
LABAT, M. Neutron cross-sections of ^{233}U, ^{238}U, and ^{239}Pu between 0.1 and 6 MeV, 25:15103
Site work for the PHENIX plant, 25:46281
LABAT, P. Civil engineering and preliminary work, 23:45043
Phenix reactor, 25:60025
Rapsodie development program: from design to operation, 22:16193
LABATON, V. Y. Desorption studies on nuclear graphite, 24:36946 (TRG-Report-2010)
Effect of radiolytic oxidation on the physical properties of graphite, 24:25766
Effect of variation in pore size on the rate of radiolytic corrosion of graphite by carbon dioxide, 23:19793
LABATON, Vivian Yomtob Improvements in graphite moderators, 24:11173
LABAU, V. Application of pulsed electric field for discriminating ionized particles recorded in nuclear emulsion, 23:45541
Use of a pulsed electric field for the discrimination of ionizing particles recorded in a nuclear emulsion, 23:29219 (IFA-PN-21)
LABAUVE, R. J. Analysis of a radially loaded thermal reactor, 24:11174
Calculated and experimental flux and power distributions in UHTREX, 22:25094 (LA-DC-9511)
Calculated and experimental flux and power distributions in UHTREX, 22:33077
Calculations of Jezebel and Godiva with recent ENDF/B microscopic data, 25:15397
Comparison of multigroup cross section sets used in reactor calculations, 21:1208 (LA-DC-7962)
Criticality and central reactivity calculations using ENDF/B data, 22:22821 (LA-DC-9216)
Evaluated nuclear data for hydrogen in the ENDF/B-II format, 25:36660 (LA-4574)
Geometric problems and calculational methods associated with a radially loaded reactor, 22:24969 (LA-DC-9426)
Heterogeneity effects in a radially loaded reactor, 23:15709 (LA-4024)
Isotopes ^{6}Li and ^{7}Li in ENDF/B Format, 21:33884 (LA-3695)
Storage and retrieval of photon production and interaction data in ENDF/B system, 22:26441 (LA-DC-9215)
LABAYLE, J. Radioinduced cancer, 24:41997
LABBE, C. Behavior under neutron irradiation of some forms of vitreous silica, 21:22936 (NP-16609)
Influence of neutron irradiation on the mechanical characteristics of refractory oxides, 22:28962
LABBE, J. Low-temperature specific heat of crystalline specimens of V_3Si, 24:6473
Model to explain large changes in the electronic density of states with atomic ordering in V_3Au, 24:40002
Paramagnetic susceptibility in the V_3Si type of compounds in the normal state, 21:33537
Proposed system for on-line information processing including several hierarchical postings, 23:20039 (CEA-CONF-1180)

- Relation between superconductivity and lattice instability in β—W compounds, 22:44034
- Simultaneous data acquisition and processing system using a C.A.E. 510 computer, 22:18050
- Strong-coupling superconductivity in V_3X type of compounds, 22:1105
- System for measurement and recording time intervals with resolving power of 10 ns, 23:16079 (CEA-CONF-1181)
- Vanadium-51 Knight shift in the V_3Si type of compounds in the normal state, 21:33538
- LABBENS, R. Design and development of large pressure units for nuclear and chemical engineering, 25:44482 (CONF-701211-2)
- LABE, P. Vitrification of the solid fluoride residue arising from the reaction of fluorine on irradiated fuel, 23:17726 (CEA-CONF-1196)
- LABELLA, Frank S. Classic bioassay statistical procedures applied to radioimmunoassay of bovine thyrotropin, growth hormone and prolactin, 25:55143
- LABELLE, D. W. Post-accident hydrogen generation and control, 25:26007
- LABENSKI, F. Strange-particle production at 2.75 GeV/c. I, 21:27311
- LABERRIGUE, Andre Magnetic lenses with superconducting windings in electron microscopy, 22:36137
  - Optical characteristics of superconducting magnetic lenses with very high field, 22:5284
  - Ultra-fine adjustment for objective with superconducting winding, 22:30753
- LABERRIGUE, Jeanne Analysis of bubble chamber photos, 23:29228
- LABERRIGUE-FROLOW, J. Quasi two body reactions in π^+d interactions at 5.1 GeV/c, 22:39275 (CERN-68-7(Vol.2), pp 135-49)
- LABES, M. M. 2,6-lutidine N-oxide adducts with some heavy metal tetrachlorides, 24:46224
  - Complexes of diisopropyl methylphosphonate with metal salts containing complexing anionic groups, 24:16507
  - Free radicals in irradiated imidazoles, 25:176
  - New complexes of triphenylphosphine oxide with metal perchlorates, 24:41258
  - Photoelectric characterization of x-ray damage in anthracene crystals, 22:121
- LABES, W. G. Prediction of fire damage to installations and built-up areas from nuclear weapons, 22:33579 (AD-661851)
- LABES, Willis G. Prog. rpt. on standard fire test rating systems for shelter components, final, 9/30/63—2/20/66, 21:39154 (AD-650323)
- LABET, Jacques Stereoscopic telescope for the remote viewing, 23:33305
- LABEYE, J. F. Precision measurement of weak magnetic fields, 23:17015 (CERN-67-32)
- LABEYRIE, J. A high-sensitivity spectrometer for measuring low-energy x-rays, 22:6621
  - Evaluation of global fallout of ^{55}Fe as a results of nuclear tests in the atmosphere during 1961 and 1962, 22:48953
  - Observations of solar x rays, 21:36969 (ESRO-SP-6, Paper 13)
  - Study of marine transgressions on a Pacific atoll by means of ^{14}C and $^{234}U/^{230}Th$ ratio, 22:6465
  - Study of temperatures prevailing in ancient times by measurement of ^{18}O, ^{13}C, and ^{14}C content of concretions in caves, 22:6455
- LABEYRIE, Jacques Correction for "atmospheric" argon in dating rocks by K—Ar method, 21:6019
  - Determination of oceanic sedimentation rate by a nondestructive gamma spectrometric method, 22:23182
- LABHART, A. Radiodiagnosis and therapy of toxic adenoma, 22:2523
- LABHART, T. P. Abundance and distribution of U and Th in syenite of Piz Giuv (Aar-Massif, Switzerland), 25:48607
- LABIANCA, F. M. Radiation and scattering problems in compressible plasmas. II, 21:13590
  - Radiation and scattering problems in compressible plasmas. I, 21:13589
- LABIANCA, Frank Michael Radiation and scattering problems in compressible plasmas, 22:13505
- LABIE, E. Elastic and inelastic scattering of α particles on ^{20}Ne and ^{22}Ne, 25:36697
  - Elastic scattering of 23 MeV alpha particles on ^{40}Ca, 23:49370
  - Elastic scattering of 23-MeV alpha particles by ^{40}Ca, 25:20310
- LABINSKII, Yu. V. Marine nuclear reactors, 22:14235
- LABITZKE, Reiner Treatment of bronchial carcinomas, 22:45637
- LABLANCHETAIS, C. H. Twinning and dislocations in B-type Gd_2O_3, 24:42774
- LA BLANCHETAIS, C. Henry Electron-diffraction studies on thin films of Sm_2O_3, 25:765 (CONF-700403-(Vol.1), pp 140-51)
- LA BLANCHETAIS, Ch. H. Thin films of praseodymium sesquioxide, 25:35575
- LA BLANCHETAIS, Ch. Henry Phase transformation in ytterbium metal thin films, 25:52375 (CONF-711001-(Vol.1), pp 379-85)
  - Phase transformations in rare earth oxide thin films, 25:52456 (CONF-711001-(Vol.2), pp 777-85)
  - Study of thin films of samarium by x rays and electron microscopy, 25:2734
  - Study of thin films of Yb, 24:26327
- LABLANS, W. N. Admixtures of the atmosphere, 22:10377
  - Meteorological aspects of "delayed fallout". II, 22:48950
  - Meteorological aspects of "delayed fallout". I, 22:48951
  - Some remarks on simultaneous measurements of particulate contaminants including radioactivity and isotopic composition of precipitation, 21:10471
- LABNO, L. Cladding temperature measurements of EK-10 type reactor fuel rods in EWA-2 core, 22:35598 (INR-879/XI/R)
  - Fuel temperature transients in EWA-2 and EWA-4 cores, 24:4090 (INR-1090)
  - Temperature measurements of EK-10 type reactor fuel rods in EWA-4 core, 24:43816 (INR-1170)
- LABNO, Leszek Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
  - Temperature measurements of cladding of WWR-SM type fuel elements in EWA-10 reactor core, 25:15395
- LABONNE, C. Development of gadolinium capsules for detectors and dosimeters, 21:19899 (NP-16604)
- LABONTE, G. Reconstruction theorem with external sources, 25:38778
- LABORDE, Jose R. Statistical study of variables in Magellanic Clouds. IV, 23:14557
- LABORIE, G. Grenoble cyclotron progress report, 25:31097
- LABORIE, P. Electronic cross sections and macroscopic coefficients. I, 23:41965
- LABOUT, Johannes Jacobus Maria Effect of γ-radiation in collagen solutions, 24:20790 (NP-18170)
- LABOWITZ, Allan M. Nuclear non-proliferation and disarmament, 24:432
- LABRANCHE, D. A. Replicas for porosity determination in as-sintered uranium dioxide, 24:8200 (CONF-670533-, pp 152-61)
- LABRECQUE, Rodney J. Collinear collisions of atom and Morse oscillator, 25:58727
- LABRELY, J. Analytical chain, 23:17818 (CEA-CONF-1157)
  - Pulse analyzer system with high resolution at high counting rates, 23:47904
- LABROSSE, G. anti pp annihilations at rest into four pions, 24:49450
  - Experimental results on anti pp $\longrightarrow$ eta$\pi^+\pi^-$ and anti pp $\longrightarrow X^0\ \pi^+\ \pi^-$ for annihilations at rest, 23:8730
  - Omegaπ and $\pi\pi$ systems in anti pp annihilations at rest, 24:5245
  - Production of three pions in anti pp annihilations at rest, 22:39382
- LABROUSSE, M. Alpha, beta, gamma transport packagings, 23:584 (CONF-681001-, pp 569-83)
  - Analysis of packaging compliance to transport regulations, 25:48842 (CONF-710801-(Vol.2), pp 592-602)
  - Carrying out mechanical and thermal tests, 25:51814
  - Dosimetric intercomparison measurements in core of reactor ISIS at Saclay, 23:52416
  - Economic incidences of transport in fuel cycle, 23:40975
  - Experimental modifications of the karyotype in a urodele amphibian (Pleurodeles waltlii micah.) by irradiation of the egg and nuclear grafting, 21:6658
  - French studies on the transport of irradiated fuels for power reactors, 25:51752 (A/CONF.49/P-611)
  - Heat problems posed in the packing of highly radioactive materials, 23:45492 (ORNL-tr-2189)
  - Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
  - Packaging for transport of radioactive materials, 22:293
  - Packing containers for radioactive materials, 21:30676
  - Research and construction of packaging, 22:264
  - Statistical and economic data of radioactive materials transportation, 21:32355
  - Technical aspects and economic incidents of transportation in the fuel cycle, 23:15638 (CEA-CONF-1093)
  - Transport of radioactive materials, 22:287
- LABROUSSE, M. M. Transport of irradiated fuel elements in France, 21:392
- LABROUSSE, Michel Breeder reactors after Foratom congress, 22:53287
  - Tests of type B radioactive material packing, 22:51200 (CEA-R-3372)
- LABROUSSE, Monique Detection of mitotic chromosomes and lampbrush chromosomes induced by irradiation of eggs of amphibian Urodele pleurodeles waltlii michah, 21:20357
- LABRUM, N. R. Heliograph (80 MHz) observations of two type IV events, 23:34209
  - Movement and structure in a complex solar outburst at 80 MHz, 24:3123
  - Observations of harmonic structure in Type-III solar radio bursts, 25:35737
  - Solar U-burst at metre wavelengths, 24:51355
- LABS, D. Synchrotron radiation of the 6-GeV DESY machine as a fundamental radiometric standard, 21:29701
- LABS, Dietrich Radiation of the solar photosphere from 2000 A to 100 μ, 22:52353
  - The solar constant, 25:55742
  - Transformation of the absolute solar radiation data into the international practical temperature scale of 1968, 25:11609
- LABUHN, F. Absorption oscillator strengths of O I lines in vacuum-uv range, 22:5067
- LABUS, H. Anisotropy and yield of prompt γ-rays in ^{235}U thermal fission, 24:30794
  - Primary spins of ^{235}U fission fragments, 25:39044
- LABUS, Herwig Measurement of mass dependence of anisotropy and yield of prompt gamma radiation in thermal fission of ^{235}U, 24:49859 (JUL-643-FN)
- LABUS, J. Investigations of solidification front and the depth of the liquid phase in concast billets by the technique of radioactive traces, 25:34820
- LABUSCA, E. Crystal-nucleation in sintered solid bodies, 24:10089
  - Texture of nuclear graphite, 25:40100
- LABUSCA, Elena Crystal-nucleation in sintered solid bodies, 24:34908
- LABUSCA, Elena N. Possibilities of activating sintering by special thermal treatment, 25:55414
- LABUSCH, R. Elastic constants of the flux line lattice in type-II superconductors, 21:15076
  - Elasticity effects in type-II superconductors, 22:31745
  - Flux creep in type-II superconductors, 24:26126
- LABUSCH, Reiner Critical field gradient in type-II superconductors, 24:30292
- LABUSHEVA, M. A. Blood cholinesterase activity in radiation treatment of lymphogranulomatosis, 23:31660
- LABUSHKIN, V. G. Behavior of Ra daughter products in air, 22:51105
  - Correlation of γ quanta in the x-ray band, 23:23689
  - Determination of parameters of α spectrometers by ^{224}Ra and RdTh sources, 21:6281
  - Improvement of the resolving power of scintillation alpha spectrometers, 23:11840
  - Use of CsI(Na) crystals in nuclear γ resonance spectrometers, 23:11842
  - Wall influence on free RaA and RaB atom distribution in a closed volume of air, 22:51106
- LABUZA, Theodore P. Radiation-induced off-flavor development in whole-egg magma, 21:34845
- LABY, Jean E. Stratospheric winds over Australia, 25:2017 (NYO-3747-3)
  - Stratospheric winds over Australia, 25:2018 (NYO-3747-5)
  - Stratospheric winds over Australia, 25:2021 (NYO-3747-10(Pt.2))
  - Stratospheric winds over Australia, 25:2019 (NYO-3747-6)
  - Stratospheric winds over Australia, 25:2020 (NYO-3747-10(Pt.1))
- LABY, T. H. Tables of physical and chemical constants, 21:11460
- LABZINA, N. G. Effects of certain chemical compounds on the chromosomes of cancer cells, 24:658
- LABZOVSKII, L. N. Effect of three-particle forces on the hyperfine structure of the helium atom, 22:41318
  - Electron correlation in relativistic theory of atoms, 24:45055
  - Ground state energy of two-electron atoms with arbitrary nuclear charges Z less than or equal to 137, 25:58818
  - Lamb level shift of inner electrons in heavy atoms, 25:14048
  - One-dimensional system of identical particles with Coulomb interaction, 21:21162
  - Relativistic corrections to levels of multi-electron atoms in SCF approximation, 24:51456
  - Relativistic corrections to many-electron atomic levels, 22:11219
  - Relativistic theory of a heavy atom, 24:12656
- LABZOWSKII, L. N. Collective excitations of the many-electron atom, 23:22927
  - Variational principle for Lamb shift of levels of a many-electron atom, 23:30309
- LACAMBRA, J. M. Study of ^{27}Mg by means of the $^{26}Mg(d,p\gamma)^{27}Mg$ reaction, 21:5509
- LACAMBRA, Jose Mari Study of ^{27}Mg with (d,p-γ) angular correlation measurements, 21:19235
- LA CAMERA, M. Azimuthal distribution for analysis of cosmic-ray jets, 23:32673
  - Comparison with experimental evidence of Amati—Stanghellini—Fubini multiperipheral model, 24:47432
  - Composite bosons in nonlocal quantum field theory, 24:52191
  - Composite bosons in nonlocal quantum field theory with Z_3 approximately 1. II, 25:5411
  - Cosmological constant in closed-universe models containing matter and radiation, 24:23724
  - Fireball with transverse momentum in the ICEF 440 jet, 24:42871
  - Influence of the transverse momentum of the fireballs on the angular distribution of produced particles in high-energy collisions, 23:10827
  - p-n and π^+-π^0 electromagnetic mass differences in nonlocal field theory, 24:35635
  - Production of proton-rich heavy shielded elements in the stars, 24:12538
  - Self-consistent condition for Veneziano amplitudes, 24:26518
  - Transverse momentum of particles in jets and determination of fireball parameters in accelerators, 23:34580
- LA CAMERA, Mario Role of neutrino density in a closed expanding Universe, 23:48696
- LACAPELLE, T. Calculation of fast reactor control rod in multigroup diffusion theory improved by method of type Amouyal, Benoist, and Horowitz, 22:35469 (PNR/SETR-R.-022)
  - Heterogeneity in Masurca 1-A assembly, 22:35649
  - Lessons drawn from integral experiments on a set of multigroup cross sections, 24:22507
  - Some neutronic problems related to Phenix, 24:22391
- LACASSAGNE, A. Cancerogenic effects of ionizing radiations, 21:45830
- LACASSAGNE, A. M. B. Liver, 25:29694
- LACAZE, A. Cryogenic devices for applications of superconductivity, 25:9397
  - Pool boiling heat transfer in liquid neon, 21:719
  - Thermal neutron spectra from cold sources of liquid H and deuterium, 23:9199 (NP-tr-1712)
- LACAZE, Albert Flooding phenomenon in a cryogenic heat pipe with vertical countercurrent two-phase flow, 24:44160 (CEA-CONF-1496)
- LACAZE, J. Relations between the variations of natural radioactivity of the air and of atmospheric conditions above the Atlantic Ocean, 21:28106
- LACAZE, R. Parity-violating nucleon—nucleon potential, 22:24680
- LACAZE, Robert Degeneracy and recurrence of Regge trajectories in Veneziano's model, 23:32708
  - Model for low-energy kaon—nucleon scattering, 22:13769
  - Model for low-energy kaon—nucleon scattering, 22:22409

LACAZE, Rose-Marie X-ray spectroscopic measurement of the temperature of atomic and ionic transfer in a plasma, 25:3073
LACEFIELD, K. Microhardness of irradiated beryllium oxide, 21:28865
LACEK, H. Excitation functions for ^{44}Ca(d,p)^{45}Ca(0), 23:28291
  Optical model analysis of ^{28}Si(d,d) angular distributions, 24:18388
  Reaction ^{28}Si(d,p)^{29}Si mechanism, 25:3606
LACERANZA, Angela Maria Fragment yields for the fission of ^{209}Bi induced by a 1000-MeV bremsstrahlung, 25:59816
LACERDA, L. Incidence of hypothyroidism in patients treated with radioiodine-131, 22:51997
LACERENZA, A. M. Production of ^{24}Na and ^{22}Na from ^{27}Al by high-energy photons, 25:38960
  Yield measurements of (γ,n) and (γ,2n) processes in gold, 25:17357
LACETERA, Janet E. Calculations with UNC-SAM-2 of exposure rates measured in an open basement, 23:21918 (AD-675410)
LACETERA, Joseph FORTRAN source—energy integration program for NGM code output, 23:5442 (AD-671688)
  Source-energy integration program designed to operate on NGM code output, 21:17258 (AD-645929)
LACEY, J. D. Spectral flux densities of radio sources at 22.25 MHz. I, 23:51227
LACEY, L. Corona during March 7th 1970 eclipse, 24:37126
LACEY, P. G. Calculation of local spectrum and fuel composition characteristics, 21:23624 (WCAP-6066)
  Diffusion-theory depletion analysis of Yankee core, 21:34116 (WCAP-6077)
  Evaluation of fuel depletion and Pu buildup in Yankee, 22:22771
LACEY, P. M. C. Burn-out and film flow in the evaporation of water in tubes, 21:41139
  Flow visualization studies of boiling at high pressure, 21:41143
  Progress in the study of convective boiling, 21:41131
LACH, B. Reverse epitaxial silicon diode for hybrid photomultiplier tube, 22:40500
LACH, H. Changes in the diurnal rhythm of neurosecretory activity in the mouse following x-ray irradiation, 25:49288
LACH, Henryk Influence of certain uv wavelengths on the hypophysis of white mice, 22:6732
LACH, J. Diffraction-produced K*π and Δπ systems in 12.6-GeV/c K$^-$p interactions, 23:21058
  Energy dependence of form factor in K/sub e3/° decay, 21:15257
  High spatial resolution proportional chambers, 25:430
  Hyperon and anithyperon production in anti p-p collisions at 7 GeV/c, 21:9702
  Hyperon beams at a 200-GeV accelerator, 24:3792 (BNL-14076)
  Kaonic annihilations of antiprotons in H at 7 GeV/c, 21:37695
  Radiofrequency separated beam at the AGS, 21:31672
  Strong interaction physics in the NAL bubble chamber, 25:34940 (CONF-700623-(Vol.1), pp 42-55)
  Twenty-five foot bubble chamber film format and film analysis costs, 24:50611 (TID-25473(Vol.2), pp 255-69)
LACHAINE, A. Doppler-shift lifetimes in ^{30}P, 25:14933
LACHANCE, G. R. Heterogeneity in phlogopite, feldspar, euxenite, and associated minerals, 23:13631
LA CHANCE, Leo E. Effect of selection on Whaxy, 21:6476
  Effects of chemosterilants on spermatogenic stages in the house fly. II, 24:23419
  Mutants and linkage groups of the screw-worm fly, 21:14625
  Mutations in the screw-worm fly, 21:8752
LACHANCE, Leo. E. Chromosomal fragments transmitted through three generations in Oncopeltus (Hemiptera), 24:7810
LACHANCE, Paul-Andre Use of intraarticular ^{198}Au in treatment of persistent effusions of the knee, 21:16391
LACHANCE, R. L. Computer programming for hoop filament winding, 21:35812 (SC-DR-67-499)
LACHANCE, Robert L. Table of gear ratios, 36.0000 to 5.1449, 22:21006 (SC-M-68-63)
LACHAPELLE, D. G. Field-expedient incinerator, 22:21229 (AD-664118)
LACHAPELLE, David G. Engineering evaluation of a radioactive waste incinerator, 21:30656 (CONF-660904-Vol.1 and 2, pp 509-69)
  Field expedient radioactive waste incinerator, 23:38229
  Radioactive liquid waste concentration in a disposable container, 23:21920 (AD-675426)
  Radiological decontamination and waste disposal research, 21:43438
LACHAPELLE, Y. Instrumentation for rapid mechanical transients in model scale experiments, 23:26605 (EUR-4101, pp 153-92)
LACHENMANN, R. Strain aging in deformed Ta, 23:33955
LACHER, M. J. Hodgkin's disease during pregnancy, 21:26595
LACHERE, Georges M atomic rays of uranium, 23:8469
LACHET, B. Attempt to interpret the fluctuations of radioelement concentration in black poplar, 22:19304
  Distribution of a mixture of fission products in a small model simulating ecological conditions of a stream, 22:19303
  Distribution of a mixture of fission products in a model simulating a river type of ecological environment, 23:29418 (AEC-tr-7039)
  Variation of concentration rates of radioelements in black poplar, 23:29419 (AEC-tr-7040)
LACHETEAU, H. Packaging for transport of radioactive materials, 22:290
LACHETEAU, Herve Improvements in shielding flasks, 25:6526
  Protective shell for the transport of lead casks, 25:13196
LACHINOV, V. M. Control of the autodyne frequency in a self-locking NMR magnetometer, 22:2452 (JINR-P9-3527)
  NMR magnetic field discriminator and automatization of magnetometer operation, 21:6332 (JINR-P9-3014)
LACHIVER, F. Iodination of proteins of human thyroid, 23:38434
LACHKAR, J. Reactions ^{11}B(n,n'γ), 25:17749
  Research and development of a multimode γ spectrometer, 23:14022 (CEA-CONF-1200)
  Spectrometry of photons emitted by reactions induced by fast neutrons, 24:47579
  Time resolution in Ge(Li) coaxial detectors, 23:16078 (CEA-CONF-1179)
LACHKAR, Jean Beta disintegration and nuclear structure, 23:25849 (CEA-R-3659)
  Description of a multimode gamma spectrometer, 23:22055 (CEA-R-3747)
  Evidence of the effect of extra-nuclear fields on the anisotropy in the case of ^{170}Tm chloride, 21:29983
LACHMANN, D. Ventricular scintigraphy for diagnosis of cerebral tumors in early childhood, 25:55290
LACHMANN, Ute Postoperative radiotherapy of mammary carcinoma without irradiation of the thorax wall, 25:13533
LACHOVIEZ, St. Industrial creation of decontamination work-shops, 23:20245
LACHOWICZ, Tadeusz Michal Mutants in Saccharomyces cerevisiae. II, 23:24600
LACHOWICZ, Zofia Characteristics of bacteriocins produced by Klebsiella bacilli, 21:43541
LACIN, E. Undesirable secondary radiation in irradiation space of a Siemens 42-MeV betatron, 23:50482 (SLAC-Trans-100)
LACIN, Erol Undesirable secondary radiation in treatment room of 42 MeV betatron, 23:2835
LACINA, J. Application of similarity rules to controlled fusion, 25:14354
  Energy criterion for stability of equilibrium plasma, 23:51686
  Energy criterion for stability of equilibrium plasma, 24:40104
  Equilibrium configurations of plasma and self-consistent field with axial symmetry. II, 22:3043 (IPPCZ-64)
  Equilibrium of finite Larmor radius plasma with anisotropic pressure, 22:29495
  High-temperature plasma in magnetic mirror systems, 21:31470
  New perturbation method for the integrals of motion of time-dependent systems, 24:24203
  Particle distribution function in plasma and the self-consistent magnetic field, 21:13595
  Self-consistent magnetic field and integrals of plasma motion, 21:13594
  Similarity rules in plasma physics, 25:14318
  Similarity rules in plasma physics, 25:33270
  Stability of plasma against interchanges in general magnetic field, 24:10570
LACIS, Andrew Andrejs White-dwarf envelope structure and its effect on the thermal cooling rate, 25:27332
LACKEY, M. E. Design and technological assessment of 1500-kw(e) pressurized-water reactor, 23:43085 (ORNL-TM-2604)
  Performance characteristics of a short reentry tube steam generator at low steam output, 25:41962 (ORNL-TM-3236)
  Performance of experimental jet pumps under noncavitating and cavitating conditions, 22:24972 (ORNL-3745)
  Thermal effects of various air-conditioning methods used in conjunction with an electric power production and district heating facility, 25:23105 (ORNL-HUD-13)
  Use of steam-electric power plants to provide thermal energy to urban areas, 25:10094 (ORNL-HUD-14)
LACKEY, W. J. Actinide redistribution in irradiated (U,Pu)O_2, 25:40113
  Comparison of FMODEL, 25:32848
  Comparisons between predicted and measured fuel pin performance, 25:37019 (ORNL-TM-3386)
  In-reactor restructuring temperatures and kinetics for (U,Pu)O_2, 25:32850
  In-reactor restructuring temperatures and kinetics for (U,Pu)O_2, 25:44124 (ORNL-TM-3387)
  Statistical technique for determining sources of variation in (U,Pu)O_2 oxygen-to-metal ratio, 25:35568 (ORNL-TM-3362)
LACKI, E. Semiconductor system for analog processing of signals obtained from radiometric control set of the calcium content in the cement-feeding, 25:29389 (ITJ-2/E)
LACKI, Eugeniusz Semiconductor system for analog processing of radiometric signals for determination of Ca, 25:42175
LACKME, Claude Temperatures within a rectangular channel of a nuclear reactor, 22:14265
LACKNER, D. Russo Solar flares of 8/28—30/66, 23:25113
LACKNER, Dora R. Solar flares of August 28 and 30, 1966, 22:52310 (AD-672330)
LACKNER, Henry A. Unique ion gun to be used in the study of ion detectors, 23:3255 (N-68-27911)
LACKNER, K. Compressible turbulent magnetohydrodynamic boundary layers, 23:12618
  Deformation of a magnetic dipole field by trapped particles, 24:32739
  Literature survey on plasma instabilities, 21:23222 (AD-642936)
  Magnetohydrodynamic propulsion, 21:660 (AD-634253)
  Performance studies of plasma accelerators, 23:20949
  Prog. rpt. on gasdynamics in MHD flow, final, 1/31/63-12/31/65, 21:656 (AD-628917)
  Relaxation effects in J x B devices, 22:26272
LACKNER, Karl Theoretical analysis of a coaxial Hall accelerator, 23:18480
LACKS, Sanford Mutants of Diplococcus pneumoniae, 24:21330
  Tampering with heredity, 22:39951 (BNL-50101)
LACKSHMINARAYANA, V. Bromine-79 and excited-core model, 25:38956
LACLARE, J. L Injection in a ring with non linear elements and energy selective resonant extraction from a ring, 25:50321
LACLARE, J. L. Concept and general design of an electron pulse stretcher, 25:50320
LACMANN, K. Chemical reaction kinematics. IX, 23:18431
  Chemical reaction kinematics. VIII, 23:18430
  Excitation and ionization of K atoms by diatomic molecules: role of ion-pair states, 24:42536
LACOMBE, Bernard Relation between dawn chorus emission and precipitation of electrons, 24:17776
LACOMBE, C. Characteristic features of type IV bursts. III, 23:39208
  Noise bands in ionosphere, 22:34370
LACOMBE, J.-P. Determination by chemical analysis of traces of ^{7}Be, ^{32}P, ^{90}Sr, ^{210}Pb, and ^{210}Po present in the air and in rain, 22:35750
LACOMBE, Jean-Pierre Variations, at Toulouse, of concentrations of ^{210}Pb, ^{210}Po, and ^{7}Be in the air and precipitations, 22:183
LACOMBE, M. Derivation of Veneziano-type representation for two-body processes including baryons, 24:52102
  Forward NN and Nanti N charge-exchange scattering at high energy, 22:20277
  Forward NN and NantiN charge exchange scattering at high energy, 22:13744 (IPNO/TH-108)
  Nucleon—nucleon interaction and exchange of πeta system, 21:21252
LACOMBE, P. Activation energies of creep of uranium monocrystals and polycrystals, 21:26844
  Aging of ternary Fe—Ni—Mo and quaternary Fe—Ni—Co—Mo alloys, 25:58232
  Anion and cation diffusion in some transition metal oxides, 25:8934
  Behavior of α U under light stresses during recrystallization process or during the allotropic α/β transformation, 25:11451
  Contamination of Nb by O during electrolytic polishing and annealing under vacuum, 25:19171
  Corrosion and protection of zirconium and its alloys, 23:18186 (WAPD-Trans-111)
  Deformation and rupture of Nb between -196°C and 20°C, 25:19217
  Diffusion under electric field of O at temperatures from 900 to 1000 deg C in UO_2, 21:6874
  Discussion of reply of Messrs. Roy and David to note of Messrs. P. Lacombe, G. Beranger, P. Boisot, and R. Penelle, 25:24647
  Does oxidation of Zr obey Wagner's theory, 25:58254
  Electron microscope observations of thin films of zirconium oxide, obtained by oxidation of zirconium, 23:16540 (WAPD-Trans-109)
  Film breakaway in Zr oxidation, 22:12976
  Formation of intermediate layer during oxidation of Zr—Cu alloys at 750 deg C, 21:11178
  Germination and growth phenomena during the surface oxidation of zirconium, 21:18222
  High-temperature oxidation of zirconium, 23:12280
  High-temperature oxidation of zirconium and binary zirconium alloys with small concentrations of addition elements, 23:43945 (WAPD-Trans-120)
  Influence of orientation of zirconium monocrystals on the growth structures of monoclinic zirconia, 25:55540
  Isotope effect measurement by diffusion of ^{55}Fe and ^{59}Fe in ferrous oxide, 25:20980
  Metallographic study of break-away during oxidation of Zr, 22:41000 (WAPD-Trans-0092)
  Micrographic structure and the oxidation behavior of black zirconia, 21:32998
  Modifications of the structure of pure or alloyed zirconium oxide by a direct electric current at high temperature, 21:9225
  Nuclear methods for determination of impurities on surface of metals, 23:12307
  Oxidation kinetics of zirconium, 23:50990
  Plastic consolidation of polycrystalline uranium during tensile tests carried out in α phase at different rates, 21:45964
  Quantitative analysis of textures developed in a hot-extruded zirconium plate, 21:18250
  Relation between the kinetics of aging after deformation of α-zirconium and the anisotropic diffusion of oxygen for a short distance, 25:55551
  Relationship between activation energies and deformation mechanisms in uranium creep, 23:38962
  Slip and twinning in α-uranium, 25:35382
  Structural evolution in the course of quenching or tempering zirconium—copper alloys with a content of less than 5 percent by weight copper, 22:38579
  Structural transformations in Zr—Nb alloy, 23:36142
  Study of the changes in the mechanical properties of Nb with different impurity contents between 20 and 850°C, 25:19212
  Temperature dependence of slip in α—U, 22:31349
  Textures arising in electrolytically produced U by rolling and annealing of α phase, 21:20531
  Thin oxide films obtained by oxidation of Zr alloys, 23:8327
  Use of reaction ^{16}O(d,p)^{17}O to study oxygen diffusion and application to Zr, 22:23720
  Work-hardening characteristics of α-U, 22:2657
  X-ray diffraction analyses of zirconia films on Zr and Zircaloy-2, 25:24649
LACOMBE, Paul Application of diffusion in electric field between 900 and 1100°C to determination of coefficient of diffusion of oxygen in uranium oxide UO_2, 22:4874
  Electrochemical behavior of U electrode in contact with aqueous solutions and the nature of the phases formed as a function of pH, 25:34562

  - Method of growth of perfect crystals of α—U by hot plastic deformation and annealing at higher temperature in α phase, 21:41560
  - Structural development in Zr—Nb alloy, 23:48470
  - Variation of critical shear stress from various methods of slippage in monocrystals of α U deformed by compression as a function of temperature (between 20 and 650°C), 23:6689
  - Variation of microhardness and concentration of dissolved oxygen in α Zr after prolonged oxidation at 850°C, 22:47664
- LACOMBLE, M. Determination of O in steels by neutron activation. II, 23:17362
  - Determination of O in steels by neutron activation. III, 23:17368
- LACONI, A. Radioisotopes for internal application in diagnostics and therapy, 22:28620
  - Studies in scintigraphy of the pancreas, 21:14675 (NP-tr-1495)
- LA CONTI, A. B. Characteristics of tantalided and hafnided samples in highly corrosive electrolyte solutions, 25:29766
- LACORRE, Jean Development of a signal processing system applicable in nuclear spectrometry, 25:37624 (CEA-R-4038)
- LACORRE-COUSSY, J. Skeleton and cobalt therapy in the adult, 22:4636
- LACOSS, R. T. Long-period signal processing results for LASA, 23:49970
- LACOSTE, G. Mass spectrometric analysis of N and O isotopes, 24:46182
- LACOSTE, Jean Profile milling machine, 24:46410
- LACOSTE, Michel Thermal diffusivity of Pu alloy stabilized delta phase, 25:29876
- LACOTTE, J.-C. Computer-controlled flying spot digitizer for spark chamber photographs, 21:26190
- LACOUME, J.-L. Ground polarization of radioelectric whistlers, 23:27513
- LACOUME, Jean-Louis Pc1 propagation in presence of ionization gradients aligned with magnetic field, 25:24962
  - Reflection of waves by discontinuous surface parallel to the magnetic field, 25:33330
- LACOUR, J. Nuclear electronics and integrated circuits, 21:39296
  - Spleen scanning and anatomical examination of spleen in Hodgkin's disease, 23:33762
- LACOUR, Jacques Process and apparatus for measuring the doubling time of a nuclear reactor, 22:25199
- LA COUR CHRISTENSEN, P. Routines for hybrid computations with EA1 680 and PDP 8, 21:40741 (RISO-M-595)
  - Test program for analog input equipment 138E/139E for PDP8, 21:40742 (RISO-M-596)
- LACOURCIERE, Yves Liver-trapping index of radiocolloid as an estimation of perfusion, 25:46926
- LACOUR-GAYET, Philippe Stress changes in Ta carbide with deformation rate and temperature (1,200 and 2,200°C), 25:58395
- LACOURLY, G. Approach to the problem posed by the evaluation of levels of radioactive contamination of ambient air and of the alimentary chain, 23:35724 (CEA-CONF-1282)
  - Concentration factor between marine organisms and water, 23:20227
  - Diet of populations of regions in European Community aimed at determining levels of radioactive contamination, 24:21098 (EUR-4218)
  - Estimate of the risk of internal contamination in man by radioactive water pollution, 25:26747
  - Evaluation of radioactive pollution transfer to ocean and sea food chains, 24:21095 (CEA-CONF-1465)
  - Hazards of internal contamination of a human population from the radioactive pollution of waters, 24:48526 (CEA-CONF-1548)
  - Levels for rejection of liquid radioactive effluents, 24:21093 (CEA-CONF-1341)
  - Prog. rpt. on radioactive contamination levels in the environment, annual, 1965, 21:28432 (EUR-3069.f)
  - Radioactive waste regulatory and social aspects, 23:35763 (CEA-CONF-1281)
  - Radiological protection of the public, 24:48572 (CEA-CONF-1561)
- LACOURLY, Guy Determination of diets for populations of eleven regions of European community to be used for obtaining radioactive contamination levels, 23:2803 (CEA-R-3434)
  - Determination of diets in eleven regions of the European Community with a view to studying the radioactive contamination level, 21:28343 (CEA-R-2979)
- LACOURLY, S. Characteristics of irregular pulsations of diminishing periods and relations with flux of particles in magnetosphere, 22:17537
  - Irregular micropulsations and their relations with the far magnetospheric perturbations, 22:34393
  - Polarization of hydromagnetic oscillation of Pc-1 type, 21:9407
  - Properties of irregular hydromagnetic pulsations (SIP and IPDP), 24:47107
  - Wave-packet propagation and application to dispersion characteristics and to mechanisms of Pc 1 events, 25:27605
- LACOURLY, Sylvaine Appearance of irregular pulsations of decreasing period during the displacements of the external boundary of the Van Allen zones, 21:23082
  - Electromagnetic and light emissions during magnetic substorms, 23:46389
- LACROIX, A. Safety investigations of Na—water steam generators, 22:53354
- LACROIX, Andre Electromagnetic flow measurement device, 25:8400
- LACROIX, F. Insurance against nuclear risks in Europe, 24:9857
  - Third party liability insurance for the maritime carriage of nuclear substances, 24:22943
- LACROIX, J. Cl. Experimental modifications of the karyotype in a urodele amphibian (Pleurodeles waltlii micah.) by irradiation of the egg and nuclear grafting, 21:6658
- LACROIX, Jean-Claude Detection of mitotic chromosomes and lampbrush chromosomes induced by irradiation of eggs of amphibian Urodele pleurodeles waltlii michah, 21:20357
- LACROIX, M. Free radical induction by uv in constituants of DNA, 22:43256
  - Free radicals induced by x-rays in puric bases, 21:43340
- LACROIX, Marie-Jose Trace of excitation function of reaction $^{16}O(d,n)^{17}F$ up to 27 MeV and discussion of its utilization for O determination, 22:27597
- LACROIX, R. Fine structure analysis of trace elements in sea water samples, 25:15541
  - Technologic limitations of the utilization of prestressed concrete pressure vessels, 24:14871 (EUR-4280(Vol.1), pp 305-39)
- LACROIX, Roger Design of prestressed concrete reactor vessels, 24:11102 (ORNL-tr-2250)
  - Prestressed concrete pressure vessel, 24:4046
- LACRUCHE, Gilbert Neutron collimator, 25:28153
- LACY, C. E. Reaction (^{3}He,pp), 21:40507
  - Simple model for corrections to the isobaric multiplet mass equation, 24:1915
- LACY, Claud H. Orbital elements of the eclipsing binary VW Cygni, 24:48943
- LACY, Curtis Elmo Nonperturbative study of the isobaric multiplet mass equation, 25:17970
- LACY, Dennis Seminiferous tubule in mammals, 21:30907
- LACY, Jeffrey Linn Eta pi decay of the A2 meson and A2 production mechanism, 25:59279
  - Spin parity studies of eta pi decay of A2 meson, 25:5282 (COO-1195-200)
- LACY, L. E. Synthesis of toluene diisocyanate dimer (TDID), 25:54346 (BDX-613-506)
- LACY, P. E. Stimulus-secretion coupling of glucose-induced insulin release. IV, 25:44757
- LACY, P. S. Pathfinder boiler core and full core critical experiments, 21:1152 (ACNP-65599)
  - Shielding and radiation survey measurements, 21:31892 (ACNP-67520)
  - Xenon reactivity test, 21:35538 (ACNP-67521)
  - Xenon-transient calculations in large light-water reactors, 23:28443
- LACY, Sushil S. Preoperative radiotherapy of renal-cell carcinoma, 23:20278
- LADA, Andrzej Scintillation method of measurements of the radioactivity of ^{55}Fe, 21:14462
- LADA, Henry F. Plutonium-239 determination by resin paper ion-exchange separation and liquid scintillation counting, 22:42583 (AD-665357)
- LADA, Vitold Impurities in pure β-emitters, 24:27388
- LADA, W. Methods of measurements of the activity and radiation purity of radioisotopes, 22:4421
- LADA, Witold Determination of microamounts of ^{42}K in presence of ^{24}Na, 23:47398
- LADAGE, A. Gold and hole effects in gold-plated quantameters, 22:46658
- LADAGNOUS, Jean-Paul Fuel assembly for nuclear reactor, 22:25184
- LADA-JAGAS, Romana Radiation-induced changes in medical personnel working with x rays, 23:41473
- LADANNE, Jean-Marie Continuous process crystallizer, 24:5667
- LADANYI, J. Isotope-examination of the initial resorption following replantation, 21:45535
- LADANYI, K. Calculation of colliding Regge trajectories, 25:7710
  - Least-squared calculation of scattering with Bethe—Salpeter equation, 23:27889
  - Least-squares technique for scattering, 25:53387
  - Relativistic trion model for hadrons, 22:24709
  - Two-triplet model of direct muon production, 24:20190
  - Variational solutions of Bethe—Salpeter equation, 22:35105
  - Variational treatment of the nonperturbative trion dynamics, 21:23350
- LADANYI, P. A. Ultraviolet bactericidal irradiation of ice, 22:28717
- LADD, A. A photometric device for the identification of multiply charged particles stopping in nuclear emulsions, 22:19111
- LADD, A. C. Ariel III satellite project, 22:13375
- LADD, George Radiation therapy in treatment of advanced lung cancer, 22:2524
- LADD, I. R. Temperature dependence of oxidation of pyrolytic graphite by CO_2, 21:13230
  - Time dependence in ablation of ZTA graphite in flowing CO_2, 21:41688
- LADD, Irwin R. Kinetics of oxidation of W by CO_2 at high temperatures, 21:31040
- LADD, R. L. Comparison of microstructure with mechanical properties of irradiated tungsten, 22:8793
  - Comparison of radiation damage in molybdenum and some molybdenum-base alloys, 25:45101
  - Domain boundaries in vanadium, 23:3612
  - Neutron damage in molybdenum irradiated at high temperatures, 23:51076 (GEMP-706)
  - Neutron damage in molybdenum irradiated at high temperatures, 24:17338
  - Radiation damage in vanadium, 22:52850 (GEMP-612)
  - Radiation damage in vanadium, 23:22617
  - Voids in irradiated tungsten and molybdenum, 23:34025 (GEMP-692)
  - Voids in irradiated tungsten and molybdenum, 24:12445
- LADD, Robert L. Correlation of microstructure with mechanical properties of irradiated tungsten, 24:8157 (CONF-670533-, pp 216-29)
  - Cylindrical damage shells in irradiated vanadium, 23:42425
  - Electron microscopy of irradiated and mechanically tested tungsten, 23:12378
  - Observation of damage shells in irradiated metals, 23:16500 (GEMP-668)
  - Observation of damage shells in irradiated metals, 23:30102
  - Radiation effects on the microstructure of tungsten, 22:31433
  - Radiation effects on the microstructure of tungsten, 23:3089 (GEMP-581)
- LADDAGA, M. Functional damage during experimental radioinduced nephropathy, 22:33950
  - Possibility and utility of sole telecobaltoirradiation in preoperative treatment of uterine cancers, 23:31863
- LADE, R. W. Effects of ^{60}Co gamma radiation on MOS diodes, 21:41308
  - Influence of ^{60}Co gamma irradiation on surface and bulk recombination rates in silicon, 22:13581
  - Radiation induced damage to semiconductor surfaces and effects of damage on semiconductor device performance, 23:38383 (N-69-12257)
- LADEFOGED, J. Partition coefficient of ^{133}Xe between various tissues and blood, 22:4575
  - Solubility of ^{133}Xe at 37°C in water, saline, olive oil, liquid paraffin, solutions of albumin, and blood, 21:39336
- LADENBAUER-BELLIS, I. M. Decay of ^{109}Sn and the level structure of ^{109}In, 24:38274
  - Decay of ^{76}Br, 25:28246
  - Decay study of ^{117}I and ^{119}I, 24:15936
  - Level structure of ^{109}Cd from decay of ^{109}In, 25:28428
  - Studies on the decay of ^{67}Ge, 23:25865
  - Unsuccessful search for 17.5 day to 22 day ^{141}Sm, 21:25554
- LADENBAUER-BELLIS, I.-M. New Ta isotopes ^{170}Ta and ^{171}Ta, 25:15066
- LADENBAUER-BELLIS, Inge-Maria Decay scheme of ^{74}Br, 23:37173
  - Decay studies of ^{118}I and ^{120}I, 23:7306
  - Decay study of ^{75}Br, 23:30984
- LADESICH, John Plutonium recycle developments, 25:57202
- LADET, J. Control of fast breeder Rapsodie, 21:10133 (EURFNR-102-F)
  - Safety examination of Rapsodie reactor, 22:53372
  - Some information gathered from rapsodie operation, 24:22462
- LADEZHNOVA, E. M. Phase equilibria in the systems Mg—Y and Mg—Y—Mn, 23:10228
- LADIK, J. Room-temperature superconductivity in double-stranded DNA, 23:46430
- LADIKOV, Yu. P. Plasma vortex compression by magnetic field, 21:5290
- LADIKOVA, N. P. Laves phase in Co—Ni—Nb ternary alloys, 23:6693
- LADIKOV-ROEV, Yu. P. Influence of dissipative processes in casing on stability of surface of liquid metal, 25:19551
  - Maintaining equilibrium in the uncased TO-1 Tokamak device by means of a feedback system, 25:38467 (CONF-710607-72)
- LADING, Lars Two-phase flow measurements utilizing laser anemometry, 25:37672 (RISO-M-1368)
- LADINSKY, J. L. Effects of irradiation on the generative cycle of the estrogen stimulated vaginal epithelium, 24:46576
- LADNER, H. A. Therapeutic modification of acute radiation illness in dogs by splenectomy, 21:12914
- LADNER, H.-A. Amino acids and their metabolites in clinical radiology, 24:50750
  - Conference on radioisotopes in pharmacological and clinical biochemistry, Wiesbaden, Ger., 9/68, 25:55255
  - Detection of radioinduced vitamin B_6 deficiency in man, 24:34108
  - Effects of irradiation on hydroxyproline excretion, 24:50752
  - Glutamate oxalacetate transaminase in erythrocytes of tumor patients treated with radiation, 24:50759
  - Histochemical enzyme analysis following irradiation, 24:50756
  - Safety principals in the handling of radiopharmaceuticals and radioisotope-labeled pharmaceuticals, 25:35153
- LADNER, Hans-Adolf Behavior of free amino acids in the blood plasma, 24:34114
  - Conference on biochemically detectable radiation effects and their significance in radiotherapy, Stuttgart, 5/69, 24:50746
  - Control of radiation sensitivity with vitamin B_6, 22:31137
  - Histochemical changes in enzymes of the citric acid cycle and the succinoxidase system in various organs of the rat following whole-body irradiation, 23:10072
  - Importance of the spleen in radiology, 24:41990
  - Isocitrate-, succinate-, and malate-dehydrogenase as well as cytochrome oxidase in rat organs following irradiation, 23:20104
  - Radiation induced percentual changes in peripheral lymphocyte types, 24:34581
  - Radiation protection in research and medical practice. VII, 24:34373
  - Radioinduced excretion of xanthurenic acid in rats and its effect on serotonin and histamine, 21:10778
  - Significance of spleen in radiation injuries of mammals. II, 21:13027
- LADNER, Robert C. Improved quantum theory of many-electron systems. V, 23:41985
- LADO, F. Effective potential description of the quantum ideal gases, 22:13618
- LADOV, Edwin N. Kinetic isotope effect in the radiation-induced decomposition of crystalline potassium nitrate, 24:9411
- LADOV, Edwin Neil Oxygen isotope effect in radiolysis of crystalline KNO_3, 25:13043
- LADU, M. Contribution to the skyshine study, 22:29836
  - Critical reflections on neutron dosimetry, 21:43280
  - Liquid dielectric ionization chamber for dosimetry of mixed radiation fields, 21:43281
  - Production and discharge of toxic and radioactive gases in Linac tunnel in Frascati, 22:47528 (NRC-TT-1332)

- Quality factor in a mixed field of gamma-rays and neutrons by an ionization chamber. II, 21:32404
- Radioprotection at the electrosynchrotron at Frascati, 25:43738
- Recombination in hexane ionization chambers irradiated with gamma rays, 22:2430
- Response of impurity activated alkali halides scintillators to ionizing particles, 25:39736 (LNF-70/53)
- Shielding for Frascati linear accelerator quench tanks, 21:13771 (SLAC-Trans-60)
- Use of ionization filled with a dielectric liquid in radiation dosimetry, 21:32492
- Use of trans-stilbene crystal to measure the equivalent dose in a mixed γ—n field, 24:46470 (LNF-70/31)
- Use of trans-stilbene crystal to measure dose equivalent in mixed γ—n field, 25:44699
- LADUKHINA, G. V. Effect of ionizing radiation on Cl. botulinum spores, 24:48762
- LADY, E. R. Boiling heat-transfer data at low heat flux, 21:39122
  - Discrepancies in critical-heat-flux data obtained using thin-wire heaters in saturated liquid helium II, 25:56060
  - High-voltage test of a large cryogenic coil for magnetic energy storage system, 24:51713 (LA-4469)
- LADY, G. Control of radiation exposure in U mines, 23:26809 (RMC-UR-42)
- LADYGIN, A. Ya. Carbide fuel elements, 25:52471 (A/CONF.49/P-707)
  - Experience gained from operation of BR-5 reactor, 1964-5, 22:18571
  - Hematite concrete for shielding from high neutron fluxes, 24:39735
  - Post-irradiation study of BR-5 standard fuel elements containing UC, 25:20791
  - Radiation stability of serpentine concrete, 25:790
- LADYGIN, B. Ya. Radiation-induced oxidation of methanol, 21:12466
- LADYGIN, I. N. Combined scattering spectra of anionic uranyl complexes, 24:38867
  - Solvolysis of uranyl nitrate in alcohol solutions in the presence of tris(decyl)amine, 23:43315
  - Spectra of uranyl complexes in a distant infrared region, 22:16516
- LADYGIN, V. G. Pigment mutations induced by uv-irradiation, 24:23169
- LADYGINA, V. G. Influence of temperature during gamma-irradiation of seeds on the amount of cytogenetic damage, 24:12047
  - Postradiation recovery of seeds, 22:23580
- LADYGO, A. S. Preparation of niobium carbide and niobium carbonitride from niobium pentoxide, 21:11285
- LAEGSGAARD, E. Large-area position-sensitive semiconductor detector made by ion implantation, 24:5886 (EUR-4269, pp 221-8)
  - Position sensitive detectors made by ion implantation in silicon, 22:14789
  - Position-sensitive semiconductor particle detectors fabricated by ion implantation, 22:40388
- LAEGSGARD, E. Equilibrium charge distributions of ion beams in carbon, 25:16758
- LAEMMERZAHL, P. Positive ions and neutral gas between 100 and 233 km above Andoeya, Norway, 23:46363
  - Potassium—Ar age determination for Fe meteorites. II, 21:3597
  - Rare-gas isotope studies on meteorites, 22:26197
- LAENG, P. Speed of magnetic flux penetration in Type-I-superconducting specimens of nonzero demagnetizing coefficient, 25:40545
- LAENSIMAEKI, Marja Stable lead and radiolead in air filter samples, 25:18933 (NYO-3446-14, Paper 32)
- LAEUCHLI, Andre Detection of calcium-strontium phosphate in fruit stalk of P. sativum, 21:41333
  - Radioassay for β-emitters in biological materials using Cherenkov radiation, 23:24450
  - Uptake of strontium by higher plants in mixed cultures, 22:40608
- LAEUTER, R. Acceleration of plasma with traveling electromagnetic waves, 22:50173
  - Acceleration of plasma with traveling electromagnetic waves, 23:18624 (CONF-680113-(Vol.2), pp 701-25)
- LAFAILLE, Claude Detecting U in the atmosphere, 23:38291
- LAFARGUE, Yves Different states in system water—carbon, 22:30527
- LAFARGUE, Yves-Paul Physical and chemical interactions of water on graphite, 25:29918 (CEA-R-4123)
- LAFAUT, J. P. Moessbauer spectrometer using piezoelectric bar, 24:29555
- LAFAVE, James W. Lymphopenia induced by splenic interstitial irradiation, 21:20387
- LAFAY, J. Flow reduction of research reactors, 22:3856
- LAFAY, Jacques Determination of burn-out in research reactors, 24:16178 (CEA-R-3893)
- LAFAYE, C. Scintigraphy of vascular system of brain, 24:25516
- LAFEILLE, M. Ionospheric observations at Kerguelen—Sogra, 22:34468
  - Magnetically conjugate regions in F2 layer, 24:30266
- LAFERRIERE, Arthur Numerical solution of the two-electron Schroedinger equation, 24:37277
  - Solution of Hartree—Fock first-order equation for He, 24:44996
- LAFERRIERE, P. French carbon dioxide blowers for nuclear reactor equipment, 21:14021
- LAFEUILLE, M. Variations of ionization in conjugate regions of F2 layer, 24:47147
- LAFFERTY, J. F. Choked-flow analogy for very low quality two-phase flows, 21:34403
  - Conductivity probe for measuring local void fractions in two-phase flow, 21:26052
  - Experimental investigation of a vapor-driven two-phase vortex, 21:36244
  - Facility for the investigation of a gas-driven liquid vortex, 21:7058 (MMPP-293-1)
  - Two-phase vortex flow, 21:32310 (MMPP-293-2)
- LAFFERTY, K. J. Reactions of graft versus host (GVH) type, 23:26705
- LAFFERTY, R. H. Jr. ^{90}Sr heat sources, 25:26432
  - Isotopes and radiation technology, Vol. 9, No. 1, 1971, 25:57127
  - Special sources of information on isotopes, 22:10504 (ORNL-IIC-12)
- LAFFERTY, Robert H. Jr. Flow measurements with radioisotopes, 25:26435
  - Isotopes and radiation technology. IV, 21:17782
  - Isotopes and radiation technology. IV, 21:39142
  - Isotopes and radiation technology. IV, 21:45319
  - Isotopes and radiation technology. IV, 22:4586
  - Isotopes and radiation technology. Vol. 5, No. 1, 22:10521
  - Isotopes and radiation technology. Vol. 6, No. 1, 22:50898
  - Isotopes and radiation technology. Vol. 6, No. 2, 23:4886
  - Isotopes and radiation technology. Vol. 6, No. 3, 23:16049
  - Isotopes and radiation technology. Vol. 6, No. 4, 23:29621
  - Isotopes and radiation technology. Vol. 7, No. 1, 23:50062
  - Isotopes and radiation technology. Vol. 8, No. 1, 24:50524
  - Isotopes and Radiation Technology, Vol. 5, No. 3, 22:16636
  - Isotopes and Radiation Technology, Vol. 5, No. 2, 22:16632
  - Isotopes and radiation technology, Vol. 5, No. 4, Summer 1968, 22:30792
  - Isotopes and Radiation Technology, Vol. 7, No. 3, 1970, 24:11740
  - Isotopes and radiation technology, Vol. 7, No. 2, Winter/1969—70, 24:14192
  - Isotopes and Radiation Technology, Vol 7, No. 3, 1970, 24:29446
  - Isotopes Information Center keyword thesaurus, 23:38183 (ORNL-IIC-24)
  - Isotopes information center keyword thesaurus, 24:39140 (ORNL-IIC-24(Rev.1))
  - Permuted Isotopes and Radiation Technology indexes, 1962—1969, 25:23740 (ORNL-IIC-31(Vols.1-7))
  - Prog. rpt. on research and development projects, 1967, 22:47294 (TID-24349)
  - Selected abstracts of non-U. S. literature on production and industrial uses of radioisotopes, 21:14391 (ORNL-TM-1505(Pt.4))
  - Selected abstracts of non-U.S. literature on production and industrial uses of radioisotopes, 21:8527 (ORNL-TM-1505(Pt.3))
  - Strontium-90 heat sources, 25:34808 (ORNL-IIC-36)
- LAFFERTY, W. J. Microwave spectrum, structure, boron quadrupole coupling constants, and dipole moment of difluoroborane, 22:16535
- LAFFERTY, Walter Medical radiological practice in New Orleans, 22:28534
- LAFFINEUR, M. Meridian radiointerferometer with radioelectric connections, 22:13138
  - Photometric study of the solar corona, 24:37127
- LAFFINEUR, Marius Coronal jet associated with chromospheric eruptions and coronal bulbs, 24:4949
- LAFFON, Jean-Louis Process for the measurement of a displacement and device for its use, 25:55068 (AEC-tr-7240)
- LAFFONT, J. Pearl micropulsations of 3 to 5 seconds observed in presence of x radiation, 24:47108
  - Relation between electron precipitations and pulsations of the magnetic field, 24:37373
- LAFITTE, R. Civil engineering problems in the conception of the 250 MW(e) heavy water reactor of the SNA, 21:4650
  - Containment for heavy-water gas-cooled reactors, 22:18449
  - Containment shell for 250 MWe gas-cooled heavy-water reactor, 21:42781
  - Prestressed concrete vessels for nuclear reactor construction, 22:37455
- LAFITTE, Raymond Prestressed concrete pressure vessels for a 250 Mw(e) heavy water moderated and carbon dioxide cooled reactor, 22:1790
- LA FLAMME, Paul M. Irradiation of elastomeric compounds, 22:37816
- LAFLEUR, Charles Calculation method for dispersion relation of collisional plasma, 22:24275 (CEA-R-3413)
  - Calculation method of the dispersion relation of a collisional plasma, 23:3468 (SC-T-68-1542)
- LAFLEUR, J. D. Nuclear systems for space power and propulsion, 23:43170 (CONF-670846-, pp 1-29)
- LAFLEUR, Joseph D. Jr. Applications of radioisotope space power systems, 24:22882
  - Nuclear energy source limitations for dynamic energy conversion systems, 22:19817
  - Nuclear power systems for spacecraft, 24:29066
- LAFLEUR, M. S. Formation of ^{7}Be in nuclear reactions induced by 85-MeV protons, 21:7744
- LAFLEUR, P. D. Characterization of standard reference materials for industry and research by neutron generator activation analysis, 24:38772 (PRNC-135, pp 183-6)
  - Determination of molybdenum in steels and biological materials by activation analysis, 23:37915
  - Determination of short-lived trace impurities in sodium metal by neutron activation analysis, 24:5621
  - Determination of yttrium in rare earths by photon activation analysis, 24:5615
  - Emission of K-x-rays in slow neutron fission of ^{233}U, ^{235}U, and ^{239}Pu, 24:11013
  - Extraction studies of group IIIB—VIIB elements, 23:49900
  - Radiochemical separations for activation analysis using D2EHPA, 24:33
  - Standard reference materials for the analysis of environmental samples, 25:31822
- LAFLEUR, Philip D. Activation analysis for molybdenum, 24:102
  - Activation analysis section: summary of activities, 7/67—6/68, 23:35025 (NBS-TN-458)
  - Neutron activation analysis, 24:5618
  - Prog. rpt. on activation analysis, 7/68—6/69, 24:46198 (NBS-TN-508)
  - Prog. rpt. on activation analysis, annual, 7/69—6/70, 25:18366 (NBS-TN-548)
  - Rapid group radiochemical separations for activation analysis of steels, 23:24117
- LAFLEUR, Philip DeLos Preparation of sterile, low-tritium ^{18}F and radiochemical separations using H bis(2-ethylhexyl) phosphate and K x-ray yields from fission of ^{233}U, ^{235}U, and ^{239}Pu, 22:27836
- LAFLIN, Susan Positive ions in the topside ionosphere, 23:5331
- LAFLUER, Philip D. Use of ^{18}F sodium fluoride in bone photoscanning, 22:38388
- LAFON, A. Protection of zirconium against oxidation by means of metal coating, 22:17123
  - Protection of zirconium against oxidation by means of metallic coatings, 22:43573 (WAPD-Trans-0094)
  - Protection of zirconium and its alloys against oxidation, 24:958
- LAFON, Alain Protection of zirconium and its alloys by metallic coatings, 23:17281 (CEA-R-3612)
- LAFON, Barbra Normal coordinate analysis of CF_3—CH_3 and CF_3—CD_3, 21:3024
- LAFON, Helene Plutonium detection in casks of compactable solid waste, 23:26492 (CEA-R-3725)
- LAFON, J. P. Power radiated by a dipole in an ionized medium, 23:8600
  - "Radiation condition" and "antiradiation condition", 22:52785
- LAFONTAINE, A. Absorption of ^{226}Ra in cultivated plants, 23:14137
  - Basic medical principles serving as the basis for the regulations on ionizing radiations, 21:18158
  - Do irradiated foodstuffs have a radiomimetic effect. II, 22:40983
  - Do irradiated foodstuffs have a radiomimetic effect, 23:43924 (NP-tr-1833)
  - Electrophoresis and immunoelectrophoresis patterns from proteins of irradiated meat, fish, and fowl egg, 25:26631
  - Fundamental medical principles underlying the regulations on ionizing radiation, 22:40673
  - Interpretation of results of physical dosimetry by means of biological dosimetry, 22:21527
  - Legal and administrative measures relating to waste control and protection of the public, 24:7914
  - Legislation concerning irradiated foodstuffs, 21:26735
  - Manual measurement of photographs by scanning with a laser beams, 25:49012
  - Regulations concerning ionizing radiation, 23:45939
  - Responsibilities of public authorities with respect to environmental contamination, 24:7917
  - Siting factors and their bearing on emergency situations, 24:7880
  - Transfer and distribution of tritium among the main components of milk, 24:44406
  - Transfer and incorporation of tritium in grass and milk, 25:46773
- LAFONTAINE, F. ERUPT: two-dimensional, two-energy group fuel management program for the IBM-360 computer, 23:21480 (EUR-4203)
  - Options for 250 MWe ORGEL prototype plant orientation study, 23:33026 (EUR-4209)
  - ORGEL dynamics, 23:33035 (EUR-4254)
  - ORIN II: optimization code of an ORGEL reactor associated with power plant, 23:37446 (EUR-4067)
  - Performance of thorium ORGEL reactor, 22:30246
  - Study of a 250 Mwe ORGEL power plant, 21:21705
  - Thorium and ORGEL concept, 22:24937 (CONF-660524-, pp 119-28)
- LAFONTAINE, Francois Assembly of fuel elements for nuclear reactors, 24:47989
  - Fuel pencils having a thin flexible can for nuclear reactors, 21:44963
  - Tubular fuel pencil having a thin flexible can for nuclear reactors, 21:44906
- LAFONTAINE, I. Perspectives of plutonium utilization seen from 1970, 25:60249
  - Radioactive contamination of workers, 22:23527
- LAFONT-RAPNOUIL, Michel Improvements to thermoluminescent dosimeters, 25:23861
- LA FORCE, Richard Conley Kinetics of pump-leak system of transport in ocular lens, 24:11360 (COO-2012-1)
- LAFORE, P. Reactor shielding in the Commissariat a l'Energie Atomique, 25:23328 (CEA-CONF-1730)
  - Shielding and shielding concretes, 23:27670 (ORNL-tr-3025)
  - Shielding calculation methods, 21:15214 (ORNL-tr-1381)
  - Shielding studies and concretes, 21:13302
  - Treatment of irregularities in shields, 23:13470 (AERE-R-5773(Vol.3), pp 834-57)
  - ZEUS 2 program one-velocity three-dimensional Monte Carlo, 21:5465 (ORNL-tr-1371)
- LAFORE, Pierre Determination of base for proper function and of corresponding norm for Boltzmann integral—differential equation, 22:10084 (ORNL-tr-1505)
- LAFORE, Robert W. Application of PDP-5 to data handling for meson-produced x rays, 21:13353 (UCRL-17253)
  - Computer-controlled semiconductor detector system, 21:3279
  - Design and use of a data link for high-energy physics experiments, 23:2704 (UCRL-18181)
  - Error checking and other aspects of data-link organization, 22:14403 (UCRL-17934)
- LAFORE, Robert W. Jr. Data link between small computers and CDC 6600, 22:7969 (UCRL-17622)
  - Error-correcting data link between small and large computers, 22:28210 (UCRL-17999)

LAFOREST Control of effectiveness of protection against gamma radiation, 22:45576
LAFOREST, J. Magnetic properties and structures of CrB compounds $Tb—Ge_{0.2}Si_{0.8}$, HoSi, ErSi, and TmSi, 25:14434 (CEA-CONF-1701)
  Magnetic properties of intermetallic compounds of cobalt with rare-earth metals, 23:5467
  Structure and magnetic properties of TbSi, 24:19988
LAFORTE, B. Gentilly power station prestressed reactor containment building, 22:25033
  Prestressed concrete containment building for the Gentilly Nuclear Power Station, 22:35507
  Prestressed concrete containment building for the Gentilly Nuclear Power Station, 23:5979
LAFOUCRIERE, J. Analysis of the reaction $^{16}O(n,\alpha)^{13}C$ at 14 MeV by the distorted-wave method, 21:34064
  Beta spectrometer with trochoidal trajectories using ironless coils, 21:3270
  Diffraction model with surface absorption, 22:14112
  General graphical method for angular momentum, 21:21263
  Generalization to magnetic distributions of revolution of a method of correction of polar forms intended to engender a topography of predetermined gradient, 21:3256
  Graphical method for Clebsch—Gordan coefficients isoscalar factors and rotation matrices for SU_3, 21:29583
  Graphical method for the crossing matrix in the octet model, 21:33731
  Reduction of Faddeev equations, 24:1678
  Spherical aberration effects on the transmission, luminosity, and resolution for a β spectrometer with trochoidal trajectories, 21:17874
  Study of the influence of the aperture of counters on the measurement of differential cross sections, 22:45297
  Symmetrization of the entrance and exit channels in the theory of complex collisions, 21:25582
  Two-nucleon transfer reactions, 24:22207
  Use of the graphic method for calculating a stripping angular distribution, 25:34159 (LYCEN-6804, pp 109-24)
LAFOUCRIERE, Joseph Compensation of terrestrial magnetic field in development of a β spectrometer, 24:16877
  Magnetic field with symmetry of revolution that decreases with inverse distance to axis, 21:279
  Overlapping of α substructures in reaction $^{12}C(t,\alpha)^{11}B$, 23:40127
  Reaction (d,α) on ^{14}N and ground-state and first-excited levels of ^{12}C, 23:39958
  Reactions (p,pd), $(p,p\alpha)$, and $(\alpha,2\alpha)$ with ^{6}Li, 24:40560
  Scattering of 28-MeV deuterons on nuclei containing equal numbers of neutrons and protons, 22:35234
LAFOURCRIERE, J. SU3 fractional parentage in the 1-p shell, 25:23062 (LYCEN-7078)
LAFRAMBOISE, James Gerald Theory of Langmuir probes in collisionless, Maxwellian plasma at rest, 22:11427
LAFRANCE, Jean Claude Cryogenic pumping system for low-density plasma tunnel, 22:10459
LAFRENZ, Robert L. Stability of nuclear crater slopes in rock, 24:41556 (CONF-700101-(Vol.2), pp 1661-1678)
LAFUMA, J. Automatic analysis of space and trabeculae sizes in the spongy bone of babies and children, 25:24149 (CEA-CONF-1697)
  Decontamination of the skeleton, 25:49092
  Effect of radon on lung of rats, 24:4549
  Experimental contaminations with americium in solution and their treatment, 25:44800
  Experimental research on the treatment of contamination by transplutonium elements, 25:8590 (CEA-CONF-1658)
  Experimental study of contaminations by ^{242}Cm and their treatment, 25:6619 (AEC-tr-7178)
  Lung clearance: silicosis and anthracosis, 24:541 (CEA-CONF-1314)
  Mathematical treatment of metabolic data by the theory of compartments, 23:22184 (CEA-CONF-1175)
  Metabolism and therapy of respiratory contamination by some soluble actinides, 25:46676 (ORNL-tr-2491)
  Problems of estimating absorbed bone marrow doses to infants and children from radiological diagnostic examination, 25:24177
  Problems posed in the estimation of medullary dose absorbed by the nursing infant and the child in the course of a radiodiagnostic examination, 23:29496 (CEA-CONF-1239)
  Radiological accidents rules, 25:18975 (CEA-N-1365)
  Radiological accidents: action to be taken in case of external irradiation or accidental radioactive contamination, 24:50870
  Respiratory contamination by actinides in solution, 25:35091
  Study of ^{242}Cm contamination and treatment, 25:6686
  Technical problems raised by clinical use of gamma spectrometry equipment for whole-body counting, 24:11773
  Treatment of accidental internal contamination, 21:6400 (CONF-660412-7)
  Treatment of contaminations by ^{239}Pu, 24:50863 (CEA-CONF-1549)
LAFUMA, J. C. Properties of chelated rare earths in tissues and blood, 23:24642
LAFUMA, Jacque Pulmonary cancers in rat following inhalation of radon, 25:21837 (LF-tr-47)
LAFUMA, Jacques Collection and processing of information in biological kinetics studies with radioactive tracers, 23:9828 (CEA-R-3433)
  Efficiency of chelating agents of polyamine acid series for internal decontamination, 22:51564 (CEA-R-3519)
  Experimental cytopathology: experimental study of the origin of alveolar macrophages of the rat, 25:41649 (LF-tr-52)
  In vitro fixation of plutonium to human transferrin and competition reaction with ferric ions, 23:9830 (CEA-R-3623)
  Lung cancers in rats after inhalation of radon with nonradioactive dusts, 24:51039
  Metabolism of ^{137}Cs, ^{137}Ba in rat, 21:39322 (CEA-R-3108)
  Study of contamination by 100 μ Ci of ^{90}Sr in rat, 22:43395 (CEA-R-3388)
LAG, J. Study of mercury and iodine distribution in Norwegian forest soils by neutron activation analysis, 25:31882
LAGALLY, Max G. Effective atomic-scattering factor and rigid-lattice interference function in low-energy electron diffraction, 23:1220
LAGAN, J. E. Data acquisition system for use in nuclear medicine, 25:37834 (ORO-2401-29)
LAGARDE, M. Isotopic distribution of Rb and Cs produced by 10.5-GeV protons of U, Th, Ta, and identification of new isotopes, 22:24879
LAGARDE, Monique Production of ^{32}P in nuclear reactions induced by heavy ions, 23:23703
  Radiochemical procedure for separating sulfur, 22:8027
LAGARDE, P. Heavy water and He circuits of EL 4 power plant, 23:13385
LAGARDE, Stephen C. Nutritive composition of irradiated oysters, 23:43931
LAGAR'KOV, A. A. Tests of superconducting magnetic system with field H approximately 20 kOe on board a satellite, 24:23902
LAGAR'KOV, A. N. Air flow behind a strong shock wave taking nonequilibrium ionization and radiation into consideration, 22:26428
  Applicability of local thermodynamic equilibrium approximation, 21:2232
  Effect of radiant emission and of thermal conductivity on the conditions of developing ionization instability, 23:20943
  Experimental and theoretical studies of thermal conductivity coefficient and complete nitrogen plasma radiation, 22:9332
LAGARRIGUE, A. Future of neutrino physics with large chambers, 22:12604 (CERN-67-26(Vol.1), pp 3-23)
  Future of neutrino physics with large chambers, 23:23329
  Giant bubble chambers, 23:43601
LAGASSE, Leo D. Pelvic lymphnodectomy as an adjunct to the radiation therapy of cervical carcinoma, 23:863
LAGASSE, P. E. Embrittlement by plastic fatigue of steels for reactor vessels, 22:2609 (EURAEC-1892)
LAGE, G. L. FORTRAN IV program for automatic external standardization in liquid scintillation spectrometry, 21:22140
LAGEDROST, J. F. Fabrication, characterization, and thermal-property measurements of $ThO_2—UO_2$ fuel materials, 22:47703 (BMI-X-10210)
  Thermal conductivity of PuO_2, 22:11051
  Thermal properties of Bettis-fabricated $ThO_2—UO_2$ fuel materials, 23:34080 (BMI-X-10231)
LAGENAUR, C. Kinetics for hydrolysis of phenyl orthoformate, 23:9371
LAGENAUR, Carl Substituent and secondary deuterium isotope effects for hydrolysis of Schiff bases, 25:37383
LAGENDIJK, A. Separation of hafnium and zirconium oxides from uranium preliminary to the spectrographic determination of hafnium, 24:2103 (NIM-440)
LAGERBERG, G. Canning materials for heavy water reactors, 23:41644
  Canning materials for water reactors, 22:28769
  Dislocation structure of an austenitic stainless steel in different stages of fatigue, 21:47049 (UUIP-493)
LAGERBERG, Goeran Canning materials for fast reactor fuel rods, 24:18661
  Canning materials for fast reactors, 23:22548
LAGERCRANTZ, C. Trapping of free radicals formed by γ-irradiation of organic compounds, 22:35865
LAGERCRANTZ, Carl Spin trapping of radicals formed by γ-irradiation of sodium phosphite in solid state, 25:26313
LAGERGREN, C. Dose distribution from intracavitary radium and supplementary external irradiation in uterine cervix, 24:50908
LAGERGREN, C. R. Application of small digital computer to control of mass spectrometer, 23:9787 (BNWL-SA-1938)
  Computer-controlled, three-stage mass spectrometer, 24:27476
LAGERLOEF, B. DNA replication in radiation-induced thymomas of mice, 25:4460
  Effects of radiation damage to bone marrow, 23:10061
  Immunological properties of guinea pig skin-saline suspension. III, 22:30943
LAGERLOEF, Bengt Radiation-induced mouse thymoma, 23:41237
  Ultrastructure of virus- and radiation-induced thymomas of C57Bl mice, 23:29800
LAGERLOEF, Bengt A. M. Relation between thymic alkaline phosphatase activity and lymphoma development in mice, 21:26616
LAGERQUIST, C. R. Americium and Pu urine excretion following inhalation, 22:28351
  Bio-assay and body counter results following an acute plutonium exposure, 21:41456
  Distribution of Pu and Am following PuO_2 implants, 25:16012
  Plutonium content of several internal organs following occupational exposure, 22:38265 (UCRL-18140, pp 103-22)
  Plutonium content of several internal organs, 23:41307
  Plutonium excretion following contaminated burns and prompt DTPA treatments, 21:6544
LAGERSTEDT, Harry B. Translocation of radioactive kinetin, 21:34599
LAGERWALL, S. Y. T. Diffusion of Ar, Kr, and Xe in CaF_2 investigated on U-doped CaF_2, 25:30673
  Rare gas diffusion in alkaline-earth fluorides, 23:32586
L'AGE-STEHR, Johanna Immunological memory in mice. I. Physical separation and partial characterization of memory cells for different immunoglobulin classes from each other and from antibody-producing cells, 24:36716
  Immunological memory in mice. II. Cell interactions in the secondary immune response studied by means of immunoglobulin allotype markers, 24:36715
LAGET, J. M. Experimental study of neutron levels in odd Yb isotopes through (d,p) reactions, 22:27148
  Experimental study of neutron states in ^{181}Hf, ^{171}Yb, and ^{173}Yb, 22:20624
  Levels in ^{56}Co studied by two-nucleon transfer reactions, 23:7263
  Nuclear structure of ^{50}Sc through the reaction $^{48}Ca(^{3}He,p)^{50}Sc$, 23:17101
  Reactions (d,p) at 12 MeV on three even Yb isotopes, 23:17125
  Spectroscopy of ^{54}Mn, 25:50671
LAGET, J. P. Multiparameter registration system designed for the study of three body reactions by the coincidence method, 23:16206
  Proposed system for on-line information processing including several hierarchical postings, 23:20039 (CEA-CONF-1180)
  Simultaneous data acquisition and processing system using a C.A.E. 510 computer, 22:18050
  System for measurement and recording time intervals with resolving power of 10 ns, 23:16079 (CEA-CONF-1181)
LAGET, Jean-Marc Contribution to study of two nucleon transfer reactions, 23:21290 (CEA-R-3572)
LAGET, P. Induced and spontaneous cerebral electrical activity in adult rabbits subjected to whole-body gamma irradiation, 25:21833 (CEA-CONF-1720)
  Influence of total irradiation and the visual potential in adult rabbits, 23:33829 (CEA-CONF-1257)
LAGET, Paul Immediate modifications of visual evoked potentials in adult rabbit exposed to non-lethal whole-body γ irradiation, 22:40916
  Modifications of vigilance in rabbit exposed to γ irradiation, 22:40843
LAGHOS, P. S. Application of the pseudopotential method to atomic scattering, 24:3193
  Elastic scattering and inelastic transitions, 22:21909
LAGHOS, Panayiotis Sophocleous Application of the pseudopotential method to atomic scattering, 24:23774
LAGIER, T. F. Mechanical energy generated by the failure of a waterlogged reactor fuel rod subjected to a transient power conditions, 21:38702
LA GINESTRA, Aldo Action of alkaline sulfides to solutions of uranyl salts at various pH, 21:30413
  Behavior of uranyl in sulfide solutions at pH 10, 21:30412
  Phosphate of Ca and U (IV): preparation and crystallographic characterization, 21:32167
LAGINOVA, J. Influence of diets with a different unsaturated fatty acid content on the glycogen level in irradiated rat liver, 21:22675
LAGINOVA, V. Distribution of radiation on surface of body during radiotherapy, 25:44877
  Effect of gibberellic acid on the lesions produced in guinea pigs by sublethal x irradiation, 22:51843
  Effect of irradiation in rats, 23:43702
  Single and fractionated repeated x irradiation on the course of rat radiation sickness, 21:18113
LAGINOVA, Viera Influence of diets on nucleic acid metabolism in rat spleen exposed to x-ray, 21:26376
LAGNADO, I. rf-sputtered cadmium sulfide thin crystals, 24:21362
LAGNAUX, J. P. anti KN elastic amplitudes between 1 and 1.3 GeV/c, 25:9667
  Elastic scattering of antiprotons on polarized protons at 1.73, 2.13, 2.37, and 2.97 GeV/c, 22:46330
  Elastic scattering of negative kaons on polarized protons between 1.4 and 2.4 GeV/c, 22:41748
  Elastic scattering of positive kaons on polarized protons at 1.22 and 2.48 GeV/c, 23:21060
  Polarization in elastic $K^{+}p$ scattering, 23:49054
  Polarization in elastic $K^{-}p$ scattering, 25:1427
  Spins and parities of Y^{*}'s in 2.0 to 2.4 GeV mass region, 22:48233
LAGNAUZ, J. P. Polarization measurements in medium-energy elastic scattering and high-energy models, 24:24249
LAGNEBORG, R. Hydrogen embrittlement in austenitic steels and nickel-base alloys, 23:22527
  Optimum preirradiation creep properties of austenitic stainless cladding materials, 24:10042 (KFK-985, pp 255-61)
  Yielding and fracture of Fe—30 percent Cr alloys subjected to 475°C embrittlement, 22:10975
LAGNIER, Robert Compensated-power differential calorimeter for -196 to 400°C, 22:2447 (CEA-R-3181)
LAGOMARSINO, R. J. Transport and fallout of stratospheric radioactive debris, 21:6059
LAGONEGRO, M. Elastic and inelastic scattering of 14.2 MeV neutrons from ^{6}Li and the optical model, 24:30705
  Reaction $(p,n\gamma)$ on ^{48}Ti and level scheme of ^{48}V, 21:44612
  Shape of a neutron beam produced by means of the $T(d,n)^{4}He$ reaction using a thick target and associated-particle method, 23:23608
LAGORCE, M. Aspects of French regulations in the nuclear field, 25:52102 (A/CONF.49/P-624)
  Brussels supplementary convention and its joint intergovernmental security fund, 24:9855
  Liability and insurance in the transport of radioactive materials, 22:28054
  Position of nuclear operators with respect to third party liability insurance, 24:22941
LAGORGE, M. Nuclear responsibility and security, 24:4639
LAGORIO, M. F. Compacted sand shielding, 21:17544
  Irradiation experiments on concretes, 21:17543

- LAGOS, C. Pablo Dynamics of neutral gas in thermosphere for small Rossby number motions, 22:36844
  - Dynamics of thermosphere, 22:15410 (MIT-2241-35)
- LAGOUTINE, F. Exact determination of the half-lives of various radionuclides, 21:15603
  - Periods of some radionuclides, 24:10974
- LAGOUTINE, Frederic Accurate determination of some radioactive half-lives, 22:29990
  - Weak current measurement, 23:611 (CEA-R-3584)
- LAGOUTINE F. Several isomeric transitions, 24:35893
- LAGOUTTE, M. Inverse Faraday effect in a plasma, 25:3082
- LAGOWSKA-ZLOTORZYCKA, Maria Reversion of rough to smooth forms in Brucella abortus. I, 25:18970
- LAGOWSKI, B. Segregation and inclusions in zirconium-containing magnesium casting alloys, 22:15200
- LAGOWSKI, J. P. Conceptual design of a 350-MW(e) demonstration fast breeder reactor, 24:7055
  - Impurities in primary sodium and cover gas of Enrico Fermi Atomic Power Plant, 22:12974
  - Inspection and maintenance considerations for a 350-MW(e) DFBR, 24:7139
- LAGOWSKI, James P. Nuclear-power sea-water conversion plant, 21:19454
- LAGRANGE, A. Separation of carrier-free ^{231}Th from ^{235}U, 21:4614
- LAGRANGE, Christian Theoretical interpretation of medium-energy nucleon—nucleus inelastic scattering, 24:49918 (CEA-R-3950)
- LAGRANGE, J. M. Coulomb excitation of ^{123}Te and ^{125}Te, 25:12603
  - Quasi rotational bands in neutron deficient barium isotopes, 24:49825
  - Some tellurium isotopes by spectroscopy and Coulomb excitation, 24:43404
  - Study of ^{123}I decay, 21:42662
- LAGRANGE, J.-M. Level schemes of even—even tellurium isotopes of mass number 118, 120, 122, 124, and 126, 22:7711
- LAGRANGE, Jean-Marie Decay scheme for ^{123}I, 23:19265
  - Decay scheme of ^{118}I, 23:40071
  - Decay scheme of ^{124}I, 23:21349
  - Even-even isotopes of tellurium, 24:52564 (NP-18447)
  - Study of ^{117}I decay, 23:32942
- LAGRANGE, M. Studies of construction of tanks for PHENIX reactor and power reactors using integrated circuits, 24:45996 (CONF-700307-4)
  - Vessel for Phenix reactor, 24:52780
- LAGRANGE, Maurice Structural design and assembly of PHENIX reactor, 25:46233
- LAGRANGE, Philippe Microdetermination of molybdenum by anodic stripping at constant current using the hanging mercury drop electrode, 25:8206
- LAGROT, F. Histological study of chronic occupational x-ray dermatitis of the fingers, 24:42003
  - Occupational radiodermatitis of fingers, 23:50646
- LA GRUTTA, G. Action of ionizing radiations on CNS, 25:13561
  - Action of radiation on central nervous system. IV, 21:367
  - Action of radiations on central nervous system. III, 21:368
  - Action of radiations on the central nervous system. I, 21:6648
  - Action of radiations on the central nervous system. II, 21:8992
- LAGU, A. V. Connection between the RMS charge radii and sigma/sub b//sup E1/ for trinucleons, 25:20252
  - Connection between the rms charge radii and sigma/sub b//sup E1/, 25:50636
  - Rms charge radii of tri-nucleons and the binding energy of ^{3}H, 22:50527
  - X-ray diffraction from alpha uranium crystals with stacking faults, 25:40057
- LAGU, R. G. Formation and quenching of orthopositronium in molecular materials, 23:27346
  - Free volume model for positronium decay in molecular materials, 23:22922
  - Positron annihilation in condensed media, 22:26207
  - Positron lifetimes in rare earth oxides, 25:30272
  - Quenching of triplet positronium in condensed media, 21:43774
- LAGUARDA-FIGUERAS, A. Radioprotection of Vicia faba by serotonin—creatinine sulfate complex, 22:10811
  - Recovery effect of serotonin-creatinine sulfate complex on x-irradiated planarians, 25:42527
- LAGUARDA-FIGUERAS, Alfredo Effect of x, γ, and uv radiations on populations of Dugesia Dorotocephala, 24:39519 (NP-18175)
  - Protection by serotonin—creatinine sulfate complex of planaria Dugesia tigrina against lethal effects of x-rays, 22:23579
- LA GUARDIA, V. J. Permeability of Pictured Cliffs sandstone: Gasbubby preshot and postshot measurements, 25:6448 (UCRL-50946)
- LAGUCHEVA, R. M. Radiation induced increase of stability of polymerizing emulsion systems, 22:37801
- LAGUE, P. C. Comparison between chicken and guinea pig thyroid metabolism, 23:41220
- LAGUENY, P. Measurement of fast neutron fluence by means of silicon p-n junctions, 21:1631
- LAGUERRE, Rene Pulse shape discrimination, 21:41271
- LAGUN, M. A. Mechanism of radioprotectors, 22:4658
- LAGUNOV, V. M. Experiments on shock plasma heating in a rapidly rising magnetic field, 25:1168
  - Experiments with strong shockwaves on Voda I, 24:6510 (NP-tr-1861)
- LAGUNOWA, Irina Radiotherapy of non-neoplastic diseases, 24:23277
- LAGUNTSOV, N. I. Theory of asymmetric separation cascades with an arbitrary enrichment in the separation element, 25:54917
  - Theory of separation cascades at high enrichments, 24:22911
- LAGUTIN, I. G. Random coincidence noise in correlation measurements in a cyclotron, 22:11763
  - Spectral density of the cyclotron beam current and accidental coincidences in nuclear angular correlation measurements on the cyclotron, 23:17044
- LAGUTINA, N. Ya. Effect of polyglucine on course of radiation sickness, 21:1779
- LAGUTKIN, M. I. Carburization of molybdenum in glow-discharge plasma, 24:51202
- LAHAJNAR, G. Nuclear-magnetic-resonance relaxation by spin-rotational interactions in the solid, 21:42170
  - Spin-lattice relaxation by quasi-spin waves in order-disorder type ferroelectrics, 25:6233 (IJS-575)
- LAHANN, H. J. Annihilation of Frenkel defect by low energetic atomic collisions, 24:6639
- LAHANN, H.-J. Calculation of region-dependent thermal neutron spectra by Monte Carlo code MEGMOC, 22:37618
  - Measurements and calculations of γ-spectra in a bent concrete duct, 25:7434
  - Multigroup Monte Carlo program for the calculation of the stationary neutron distribution in heterogeneous lattices, 21:29846
- LAHAYE, Jacques Study of suspensions of carbon blacks in sols of thorium oxide, 22:28919
- LAHELLEC, M. Influence of milk on uptake of ^{198}Au, 23:50722
- LAHET, G. New method for preparing metal borides, 25:42944
- LAHEURTE, J. P. Energy levels near the surface in dilute mixtures of liquid ^{4}He in ^{3}He, 24:15250
  - Superfluid film formation in dilute liquid mixture of ^{4}He in ^{3}He, 21:13475
  - Theory of dilute solutions of ^{4}He in liquid ^{3}He at low temperatures, 25:52733
- LAHEY, R. T. Mixing, flow regimes, and void fraction for two-phase flow in rod bundles, 24:19141
- LAHEY, R. T. Jr. Control rod oscillator tests, Garigliano nuclear reactor, 22:20813 (GEAP-5534(Pt.1))
  - Two-phase flow and heat transfer in multirod geometries: subchannel and pressure drop measurements in a nine-rod bundle for diabatic and adiabatic conditions, 24:31579 (GEAP-13049)
- LAHIRI, A. K. Studies on properties of some ternary copper alloys of Cu—Mn—Zn and Cu—Mn—Ni system, 21:45927
- LAHIRI, S. K. Bone marrow myelopoiesis and circulating granulocyte changes in the rat after intravenous injection of ^{32}P, 22:6875
  - Distribution and multiplication of colony forming units from bone marrow, 23:24742
  - Ionic distribution studies in haemolymph from different parts of periplaneta americana by radioactive tracers, 23:9852
  - Modification of growth kinetics of colony-forming units in vivo, 24:34631
- LAHJNAR, G. NMR study of ferroelectric transitions in diglycine nitrate and trissarcosine $CaCl_3$, 24:41251
- LAHKY, Ervin Desorption of ^{144}Ce traces from cotton fabric, 21:41416
- LAHL, R. Serum protein picture of rat following whole-body x irradiation, 21:36699
- LAHL, W. Reductometric titration of Mo, 23:21644
- LAHMANI, F. Gamma radiolysis of some N-heterocyclic compounds, 21:23978
- LAHMON, Ralph Nondestructive detection of moisture in roof sandwiches, 24:11854
- LAHNECHE, B. Lung cartography, 23:16343
  - Lymphography in chronic lymphoid leukemia, 24:2759
  - Thyroid uptake measurement using ^{125}I and ^{131}I, 23:16302
- LAHNECHE, B. E. Results on esophageal scanning, 25:21566
- LAHNER, K. Calculation of prompt temperature coefficients in ZrH-moderated lattice, 24:41064
  - Uniform procedure for calculating fuel inventories and consumption rates of major power stations systems, 24:11201 (BMwF-FBK-69-27)
- LAHOUD, A. Improved method for determination of ^{90}Sr in oyster flesh, 22:18684 (AAEC/TM-394)
  - Improved method for determination of ^{90}Sr in soils and sands, 22:18685 (AAEC/TM-395)
- LAHOUD, J. A. Analysis of ground motion: Buggy I Event, 24:7540 (PNE-326)
  - Analysis of seismic peak amplitudes from underground nuclear explosions, 24:20921
- LAHR, H. Stability constants of some actinide complexes. I, 23:9408
  - Stability constants of some actinide complexes. II, 24:20757
- LAHR, T. N. Use of radioluminescent materials in space, 23:50059
- LAHREN, Cheryl K. Radiation studies with the boll weevil, 21:12971
- LAHRTZ, Hg. Calcium-45 loss in isolated rat diaphragms in Ca-free and normal tyrode solution, 22:51419
  - Studies with ^{85}Sr of diseases belonging to the rheumatic complex, 25:11175
- LAHS, W. R. Availability assessment of nuclear plants, 23:19470
- LAHTEENMAKI, U. Deuteron magnetic resonance in solid and liquid SiD_4 above 36°K, 22:1360
- LAHTI, Gerald P. Comparison of small water—graphite nuclear rocket stages with chemical upper stages for unmanned missions, 23:15693 (N-68-35073)
  - Comparison of W and depleted U in minimum-weight, layered shields for a space power reactor, 24:2043 (N-69-35817)
  - Fast-spectrum, liquid-metal cooled nuclear reactor program for space-power applications, 22:39860 (N-68-18197)
  - Fission neutron attenuation in ^{6}Li, natural lithium hydride, and tungsten, 23:1758 (N-68-30001)
  - MCFLARE: code to simulate solar events, 22:38651 (N-68-16008)
  - Measured and calculated fast-neutron spectra in a lead-and-water shielded reactor, 25:41571
  - Multigroup resonance cross sections for slabs of tungsten and depleted uranium for use in shielding calculations, 24:6910
  - Multigroup resonance-region cross sections for tungsten and depleted uranium for use in shielding calculations, 24:35522 (N-70-18127)
  - OPEX 2: radiation shield optimization code, 23:30602 (N-69-20854)
  - Radiation shielding computer code to evaluate propellant heating and dose to crew, 21:29321 (NASA-TM-X-1397)
  - Resonance neutron capture in a thick slab of depleted uranium, 23:37076
- LAHTI, J. A. Compatability of U—Pu—Fz fuel alloys with potential cladding materials, 21:11177
- LAHTI, John A. Compatibility of uranium—5 w/o fissium alloy with types 304L and 316 stainless steel, 24:10077 (ANL-7596)
- LAI, Allen A. Electron spin resonance study of x-irradiated single crystals of di-n-butyl oxalate—urea and di-n-butyl malonate—urea inclusion compounds, 25:6352
  - ESR study of an acetylenic radical in two host crystals, 25:21049
- LAI, C. F. Apparatus for magnetic measurements at high pressure, 25:33468
- LAI, C. K. Ground-state energy of mixture of fermions and bosons, 25:14501
- LAI, C. S. Algebra of currents and the vector-meson—baryon coupling constants in broken SU(3), 21:25295
  - Calculation of decay rate of $K_2^0 \to \pi^+ + \pi^- + \gamma$, 22:3329
  - Calculation of the vector and axial-vector meson decays, 22:37135
  - CP noninvariance and abnormal bosons, 23:36973
  - Current algebras, K/sub l3/ form factors and ratio F/sub K//F/sub π/, 23:49111
  - Current-algebra calculation of decay processes phi → K + anti K, K/sub A/ → K + ω, and K/sub A/ → K + rho, 22:34957
  - Current-density, current-density commutation relations and the VVP couplings, 22:46415
  - K/sub l3/ form factors, F/sub K//F/sub π/ and symmetry-breaking parameters of vacuum states, 25:12198
  - Low-energy pion—pion scattering lengths, 23:34589
  - Nonrenormalization of F/sub K//F/sub π/, 22:17949
  - Pole dominance calculation of πK scattering lengths, 25:14687
  - Sum rules for weak radiative decays of pseudoscalar meson, 23:21081
  - Symmetry breaking under $U_3 \times U_3$, 25:7703
  - Symmetry-breaking parameters under $U_3 \times U_3$ and eta—X mixing, 25:41050
  - Two-γ decays of pseudoscalar mesons and the constitution of the currents, 25:5337
- LAI, Chai Shing Current algebras and meson form factors, 21:37761
- LAI, D. Y. F. Clustering and giant moments in Cu—Ni alloys, 25:4000 (UCRL-72587(Rev.1))
  - Diffusion of iron in α—Fe—Si alloys, 23:11389 (UCRL-50516)
  - Diffusion of iron in various ferrous alloys, 22:38540 (UCRL-50314)
  - Diffusion of silicon in α—Fe and α—Fe—Si alloys, 23:9291 (UCRL-50517)
- LAI, Hon-ming Conductivity of a magnetoplasma from a convergent kinetic equation, 25:40638
  - Topics in plasma theory, 25:56185
- LAI, Ho-yi Grain growth during sintering of W—Cu—Ni alloys, 24:34907
- LAI, J. R. Radionuclide fractionation and leaching of transient nuclear test debris, 21:38639
- LAI, John R. Radiochemical and physicochemical studies of Kiwi-TNT debris, 21:14331 (USNRDL-TR-1100)
- LAI, K. W. Calculation of the $\pi^+\pi^-$ mass distribution in the reaction $\pi^- p \to \pi^-\pi^- N^{*++}$, 21:15347
  - Production of the g(1640) meson in πp interactions at 6 GeV/c, 23:5536
- LAI, Kwan Wu A_2 meson production from K^-n interactions at 3.9 GeV/c, 23:32630
  - Deck effect with K exchange, 23:42682
  - Enhancement (ΛK) at 1.7 GeV produced in $\pi p \to \Lambda K \pi$ interactions at 6 GeV/c, 22:3273
  - Evidence for $K^*(1300)$ in $\pi^- p$ interactions at 6 GeV/c, 21:31530
  - Experimental review of meson resonances decaying into (K anti K) states, 22:41730 (BNL-12611)
  - Experimental tests of (rho, A_2) and K^*, K^{**}) exchange degeneracy in forward meson—baryon scattering, 24:10759 (BNL-14222)
  - Further evidence for $Y_1^*(1616)$ from 3.9 GeV/c K^-n interactions, 23:32621 (BNL-13681)
  - Guided tour of A_2, 23:27746 (BNL-13561)
  - Is there an eta(550)π resonance at 980 MeV, 23:32629
  - Isospin-$^1/_2$ Kπ enhancement at a mass of 1160 MeV, 23:16937
  - Observation of a backward peak in the reaction $\pi^- + p \to Y^0 + K^0$ at 6 GeV/c, 21:9715
  - Properties of the $N^*(1730)$, 24:37631
  - Reaction $K^-n \to \Lambda\pi^-$ at 3.9 and 3.6 GeV/c, 24:5254
  - Results from $\pi\pi \to$ Kanti K and Kanti K → Kanti K interactions, 24:3520 (BNL-14090)
  - Search for I = 3/2 Ξ resonances in K^-n interactions, 22:52936 (BNL-12864)
  - Study of structure in "A_2 (1300)" region in $\pi^- p$ interactions at 6 GeV/c, 22:32071
  - Tale of two "A_2" mesons, 22:48223 (BNL-12769)
  - Threshold enhancements in $p^0\pi^-$ and $f^0\pi^-$ systems from reaction $\pi^- p \to p\pi^+\pi^-\pi^-$ at 6 GeV/c, 24:24232
  - Xi^* resonance in K^-n interactions at 3.6 and 3.9 GeV/c, 24:28495
- LAI, Kwan-wu A_2^- from reaction $\pi^- p \to$ K/sub S/$^0K^-p$ at 4.5 GeV/c, 25:36409
  - K^+ forward scattering from the reaction $\pi^- p \to K^+\Sigma(1375)^-$ at 4.5 and 6 GeV/c, 25:43558

- Tests of (rho,A_2) and (K^*,K^{**}) exchange degeneracy in forward meson—baryon scattering, 24:51966
- LAI, M. G. Adsorption of trace elements from seawater by Chelex 100, 22:33477 (AD-663129)
  - Concentration of mixed fission products from seawater by Chelex 100, 22:36015 (AD-663128)
  - Radioactivity release from radionuclide power sources. III, 21:1527 (USNRDL-TR-1050)
  - Radioactivity release from radionuclide power sources. VIIa, 23:476 (USNRDL-TR-68-74)
  - Radionuclide release from aerospace nuclear reactor fuels. V, 21:2869 (USNRDL-TR-1046)
  - Rapid ion exchange method for the concentration of Co from seawater, 21:17566 (USNRDL-TR-67-11)
  - Seawater corrosion of SNAP container alloys, 21:13111 (USNRDL-TR-1092)
  - Seawater corrosion studies of SNAP-21 materials, 23:24792 (USNRDL-TR-68-109)
- LAI, Ming-Gon Radioactivity release from radionuclide power sources. VIIa, 23:21888 (AD-675039)
- LAI, P. Effect of protacted administration of irradiated food on rabbits, 25:44920
- LAI, Shu Tim Properties of a short-range field model of superdense matter, 25:55689
- LAI, Tsai-teh Electroosmosis and electrophoresis in paper electrochromatography of uranyl ion in semicarbazide hydrochloride solution, 22:2069
  - Polarographic studies of uranyl complexes, 22:45075
  - Polarography of U(VI) and Pb(II) complexes with L-glutamine, 23:24148
  - Polarography of U(VI) chelate of trans-1,2,-diaminocyclohexane-N,N,N',N'-tetraacetic acid, 25:31941
  - Polarography of U(VI) complexes, 23:35113
  - Polarography of uranium(VI)—arsonoacetate complex, 24:44023
  - Polarography of uranyl—nitrilotriacetate complex, 21:10341
  - Polarography of uranyl-diethylenetriaminepentaacetate complexes and adsorption kinetics at the dropping mercury electrode, 24:44018
  - Polarography of uranyl-iminodiacetate complex, 22:10243
- LAIB, R. D. Carrier distillation method for the determination of impurities in niobium oxide, 23:34
- LAIBLE, Nancy Effectiveness of thermoradiation sterilization, 24:48772 (SC-RR-70-423)
- LAIBOWITZ, R. B. Electron transport in Nb/Nb oxide/Bi tunnel junctions, 25:56078
  - Relationship between structure and sputtering parameters in NbN films, 25:24653
  - Strong-coupling parameters for superconductors, 24:15248
  - Tunneling sandwich structures using single-crystal niobium films, 24:30300
- LAIDLAW, G. J. Oxygen quenching of positron lifetimes in liquids, 21:18426
- LAIDLAW, G. M. Table of positron annihilation data, 22:52536
- LAIDLAW, Michael G. G. Feynman functional integrals for systems of indistinguishable particles, 25:25490
- LAIDLAW, R. A. Wood-plastic composite materials, 22:8854
- LAIDLER, J. B. Americium chloro-complexes, 22:12309
  - Americyl(V) and americyl(VI) chloro-complexes, 21:10352
- LAIDLER, J. J. Correlation between mechanical properties and microstructure in irradiation iron and molybdenum, 22:21747
  - Formation of secondary defects in nickel, 23:25455
  - New candidate LMFBR cladding alloy, 25:4775
  - New candidate LMFBR cladding alloy, 25:16445 (WHAN-SA-8)
  - Simulation of high fluence fast neutron damage with heavy ion bombardment, 25:33414
- LAIDLER, James Joseph Lattice defects in quenched nickel, 22:52163 (ORO-3108-51)
- LAIDLER, K. J. Fall-off behaviour and kinetic isotope-effects in reactions of cyclic hydrocarbons, 22:30538
- LAIDLER, Keith J. Vibrationally adiabatic model for the dynamics of H + H_2 systems, 24:49018
- LAIGNELET, Bernard Development of rice seeds Oryza sativa irradiated by ^{60}Co γ rays, 25:16378
- LAIHO, R. T. S. Magneto-optical properties of Cd^+ in x-irradiated alkali halides, 25:56320
- LAIKEN, S. L. Tritium—H exchange studies of protein models. I, 23:19726
- LAIKO, A. V. Induction of Bacterium paracoli mutants with modified DNA by uv, 24:6028
  - Induction of mutants with altered DNA composition: effect of ultraviolet on Bacterium paracoli 5099, 21:45549
- LAIN, P. J. FFTF control rod drive mechanism continuation study, 24:13605 (WARD-3977-2)
- LAINE, D. C. Alternate-gradient focusing of neutral particles, 23:22924
- LAINE, E. F. Radiation effects on electronic components, 21:18303 (UCID-4544)
- LAINE, Michel Measurement of 4π β—γ coincidences, 25:15914 (CEA-R-4131)
  - Proportional counter 4 π for absolute measurement of β-emitters, 22:16858 (CEA-R-3362)
- LAINER, A. I. Production of technical zirconium dioxide from baddeleyite concentrates, 22:41095
  - Thermal disintegration of basic zirconium sulfate, 22:19615
- LAINER, D. I. Critical currents of some superconducting alloys of Nb—Zr—Ti system, 22:38548
  - Effect of microinhomogeneity on the critical points of superconducting alloys, 21:25089
  - Effect of substrate temperature on the electric conductivity of films produced by evaporating tantalum in a vacuum, 21:34901
  - Effects of heat treatment on the superconducting properties of Nb—Ta alloys, 25:36054
  - Features of alloys of Zn with In, Pb, and Hg produced by treating Zn foil in amalgamated solutions containing In and Pb, 25:24583
  - Influence of plastic deformation on critical current density of certain superconducting alloys, 22:1092
  - Oxidation of Nb, 22:23827
  - Oxidation of Ti and Zr, 22:23721
  - Structure of ultrathin films produced by vacuum evaporation of tantalum and iridium, 22:31405
- LAINER, V. I. Heat-resistant galvanic electroplating of molybdenum and tungsten, 21:18238
- LAING, E. W. Interaction of test particles with a plasma, 25:49899
  - Invariants in the motion of a charged particle in a spatially modulated magnetic field, 23:5375
  - Invariants in the motion of a charged particle in a spatially modulated magnetic field, 25:56401
  - Stability of a plasma stream in a magnetic field, 25:56202
- LAING, G. W. Insulation design and development for the Oldbury vessels, 23:11146
- LAING, George William Improvements in and relating to the insulation of the walls of relatively large vessels, 24:9166
- LAING, J. D. Orbital elements of six spectroscopic binary stars, 24:25842
- LAING, W. R. Lattice parameter of U(C,N), 24:14955
- LAING, William H. Accelerated gestation time in the Syrian hamster following low dose x irradiation, 21:22715
- LAIOSH, Nad' Influence of hypophysis on the function of adrenal gland cortex during radiation syndrome caused by radioactive phosphorus injection, 21:22341
- LAIRD, A. R. Computation and application of synoptic ionospheric profiles, 22:1049
  - Electromagnetic drift of the midlatitude F2 layer during a storm, 25:11805
  - Model calculation of the diurnal variation in minor neutral constituents in the mesosphere and lower thermosphere including transport effects, 24:32742
  - Nighttime variations of F-region electron density profiles at Puerto Rico. III, 23:5318
  - Vertical drift velocities of ionospheric F region during eclipse of Nov 12, 1966, 25:38250
- LAIRD, C. E. Approximate electron radial functions for beta decay and analysis of ^{12}B and ^{12}N spectra, 21:7847
  - Beta decay and nuclear structure in the mass-14 system, 25:12421
- LAIRD, Charles D. Molecular mechanism of recombination in B. subtilis transformation, 23:16249
- LAIRD, Christopher Eli Critical re-evaluation of nuclear shell models in the mass-14 system, 25:23087
- LAIRD, E. W. Application of a medium-scale digital computer to operational support of EBR-II, 25:51056
  - Description of software for the EBR-II digital data acquisition system, 25:23293 (ANL-EBR-33)
  - Functional description of EBR-II digital data acquisition system, 25:23292 (ANL-EBR-29)
- LAIRD, M. J. Motion of charged particles in a circularly polarized wave packet, 25:33348
  - On gyroresonance, 23:13000
  - Structure of the neutral sheet in the geomagnetic tail, 23:10498
  - Trapped particles, 25:17018
- LAISNE, A. Avalanche effect in plane and cylindrical geometry, 22:26743
  - Buncher with simulated third harmonic, 23:49270
  - Third harmonic simulated buncher, 22:24763
  - Use of quadrupoles in resonant ejection in view of the matching of the beam emittance to the extraction channel, 25:50537
- LAISSUE, J. Survival of platelets in lethally irradiated dog, 24:44601
- LAITANO, F. Double π^- photoproduction on medium weight nuclei, 23:25852 (LNF-68/66)
- LAITANO, R. F. Thermoluminescence in complex biochemicals, 24:9778
  - Thermoluminescence in complex biochemicals, 24:9781
- LAITHWAITE, J. M. Design of the prototype fast reactor, 22:18519
  - Engineering of fast breeder reactors in the United Kingdom, 21:27710
  - Hydraulic problems in the PFR coolant circuit, 24:52752
  - Sodium pump for fast reactors, 24:52756
  - U. K. fast reactor program, 22:46950
- LAITINEN, Lauri V. Effect of irradiation on electrical impedance of brain tumors, 24:23279
- LAITY, Richard W. Prog. rpt. on ion mobility in molten salts, annual, 6/69—5/70, 24:48013 (NYO-3608-10)
  - Prog. rpt. on relative cation mobilities in molten salt mixtures, 5/67, 21:38927 (NYO-3608-4)
  - Relative cation mobilities in silver bromide—potassium bromide melts, 24:48014 (NYO-3608-11)
- LAIVIN'SH, M. E. Investigations of Al cans of used nuclear reactor IRT-2000 fuel elements, 24:2040
- LAIZAN, V. B. Microstructure of Mn^{2+} ions in NaCl crystals and radiation effects on the changes of microstructure, 21:25208
- LAIZIER, J. Hydrophilic silicone resins obtained by radiation grafting, 24:13925
  - Impregnating systems for producing wood—plastic composite materials, 24:13937
  - Polymer—substrate binding in resinified wood, 24:22618 (CEA-CONF-1418)
  - Polymer-substrate bonding obtained by radiation in resin-treated woods, 24:13936
  - Radiation-induced crosslinking of elastomers, 24:13923
  - Radioreticulation of natural and synthetic elastomers in emulsions or dispersions, 24:20788 (CEA-CONF-1417)
- LAIZIER, Jacques Continuous irradiation cell, 25:44497
  - Pagure: ^{60}Co panoramic irradiation facility, 22:21232 (CEA-R-3302)
  - Preparation of hydrophilic silicones by radiochemical grafting, 24:5701
  - Progress in radiation processing in France, 25:51667 (A/CONF.49/P-636)
  - Radioinduced oxidation of n-paraffins for obtaining biodegradable detergents, 23:7548 (CEA-R-3541)
  - Treatment of elastomers, 25:54619
- LAJ, C. Early-stage F coloration in lithium fluoride doped with divalent cation impurities, 25:1282
  - Enhancement of coloration by divalent impurities in LiF, 23:42416
- LAJ, Carlo Enhancement of γ-ray coloration by Mn^{2+} and Mg^{2+} in LiF, 23:25446
- LAJEUNESSE, C. Doppler broadening of resonances and inelastic neutron scattering in uranium carbide, 22:32438
  - Inelastic neutron scattering in metal hydrides, UC and UO_2, and applications of the scattering law, 22:29864
- LAJEUNESSE, Claude Low-energy neutron interactions with uranium carbide, 24:47557
- LAJOS, Toth Environmental radiation control. I and II, 23:2827
- LAJOS, Varkonyi Engineering facilities for the irradiation in the VVR-SZ reactor in Budapest, 22:12119
- LAJTAI, A. Angular distribution of gamma rays from the fission of ^{232}Th, ^{233}U, ^{235}U, and ^{238}U induced by 14 MeV neutrons, 24:22155
  - Average characteristics of prompt neutron emission from fission, 24:6891
  - Average number and energy of prompt neutrons from fission, 22:35392
  - Gamma rays from fission of ^{235}U by 14-MeV neutrons, 24:30795
  - Kinetic energy of fragments in fission of ^{235}U, 24:22186
  - Remarks on the existence of retarded neutrons in fission, 25:56741 (KFKI-71-35)
  - Survey of measurements of the fission neutron spectrum of ^{252}Cf, 25:36728 (KFKI-71-9)
- LAJTAI, Albert Angular and energy distribution of neutrons from ^{235}U fission, 21:19276
  - Angular distribution of gamma rays from fission of ^{235}U induced by 14-MeV neutrons, 22:46810
  - Average energy of prompt neutrons in spontaneous fission of ^{252}Cf and thermal neutron-induced fission of ^{235}U, 22:32652
  - Energy and charge distribution in the thermal neutron-induced fission of ^{235}U and the spontaneous fission of ^{252}Cf, 22:18339
  - Energy dependence of angular distribution of fission gamma rays from ^{235}U irradiated by thermal neutrons, 22:11960
- LAJTAI, Cs. Effect of radiations on sperms, 24:34602
- LAJTHA, L. C. Erythropoiesis in lethally irradiated mice grafted with bone marrow or spleen cells, 22:6876
- LAJTHA, L. G. Characteristics of murine myeloid leukemia colonies in the spleen, 23:41445
  - Continuous irradiation of P388F lymphoma in vitro sensitization by 5-iodo-2'-deoxyuridine, 22:40779
  - Extracorporeal irradiation of the blood in leukemic patients, 23:29524
  - Irradiation of blood, 23:43830
  - Kinetic properties of haemopoietic stem cells, 23:24743
  - Models relevant to radiation effects on stem cell pools, 25:44881
  - Modification of cellular kinetics by ionizing radiation, 24:34575
  - Radiation effects on steady-state cell populations, 22:36389
  - Recovery of immune responsiveness in lethally-irradiated mice protected with syngeneic marrow cells, 24:34176
  - Restoration of stem cell function after irradiation. IV, 22:28339
  - Some problems on the biological uses of tritiated thymidine, 22:45506 (EUR-3290f-e, pp 39-50)
- LAJTHA, Laszlo G. Radiobiological basis of radiotherapy, 21:4836
- LAJUNEN, Martti Protolytic cleavage of vinyl ethers, 21:10349
- LAKANEN, E. Effects of soil factors on uptake of radiostrontium. II, 25:21645
  - Two-phase extraction technique for determination of soluble trace elements in soil, 23:40547
- LAKANEN, Esko Strontium-90 and ^{137}Cs in some Finnish soil profiles, 23:26781
  - Uptake of radiostrontium by plants. I, 23:47942
- LAKATOS, Katja Effects of impurities on lattice vibrations, 21:46399 (NYO-2391-45)
  - Incoherent neutron scattering from cubic crystals with point defects, 23:3588
- LAKATOS, Stephen Water-pressure effect on fission-track annealing in an alpine muscovite, 24:50460
- LAKATOS, T. Cross sections for ^{141}Pr(n,p)^{141}Ce, ^{141}Pr(n,t)^{139}Ce, ^{142}Ce(n,2n)^{141}Ce, and ^{140}Ce(n,2n)^{139}Ce, 22:48559
  - Effect of visible light and ultraviolet rays on the stimulus threshold of frog muscle sensitized by eosin, 22:17047
  - Silicon semiconductor spectrometer, 25:42112
- LAKCHAURA, Bala Recovery from x-ray and nitrogen mustard inactivation of Escherichia coli by 2, 4-dinitrophenol treatment, 25:55355
- LAKE, Addison A. Design and fabrication of bevatron extraction magnet, 24:30662
- LAKE, Bruce Meno Velocity measurements ahead of semi-infinite body in MHD flow, 24:21651
- LAKE, I. J. S. Reactions of unsaturated hydrocarbons with deuterium on titanium dioxide, 22:2066
- LAKE, J. A. An interior seaway for northern Africa, 24:41555 (CONF-700101-(Vol.2), pp 1643-60)
  - Space-dependent steady-state thermal-neutron spectra in beryllium above the critical buckling, 25:6107
- LAKE, R. Photoelectric magnitudes and colors of southern stars. II, 22:15309
- LAKE, Susanne Biological availability to pigs of radionuclides in Schooner debris, 24:692 (UCRL-50718, pp 59-64)
- LAKE, Suzanne Availability in the dog of radionuclides in nuclear debris from Plowshare excavation Cabriolet, 25:29456

Availability of radionuclides in debris from Plowshare excavation Buggy, 25:35088
Biological availability in dog of radionuclides produced by nuclear event, 24:16951 (UCRL-50703)
Biological availability of radionuclides produced by Plowshare Event Schooner. II, 25:35089
Biological availability of radionuclides produced by Plowshare Event Schooner. I, 25:35090
Biological availability of radionuclides produced by Plowshare event Schooner. III, 25:46690
Body distribution and biological availability of radionuclides produced by Project Schooner, 25:4435
Effects of K, Rb, Diamox, and aldosterone on ^{86}Rb retention in the rat, 23:6361
Effects of K, Rb, Diamox, and aldosterone on ^{86}Rb retention in rat, 24:5983
Excretion rates of Group IA elements in beagles, 22:30936 (UCRL-50405)
Excretion rates of Group IIA elements in beagles, 24:48025 (UCRL-50873)
Fate of fallout ingested by livestock: swine, 24:50686 (UCRL-72589)
Retention and excretion by pigs of radionuclides produced by the Plowshare Event Schooner, 25:55124
LAKES, R. S. Direct measurement of the quantum counting efficiency of RCA C31000E/F photomultipliers at 6328 A, 25:23916
LAKEY, J. R. A. Monitoring system for the assessment of reactor shield performance, 25:57779
Technology of reactor thermal shields. I, 25:36999
Technology of reactor thermal shields. II, 25:48362
LAKEY, L. T. Containment behavior of xenon and iodine under simulated loss-of-coolant accident conditions in the contamination-decontamination experiment, 25:51107 (IN-1394)
Development of a continuous sampler—monitor for the LOFT containment atmosphere, 25:23330 (CONF-700816-(Vol.2), pp 653-67)
Development of Continuous Sampler-Monitor for the LOFT containment atmosphere, 24:41654 (IN-1309)
Electrolytic dissolver for stainless steel alloy nuclear fuels, 21:17716
Fission product behavior under simulated loss-of-coolant accident conditions, 23:23939 (IN-1172)
Migration of ^{137}Cs in granular calcined radioactive wastes, 24:27317 (IN-1365)
LAKEY, R. J. Hazardous materials transportation, 24:22933
LAKH, V. I. Phase equilibria in systems Zr—Re—B and W—Re—B, 22:45789
Systems Hf—W—B, Hf—Re—B, and Nb—Re—B, 25:45135
Ternary systems of Zr—Cr—B and Zr—W—B, 22:4891
LAKHINA, G. S. Low-frequency streaming instabilities in magnetoplasmas, 25:25135
Magnetic stabilization of transverse plasma instabilities, 25:49916
Transverse instabilities in steaming collisional plasmas, 24:51702
LAKHOMOV, L. P. Superhigh-frequency heating of plasma in magnetic field, 23:3440 (NP-17655)
LAKHOTIA, S. C. Dosage compensation in Drosophila, 24:25463
LAKHTIN, Yu. M. Effects of nitrogenation on heat-strength and temperature threshold of brittleness of Mo alloys, 23:5079
Influence of nitrogenation on hardness and wear resistance of molybdenum alloys, 25:37958
Metallurgy and the hot working of metals, 25:8894
Nitriding effects on the properties of molybdenum, 22:13013
LAKIN, N. O. E. Hartlepool AGR: civil engineering aspects, 24:9056
LAKIN, R. Personnel radiation dosimeter, 21:1569 (UCRL-14925-T)
LAKIN, R. W. Atmospheric stability measurements as an aid in disaster planning, 21:12530 (UCRL-50007-66-1, pp 11-14)
Improvements in the solid-state plutonium—alpha air monitor, 21:26161 (UCRL-50228)
Internal insulation of reinforced concrete pressure vessels, 25:51079
Mechanical engineering aspects of concrete pressure vessels for Oldbury, 22:6045
Radiation monitoring and protection system for reactor Triga Mark II, 21:26158 (UCRL-50007-66-2, pp 12-21)
Regulated dc—dc converter provides low standby current for portable radiation survey instruments, 21:43250
LAKIN, Raymond Wallis Nuclear radiation shields, 21:12211
LAKIN, Roger W. Dosimeter incorporating an electrochemical integrating device, 23:2678
LAKIN, W. A. NaI(Tl) spectrometer for γ-rays in GeV range, 22:40455
LAKIN, W. L. Comparison of muon—proton and electron—proton deep inelastic scattering, 25:50050
Determination of inelastic neutron form factor by scattering of 12-GeV muons on H, C, and Cu, 25:12096
Energy loss and straggling in silicon by high-energy electrons, positive pions, and protons, 23:27328
Energy loss and straggling of high-energy muons in NaI(Tl), 22:8353
High energy, small phase-space volume muon beam, 23:19107
Measurements of K/sub L/° and neutron total cross sections, 24:30466
NaI(Tl) total absorption detector for electrons and gamma-rays at GeV energies, 23:29144 (AD-683701)
NaI(Tl) total absorption detectors for strongly interacting particles at GeV energies, 24:4493
Search for fractionally charged particles, 22:20116
Total absorption detector (NaI(Tl)) for electrons and γ-rays at GeV energies, 23:9750
LAKME, Claude Device for the study of bubble flow within a pipe, 21:26057
LAKNER, Endre Improvements in or relating to radiation indicators, 23:20020
LAKNER, J. F. Triaxial compression data on nuclear explosion shocked, mechanically shocked, and normal granodiorite from the Nevada Test Site, 22:16702
LAKNER, John A. Method for producing high density tungsten ingots, 22:6977
LAKNER, John F. Analysis of pressure-temperture influence in tungsten consolidation, 22:28802
Apparatus for permeability measurements under lithostatic conditions, 23:17641 (UCRL-50562)
Bibliography on hydrostatic and fluid-to-fluid extrusion of metals, 22:10926 (UCID-15236)
High-pressure consolidation of submicron tungsten, 21:24733 (UCRL-50172)
LAKOMKIN, Yu. A. Coulomb stripping in wide energy range of emitted protons, 24:33132
Reaction ^{54}Cr(d,p)^{55}Cr at deuteron energies 12 and 6.8 MeV, 22:13984
Study of ^{28}Al nucleus level by means of stripping reaction ^{27}Al(d,p)^{28}Al, 23:25855
LAKOMSKII, V. I. Determining hydrogen content in niobium by high-temperature vacuum heating, 21:45026
Solubility of hydrogen in liquid niobium, 22:52187
LAKOMY, Tadeusz X irradiation on the kinetics of human oviducts in vitro, 21:16464
LAKOSHI, L. High-precision gamma densimeter, 21:1665
Sodium-24 gamma excitation of nuclear isomers, 24:35855
LAKOSI, L. Cross section for isomeric activation of ^{115}In by γ rays, 24:24556
Measurement of multicurie ^{24}Na source by isomeric activation, 24:36591
LAKSHIMINARAYANA, V. Inchoherent scattering of 320-keV photons by K-shell electrons, 21:33137
LAKSHMANAN, A. V. 100-Curie ^{137}Cs unit: physical aspects, 21:8823
LAKSHMANAN, C. Adsorption and desorption of Sr and Ca to and from soils and soil clays, 23:17569
LAKSHMANAN, Sitarama Derivative activation analysis of magnesium, 22:4017
Derivative neutron activation analysis of ferrous and ferric iron, 22:4018
Neutron activation determination of Mg, 23:37926
Survey of chromatographic papers for interfering nuclides in activation analysis, 21:40802
LAKSHMANAN, Sitarana Survey of chromatographic papers for interfering nuclides in activation analysis, 21:35875
LAKSHMANAN, Sitmara Chelate enhancement of the sensitivity for magnesium in neutron activation analysis, 23:31316
LAKSHMANAN, V. I. Extraction of phosphomolybdic acid with quinoline in organic diluents, 23:384
LAKSHMI, D. D. R. Electromagnetic probing of the atmosphere: the upper ionosphere, 25:38212
LAKSHMI, D. R. Nighttime response of the topside ionosphere to magnetic storms, 24:45126
Response of the 1000-kilometer ionosphere to magnetic storms, 23:51474
LAKSHMI, R. V. Coherent K*(890) production off deuterium, 23:14979
Lambda polarization in $K^-n \rightarrow \Lambda\pi^-$ at 4.5 GeV/c, 23:25531
LAKSHMINARASIMHAN, V. Effect of modulated current on etching of tantalum, 23:22473
LAKSHMINARAYANA, J. S. S. Nuclear desalination of sea water and fertilizer manufacture, 23:17656
LAKSHMINARAYANA, V. Angular correlation study on 223-161 keV cascade in ^{133}Cs, 23:11035
Beta decay matrix elements in decay of ^{111}Ag, 21:15553 (CONF-660221-, pp 192-3)
Beta—gamma correlational studies on 1710 keV $\beta \rightarrow$ 86 keV γ cascade in ^{160}Tb, 23:44928
Cascade in ^{193}Ir of 252 to 461 keV, 23:44940
Decay of ^{113}Sn and ^{133}Ba, 25:46081
Decay of ^{99}Mo, 22:32645
Decay of /sup 114m/In with a sum-peak-coincidence scintillation spectrometer, 24:47647
Depolarization effects of detector sizes in gamma-ray polarization measurements, 23:43554
Half-life of 181-keV level of ^{99}Tc, 25:3708
Half-life of the 181-keV level of ^{99}Tc, 23:5940
Incoherent scattering of 1002-keV gamma rays by K-shell electrons in Sn, Sm, Ta, and Pb, 22:43901
Incoherent scattering of 662-keV gamma rays by k-shell electrons of Pb, Ta, Sm, and Sn, 21:5074
K x-ray and gamma-ray angular correlations in decay of ^{153}Gd and ^{186}Re, 25:25732
Lifetime of 531-keV state in ^{147}Pm, 22:32644
Lifetimes of 2^+ and 4^+ states of ^{160}Dy, 21:19250
Lifetimes of the 91- and 531-keV states in ^{147}Pm, 21:44693
Mean life of 343-keV state in ^{111}Cd, 24:38251
Mean life of 538-keV state in ^{103}Rh, 22:27116
Polarization effects in Compton scattering, 22:24041
Polarization effects in inelastic scattering of gamma rays, 21:15252 (CONF-660221-, pp 251-4)
Polarization of elastically scattered gamma rays, 22:22348
Properties of the low energy excited states of ^{197}Au, 21:15550 (CONF-660221-, pp 166-9)
Rayleigh scattering of polarized photons, 22:22647
Spin of the 413-keV state in ^{147}Pm, 22:9879
Structure of 77 keV state of ^{197}Au, 23:49411
Structure of 77-keV state in ^{197}Au, 23:19282
Structure of the 343 keV state in ^{111}Cd, 24:15893
Structure of the 57- and 351 keV states ^{141}Pr, 25:50785
Structure of the 80 and 364 keV states in ^{131}Xe, 25:50784
Sum and sum-peak coincidence spectroscopy, 23:37355
Transitions in ^{97}Nb from decay of ^{97}Zr, 25:48095
LAKSHMINARAYANAN, G. R. Molten salts. I, 24:22620 (NSRDS-NBS-15)
Molten salts. II, 24:22621 (NSRDS-NBS-28)
LAKSO, Gordon Everett Plastic deformation behavior in iron—silicon alloys, 21:31082 (IS-T-128)
LAKTIONOVA, N. V. Determination of microimpurities in Nd, Sm, and Dy oxides, 21:12361
LAKTYUSHIN, V. S. Solubility of Ta, Mo, and W chlorides in titanium tetrachloride, 24:8117
LAKURLI, S. Polarization of hydromagnetic Pc-1 (pearls) oscillations in magnetically conjugated points Sogra (SSSR) and Kerguelen (France), 21:46224
Simultaneous appearance of Pc-1 micropulsation flashes in conjugated points, 21:46225
LAL, A. Bromine isomers under (n,γ) process, 25:2301
Isotope effect in bromine in presence of scavenger, 24:11604
Isotope effect in collection of recoiled products in C_2H_5Br, $C_2H_4Br_2$, and CH_2Br_2, 21:25933
Isotope effect in neutron-irradiated n-butyl bromide, 21:28028
LAL, B. Angular distribution of gamma-rays from ^{59}Co(p,nγ)^{59}Ni and ^{51}V(p,nγ)^{51}Cr reactions, 25:50705
Efficiencies of cylindrical Ge(Li) detectors, 23:4827
Gamma ray response characteristics of Ge(Li) detectors, 24:20997
Gamma rays from ^{55}Mn(p,nγ)^{55}Fe reaction, 22:32553
Gamma rays from the reaction ^{55}Mn(p,nγ)^{55}Fe, 22:1637
Gamma-ray response characteristics of cylindrical Ge(Li) detectors, 24:14257
Mechanism of the ^{51}V(p,n)^{51}Cr reaction, 21:15511 (CONF-660221-, pp 84-8)
Photo- and double-escape peak efficiencies of cylindrical Ge(Li) detectors, 24:9632 (BARC-403)
Reaction ^{51}V(p,n)^{51}Cr, 21:23459
Reactions ^{19}F(p,α_0)^{16}O and ^{19}F(p,α/sub 1+2/)^{16}O, 23:19166
Search for the level at 803 keV in ^{51}Cr, 21:9981
LAL, Chaman Averaged diurnal value of F2-layer critical frequency, 22:26315
Universal components of F_1 layer critical frequency, 23:30404
LAL, D. Activation of cosmic dust by cosmic-ray particles, 22:21945
Chemical composition of nuclei of $Z > 22$ in cosmic rays using meteoritic minerals as detectors, 23:20564
Collecting sample of solar wind, 23:46410
Cosmic ray produced ^{28}Mg, ^{31}Si, ^{38}S, ^{34}Cl, /sup 34m/Cl, and other short lived radioisotopes in wet precipitation, 21:6058
Cosmic ray produced radioactivity on the earth, 22:5177
Cosmogenic ^{10}Be and ^{26}Al in marine sediments, 22:47093
Etch-tracks in meteoritic and terrestrial minerals, 23:5464
Evolution of Kapoeta howardite based on fossil track studies, 25:38043
Fossil tracks in meteorites due to heavy nuclei of cosmic radiation, 24:3207
Man-made ^{14}C in deep Pacific waters, 24:7771
Measurement of tritium activity in natural waters. II, 21:22046
Nuclear effects of solar and galactic cosmic-ray particles in near-surface regions of meteorites, 22:833
Radioactivity of the atmosphere and hydrosphere, 23:9574
Rapid beta gamma coincidence technique for determination of natural radionuclides in marine deposits, 25:39616
Ratios ^{230}Th/^{238}U in ocean, 23:33282
Sensitive and descript β and β—γ counting assemblies, 22:6579
Space irradiation of crystals of gas-rich meteorites, 23:39074
Stratospheric circulation studies based on natural and artificial radioactive tracer elements, 21:6052
Super-heavy elements in extraterrestrial samples, 25:33049
Uranium-234 activity ratios in South Pacific ocean waters, 24:50473
Vertical structure of the troposphere as revealed by radioactive tracer studies, 24:37364
LAL, Gulashan Partitioning of Pu from U by reduction to Pu(III) with ferrous ions and hydrazine, 23:379
LAL, J. B. Characteristics of large-scale ionospheric irregularities, 25:38222
Total electron content of ionosphere at Kurukstetra, 25:38228
LAL, K. Agents protecting skin against acute radiation, 25:58036
Experimental study of post-irradiation renal pathology in rabbits, 24:36826
LAL, K. B. Cylindrical wave solutions of field equations of general relativity containing electromagnetic fields, 25:9873
Emission of deuterons in 24-GeV/c proton interactions with emulsion nuclei, 25:36403
Field equations of general relativity containing electromagnetic fields, 23:36994
Generalization of plane wave solutions of the field equations, 24:28584
Liquid drop model calculation of total prompt gamma energy, total kinetic energy, and scission point deformation of fragment pairs from prompt neutron numbers, 25:50789
Plane wave solutions of Einstein's unified field equations, 24:6758
Solutions of Einstein's unified field equations of gravitation and electromagnetism, 24:5344
Solutions of field equations of Einstein's nonsymmetric unified field theory, 24:5343
Wave solution of generalized Maxwell's field equations, 23:36995
Wave solutions of field equations of unified field theories, 24:28603
Wave solutions of gauge invariant generalization of field theories with asymmetric fundamental tensor at V_2 x V_2 space—time, 24:40477
Wave solutions of Schroedinger's unified field theory in V_2 x V_2 space—time, 24:40480

  Wave solutions of the field equations of general relativity, 24:28604
LAL, K. C. Equivalence of gravitational red shift and temperature shift in Moessbauer effect, 25:59596
LAL, Krishan Defects in Co doped x-irradiated NaCl crystals, 24:30381
  Dielectric relaxation peak in x-irradiated NaCl crystals, 24:24125
  EPR and optical absorption studies of x-irradiated cobalt-doped sodium chloride crystals, 25:1285
LAL, M. Gamma-radiolysis of deaerated cysteine solutions, 24:20799
LAL, Manohar Gamma radiolysis of cysteine in deaerated 1 N $HClO_4$ solutions, 21:28399
  Gamma-radiolysis of reduced glutathione, 23:19804
  Hydrogen peroxide yields in γ-radiolysis of deaerated cysteine solutions, 24:50408 (CONF-690916-(Vol.2), pp 219-21)
  Radiolysis ^{60}Co γ of cysteine in deaerated aqueous solutions at pH values between 5 and 6, 22:10286
LAL, P. Amplification of fundamental plasma mode through nonlinearity, 23:48946
  Consistent form of reduced density matrices of superfluids, 25:17066
LAL, S. Nuclear interaction of cosmic-ray pions and nucleons of energies $>$ 20 GeV. I, 25:43540
  Nuclear interactions of cosmic ray pions and nucleons at energies greater than or equal to 20 GeV. II, 25:53018
  Ratio of pions to protons and ratio of neutral-to-charged interacting particles at 800 gm/cm^2, 25:58834
  Transient nature of the galactic halo, 23:22851
LAL, Siddheshwar Homogeneous metagalactic origin of cosmic rays, 24:23831
  Semi Monte Carlo calculation of the flux of high-energy muons in air showers, 21:20794
  Steady-state flux of positrons and the age of the galactic halo, 24:4968
LAL, Sudarshan Potentiometric studies with a liquid ion-exchange lead-selective electrode, 25:2104
  Potentiometric studies with an ion permselective membrane, 25:28956
LALA, L. K. Tumor localizing agents. IV, 22:36337
LALA, P. K. Cytokinetic control mechanisms in Ehrlich ascites tumor growth, 24:11896
LALAK, Joseph J. Refractory ceramic-to-metal seal, 21:20510
LALANDE, J. ISU: (single-wire induction), 24:38021
LALANNE, C. Pituitary ^{90}Y implantations in advanced breast cancer, 24:7973
LALANNE, C. M. Castration in mammary cancer: surgery or radiation, 21:45730
  Extensive irradiations in Hodgkin's disease: early reactions, 21:10909
  Telecobalt therapy for carcinoma of laryngopharynx, 25:18998
LALANNE, Cl. Immunogenetic and immunological problems of allogeneic hemopoietic radiochimeras in man, 22:51409
LALANNE, D. Device for measuring the luminoisity of Orsay storage ring, 25:36606 (LAL-1249)
  Electron—positron annihilation into $\pi^+\pi^-$, 22:7419 (LAL-1181)
  QED test by e+e- scattering at 2 x 510 MeV, 24:5331 (LAL-1221)
  Study of electron-positron annihilation into $\pi^+\pi^-$ at 775 MeV with the Orsay storage ring, 22:9499
LALANNE, P. Programmable impulse generator for spin—lattice relaxation time measurements in high resolution NMR, 24:11875
LALARGE D'ERVAU, G. Regenerator for gas turbine, 24:36452 (ANL-Trans-833)
LALAS, D. P. Universal stability of hydromagnetic flows, 24:51484
LALAS, Demetrius Panayiotis Crossed-fields magnetogasdynamic flows over conducting bodies, 23:42030
LALAYAN, E. A. X-ray studies of Al rich ternary Al—Cu—Cr, Al—Cu—Zr, and Al—Cr—Zr systems and quaternary Al—Cu—Cr—Zr systems, 22:10990
LALAYAN, V. M. Mercury mass-diffusion column for isotope separation, 21:161
LALE, P. G. Examination of internal tissues by high-energy scattered x radiation, 22:25907
LALERE, J. In-pile loop BANJO, 25:12813 (CEA-CONF-1673)
LALES, J. Computer evaluation of proportional wire chamber designs, 24:36619
  Cross section and polarization in $\pi^+ + p \rightarrow K^+ + \Sigma^+$ from 3 to 7 GeV/c, 23:36846
  Differential cross section of $\pi^+ + p \rightarrow K^+ + Y^*(1385)$ at 4.0 and 5.05 GeV/c, 24:1524
  Digital super-regulation of an on-line time-of-flight system, 22:14812
  Measurement of polarization in $\pi^-p \rightarrow \pi^0n$ and $\pi^-p \rightarrow$ etan, 22:13667
  Use of ASI 6020 in on-line experiments at Argonne, 23:33502 (ANL-7515, pp 233-43)
LALETIN, N. I. Distribution of thermal neutrons in a cylindrical cell, 25:17673
  Green's function for neutron transport, 24:43096
  Use of Laguerre polynomials and related functions in solving thermalization problems, 22:30373
  Use of systems of Laguerre polynomials and associated functions for solution of certain thermalization problems, 22:20419 (JPRS-43682, pp 137-49)
LALIBERTE, L. H. H_2O—D_2O isotope effect in partial molal volumes of alkali metal and tetraalkylammonium salts, 23:2274
  H_2O—D_2O solvent isotope effects in volume and expansivity behavior of some organic and inorganic ions, 25:26259
LALIC, Vera Phagocytic function of RES in starved rats after exposure to fractionated irradiation, 23:35911
LALINSKY, Barbara A. Base-catalyzed deuterium exchange in pyridine N-oxides, 24:22642
LALIT, B. Y. Dependence of ^{90}Sr in milk on its concentrations in air and surface deposition, 22:12235
  Radiostrontium in the air and surface deposition, 23:35336
LALITHA Solutions of MHD boundary layer equations with transverse magnetic field, 23:20761
LALITHA, B. Electron transfer reaction in the radiation chemistry of some biologically important disulphide compounds, 25:31974
LALJEE, H. C. K. Thyrocalcitonin deficiency after treatment of thyroid disorders by surgery or radioiodine, 22:40872
LALL, B. N. Role of radiotherapy in the treatment of keloid, 23:10000
LALL, H. B. Analysis of four-stage aperiodic rf mass analyzer, 23:7899
  Cycle choice, resolving power calculations, and analysis of harmonics of aperiodic rf mass spectrometer, 23:43635
  Electrostatic field analysis and development of a grid for radiofrequency mass spectrometers, 23:20060
  Radiofrequency mass analyzer tube for use as different types of non-magnetic mass spectrometers, 23:20061
LALLEMAND, A. Laboratory studies of four tracers, ^{51}Cr EDTA—^{59}Fe EDTA—^{45}Ca EDTA—$(CN)_2$ ^{110}Ag, 23:446
  Photometry of faint stars, 24:19543
LALLEMAND, Andre Mobility of adsorbates and condensates, effect on isotope separation by gaseous diffusion, 25:6472 (NP-18567)
LALLEMAND-CHATAIN, Simone Cryometric measurement of the distribution coefficients for the trivalent rare earth ions dissolved in the alkaline earth fluorides in solid solution and in igneous molten solution near the limit of infinite dilution, 24:27061
LALLEMENT, R. Contraction of β and delta phases of Pu under the effect of self-irradiation at 4.2°K, 25:8904
  Electrical and magnetic properties of compounds of rare earths and actinides, 22:26498
  Electronic structure of rare-earth monocarbides, 22:24404 (CONF-670502-, pp 635-52)
  Elongation by self-irradiation of α-plutonium at 1.5°K, 24:36942
  Fuel element of reactor Phenix, 25:54092 (A/CONF.49/P-609)
  Magnetic susceptibility of PuO_2, 22:41665
  Monocarbides and mononitrides of the rare earths, 22:42659
  Physical properties of α-Pu and delta-phase alloys at low temperatures, 21:32870
  Study of Ho_2C by neutron diffraction, 21:13273 (LA-tr-66-84)
  Study of length variation of α Pu by autoirradiation at 4°K, 21:28805
LALLEMENT, Robert Effect of density and stoichiometry on oxide fuels behavior, 24:10204
  Existence and structure of rare-earth monocarbides, 21:23857 (CEA-R-3043)
  Experiments conducted at Fontenay-aux-Roses on oxide fuels, 23:52484 (CEA-CONF-1296)
  Length variations of the α, β, and delta phases of plutonium due to self-irradiation at 1.4 and 4.2°K, 24:51182 (CEA-CONF-1619)
  Mechanical properties at high temperature of ceramics based on plutonium, 25:38009 (ORNL-tr-2443)
  Mechanical properties of plutonium-based ceramics at high temperature, 25:11485 (CEA-CONF-1670)
  Thermal diffusivity measurements between 0°C and 2000°C: application to UO_2, 23:27163 (CEA-R-3764)
LALLET, Jean-Paul Detector device for verifying the handling of nuclear fuel, 24:5850
LALLI, Michael F. Action of radiation upon human spermatogenesis, 22:6877
LALLIA, P. Plasma heating at the lower-hybrid resonance, 25:58960 (CEA-CONF-1831)
LALLY, A. E. Analytical procedures used by Bioassay Section at AERE, Harwell, 22:44970 (AERE-AM-103)
  Simultaneous determination of Pu α activity and ^{241}Pu in biological materials by gel scintillation counting, 25:20927 (AERE-R-6640)
LALLY, J. S. Electron microscopy, 22:25362
LALMANI Very low frequency (vlf) emissions at low latitudes, 25:38224
LALOE, Franck Evidence of electron orientation in excited states of ^{3}He obtained from nuclear orientation in ground state, 22:15337
  Measuring hyperfine structure of excited atomic levels, 24:1269
  New value for the metastability exchange cross section in helium, 25:52653
  Orienting excited atomic levels by optical pumping, 24:35171
LALOEE, F, Static magnetic field produced by oriented nuclei of ^{3}He, 23:23261
LALOEE, Franck New method allowing orientation and alignment of various excited levels of ^{3}He, 22:47815
LALONDE, L. M. Incoherent backscatter observations of sporadic E, 21:2120
LALOR, Eamon New model for the interaction between a moving charged particle and a dielectric, and the Cherenkov effect, 25:43588
LALOR, Fergus J. Nucleophilic substitution at tetrahedral boron. Methylamine—diarylborane substrates, 25:41804
LALOU, C. Study of marine transgressions on a Pacific atoll by means of ^{14}C and ^{234}U/^{230}Th ratio, 22:6465
  Use of low-level α spectrometry in the determination of elements occurring in traces in natural mineral substances, 25:10477
LALOU, Claude Damage created in calcite crystals by radiation, 23:39067
  Geochemical behavior of isotopes in U and Th families in grotto concretions, 24:311
  Measurement of U and Th content, by alpha spectrometry, for the dating of corals, 21:34237
  Simultaneous determination of the isotope ratio ^{234}U—^{238}U, 24:2143
  Thermoluminescence induced in thick targets by 3 GeV protons, 25:36298
LALOUM, M. Decay asymmetry of the K^- π^+ system in K^- nucleon interactions at 3 GeV/c, 24:3549
LALOVA, M. Characteristics of the estrous cycle after x irradiation of the diencephalon region in female rats, 25:44927
LALOVIC, B. Dual element, coaxial, Ge (Li) gamma ray spectrometer, 21:6273
  Evidence against proposed high-spin levels at 3660 and 2824 keV in ^{44}Ca, 22:50589
  Ge(Li) counter investigation of the gamma-ray decay of ^{28}Si produced in the reaction ^{27}Al(p,γ)^{28}Si, 21:5516
  Large, multiple element germanium spectrometers, 21:32462
  Measurements of the Fano factor in germanium, 25:37597
  Multiple-detector arrays, 23:22080
  Study of the neutron-^{3}He interaction at 14.4 MeV, 21:2604
LALOVIC, D. Pomeranchuk singularity in the Veneziano model and unitarity, 25:28020
LALOVIC, D. I. Is CP invariance violated, 23:5585
LALOVIC, M. Energy distribution of Sb—Be photoneutrons, 24:40543
  Fast-reactor spectrum investigations on the facilities SUAK and SNEAK at Karlsruhe, 22:4432
LALOY, Paul Determining position of a radioactive source, 25:18567
LALU, Pierre Work with radioactive material in glove boxes on the industrial scale, 23:31508 (CEA-CONF-1255)
LAM, C. M. Electron beam therapy as a method of treatment of nasopharyngeal carcinoma, 23:6540
LAM, C. S. Behavior of very-high-order perturbation diagrams, 22:32205
  Boundary conditions of Feynman path integrals, 21:9842
  Complex angular momentum and Regge asymptotic behavior of Virasoro model, 24:13206
  Dual-resonance model with unequal intercepts, 25:59441
  Energies of "s" eigenstates in a static screened Coulomb potential, 25:55884
  Feynman-parameter representation of old-fashioned perturbation diagrams, 23:15231
  Feynman-parameter representations for momentum- and configuration-space diagrams, 23:15233
  Flat proton spectrum and its implications, 25:59511
  High-energy behavior of Feynman diagrams via electric-circuit analogy, 23:34649
  Internal-labeling problem, 24:8689
  Meson spectrum from Veneziano model and other consequences, 24:45508 (IC-70/85)
  Meson spectrum from Veneziano model and other consequences, 25:40986
  PCAC and chiral commutation relation, 24:26471
  Photoproduction of charged pions in Veneziano model, 25:40926
  Proceedings of 1967 summer institute in nuclear and particle physics, Montreal, 8/67, 22:48250
  Renormalization procedure in Feynman-parameter representations, 23:15232
  Stationary phase approximation of Feynman path integrals, 21:15411
  Stationary-phase approximation of Feynman path integrals. II, 21:37725
  Veneziano models for $\pi\pi \rightarrow$ eta + boson of any spin, 25:1501
LAM, Carroll F. CsI—NaI dual-crystal compton reduction detector, 21:12313
LAM, D. J. Crystal structure of americium sesquicarbide, 24:42268
  Crystal structures of Am—Sb, Am—Se, and Am—Te alloys near equiatomic composition, 25:6910
  Crystal structures of several intermetallic phases of Np and Pu alloys with Sb, Se, and Te, 25:30002
  Crystal-field effect and magnetic properties of NaCl-type actinide compounds, 25:11994
  Effect of C on magnetic properties of NpC, 25:47661
  Equiatomic ternary compounds of U and Al with group VIII transition elements, 21:16618
  Hyperfine field of ^{237}Np in NpO_2, 22:50240
  Hyperfine fields in NaCl-type actinide compounds: the crystal field and relativistic effects, 25:49996 (CONF-710712-2)
  Hyperfine interaction and susceptibility in some actinide metals and intermetallic compounds, 23:30668
  Magnetic and nuclear-resonance properties of single-crystal scandium, 23:44569
  Magnetic behavior of conducting Am systems, 25:27922
  Magnetic properties of dilute alloys of scandium, 25:27878
  Magnetic properties of plutonium monophosphide, 24:10641
  Magnetic susceptibilities of hexagonal Tc—Ru, Tc—Rh, and Ru—Rh alloys, 25:19874
  Magnetic susceptibility of Np oxide and carbide between 4.2 and 350°K, 21:20571
  Magnetic susceptibility of single-crystal alpha-uranium, 22:11552
  Magnetic susceptibility of the monocarbides of uranium and plutonium, 21:32873
  Magnetization and NMR study of Sc—Gd alloys, 23:8689
  Nuclear gamma-ray resonance study of hyperfine interactions in ^{238}U, 23:49010
LAM, Dong-hoa Electromagnetic pulse scattering in time-varying inhomogeneous media, 24:3429
LAM, Ernest Yee Yeung Photodimerization of cyclohexenone and radiation chemistry of benzophenone, 23:6163
LAM, F. L. Repair and damage by mercaptans in ^{60}Co γ-ray irradiation of organic compounds in aqueous solution, 25:26291
LAM, K. S. Theoretical investigation of absolute neutron detection, 22:10537 (AAEC/TM-403)

LAM, L. Calculation of production of pions by 450-MeV protons on nuclei, 22:35388
  Dirac electron in orthogonal electric and magnetic fields, 24:26344
  Dirac electron in parallel electric and magnetic fields, 24:40204
  New exact solutions of Dirac equation, 24:47400
LAM, L. K. M. Some observations on isotopic scramblings accompanying acetolysis in the 2-norbornyl system, 25:23576
LAM, Lui Motion in electric and magnetic fields. I, 25:19950
LAM, S. H. Capabilities of the cold-ion approximation in collisionless plasma flows, 21:29280
  Collisionless flow of a plasma mixture, 24:17936
  Far-wake structure in rarefied plasma flows past charged bodies, 25:9478
  One-dimensional static pinch solutions, 22:3081
  Similarities between ion waves in plasmas and gravity waves in incompressible fluids, 25:27806
LAM, S. K. Further results for the symmetric quarter space Milne's problem, 25:33377 (CONF-710107-, pp 325-47)
  Milne's problem for two-dimensional transport in a quarter space, 25:59112
LAM, S. T. Ge(Li) detectors as gamma-ray polarimeters, 24:50583
  Lifetime of the 8.543-MeV level of ^{28}Si, 23:37158
  Liquid He polarimeter for fast neutrons. I, 22:28230
  Polarization of neutrons from the reaction ^{28}Si(d,n)^{29}P at E/sub d/ = 5.0 MeV, 23:1829
  Reaction ^{40}Ca(d,n)^{41}Sc, 23:44879
  Resonance in ^{27}Al(p,γ)^{28}Si, 25:36699
  Study of 4.509-MeV state in ^{27}Al by reaction ^{26}Mg(p,γ), 22:44643
  Study of the 1459-keV level in ^{19}F by the ^{19}F(p,p'γ)^{19}F reaction, 24:26590
LAM, W. New measurements of (π^+,2p) reactions on light nuclei, 25:59709 (LA-DC-12389)
LAM, W. C. Cross sections for (π^+,p) reactions on ^{9}Be, ^{12}C, and ^{16}O, 25:59710 (LA-DC-12781)
LAM, W. S. Electromagnetic pion form factor and the rho-resonance, 24:49399
  Pomeranchuk violating amplitude in pion nuclear scattering, 24:21984
  t = 0 kinematical constraints and exchange of quantum numbers in elastic scattering, 25:33879
  Unitarity corrections to pole dominance in spectral-function sum rules, 22:50386
LAM, Wing-chee Neutron emission following radiative pion capture in complex nuclei, 25:31215
LAM, Yuk-ming P. Baryon octet masses in broken SU(3) x SU(3), 23:49190
  C, P, T, and general first and second order partial differential relativistic wave equations, 23:8764
  Dispersion theory and current algebra, 25:17402 (COO-264-561)
  Dispersion theory and current algebra, 25:53041
  Phenomenological Lagrangian model of chiral SU(3) x SU(3) for mesons and baryons with symmetry breaking, 24:10801 (COO-264-527)
  Phenomenological Lagrangian model of chiral SU(3) x SU(3) for mesons and baryons with symmetry breaking, 25:9794
  Quantisation of first or second order partial differential relativistic wave equations, 23:15194 (COO-264-464)
LAMACHE-DUHAMEAUX, Myriam Polarography and electrolytic reduction of hexavalent molybdenum, 23:17418
LAMADE, Wanda Irradiation of potatoes, 23:43932
LAMAIN, H. Diagnostics by Mach—Zehnder interferometry of plasma produced by laser irradiation of thin foils, 22:7266
  Expansion in a magnetic field of a plasma created by laser irradiation of a solid, 23:3517
  Experimental investigation of the production and containment of a laser-produced plasma, 24:35444
  Plasma created by laser irradiation of spherical targets, 23:42330
  Plasma of cesium, 22:5379
LAMAIRE, M.-C. Low-lying many-quasiparticle states in nickel isotopes, 24:35844
LAMANNA, U. Preferential orientations for vibrational—translational energy transfer, 24:49027
LAMANTIA, Charles R. Thermodynamics of system potassium/mercury, 22:17102 (CU-2660-34)
LAMAR, Carlos Jr. Comparative effects of actinomycin and ionizing radiation on enzyme synthesis in mammalian cells in vivo, 23:909
LAMAR, G. N. Proton magnetic resonance shifts in bis(cyclooctatetraenyl) U(IV), 25:29085
LAMARCHE, J. L. G. Sensitivity of nuclear emulsion at very low temperature, 25:57829
LAMARCHE, L. Spectroscopic study of ^{47} ^{49} ^{51}V with (^{3}He,d) reaction at 10 MeV, 21:44652
LAMARCHE, Valmore C. Jr. Prog. rpt. on history of bristlecone pine treeline, 6/69—2/70, 24:18822 (COO-2056-1)
LAMARSH, John R. Thermal utilization in noncylindrical reactor cells containing a cylindrical fuel rod, 23:11338
LAMASTRA, A. Report of a failure of a commercial x-ray diffraction shutter status system, 25:37697
LAMATY, G. Beta-deuterium isotope effect in solvolysis of α-phenyl ethyl chloride, 22:12310
  Effects of deuterium substitution on the rates of organic reactions. XI, 22:12326
  Secondary isotope effect of deuterium in composition of bisulfite combination of 4-tert-butylcyclohexanone, 23:40621
  Secondary kinetic deuterium isotope effects in nucleophilic addition reactions to carbonyl compounds. I, 22:27667
LAMAZE, G. P. Angular correlation study of low-lying levels of ^{30}P, 25:12480
LAMB, A. N. Jervis Bay Nuclear Power Station project investigations at site J.S1-Scottish Rocks, 25:15336 (NP-18636)
LAMB, Adrian Permanent destruction of eyelashes by radiotherapy, 21:28568
LAMB, C. E. Sampling, sample dissolution, evaporation, and combustion, 24:26915
LAMB, D. Dimensional changes of graphite specimens irradiated in dragon fuel element 700. project dragon, 25:4884 (DP-Report-556(Pt.1))
LAMB, D. N. Development of overcoating process for fuel cartridge manufacture, 24:48873 (DP-Report-369)
LAMB, D. Q. Statistical models based on Fermi model, 25:30764
LAMB, David Norman Forming nuclear fuel bodies, 21:45992
LAMB, E. Preparation of multigram quantities of ^{242}Cr for SNAP-11, 23:24255
LAMB, Emmet Ovarian function in man, 23:18123
LAMB, Eugene ORNL isotopic power fuel quarterly report for period ending June 30, 1971, 25:57658 (ORNL-4723)
  Prog. rpt. on isotopic power fuels, 12/69, 24:20949 (ORNL-4533)
  Prog. rpt. on isotopic power fuels, 3/70, 24:36507 (ORNL-4567)
  Prog. rpt. on isotopic power fuels, 6/70, 24:46435 (ORNL-4597)
  Prog. rpt. on isotopic power fuels, 12/70, 25:23739 (ORNL-4663)
  Prog. rpt. on isotopic power fuels, 3/31/71, 25:41993 (ORNL-4692)
  Prog. rpt. on ORNL isotopic power fuels, 9/30/70, 25:8427 (ORNL-4639)
LAMB, F. C. Distribution of strontium and calcium in vegetable and fruit crops, 22:28521
  Strontium and calcium distribution in vegetable and fruit crops and criteria for use of fallout-contaminated foods, 22:38225
LAMB, F. K. Line formation in magnetic fields, 24:35095
LAMB, Herbert C. Prog. rpt. on family shelter, wood A-frame, final, 10/8/65, 21:8777 (AD-629736)
  Ultimate strength of chopped wire reinforced small scale mortar slabs, 21:28179 (PSDC-TR-19)
LAMB, J. A. Economics of transportation: uranium hexafluoride, 25:48824 (CONF-710801-(Vol.1), pp 302-21)
LAMB, J. F. Recoil synthesis of high specific activity ^{11}C-cyanide, 25:54683
LAMB, James F. Preparation of isotopic oxygen targets, 24:11480
  Rapid, nondestructive method of fluorine analysis by ^{3}He activation, 25:23537
  Simultaneous determination of ^{18}O and ^{16}O isotopes by ^{3}He activation analysis, 22:1965 (UCRL-17812)
  Surface profile analysis by ^{3}He activation, 24:22615
LAMB, James Francis Radioactivation by ^{3}He bombardment, 24:2152 (UCRL-18981)
  Radioactivation by ^{3}He bombardment: a practical analytical system, 25:15546
LAMB, Jimmy D. Application of a differential interferometer to an axially symmetric arc heated plasma, 21:7185 (AD-633646)
  Application of a differential interferometer to an axially symmetric arc heated plasma, 21:23160 (ARL-66-0222)
LAMB, K. P. Uptake and excretion of ^{131}I by Aphis fabae, 21:32593
LAMB, Lloyd T. Ultrasonic thickness measurement for precision control of machine tools, 23:38343 (BNWL-1022)
LAMB, M. J. Mutagenic effect of 600 MeV protons in Drosophila melanogaster, 21:36546
  Mutagenic effect of 600-Mev proton irradiation, 21:22739
LAMB, Marion J. Effect of radiation on small competing populations of Drosophila melanogaster. IV. Changes in longevity, 25:57961
  Radiation-induced life-shortening in Drosophila, 24:9919
  Relationship between age at irradiation and life-shortening in adult Drosophila, 22:43407
  Relative effectiveness of fast neutrons and x-rays in Drosophila, 21:36542
LAMB, R. C. Construction and operation of the Argonne pion focusing horn, 21:30079
  Elastic scattering of negative pions from deuterons at 2.01, 3.77, and 5.53 GeV/c, 23:32631
  High-energy pion—deuteron elastic scattering, 23:7085 (COO-1764-18)
  Interpretation of 2- to 5-GeV/c π^-p $\rightarrow$ π^0n polarization data by use of interference model, 22:15801
  Levels of ^{51}V and ^{55}Mn via (n,n'γ) reactions, 22:7673
  Measurement of polarization in π^-p $\rightarrow$ π^0n and π^-p $\rightarrow$ etan, 22:13667
  Measurements of π^-p elastic scattering from 1.71 to 5.53 GeV/c, 25:3280
  Measurements of π^-p elastic scattering from 1.71 to 5.53 GeV/c, 25:9652 (COO-1764-112)
  π^-p elastic scattering at 2.51, 2.76, and 3.01 GeV/c, 23:44606
  Search for quarks in cosmic rays, 21:2367
LAMB, Richard C. Inelastic neutron scattering from Fe, Al, and Mn, 25:17813
LAMB, W. Luminescence, electron paramagnetic resonance, and optical properties of lunar material, 24:21545
LAMB, W. A. S. High-vacuum trapping experiments in new Astron with resistors, 22:26354 (UCID-15305)
  Livermore high intensity electron storage ring, 25:50201 (UCRL-73146)
  Observations of precessional motion in new Astron tank in high vacuum regime, 22:39035 (UCID-15346)
  Report of the working group on injectors, 22:46587 (UCRL-18103, pp 101-5)
  Theoretical and experimental results on trapping and behavior of E-layer in Astron, 22:41541 (UCRL-70933)
  Trapping and behavior of the E-layer in the Astron, 23:32492
LAMB, W. E. Jr. Measurement of level shift in He$^+$, n = 3, 25:30263
  Measurement of the 2^{2}S/sub ^{1}/$_2$/—2^{2}P/sub ^{1}/$_2$/ interval in atomic H, 23:18420
LAMB, William H. Jr. Empirical mass formula for baryons, 22:5585
LAMB, William Horton Jr. Hadron production in nucleon—nucleon collisions near 800 gev, 23:5530
LAMB, Willis E. Jr. Fine-structure measurement of singly ionized H, n = 4, 25:16785
  Nonrelativistic quantum mechanics, 23:27722
LAMBA, C. M. Analysis of ^{12}C + ^{3}He reactions in optical and statistical models, 23:19165
  Compound nucleus levels of ^{52}Cr, 22:32532
  Counter telescope for use in the study of neutron induced reactions, 25:48989
  Fluctuation analysis of the reaction ^{51}V(p,p)^{51}V, 22:27064
  Isobaric analogue states in ^{73}As, 23:42904
  Multichannel analyzer data processing by CDC-3600, 21:14495 (CONF-660221-, pp 356-9)
  Reaction ^{19}F(d,α)^{17}O, 23:19169
  Reaction ^{19}F(d,α)^{17}O, 24:33117
  Statistical analysis of the reaction ^{51}V(p,p)^{51}V, 22:20529
  Study of ^{3}He-induced reactions on ^{12}C, 23:7237
LAMBACHER, Adolf Electrical equipment for nuclear energy plants, 21:35598
LAMBDIN, F. Discontinuous carbon—carbon composite fabrication, 24:30025 (Y-1719)
  Fabrication of carbon—carbon composites using electrostatic fiber deposition (flocking), 25:41711 (Y-1786)
  Fabrication of graphite fiber reinforced graphite composites, 23:14380 (Y-DA-2679)
  Fiber-reinforced graphite composite fabrication and evaluation, 23:46109 (Y-1684)
LAMBE, L. A. Nuclear energy in Canada, 23:43228 (CONF-670338, pp 229-41)
LAMBEIN, F. Isolation and characterization of 2-(β,D-glucopyranosyl)-4-alanyl-3-isoxazolin-5-one: a second uv-sensitive heterocyclic α-amino acid from Pisum sativum L, 24:44439
LAMBEK, R. H. Electrodeposition of Pu for alpha pulse height analysis of ^{236}Pu in ^{239}Pu, 23:28721 (MLM-1621)
LAMBELIN, G. Continuous blood monitoring of hard beta-emitting isotopes, 23:43553
  Simultaneous determination of ^{3}H and ^{35}S, 23:9321
LAMBERG, B.-A. Treatment of toxic nodular and diffuse goitre with radioactive iodine, 24:48650
LAMBERG, Stanford I. A new photosensitizer: the artificial sweetner cyclamate, 22:23570
LAMBERIEUX, J. Calculation of the response of Bramblett—Bonner spheres, 25:381
  Dosimetry in nuclear accidents, 25:11079
LAMBERS, Rolf Film dosimetry of high-energy rays. IV, 25:42396
LAMBERT, B. E. Cytological damage produced in the mouse testes by tritiated thymidine, tritiated water and x-rays, 23:48206
  Radiation doses resulting from the administration of tritiated folic acid and tritiated water to the rat, 21:24438
  Radiation doses resulting from the ingestion of tritiated thymidine by the rat, 22:45521
LAMBERT, Brent W. Effects of ionizing irradiation on lens cation permeability, transport, and hydration, 23:29752
LAMBERT, Ch. Gas chromatography and its application to analysis for detection of traces, 24:38706 (DP-Report-253)
LAMBERT, D. L. ^{13}C/^{12}C ratio in solar photosphere, 22:17316
  Absorption lines of neutral silicon in the solar spectrum, 22:28989
  Abundance of chlorine in Sun, 23:1122
  Abundance of chlorine in Sun, 25:58593
  Abundance of helium in the sun, 21:33090
  Abundances of elements in solar photosphere. VII, 23:12486
  Abundances of elements in the solar photosphere. V, 22:43825
  Abundances of elements in the solar photosphere. VI, 22:43832
  Abundances of the elements in the solar photosphere. II, 22:23932
  Abundances of the elements in the solar photosphere. III, 22:23933
  Abundances of the elements in the solar photosphere. I, 22:23956
  CN red system in the solar spectrum, 22:38678
  Convective motions in solar photosphere, 22:29063
  Dissociation equilibrium of H$^-$ in stellar atmospheres, 23:10335
  Emission (lambda 4097.3 NIII) in the chromospheric spectrum, 25:27373
  Excitation of forbidden coronal lines. I, 24:10286
  Excitation of the forbidden coronal lines. II, 24:23672
  Forbidden C I lines in the solar spectrum, 22:913
  Forbidden line [Ca II] lambda 7323 in the Fraunhofer spectrum, 24:10306
  Forbidden lines of Ca II in photospheric spectrum, 23:32110
  Forbidden lines of NiIV in the spectrum of RR Telescopii, 24:8264
  Forbidden sulfur I lines in solar spectrum, 23:25111
  Identification of NiH in sunspot spectrum, 25:30173
  Intrinsic reddening of ETA Carinae, 23:41805
  Radiation pressure and the composition of the solar corona, 22:41203
  Review of models of photosphere and low chromosphere, 25:49644
  SiH band in Fraunhofer spectrum, 24:35107
  Simplified model solar atmosphere, 22:17281

- LAMBERT, E. Study of π^--mesic atoms by means of scattering lengths, 25:9791
- LAMBERT, F. Dynamical calculation of the Roper resonance, 24:20171
  - Myelo-restorative capacities and immunocompetence of bone marrow cells of the mouse cultivated in vitro, 25:26942
- LAMBERT, F. J. Jr. Evaluation of seat materials for pressurizer steam relief valve, 21:16045 (Y-EF-22)
- LAMBERT, G. Balance of ^{90}Sr over Antarctica, 25:54788
  - Dating of snow samples of border of Antarctica by measurement of natural and artificial radioactivity, 22:18916
  - Possibilities of using ^{210}Pb as an atmospheric tracer, 21:6049
  - Use of low-level α spectrometry in the determination of elements occurring in traces in natural mineral substances, 25:10477
- LAMBERT, G. A. Superheat expulsion in single and multipin channels, 24:7109
- LAMBERT, George A. Liquid film thickness for single-bubble slug ejection, 25:41479
- LAMBERT, Gerard Comparison of vertical distributions of ^{222}Rn from 0 to 4,500 m above Atlantic Ocean, Antartica Continent, and Paris region, 22:17511
  - Correction for "atmospheric" argon in dating rocks by K—Ar method, 21:6019
  - Correlations between ^{210}Pb atmospheric abundance in Terre Adelie and solar activity, 25:30171
  - Correlations between ^{210}Pb deposit in Antarctic and fluctuations in Earth's magnetic field, 25:29211
  - Geographic variations of the large-scale vertical exchange speed, 24:31490
- LAMBERT, I. Isotopic enrichment by bithermal exchange, 23:45395
- LAMBERT, I. B. Estimates of the crustal abundances of Th, U, and K, 23:24324
  - Heat flow and surface radioactivity measurements in Precambrian shield of western Australia, 22:25521
  - Vertical distribution of U, Th, and K in continental crust, 21:19776
- LAMBERT, Irma Isotope exchange process between the ammonia or an amine and the hydrogen, 25:51603
  - Isotopic exchange between some hydrocarbons and molecular hydrogen catalyzed by organoalkaline derivatives, 24:41309
  - Process of isotopic enrichment by bithermal exchange NH_3—H_2, 24:4364
  - Purification process of isotope exchange agents or adjuvants to isotope exchange agents used in heavy water production, 25:51602
- LAMBERT, J. Method for the economic study of the benefits of desalination in satisfying the need for water, 25:51666 (A/CONF.49/P-589)
- LAMBERT, J. A. Monte Carlo calculations of configurational entropies in interstitial solid solutions, 23:14405
- LAMBERT, J. D. B. Examination of irradiated nuclear fuels. I, 22:17188
  - Examination of irradiated nuclear fuels. II, 22:27497
  - Examination of irradiated nuclear fuels. III, 22:43670
  - Irradiation behavior of UO_2 particles in cermets, 21:20597
  - Irradiation behavior of UO_2—stainless steel cermets between 550 to 700°C, 21:39703
  - Irradiation study of UO_2—stainless steel and (Pu,U)O_2—stainless steel cermet fuels in rod and plate geometry, 21:14918
  - Irradiation study of UO_2—stainless steel and (Pu,U)O_2—stainless steel cermet fuels, 23:8359
  - Microstructural effects in irradiated uranium dioxide due to the formation of fission products, 21:14917
  - Performance of mixed-oxide fuel elements, 25:34371
- LAMBERT, J. E. Fuel latch design, 25:10224
- LAMBERT, J. M. Reaction ^{11}B(p,α_1)^{8}Be(α_2)^{4}He with E/sub p/ < 1400 keV, 24:45737
  - Reaction mechanisms of ^{10}B(d,α)^{8}Be$_2$,(α)^{4}He for E/sub d/ = 0.4, 1.0, and 1.5 MeV, 25:56673
  - Reactions ^{7}Li(α,t)^{8}Be(α)^{4}He and ^{7}Li(α,α')^{7}Li*(t)^{4}He, 25:17733
- LAMBERT, J. P. F. Analysis of nutrient broth by neutron activation analysis, 22:51408
  - Determination of V by neutron activation analysis, 24:122
  - Determination of vanadium by neutron activation analysis at nanogram levels to formulate a low-vanadium diet, 25:8228
  - Neutron activation analysis of selenium in biological samples, 23:47407
  - Neutron activation analysis program of the food and drug administration, 25:8227
- LAMBERT, Jacques Industrial applications of radiation, 23:50051
- LAMBERT, James Euan Latches for fuel bundles, 24:50247
- LAMBERT, James M. Charged particle nuclear physics experiments for a teaching laboratory, 25:3464 (CONF-700322-, pp 1-19)
- LAMBERT, John B. Process for making dispersions of particulate oxides in metals, 23:12398
- LAMBERT, Joseph P. F. Determination of zinc in pharmaceutical products by neutron activation analysis, 25:29029
  - Rapid determination of aluminum in pharmaceutical dosage forms by neutron activation, 24:36187
  - Rapid neutron activation analysis in food and drug applications, 24:38775 (PRNC-135, pp 201-12)
- LAMBERT, M. Apparatus enabling the study of point defects in solids by x-ray scattering, 21:19999 (UCRL-Trans-10092)
  - Covalent interaction in process of M$^+$-center formation, 21:37579
  - Creation of F centers in LiF between 77° and 600°K, 23:39550
  - Description of a gas target for study of nuclear reactions, 21:33837
  - Electron spin resonance in liquid lithium, 25:52975
  - Excited states (9485, 9490, 9613, and 9670 keV) in ^{15}O, 21:19182
  - Excited states of ^{21}Na in the neighborhood of 5 MeV,- 23:39996
  - Excited states of ^{21}Ne by ^{20}Ne(d,p)^{21}Ne, 22:26977
  - Excited states of ^{21}Ne, ^{22}Ne, and ^{23}Ne, 24:43277
  - Excited states of ^{23}Ne by ^{22}Ne(d,p)^{23}Ne, 22:26978
  - Formation of F, M, and R centers in Li fluoride, 23:51784
  - Hole and negative-parity states in asymmetric-core collective model for odd-A nuclei in 2s—1d shell, 24:30933
  - Isobaric analog states of ^{15}N and ^{15}O, 22:13948
  - Mechanism of the transformation of crystalline quartz into amorphous silica by neutron irradiation, 21:40107
  - Neon-20(d,p)^{21}Ne and excited states of ^{21}Ne, 22:27031
  - Neon-22(d,p)^{23}Ne angular distributions at E/sub d/ = 3 MeV for the first excited levels of ^{23}Ne, 21:17330
  - Nitrogen-14 at E/sub d/ less than or equal to 2.2 MeV, 21:17310
  - Nitrogen-14(d,d)^{14}N and ^{14}N(d,p)^{15}N angular distributions and excited states of ^{15}N, 23:17083
  - Radiation effects on lithium fluoride single crystals, 21:23256 (UCRL-Trans-10091)
  - Reaction ^{22}Ne(p,p), ^{22}Ne(p,p'), and excited states of ^{23}Na, 25:31281
  - Reactions ^{12}C(d,d), ^{12}C(d,p$_0$), and ^{12}C(d,p$_1$), 25:31222
  - Reactions ^{22}Ne(p,p) and ^{22}Ne(p,p'), 25:17762
  - Resonance and direct reaction interference in (d,p) reactions at low energies, 22:26896
  - Spins and parities of 9485, 9490, 9613, and 9670-keV levels of ^{15}O, 21:31722
  - Structure and properties of lithium fluoride irradiated with neutrons at low temperatures, 21:12445 (UCRL-Trans-10085)
  - Study of certain excited states of nuclei ^{21}Ne(E/sub ex/ = 4.728 MeV), ^{22}Ne(E/sub ex/ less than or equal to 5.633 MeV), and ^{23}Ne(E/sub ex/ = 3.22 MeV), 24:3889
  - Study of muscovite mica irradiated by argon ions, 24:42781
  - Study of muscovite mica irradiated by argon ions, by x ray scattering at small angles, 25:44606
  - Study of reactions (d,α) on ^{14}N at E/sub d/ less than or equal to 2.2 MeV, 21:33885
  - Study of the effect of dead time on measurements with a multichannel analyzer, 21:17930
- LAMBERT, M. E. Determination of H in irradiated Zr alloys, 22:39991 (TRG-Report-1669)
- LAMBERT, Marcel H. Calorimetric determination of the density of electronic states in α-phase indium alloys. I, 25:22635
  - Density of electronic states in α-phase In alloys containing Cd and Sn, 25:3205 (UCRL-19681)
- LAMBERT, Marianne Metallic—lithium precipitation in lithium salts irradiated with thermal neutrons, 22:36973 (UCRL-Trans-10246)
  - Structural defects in neutron-irradiated lithium fluoride, 22:36974 (UCRL-Trans-10247)
- LAMBERT, Michel Excited states of ^{23}Ne, 21:42581
  - Method of determining the spectroscopic factors from (d,p) reactions below the Coulomb barrier, 22:20469
  - Reaction ^{20}Ne(^{3}He,p)^{22}Na at 3 MeV, 21:46694
  - Reactions ^{22}Ne(d,p)^{23}Ne and ^{22}Ne(d,α)^{20}F at 2 MeV, 21:4265
  - Study of the reactions ^{20}Ne(d,p)^{21}Ne and ^{20}Ne(d,α)^{18}F at 2 Mev, 21:1059
- LAMBERT, P. Effect of hydraulic problems on the design of sodium-cooled fast reactors, 24:46032 (CONF-700307-3)
  - Rise of active water flow in Osiris reactor pool, 24:26809 (NP-tr-1886)
  - Rise of active water flow in the Osiris reactor pool, 23:43150
- LAMBERT, P. G. On-line measuring system using visual displays for operator guidance, 25:13237 (CERN-70-21(Vol.1), pp 39-46)
- LAMBERT, R. Incorporation of radiosulphate in gastric mucosa of rat, 23:16242
- LAMBERT, R. H. Temperature dependence of hyperfine pressure shifts. I, 24:23753
- LAMBERT, R. J. Mathematics and Computer Division, 25:17326 (IS-2300, pp 90-100)
  - Mathematics and computer science division, 21:42846 (IS-1600, Paper 4)
  - Mathematics and computer science division, 23:2156 (IS-1900, Paper 4)
  - Use of man-computer interaction in root-finding and numerical problem-solving, 25:3955 (IS-2416)
  - User error analysis and automatic correction for compiling, 24:53042 (IS-2411)
- LAMBERT, R. J. W. Preventive medicine in the nuclear submarine programme, 25:18972
  - Problems of radiation and hygiene in enclosed spaces: submarines, 23:4959
- LAMBERT, Ray W. Fluidized-bed applications in the midwest fuel recovery plant, 25:46553
- LAMBERT, Roy Anthony Differential elastic scattering of 3.15 MeV neutrons by Al, S, V, and Co, 21:17336
- LAMBERT, W. Distribution of heat and pressure on SNAP 19 fuel capsule in hypersonic flow, 21:28169 (MND-3607-93(Vol.1))
- LAMBERTH, Charles Thomas Preparation of metal oxide microspheres, 23:39022
- LAMBERTH, Charles Thomas Jr. Method for preparing microspheres, 25:49521
- LAMBERTH, W. J. Computer acquisition of nuclear data, 25:15979
- LAMBERTI, Joseph M. Design and operation of magnetohydrodynamic generator facility, 23:20739 (N-68-37259)
- LAMBERTIN, Michel Reaction kinetics of the sulfurization of the pulverulent tungsten by sulfur vapor at very low pressure, 24:30029
- LAMBERTS, H. B. Radiation effects on the connective tissue matrix, 23:35648
  - Some practical consequences of the x-ray depolymerisation of the connective tissue matrix, 23:35649
- LAMBERTSON, G. R. Control of the closed orbit in synchrotrons by displacement of magnets, 22:3563 (UCRL-17796)
  - Electron-ring accelerator program at Berkeley, 25:25578 (UCRL-20150)
  - Extendible-energy synchrotrons, 21:44488
  - Forming intense rings of electrons suitable for the acceleration of ions, 23:19099
  - Recent experiments on forming electron rings at Berkeley, 25:33905 (UCRL-20183)
- LAMBERTSON, Glen R. Charged particle extracting magnet for an accelerator, 21:25383
  - Handling field nonlinearities in the bevatron resonant extraction, 24:8789 (UCRL-19213)
  - Particle beam focusing magnet with a septum wall, 22:35180
  - Printed-circuit steering coils, 25:28116 (UCRL-20165)
  - Resonant extraction studies for the bevatron, 21:46619 (UCRL-17604)
- LAMBERTSON, W. A. Treatment of tobacco, 22:10891
- LAMBETH, V. N. Determining root cation exchange capacity by isotopic exchange, 24:25033
- LAMBIET, C. Safety in hot laboratories for study of fuel reprocessing, 24:31545
- LAMBIET, M. Effect of irradiation and or 2-β-aminoethylisothiourea on appearance of giant nuclei in crypts of small intestine of mouse, 21:45731
  - Influence of a mixture of chemical radioprotectors on the cellular renewal in the duodenum of mice, 21:22517
- LAMBIET-COLLIER, M. Combination of radioprotective agents and 5-hydroxytryptamine, 24:32043
  - Effects of a combination of radioprotective substances on migration of crypt cells along the villi of the mouse duodenum, 22:19357
  - Influence of a mixture of radioprotectors on mucosa of small intestine of mice irradiated with 2000 R of x-rays, 22:31236
  - Influence of mixture of radioprotectors on cell renewal in x-irradiated mice, 22:21557
  - Reduction of short- and long-term radiation effects by mixtures of chemical protectors, 25:4582
- LAMBIEV, D. K. Effect of nickel, cobalt, and copper additives on kinetics of WO_3 reduction with CO, 24:27863
  - Influence of heterophase composition on the reduction of MoO_3 by H, 24:21380
- LAMBIJEW, D. K. Study of sintered W, Mo, and Ag base alloys, 25:662
- LAMBIOTTE, Jules J. Structure in the fast spectra of atmospheric neutrons, 24:6390
- LAMBIOTTE, Jules J. Jr. Dose-response functions in atmosphere due to incident high-energy protons, 25:22302 (N-71-10913)
- LAMBORIZIO, C. Moessbauer measurements in ZnY ($Ba_2Zn_2Fe_{12}O_{22}$) and $Mn_{0.625}$—ZnY ferrites, 22:24427
- LAMBORN, B. N. A. Conservative trapping of charged particles in a static magnetic field, 25:27674
  - Cyclotron wave transmission across a plasma, 23:51723
  - Relativistic plasma dispersion relation, 24:35500
- LAMBRAKOS, K. F. Determination of the pion form factor by electroproduction of pions, 23:5572
- LAMBRAKOS, Konstantinos Filoktiti Electroproduction of pions and the electromagnetic form factor of π mesons, 23:1614
- LAMBRECHT, R. M. Complicating role of reactions induced by isomeric transitions in neutron activation analysis for ^{82}Br and ^{130}I, 22:44989
  - Effects of deuteration and heavy atom additives on scintillation lifetime of p-terphenyl, 24:27087
  - Evidence for ^{11}C stripping and abstraction reactions leading to acetylene formation, 25:15711
  - Iodine organic yields in hydrocarbon matrices at 77°K, 23:21773
  - Radiative neutron capture organic yields, 23:40747
  - Scintillation decay spectrometer for resolving subnanosecond lifetimes, 25:18696
- LAMBRECHT, Richard M. Influence of molecular parameters on ^{79}Br(n,γ)/sup 80m/Br and /sup 82m/Br(I.T.)^{82}Br processes in liquid hydrocarbons, 22:25439 (COO-1617-4)
  - Isotope effects of iodine reactions activated by neutron capture and isomeric transition processes, 22:16566 (COO-1617-10, pp 37-55)
  - Isotope effects of iodine reactions activated by the radiative neutron capture and isomeric-transition processes in liquid hydrocarbons, 22:30536
  - Yields of Br and I induced by radiative neutron capture and isomeric transition in n-hexane and cyclohexane, 22:16568 (COO-1617-10, pp 68-105)
- LAMBRECHT, Richard Merle Reactions of halogen atoms activated by nuclear processes with organic media at 77° and 298°K, 23:19743 (COO-1617-14)
- LAMBREMONT, Edward N. Effect of post-treatment temperature upon worker honey bees exposed to varying doses of ^{60}Co gamma radiation, 25:16287
  - Method of studying food consumption of live honey bee larvae by liquid scintillation counting, 24:50673
- LAMBREV, V. G. Gamma-spectrometry in determining chlorine in aqueous solutions, 23:43267
  - Instrumental activation analysis of Au, Br, Mn, Na, Ta, and W, 25:26200
  - Instrumental activation analysis of micro-ingots of multi-constituent alloys, 25:46469
- LAMBRINO, Vl. Separation ^{60}Co from radioactive solution by ion exchange, 22:18878
  - Separation of ^{131}I from radioactive solutions by means of ion exchangers using bentonites, 21:34325
  - Separation of ^{22}Na from radioactive solutions by means of different adsorption materials, 24:14025
  - Separation of cesium from radioactive solutions by alumosilicate ion exchangers, 23:7454
  - Study of the decontamination of radioactive solutions which contain ^{90}Sr using ion exchangers, 21:5818

- LAMBROPOULOS, P. Anti-Stokes Raman scattering from metastable deuterium atoms, 24:51420
  - Detection of singly stimulated two-photon emission from metastable deuterium atoms, 24:37242
  - Evaluation of functionals with discontinuous trial functions, 24:33511
  - Field-correlation effects in two-photon processes, 22:26209
  - Functionals for discontinuous trial function flux synthesis, 25:37130
  - Functionals for flux synthesis with discontinuous trial functions, 24:18757 (ANL-7627)
  - Multilevel parameters for ^{239}Pu fission cross section, 24:35867
  - Spectral line shape in the presence of weak collisions and intense fields, 22:5080
- LAMDEN, R. J. Design of unattended stations for recording geomagnetic micropulsation signals, 23:12640
  - Trend in the harmonic energies of the diurnal variation at two British observatories, 22:13324
- LAMEHI-RACHTI, M. Analogue states of ^{140}La levels, 23:49387 (CEA-CONF-1322)
  - Analogue states of ^{140}La levels, 24:43448
  - Experimental evidence of the effect of the deformation of nuclei on their rms radius, 25:17936
  - Widths of analog states, 25:18029
- LAMEL, David Arthur ^{18}F uptake in normal, x-irradiated, and fractured bone, 25:58105
- LAMELIN, Jean-Pierre Transfer of responsiveness to hapten conjugates of lethally irradiated non responder guinea pigs, 24:7761
- LAMERS, G. B. Analytic models for description of observed seismic amplification effects, 24:50474 (NVO-1163-211)
  - Effects of local geology on the amplitudes of seismic waves. Volume I, 24:36437 (NVO-1163-205(Vol.1))
  - Effects of local geology on the amplitudes of seismic waves. Volume II, 24:36438 (NVO-1163-205(Vol.2))
  - Effects of local geology on the amplitudes of seismic waves. Volume III, 24:39090 (NVO-1163-205(Vol.3))
- LAMERS, Guillermo B. Direct determination of pure-state density matrices. V, 23:18394
  - Direct determination of pure-state density matrices. IV, 23:18393
- LAMERS, Guillermo Bernard Finite basis, idempotent matrix, representatives of Thomas—Fermi densities, 24:35219
- LAMERS, Kenneth W. ESR spectrometer for gaseous media. I, 22:14876 (UCRL-17306)
- LAMERS, R. P. Extrapolation of Hallam and Fermi sodium pumps to the FFTF primary pump reference design requirements, 24:11271 (WARD-3762-5)
- LAMERTON, L. F. Adaptation of hemopoietic systems to environmental conditions, 25:8608
  - Epidemiological studies in human radiobiology, 22:10848
  - Homeostasis in irradiated tissues, 23:20342 (BNL-50058, pp 212-22)
  - Radiation biology and cell population kinetics, 22:21579
  - Response of mammalian cell populations to continuous irradiation, 22:25991
  - Steady state under continuous irradiation, 22:49469 (CONF-680410-, pp 3.1-12)
- LAMI, H. Measurement of the instrument response function in the single photoelectron technique, 25:23813
- LAMIDEY, G. Baryon exchange in $K^-p \rightarrow \Lambda\omega$ and $K^-n \rightarrow \Sigma\omega$ at 3 GeV/c, 25:1423
- LAMIRAL, G. Pressure vessels for Electricite de France nuclear power stations, 23:11143
- LAMKI, A. M. Long-lived phosphorescent components in NaI(Tl) and CsI(Tl), 22:14759
- LAMLA, E. Brightness and polarization of 3C 345, 22:29027
  - Influence of emission lines on the color indices of quasistellar objects, 21:28923
  - Optical brightness variations and polarization of the quasi-stellar radio source 3C 446, 21:6939
- LAMLA, Erich Nature of the optical continuum of quasi-stellar objects, 22:47722
- LAMM, A. Some important factors in the radiation treatment of natural rubber latex, 21:9259
- LAMM, C. G. Advantages of a two-detector system in automated substoichiometric radioisotope dilution analysis, 23:28715
  - Automated determination of traces of mercury in biological materials by substoichiometric radioisotope dilution, 23:13650
  - New concept of automated radiochemical analysis based on substoichiometric separation, 22:40050
- LAMM, G. Some important factors in the radiation treatment of natural rubber latex, 21:9259
- LAMM, I. L. Nuclear deformabilities in the rare-earth and actinide regions with excursions off the stability line and into the super-heavy region, 22:30081
- LAMM, Iger-Lena Nuclear structure and stability of heavy and superheavy elements, 23:34816
- LAMM, Inger-Lena Shell-model calculations on deformed nuclei, 23:17124
- LAMME, H. A. Angular momentum projection on Hartree—Fock wave functions for ^{9}Be and ^{12}C, 21:21446
  - Exact and approximate angular momentum projection for light nuclei, 22:27267
  - Exact and approximate angular momentum projection for light nuclei. II, 24:3970
- LAMMER, M. Interpretation of gamma spectrometric measurements on burnt fuel elements, 24:48863 (SGAE-PH-98/1970)
- LAMMERS, B. Computer programs in the analysis of fast neutron cross sections, 24:8897
  - Excitation functions of (n,p) and (n,2n) reactions for some isotopes of K, Mn, Zn, and Cu, 23:34756
- LAMMERS, William T. Accumulation of DDT by particulate and dissolved fractions of natural water, 22:50887 (K-1755)
  - Bacteriophage populations in natural water, 23:4496 (K-1760)
  - Biophysical limnology: assessment of low-level contaminants in natural water, 21:22409 (K-L-6131)
  - Distribution of ^{60}Co, ^{106}Ru, and ^{137}Cs among suspended and dissolved particles in White Oak Lake, 22:48915 (K-1758)
  - Fractionation of suspended and colloidal particles in natural water, 22:53496 (K-1749)
  - Separation and analysis of natural water, 21:8190 (K-L-6119)
- LAMMING, G. E. Relationship between thyroid function and growth rate, 22:51316
- LAMNEVIK, S. Sodium—lithium point cloud payload, 21:24257
- LAMOLA, A. A. Sensitized photoinactivation of bacteriophage t4, 25:16388
- LAMONDS, H. A. Energy and angular dependence of air-scattered gamma-ray distribution functions, 22:4282
  - Energy and angular dependence of air scattered gamma ray distribution functions, 22:5394 (EGG-1183-2163)
  - Fission product beta-gamma coincidence counting studies, 21:6488 (EGG-1183-2103)
- LAMONOV, V. M. Studies of total emission of dense low-temperature argon plasma, 23:10614
- LAMONT, A. Interaction of test particles with a plasma, 25:49899
  - Stability of a plasma stream in a magnetic field, 25:56202
- LAMONT, E. A. Nuclear rocket engine, 22:37521
- LAMONT, L. T. Jr. Production of high-energy neutral atoms by scattering of ions at solid surfaces, 22:52546
- LAMONT, P. E. Pilot-plant testing of a two-phase vortex fluid amplifier for liquid flow control, 23:21855 (IN-1271)
- LAMONTAGNE, R. G. Semiempirical interpolation formula for elastic n—d scattering, 24:38088
- LA MONTE, Charles Radioactive isotope instrumentation, data analysis, and organ scanning studies, 23:12147 (NYO-910-75, pp 2-10)
- LAMOS, Jean Production of continuous high-power plasma flow, 25:14273
- LAMOT, C. Separable potentials in α—α elastic scattering below 30 MeV, 24:15947 (LYCEN-6955)
- LAMOT, G. Study of (n,α) reactions and nuclei ^{16}O and ^{14}N at 14.9 MeV, 22:44626
  - Use of the graphic method for calculating a stripping angular distribution, 25:34159 (LYCEN-6804, pp 109-24)
- LAMOT, G. H. Analysis of the reaction ^{16}O(n,α)^{13}C at 14 MeV by the distorted-wave method, 21:34064
  - Reaction ^{14}N(d,α)^{12}C at 28.5 MeV, 22:3632
  - Reduction of Faddeev equations, 24:1678
  - Separable potentials in α—α scattering, 24:38089
  - Study of the finite range interaction in the two-nucleon transfer reactions, 25:18030
  - Theoretical angular distributions and polarizations in the three-body problem, 25:1641 (LYCEN-7046)
  - Theoretical angular distributions and polarizations in the three-body problem, 25:33579
  - Use of non-local separable potentials in the study of α—α elastic scattering, 25:17702
- LAMOT, G.-H. Description of elastic scattering processes with the use of nonlocal separable potentials, 25:56852
  - Description of elastic-scattered processes with the use of non-local separable potentials, 25:31186 (LYCEN-7089)
  - Non-exhaustive restatement of the angular momentum reduction in the three-body problem, 25:59206 (LYCEN-7118)
  - Nucleon elastic scattering by ^{4}He, 25:20261
  - Nucleon elastic scattering with non-local separable potentials, 24:28826 (LYCEN-7015)
  - Separable nonlocal potentials and their equivalent local potentials in elastic scattering studies, 25:56642 (LYCEN-7104, C5.1-15)
- LAMOT, Georges Elaboration of the program of distorted wave calculation; application to various stripping reactions, 21:12080 (LYCEN-6634)
- LAMOTTE, B. ESR and ENDOR study of hydrogen bond properties, 25:48519 (CEA-CONF-1763)
  - ESR study of several radicals in gamma irradiated ferroelectric arsenates, 25:49973 (CEA-CONF-1764)
  - Free radicals in gamma irradiated imidazole, 21:23969
- LAMOTTE, Bernard EPR and ENDOR study of free radicals produced by gamma irradiation of imidazole single crystals, 25:15662 (CEA-R-3758)
  - Free radicals produced by γ radiation in spherical compounds of methylbutane series, 23:26289
- LAMOTTE, H. Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35594 (EURAEC-1882(Annex))
  - Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35593 (EURAEC-1882)
- LAMOUREUX, G. Directional correlations of gamma rays in ^{152}Sm and ^{152}Gd, 25:20385
  - E2/M1 ratios in 427.90 and 635.90 keV transitions of ^{125}Te, 25:46022
  - Efficiency for coaxial and planar Ge(Li) detectors, 24:5904
  - Geometrical correction factors for angular correlation measurements with Ge(Li) detectors, 25:32246
  - Geometrical correction factors for angular correlation measurements with Ge(Li) detectors, 25:42054 (LPN-UM-53)
- LAMOUREUX, Robert L. Warning considerations for Detroit tunnel-grid blast shelter concept, 21:20181 (ORNL-TM-1719)
- LAMPARELLA, Don Radiation effects in polypropylene and ethylene—propylene copolymers, 23:4663
- LAMPARTER, Richard A. Design of isotope-heated catalytic oxidizer system, 23:2516 (N-68-11871)
- LAMPE, B. T. Requirements for reflow soldering of integrated circuit flatpacks, 25:46355 (BDX-613-187)
  - Solder splatter caused by outgassing holes in printed wiring boards, 25:54345 (BDX-613-505)
- LAMPE, D. A. Design of prototype low-enriched superheater fuel elements, 21:30282 (ACNP-67516)
- LAMPE, F. W. Gamma radiolysis of SiH_4 and SiH_4—C_2H_4, 23:40749
  - Ionic reactions in gaseous mixtures of monosilane and ethylene, 24:238
  - Krypton-radiosensitized reaction of deuterium atoms with ethylene, 22:47158
  - Mass-spectrometric study of the bimolecular formation of diatomic helium ion, 23:46282
  - Mass-spectrometric study of the reactions of deuterium and hydrogen atoms with nitric oxide, 21:30414
  - Production of hydrazine, 21:25925
  - Prog. rpt. on radiation chemistry of silane systems, 4/67, 21:40882 (NYO-3570-3)
  - Radiation-induced addition of methylsilane and dimethysilane to ethylene, 21:5943
  - Scavenging of small radicals by nitric oxide, 22:2152
  - Surface catalytic effects in nitrous oxide radiation dosimetry, 21:19978
- LAMPE, I. Pituitary irradiation for Cushing's syndrome, 21:39469
- LAMPE, Isadore Design, testing, and installation of a new ^{137}Cs teletherapy device, 21:10916 (COO-245-6)
  - Hodgkin's disease: radiotherapeutic experience, 23:29671
  - Peroral irradiation of carcinoma of the oral tongue, 24:4670
  - Prog. rpt. on clinical evaluation of ^{137}Cs teletherapy, final, 5/67, 22:2519 (COO-245-7)
  - Radiation therapy of carcinoma of the tonsillar region, 25:19085
  - Radiotherapeutic principles and viewpoints, 25:19081
  - Radiotherapy of carcinoma of the floor of the mouth, 25:46933
  - Radiotherapy of squamous cell carcinoma of the oral portion of the tongue, 21:32709
  - The management of teeth related to the treatment of oral cancer, 23:48239
- LAMPE, L. Maternal-fetal I metabolism in the rabbit. I, 22:10687
  - Maternal-fetal I metabolism in the rabbit. III, 22:10686
  - Maternal-fetal I metabolism in the rabbit. II, 22:10700
- LAMPE, Laszlo Autoradiogram of a large surface for the study of fetal iodine metabolism, 21:10779
  - Extrathyroideal iodine metabolism in fetal life, 21:10780
- LAMPE, M. Nonlinear development of the beam—cyclotron instability, 25:45500
  - Theory of the beam cyclotron instability in plasmas, 25:36167
- LAMPE, Martin Multiple scattering and energy loss of a fast test electron beam in a plasma, 24:49127
  - Plasma heating due to the beam cyclotron instability, 25:45445 (AD-720675)
  - Thermal conduction by electrons in stellar matter, 23:34157
  - Transport coefficients of degenerate plasma, 22:31860
  - Transport coefficients of degenerate plasma, 22:36941
  - Transport theory of a partially degenerate plasma, 22:48108
  - Transport theory of partially degenerate plasma, 23:1406 (AD-671837)
- LAMPEL, Georges Nuclear dynamic polarization by optical electronic saturation and optical pumping in semiconductors, 22:20072
- LAMPENSCHERF, W. Evaluation of gamma measurements, 23:26358
- LAMPERT, Peter W. Cerebral edema after laser radiation, 21:26649
- LAMPERT, W. Absolute measurement of the angular correlation of internal bremsstrahlung from ^{90}Y, 24:15940
  - Development of continuous γ pulse height distributions, 21:3301
  - Evidence for a 0^+ level of ^{54}Fe at 2.56 MeV, 23:37183
  - Gammaγ-triple correlation measurements on ^{54}Fe, 23:7274
  - Internal bremsstrahlung of ^{32}P and ^{90}Y, 22:9873
  - Internal bremsstrahlung of ^{32}P, ^{90}Y, and ^{90}Sr, 23:44859
  - Investigation of low-lying levels in ^{54}Fe, 24:15821
  - Program for the analysis of triple correlation measurements, 24:29502
  - Spectra of internal bremsstrahlung from beta decay of ^{90}Y and ^{90}Sr, 21:7802
- LAMPERTI, P. J. Uniformity of high-energy electron-beam calibrations, 23:22102
- LAMPERTICO, P. Introductory note to the study of vascular alterations in radiodermatitis, 21:8877
- LAMPIS, G. Afterglow measurements of a laser breakdown plasma, 22:31798
  - Harmonics of ion oscillations in a neutralized ion beam plasma, 23:12930
  - Quenching of ion oscillations at the sheath-plasma resonance, 23:5411
  - Resonance probe characteristics in a nonuniform plasma, 23:42247
- LAMPLOUGH, J. Accelerator radiation monitoring and dosimetry with integrating pulse discharge ionization chamber detectors, 21:17845
  - AGS magnet enclosure beam spill and personnel safety monitor, 21:38121
- LAMPO, Edward J. Dosimetry of π mesons using silicon detectors and plastic scintillators, 24:34319 (UCRL-19420, pp 82-92)
  - Lithium-drifted silicon detector used as a pulse dosimeter, 21:8626 (UCRL-16924)
- LAMPRECHT, Ingolf Influence of various glycerine concentrations on yields in iron(II) sulfate dosimeter, 22:45101
- LAMPROYE, F. Nuclear reactor thermal shield and exchanger system, 23:13493
  - Nuclear reactors reactivity control process, 23:23880

LAMPSON, Miles Landrum Space-charge-limited electron currents in sodium chloride, 25:14449
LAMPTON, M. Daytime observations of energetic auroral-zone electrons, 22:5221
  Possibility of a 44A line component in diffuse cosmic x-ray flux, 25:33037
  Search for rapid optical oscillations in Scorpius XR-1, 25:864
  Versatile pulse amplifier, 25:32231
  X-ray observations of Virgo XR-1, 25:47242
  X-ray scattering by grains in direction of Crab pulsar and Sco XR-1, 24:23636
LAMPTON, Michael Detection of x-ray emission from 3C 273 and NGC 5128, 24:37073
  Evidence for a highly compact x-ray source, 25:58534
  Feedback control of proportional counter gain, 25:18658
  Pulsing x-ray source in Circinus, 25:55721
  Simultaneous radio and optical measurements of Scorpius XR-1, 25:16676
LAMSA, J. W. Double-Regge analysis of reaction $\pi^+p \rightarrow \pi^+\text{rho}^0p$ at 13.1 GeV/c, 24:40386 (COO-1428-170)
  Double-Regge analysis of the reaction $\pi^+p \rightarrow \pi^+\text{rho}^0p$ at 13.1 GeV/c, 24:40404
  Double-Regge pole analysis of $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$ at 13.1 GeV/c, 24:37642 (COO-1428-217)
  Double-Regge pole analysis of $\pi^+p \rightarrow \pi^+f^0p$ at 13.1 GeV/c, 25:1525 (COO-1428-237)
  Double-Regge pole analysis of $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$ at 13.1 GeV/c, 25:3273
  Double-Regge-pole analysis of $\pi^+p \rightarrow \pi^+\text{rho}^0p$ at 13.1 GeV/c, 24:35610 (COO-1428-207)
  Double-Regge-pole analysis of $\pi^+p \rightarrow \pi^+\text{rho}^0p$ at 13.1 GeV/c, 24:37643 (COO-1428-218)
  Double-Regge-pole analysis of $\pi^+p \rightarrow \pi^+\text{rho}^0p$ at 13.1 GeV/c, 24:49327
  Double-Regge-pole analysis of $\pi^+p \rightarrow \pi^+f^0p$ at 13.1 GeV/c, 25:17507
  High mass boson production in π^+p interactions at 13.1 GeV/c, 24:37646 (COO-1428-222)
  Observation of N* (1720) decay to Δ (1236)π from π^+p interactions at 13.1 GeV/c, 24:40261 (COO-1428-175)
  Observation of N*(1720) decay to Δ(1236)π from π^+p interactions at 13.1 GeV, 24:30461
  Observation of N*(1720) decay to Δ(1236)π from π^+p interactions at 13.1 GeV, 24:37641 (COO-1428-215)
  Pion production in π^--p interactions at energies 790, 830, and 870 Mev, 21:881
  Production of K^+K^- and p anti p pairs in four-body reactions at 13.1 GeV/c, 25:17380 (COO-1428-249)
  Production of K^+K^- and panti p pairs in four-body reactions at 13.1 GeV/c, 25:40879 (COO-1428-273)
  Production of K^+K^- and pantip pairs in four-body reactions at 13.1 GeV/c, 25:50073
  $\pi^+p \rightarrow f^0\ \Delta^{++}$ at 13.1 GeV/c, 25:5283 (COO-1428-238)
  Reaction $\pi^+p \rightarrow f^0\Delta^{++}$ at 13.1 GeV/c, 25:17400
  Reaction $\pi^+p \rightarrow \text{rho}^0\Delta^{++}$ at 13.1 GeV/c, 24:40262 (COO-1428-216)
  Reaction $\pi^+p \rightarrow \text{rho}^0\Delta^{++}$ at 13.1 GeV/c, 24:40401
  Reactions $\pi^+p \rightarrow \pi^+pK^+K^-$ and $\pi^+p \rightarrow \pi^+$ppanti p at 13.1 GeV/c, 24:37647 (COO-1428-223)
  Resonances produced in reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+p$ at 8 GeV/c, 22:20151
  Study of the πrho system in the reaction $\pi^- + p \rightarrow \pi^- + \text{rho}^0 + p$ at 8 GeV/c, 21:29462
LAMSFUS, Carmen Effect of ionizing radiation on rat liver, 25:55128
LAMSON, Baldwin G. Incidence of disease and cause of death following single and divided doses of total body x-irradiation in rats, 21:24549 (UCLA-12-616)
  Late effects of low-dose whole body x-irradiation of four-day-old rats, 21:22747
LAMUTH, Henry Lewis Diagnostics of the dynamics of a disc dense plasma focus device, 25:33239
LAMVERMEYER, D. J. Friction evaluation of materials for nuclear rocket valve applications, 22:8752
LAMY, R. Present position and prospects for nuclear agronomy, 24:25599
LAMYKIN, E. V. Charged states in moessbauer effect and hot atom chemistry in solids, 24:9356
  Tellurium-125 Moessbauer effect study of electron capture in certain ^{125}I compounds, 24:36335
LAN, Vo Ky Excitation of ground configuration of Fe XIII, 21:7006
  Method of polarized orbitals. I, 25:47338
  Method of polarized orbitals. II, 25:47339
  Numerical resolution of certain systems of integro—differential equations in quantum mechanics, 22:46298
  Scattering of electrons by complex atomic systems, 23:3279
LANAHAN, John V. Machine code for the unfolding pulse-height spectra, 21:41198 (AD-645283)
LANASPEZE, P. Computation of some characteristics of pyrocarbon layers deposited on fuel particles from coating process measurements. project dragon, 24:42202 (DP-Report-407)
  Search for a ceramic crucible material for uranium smelting, 23:8301 (EUR-3614)
  Study of deposition and properties of pyrolytic coatings and fuel particle, 24:48872 (DP-Report-361)
LANASPEZE, Pierre Ceramic compound on the basis of BeO and La$_2$O$_3$ for crucibles in which fissile metals and alloys are fused, 22:11039
  Improvements in fluidized bed apparatus, 23:26410
LANCASHIRE, Richard B. Refractive index: particle density of nonequilibrium cesium plasmas, 23:48890 (N-69-30622)
LANCASTER, Donald E. Thermoluminescence: theory and applications, 23:43613
LANCASTER, G. Electron paramagnetic resonance, 21:41771
LANCASTER, H. D. Digital computer control of Bevatron inflection system, 21:21323 (UCRL-17273)
LANCASTER, Henry D. Digital control of the Bevatron—injector inflection trajectory, 21:11866 (LA-3609, pp 483-90)
LANCASTER, J. H. Design and construction of physical facilities, AGS conversion project, 23:27974
LANCASTER, K. G. Analytic continuation of three-body off-the-energy-shell amplitudes, 23:44734
LANCE, E. D. Bulk shielding facility quarterly report, January—March 1971, 25:37069 (ORNL-TM-3453)
  Prog. rpt. on bulk shielding facility, 4—6/71, 25:54211 (ORNL-TM-3560)
LANCE, E. M. Induction of tolerance with antilymphocytic serum, 24:632
  Induction of tolerance with antilymphocytic serum, 24:11994
  Rejection of skin allografts by radiation chimaeras, 24:48702
LANCE, Eugene M. Effects of lymphoid depletion on the distribution of ^{51}Cr-labeled lymph node cells in mice, 25:46754
LANCE, J. R. Implantable artificial-heart power source, 24:14196
LANCE, Joseph R. Implantable circulatory support system, 25:8436
LANCEFIELD, M. J. Overlapping group method, 23:37472
  Space-energy flux synthesis in transport theory, 23:45129
  Thermal-neutron Milne problem, 22:7624
  Thermal-neutron Milne problem with capture, 22:22540
LANCEFIELD, Michael Variational functionals with trial functions having arbitrary points of discontinuity, 24:7279
LANCELOT, J. Isotopic composition of lead in volcanic rocks, 25:34740
LANCET, R. T. Atomics International 1000-MWe LMFBR follow-on study progress report, 23:47158 (ANL-7520(Pt.2), pp 171-214)
LANCHI, M. Irradiation experiments on Cyranum capsules for study of thermal behavior of fuel rods, 25:22204 (RT/ING-(70)15)
LANCIA, R. Microwave magnetic absorption in conducting intermetallic compounds, 24:26333
LANCIA, Roland Magnetic resonance at 9.3 GHz of intermetallic cobalt—rare earth compounds, 23:20983
  Magnetic resonance of rare earth—Co intermetallic compounds at 9.2 GHz, 25:5200
LANCIANI, P. Cosmic rays and large-distance features of the interplanetary space, 21:23033
LANCIEN, J. Relativistic extension of Le Couteur—Newton formalism, 24:1664
LANCKMAN, R. Sodium evaporation in an argon flow, 23:46039 (ANL-7520(Pt.1), pp 418-25)
LANCMAN, H. Internal bremsstrahlung accompanying the electron-capture decay of ^{54}Mn, 24:15840
  Internal bremsstrahlung accompanying orbital-electron capture in ^{7}Be, 25:28200
  Radiative orbital electron capture in ^{57}Co, 25:34028
LANCON, Rene Preparation and study of the properties of lead telluride and cadmium telluride diodes for use in nuclear spectrometry, 23:40983 (CEA-R-3829)
LANCRANJAN, Ioana Urinary total gonadotrophins after irradiations, 24:14417
LANCZOS, C. Einstein equations and electromagnetism, 21:33577
  Quadratic action principle of relativity, 23:32832
LAND, C. C. Alloying behavior of plutonium, 22:2655
  Binary systems of Pu with Pr, Nd, and Sm, 23:12341
  Constitution of plutonium-rich plutonium—hafnium alloys, 23:6697
  Constitution of plutonium-rich plutonium—osmium alloys, 25:11438
  Laboratory techniques, 22:2634
  Plutonium—lanthanum system, 21:28790
  Plutonium—zirconium phase diagram, 25:11439
  Strain effects and spalling in alpha-bombarded ThO$_2$, 25:30014
  Ternary system Pu—Ce—Co, 21:4957
  Transformation-induced precipitation of delta-plutonium in metastable cerium—plutonium alloys, 22:41064
LAND, C. E. Ferroelectric ceramic electrooptic storage and display devices, 22:6223 (SC-R-67-1219)
LAND, D. J. Elementary and composite particles, 24:1638
LAND, D. V. Beam monitoring for Glasgow linear accelerator, 22:46673
  Measurement of electron beam bunch form, 25:50414
LAND, David J. Elementary and composite particles in field theory and S-matrix, 24:5259 (NYO-2262-TA-166(Rev.))
  Peratization of logarithmically singular potentials, 24:40492
  S-wave ππ scattering and the K_1^0—K_2^0 mass difference, 21:21185
  Singular potentials, 25:17597
LAND, David John Low-energy P-wave resonances in meson—meson scattering, 22:3401
LAND, David L. Peratization of a class of exponentially singular potentials, 24:40491
LAND, E. J. Chemiluminescent reactions after pulse radiolysis of aqueous solutions of acriflavin, 24:27173
  Extinction coefficients of triplet—triplet transitions, 22:42779
  Formation of excited states in the pulse radiolysis of solutions of aromatic compounds in cyclohexane and benzene, 22:33385
  Light emission after pulse radiolysis of aqueous solutions of dyes, 21:5911
  Metastable state of β-carotene excited by pulse radiolysis, 24:22701
  One-electron reactions in biochemical systems as studied by pulse radiolysis. I, 23:2768
  One-electron reactions of some mitochondrial components studied by pulse radiolysis, 24:22699
  Pulse radiolysis studies of aqueous phenol, 21:28870
  Radicals and excited states in the pulse radiolysis of 9,10-anthraquinones, 23:28924
  Short-lived species: identification and kinetic measurements, 24:13915
  Yield of triplet states in the pulse radiolysis of an aliphatic hydrocarbon glass containing naphthalene, 23:7574
LAND, G. M. Novel method for the determination of tritium in freshly dissected biological tissues, 25:23530
LAND, J. Energy dependence of proximity scattering, 25:45934
LAND, John S. Zone refining applied to a bismuth—tin system, 21:47012 (IS-1689)
LAND, P. L. Apparatus for thermoluminescence measurements, 23:7850 (CONF-680920-, pp 689-704)
LAND, Peter L. Electronic defect structure of single-crystal ThO$_2$ by thermoluminescence, 25:56315
LAND, Robert H. BISON: FORTRAN computer system for calculation of analytic self-consistent-field wavefunctions, properties, and charge densities for diatomic molecules. I, 23:1561 (ANL-7271)
LANDA, J. F. Gas mixing in cross-flow tube bundle, 23:31472 (GAMD-8766)
LANDA, L. M. Radiation and optical stability of annealed and hardened glasses, 22:25386
  Radiation effects on glass and ceramics, 25:59147
LANDA, Lloyd Sherwin Radiation dosimetry for cleft palate patients, 22:51602
LANDA, Zdenek Conference on mechanism of mutation and inducing factors, Prague, 8/65, 21:8776
LANDAHL, C. E. Hydrogen reactions with graphite materials at high temperatures and pressures, 22:16555
LANDAHL, H. D. Dose reduction factor for radiation lethality in mice as a function of the dose of mercaptoethylamine, 25:26924
  Studies on spleen O tension and radioprotection in mice with hypoxia, serotonin, and p-aminopropiophenone, 21:34704
LANDAIS, E. Growth of oxide films onto cleavage faces of crystalline UC, 22:32065
LANDAIS, J. P. Fuel loading into EDF 2 reactor at Chinon power plant, 23:1987
  Reduction in availability factor, 24:28931
LANDAU, D. P. Interaction constants in CeCl$_3$, 22:15589
LANDAU, I. L. Electrons on interface between superconducting and normal phases, 24:40027
  Investigation of the dynamic intermediate state of superconductors, 24:37416
  Mixed surface state of a superconductor of the first kind, 24:23908
LANDAU, J. Osmotic pressure of degenerate ^{3}He—^{4}He mixtures, 23:42215
  Osmotic pressure of dilute ^{3}He—^{4}He mixtures, 25:7326
  Superfluidity in finite systems: propagation of fourth sound and the density of superfluid, 21:37352
LANDAU, Judah Low-temperature osmotic pressure of liquid ^{3}He—^{4}He solutions, 24:21728
LANDAU, L. D. Field theory, 23:5197
  Statistical Physics, 23:42527
LANDAU, Lawrence J. Asymptotic locality and the structure of local internal symmetries, 24:28571 (DESY-70/10)
  Asymptotic locality and the structure of local internal symmetries, 24:37826
  Translation invariance of local internal symmetries, 24:15617
LANDAU, Lawrence Jay Some aspects of the quantum theory of local observables, 24:45579
LANDAU, R. Diamonds and the interstellar extinction curve, 24:35131
LANDAU, R. W. Ion cyclotron resonant instability of rh waves, 24:8295
  Observation of the negative-mass instability in a plasma betatron, 22:20033
  Stability of relativistic anisotropic plasmas to perpendicular magnetosonic waves, 25:19712
  Temperature-anisotropy instability for em waves propagating across static magnetic field, 25:11916
LANDAU, Ronald W. Negative mass instability with B/sub theta/ field, 22:13526
  Negative mass instability, 21:6984 (UCRL-14406)
  Negative mass instability, 21:9533
LANDAU, Rubin H. Models for meson—deuteron scattering in the resonant region, 25:14738
LANDAU, Rubin Harold Models for meson—deuteron scattering in the resonant region, 25:45769
LANDAUD, G. Energy of separation for some nuclei of medium mass in the reaction (p,2p) at 600 MeV, 25:56706
  New read-out method for wire spark chambers operating in magnetic fields, 24:39353
  Reactions (p,2p) at 600 MeV, 24:52439
  Readout of wire spark chamber by delay lines, 25:18793
  Spark chambers with magnetostrictive readout, 24:36621
  System of sonic spark chambers, 21:3271
  Use of spark chambers for measuring polarization of cosmic muons at 750 MeV/c, 21:16156
LANDAUER, Claude Shutdown channels and fitted interlocks in atomic reactors, 23:11254 (CEA-R-3550)
LANDAUER, G. Radiation of harmonics n ω/sub e/ and 1/2 n ω/sub e/ from a beam-generated plasma, 21:3853
  Radiation of harmonics nω/sub e/ and n(ω/sub e//2) from a beam-generated plasma, 21:15126 (IPP-2/53)
  Resonances at ECR harmonics in laboratory plasmas, 25:17161
  Self-absorption resonances at the electron—cyclotron harmonics, 22:1223
  Self-absorption resonances at the electron—cyclotron harmonics, 22:3042 (IPP-3/60)
LANDAW, S. Altered in vivo metabolism of histidine (imidazole-2-^{14}C) in irradiated rats, 22:49620
LANDAW, S. A. Iron kinetics and whole-body scanning of Fe, 24:23055
LANDAW, Stephen A. Endogenous production of ^{14}CO: an in vivo technique for study of heme catabolism, 21:12753 (UCRL-16898, pp 1-10)
LANDAY, Marshall E. Pathological changes in rabbits injected with P. tularensis killed by ionizing radiation, 24:2589

  - Toxicity of Pasteurella tularensis killed by ionizing radiation, 22:49657
- LANDAY, Michael Probable role for protein synthesis in intestinal epithelial cell damage induced in vivo by cytosine arabinoside, nitrogen mustard, or x-irradiation, 24:39564
- LANDBERG, T. Osteonecrosis and sarcoma following external irradiation of intracerebral tumors, 21:18077
- LANDBERG, Torsten Mantle treatment of Hodgkin's disease with ^{60}Co, 25:42594
  - Radiosensitivity of mediastinal lymphomas treated with split-course radiotherapy, 25:11226
- LANDE, A. Computation of Moshinsky brackets by direct diagonalization, 25:20526
  - Hartree—Fock energy gap, 25:17978
  - Matrix elements of lambda—nucleon potential, 24:1773
  - Meson finite size effects in mesonic atoms, 25:55831
  - Proton densities in ^{40}Ca and ^{48}Ca, 25:22998
  - Proton distributions in ^{40}Ca and ^{48}Ca, 24:43271
  - Saturation in Hartree—Fock calculations using density-dependent forces with hard cores, 21:38404
  - Triton binding energy calculations, 25:20259
- LANDE, Alexander Isotope effect and the density-dependent nucleon—nucleon interaction, 22:42087
  - K_{l3} form factors and the scaling behavior of spin-0 fields, 25:40949
  - Origin of spin-orbit splitting in nuclear Hartree—Fock calculations, 23:15519
  - Variational calculations in light nuclei with realistic nucleon—nucleon interactions: ground-state deformations, 21:23545
- LANDE, Alfred Quantum mechanics, observation, and interpretation, 22:46297
- LANDE, K. Effects of $\Delta S = -\Delta Q$ on CP-nonconservation phenomenology in K^0 decay, 22:39452
  - Polarization and angular distribution of the Λ^0 in associated production, 21:11741
  - Possibility that pulses of long range field are source of CP non-invariance, 25:9826 (NYO-2171-329)
- LANDE, Larry C. Seismic analysis of Gasbuggy explosion an earthquake of similar magnitude and epicenter, 25:41952 (AD-838894)
- LANDECKER, K. Changes produced in thermoelectric materials by thermal-neutron irradiation, 21:43684
- LANDECKER, P. Upper limit on high-energy neutrinos from Weber pulses, 25:33845
- LANDECKER, P. B. Cosmic ray neutrino experiment, 25:7195 (UCI-10-P-19-38)
- LANDECKER, Peter Bruce Spatial and temporal resolution of multijoule extensive air showers by means of atmospheric fluorescence, 22:38829
- LANDECKER, T. L. Galactic metre wave radiation, 25:19388
  - High-resolution measurements of the galactic radio spectrum, 24:28040
  - Measurements of the pulsed radio source CP 1919 between 85 and 2700 MHz, 22:36698
  - Measuring the whole-sun intensity at decimeter wavelengths, 24:1207
  - Survey of southern sky at 85 MHz, 22:792
- LANDEEN, K. Effect of microwave radiation on the hemopoietic system of the rat, 21:16506
- LANDEEN, Karin Effects on dogs of chronic exposure to microwave radiation, 21:18131
- LANDENBAUER-BELLIS, I. M. Level structure of ^{66}Ga, 24:1809
- LANDER, E. Ya. Radiosensitivity of type-A spermatogonia in Macaca mulatta, 22:21610
  - Remote aftereffects in irradiated monkeys, 22:21609
- LANDER, G. H. Antiferromagnetic structures of USb and UBi, 23:39578
  - Calculation of neutron magnetic form factors for rare-earth ions, 24:49262
  - Effect of C on magnetic properties of NpC, 25:47661
  - Interpretation of measurements of magnetic scattering from actinide ions, 25:12002
  - Magnetic form factor of terbium, 25:47647
  - Magnetic form factor of thulium metal, 24:6654
  - Magnetic ordering in $UP_{0.75}S_{0.25}$, 24:15412
  - Magnetic phase diagram of the UP/sub 1-x/S/sub x/ system, 23:30191
  - Magnetic structures in $UP_{0.85}S_{0.15}$, 23:12967
  - Metamagnetism in UP/sub 0.75/S/sub 0.25/, 23:42479
  - Neutron diffraction study of α-U at low temperatures, 24:25733
  - Neutron diffraction study of NpC, 23:22671
  - Periodicity of magnetic structure of thulium metal, 24:24175
- LANDER, H. Scintillation camera, 23:35500
- LANDER, Harry Scintiphotography and rectilinear scanning of lung using /sup 99m/Tc-MAFH (macroaggregated ferrous hydroxide), 25:42579
- LANDER, J. J. Application of triple grid LEED system to Auger spectrum analyses, 23:29208
  - Cesium plasma spectra in system W(100)—Cs, 23:24876
  - Chemisorption of I on W(100), 25:11405
  - Electronic and lattice structure of cesium films adsorbed on tungsten, 23:27699
  - Ordered physiosorption of xenon on graphite, 21:18344
- LANDER, Jerrold J. Frequency of antibody to hepatitis-associated antigen as measured by a new radioimmunoassay technique, 25:42306
- LANDER, R. L. Coherent Q-meson production in K^+d interactions at 9 GeV/c, 24:45423 (COO-1428-226)
  - Evidence for splitting in the Q region of $K^+\pi^+\pi^-$ mass, 25:33550 (COO-1428-270)
  - Evidence for splitting in the Q region of $K^+\pi^+\pi^-$ mass, 25:43544 (COO-1428-275)
  - $K(498)^0$, $K^*(890)^0$, and $K^{**}(1420)^0$ production in K^+n interactions at 9.0 GeV/c, 24:45425 (COO-1428-229)
  - Live-target spark chamber trigger for the study of coherent interactions, 23:7797
  - New evidence for splitting in the Q region of $K^+\pi^+\pi^-$ mass, 25:43543 (COO-1428-274)
  - Search for T = 1 bosons near 1 GeV in the reaction $pp \rightarrow d + MM$, 24:40283
  - Solid-state devices as detectors of coherent high-energy interactions, 21:3298
- LANDER, Richard L. Reaction $K^- + p \rightarrow K^- + p + \omega^0$ at 3.8 GeV/c, 21:21145
  - Scaling and factorization in $K^+ + p \rightarrow \pi^- +$ anything, 25:33565
  - Symmetric π^- production from $K^+ + p \rightarrow \pi^- +$ anything at 12 GeV/c, 25:43557
- LANDERCY, M. A. Improvement of the yield of a high frequency ion source and its pulsation, 21:27485
- LANDERMAN, E. Radiation damage to reactor vessel steels, 22:19599
- LANDERS, A. M. Adsorbate effects in electron ejection by rare-gas metastable atoms, 23:20675
- LANDERS, D. F. Code considerations concerning LMFBR, 24:33297
- LANDERS, Mary K. Browning reaction in radiation sterilized seafood products, 23:33916
  - Radiation sterilization of prefried cod and halibut patties, 23:20458
- LANDERS III, Maurice B. Laser eye hazard, 24:42016
- LANDES, E. Finger gangrene as late x-ray injury, 22:43440
- LANDES, J. D. Effect of D_2O on fatigue-crack in Al alloy, 23:41550
- LANDESMAN, A. Increase of exchange interactions near ^{4}He impurities in solid ^{3}He, 23:25265
- LANDESMAN, Andre Solid ^{3}He by nuclear magnetic resonance, 23:3552 (CEA-R-3486)
- LANDGRAF, William C. ESR studies of free radicals in solution. I, 24:9303
- LANDGREBE, A. R. Radiometric titration of trace amounts of zinc, 22:12263
  - Rapid radiochemical separation of radioactive praseodymium from radioactive cerium, 22:18908
  - The application of substoichiometric radioisotopic dilution principles to controlled-potential coulometry and solvent extraction, 21:38893
- LANDGREN, P. Search for interstellar formic acid at 1638.806 MHz in radio sources, 24:35061
- LANDHOLM, Richard A. Acid cleavage of isobutenylmercuric bromide, 23:24178
- LANDI, G. Influence of Mottelson and Valatin effect on rotational bands of asymmetrical nuclei, 25:31345
- LANDI, S. Preparation of ^{14}C-labeled tuberculin purified protein derivative, 21:45554
- LANDIN, N. A. Y—YH_2 phase diagram at room temperature, 25:35582
- LANDIN, R. M. Unequal ^{32}P-labeling of RNA of mammalian tissues, 24:29625
- LANDINGHAM, R. L. Dispersion strengthening of tungsten by covapor deposition, 21:41604 (UCRL-50209)
  - Fine-grain tungsten by chemical vapor deposition, 23:33936
  - Improvements in hot microhardness testing to 1500°C, 23:51038 (UCRL-71862)
  - Prog. rpt. on light-armor materials program, 6/71, 25:45116 (UCRL-51066)
- LANDINI, M. Analysis of some solar flares, 23:36420
  - Atmospheric density measured by the attenuation of the solar x-rays monitored on the NRL 1965-16-D satellite, 21:25006
  - Determination of the solar x-ray spectrum by using the atmospheric extinction, 22:907
  - Flux at 44 to 60 A during the ascending period of the solar cycle No. 20 (1964—67), 23:10410
  - Soft x-ray emitting regions in the solar corona, 25:35721
  - Solar radiation from 1 to 100 A, 24:37097
  - Solar x-ray flux measured during IQSY, 22:17206
- LANDIS, D. Radiation-induced defects in γ-irradiated Si, 22:37008
- LANDIS, D. A. Accurate determination of the ionization energy in semiconductor detectors, 22:14809
  - Advances in particle identifiers at Berkeley, 23:21981
  - Detector background and sensitivity of x-ray fluorescence spectrometers, 25:51856 (LBL-9)
  - Energy resolution capabilities of semiconductor detectors for particles in the 10- to 100-MeV range, 23:21980
  - High-resolution high-rate amplifier system for nuclear spectrometry, 21:36353 (UCRL-17560)
  - High-resolution, high-rate amplifier system for nuclear spectrometry, 23:22076
  - Identification of nuclear fragments, 25:10860
  - Ionization energy in semiconductor detectors, 23:22005
  - Observation of new isotope ^{17}C using combined time-of-flight particle-identification technique, 22:50542
  - Performance of a pulsed-light feedback preamplifier, 25:2462
  - Pulse-height compensation system for Ge(Li) timing, 23:17774
  - Pulsed feedback techniques for semiconductor detector radiation spectrometers, 25:57812
  - Recent advances in particle identifiers, 21:36348 (UCRL-17555)
  - Semiconductor detectors for particles in 10 to 100 MeV range, 21:36349 (UCRL-17556)
- LANDIS, DeWitt Jr. Effects of gamma radiation on silicon and silicon devices, 22:39178
- LANDIS, E. R. Uranium and other trace eleents in Devonian and Mississippian black shales in the central midcontinent area, 21:24119
- LANDIS, F. P. Spectrographic analysis of thoria, 21:35846 (KAPL-M-6702(Rev.))
- LANDIS, Glen A. Inhalation lung scanning evaluation, 24:19335
  - Lung scanning with the scintillation camera, 23:18054 (CONF-670958-, pp 246-80)
- LANDIS, J. W. Gas-cooled reactor development in the United States, 25:39133 (A/CONF.49/P-833)
  - Role of the Nuclear Standards Board in the nuclear industry, 24:436
- LANDIS, John Role of codes and standards in achieving safe, dependable, and economic nuclear power, 25:39180 (A/CONF.49/P-43)
- LANDIS, John W. Outlook for fast breeders, 24:18522
- LANDIS, Vincent J. Radiochemistry of titanium, 25:21076 (NAS-NS-3034(Rev.))
- LANDIS, W. Intramolecular migration of tritium and deuterium during nonenzymatic aromatic hydroxylation, 21:30487
- LANDLER, G. Primary Na piping design without bellows, 21:6128 (NAA-SR-Memo-12018)
  - Secondary Na piping design without bellows, 21:226 (NAA-SR-Memo-11941)
- LANDMAN, Donald A. Hyperfine structure and g/sub J/ value of ^{2}D/sub 3/2/ and of ^{4}F/sub 9/2/ states of ^{197}Au, 21:39825
  - Hyperfine structure and g/sub J/ value of the ^{4}F/sub $^9/_2$/ and ^{4}P/sub $^5/_2$/ levels of ^{63}Cu and ^{65}Cu, 23:32916
  - Ion—molecule reactions in alpha-particle irradiated NH_3, CD_4, and D_2O, 25:21050
- LANDMAN, H. A. A. Proton induced resonance reactions on ^{39}K, 25:12437
- LANDMAN, Silviu Pancreas imaging: is it worth it, 25:55280
  - Pancreas scanning: is it worth it, 25:39360 (ACRH-1000-247)
- LANDMARK, B. Comparison of auroral light emission and electron density, 24:5056
  - Electron and positive ion density measurements during conditions of auroral absorption, 23:6917
  - Electron density observations during the PCA event of 25 Feb. 1969, 25:27564
  - Ionospheric observations during annular solar eclipse of May 20, 1966. V, 25:9313
  - Model of electron—ion recombination in D region, 24:26060
  - Results of rocket measurements in the lower auroral ionosphere, 23:34338
- LANDMARK, B. J. Conference on plasma waves in space and in the laboratory, Roeros, Norway, 4/68. I, 24:37346
  - Conference on plasma waves in space and in the laboratory, Roeros, Norway, 4/68. II, 25:17002
- LANDMARK, Bjoern Arctic D-region, 22:34351 (AD-660555)
  - Electron density observations during auroral absorption related to radio wave communication problems, 22:46023
- LANDMARK, L. H. Thin-layer chromatographic separation on layers heavily loaded with powdered scintillators, 24:11456
- LANDO, J. B. Radiation-induced polymerization and copolymerization of unusual monomers, 23:35139 (TID-24923)
  - Radiation-initiated solution polymerization of vinylidene fluoride, 24:44045
  - Synthesis of highly oriented polythiomethylene directly by the radiation polymerization of crystalline trithiane, 21:3123
- LANDOLT, Arlo U. Attempt to define luminosity criteria in O stars via narrow-band photoelectric photometry, 24:30074
  - Long-period variable stars. IV, 23:10345
  - Long-period variable stars. VI, 23:22744
  - Magnitude sequences for the variable stars UZ Bootis and W Piscium, 25:11579
  - New short-period blue variable, 22:41220
  - Observations of long-period variable stars. V, 23:12460
  - Photoelectric light elements for eclipsing binary AB Andromedae, 24:1148
  - Photometric and spectroscopic observations of Nova T Pyxidis, 24:17475
  - Photometric and spectroscopic observations of AG and HR carinae, 24:27915
  - RS Columbae, 24:51260
  - Subluminous B-Type star CD -42° 14462, 25:58456
  - UBV observations of long-period variable stars. III, 23:6778
  - UBV observations of long-period variable stars. VII, 23:48627
  - UBV observations of miscellaneous peculiar stars, 23:6772
  - UBV observations of selected double systems, 23:12452
  - UBV observations of selected double systems. II, 23:48633
  - UBV observations of V603 Aquilae, 23:10356
  - UBV photometry of the southern cepheids l Carinae, AG Crucis, and ST Puppis, 25:22274
- LANDOLT, D. Transfer processes in ECM, 25:10403 (UCRL-19615)
- LANDOLT, Dieter Rotating disk system for the study of metal deposition from nonaqueous solvents, 22:25226 (UCRL-17957)
- LANDOLT, R. Alpha-particle autoradiography of alkaline phosphatase inhibition by cadmium, 25:26574
- LANDOLT, R. R. Activation analysis of counterfeit and genuine Japanese postage stamps, 25:12973
  - Rhodium-103m generator with potential medical usefulness, 23:45372
- LANDOLT, Robert R. Inert radioactive fission gas sampler, 22:21050
- LANDON, J. Preparation and immunological properties of ^{131}I-labeled adrenocorticotrophin, 22:30989
  - Radioimmunoassay for oxytocin, 24:50663
- LANDON, L. F. Background radiation at Savannah River Plant, 22:2245
  - Large volume continuous stream sampler for radioactive materials, 21:5763 (TID-22381)
  - Separation of ^{210}Po from bismuth by liquid metal distillation, 24:44065 (DP-1222)
- LANDON, Lewis F. Curium process development. IV, 24:31341 (DP-1146)
- LANDON, P. R. Cause of cracking in thorium during fusion welding, 23:6659
- LANDON, Stephen A. Calculation of three-body ionic recombination rate, 22:17403
- LANDONI, J. Boiling-studies for sodium-reactor safety, 23:23934 (AI-AEC-12744, pp 53-60)
  - Fast reactor development, 23:13406 (AI-AEC-12721, pp 131-47)

LANDONI, J. A. Analysis of the statistical distribution of incipient boiling, 24:14153 (AI-AEC-12906)
Boiling liquid metals and two-phase flow investigations, 22:14138 (NAA-SR-Memo-12485)
Effects of velocity, oxide level, and flow transients on boiling initiation in sodium, 25:321 (AI-AEC-12939)
Studies of boiling initiation for sodium flowing in a heated channel, 24:2367 (AI-AEC-12767)
TRANSFUGUE-IIa: digital code for transient two-phase flow in single heated channels, 22:22705 (NAA-SR-12503)
LANDORF, Martha Anne Hodges Study of the hydrolysis and exchange reactions of various amine boranes, 21:34280
LANDOVITZ, L. F. Intermediate vector bosons as unobservable particles, 21:21191
Neutrino-pair production by photons, 25:25382
Quadratic interactions in quantum field theory, 22:1477
LANDOVITZ, Leon F. Catastrophic events and gauge invariance, 23:15222
Equivalence of the Coulomb gauge and the reformulated Lorentz gauge, 23:42737
Renormalization constants, wave functions, and energy shifts in Coulomb and Lorentz gauges, 25:1611
Subsidiary condition in quantum electrodynamics, 22:44482
LANDOW, E. W. Design of the Hot Fuel Examination Facility Argon system, 24:5858
LANDOWNE, R. A. Optimum current concept in the operation of electron capture detectors, 24:48340
LANDOWNE, S. Coupled-channel Born-approximation calculation of two-nucleon transfer reactions in deformed nuclei, 25:15191
Deviations from the I(I + 1) law in deformed nuclei, 22:20717
LANDOWNE, Stephen Assessment of inelastic processes in two-particle transfer reactions, 25:48090
LANDRAM, Charles S. Wall to fluid heat transfer in turbulent tube flow for a disturbance in inlet temperature, 24:5788 (SCL-RR-69-131)
LANDRE, E. Collection of spectral diagrams of solar radio type IV events, 22:31589
LANDREAUD, B. Blood lipid peroxides induced by ^{198}Au intraperitoneal irradiation, 25:32547
Effect of radiotherapy on plasma lipids in cancer patients, 23:22346
In vitro formation of blood lipid peroxides under the influence of radioisotopes, 23:38456
LANDRE-RUCH, Claudie Tumorigenesis induced by Agrobacterium tumefaciens in x-irradiated artichoke tissue, 21:18192
LANDRGOT, B. Femur fractures resulting from therapeutic irradiation for gynecological tumors, 21:14755
LANDROT, Jean-Pierre Study of transient states in thermo-ionic converters, 23:10475 (CEA-R-3400)
Variable-regime thermionic converters, 22:13289
LANDRUM, J. Observations on scattered-neutron effects in LRL Van de Graaff pit, 22:9720 (UCID-15235)
LANDRUM, J. H. Half-life of ^{235}Np, 24:40628
Separation of Re from Cu, Mo, and W and its spectrophotometric determination, 21:1245 (LA-3550)
LANDRUM, Jerry H. Mass spectrometric method for determination of ^{237}Np, 23:24095
LANDRY, A. F. Neutron moderation at cryogenic temperatures in a light water pool nuclear reactor, 22:47037
LANDRY, J. W. Design and evaluation of a delayed-neutron leached-hull monitor, 22:12225 (ORNL-4135)
LANDRY, M. J. Laser light detecting and ranging systems, 23:2702 (SC-DR-67-850)
Mobile laser transceiver used for detecting long range, slow velocity, and low density targets, 21:34407 (SC-DC-67-1596)
Study of output of Q-switch laser system, 21:27869 (SC-TM-67-185)
LANDRY, Murphy J. GB-60A light detecting and ranging system, 22:16739 (SC-DR-67-115)
GB-lidar system, 22:1931 (SC-DC-67-1948)
LANDRY, P. C. Effect of axial compression on Neel point of Dy, 25:25233
LANDSBERG, H. E. Advances in geophysics. XIII, 24:44114
LANDSBERG, Hans H. Desalted seawater for agriculture, 23:31217
LANDSBERG, L. G. Large scintillation counters and counters intended for operation in magnetic fields, 21:6286
Unusual processes in field of high energy physics, 22:44339 (ANL-Trans-650)
LANDSBERG, P. T. Comments on sum rules, 22:15854
Energy flux from 3°K radiation, 23:6871
Energy levels and Lorentz invariance, 25:36374
Ensemble versus time average probabilities in relativistic statistical mechanics, 25:59238
Phonon cascade theory, 21:33512 (AD-634445)
Solid-state theory, 24:12913
LANDSHOFF, P. V. Analytic s-matrix, 21:17193
Cayley transform of the S matrix, 23:15273
Deep inelastic neutrino scattering, 25:30809
Dual quark—parton model and high energy hadronic processes, 25:56481
Electron—positron annihilation at high energy, 24:32982
Fubini sum rules for vertex functions, 22:3293
Grand-daughter trajectory in the ladder approximation, 22:46560
Iterations of Regge cuts, 23:37023
Non perturbative parton model of current interactions, 25:28015
Non-analytic S-matrix, 23:46828
Parastatistics and unified theory of identical particles, 22:5522
Partons and duality in deep inelastic lepton scattering, 25:28001
Pion dominance and the Adler—Weisberger relation, 22:11650
Reggeon amplitudes in cut discontinuities and multiperipheralism, 24:13204
Scaling law for deep inelastic scattering in new Veneziano-like amplitude, 24:52025
Scaling laws in high-energy neutrino reactions, 25:12166
Signature in production amplitudes, 23:25714
Simple model containing daughters, 22:35139
Some recent work in Regge theory: Regge cuts, the absorption model, and Glauber theory, 25:19992
Three-Reggeon vertex, 23:42765
Three-Reggeon vertex, 23:52021
Two high energy processes involving detected final state particles, 25:59401
Two-Reggeon/particle coupling, 23:37011
Upper energy limit to validity of Glauber theory of shadow scattering, 23:18928
Veneziano-like model for a two-current amplitude, 25:19954
LANDSHOFF, R. K. Slowing down of atomic particles by elastic scattering. report no. 2-12-66-1, 21:19291 (AD-637003)
LANDSHOFF, Rolf K. Thermal radiation phenomena. V, 23:16029 (AD-672837)
LANDSMAN, A. P. Characteristics of p-n junction photovoltaic energy converters, 21:5115
Effect of electron bombardment on some parameters of silicon photoelectric devices, 22:28270
High-temperature annealing of irradiated n—p transitions, 22:15634
Kremnii-1 dosimeter, 24:48333
Radiation resistance of silicon photoconverters, 21:8666
Radiation stability of silicon detectors during irradiation with 2.3-MeV protons, 22:2477
LANDSPERSKY, H. Activated sintering of UO_2 and an attempt at its interpretation, 21:41647
Degassing of uranium dioxyde pellets compressed with binders, 25:32775 (UJV-2372-M)
Effects of preparation methods on the surface area and structure of ammonium polyuranate, 21:12386 (UJV-1332/65)
Oxidation of UO_2 containing small additions of other oxides, 21:10353
LANDSPERSKY, Hanus Changes in residual carbon content in UO_2 pellets during decarbonization and sintering, 25:11482
Changes in residual carbon content in UO_2 pellets during decarbonization and initial phases of sintering, 25:19274
Characterization of UO_2 powders and its application in the production of sinterable UO_2, 24:14904
Hydration—dehydration cycling of UO_3, 21:26899
Preparation of sintered UO_2 pellets from powdered U_3O_8. II, 25:739
LANDSTREET, J. D. Detection of circular polarization in a second white dwarf, 25:19329
Discovery of circular polarization in the white dwarf G99—37, 25:30072
Discovery of circularly polarized light from a white dwarf, 24:39764
Discovery of periodic variations in the circular polarization of the white dwarf G195—19, 25:30073
Magnetic observations of white dwarfs, 24:35014
Polarization studies of Grw + 70°8247, 25:811
Search for optical circular polarization in the Crab Nebula, 25:27348
LANDSTREET, John D. List of magnetic null lines of astrophysical interest, 24:17439
Magnetic axes in the magnetic variables, 24:19585
LANDSTREET, John Darlington Effects of a large magnetic field on energy transfer in white dwarf stars, 21:22947 (AD-643427)
Synchrotron radiation of neutrinos and its astrophysical significance, 21:14937
LANDSTROM, O. Investigation of trace elements in marine and lacustrine deposits by means of a neutron activation method, 22:1944 (AE-296)
Trace elements in marine and lacustrine deposits by neutron activation method, 24:146
LANDSTROM, Ove Automatic group separation system for simultaneous determination of great number of elements in biological material, 22:8020
LANDT, D. L. Reflection and absorption of electrostatic waves in an inhomogeneous plasma, 25:3153
LANDT, Jeremy A. Shape of a solar wind disturbance on July 9, 1966, 24:47144
LANDUSKY, C. A. Preliminary examination of prototype refractory bimetallic tubing from Nuclear Metals, Inc, 22:631 (N-67-22891)
LANDWEHR, G. Screened hydrogen-like impurity in a strong magnetic field, 24:18053
LANDWEHR, Heinz Locking mechanism for a control rod, 21:5709
LANDWEHR, J. M. Moments of first-passage distributions in slab geometry, 23:32881 (ANL-7519)
LANE, A. D. Design of rodded UO_2 fuel bundles for high power outputs, 21:44812 (AECL-2945)
Factors affecting design of rodded UO_2 fuel bundles for high power outputs, 22:30264
Performance of Zr alloy clad UO_2 fuel for Canadian pressurized and boiling water power reactors, 22:42155 (AECL-3068)
Performance of Zr-alloy-clad UO_2 fuel for Canadian pressurized and boiling water power reactors, 22:32894
LANE, A. M. Comprehensive formalism for nuclear reaction problems; derivation of existing reaction theories, 21:2786
Comprehensive formalism for nuclear-reaction problems. II, 21:44790
Comprehensive formalism for nuclear-reaction problems. III, 24:11043
Fine structure in analogue states, 24:40700
Multichannel cancellation effects in analog asymmetry and broadening, 23:40150
Non-statistical effects in neutron resonance capture, 24:30926
Nuclear resonance reactions in 1967, 25:59847
Optimization of nuclear resonance reaction calculations, 23:31072
Partial width correlations and common doorway states, 25:39096
Present theory of capture, 24:47671
LANE, Arthur Lonne Vacuum ultraviolet photochemistry of propane above and below ionization, 23:28652 (CALT-532-35)
LANE, B. Large artery damage after x radiation, 24:14614
LANE, B. C. Octahedral complexes of U(IV). II, 23:49810
LANE, C. E. Irradiation and enzyme ontogenesis, 24:23349 (CONF-690501-, pp 975-84)
LANE, Carlton Radon-daughter ions and their relation to some electrical properties of the atmosphere, 21:6081
LANE, Clyde H. Prog. rpt. on reactively sputtered cermet resistors, final, 5/65—5/66, 22:722 (AD-648018)
LANE, D. Irradiation gastritis simulating carcinoma, 25:4712
LANE, Donald L. Evaluation and certification of Ferranti X-Y coordinate measuring machine, 24:22568 (UCRL-50782)
Method for evaluation and certification of the Moore Model No. 3 Universal Measuring Machine, 23:45171 (UCRL-50679)
Method for evaluation and certification of the Sheffield Small-Radius Gage, 24:29165 (UCRL-50815)
Method for evaluation and certification of Sheffield 20-inch rotary contour gage, 24:36138 (UCRL-50837)
Method for evaluation and certification of SIP Trioptic universal measuring machine, 24:43928 (UCRL-50879)
LANE, E. A. Radioisotope analytical techniques in mineral processing, 23:37879
Radiopharmaceuticals in nuclear medicine, 25:13519
LANE, E. G. New value for the solar constant of radiation, 22:28994
LANE, E. S. Gel process development in U. K, 24:30006 (CONF-700502-, pp 137-49)
Urania aggregate and spheres by a sol—gel route, 23:3130
Urania-preparation of sols, aggregate, and spheres, 21:9212 (AERE-R-5241)
LANE, Edward Sydney Improvements in or relating to the precipitation from sols of materials containing metals in non-elemental form, 25:49510
LANE, F. E. FISSPROD: fission product program for thermal reactor calculations, 22:20404 (CONF-680307-16)
FISSPROD: G-20 computer program, 24:16303 (AECL-3038)
LANE, F. O. Jr. Initial results from a two dimensional Lax—Wendroff hydromagnetic code, 22:50150 (SC-DC-68-2404)
Initial results from a two-dimensional Lax—Wendroff hydromagnetic code, 23:1426 (LA-3990, pp C7.1-8)
LANE, Frank W. Jr. Computer technique for intracavitary radium dosimetry, 21:43386
LANE, G. Optical constants of uranium plasma, 22:18541 (GA-8244)
LANE, J. A. Calculating fuel cycle costs for light water reactors, 21:5628 (ORNL-P-2532)
Comparative evaluation of the performance and economics of heavy-water-moderated reactors, 22:30255
Molten salt reactors, 21:7891 (ORNL-P-2534)
Nuclear safety economics, 21:40620
Optimum utilization of nuclear fuels, 21:8126 (ORNL-P-2535)
Philippine special fund project, 21:7892 (ORNL-P-2536)
Power plant capital cost normalization, 23:33004 (ORNL-TM-2385)
Power reactors for the future: an evaluation, 25:18149
Tropospheric attenuation at 190 GHz, 24:45130
LANE, J. E. Wetting of solid metals by liquid alkali metals, 21:43598
LANE, J. R. Critical materials in an advancing technology, 23:24785
Effects of continous ^{90}Sr ingestion by mice, 25:6789 (UCD-472-117, pp 108-11)
LANE, James A. Economics of nuclear power, 21:17490
Rationale for low cost nuclear heat and electricity, 25:23139
Rationale for low-cost nuclear heat and electricity, 23:31102 (CONF-680810-, pp 3-28)
Test-reactor perspectives, 23:28566
LANE, Kenneth CP-invariance violation as second-order weak effect, 25:59540
LANE, Kenneth D. Approximate chiral symmetry and leakage contributions to Fubini—Furlan K/sub l3/ sum rule, 25:19970
Chiral symmetry breaking and K/sub l4/ axial-vector form factors, 25:9743
LANE, Kenneth Douglas Chiral symmetry breaking and the K/sub l3/ and K/sub l4/ form factors, 25:20041
LANE, M. R. Compliance of protection systems to industry criteria: General Electric BWR nuclear steam supply system, 24:38394 (NEDO-10139)
LANE, N. F. Collisional excitation of He^+ ions by carbon atoms, 24:3169
Electron cooling by vibrational excitation of O_2, 23:30428
LANE, Neal F. Cross sections for collisions between 2^3S metastable and ground-state helium atoms, 24:8347
Differential elastic and rotational excitation cross sections for electron—H_2 scattering, 23:41957
Low energy electron—molecule scattering experiments and the theory of rotational excitation, 25:55855
Low-energy elastic and fine-structure-excitation scattering of ground-state C^+ ions by H atoms, 25:38157
Polarization and exchange effects in low-energy electron—H_2 scattering, 23:32185
Polarization and exchange effects in low-energy-electron—D_2 scattering, 25:38163
Polarization potential in low-energy electron—H_2 scattering, 22:41372

  - Rotational excitation of diatomic molecules by slow electrons: application to H_2, 21:37156
- LANE, R. Physics performance of the Peach Bottom HTGR, 21:44834 (GA-8117)
  - Reactivity coefficient measurements in Peach Bottom, 21:12134 (GAMD-7355)
  - Zero power noise analysis and rod scram transient measurements in Peach Bottom, 21:12137 (GAMD-7359)
- LANE, R. A. Identification of protective oxide film formed on Co—Cr—Mo alloy, 24:39604 (AWRE-O-18/70)
- LANE, R. C. Critical mass measurements with thin discs of 45.5 percent enriched U, 23:11272 (AWRE-NR/A-1/62)
- LANE, R. K. Core heat transfer measurements during rise to power in Peach Bottom, 22:24960 (GAMD-7911)
  - Flux distribution measurements in Peach Bottom, 21:15652 (GAMD-7353)
  - On-site experimental investigation of transition regime core heat-transfer coefficients in the Peach Bottom HTGR, 22:32875
  - Physics performance of the Peach Bottom HTGR, 21:35626
- LANE, R. O. ^{11}B states, 25:50657
  - Polarization and differential cross section for neutrons scattered from ^{12}C, 24:15800
  - Polarization in the small-angle scattering of 0.83-MeV neutrons by U, 21:21548
  - Scattering of neutrons from nuclei, 21:11916 (ANL-6172)
  - States in ^{11}B observed in the scattering of neutrons by ^{11}B, 25:7814
  - Study of ^{10}B cross sections, 25:53592 (CONF-701002-, pp 107-20)
- LANE, R. S. Use of ^{14}C labeled arginine to measure catabolic rates of proteins and recycling of amino-acids, 21:36501
- LANE, Richard A. Color television survey in Pennsylvania, 25:42501
- LANE, Richard G. Energy deposited in low-atomic-number materials by 43.7-MeV protons, 22:21890
- LANE, Richard K. Physics results from Peach Bottom unit 1 operations, 24:7032
- LANE, Robert H. Use of trace element in studying movements of small mammals, 21:41312 (COO-1485-14)
- LANE, S. Ion-mobility spectrometer for radiochemical applications, 25:10903
- LANE, Stanley L. Treatment of advanced cancer of head and neck with irradiation and surgery, 24:17120
- LANE, W. B. Radiochemical and physical measurements of debris from underground nuclear detonation, 23:49973 (AD-690483)
- LANE, William B. Beta dosimetry for fallout hazard evaluation, 25:49170 (AD-715017)
  - Beta radiation dosimetry for fallout exposure estimates, 24:9825 (AD-693160)
  - Experimental investigation of plant uptake contamination factors, 24:7711 (AD-694531)
  - Fallout simulant development, 23:432 (AD-670010)
  - Fallout simulant development, 25:48614 (AD-717281)
  - Production of synthetic fallout at camp parks, 25:48753
  - Uptake of radionuclides by plants, 21:17952 (NP-16646)
- LANE, William G. Prog. rpt. on Bulgur wafer and adjuncts for fallout shelter rations, annual, 7/1/65—6/30/66, 22:40657 (AD-651224)
- LANE, Williams B. Zinc bromide radiation-shielding window maintained under an inert gas atmosphere, 21:8509
- LANEGRASSE, L. Alpha spectrometer for measuring the degree of radioactive equilibrium between ^{222}Rn and its daughter products in U mines, 25:26503
  - Mobility of radioactive ions, 25:4395
- LANERI, U. Ecological site survey at Trisaia, 25:29479
  - Ecological study of CRN site at Trisaia, 24:39469 (RT/PROT-(69)43)
- LANEY, Barton H. Dead time generator for liquid scintillation counting system, 25:44599
- LANEY, R. V. Status and experimental progress in the LMFBR program, 25:39208 (A/CONF.49/P-45)
- LANEY, Radford P. Mechanism of action of ceruloplasmin in inhibiting ascorbic acid-induced depolymerization of hyaluronic acid, 22:30982
- LANEY, W. M. Effects of reactor radiation on mixed 5P4E used as a lubricant in a high-speed, high-temperature bearing-rig, 22:8849
- LANFORD, Cooper H. Thermal and photochemical solvolysis of hexathiocyanatochromate(III) ion in acetonitrile—water mixtures, 23:24207
- LANFORD, W. A. Seniority for nucleons in $j = 9/2$ orbits, 24:3978
- LANFORD III, Oscar E. Cut-off model field theories, 24:10819
  - Mean entropy of states in quantum-statistical mechanics, 22:46300
  - Statistical mechanics of quantum spin systems. III, 22:52902
- LANFORD III, Oscar Erasmus Construction of quantum fields interacting by a cutoff Yukawa coupling, 21:33772
- LANFRANCO, G. Gamma-ray spectrometry and its analytical applications, 22:2410
  - Purity control of lead by neutron activation analysis. I, 21:12367
  - Purity control of lead by neutron activation analysis. II, 21:12370
- LANFRANCO, Giovanni Determination of K by its natural gamma radioactivity, 22:25272
- LANFREDINI, L. Radioprotective action of haematoporphyrin on endogenous spleen colony-forming units, 25:4572
- LANG, A. H. Roles of the Geological Survey of Canada in former U programs, 25:13127
- LANG, C. Decay of ^{180}Ta, 24:52567 (ORNL-tr-2294)
- LANG, C. E. Lanthanide distribution coefficients on Dowex chelating resin A-1, 23:2410
  - Stability trends for lanthanides on Dowex A-1, 23:13847
- LANG, D. Investigation on the stability of the counter efficiency of Geiger-Mueller tubes, 21:1588
- LANG, D. V. Spin-diffusion limitations for high-sensitivity NMR techniques, 25:1338
- LANG, D. W. Generation and statistical analysis of synthetic cross sections, 23:21409
- LANG, Donald W. Evaporative data on intermediate resonances in nuclear reactions, 21:23552
- LANG, E. Irradiation facility for in-pile measurements of electrical resistivity at higher temperatures, 23:16009 (EUR-4196)
  - Quenching techniques as applied for certain FCC metals and alloys, 23:48346 (EUR-4283)
  - Radiation enhanced diffusion in face centered cubic Cu—Zn alloys, 24:21854
- LANG, Erich K. Accuracy of roentgenographic techniques in the diagnosis of renal mass lesions, 25:16248
  - Changes of the diploic space secondary to anemias mimicking intracranial lesions on technetium scintiscanograms, 23:35807
  - Superselective arterial catheterization of tumors of the urogenital tract: a modality used for perfusion with chemotherapeutic agents and infarction with radioactive pellets, 24:39535
  - Superselective arterial catheterization as a vehicle for delivering radioactive infarct particles to tumors, 25:24296
- LANG, F. M. Action of air between 25 and 620°C on an active carbon black, 23:41697
  - Carbon oxidation, 24:38803 (DP-Report-117)
  - Changes in the microporosity of purified nuclear graphite during thermal and radiolytic oxidation, 23:12443
  - Preparation of carbon fibers from petroleum tar, 25:49514
  - Thermal degassing under vacuum of nuclear graphite after radiolytic oxidation, 23:11547
- LANG, Francois Michel Evolution of structure of graphite, determined by microscopic examination after thermal oxidation, 22:41134
- LANG, Francois-Michel Different states in system water—carbon, 22:30527
  - Morphological development of corrosion patterns on natural, purified graphite oxidized at 620 deg C by dry or humid air, 21:4986
- LANG, Fred D. Computer application of cyclic reactivity carryover effects in fuel management, 24:33193
- LANG, G. Application of the Moessbauer effect in biology, 25:55105
  - Arrangement for pulse radiolysis at high pressure, 23:40722
  - D_2O supply according to the H_2/NH_3 dual temperature process, 23:26347
  - Gamma radiolysis of isopropanol + benzophenone mixtures, 22:2153
  - Magnetic hyperfine structure in Moessbauer spectra of $K_3Fe(CN)_6$, 22:15577
  - Pulse radiolysis at high pressure, 23:43361
- LANG, Gerhard Optimization of a heavy-water enrichment plant based on H_2/NH_3 exchange, 25:54748
- LANG, H. Applied magnetohydrodynamics. No. 4, 23:36551 (JUL-580-TP)
  - Experiments in MHD restricting jet tube project, 21:29084
- LANG, H. J. Computer control of analyzing magnets at Van de Graaff facility, 24:35753
  - Door alarm and interlock system at Los Alamos tandem accelerator facility, 24:30653
- LANG, Harold J. Door alarm and interlock system at Los Alamos tandem accelerator facility, 24:2448 (LA-4262)
- LANG, Herbert Investigation of energy distribution of neutrons in beam tube of reactor with low-pressure cloud chamber in region of 10 keV to 1.5 MeV, 24:9145 (JUL-599-RX)
- LANG, Hermann Device for accelerating the flow of a liquid, 21:33255
  - Influence of shell structure and pairing interaction on nuclear level densities, 25:23091
  - Nuclear ramjet, 21:2870
- LANG, Huynh-ngoc Studies on chemical behaviour of radionuclides in seawater. I, 22:35954
- LANG, J. Capture of protons by deuterons, 22:9772
  - Energy dependence of proximity scattering, 24:1764
  - Portable ^{235}U/^{238}U isotopic mass spectrometer for process control, 22:38140 (GAT-571)
  - Second-order refocusing 15-inch mass spectrometer for ultra-precise isotopic ratio measurements of uranium hexafluoride samples, 25:51362 (GAT-655)
- LANG, J. E. Dip mechanisms at $J = -1$, 23:23489
  - Mandril materials and shapes for annular oxide fuel elements, 21:36902 (KAPL-3321)
  - Refractory cores for annular pellet nuclear fuel elements, 22:2697
- LANG, James Spectral intensity, angular distribution, and polarization of synchrotron radiation from a monoenergetic electron, 25:17443
- LANG, James E. Fuel element containing a mechanically compressible mandril, 21:1936
- LANG, Johann Coincidence measurements on capture γ rays from ^{149}Sm, 21:15575
- LANG, Joseph Edward Macdowell symmetry, conspiracy, and fermion Regge trajectories, 25:28092
- LANG, K. Effect of stable Sr on metabolism of ^{90}Sr and Ca in growing rat, 23:20123
  - Liver function of rats after chronic feeding of ^{90}Sr, 22:28667
  - Metabolism of ^{90}Sr and Ca in growing rat, 23:38447
  - Strontium-90 in chronic feeding studies. I, 22:8466
  - Strontium-90 on chronic feeding studies. II, 22:12767
- LANG, K. R. Interstellar scintillation pattern from observations of CP 1133, 24:17503
  - Occultation of Sagittarius A by the Moon, 23:20599
  - Radio emission of normal galaxies, 23:14554
- LANG, Kenneth R. Additional periodic variations in the radiation intensity of pulsars, 24:39782
  - Interstellar scintillation of pulsar radiation, 25:19351
  - Interstellar scintillations of pulsar radiation, 24:4939
  - Occultation studies of weak radio sources list 4, 24:23647
  - Pulsar radiation intensity, 24:8278
  - Pulse broadening due to angular scattering in the interstellar medium, 25:13853
  - Radio emission of quasi-stellar objects, 23:51251
  - Radio spectrum of NGC 4278, 22:29123
  - Theory of lunar occultation, 24:8270
- LANG, L. W. Cost effectiveness analysis in FFTF design, 21:38695
  - Dependence of fast reactor start-ups on the thorium fuel cycle, 24:7135
  - Incentives for thorium—uranium crossed progeny fueling for breeder-converter reactor systems, 23:33050 (DUN-SA-72)
  - Power cost reduction by crossed-progeny fueling of thermal and fast reactors, 23:2038
  - Power cost reduction from isotope revenues, 22:119
  - Thorium can reduce power costs for thermal and fast reactors, 22:32908
  - Utility incentives for implementing crossed-progeny fueling, 24:46066
- LANG, Leonard P. Cylindroma and lymphoblastoma following radiation therapy, 23:50903
- LANG, Neil C. Velocity corrections for total scattering cross sections, 25:58757
- LANG, P. M. Optimization of the primary piping and the steam generator for gas-cooled nuclear reactor systems, 21:4649
- LANG, Peter M. Operating procedures and review of thermal aspects of dry sipping method for failed fuel detection, Elk River reactor, 23:11122 (NUS-TM-ES-5)
- LANG, R. M. Apparatus for plasticity experiments under biaxial stresses, 25:18282 (LA-4550)
- LANG, Raymond E. AEC experience with on site contract administration of nuclear fuel, 25:32160 (CONF-700541-, pp 21-32)
- LANG, Robert M. Integrated circuit control system for Pewee reactor, 23:4389 (LA-DC-9620)
- LANG, T. P. Deuteron disintegration, neutral currents, and antineutrino spectra from fission, 25:33667
- LANG, W. Atomic absorption and flame emission spectrometry, 23:4551
  - Contribution to experimental thermal shock analysis, 25:34776 (EURFNR-794)
  - Experimental thermal shock analysis, 24:51153 (KFK-1168)
  - Flow induced temperature and pressure pulsations in rod bundles, 24:43734 (EURFNR-784)
  - Method of thermal shock analysis, 25:13183
- LANGAN, D. Behavior of end slabs in cylindrical prestressed concrete pressure vessels, 25:56986
  - Correlation between theory and experiment: Wylfa vessel, 23:11132
  - Design of pod boiler pressure vessels, 25:56885
  - Model philosophy in relation to prestressed concrete pressure vessel design problems, 25:29307
- LANGAN, J. K. Pinhole scintillation camera and /sup 99m/Tc-pertechnetate in normal thyroid scanning, 25:29586
- LANGAN, James K. Display and storage system for radionuclide images, 24:12182
  - Radioactive Xe in diagnosis of pulmonary embolism, 23:6508
  - Tomographic imaging with the scintillation camera in the detection and characterization of brain lesions, 25:24259
- LANGBEIN, G. Status of the flow theory tasks in the project Uranium Enrichment with Gas Centrifuges, 25:51716 (K-Trans-61-4)
- LANGBEIN, W. Prevention of stress rupture formation of thermoplastics by radiation cross-linking, 25:2249
  - Radioinduced reactions in polyoxymethylene, 21:38978
  - Radioinduced reactions in polytetrahydrofuran, 24:13984
  - Results of radioiodine thearapy (^{131}I) for hyperthyreoses, 22:38347
- LANGBEIN, Werner Heuristic basis of field equations of free particles, 21:4111
  - Physical interpretation of manifest covariant representations of the inhomogeneous Lorentz group for zero mass, 21:33629
  - Position operator and localization for particles of vanishing rest mass, 21:13688
- LANGBERG, Edwin Prog. rpt. on high-power magnetically confined plasma duplexer, final, 5/31/63—8/31/65, 21:720 (AD-632344)
- LANGDON, A. Mass spectrometer analysis of neon isotopes, 25:48435 (K-1818)
  - Mass spectrometer for isotopic analysis of boron trifluoride, 22:48816 (K-L-2165)
- LANGDON, A. B. Theory and experiments for plasma consisting of clouds interacting with clouds, 23:1428 (LA-3990, pp D2.1-5)
- LANGDON, A. Bruce Effects of the spatial grid in simulation plasmas, 25:1213
  - Finite-size particle physics applied to plasma simulation, 24:49160
  - Nonphysical modifications to oscillations, fluctuations, and collisions due to space—time differencing, 25:9459 (UCRL-72635)
  - Theory of plasma simulation using finite-size particles, 24:40085
- LANGDON, Allan Bruce Sheet model for bounded plasma with magnetic field and radiation, 24:15318
- LANGDON, Aubrey Cartridge-type vacuum lock for a thermal-ionization mass spectrometer, 22:18723
  - Solid state direct-current amplifier system for mass spectrometry, 23:31573 (K-1774)
  - Vacuum-lock actuator and ion-source positioner for a surface ionization mass spectrometer, 23:41134 (K-1776)
- LANGDON, T. G. Creep mechanisms in stoichiometric uranium dioxide, 25:13759
  - Use of dimensional changes to determine grain strain during creep, 22:8748 (UCRL-17832)

- LANGDON, Terence G. Examination of polycrystalline MgO by transmission electron microscopy, 21:14903 (UCRL-16887)
  - Factors influencing the stress-strain behavior of ceramic materials, 25:23493 (UCRL-20383)
- LANGE, A. L. Resource evaluation and geologic data processing systems for sedimentary host rocks of uranium ore, 23:11663 (GJO-115-1)
- LANGE, Aloisie Destruction of bacterial pyrogens by physical procedures, 22:16975
- LANGE, Arno Photometric determination of Ta with pyrogallol, 23:29
- LANGE, C. S. An outline of studies on the cellular basis of planarian radiation lethality, 23:2913
  - Cellular basis of radiation lethality. I, 22:49517
  - Cellular basis of radiation lethality. V, 23:22360
  - Cellular basis of radiation lethality. IV, 23:24718
  - Cellular basis of radiation lethality. III, 23:33817
  - Estimation of survival curve parameters for the cells of organized tissues in vivo from split dose data, 25:8777
  - Relative importance of repair and progression in Elkind recovery as measured in synchronous HeLa cells, 24:41953
  - Studies on cellular basis of radiation lethality. II, 23:20331
- LANGE, D. Coincidence experiments for neutron capture reactions, 21:44667 (KFK-562)
  - Correction of the exit output voltage of a ratemeter by means of an analogue circuit, 25:21418
  - Double tracer scintigraphy with Anger camera, 25:44855
  - Infrared thermography with a color scanner used in nuclear medicine, 25:13498
  - Internal pair formation spectrometer for neutron capture spectroscopy, 24:46502
  - Malignant tumors in otorhinolaryngology. I, 24:17078
  - New type of internal pair formation spectrometer, 22:10590
  - Sequential use of Anger camera in double-tracer studies, 25:10928
  - Simultaneous double isotope investigations in functional studies. I, 25:44857
  - Simultaneous investigations with two isotopes by means of the Anger type scintillation camera, 24:34453
  - Study of simultaneous radioactive gold and cytostatic therapy in the treatment of malignant effusions, 25:44873
  - Technical advances of pancreatic scintigraphy with fast scanner (Dynapix), 25:11212
  - Use of an analogue circuit for on-line correction in simultaneous double-tracer studies, 25:26569
- LANGE, Dieter Simultaneous double-isotope scintigraphy with an Anger camera, 25:13500
- LANGE, E. A. Characterization of fracture toughness of 5Ni—Cr—Mo—V steel by Charpy V-notch and dynamic tear tests, 23:24859 (NRL-6873)
  - Dynamic tear energy: a practical performance criterion for fracture resistance, 24:9990 (NRL-6975)
  - Fatigue crack propagation and fracture studies of pressure vessel steel, 22:35414 (AD-663133)
  - Low cycle fatigue crack propagation in pressure vessel steels, 21:36855
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 12/65—3/66, 21:6795 (AD-641262)
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 4—6/66, 21:13151 (NRL-6513)
- LANGE, F. Better performance and smaller ac losses of superconducting solenoids, 24:5107
  - Experiments with superconducting magnets, 23:23044
  - Magnetic instabilities in superconducting materials, 25:45409
  - Metal cryostats for superconducting solenoids, 22:48065
  - Optimum design of superconducting solenoids and superconducting permanent magnets with ferromagnetic pole pieces, 22:29413
  - Pulse generator for a megavolt total charging voltage in a compact volume. I, 21:25373
  - Pulse generator for megavolt total charging voltage in compact volume. II, 23:23583
  - Superconducting device for enlarging magnetic flux changes, 22:41516
  - Superconducting permanent magnet from Nb$_3$Sn with Fe core, 21:11575
- LANGE, G. Behavior of solid fission products in pyrolytic carbon and graphite, 25:2797
  - D$_2$O supply by hydrogen—ammonia two-temperature process, 24:9433 (LIB/Trans-224)
  - Experimental studies on the reaction of graphite with steam, 25:46229 (EUR-4344)
  - Independent yields of /sup 124g/Sb, /sup 126g/Sb, and ^{160}Tb in neutron fission of ^{235}U, 25:15038
  - Reception conditions of WWV signals as a function of solar activity, 23:10547
  - THTR reactor gas cleanup studies, 25:46255 (EUR-4338)
- LANGE, H. Combined radiation and heat treatment of liquids in nuclear reactor underground, 22:18578
  - Ionospheric conditions following the proton flare event of July 7, 1966. II, 23:22830
  - Underground mining reactor, apparatus, and method, 22:22785
- LANGE, H. Hegelund Neutron activation analysis, 24:27016
- LANGE, J. Contents of ^{90}Sr and ^{137}Cs of bream of territorial waters of North Germany, 21:1710 (CEA-tr-A-1880).
  - Deuteron excitation functions for formation of ^{24}Na and ^{22}Na, 23:39984
  - E2/M1 mixing ratios of γ-transitions from γ-vibrational band to ground state band in ^{152}Sm, ^{154}Gd, and ^{168}Er, 25:50752
  - Evaluation of unknown excitation functions for (α,xn) and (d,xn) reactions, 25:18018
  - Excitation functions for deuteron reactions with ^{141}Pr, 23:1909
  - Ion abundances in the solar wind, 25:7045
  - Isomer of ^{139}Nd with a 29.7-min half-life, 22:27129
  - Paramagnetic correction factor of Yb, 24:30405
  - Quadrupole ratio Q^{3+}/Q^{2+} in ^{173}Yb, 25:5760
  - Some experiences with the pyrohydrolytic separation of micro-amounts of fluoride from special-glasses, 25:31813
  - Strontium-90 and ^{137}Cs content of carp from north German inland waters, 21:28413
  - Two-quasi-particle rotational band at 1172 keV in ^{172}Yb, 25:31367
- LANGE, J. N. Elastic properties of superconductors: Nb, V, and Ta, 24:15243
- LANGE, James N. Hypersonic attenuation in niobium in the mixed state, 24:47177
- LANGE, Juergen Determination of some excitation functions for deuteron reactions with ^{141}Pr, 21:46721 (KFK-519)
  - Estimation of unknown excitation functions for (α,xn), (α,pxn), (d,xn), (d,pxn), and (p,xn) reactions, 23:4052 (KFK-767)
  - Estimation of unknown excitation functions for (α,xn)-(α,pxn)-, (d,xn)-, (d,pxn)-, and (p,xn)-reactions, 25:12529 (ORNL-tr-3020)
- LANGE, Klaus W. Solubility of H in Ni—Mo and Ni—W alloys, 23:12274
- LANGE, R. Theoretical ground motion predictions supporting HEST program, 25:41950 (AD-718388)
- LANGE, R. C. Beta decay of ^{193}Os to levels in ^{193}Ir, 24:6940
  - Ground state parity of ^{227}Ac, 22:42043
  - Levels and transitions in ^{208}Bi, 23:49424
  - Levels, transitions, and rotational structure in ^{227}Ac, 23:15479
  - Weak alpha and electron-capture decay in ^{208}Po and ^{209}Po, 21:5534 (MLM-1251)
- LANGE, R. D. Effect of erythropoietin on transplanted hematopoietic tissue, 22:40924
  - Effect of hypoxia, irradiation, and bone marrow transplantation on erythropoietin levels in mice, 24:25396
  - Effect of radiation, erythropoietin, and actinomycin D on rabbit bone marrow cells, 23:29721
  - Mode of action of erythropoietin in polycythemic mice. III, 25:16343
- LANGE, R. V. Inequalities for the energy and free energy of many-body systems, 23:27726
- LANGE, Robert C. Barium-131 for bone scanning, 24:17087
  - Decays of ^{210}Bi and /sup 210m/Bi to levels in ^{206}Tl, 23:42951
  - Half life of /sup 210m/Bi, 23:40067
  - Use of /sup 135m/Ba and ^{131}Ba as bone-scanning agents, 25:37838
- LANGE, Robert D. Prog. rpt. on role and utilization of erythropoietin in stimulating erythropoiesis, 2/7/68, 22:23413 (ORO-3547-6)
  - Prog. rpt. on role and utilization of erythropoietin in stimulating erythropoiesis, 5/70, 25:37733 (ORO-3547-43)
- LANGE, W. Reactive and high-melting metals, 23:41638
- LANGE, W. J. Calibration of low pressure Penning discharge type gages, 21:6184
  - Modulation characteristics of several Bayard—Alpert type gages, 21:6179
  - Prog. rpt. on ultrahigh vacuum techniques, semiannual, 6—11/66, 21:17811 (WERL-2823-24)
  - Prog. rpt. on ultrahigh vacuum techniques, final, 5/67, 21:30678 (WERL-2823-26)
- LANGE, Walter H. Method of measuring oil consumption in an engine, 23:50047
- LANGE, Yvonne Fermion impurities in a weakly interacting Bose gas, 21:33321
- LANGECKER, K. Decontamination of laundry plant waste waters, 22:20941 (ZFK-RN-31, pp 217-29)
  - Decontamination of Rheinsberg primary coolant circuit, 24:16086
  - Estimation of fuel element failures, 24:16085
- LANGE-HESSE, G. Polar light observations in IGY and IQSY, 24:1330
  - Substorm influences on vhf continuous wave auroral backscatter, 25:27554
  - VHF bistatic aurora backscatter communications: comparison of observations with theory, 22:29377
  - Vhf bistatic auroral backscatter communication, 22:46028
- LANGE-HESSE, Guenther Observations of ionospheric phenomena during geomagnetic storm 10/31—11/2/68, 25:1077
- LANGEL, H. Thickness and density measurements with the aid of nuclear radiation, 24:46529
  - Thickness measurements on hot glass sheets in manufacture of plate glass, 21:28285 (EUR-3269.d)
- LANGEL, R. A. OGO-2 magnetic field observations during magnetic storm, 22:38893 (N-68-19435)
  - OGO-2 magnetic field observations during magnetic storm of March 13—15, 1966, 23:5291
- LANGEL, Robert A. Asymmetric ring current at twilight local time, 25:43241
  - Model for international Geomagnetic Reference Field, 22:22058
- LANGELA, D. Accurate absolute determination of fission densities in fuel rods by means of solid-state track detectors, 24:46135
  - Burnup determination of nuclear fuels by high resolution gamma spectrometry, track formation in solid-state detectors, and neutron dose measurements, 24:46195
- LANGELAND, Kaare Radioactive tracers to determine the protective effect of cavity liners, 21:14588
- LANGELAND, Leena Kaarina Radioactive tracers to determine the protective effect of cavity liners, 21:14588
- LANGELAND, Tor X-irradiation of ribonuclease and trypsin, 23:31646
- LANGELIER, R. Detection of bone metastases by an isotopic method, 25:13513
- LANGENBECK, B. Electromagnetic form factors of proton between 15 and 50 fm^{-2}, 23:8724
  - Electromagnetic form factors of the proton, 25:30786
- LANGENBERG, D. N. ac-Josephson-effect determination of e/h with sub—part-per-million accuracy, 24:32787
  - ac-Josephson-effect determination of e/h, 25:45799
  - Current—voltage characteristics of small Josephson tunnel junctions, 24:49093
  - Determination of e/h in superconductors, 23:42725
  - Determination of e/h using the ac Josephson effect, 23:20722
  - Determination of e/h, using macroscopic quantum phase coherence in superconductors. I, 23:14733
  - Josephson frequency—voltage relation at microwave and far-infrared frequencies, 23:42208
  - Measurement of 2e/h using the ac Josephson effect and its implications for quantum electrodynamics, 21:15408
  - Reassessment of determination of e/h, using macroscopic quantum phase coherence in superconductors, 24:37592
  - Study of Josephson plasma resonance, 22:24226
- LANGENBERG, Manfred Comment on the point transformations in quantum theory, 21:31500
- LANGENDORF, H. Cation distribution in the nucleus and cytoplasm of rat livers, 25:46378 (LA-tr-71-57)
- LANGENDORFF, H. Bacterial lipopolysaccharides and their effect increasing radioresistance, 25:39885
  - Cyclic AMP mechanism in actions of radioprotective substances, 25:24210
  - Effect of structural components of lipopolysaccharides on radiosensitivity of mouse, 25:44835
  - Modification of radiation effects by chemical substances, 23:22330
  - Processes and reactions of the radiobiological effect and their modification by substances in the body, 22:12867
  - Radiation protection and c AMP, 25:49211
  - Radiation-conditioned processes in the organism, 21:16273
  - Radiobiological investigations with fast neutrons. I, 25:24397
  - Radiobiological investigations with fast neutrons. II, 25:55266
  - Radiobiology in treatment of radiation injuries, 21:34682
  - Studies on biological radiation protection. XC, 24:36770
  - Study of therapeutic effect on irradiated mice of substances contained in RNA preparations, 24:19328
- LANGENDORFF, Hanns 5-hydroxytryptamine protection of rat bone-marrow chromosomes against x-irradiation in vivo, 25:4585
  - Chemical radiation protection, 23:20197 (CONF-680507-, pp 387-92)
  - Chemical radioprotection of mammalian chromosomes in vivo, 23:20298
  - Fertility of mice after fractionated and protracted radiation during gestation, 22:47589
  - Investigations of combination injuries, 24:36711
  - Investigations on a biological radiation protection agent. LXXXV, 22:43372
  - Investigations on biological radiation protection. LXXII, 21:3417
  - Pathophysiological alterations caused by combined injuries, 24:25578
  - Radiation burdens and wounds, 22:21596
  - Radiation effects on development of mammals, 24:875
  - Radiation injuries to primitive spermatoblasts of mice, 22:36366
  - Significance of time between whole-body irradiation and skin lesions for survival rate of mice, 23:41433 (ANL-Trans-764)
  - Studies of combination injuries, 24:32216
  - Studies of combination injuries. XIII, 23:50867
  - Studies on biological radiation protection. LXXXIII, 22:40794
- LANGENDORFF, Hans Fertility of female mice after fractionated irradiation during infancy, 21:45824
- LANGENDORFF, Hans-Ulrich Biological radiation protection. LXXVII, 21:10777
  - Decomposition of tryptophans and kynurenins after whole-body irradiation in the liver tissue of mice, 21:20092
- LANGENDORFF, M. Bacterial lipopolysaccharides and their effect increasing radioresistance, 25:39885
  - Effect of structural components of lipopolysaccharides on radiosensitivity of mouse, 25:44835
  - Influence of fast neutrons and x-rays on glycogen content in mouse liver, 25:499
  - Radiation protection and c AMP, 25:49211
  - Radiobiological investigations with fast neutrons. I, 25:24397
  - Radiobiological investigations with fast neutrons. II, 25:55266
  - Studies on biological radiation protection. XC, 24:36770
  - Study of therapeutic effect on irradiated mice of substances contained in RNA preparations, 24:19328
- LANGENDORFF, Margarethe Fertility of female mice after fractionated irradiation during infancy, 21:45824
  - Fertility of mice after fractionated and protracted radiation during gestation, 22:47589
  - Investigations on a biological radiation protection agent. LXXXV, 22:43372
  - Investigations on biological radiation protection. LXXII, 21:3417
- LANGENECKER, B. Influence of fast neutrons and macrosonics on metal structure, 23:20528
- LANGENHORST, J. W. Eye-controlled versus hand-controlled tracking, 25:60288 (SC-RR-710502)
- LANGENKAMP, H. Effect of various impurities on the electrical conductivity of organic coolant liquids, 25:20990 (EUR-4597)
  - MINOX: catalytic deoxygenation process for irradiated organic reactor coolants, 25:23547 (EUR-4621)
- LANGENSCHEIDT, E. Determination of the specific α-activity of ^{233}U with the help of a liquid scintillation counter method, 22:1653 (JUL-491-PC)
  - Luminescence spectra of liquid organic scintillators, 25:15898

LANGER, Edward Bibliography on stellar interiors, 1958—Mid-1966, 21:11331 (JILA-88)
LANGER, Emma Rolling texture of Ta, 24:25739
LANGER, G. Removal of aerosol particles and fractional separation of HDO—H$_2$O during snowstorms, 23:38106
  Thermoanalytical and x-ray investigations in the lead—tellurium system, 21:11310 (AERE-Trans-1063)
LANGER, George Edward Preliminary study of the structure and stability of model envelopes for long period variable stars, 24:44878
LANGER, H.-D. Diffusion of oxygen in vapor-deposited tantalum films, 25:49365
LANGER, I. Modification of effects of x-rays by means of guanine, methylene blue, and antibiotics, 25:21968
  Modification of x-ray effects by chemical substances, 24:23171
  Modification of x-ray radiation effects by means of chemical substances, 25:57974
LANGER, J. Initial value problem of Einstein—Maxwell field, 21:46450
  Surface layers with cylindric symmetry in general relativity, 25:1636
  Thin cylindrical shells in general relativity, 23:34651
LANGER, J. S. Coherent states in the theory of superfluidity, 22:15487
  Coherent states in theory of superfluidity. II, 23:42133
  Intrinsic critical velocity of a superfluid, 21:39948
  Intrinsic resistive transition in narrow superconducting channels, 22:7243
  Superconductivity in narrow channels, 23:42165
  Theory of nucleation rates, 22:48071
LANGER, Jiri Experimental verification of general relativity, 23:39827
LANGER, L. Determination of zirconium in zirconium-bearing sands and zirconium concentrates by nondispersive x-ray fluorescence method, 22:4040
LANGER, L. M. Beta decay of ^{134}Cs, 22:16025
  Decay of ^{47}Ca, 21:42589
  Negaton decay of ^{122}Sb, 22:48548
LANGER, M. Problems arising from nuclear blasting for oil and gas production, 25:2382
LANGER, Michael Problems arising from nuclear blasting for oil and gas production, 24:44157
LANGER, P. Laser-induced emission of electrons, ions, and x rays from solid targets, 21:9298
  Method and device for striking an electric arc and generating very short high-voltage pulses, 23:5380
  Plasma creation by use of laser pulses, 23:10680
  Utilization of a laser in isotopic analysis of a DLi sample, 23:17329
  X rays from a laser-created deuterium plasma, 23:14755
LANGER, Ph. P. Shock-wave generation in rarefied gases by laser impact on beryllium targets, 22:46183
LANGER, Philippe Chronological study of Be plasma produced by a laser beam, 22:22187 (CEA-R-3296)
  Production of neutrons in pulses, 24:6818
LANGER, Phillipe Method and device for striking an electric arc, 23:25387
LANGER, R. Use of the image difference method for investigation of structural changes of thin carbon foils by electron irradiation, 25:16617
LANGER, R. M. Radioactive disintegration as a subsidence process, 21:38378 (USNRDL-TRC-67-25)
LANGER, S. Effect of temperature on fission gas release from coated fuel particles, 25:5997
  Fission product release measurements on TRISO fuel particles irradiated in capsule P-13F, 24:8158 (GA-9383)
  Head-end separation of BISO-coated fissile and fertile particles for High-Temperature Gas-Cooled Reactors, 24:46304 (GA-9888)
  Head-end separation of BISO-coated fissile and fertile particles for high-temperature gas-cooled reactors, 25:41907
  Head-end separation of TRISO-coated fissile and fertile particles for High-Temperature Gas-Cooled Reactors, 24:46303 (GA-9258)
  Head-end separation of TRISO-coated fissile and fertile particles for high-temperature gas-cooled reactors, 25:41906
  High-temperature fast-flux irradiation experiment for mixed-oxide fuel rods, 25:5989 (GA-10264)
  In-core furnace for the high-temperature irradiation testing of reactor fuels, 25:39319
  Limited solid solutions of uranium and thorium dicarbides, 21:1953
  Planned thermal irradiation of manifolded—vented (U,Pu)O$_2$-fueled rod in ORR capsule P-9, 24:26771 (GA-9896)
  Retention of iodine by pyrolytic-carbon-coated nuclear fuel particles, 23:9156 (GA-8524)
LANGER, Stanley H. Deuterium isotope study of electrogenerative hydrogenation. Mechanism of hydrogenation of ethylene at positive potentials, 25:26230
LANGER, William D. Effects of hyperons on the vibrations of neutron stars, 24:1150
  Equation of state at subnuclear densities, 24:8263
  Hyperonic equation of state, 24:19598
  Neutron star models based on an improved equation of state, 24:19597
LANGER, William David Effects of hyperons on vibrations of neutron stars, 24:6297
LANGERGREN, C. R. Sliding-shaft vacuum lock for a mass spectrometer, 23:45599
LANGERHOLC, J. Can current operators determine a complete theory, 21:17175
  Equal time commutators and form factors in quantum electrodynamics with internal symmetry, 23:16945 (DESY-68/54)
  Equal time commutators of renormalized current operators in perturbation theory, 21:11804 (DESY-66/24)
  Equal time commutators of renormalized current operators in perturbation theory without cutoff, 21:44302 (DESY-67/26)
  Equal-time commutators and form factors in quantum electrodynamics with internal symmetry, 24:3738
LANGERHOLC, John Mark Investigation of the equal time commutators of current operators in renormalized perturbation theory, 22:39332
LANGERON, J. P. Oxidation of β-Zr under low pressure, 21:32829
  Purification of iron and zirconium by zone transformation, 22:12990
  Purification of Zr, 23:3039
  Zone melting of Zr and properties of metal thus purified, 22:2597
LANGERON, J.-P. Pure metals, 23:8140
  Recrystallization, grain growth, and preferential orientations in zone melted Zr, 21:18291
  Workhardening and recovery of Mo and W, 21:36846
LANGERON, Jean-Paul Carbon chemisorption in zirconium surface, 24:14753
  Effect of C and O on rupture of polycrystalline Mo, 25:35409
  Molybdenum decarburization by annealing at low oxygen pressures, 25:35309
  Observation of variation to Matthiessen law in Zr, 21:40828
  Purification of zirconium in oxygen by distillation, 22:16653
  Recovery and recrystallization of pure Zr, 24:36903
  Study on two criteria of zirconium purity, 21:19627
  Temperature of recrystallization of Zr—O solid solutions, 25:29854
LANGEVIN, M. Levels in ^{32}S observed through reaction ^{31}P(p,α_0)^{28}Si and ^{28}Si(α,γ)^{32}S, 21:46699
  Similar deexcitation of two neighboring levels formed in reaction ^{28}Si(α, γ)^{32}S, 23:15423
  Study of reaction ^{31}P(p,α_0)^{28}Si induced by protons of 1.4 to 1.9 MeV, 21:25487
  Study of the giant resonance of light and heavy nuclei by scattering of bremsstrahlung, 21:17305
LANGEVIN, Michel First excited levels of ^{44}Ti observed in (α,γ) reaction on ^{40}Ca, 22:35276
  First T = 2 state of ^{32}S, 25:20316
  Levels of ^{44}Ti observed in reaction ^{40}Ca(α,γ)^{44}Ti, 22:9841
LANGEVIN-JOLIOT, H. Elastic and inelastic scattering of 80-MeV deuterons, 25:59754
  Experimental studies of reactions ^{3}H(p,p)^{3}H, ^{3}He(p,p)^{3}He, and ^{3}H(p,n)^{3}He at 156 MeV, 25:12365
  Experimental study of reaction D(p,γ)p/sub s/, D at 156 MeV, 24:10913
  Medium-energy proton radiative capture by deuterons, 24:28694
  Reaction D(p,γ)^{3}He at E/sub p/ = 156 MeV, 23:25795
  Reaction T(p,γ)^{4}He at E/sub p/ = 156 MeV, 23:25796
  Reactions ^{3}H(p,p)^{3}H, ^{3}He(p,p)^{3}He, and ^{3}H(p,n)^{3}He at E/sub p/ = 156 MeV, 25:17699
  Use of germanium detectors for charged particles, 23:47762
LANGEVIN-JOLIOT, Helene Recent developments in the study of some direct reactions near the synchrocyclotron at 157 MeV at Orsay, 21:25376
LANGFORD, F. L. Physics development for plutonium utilisation in pressurised water reactors, 22:22769
LANGFORD, F. L. Jr. San Onofre PWR core operations follow, 25:18072
LANGFORD, Herbert G. Propylthiouracil and ^{131}I on blood pressures of thyrotoxic patients, 21:22548
LANGFORD, J. C. ^{55}Fe in man and cattle, 25:46768
  Determination of ^{210}Pb and total Pb in biological samples, 23:47394
  Iron-55 concentrations in Columbia River estuarine and Pacific Ocean marine organisms, 23:49966 (BNWL-1051(Pt.2), pp 69-72)
  Iron-55 in Bering and North American Pacific salmon, 23:49965 (BNWL-1051(Pt.2), pp 63-8)
  Iron-55 levels in humans living in Richland, Wash., 1968, 23:50456 (BNWL-1051(Pt.2), pp 73-5)
  Levels of ^{55}Fe in humans, animals, and food, 1964-1967, 23:16321
  Method to eliminate the reduced counting efficiencies for scanning type whole body counters, 23:50109 (BNWL-1051(Pt.2), pp 205-6)
  Particulate Pb, ^{210}Pb and ^{210}Po in the environment, 25:34762
  Particulate Pb, ^{210}Pb, and ^{210}Po in Atlantic Ocean, 23:49964 (BNWL-1051(Pt.2), pp 50-1)
  Two-dimensional scanning whole body counter, 23:50110 (BNWL-1051(Pt.2), pp 207-12)
LANGFORD, Obie M. Well logging system, 24:48291
LANGFORD, Paul B. Mechanism of the dehydrochlorination of β-benzene hexachloride, 21:5894
LANGFORD, W. J. Effect of hydrogen and neutron irradiation on Zy-2 pressure tubes, 23:22618
  Metallurgical examination of cold-worked Zircaloy-2 pressure tube irradiated in U-2 loop, 24:8148 (AECL-3457)
  Metallurgical properties of cold-worked Zircaloy-2 pressure tubes irradiated for 5 years in the NPD reactor, 24:23495 (AECL-3516)
  Metallurgical properties of cold-worked Zircaloy 2 pressure tubes, 25:42914
  Metallurgical properties of irradiated cold-worked Zr—2.5 wt. percent Nb pressure tubes, 25:4825
LANGFORD, W. R. Intrinsic color indices of RR Lyrae stars, 23:22743
  Photometry of visual binaries, 25:4898
LANGHAAR, J. W. Design and testing of curium shipping capsule and cask, 23:573 (CONF-681001-, pp 344-53)
  Impact tests of models at the Savannah River Plant, 25:48854 (CONF-710801-(Vol.2), pp 754-72)
  Problem of demonstrating resistance to fire, 23:570 (CONF-681001-, pp 292-305)
  Safety summary report: PM-3A-M cask (packaging of radioactive and fissile materials). Final report, 25:44565 (DPSPU-71-124-3)
  Status of standards for tiedown, 23:569 (CONF-681001-, pp 285-90)
  Thermal behavior of shipping casks, 23:4798
LANGHAAR, John W. Fire test and thermal behavior of 15-ton lead-shielded cask, 21:8496 (DP-1070)
LANGHAM, J. Biological response to radioactive sources. I, 23:7950
  Biological response to small discrete highly radioactive sources. I, 23:22395
  Biological response to small discrete highly radioactive sources. II, 24:27510
  Production of Candida utilis with 93 at. percent ^{13}C acetic acid as the sole carbon source, 25:13331 (LA-4551)
  Skin response to fissioned ^{235}U-carbide, 24:44597
LANGHAM, Julia Histopathologic study of intradermal Pu metal deposits, 23:26931
LANGHAM, Milton L. Nondestructive testing of thin sodium annuli to detect voids, 21:19869 (CONF-660511-, pp 7.6.1-20)
LANGHAM, Wright H. Biological considerations of nonnuclear incidents involving nuclear warheads, 24:29700 (UCRL-50639)
  Considerations of biospheric contamination by radioactive fallout, 21:18048
  Large-area Pu contamination, 24:29738 (NP-18208)
  Proposal for a biomedical addition to Los Alamos Scientific Laboratory's High-Flux Meson Physics Facility, 25:55299 (LA-4490)
  Protection guides for combined space and nuclear radiation exposure, 25:51204
  Radiation response of man in the intermediate dosage range, 21:6661
  Radiation responses of man in the intermediate dosage range, 21:16428 (LA-DC-8110)
  Radiobiological factors in manned space flight, 22:6917
  Radiobiological factors in space conquest, 23:43890
  Tumorigenicity of radioactive particles, 23:8080
  Whole-body NMR spectrometer, 22:23380
  Whole-body NMR spectrometer, 22:45279 (LA-3966)
LANGHAMMER, H. Bloodpool scintigraphy with shortlived radionuclides, 25:13516
  Mediastinal lymph node scintigraphy in animals during indirect isotope lymphography of the lungs, 24:21239
  Mediastinal lymph node scintigraphy, 24:44539
  Scanning mediastinal lymph nodes, 24:12191
LANGHANS, J. Computer program for the dynamic calculation of pressure over time duration in coupled volumes, 25:54886
LANGHANS, K. Nuclear weapon research and its sequela, 22:30743
LANGHANS, L. Differential excitation functions of n = 2 states of helium, 22:41353
  Resonance scattering of slow electrons from H$_2$ and CO, 22:41375
LANGHEINRICH, A. P. Application of radioisotope x-ray spectrometry to analysis of Mo, 23:6057
LANGHEINRICH, Armin P. Energy dispersion x-ray analysis in nonferrous mining industry, 25:51361 (CONF-710428-, Paper 1)
LANGHEINRICH, W. Influence of quartz impurities on the cleanliness of annealed semiconductor surfaces, 21:35901
  Masking effect, foreign substance content, and structure of various silicon diode layers, 21:35902
LANGHOF, H. Protoporphyrinemic light dermatoses, 21:22513
LANGHOFF, H. Coulomb fragmentation following decay of ^{131}I, 25:13073
  Coulomb fragmentation in InI and InI$_3$, 25:54696
  Coulomb fragmentation of InCl and InI, 25:5153
  Decay of /sup 125m/Xe, /sup 127m/Xe, and /sup 127g/Xe, 23:5911
  Decays of ^{123}Xe and ^{123}I, 23:47016
  Disturbance of resonant scattering of γ rays from a ^{79}Kr source on ^{79}Br by gas kinetic collisions in the source, 21:33918
  Excited levels of ^{79}Br, 24:15820
  Lifetime measurements in ^{131}Xe and ^{129}Xe, 25:12583
  Lifetimes of the levels at 265 and 280 keV in ^{75}As, 21:23467
  Nuclear resonance fluorescence after electron capture, 23:44907
  Nuclear resonance fluorescence from the 375-keV level in ^{127}I, 23:21361
  Nuclear resonance fluorescence in ^{69}Ga, 22:29960
  Nuclear resonance fluorescence in ^{94}Mo, ^{95}Mo, and ^{96}Mo, 21:38341
  Nuclear-resonance-fluorescence and gamma-spectroscopic studies in ^{191}Ir, 21:46761
  Resonance fluorescence in ^{187}Re, 21:38359
  Slowing down of atoms with $E < 15$ eV in solids, 23:46243
  Slowing down of atoms with $E < 15$ eV in solids, 25:15716
  The γ spectra of ^{95}Tc, /sup 95m/Tc, and ^{96}Tc, 21:5540
LANGHOFF, P. W. Bounds for oscillator-strength sums from approximate quadratures, 25:4946
  Bounds for van der Waals coefficients from Pade approximants, 22:7138
  Pade approximants to the normal dispersion expansion of dynamic polarizabilities, 24:23758
  Schroedinger particle in a gravitational well, 25:43517
LANGHOFF, W. Magnetic cut-off of extragalactic protons in the galactic disk, 22:41384
  Trajectories of high-energy cosmic rays in the galactic disk, 23:10472
LANGHORST, Arthur L. Computer processing of optical emission spectrometer data, 24:18862 (UCRL-50759)
LANGIAUX, Louis Improvements in or relating to ionization chambers, 23:2626
LANGIE, St. Gammagraphy in the diagnosis of cerebral abscess, 25:8714
LANGKAU, R. Neutron detection efficiency of the liquid scintillator NE 214 in the MeV range, 25:37595
  Scintillation behavior of CsI with regard to use for particle discrimination, 21:21094
  Scintillation decay of several fast organic scintillators, 25:18656

Simple oscillographic method for balancing zero-passage triggers, 21:10708
Sub-nanosecond bursts from an AVF cyclotron, 23:17042
Time shaping of beam pulses from the Hamburg isochronous cyclotron by different central diaphragms, 25:43760
Use of liquid scintillator NE 214 in neutron time-of-flight spectrometer, 22:49098
LANGKEMPER, J. F. Optical isotope shifts and nuclear deformation in dysprosium, 23:51383
LANGLADE, C. Turbo-blowers of Saint-Laurent-des-Eaux nuclear power station, 24:28869
LANGLADE, P. Critical currents in Nb—Ta superconducting alloys, 23:42213
LANGLANDS, A. O. Alterations in tryptophan metabolism in man after irradiation, 21:20399
Changes in peripheral blood after Thorotrast administration, 22:6908
Chromosome aberrations following partial- and whole-body x irradiation in man, 22:28435
Chromosome aberrations induced in human peripheral blood, 24:34244
Chromosome damage induced by radiation, 22:43278
Cytogenetic changes following Thorotrast administration, 22:23494
Further studies on chromosome aberration production after whole-body irradiation in man, 25:46776
Long-term hazards of Thorotrast, 23:8076
Lymphocyte clones, with chromosome structural aberrations, in irradiated men, 22:21577
Thyroid disease following administration of Thorotrast, 23:43903
Urinary excretion of β-aminoisobutyric acid after exposure to radiation, 25:42684
LANGLET, Gerard Synthesis and crystallographic study of compounds of the system Cs_2O—Al_2O_3—SiO_2, 25:29938 (BNWL-tr-65)
LANGLEY, F. M. Evaluation of methods for measuring cardiac output, 23:29615
LANGLEY, Ivan I. Routine use of radiogold following operation for ovarian cancer, 22:28573
Routine use of radiogold following operation for ovarian cancer, 24:889
LANGLEY, J. Randolph SM-1A core IV design analysis, 25:46324 (AD-717561)
LANGLEY, K. H. Theory and operation of a proton-spin refrigerator, 21:7369
LANGLEY, N. R. Characterization of recently developed high-temperature polymers: radiation resistance of polyimide at elevated temperatures, 22:49865 (BNWL-866)
LANGLEY, R. A. Atomic and molecular cross sections, 21:13348 (ORNL-4063, pp 71-87)
Atomic and molecular cross sections, 22:31597 (ORNL-4238, pp 105-15)
Charge transfer cross sections for protons in gases and conversion-electron spectra in decay of ^{195}Au, 22:943 (ORNL-TM-1988)
Clinical trial of two sunscreening creams, 25:4608
High-energy charge-transfer cross sections for protons and atomic H in various gases, 22:38794
LANGLEY, R. A. Jr. Evolution of LMFBR plant design for reliability and availability, 25:41368 (CONF-710315-14)
Sodium-cooled fast-breeder reactor as a heat source, 23:49627
LANGLEY, R. W. Charge code for space radiation shielding analysis, 24:28379 (AD-688852)
Population exposure probability model for random re-entry of a radioisotope source, 22:43429
Probability of injury from random reentry of a nuclear satellite, 21:36273
Technique for evaluation of space radiation dose to distributed body organs, 25:39868
LANGLEY, Robert A. Range—energy relations for He ions and protons in N_2, O_2, and air (0.2 to 2.0 MeV), 25:9162 (SC-RR-70-788)
Range—energy relations for He ions and protons in Ar, N_2, O_2, and air (0.2 to 2.0 MeV), 25:56276
LANGLEY, Ruthann Structure of and radiation effects on chromosomes and DNA, 24:12044 (ORO-2832-79, pp 2-11)
LANGLOIS Development of an elastomer for pressurized carbon dioxide sealing purposes, 22:37467
LANGLOIS, Denise Extraction of a beam of heavy ions accelerated in a stellar field cyclotron by stripping, 21:11875 (ORNL-tr-1469)
LANGLOIS, G. Electricity production unit, 23:45034
LANGLOIS, Yves Hydrolysis of tetravalent Pu. Evidence for complexing by anions of biological interest, 21:10301 (CEA-R-3092)
LANGMAJER, Josef Operation of the ARL-62 mobile radiohygienic lab, 22:51590
LANGMANN, H.-J. Electromagnetic isotope separator, 21:26272 (KFK-511)
LANGMEAD, W. A. Assessment of whole-body integral dose following accidental radiation exposure, 23:12110
Health physics requirements for dosimetry, 24:27443
Investigations of the accuracy attained in routine film badge dosimetry, 21:14665
Objectives of air monitoring and the interpretation of air sampling results, 22:21537
Personal centripeter: particle size-selective personal air sampler, 24:4514
Personnel dose assessments following accidental non-uniform irradiation of the body, 23:12059 (AHSB(RP)R-85)
Place of luminescence dosimetry in the control of occupational hazards of ionizing radiation, 21:26234 (CONF-650637-, pp 359-62)
Positioning of film badges, 25:42442
Sealed thermoluminescent dosimeter employing rf heating for routine individual monitoring, 25:57839
LANGMEAD, Walter A. Radiation doses received by staff in British hospitals and their relation to maximum permissable doses, 24:23213
LANGMORE, J. Visibility of single atoms, 24:30147
LANGMUIR, Alexander D. Social problems of fallout, 22:51920
LANGMUIR, M. E. Pulse-radiolysis and flash-photolysis study of aqueous solutions of simple pyrimidines, 23:280
LANGMUIR, Margaret E. Broensted catalysis of fading reaction of flash-produced transients from 2,6-dinitrotoluene, 23:26224
LANGNER, H. Behavior of stabilized PVC during its irradiative copolymerization with vinyl monomers, 21:35991
Gamma radiation induced graft copolymerization of styrene onto poly(vinyl chloride), 21:24016
LANGNER, Heinz Structure of poly(vinylchloride)-styrene graft copolymers, 23:9441
LANGNER, I. Evaluated microscopic neutron cross sections and 26 group constants for Cd, 24:28770 (EURFNR-749)
Status of Karlsruhe evaluated nuclear data file KEDAK at 6/70, 25:41225 (EURFNR-912)
Tables of evaluated neutron cross sections for fast reactor materials, 22:46695 (EURFNR-537)
LANGNER, Peter Liquid scintillation counter technic, 21:10666
LANGNER, Rainer Preparation and properties of CuCr and CuCrZr, 22:17088
LANGPAPE, R. Development of isotope fueled thermionic generator for about 30 W electrical power, 24:19161 (BMBW-FBK-69-44)
Direct conversion of nuclear energy into electrical energy with thermionic elements, 21:3732
In-core thermionic reactor, 23:43092
LANGPAPE, Reinhard Thermionic energy converter, 22:38848
LANGPAPE, Reinhart Nuclear reactor with thermionic converters, 23:40474
Thermionic energy converter, 23:42019
LANGRANGE, M. Phenix reactor block, 23:45038
LANGROD, K. Impregnation of graphite with refractory carbides, 23:27148
Load-sensitive, low noise pulse preamplifier for use with semiconductor detectors of nuclear radiation, 22:37971 (AI-AEC-Memo-12706)
LANGROO, M. K. Liquid scintillation counting for the measurement of the activity of alpha and beta emitters, 22:6568
LANGROVA, M. Changes in winter wheat variety caused by mutagens, 24:23172
LANGS, R. K. Efficient Kerr cell for use in the uv, 25:15961 (ANL-7760(Pt.1), pp 1-12)
Electro-optical techniques for ultrasensitive radiophotoluminescent dosimetry, 23:7848 (CONF-680920-, pp 670-6)
New developments in photoluminescent microdosimeter measurement, 22:38116
Radiophotoluminescent dosimetry employing a uv laser, 25:15946 (ANL-7760(Pt.1), pp 13-20)
LANGSAM, L. M. Temporary neutron damage in transistors, 21:13303
LANGSDORF, A. Energy control and monitoring system for a tandem Van de Graaff, 25:59653
LANGSDORF, A. Jr. Analysis of scattering, 21:15412 (ANL-7029, pp 25-7)
Polarization in the small-angle scattering of 0.83-MeV neutrons by U, 21:21548
Small-angle scattering of neutrons by heavy nuclei, 23:15442
LANGSDORF, A. S. Jr. Scattering of neutrons from nuclei, 21:11916 (ANL-6172)
LANGSDORF, Alexander Jr. Simple improvements in small high-voltage dc power supplies, 21:38009
LANGSETH, L. Low-temperature silication of molybdenum, 24:4728
LANGSETH, M. G. Jr. Apollo 13 lunar heat flow experiment, 24:22872
LANGSFORD, A. Detection efficiency of plastic scintillation counters for neutrons in the energy range 20 to 130 MeV, 21:10654
Direct-access multi-user computer system for the Harwell synchrocyclotron, 25:56612
Fast forward neutron production in the d(p,n)2p reaction for 95.7 and 143.9 MeV protons, 21:27517
Isobaric analogue states in (p,n) reactions at 94 MeV, 22:29952
Method of time calibration for time-of-flight experiments in nuclear physics, 22:14839
Monotonic variation of the n—p total cross section, 23:49050
Neutron total cross section of oriented ^{165}Ho from 2 to 135 MeV, 22:18216
Neutron—proton total cross section between 0.5 and 21 MeV, 25:53511 (CONF-701002-, pp 51-6)
Nondestructive measurement of fluctuations in area density of graphite block using 147-MeV proton beam, 22:47302 (AERE-R-5732)
Total neutron cross section of oriented ^{165}Ho, 25:12565
LANGSJOEN, P. H. Significance of red cell aggregation in the vascular complications of angiography, 25:11195
LANGSTON, B. G. Hydrogen reduction of molybdic oxide, 23:22491
LANGSTON, Merritt E. Materials in an Atlas-Agena shroud, 21:14829
LANGSTON, R. G. Translocation of radioactive kinetin, 21:34599
LANGTON, N. H. Space environment, 24:27905
LANGUILLE, A. Influence of the allotropic transformation β reversible α and of oxygen on the distribution of plutonium in dilute ZrPu and TiPu alloys, 25:4790
LANGUILLE, Alain Chemical diffusion and heterodiffusion at infinite dilution of Pu in body centered cubic β Ti, 25:11429 (CEA-CONF-1687)
Effect of a $\beta \rightarrow \alpha$ transformation and of oxygen on plutonium distribution in dilute Zr—Pu and Ti—Pu alloys, 25:11431 (CEA-CONF-1691)
Solid state plutonium diffusion, 25:650 (CEA-CONF-1635)
LANGUILLE, M. BWR prestressed concrete pressure vessels, 25:31551 (EUR-4531, pp 615-45)
LANGVAD, T. Chemical effects of ion implantation in molecular solids, 22:33462
LANGWAY, C. C. Artificial radioactivity reference horizons in Greenland firn, 21:22035 (AD-644597)
LANGWAY, C. C. Jr. Aluminum-26 and ^{10}Be in Greenland ice, 22:10371
LANGWORTHY, B. M. Mars Mariner 4 radio occultation experiment, 22:29133
LANGWORTHY, J. Electron scattering from light deformed oriented nuclei, 24:52432
Electron scattering from light, deformed, oriented nuclei, 24:52427
LANGWORTHY, J. B. Central-force geometrical coefficients associated with Talmi integrals for use in calculating nuclear two-body matrix elements, 23:23745 (AD-673524)
Table of central-force geometrical coefficients associated with Talmi integrals, 22:46819 (NRL-6733)
LANIEPCE, B. Measurement of lifetime of the 6^3S_1 level of Cd and collision cross sections of various gases for this level, 22:45968
LANIER, Marshall National health hazards from lasers, 24:21191
LANIER, R. G. Nuclear levels in ^{186}Re, 23:31010
LANIER, Robert G. Search for the O^+ member of the two-phonon triplet in ^{110}Cd, 24:38277
LANIER, Robert George Low-energy structure studies of weakly deformed odd—odd nuclei: ^{186}Re and ^{188}Re, 22:42066
LANIER, Sidney F. Subject headings used by the USAEC Division of Technical Information, 25:28892 (TID-5001(10th Rev.))
Subject headings used by USAEC Division of Technical Information, 23:21611 (TID-5001(8th Rev.))
Subject headings used by USAEC Division of Technical Information, 23:47365 (TID-5001(9th Rev.))
LANIER, W. B. Radiation-sensitive mutant of Aspergillus nidulans, 22:28708
LANIER, William R. Scintillator films for proton detection, 24:48292
LANIESSE, J. Irradiation of slightly alloyed U fuel elements, 23:30100
LANIK, J. Broken symmetry and noninvariance groups, 22:29722
Dynamical algebra and potentials, 21:33635
Superconductivity of Tl—Sn and Pb—Sn alloys, 24:15173
LANIN, A. G. Experimental determination of thermal resistance of high-melting-point materials, 21:31097
Residual stresses in cermets, 25:58381
Strength and plasticity of zirconium carbide, 24:4847
LANIUS, Karl Meson resonances, 24:5249
LANKA, Erich Qualities of Escherichia coli mutant with thermosensitive DNA synthesis and host cell reactivation of uv-irradiated lambda phages in this mutant, 25:37905
LANKARD, D. R. Concrete, 24:17401
Nonfueled refractories, 24:46788
Prog. rpt. on heat-resistant concrete for PCPV reactors, 10—12/67, 22:15267 (BMI-X-10220)
Time-dependent strains in concrete, 24:25815
LANKARD, David R. Heat-resistant concrete for prestressed-concrete-pressure-vessel, 23:18285 (BMI-1855)
Prog. rpt. on heat resistant concrete for PCPV reactors, 4—6/68, 22:44917 (BMI-X-10236)
Prog. rpt. on heat-resistant concrete for PCPV reactors, 4—6/67, 21:39704 (BMI-X-10203)
Prog. rpt. on heat-resistant concrete for PCPV reactors, 7—9/67, 22:8248 (BMI-X-10215)
Prog. rpt. on heat-resistant concrete for PCPV reactors, 1—3/68, 22:28970 (BMI-X-10233)
Soviet research on protective coatings for graphite, 22:38607
LANKFORD, John C. Modification by acridine analogs of the survival of ultraviolet irradiated Escherichia coli B, 25:42533
LANKFORD, Robert Ventilation-perfusion relationship in humans measured by scintillation scanning, 23:6495
LANKFORD, W. F. Potassium-41 level structure from ^{40}Ar(^{3}He,d)^{41}K, 25:3632
Surface scattering of low-energy protons and alpha particles, 22:31924 (BNL-50083, pp 167-78)
LANKFORD, William Fleet Reaction ^{40}Ar(^{3}He,d)^{41}K at 10 MeV, 24:24521
LANKO, E. V. Fast preamplifier for timing of signals from semiconductor detectors, 23:16098
Lifetimes of excited states of ^{140}Ce, 25:31319
Time to amplitude converter for the sub-nanosecond range, 22:43166
LANKSHEAR, R. F. Preinjector of BNL 200 MeV linear accelerator, 25:50285
Prototype rf system for the 200-MeV linac injector for the AGS, 23:28016
RF system for the AGS linac injector, 21:38019
LANLIGNEL, A. Relativistic quantum theory of Fermi and Bose perfect gases, 23:16920
LANNIN, T. E. Microstructure of mixed-oxide fuel irradiated in a thermal-neutron flux, 25:5993
Thermal conductivity of U and U—Pu oxides, 22:19625 (GEAP-4879)
LANNING, D. D. Design of a cold-neutron source for the MIT reactor, 25:41162
Design, construction, and evaluation of facility for simulation of fast reactor blankets, 24:22450 (MIT-4105-2)
Experimental measurement of K infinity and eta in subcritical lattices, 22:32999
Fast neutron cavity experiment in PCTR, 23:23955 (BNWL-CC-1704)
Fast reactor experiments in PCTR and HTLTR, 22:14255 (BNWL-CC-886)
LMFBR blanket test facility, 24:33413
Measurements of material activation and neutron spectra in an LMFBR blanket mockup, 25:41408

  Nuclear and fast transient aspects of Pu particle size, 23:37540
  PCTR integral measurements of ^{239}Pu alpha (anti α) in fast spectra, 22:35288 (BNWL-774)
  Prog. rpt. on Phoenix fuel program, 11/67, 22:14289 (BNWL-635)
  Prog. rpt. on reactor physics, annual, 9/69, 24:53001 (MIT-3944-4)
  Safety analysis report: Plutonium Fuels Laboratory, 25:49205 (BNWL-CC-1906)
  Severe reactivity transients in boiling water reactors, 24:33404
  Special applications of plutonium in power reactors, 23:37538
  Steam cooled fast module, 23:40385 (BNWL-998)
LANNING, David D. Nuclear power reactor safety committee, 24:7015
  Reactor physics parameters of 1.03 percent enriched uranium metal, D_2O moderated lattices, 22:33006
LANNING, Edward W. Spectrophotometric determination of europium in yttrium europium vanadate, 23:7479
LANNING, H. Optical identification of cygnus x-1, 25:52543
LANNOM, Joseph R. Acute gamma irradiation experiments with the lizard Uta stansburiana, 21:32785
LANNOM, Joseph R. Jr. Demographic analysis irradiated and nonirradiated Uta stansburiana, 24:9805
  Radiation doses sustained by lizards in a continuously irradiated natural enclosure, 22:45470
LANNON, Joseph A. Infrared spectrum of solid and matrix-isolated H_2O_2 and D_2O_2, 25:29055
LANNOU, L. Detection of small leaks by hydrogen measurements in a sodium-heated steam generator, 23:45483 (ANL-7520(Pt.1), pp 345-73)
  Experimental study of forced-convection heat transfer by liquid sodium in a cyclindrical tube heated at a constant density of thermal flux, 23:31467 (AERE-Trans-1092)
  Mass spectrography application to the detection and metering of hydrogen in a liquid sodium loops, 22:30471
LANNOY, Fr. G. Weak interactions, 23:44586 (NP-17984)
L'ANNUNZIATA, Michael F. Chelation and movement of ^{90}Sr—^{90}Sr (^{90}Y) in a calcareous soil, 22:33565
  Movement of algal- and fungal-bound radiostrontium, 23:17563
LANNUTTI, J. E. Analysis of the decay of rho$^-$ mesons produced in π^-p interactions at 2.26 GeV/c, 22:46341
  Negative pion—proton elastic scattering at 2.26 GeV/c, 21:18918
  Nonimpulse events in reactions $K^-d \rightarrow \Lambda\pi p$ and $\Lambda\pi\pi N$ at 670 to 925 MeV/c, 25:22701
  Observation of 7π enhancement at 3.01 GeV, 25:17397
  Pi$^-$p elastic scattering at 2.26 GeV/c, 22:50302
  Prog. rpt. on elementary particle physics, annual, 11/68—10/69, 24:10677 (TID-25298)
  Resonant structure in π^-eta system from reaction $\pi^-p \rightarrow \pi^-p$eta at 2.26 GeV/c, 23:7098
  Single-pion production in π^-p interactions at 2.26 GeV/c, 24:3530
  T = 2 pion—pion scattering, 23:18808
LANORE, J. M. Biasing system for calculation of deep penetration of neutrons by Monte Carlo method, 25:38841 (CEA-CONF-1755)
  Treatment of irregularities in shields, 23:13470 (AERE-R-5773(Vol.3), pp 834-57)
LANORE, Jean-Claude Silicon P.I.N. junctions used for studies of radiation damage, 21:13296 (CEA-R-3061)
LANORE, Jeanne Marie Upper shielding of PHENIX reactor; comparison between S/sub N/ and Monte Carlo methods, 24:47849 (CEA-N-1351)
LANORE, Jeanne-Marie Biasing system for treatment of deep penetration of neutrons by Monte-Carlo method, 25:36648 (CEA-R-4145)
  Program Poker. Description and utilization, 25:14864 (CEA-N-1388)
  Propagation of thermal neutrons in mock-up screw-shaped steel elements with water protection, 21:35208 (CEA-R-3196)
  Propagation of thermal neutrons in mock-up helical steel inserts in a water shield, 23:3536 (ORNL-tr-1848)
  Several applications of a system of weighting in Monte Carlo calculations, 25:31164 (CEA-N-825)
  Study of the variance of a Monte Carlo calculation, 25:30698 (CEA-N-1096)
  Weighting and bias in a Monte Carlo calculation for neutrons in the case of deep penetration, 24:52356 (CEA-CONF-1567)
  Weighting and biasing of a Monte Carlo calculation for very deep penetration of radiation, 25:45883
  Weighting and biasing of Monte Carlo calculation for very deep penetrations, 23:49657 (ORNL-tr-2213)
LANOU, R. E. Reactions π^-p between 654 and 1247 MeV/c, 24:12957
LANOU, R. E. Jr. Angular distributions of pion charge-exchange reactions in the momentum region of 1.4 to 4.0 GeV/c, 22:48239
  Study of the total neutral cross section in π^-p interaction in momentum region 1.4-4.0 GeV/c, 22:48238
LANOU, Robert E. Jr. Prog. rpt. on experimental high energy physics, annual, 6/70, 24:40266 (NYO-2262-TB-152)
  Prog. rpt. on high energy physics, 9/70—8/71, 25:47729 (NYO-2262-TB-162)
LANPHERE, Marvin A. Potassium—Ar and Rb—Sr measurements on P-207, the U.S. geological survey interlaboratory standard muscovite, 21:30536
LANSANGAN, Lili Further studies on plasma transaminase of irradiated mice, 23:20399
LANSBURY, Peter T. Dihydropleiadenes. V, 21:19616
LANSFORD, R. M. Illiac III Reference Manual. Vol. I, 25:28851 (COO-2118-5)
LANSFORD, Robert M. Illiac III computer system manual. I, 24:24939 (COO-1018-1199)
LANSFORD, Robert Maurice Reaction $K^-d \rightarrow$ anti K^0 nn, from threshold to 300 MeV/c and K^+p elastic scattering: 80 to 280 MeV/c, 21:37698 (COO-1195-87)
  Reaction $K^-d \rightarrow$ anti K^0 nn, from threshold to 300 MeV/c. I. K^+p elastic scattering: 80 to 280 MeV/c. II, 22:34850
LANSIART, A. Device for triggering gas detector of nuclear particle, 22:19159
  Investigation of light emission by electron avalanches in binary mixtures where xenon is the parent constituent. Attempted interpretation of the visible continuum emitted by xenon, 24:39287
  Last developments on spark chambers, 24:23017 (CEA-CONF-1486)
  New developments in gas filled image intensifier detectors for x and gamma rays, 22:40425
  Nuclear particle detector of the gas type, 23:4809
  Possibilities of a gas detector with three electrodes in the domain of the visualization of x rays, 24:2441 (CEA-CONF-1294)
  Recent performance of a gas-image amplifying detector operating in the spark region, 21:10646
  Spark chambers and image intensifiers used in the scanning of radioactive objects, 22:4543
  Spark chambers and image intensifiers, 24:33900
  Stationary gas detector and a new type of gammascope, 23:13975 (CEA-CONF-1035)
  Stationary gas detector and a new type of gamma camera, 23:33463
  Study of light emission of electron avalanches in binary mixtures, 24:19195 (CEA-CONF-1480)
  Visualization by image intensifier of radioactive indicator flow through the cardiac chambers and the large vessels, 25:11120
LANSIART, Alain Amplification of gas-detector images, 23:38281
  Device for controlling the sparking in a spark chamber, 25:37643
  Device for triggering a nuclear particle detector of the gas type, 22:28172
  Electronic analog simulator of radiocardiograms, 22:21372 (CEA-R-3363)
  Gas-filled spark chamber radiation detector, 25:34876
  High surface gas triode for detecting atomic or nuclear particles, 23:609 (CEA-R-3319)
  Method of spark control and systems for the utilization in spark chambers, 23:2646
  Particle detector, 22:2385
  Particle detector, 25:18698
  Particle detector, 25:37604
  Particle detector, 25:37601
  Potassium-233 "Pu simulator" for the direct measurement of a pulmonary contamination, 22:28472
  Recording diffraction patterns, 25:18859
  Simulator of Pu for direct estimation of pulmonary contamination, 23:4925 (AEC-tr-6967)
  Spark chamber used for the visualization of the ^{125}I labeled thyroid, 25:46618 (CEA-R-4171)
  Spark chambers and their applications to nuclear medicine, 24:48261 (CEA-CONF-1578)
  Stationary detector for visual display, 25:18689
LANSING, Allan M. Radiation hepatitis, 23:8082
LANSINGER, J. M. Scale size of scintillation-producing irregularities in auroral ionosphere, 21:43930
  Solar modulation control of high-latitude radio-star scintillations and ionospheric absorption, 22:31532 (D-1-82-0702)
  Vhf refraction and scattering by visible auroral forms, 22:34359 (AD-663663)
  Vhf refraction by visible auroral forms, 22:29378
LANSINGER, John M. High-latitude radio star scintillation measurements, 21:2105
  Radio-star visibility fades in Alaska near solar minimum, 22:31716
LANSKI, J. D. Technetium-99m brain scans, 22:40817
LANTELME, F. Isotopic analysis of ^{15}N-labeled nitrates, 24:20686 (NP-tr-1879)
  Isotopic analysis of nitrates labeled with ^{15}N, 22:33291
LANTELME, Frederic Isotope effect on diffusion of lithium ions in fused salts, 21:19636
  Isotopic effect on migration of ^{22}Na and ^{24}Na ions in molten nitrates; influence of temperature and composition, 22:27710
  Isotopic exchange kinetics between chloromethyl formate and chloride ion, 25:15606
LANTER, Robert J. Silver counter for bursts of neutrons, 22:47349
  Unijunction thermometer for Project Rulison, 24:44360
LANTERJUNG, K. H. Position-sensitive counters, 22:36023 (ANL-Trans-621)
LANTIN, B. New types of dahlia by induced mutations, 25:42327
LANTOS, P. Influence of helium and heavy elements on radio absorption coefficient, 25:32984
  Relations between solar activity and cm emissions, 23:39207
LANTOS, Pierre Model for thermal gyromagnetic radio emission from solar-active regions, 22:29151
LANTOS-JARRY, M. F. Coronal magnetic field patterns inferred from radio observations, 25:11605
LANTSCHNER, G. Isotope effect in charge-changing collisions involving hydrogen and deuterium, 23:39319
LANTZ, Edward Design study of 350 kWe out-of-core nuclear thermionic converter system, 24:50497 (N-70-31761)
  Fast-spectrum, liquid-metal cooled nuclear reactor program for space-power applications, 22:39860 (N-68-18197)
  Nuclear thermionic space power concept using rod control and heat pipes, 23:4390 (N-68-27003)
  Nuclear thermionic space power concept using rod control and heat pipes, 23:6034
  Nuclear thermionic space power system concept employing heat pipes, 22:37907 (N-68-19146)
  Reactivity control of fast-spectrum reactors by reversible hydriding of yttrium zones, 22:46999 (N-68-24559)
  Reactor concept for space power employing thermionic diodes and pipes, 22:39850 (N-68-12426)
  Small high-temperature nuclear reactors for space power, 22:37512 (N-68-15792)
LANTZ, Larry Lee Mass spectrometric analysis of oxygen isotopes of water via cobalt(III) fluoride—water reaction, 22:7990 (IS-T-209)
LANTZ, Robert M. Nanosecond rise time, high power, variable delay double pulser with application to electron-hole plasmas, 22:8415
LANTZ, T. E. Radiation chemistry of low-temperature aqueous glasses. IV, 25:26310
  Recent experiments on steady state and pulse radiolysis of alkaline aqueous systems, 25:54627 (CONF-700652-(Vol.2), pp 295-330)
LANTZ, Thomas Edward Photolyses and charge-transfer complexes of I, HI, and C_2H_5I, 24:11619
LANUSSE, P. Molecular ions in mass spectra of Th, 23:35106
  Statistical distribution of sensitivity factors in spark mass spectrometry, 24:18897
LANUSSE, Pierre Determination of impurities in metallic coatings, 23:31287
  Determination of O and N in Nb by spark source mass spectrography, 22:25273
LANZ, L. Time scales and the problem of measurement in quantum mechanics, 25:36372
LANZ, P. Experiments and first results on 1:1 model of H_{101} cavity for ETH cyclotron, 22:41901 (RHEL/M-124, pp 205-22)
LANZ, R. Preparation of particles of uranium carbide by the sol-gel method, 23:12394 (ORNL-tr-1782)
  Sol—gel processes for production of ceramic fuels, 23:3128
LANZ, Renato Process for producing dense particles of oxides of actinides usable as fuels for nuclear reactors, 23:8284
LANZA, F. Bismuth-impregnated graphite reflector in a heavy water moderated reactor: an evaluation, 25:44129 (EUR-4357)
  Effects of thermal annealing and cycling on light metal impregnated graphite, 23:18209 (EUR-4085)
  Evaluation of magnetocaloric converters, 22:43953 (EUR-4039)
  Metal impregnated graphite as a cladding material of fuel elements, 24:48875
LANZA, Franco Making connections to impregnated graphite, 23:36190
LANZA, Frank L. Phosphorus-32 and a miniature Geiger counter to detect malignant neoplasia of the rectum, 21:18100
LANZA, H. Mechanism of the discharge in gases in the region of subnanoseconds, 23:34408 (CNEA-225)
LANZA, Hilda Discharge mechanism in gases in the subanosecond region, 22:38018
LANZA, R. C. Photoproduction of positive pions at backward angles in the energy range 1 to 3 GeV, 22:48209
  Photoproduction of positive pions at backward angles in the energy range 1 to 3 GeV, 24:37688
LANZA, Richard Charles Wide angle elastic scattering of pions from hydrogen at 4 to 10 GeV/c, 22:3283
LANZA, S. Activities of Scalbatraio center for research in nuclear safety, 25:31610
  Psico 10: facility for testing containment for nuclear plants, 23:52392
  Scalbatraio Center for research in nuclear safety, 24:43784 (CONF-700608-13)
LANZA, Vincent L. Process for irradiating polyvinylidene fluoride and a compatible polyfunctional monomer and product thereof, 25:44389
LANZA, Vincent Leonard Improvements in and relating to polymeric compositions, 22:25438
LANZAFAME, F. M. Pre-equilibrium statistical model, 24:26610
  Reactions of ^{197}Au with 19- to 100-MeV ^{4}He ions, 24:26663
  Recoil ranges of 0.22- to 5.2-MeV ions in V, Fe, Ni, Zr, and Au, 22:11968
LANZAFAME, Frank M. Non-equilibrium statistical model for compound state decay, 24:49822
LANZAFAME, Frank Michael Experimental determination and statistical-model analyses of excitation functions and recoil ion ranges from reactions induced in ^{197}Au by 19- to 100- MeV ^{4}He ions, 24:47664
LANZANO, Paolo Analytic contributions to Stoermer problem, 23:10466
  Motion of rotating spheroidal bodies in general relativity, 22:19703
  Relative motion of two spheroidal rigid bodies. II, 25:35665
LANZARA, A. Measurement of neutral and charged pion form factor slopes, 23:27736 (NP-17880)
  Neutral- and charged-pion form-factor slopes, 24:3499
LANZER, O. Packing materials for γ-irradiated foodstuffs, 25:30033
LANZEROTTI, I. J. Interplanetary-particle associations with Type-III solar bursts, 25:55778
LANZEROTTI, J. L. Observations of trapped electrons at low and high altitudes, 22:47974
LANZEROTTI, L. J. Access of solar particles to synchronous altitude, 25:27541
  Calibration of a semiconductor detector telescope for space experiments, 22:23293
  Comparison of energetic storm protons to halo protons, 24:17556
  Conjugate geomagnetic studies near the plasmapause, 25:58898
  Drift mirrow instability in magnetosphere, 24:5094
  Electron response in magnetosphere at L = 5, 22:13367
  Energetic electrons at 6.6 R/sub E/ during January 13—14, 1967, geomagnetic storm, 22:47980
  Equatorial and precipitating solar protons in the magnetosphere. II, 25:47398
  Equatorial and precipitating solar protons in the magnetosphere. I, 25:47396

- Interaction between boundary of heliosphere and magnetosphere of Jupiter, 23:34232
- Low-energy solar protons and alphas as probes of interplanetary medium, 23:30267
- Magnetospheric substorm of August 25—26, 1967, 25:30368
- Magnetospheric substorms on Sept. 14, 1968, 25:56025
- Midlatitude geomagnetic pulsations during March 7, 1970 solar eclipse, 25:40485
- Observations of trapped electrons at low and high altitudes, 22:41441 (N-68-18182)
- Outer zone electron fluxes during February 5, 1965, solar proton event, 23:5290
- Outer-zone electrons and the interplanetary magnetic fields during two geomagnetic storms, 22:36851
- Particle detection experiment for Applications Technology Satellite 1, 24:12688 (N-70-11028)
- Penetration of solar particles to ionospheric heights at low latitudes, 25:2965
- Penetration of solar protons and alphas to the geomagnetic equator, 22:47854
- Penetration of solar protons into the magnetosphere and magnetotail, 24:39934
- Photoproduction of neutral rho mesons, 22:20114
- Proton drift echoes in the magnetosphere, 25:11801
- Quiettime observation of Pc-4 micropulsation at synchronous altitude, 25:47397
- Radial diffusion of outer-zone electrons, 24:51528
- Radial diffusion of outer-zone electrons, 25:5002 (AD-710604)
- Solar flare alpha to proton ratio changes following interplanetary disturbances, 24:10290
- Solar proton radiation damage of solar cells, 23:50232
- Temporal variations in the electron flux at synchronous altitudes, 22:5231
- LANZI, G. Analysis of electron-paramagnetic-resonance lineshape of Tb^{4+} in polycrystalline TbO$_2$, 25:9582
  - Use of photo-conductive cell in x-ray detection, 23:7876
- LANZI, Giuseppe Analysis of EPR spectra of oxidizing catalysts, 25:14482
  - Nuclear magnetic resonance in irradiated polymers, 22:48885
- LANZIERI, Mario Effect of irradiation and chloramphenicol on corneal immune response, 22:38433
- LANZL, F. Color centers of rhombic and monoclinic symmetries in NaF, 21:27252
  - Linear Stark effect of F$_3^+$ center in LiF and NaF, 22:29564
- LANZL, L. H. Additional system for bone densitometry studies, 25:4634 (CONF-700515-, pp 33-47)
  - Biological depth dose studies in electron beam therapy, 23:29762
  - Depth dose studies in electron beam therapy: effects on anagen mouse hairs, 23:35861 (ACRH-31, pp 45-53)
  - Electron pencil beam scanning and its application in radiation therapy, 23:6530
  - Magnetic and threshold techniques for energy calibration of high-energy radiations, 22:43347 (ACRH-28, pp 111-25)
  - Radiobiological dosimetry with high-dose-rate electrons, 23:50494
- LANZL, Lawrence Bone densitometry: clinical applications, 25:4626 (CONF-680211-, pp 308-19)
  - Clinical application ^{125}I bone densitometry, 23:6487 (ACRH-1000-58)
- LANZL, Lawrence H. Automatic patient-contour measuring apparatus, 24:7667 (ACRH-1000-162)
  - Biological depth dose studies in electron beam therapy: effects on anagen mouse hairs, 22:6710 (ACRH-1000-26)
  - Depth dose in electron beam therapy, 22:51611
  - Detection, prevention, and retardation of menopausal osteoporosis, 24:9884 (ACRH-1000-154)
  - Distribution of absorbed dose and dose rate from scanning electron beam, 24:23198
  - Energy calibration of high-energy radiations, 23:50760
  - Injury due to accidental high-dose exposure to 10 MeV electrons, 21:18152
  - Radiation therapy of laryngeal and tracheal tumors, 21:28509 (ACRH-1000-6)
- LANZO, Chester D. Coaxial-flow stabilization of an alternating-current plasma arc, 22:39074 (N-68-21242)
  - Coaxial-flow stabilization of an alternating-current plasma arc, 23:25380
  - Curved porous wall gaseous nuclear reactor concept, 23:37667
  - Flow experiment on a curved-porous-wall gas-core reactor geometry, 24:4107
- LANZOLA, E. Bone deposition of ^{210}Pb(^{210}Po) and ^{90}Sr, 25:42382
  - Gamma-spectrometry research in human and animal organs, 23:33707 (ORNL-tr-2141)
  - Osseous deposition of radioactive strontium in cattle of various ages, 21:10824
  - Osseous deposition of radiostrontium in cattle. II, 24:4615
  - Radioactivity of foods in Province of Pavia, 25:18942
  - Research with gamma spectrometry in human and animal organs, 21:12886
  - Results of 3 years (1964—1966) of measuring radioactivity of foods sampled in city and province of Pavia, 25:42389
  - Strontium-90 and ^{137}Cs in milk during 1952 to 1966, 25:29507
- LAO, Q. H. Scintillation response of thin ZnO:Zn phosphor regions, 23:47912
- LAO, R. C. C. Ion—molecule reactions of C$^+$ with N$_2$ and O$_2$, 23:8438
- LAO, Wei-te Effect of x-ray irradiation on number of nuclei in organs of mice, 21:8924
- LAOHAVANICH, Y. Photoproduction of antineutrons and antiprotons for photon energy between 4.0 and 5.7 GeV, 21:44247
- LAOR, J. Scintigraphy of the placenta with /sup 113m/In, 23:48152
- LAOR, Y. Biophysical studies with the CO$_2$ laser, 21:34799
  - Interaction of laser radiation with biologic systems. II, 22:4676
  - Isotope scanning with ^{18}F for the early detection of bone tumors, 23:48135
  - Pathology of internal viscera following laser irradiation, 23:50876
- LAOR, Yona Laser irradiation of the skin, 21:8961
  - Laser-induced ear damage, 22:10838
- LAPAGE, Ruth Heat of combustion of plutonium nitride, 21:42957
- LA PAGLIA, S. R. Electronic transition moment of Lyman bands of H$_2$, 25:58699
- LA PAROLA, G. Lesnoni Adequacy of a calculation method for reactivity assessments in light-water reactors, 21:38479
  - Reactivity build-up in Latina Nuclear Power Plant, 21:27764
- LA PAROLA, Gian Guido Lesnoni Measurement of temperature coefficient of gas cooled reactor, 22:50753
- LAPATNICK, Leonard N. Thermal analysis of some metal benzohydroxamates, 21:64
- LAPCHENKOV, V. I. Kinetics of ^{32}P accumulation and determination of the dose in the brain by bremsstrahlung, 21:3386
  - Kinetics of ^{32}P accumulation and determination of the dose in the brain by bremsstrahlung, 22:21429
  - Radioisotope renography in lymphogranulomatosis and chronic leukemia, 22:38373
  - Use of ^{64}Cu to diagnose hepatolenticular degeneration, 21:30857
  - Use of radioactive phosphorus in cancer metastases in bones and myeloma, 25:44862
- LAPCHINSKII, V. G. Doubled microtron, 22:7584
- LAPCHUK, T. V. Thimble ionization chambers, 24:23208
- LAPENAS, A. A. Efficiency determination of scintillation γ-spectrometer, 23:14025
  - Fast neutron spectra measurements in IRT-2000 reactor, 23:4379
  - Neutron energy measurements in IRT-2000 reactor, 23:49593
- LAPENAS, V. K. Neutron energy measurements in IRT-2000 reactor, 23:49593
- LAPENNA, M. Radioprotective or radioreparative action of nucleic acids, 22:33875
- LAPERASHVILI, L. V. Amplitude of scattering of a nonvacuum reggeon by a particle, 24:35618
  - Asymptotic behavior of the amplitudes of an inelastic process, and partial amplitudes in a representation with given orbital moments, 21:46593
  - Consequences of Regge interaction of hadrons in quark model, 23:49120
  - Elastic π^+p scattering through 90° angle and contribution of Δ/sub delta/ Regge trajectory in s-channel, 22:9590
  - Isobar N$_{33}^*$ photoproduction and current algebra, 22:13701
  - Production of baryons by high energy neutrino beam and U(12) tilde-symmetry, 21:17152
  - Reggeon-particle and Reggeon—Reggeon scattering amplitudes in Veneziano model, 25:38806
  - Strange particle production by neutrino beam and U tilde(12) symmetry, 21:33669
- LAPERCHES, C. Inaccuracy in the calculation of material reactivity worths, 25:6168
  - Space dependence of the reactor kinetic parameter as measured by the Garelis—Russell method, 24:50224
- LAPEYRAQUE, F. Enzymatic studies in secondary syndrome, 22:4577
  - Metabolites in secondary syndrome complicating grafting of allogenic hematopoietic cells, 22:38206
- LAPEYRE, Gerald J. ESR studies of radiation-damage centers in Ba sulfide, 23:8681
  - Photoemission investigation of the electronic structure of dysprosium, 23:25459
- LAPEYRE, J. Pretibial myxedema three years after treatment of hyperthyroidism by ^{131}I, 23:38827
- LAPEYRE, Michel Dielectric alkane—carbon tetrachloride mixtures under x and gamma irradiation: application to x-ray dosimetry, 25:438 (NP-18481)
- LAPHAM, Avril Strontium-85 scanning of suspected bone disease, 23:31854
- LAPHAM, L. W. Transphenoidal ^{90}Y pituitary ablation, 21:6702
- LAPHAM, Lowell W. Cauda equina damage after thorium dioxide myelography, 21:24620
- LAPIASHVILI, E. S. Apparatus for dilatation of microspecimens in low temperature channels of reactors, 25:8123
- LAPICOREY, P. Late cervical radionecrosis after surgery, 22:25977
- LAPID, Y. Voltammetric determination of Ce in concentrated phosphoric acid, 22:14437
- LAPIDES, Jack Treatment of delayed intractable hemorrhagic cystitis following radiation or chemotherapy, 25:13592
- LAPIDOT, M. Application of large radiation sources, 21:41150 (NP-16994)
  - Israel food irradiation program 1965—70, 25:52274 (A/CONF.49/P-12)
- LAPIDUS, A. M. Atlas of distributions, 24:10692 (ITEF-700)
- LAPIDUS, Arnold Computer program for doing tedious algebra (SYMB66), 22:20992 (NYO-1480-88)
  - Detached shock calculation by second order finite differences, 21:19521 (NYO-1480-69)
  - Detached shock calculation by second-order finite differences, 22:17837
  - Treatment of pulsating white dwarfs including general relativistic effects, 23:51194
- LAPIDUS, I. R. Direct decays $K^{+-} \to \pi^{+-} + \gamma + \gamma$, $K^{+-} \to \pi^{+-} + \gamma + e^+ + e^-$, and $K^{+-} \to \pi^{+-} + e^+ + e^-$, 21:9756
  - Model for K/sub e5/ decay, 22:3252
  - Nonlinear terms in the $K \to 3\pi$ spectra, 23:7129
  - Three-pion decays of eta-meson, 23:32650
  - W-meson production in proton—antiproton annihilations, 21:21215
- LAPIDUS, I. Richard Current algebra and eta $\to \pi^+\pi^-\pi^0\gamma$ decay mode, 22:15728
  - Current-algebra calculation of K/sub e5/ vector form factors, 22:37123
  - Low-energy pion—nucleon scattering phase shifts, 23:36943
  - Low-energy pion—pion interaction, 22:34964
  - Pion—nucleon scattering lengths, 23:18917
- LAPIDUS, L. Decay of K^0 mesons and conservation laws, 24:5279
  - Interactions of neutrino with relativistic electrons and cosmic neutrino, 21:33676
  - Neutrino interactions with relativistic electrons, 21:11761 (JINR-P-2779)
  - Possible properties of weak six-fermion interaction, 25:5344
- LAPIDUS, L. I. Analysis of possible deviations from V—A theory of weak interactions, 23:39677
  - Consequences of CPT-invariance and experiment, 22:17978 (JINR-P2-3668)
  - Consequences of CPT-invariance and experiment, 23:5651
  - Cross section of anti Kd $\to$ KY$_1$Y$_2$, 25:9804 (JINR-P2-5231)
  - Electromagnetic form factors of a proton, 25:50090 (JINR-P2-5901)
  - Electromagnetic interactions of K/sub L,S/^{0}-mesons, 23:8766 (JINR-P2-4047)
  - Electromagnetic interactions of K/sub L,S/^{0} mesons, 23:18838 (BNL-tr-249)
  - Exclusion of one type of nonexponentiality for K^0-meson decay, 23:8785 (JINR-P2-4082)
  - Exclusion of one type of nonexponentiality for K^0-meson decays, 23:44638
  - Ideas on new experiments on polarized targets, 21:19044 (JINR-P2-3217)
  - Ideas on new experiments on polarized target, 21:37893
  - Isospin conservation and polarization effects, 21:9773
  - Meson photoproduction by polarized gamma rays and Primakoff effect, 22:39317 (JINR-P2-3845)
  - Meson photoproduction by polarized photons and Primakoff effect, 23:7115
  - Nucleon Compton-effect and sum rules for dipole nucleon momentum, 25:30776 (JINR-P2-5679)
  - Phase-shift analysis of elastic pion-nucleon scattering at 310 Mev, 21:877 (JINR-P-2898)
  - Phenomenology of $K^0 \to 2\pi$ decay and regeneration of K^0 mesons, 22:1418 (JINR-P2-3513)
  - Polarization experiments on T- and CPT-invariance test in nucleon—nucleon and nucleon—antinucleon scattering, 22:24707 (JINR-P2-3716)
  - Polarization experiments to check T and CPT invariance in nucleon—nucleon and nucleon—antinucleon scattering, 23:5658
  - Polarization experiments to test T- and CPT-invariance in nucleon—nucleon and nucleon—antinucleon scattering, 23:14961 (CERN-Trans-68-9)
  - Polarized proton acceleration with electron ring accelerator, 24:43079 (JINR-P1-5209)
  - Possibility of accelerating polarized protons in the ring-o-tron, 25:1675 (UCRL-Trans-1419)
  - Possibility of testing CPT-invariance, 22:13811 (JINR-P2-3622)
  - Possible test of CPT invariance, 22:44469
  - Processes with K-meson double strange exchange, 24:24391 (JINR-P2-5028)
  - Proton form factors, 25:27991
  - Proton formfactors, 24:47396 (JINR-P1-5178)
  - Reconstruction of forward scattering matrix amplitude, 21:37802 (JINR-P2-3374)
  - Reconstruction of the forward scattering matrix amplitudes, 22:20245
  - Relativistic reconstruction of N—N scattering matrix, 21:4065
  - Spin effects in K^0-regeneration, 22:13714 (JINR-P2-3621)
  - Spin effects in regeneration of K^0 mesons, 22:48281
  - Sum rules for Compton effect amplitudes, 22:13700
  - Sum rules for Compton-effect amplitudes, 21:29635 (JINR-P2-3301)
- LAPIERE, Ch. M. Action of ionizing radiation on collagen molecules in fibrils, 25:24057
- LAPIERRE, Ch. M. Influence of substances which change the rate of depolymerization of a collagen gel on its radiosensitivity, 25:26802
- LAPIKAS, L. Three-magnet system for measurement of electron scattering through 180°, 25:36629
- LAPIN, A. N. Effects of cold hardening and neutron irradiation on X18H10T steel, 24:17335
- LAPIN, B. A. Pathogenesis, clinical treatment and therapy of acute radiation sickness based on experiments with monkeys, 23:9969 (AEC-tr-6713)
  - Treatment of radiation sickness in monkeys by autotransplantation of bone marrow from screened parts, 23:9973 (AEC-tr-6713, pp 22-6)
- LAPIN, N. I. Charged pion photoproduction on ^{27}Al nucleus, 25:20341
  - Charged π-meson photoproduction on nuclei at E$_\gamma$ = 560 MeV, 25:59248
  - Formation system and beam parameters of gamma quanta from a 2 GeV electron accelerator, 24:45702
- LAPIN, V. I. Effect of radioisotopes on fish roe, 25:21563
- LAPIN, V. V. Phase diagrams of silicate systems, 24:16493
  - System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
- LAPINA, G. F. Excretion of purine and pyrimidine substances in patients with cancer prior to and after irradiation, 23:20289
- LAPINS, K. Susceptibility to apple powdery mildew observed in McIntosh clones after exposure to ionizing radiation, 21:28670
- LAPINS, K. O. Canadian studies on applications of isotopes and radiation in agriculture and food preservation, 25:52279 (A/CONF.49/P-162)

  Effects of gamma rays on apple and peach leaf buds at different stages of development. I, 24:7798
  Effects of gamma rays on apple and peach leaf buds at different stages of development. II, 24:25602
  Mutants of golden delicious apple induced by ionizing radiation, 25:42324
  Mutation frequencies in shoots of irradiated sweet cherry, 25:46798
LAPINS, Karlis Otto Effects of gamma rays on apple and peach leaf buds, 23:48017
LAPINSKAYA, E. M. Influence of ultraviolet light on frozen aqueous solutions of uracil, adenine, and their nucleosides, 23:2800
LAPINSKI, N. P. Use of sparking techniques to enhance track-etch radiographs, 25:4348
LAPINSKI, Norman P. Shortened processing time technique for color industrial radiography, 21:12612
LAPIS, K. Effect of radiomimetic compounds on the ultrastructure of tumour cells, 24:34386
LAPITSKAYA, E. V. Analysis of a ternary niobate [of Pb, Ca, and Sr], 23:64
  Comparison of certain methods for quantitative determination of zirconium, 24:13749
  Extraction of alkaline earth metals from perchloric acid solution with tributyl phosphate, 22:30675
LAPITSKII, A. A. Analysis of energy distribution of particles, 23:25148
LAPITSKII, A. V. Behavior of protactinium at high temperature, 21:8307
  Extraction of chelate complexes of some actinide elements, 21:8415
  Extraction of Pa by hydroxylamine derivatives, 21:8424
LAPITSKII, Yu. Ya. ITEP proton synchrotron injector, 21:19100 (LA-tr-65-31)
  ITEP proton synchrotron injector, 21:29713
  Plasma boundary of an ion source, 25:20174
  Pulsed ion source with a cathode needle, 21:27478 (LA-tr-65-32)
LAPKO, A. E. Effect of laser radiation on rats, 24:34739
LA PLACA, S. Nonstoichiometric hexaboride of thorium Th/sub 1-x/B$_6$, 25:43003
LAPLACE, Alain Europium and ytterbium monocarbides, 25:32781
LAPLANCHE, F. Background due to electron beam in experimental devices of Orsay storage ring, 22:11817
  Measurement of the radiative decay modes of phi^0 meson phi^0 $\to$ eta$^0\gamma$, phi^0 $\to$ $\pi^0\gamma$ with the Orsay storage ring, 25:1411 (LAL-1240)
  Monitoring device for γ rays for the Orsay storage ring, 22:11819
LAPLANCHE, Francis Production of ω vector mesons by electron—positron annihilation (detection of the mode $\pi^+\pi^-\pi^0$), 24:20056 (LAL-1229)
LAPLANE, D. Paralysis of brachial plexus following radiotherapy of breast cancer, 24:48712
LAPOINTE, M. Two-temperature statistical model of particle spectra. II, 24:8674
LAPOINTE, M. H. Achieving uniform spatial response from large area liquid scintillation detectors, 25:10875
LA POINTE, Martin Bolivian air shower joint experiment, 23:27388 (AD-681194)
  Program to calculate particle spectra produced in high-energy proton—proton collisions, 24:6729 (AD-691488)
LAPOINTE, S. M. Solar radio centers and interplanetary sector structures in connection with recurrent geomagnetic storms, 25:7052
LAPOLLA, J. J. In vivo responses of human lymphocytes to PPD, 23:24560
LAPONCHE, B. Neutronic study on fuel burn-up in thermal neutron reactors, 25:54093 (A/CONF.49/P-610)
  Physics of graphite lattices with plutonium bearing fuels, 23:47202 (CNM-R-2(Vol.3), pp 1713-36)
LAPONCHE, Bernard COREGRAF 2: adjustment and comparison with experiment, 25:28654 (CEA-N-1344(2))
  Equivalent sample method for analyzing oscillation experiments on fissionable samples in a thermal neutron reactor, 25:34402 (CEA-R-4152)
LAPORTE, A. Device for measuring the radioactivity of water, 23:662
  Installation of beam facility on triton reactor, 25:44158 (LB/G-2929)
LAPORTE, Augustin Device for measuring the radioactivity of water, 21:26208
LAPORTE, Christian Pierre Effect of a strain induced transformation on the toughness of high strength materials, 22:2615 (UCRL-17810)
LAPORTE, O. Weber's mixed boundary-value problem in electrodynamics, 21:27155
LAPORTE, Otto Potential problems involving the space outside a circular disk, 24:45384
  Prog. rpt. on plasmas of Hg in pressure-driven shock tube, final, 9/66, 21:13599 (AD-640245)
LAPOSA, J. D. Effect of partial and complete deuteration on the phosphorescence lifetime of phenylacetylene, 24:5660
  Phosphorescence of some deuterium-substituted phenylacetylenes, 25:29040
LAPOSTOLLE, P. Collision rings at CERN, 21:11895
  Energy flow and transients in the Alvarez structure, 21:29809
  Injectors for circular accelerators, 25:50256
  Intensity limitations in linacs and application to S.O.C, 22:41886 (RHEL/M-124, pp 1-11)
  Introduction, 25:50243
  Introduction, 25:50247
  Ion sources in large accelerators, 24:45678
  Numerical methods: acceleration by a gap, 25:50244
  Structure compensation, 23:19055 (BNL-50120(Pt.2), pp 445-56)
LAPOSTOLLE, P. M. Accurate beam dynamics equations in proton linear accelerators, 21:29798
  Addendum to design study of 300 GeV proton synchrotron, 22:1523 (CERN-702)
  Beam-envelope oscillations with space charge in circular particle accelerators, 21:38065
  Bunching, 23:19043 (BNL-50120(Pt.1), pp 317-27)
  Design equations in an Alvarez-type proton linear accelerator, 21:11838 (LA-3609, pp 201-6)
  Design of a high intensity proton linear accelerator, 21:38066
  Design study of 300-GeV proton synchrotron, 22:22482 (CERN-563(Add.))
  Intensity dependent effects and space charge limit investigations on linear injector and synchrotron, 23:5720 (CERN-68-35)
  Possible emittance increase through filamentation due to space charge in continuous beams, 25:50565
LAPOSTOLLE, Pierre M. Linear accelerators, 25:50220
LAPOSTOLLE, Yves Reaction kinetics of the tungsten dioxide reduction by hydrogen, 24:36876
LAPOTNIKOV, V. A. Vitamin B$_6$ effects upon ^{59}Fe utilization by pronormoblasts and normoblasts of patients with iron deficiency anemias, 23:16228
LAPP, Neil Arden Radiation studies in Heteroderidae, 25:46793
LAPP, Ralph E. Four big fears about nuclear power, 25:36973
LAPP, Wayne Allogeneic inhibition in tolerant animals, 24:637
LAPPENBUSCH, W. L. In situ measurement of radiation dose in Columbia River, 25:46841
LAPPENBUSCH, William L. Mechanism of radioprotective action of dimethyl sulfoxide, 25:42524
  Radiosensitivity of rough-skinned newt, 25:32570
LAPPENBUSCH, William Louis Effect of (DMSO) radiosensitivity of rough skinned newt, 24:34647
LAPPENBUSH, William L. Radiation response of rough-skinned newt Taricha granulosa, 25:13477
LAPPIN, P. W. Relative sensitivity of various areas of the retina to laser radiation, 25:26940
LAPPIN, Paul W. Histologic evaluation of ophthalmoscopically subvisible retinal laser exposures, 24:48684
  Ocular damage thresholds for the helium—neon laser, 24:21307
LAPPLE, R. γ-irradiated alkaline ice, 24:2226
LAPPO, M. T. Modulation of the light reflected by silicon p—n junctions irradiated with fast neutrons, 21:27243
  Vibration spectra of lattice defect—oxygen complexes in Si, 25:7456
LAPRUN, I. B. Efferent sympathetic activity from mixed nerve cord of frog in post-radiation period, 23:45920
  Investigation of radiotoxins of a quinoid nature, 22:49512
LAPRUS, W. Dissipative conservation laws in magnetohydrodynamics, 24:1313
LAPSHIN, Ey. A. Effect of deuterium oxide on the heat stability of staphylophage, 24:9973
LAPSHIN, N. A. Influence of ethaperzine on the interoceptive reflexes before and after irradiation of animals, 25:29643
  Interrelationship of interoceptive unconditioned reflexes after irradiation, 25:11282
  Reflex action of cystamine before and after irradiation, 22:31245
LAPSHIN, S. I. Experimental gamma radiography equipment for determining defects in construction materials, 25:34822
LAPSHIN, V. G. Compensating for the effect of the amplitude spread of counter pulses at the operating moment of high-speed shapers, 25:48999
  Device with snap-off diode for compensation of influence of pulse amplitude spread of scintillation and Cherenkov counters, 25:18639 (IFVE-SEF-69-44)
  Generator of series of nanosecond light pulses, 21:45389
  Hodoscope systems in crossed fields, 24:33867 (IFVE-SEF-69-22)
  Nanosecond time-of-flight spectrometer, 23:16200
  Pulse shaper with independent regulation of output pulse duration and dead time, 25:29342
  Stabilization system for a time-of-flight spectrometer of nanosecond range, 22:51244 (NP-tr-1693)
  Stabilization system of time-of-flight spectrometer of nanosecond range, 21:34469 (JINR-P13-3342)
  System for the stabilization of a time-of-flight spectrometer of the nanosecond range, 22:43094
  Time-of-flight spectrometer of nanosecond range, 22:2394 (JINR-P13-3549)
LAPSHOV, Yu. K. Investigation of conditions for preparation and physical properties of WB—LaB$_6$ system, 22:23732
  Physical properties of the W—LaB$_6$ alloys, 21:11314
  Properties of W—BN system, 22:762
LAPSHUK, P. V. Million-channel system for measurement of statistical distribution, 22:43190
LAPSLEY, A. C. Determination of the lumped heat-transfer and reactivity coefficients of a research reactor, 23:31207
  New technique for space—time kinetics, 24:7292
  Numerical solution of the time- and space-dependent multigroup neutron diffusion equations, 24:22060
  Photoneutron monitor for detecting reactor fuel element failures, 21:5723
LAPTEV, A. I. Effects of fractionated γ irradiation, 24:7991
  Experiment on chronic γ-irradiation of rats with variable daily dose of influence, 23:923
  Interpretations of biological effect of chronic γ-irradiation, 23:6567 (JPRS-44299, pp 77-85)
  Model for cumulative damage in systematic γ-irradiation, 22:12918
LAPTEV, N. Ya. Effect of induced radioactivity on dissolution and hydrogen production of Armco iron in mineral acid solutions, 22:16596
  Influence of induced radioactivity on dissolution and hydrogen dressing of Armco iron in mineral acid solutions, 22:8756
  Influence of induced radioactivity of steel 45 on protective properties of inhibitors during dissolution in sulfuric acid, 22:12981
LAPTEV, S. V. Diffraction scattering of 40-MeV α particles by complex nuclei, 21:33943
  Excitation functions of reactions induced by alpha particles of 38 MeV on copper isotopes, 25:53699
LAPTEV, V. G. Monitoring of boiling-type atomic power stations environment, 24:45991
  Radioactivation determination of Ta in minerals and rocks with a Ge(Li)-spectrometer, 25:2139
LAPTEV, V. V. Use of a combination of radiometric methods to determine the position of the water oil interface in carbonate reservoirs, 24:7520
LAPTHISOPHON, T. Deoxyribonucleic acid repair replication after ultraviolet light or x-ray exposure of bacteria, 22:8493
LAQUER, H. L. Automatic superconducting flux pump, 22:39006
  Automatic superconducting switches, 22:29388
  Cryostat for intermediate temperatures, 21:11576
  Energy storage and switching with superconductors, 25:56110 (LA-DC-12990)
  Evaluation of winding techniques and Nb—Ti wires for superconducting magnet, 24:45660
  Faraday effect at low temperatures in terbium alumina silicate glass, 22:39197
  Flux pump work at Los Alamos, 22:48033 (LA-DC-9820)
  Magnetization studies on superconducting V—Ga, 23:39433
  Pulsed cryogenic magnetic energy storage, 23:34461 (LA-4195)
  Superconducting quadrupole doublet for LAMPF, 25:14860
  System for continuous recording of critical current curves of superconductors, 22:4524
LAQUER, Henry L. Automatic superconducting pump, 23:9622
LAQUEY, R. SPECS, a versatile space-qualified detector of charged particles, 21:34483
LAQUEY, Robert Eugene Kinetic theory of boundary between solar wind and magnetosphere, 24:15191
LARACH, Simon Cathode-ray-excited emission spectroscopic analysis of trace rare earths. I, 22:25270
  Cathode-ray-excited emission spectroscopic analysis of trace rare earths. III, 23:24069
  Cathode-ray-excited emission spectroscopy of trace rare earths. V, 25:20916
  Emission spectroscopic analysis for trace rare earths. II, 22:44987
  Spectroscopic analysis of trace rare earths. IV, 24:48032
LARAMORE, G. E. Sideband diffraction, 25:963
LARAMORE, George Anomalous electrical conductivity above the superconducting transition, 23:1343
LARAMORE, George E. Fluctuation enhancement of the electrical conductivity above the superconducting transition, 24:10483
LARAMORE, George Ernest Transport phenomena near the critical point, 24:21721
LARANJEIRA, M. F. Convergence and concentration dependence of isotopic thermal diffusion factor, 24:388
  Isotopic thermal diffusion factor for mixtures ^{3}He—^{4}He and H$_2$—D$_2$, 24:389
  Isotopic thermal diffusion in neon, 22:28023
LARA SAENZ, Maria D. Toxicology of natural uranium, 25:21580
LARBALESTIER, D. C. Magnetisation studies of some cryogenic alloys, 25:14172
  Problems with stainless steel formers for superconducting magnets, 25:1139
LARCHER, Ghislain Aerodynamic measurements in a plasma jet, 21:9576
  Development of a clean shock tube for making spectroscopic measurements on a plasma, 25:9510
  Dynamic pressures in plasma jets of helium and argon in air, 21:20962
  Intensities of spectral lines and background continuum of Ar plasma produced in a shock tube, 25:9423
LARDER, Richard A. Use of crystal accelerometers at high accelerations and temperatures, 21:35827 (UCRL-70518)
LARDERA, S. Relativistic potential scattering and field-theoretical amplitude, 25:1648
LARDILLON, Serge Apparatus for the macrographic observation of metallographic specimens, 25:48899
LAREAU, J. G. Microbarograph systems study, 21:26276 (SC-DR-67-149)
LAREDO, E. X-ray examination of U oxides of the UO$_2$ type after quenching, 21:6828 (ORNL-tr-1410)
LARENZ, R. W. Collective fraction in plasma microfields, 23:5420
LAREW, H. G. Prog. rpt. on deformation characteristics of soil, 12/64—2/66, 21:19813 (SC-CR-66-2114)
LARFORS, Ove Cosmic ray intensity variations during 1967, 23:25169 (AD-678246)
LARGE, David B. Influence of a radial magnetic field on the resonances of a spherical plasma cavity, 22:36823
  Resonances of a cylindrical earth-ionosphere cavity model with a dipolar magnetic field, 22:2948
  Resonances of the thin-shell model of the earth—ionosphere cavity with a dipolar magnetic field, 21:35103
  Theory of electromagnetic coupling phenomena in Earth—ionosphere cavity, 22:36847
LARGE, David Brownlee Resonant-mode coupling effects in the Earth—ionosphere cavity, 23:3369
LARGE, L. N. Electrical activity and Hall mobility of ion-implanted layers in silicon, 23:48974
  Ion implantation: new method of doping semiconductors. I, 23:42426
  Ion implantation: new method of doping semiconductors. II, 23:51775
  Ion-implantation doping of semiconductors, 22:9484
  Profiles of high conductivity shallow layers in silicon produced by boron ion implantation, 21:44164
LARGE, Leslie Noel Improvements in or relating to neutron generators, 21:46657

  - Neutron generators, 23:39877
- LARGE, M. I. Clustering of pulsars along the galactic plane, 23:10366
  - Digital measurement of radio source positions, 24:1170
  - Dispersion and pulse length of the pulsating radio source PSR 1749-28, 22:52341
  - Five new pulsars, 24:12565
  - Five new pulsars, 24:48947
  - Highly dispersed pulsar and three others, 23:51236
  - Improved right ascensions for 0.9 steradians of 4C catalogue, 24:23649
  - Predicted parameters of supernova pulsars, 24:12548
  - Pulsar observations at Molonglo, 24:27982
  - Pulsar search at Molonglo Radio Observatory, 23:3211
  - Pulsar supernova association, 23:1101
  - Radio study of the North Polar Spur. III, 21:9285
  - Revised spectra for 74 radio sources, 23:12477
  - Search of galactic plane for high-dispersion pulsars, 25:24785
  - Single-pulse search for pulsars, 24:46934
  - Some further pulsar observations at Molonglo, 23:25062
  - Three new pulsars, 23:34186
- LARGE, N. R. Data processing system for radioactivity measurements on air samples, 24:41712
  - DIODE: computer program for comprehensive evaluation of gamma spectra, 25:37623 (AERE-R-6748)
  - Gamma spectrum of ^{143}Pr, 21:25555
  - High-energy gamma rays from short-lived fission products, 24:30799
  - List of radioactive isotopes in ascending order of half-life, 22:48441 (AERE-M-2058)
  - Preparation of ^{151}Gd for Moessbauer spectrometry of ^{151}Eu, 23:43347
  - Some chemical methods for the separation of high purity short-lived fission products, 23:26261 (AERE-M-2135)
  - Table of radioactive nuclides arranged in ascending order of half-life, 25:1712
- LARGE, R. S. Measurement of the neutron capture cross sections of ^{147}Pm, ^{148}Pm, /sup 148m/Pm, and ^{147}Sm, 21:42637
  - Precise determination of ^{239}Np for evaluation of ^{238}U capture cross-sections at varying neutron energies in a zero-energy fast reactor, 22:4041
- LARHER, Yves Study of structure of physisorbed phases by thermodynamic analysis of stepwise isotherms of Kr, Xe, Ar, and methane on cleavage face of halides having a layer-like structure, 25:41824 (CEA-R-4089)
- LARI, C. Colors of quasi-stellar objects, 22:8960
  - Optical identifications of a complete sample of faint radiosources, 24:32564
  - Upper limit to continuous emission of CP 1133, 23:10378
- LARI, R. J. Edge-cooled, high-current septum magnet, 25:50494
  - Effect of a delta function sextupole field on phase space trajectories, 25:50557
  - Field design of the main-ring bending magnets of the NAL 200-GeV synchrotron, 23:28092
- LARICHEV, A. V. Energy buildup factors of gamma radiation in spherical and slab shields, 23:16864
  - Penetration of γ rays through spherical and cylindrical shields, 21:21005
  - Problems of protection from ionizing radiations in radiation chemistry, 25:42448
  - Spectral and angular distributions of γ radiation of ^{137}Cs scattered in spherical and slab shields, 22:3153
- LARICHEVA, M. A. Conversion of K_2CO_3 into $KHCO_3$ in gas loop of MHD generator, 25:7213
- LARIKOV, L. N. Effect of neutron irradiation during doses on annealing of W single crystals, 25:32762
  - Effect of preliminary recovery on the recrystallization kinetics of deformed metals, 21:13193 (AD-643925)
  - Effect of the geometry of plastic deformation on the mechanical properties of niobium single crystals, 25:16468
  - Influence of deformation conditions on polygonization and recrystallization of single-crystal molybdenum, 25:55559
  - Investigation of rhenium and molybdenum diffusion in tungsten and its alloys, 21:34903
  - Kinetics of primary, cumulative, and secondary recrystallization in Mo foil, 21:24797
  - Mechanism of secondary recrystallization in molybdenum foil, 24:1045
  - Radiation annealing of deformed molybdenum single crystals, 22:28848
  - Recovery and recrystallization of Mo single crystals, 24:10097
  - Self-diffusion in mono- and polycrystalline tungsten, 23:8239
  - Solubility of tungsten in cobalt in solid phase, 21:39649
  - Structural changes produced by oxidation of Cr—Y alloys, 23:8124
  - Studies of substructure of neutron-irradiated and annealed tungsten and molybdenum, 23:48981
  - Thermodynamic properties of solid solutions of tungsten in cobalt, 22:28791
  - Weakening effect due to annealing in neutron-irradiated Al, Cu, and Mo, 21:3527
- LARIKOVA, G. A. Effect of ionizing radiation on lipid biosynthesis in yeasts, 22:52021
  - Influence of a radiomimetic on biosynthesis of fats and sterols, 24:2578
  - Lipid biosynthesis by radioresistant and radiosensitive yeasts, 23:24561
- LARIMER, J. W. Chemical fractionations in meteorites. III, 24:25028
- LARIMER, John W. Chemical fractionations in meteorites. II, 22:2727
  - Chemical fractionations in meteorites. I, 22:5023
- LARIN, A. A. Conditions of formation of uranium oxycarbides, 25:49511
  - Effect of additions of strontium oxide on kinetics of U_4O_9 reduction by H, 24:6273
  - Influence of heterophase additions of some oxides on kinetics of reduction of U_4O_9 with hydrogen, 23:24160
  - Reduction of beta dioxide of U by H in presence of Nb_2O_5, 23:40670
  - Reduction of β-dioxide of uranium by hydrogen in presence of additions Y_2O_3, 23:35065
  - Reduction of U_4O_9 by H in presence of additions of MgO, 23:19702
- LARIN, Frank Radiation effects in semiconductor devices, 22:16971
- LARIN, I. K. Radiolysis of gases in an electric field. I, 23:17475
  - Radiolysis of gases in electric fields. II, 23:28900
- LARIN, M. P. Characteristic electron energy loss spectra for osmium, 24:44987
  - Measurements of Hall constant in Nb—Zr systems, 23:46070
- LARIN, V. A. Chemical transformation of polyvinyl acetate at its radiation-thermical modification, 21:38965
  - Radiolysis of acetone. II, 22:33425
  - Radiolysis of acetone. III, 23:4696
  - Radiolysis of acetone. IV, 23:35218
  - Radiolysis of acetone. V, 24:41370
  - Radiolysis of n-alkyl ketones, 23:28895
- LARINA, L. S. Alloying of Magnico alloy with Nd, 25:58250
- LARIONENKO, O. I. Effects of Starfish explosion on condition of ionosphere, 24:5076
- LARIONOV, M. G. Photoscintillations of KCl:Tl excited in the F band, 21:23263
- LARIONOV, M. M Possible cause of plasma turbulence in a high current toroidal discharge, 23:14825
- LARIONOV, M. M. Influence of turbulence on accuracy of microwave "cutoff" measurements of plasma concentration, 21:31419
  - Investigation of a turbulent plasma by microwave techniques, 22:3026
  - Measurement of the extreme high-frequency conductivity of plasma in the Al'fa machine, 22:3027
  - Methods of investigation of turbulent phenomena in plasma by scattering of shf waves, 25:58996
  - Microwave probe investigation of plasma turbulence in a high current toroidal discharge, 22:39043 (NP-tr-1676)
  - Possible cause of plasma turbulence in a high current toroidal discharge, 22:20027 (MATT-Trans-53)
  - Spectrum of turbulent fluctuations of plasma parameters, 23:32527
  - Studies of turbulence of high-current toroidal discharge plasma by means of ultrahigh-frequency probing method, 22:44090 (NP-17571)
  - Study of plasma turbulence in a high current toroidal discharge by means of superhigh-frequency probing, 22:46121 (MATT-Trans-61)
- LARIONOV, S. V. Uranyl reactions with xanthates, 21:1288
- LARIONOV, V. V. Calibration of radiometric instruments on the basis of borehole measurements, 25:44715
  - Estimation of the single-stage isotope separation factor in the electromigration of isotopic ions through an ion-exchange membrane, 25:54729
  - Investigations of natural radioactivity of sedimentary rocks, 22:30712
  - Natural radioactivity of Jurassic polymictic sandy-argillaceous deposits of Mangyshlak peninsula, 25:23707
  - Some peculiarities in the distribution of natural radioactive elements in carbonate rocks, 21:22032
- LARIONOV, Yu. A. Micro-arc type operation of electrodes of MHD generator, 24:28143
- LARIONOVA, V. G. Angular and energy dependance of effective cross section for photo production of mesons π^+ on protons, 23:30693 (CERN-Trans-68-18)
  - Angular dependence of the cross section for photoproduction of charged pions on nucleons, 21:44249
  - Approximation for angular and energy dependence of π^+-photoproduction cross sections on protons in the near-threshold energy region, 22:39342
  - Differential cross sections of π^+ meson-photo-production on protons in 165 to 230 MeV photon energy region, 22:32043
  - Near-threshold photoproduction of charged pions, 24:28472
  - Phenomenological analysis of photoproduction of charged pions on nucleons in the near-threshold energy region, 23:14938
  - Phenomenological analysis of photoproduction of charged pions on nucleons in range of energies near threshold, 24:8581 (CERN-Trans-68-14)
  - Photoproduction of mesons (π^+) on protons near the threshold, 21:7450
  - Total cross sections of charged pion photoproduction on nucleons near threshold, 23:30729
- LARIOSHCHENKO, T. G. Radiosensitivity of malignant melanoma, 24:34552
- LARISSE, J. Contribution to systems analysis of nuclear plants, 25:21334
  - Methods for independent determination of process inventory in nuclear facilities: fabrication plant, 23:40971 (KFK-903)
  - Safeguards system studies, 24:18692
  - Safeguards system studies and fuel cycle analysis, 23:24058 (KFK-900)
  - Stochastic problem in non-linear systems with a reference to correlations in nuclear reactor theory, 21:5561 (EUR-3074.e)
- LARIVAILLE, Pierrette Problems raised by introducing into an electric power system a nuclear reactor of large capacity, 25:34251
- LARIVIERE, J. R. Packaging and storing radioactive wastes, 24:22978
  - Waste encapsulation and storage facilities at Hanford, 24:413 (ARH-SA-41)
- LARIVIERE, Philip D. Development of an intermediate- and high-atomic-number dosimeter, 25:49017 (AD-718370)
  - Estimating the importance of individual radionuclides in fission and induced product mixtures, 21:10460 (AD-642421)
  - Introduction to long-term biological effects of nuclear war, 21:20233 (NP-16462)
  - Postattack recovery of damaged urban areas, 21:32680 (SRI-4949-130)
  - Unique throwaway LiF dosimeter, 23:7809 (CONF-680920-, pp 78-81)
- LARIZZA, P. Diagnostic use of radioisotopes in internal medicine, 23:2894
- LARK, K. G. Exchange of bound tritium between DNA and water at different temperatures, 24:22645
- LARK, N. L. Spark scanning for fission fragment tracks in plastic foils, 23:7752
  - Spontaneously fissioning isomers in U, Np, Pu, and Am isotopes, 24:13349
- LARKIN, A. I. Analog of the Josephson effect in nuclear transformations, 21:46823
  - Effect of fluctuations on superconductor, 22:50110
  - Effect of inhomogeneities on the structure of the mixed state of superconductors, 24:28218
  - Josephson effect in superconducting point contacts, 23:25247
  - Josephson effect in superconductors separated by a normal metal, 22:44045
  - Quasi-classical method in superconductivity theory, 23:8566
  - Radiation line width in Josephson effect, 22:13401
  - Tunnel effect between superconductors in an alternating field, 21:5228
- LARKIN, Edward P. Inactivation of thirty viruses by gamma radiation, 25:47064
- LARKIN, G. N. Oscillator model of UO_2^{2+} group and fluorescent spectra of uranyl compounds, 22:30544
- LARKINS, F. P. Dependence of fluorescence yield on atomic configuration, 25:47344
- LARKWORTHY, L. F. Hydrated double sulphates and chlorides of tervalent uranium, 23:185
  - Preparation and properties of hydrated $U_2(SO_4)_3$, 22:10231
  - Thermal decomposition of hydrazinium (+1)- and hydroxyammonium pentafluoro uranates(IV), 22:89
- LARM, Allan Michael Renormalizable theory for the weak interaction, 24:35639
- LARMOND, Elizabeth Effect of gamma irradiation on peaches, 23:8100
- LARMORE, L. Space shuttles and interplanetary missions. Based on shuttle, precursor missions, and planetary and lunar space station sessions of AAS 16th annual meeting, June 8—10, 1970, Anaheim, California, 25:28786
  - Space stations. Based on space station, safety, and international sessions of AAS 16th annual meeting, June 8—10, 1970, Anaheim, California, 25:26784
- LARNER, D. Intermediate coupling in the N = 29 and Z = 29 nuclei, 25:3592 (COO-1120-106)
  - Intermediate coupling in the N = 29 and Z = 29 nuclei, 25:18010
  - Particle-hole states in ^{40}Ca according to SU_3 scheme, 22:9813
- LARNER, Donald SU_3 particle—hole states in ^{40}Ca, 21:42608
  - SU_3 particle-hole states in ^{40}Ca, 21:19203 (IS-1420)
- LARNER, K. L. Surface motion measurements, 23:484 (PNE-513)
- LAROCHE, Gilles Evidence for heterogeneous turnover of iodine in rat thyroid glands, 21:12779
  - Thyroidal impairment by ^{131}I in young chinook salmon, 21:22319
- LAROCHE, Jean Isotope separations by chemical exchange, 22:33553
- LAROCHE, Laurent P. Ophthalmic hazards of microwave, 24:21190
- LAROCHE, R. Impregnating systems for producing wood—plastic composite materials, 24:13937
- LAROCHE, Roger Pagure: ^{60}Co panoramic irradiation facility, 22:21232 (CEA-R-3302)
- LAROCHELLE, Jean-Louis Cure of a case of reticulosarcoma of the soft tissue of the thigh, 21:24525
- LAROSE, James H. Eye tumor identification tests using semiconductor detectors, 25:58064
  - Medical problems in eye tumor identification, 25:58063
  - Radioiodinated toluidine blue: an unsatisfactory scanning agent, 25:11188
- LAROSE-POUTISSOU, R. Accelerator for studying the reaction $^3H(t,\alpha)2n$, 23:52095
- LAROZE, L. Calculations on the three-nucleon system using a separable expansion of local potentials, 25:20538
  - Hall—Post lower bound calculations for the three-nucleon system, 25:43983
  - Relationship between the triton energy and the neutron—deuteron doublet scattering length, 25:18013
  - Separable approximation for n—d scattering, 24:52138
  - Separable potential calculations on the $^1/_2{}^+$ neutron—deuteron system, 25:12359
- LAROZE, Luciano B. Calculations on neutron—deuteron scattering, 25:12227
- LARRA, Francis Radioautographic techniques in determining turnover of cell components, 25:32316
- LARRABEE, Graydon Activation analysis of silicon by convention carrier separations and by computer reduction of gamma spectra, 21:2946
- LARRABEE, Graydon B. Determination of sodium in ultrapure silicon and silicon dioxide films by activation analysis, 21:34223
  - Neutron activation analysis of epitaxial silicon, 25:51415
- LARRABEE, J. C. Decrease in D-region O_2(^{1}Δ/sub g/) photoionization rates, 25:16954
  - Effect of absorption by O and N on upper atmosphere composition measurements, 23:5320
- LARRAIN, J. Cross-conduction errors in thermocouples, 23:7430
- LARRANCE, J. Oceanography and marine ecology in vicinity of Amchitka Island, 23:13598 (BMI-171-112)

- LARREA, Francoise Ratio of ^{234}Np isomers in ^{238}U deuteron interactions, 25:20389
- LARREA, Pablo A. Idealized data handling system, 25:4328
- LARRIBE, A. Study of the decay mode eta $\rightarrow \pi^+\pi^-\gamma$, 21:25225
  - Test of C invariance in the 3π decay mode of the eta meson, 21:5351
- LARRICK, A. P. Alternate procedures for extended layup of N Reactor, 25:46178 (DUN-7541)
  - Chemical decontamination of large nuclear steam generators, 22:24952 (DUN-SA-62)
  - Nuclear reactor systems: decontamination, 22:35686
- LARRICK, Alvin P. Inhibition of stress-corrosion cracking with phosphate solutions, 22:36430 (BNWL-753)
  - Laboratory investigation on controlling cast iron galvanic corrosion in Columbia river water, 22:38512 (BNWL-763)
- LARRIMORE, J. A. Considerations on optimization of pulsed reactors, 24:7243
  - Considerations on pulsed reactor optimization, 25:12827
  - Discrete kinetics for periodically pulsed fast reactors, 23:37696
  - Physics of periodically pulsed reactors and boosters, 21:35609
  - Safety studies for the gas-cooled fast reactor, 24:50153 (CONF-700401-, pp 879-89)
  - SORA, 24:11241 (CONF-690102-, pp 265-85)
  - SORA reactor: design status report, 21:44507 (CONF-660925, pp 373-411)
- LARRIMORE, James A. Local flow blockage effects in gas-cooled fast breeder reactors, 25:41437
- LARSEN, A. Blood flow studied by freely diffusible radioactive indicators, 22:25946
  - Coronal line profiles observed by means of coronagraphs and a Fabry—Perot spectrometer, 25:35775
- LARSEN, Carl W. NAL: new instrument for physics research, 24:30636
- LARSEN, Ch. J. Research on low molecular weight ribonucleic ribosomic acid isolated from mammals, 21:47053 (LA-tr-67-90)
- LARSEN, D. E. Radioactive filter handling facility design for Prairie Island nuclear plant, 24:45853
- LARSEN, E. Radio-gas-chromatography of application in recoil chemistry, 22:35875
- LARSEN, E. M. Zirconium and hafnium chemistry, 25:23542
- LARSEN, Earl I. Refractory metal composite, 21:6786
- LARSEN, Edwin M. Preparation of ZrX_4 single crystals and differential reduction of Zr from Hf in molten Al_2X_6, 24:18974
- LARSEN, F. Improvement in the rf capture by using nonsinusoidal accelerating voltages, 23:28057
  - Nonsinusoidal accelerating voltages to increase synchrotron phase space acceptance, 23:15303 (PPAD-649-E)
  - Positive muon magnetic moment, 24:51897
  - Radio frequency bunch tightening, 23:7204 (TID-24800)
- LARSEN, F. Bundgaard Facilities at Risoe for post-irradiation examination of Dragon Project experiments, 25:4262 (DP-Report-446)
- LARSEN, F. L. Activation of Ar near a target irradiated by 3 GeV protons, 21:36579 (PNE-627-E)
  - Activation of argon near a target irradiated by 3 GeV protons, 22:22511
  - Induced radioactivity and related measurements in a 3 GeV high current proton synchrotron, 21:38117
  - Magnetic moment of the positve muon, 24:30430
- LARSEN, G. Extended capability for fast neutron hodoscope used at TREAT, 22:28076
- LARSEN, G. M. Rapid treadwear ratings with radioactive isotopes, 22:10518
- LARSEN, G. R. Computer control of prompt-critical transients in TREAT, 24:33424
- LARSEN, Hans SYNTHRON: three-dimensional flux synthesis program, 25:26062 (RISO-M-1346)
- LARSEN, I. Lauren Radioisotope measurements of viscera of Pacific salmon, 23:17900 (CONF-670503-, pp 440-9)
- LARSEN, Ib Pilot-plant vitrification of simulated radioactive waste with heat produced by sending alternating current through the glass, 22:2325 (RISO-150)
- LARSEN, Ingvar L. Radioanalysis procedures, 24:13767 (RLO-1750-54, pp 5-6)
  - Zinc-65 in Mytilus californianus, 24:14394 (RLO-1750-54, pp 154-7)
- LARSEN, J. E. Flexible neutron radiography facility using a TRIGA reactor source, 25:51737
  - Hazards report for modified HTGR critical facility, 21:14071 (GA-6452(Rev.2))
- LARSEN, J. M. Collision measurements by magnetoplasma pulse response, 25:17144
- LARSEN, J. S. High-energy spectra of 12-yr ^{152}Eu, 21:33975
  - New high spin isomer /sup 179m2/Hf, 24:43356
  - New high-spin isomer /sup 179m_2/Hf and intraband branchings in the ground-state rotational sequence of ^{179}Hf, 24:38275
- LARSEN, J. T. Fission fragment analyzer, 24:44349 (UCRL-72422)
  - Gamma-ray studies of the decays of ^{142}Xe, ^{142}Cs, ^{142}Ba, and ^{142}La, 25:34116
  - Seven-detector system for γ—γ angular correlations, 23:21952
  - Use of an electronic integrator to control the magnetic field in a beta spectrometer, 21:45409
- LARSEN, Jens S. Decay of ^{206}Tl. Gamma-ray measurement, 23:47014
- LARSEN, Joergen Hannover Effect of transplanted lymphoid cells, irradiation, and drug therapy on permanent immunologic tolerance, 25:42313
- LARSEN, Jon Thorsten Gamma ray decay schemes for ^{142}Xe, ^{142}Cs, ^{142}Ba, ^{142}La, 24:40610 (IS-T-352)
  - Gamma-ray decay schemes for ^{142}Xe, ^{142}Cs, ^{142}Ba, and ^{142}La, 25:17941
- LARSEN, Lauren Activity of Columbia River radionuclides in Pacific Ocean water, 24:14100 (RLO-1750-54, pp 75-7)
  - Form and depth of Columbia river plume water, 24:14045 (RLO-1750-54, pp 16-18)
  - Large volume precipitation, 24:14044 (RLO-1750-54, pp 13-15)
  - Measurement of ^{51}Cr, 24:14043 (RLO-1750-54, pp 10-11)
- LARSEN, Lee, B. Hospitals occupational health programs, 24:7881
- LARSEN, M. Lolk Heating in a reactor fuel element rod under transient conditions. I, 25:57094 (RISO-M-1391)
  - Heating in reactor fuel element rod under transient conditions. I, 25:51140 (RISO-M-1391)
- LARSEN, O. A. Evaluation of arterial insufficiency of the legs, 25:11139
- LARSEN, P. Reed Di Guglielmo's syndrome after polycythemia, 21:24560
- LARSEN, P. S. DNB measurements for upwards flow of water at 1600 to 2300 psia, 21:43161
  - Hydrodynamic aspects of crossflow to cylindrical rods, 24:7579 (WCAP-2670)
  - Influence of axially nonuniform heat flux on DNB, 21:36248
- LARSEN, R. Enhanced radiation during auroral and geomagnetic disturbances, 21:41945
  - Multi-angle fast neutron time-of-flight system, 21:26175
- LARSEN, R. C. Large area time-of-flight counter system, 22:4478
  - Polarization of cosmic-ray muons, 25:45651
  - Proton—proton triple scattering at 1.9 GeV, 23:25522
  - Search for particles with charge 2/3e in cosmic rays, 21:37183 (BNL-11544)
  - Search for particles with fractional charge greater than or equal to $^4/_3$e in cosmic rays, 22:11241
  - Search for the intermediate vector boson, 23:49045
  - Search for the intermediate vector boson, 25:38654
- LARSEN, R. M. Altered recuperative potential in previously irradiated mice, 21:28597 (USNRDL-TR-67-35)
  - Colony-forming units and survival of irradiated mice, 24:6059
  - Recovery in the mouse after neutron-irradiation: evaluation of injury and recovery using split-dose lethality and repropulation of colony-forming units, 25:6773 (CONF-691106-, pp 435-50)
  - Staining technique for spleen nodules, 24:9943
  - Survival-promoting effects of endotoxin in mice, dogs, and sheep, 25:4586
- LARSEN, R. N. High resolution Ge(Li) spectrometer for high input rates, 21:26163
  - Pulse height defect due to electron interaction in dead layers of Ge(Li) γ-ray detectors, 22:317
  - Pulse shape distributions from gamma-rays in lithium drifted germanium detectors, 21:6223
  - Pulse-height defect due to electron interaction in the dead layers of Ge(Li) gamma-ray detectors, 23:22023
  - Pulse-height defect due to electron interaction in dead layers of Ge(Li) γ-ray detectors, 23:33382 (ANL-7282, pp 188-209)
  - Separately housed Ge(Li) detectors operating in parallel and as a summing Compton spectrometer, 24:39342
  - Simple technique for measuring pulse shapes from nuclear detectors, 23:667
- LARSEN, R. P. Activation-rate measurements in the ZPR-3 mockup critical experiments. Part I. Measurements of foil-activation rates and fission yields in Assembly 60 of ZPR-3: mockup of EBR-II with a uranium blanket, 25:44150 (ANL-7781)
  - Analytical research and development, 21:4433 (ANL-7125, pp 241-3)
  - Analytical research and development, 21:45005 (ANL-7325, pp 201-3)
  - Chemical Engineering Division. Cross sections and burnup semiannual report, January—June 1971, 25:60035 (ANL-7824)
  - Colorimetric determination of zirconium with 1-(2-pyridylazo)-2-naphthol, 23:28712
  - Determination of burnup of fast reactor fuels, 24:1996 (ANL-7575, pp 177-80)
  - Fission yields of ^{99}Mo and ^{140}Ba in fast-neutron-induced fission of ^{239}Pu, 24:33151
  - Integral measurement of ^{239}Pu alpha, 24:33247
  - Integral measurement of ^{239}Pu and ^{233}U alpha, 25:46062
  - Uranium-235 and ^{239}Pu fast fission yields as a function of neutron energy, 25:41241
- LARSEN, R. R. Inelastic K^+-proton interactions at 2.65 GeV/c, 21:37714
  - Orbital-angular-momentum structure of the A_1 meson, 24:24366
  - Pi^{+-} 4-prong interactions at 16 GeV/c, 21:44277 (SLAC-PUB-334)
  - SLAC monochromatic photon beam, 23:44767
- LARSEN, R. S. CAMAC dataway and branch highway signal standards, 25:57880
  - Precision toroidal charge monitor for SLAC, 22:32369 (SLAC-PUB-398)
- LARSEN, Raymond S. Digital computer error analysis of a resonant toroid charge monitor, 23:30860 (SLAC-100)
- LARSEN, Rex M. Assessment of radiation damage to hematopoietic cells of mice, 23:31638 (AD-683664)
- LARSEN, Robert N. Pulse-stretching circuit, 24:44376
- LARSEN, Russell David X-ray diffraction studies of nitrate complexes of Th(IV) and Ce(IV) in solution, 22:16562
- LARSEN, Sigurd Y. Second virial coefficient of ^{4}He in temperature range from 2 to 20°K, 22:31767
- LARSEN, T. Irradiation of steels for reactor pressure vessels, 21:507 (RCN-57)
- LARSEN, T. R. Position and height of auroral absorption deduced from vlf phase measurements, 23:12647
- LARSEN, T. Roeed Fine structure of the Earth-ionosphere cavity resonances, 22:41484
- LARSEN, Trygve Roed Measurements of the earth—ionospheric cavity resonance frequencies at high latitude, 22:11333
- LARSEN, W. L. Transformations and structures in the U—Re system. I, 21:24793
  - Transformations and structures in the U—Re system. II, 21:24792
  - Transformations and structures in the U—Re system. III, 21:24791
- LARSEN, William L. Internal oxidation and oxides of a vanadium—15 titanium—7.5 chromium alloy, 24:27727 (IS-2151)
- LARSEN-BADSE, J. Temperature and time dependence of hardness of iron and nickel, 21:32863 (ORNL-TM-1861)
- LARSEN-BADSE, Jorgen Indentation creep of soft metals, 21:34891 (ORNL-TM-1862)
  - Time-dependent hardness of soft metals, 21:28753 (ORNL-TM-1771)
- LARSKII, P. P. Results and purposes of medical supervision of persons working with sources of ionizing radiation in USSR, 25:52090 (A/CONF.49/P-439)
- LARSON, A. H. Thermodynamic study of Zr—S system, 23:22684
- LARSON, A. M. Pathfinder Atomic Power Plant two-phase level measurements and steam dryer efficiency measurements, 21:25614 (ACNP-67517)
- LARSON, Allen C. Crystal structure of Pu_3Zn/sub approximately 9/, 21:41608
  - MADMAC, a MADCAP version of DEC code MACRO-8 for assembling PDP-8 codes on MANIAC, 22:7949 (LA-3792)
  - Self-consistent field Hartree calculations for atoms and ions, 22:15327 (LA-DC-8508)
  - Self-consistent field Hartree calculations for atoms and ions, 24:8322 (LA-4297)
  - Self-consistent-field calculations for the translawrencium elements, 22:38764
- LARSON, Arvid G. Wavelength dependence and aspect sensitivity of radar auroral echoes between 50 and 3000 MHz, 21:37291
- LARSON, B. C. Anomalous-x-ray-transmission investigation of neutron-irradiated copper: comparison of theory and experiment, 25:45564
- LARSON, C. Present state and future aspects of production of nuclear energy in the US, 25:50905
- LARSON, C. A. FORTRAN II computer program for analysis of ellipsometric data, 21:6748 (RFP-729)
- LARSON, C. F. Industry cooperative program on heavy-section steels, 24:25661
- LARSON, C. L. Characterization of source terms for aerosol transport during sodium fires, 21:31909 (CONF-660904-Vol.1 and 2, pp 28-48)
- LARSON, Clarence E. Energy-environmental equation, 25:39132 (A/CONF.49/P-723) .
- LARSON, D. B. Computer calculations of Gasbuggy Event, 22:35966 (UCRL-50419)
  - Peak-stress gauge for determining the yield of underground nuclear detonations, 23:2474
- LARSON, D. E. Treatment of Hanford nuclear fuels processing wastes to permit long-term storage, 23:47581 (ARH-SA-51)
- LARSON, D. J. Hydrogen—deuterium atomic magnetic moment ratio and deuterium hyperfine frequency, 24:6353
- LARSON, D. L. Basal and squamous cell carcinoma of the face, 21:12980
- LARSON, D. T. Ellipsometer studies of plutonium oxidation, 23:45282
  - Optical constants of plutonium at 5461 A, 22:8773
  - Oxidation of a ternary uranium alloy, 25:24542
- LARSON, D. W. Ablation and thermal analysis of Apollo Lunar Radioisotopic Heater, 23:47701 (SC-RR-69-303)
  - Ablation and thermal response of SNAP-27 graphite LM fuel cask during multiple orbit reentry, 24:9604 (SC-RR-69-353)
- LARSON, Donald T. FORTRAN IV program for ellipsometer measurements of surface films, 24:4189 (RFP-1392)
- LARSON, Donelly T. Characteristics of uranium oxides produced by thermal and oxygen-ion bombardment reactions, 21:13242 (RFP-863)
- LARSON, E. A. Properties of carbon derived from indene compounds, 25:57295 (Y-1790)
- LARSON, E. V. Fourth sound in superfluid helium, 23:48861
- LARSON, Gary Hollis Spin-lattice relaxation studies in some rare earth salts, 21:9669
- LARSON, H. A. Collection and evaluation of kinetics data from EBR-II run 46A. EBR-II Project, 25:54199 (ANL-EBR-28)
  - On-line feedback analysis at EBR-II, 25:41551
- LARSON, H. J. Existing and projected plants and processes for thermal reactor fuel recovery: experience and plans, 25:37453 (A/CONF.49/P-65)
  - Scram reduction at the General Electric Test Reactor, 21:35728
  - Up-rating the power of the General Electric Test Reactor, 21:38729
- LARSON, H. T. Reactions ^{3}H(^{3}H,^{3}He)2n and ^{3}He(^{3}H,^{3}H)2p, 25:17690
- LARSON, H. V. Action after accidental intake of Pu, 24:7863
  - Counting of plutonium in the lung, 21:45340 (BNWL-481-4, pp 25-7)
  - Dosimetry of alpha emitters in the lung, 23:4837 (BNWL-SA-1765)
  - Establishment and utilization of film dosimeter performance criteria, 22:17023 (BNWL-542)
  - Factors in controlling personnel exposure to radiations from external sources, 22:8333
  - Factors involved in establishing film dosimeter performance criteria, 22:21521
  - Film dosimeter performance criteria and an assessment of current performance levels, 22:33671 (BNWL-SA-1836)
  - Intercomparison of portable radiation monitoring instrument evaluations, 25:10809 (BNWL-SA-3565)

- Intercomparison of the characteristics of beta/gamma and neutron survey instruments, 25:57782
- Internal radiation dose management aspects of accidental nuclear explosions, 22:31058 (BNWL-SA-1511)
- K-fluorescence x-rays: a multi-use tool for health physics, 25:44735
- Management of an extensive plutonium wound and the evaluation of the residual internal deposition of plutonium, 22:21544
- Post attack actions in a nuclear mass disaster, 22:33809 (BNWL-SA-1509)
- Radiological calibration and standardization for health physics, 23:31774
- Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
- Tissue analysis for plutonium at autopsy, 23:24649
- Tissue sampling for plutonium through an autopsy program, 21:6486 (BNWL-SA-918)
- LARSON, Harold Theodore Neutron—neutron scattering parameters from ^{3}He(d,t)2p and ^{3}H(d,^{3}He)2n reactions, 25:17693
- LARSON, Howard Allen Energy-dependent neutron transport calculations in thick and thin slabs, 25:56632
- LARSON, J. A. Electrodeposition of nickel from heavy water, 24:50384
- LARSON, J. D. Brookhaven tandem facility radiation safety system, 25:50477
  - Chemical and radiochemical analyses of water from streams, reservoirs, wells, and springs in Rulison project area, Garfield and Mesa Counties, Colorado, 24:14111 (USGS-474-67)
  - Chemical and radiochemical analyses of water from streams, reservoirs, wells, and springs in Rulison Project area, 24:16413 (USGS-474-67)
  - Phase space ellipse transport using two ray vectors, 25:50561
  - Ungridded electrostatic mirror, 22:13885
- LARSON, J. G. Microstructure of lead-base alloys, 23:27119
- LARSON, J. M. ^{111}In: new radioisotope for cysternoscintillography, 25:58052
  - Electronic system developments for proton recoil spectra measurements in plutonium critical facilities, 23:2572
  - Liquid organic fast-neutron detector assembly, 24:31716
  - Ni_8Ta in Ni-rich Ni—Ta alloys, 24:14803
  - Spectrum distortion from amplifier overloads in proton-recoil proportional counting, 23:29217
  - Wide-band charge-sensitive preamplifier for proton-recoil proportional counting, 23:29206 (ANL-7517)
- LARSON, J. R. Design basis for LOFT facility, 25:6104
  - Turbulent free convection in near-critical water, 21:4666
- LARSON, James D. Electrostatic deflector for selectively and adjustably bending a charged particle beam, 25:29408
- LARSON, Jay Michael Precipitation processes in Ni-rich Ni—Ta binary alloys, 25:22102
- LARSON, John W. Heats of dilution and the thermodynamics of dissociation of uranyl and vanadyl sulfates, 25:44374
- LARSON, K. H. Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
  - Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 22:18963 (BNWL-481-1, pp 93-101)
  - Persistence of Pu in soil, plants, and small mammals, 24:4590 (UCLA-12-754)
  - Plutonium in soil, plants, and small mammals, 25:4478
  - Projects 62.86 and 62.80. I and II, 21:12546 (PNE-225-F)
  - Radiological observations and characteristics of fallout debris from nuclear cratering experiment, Shot Danny Boy, 24:46356 (POR-1818)
  - Root transfer of fission products from contaminated soil, 21:24357
- LARSON, L. D. Evaluation of creep deformations in PWR-1 blanket shells, 24:6234
- LARSON, L. E. Sensitive radio receiver for ionospheric measurements, 23:26626
- LARSON, L. H. Results from a typical startup and power test program for a General Electric Boiling Water Reactor, 23:47093 (APED-5698)
- LARSON, L. T. Reflectivity measurements of zirconium, 23:48437
- LARSON, Lee E. Effective recombination coefficient in the lower ionosphere, 23:25231
- LARSON, Lee Edward Electron density measurements in lower ionosphere, 22:24191
- LARSON, M. D. Search for deuterium on Venus, 25:47320
- LARSON, M. O. Coherent cosmic-ray model based on direct muon production, 22:52966
  - Evidence for a new production process for 10^{13}-eV muons, 22:7180
  - Underground cosmic ray experiments, 24:21925
- LARSON, Michael Oberlin Muon intensities deep underground, 22:38827
- LARSON, Oliver W. Radiation measurements of effluent from NRX A-4 reactor, 21:12838 (LA-3583)
  - Radiation measurements of effluent from Phoebus 1B reactor, 22:12442 (LA-3787)
- LARSON, P. S. Effects of adding gamma-irradiated green beans or fruit compote to the diet of dogs, 21:8952
- LARSON, Paul O. Hot maintenance planning and preparation at GE's ESADA-Vallecitos Experimental Superheat Reactor, 21:7926
- LARSON, Q. V. Chemistry of ^{128}I and ^{130}I recoils in neutron-irradiated crystalline K iodate, 23:40738
  - Chemistry of /sup 38g/Cl recoils in neutron-irradiated crystalline $KClO_2$, $KClO_3$, and $KClO_4$, 23:234
  - Chemistry of /sup 82g/Br recoils in neutron-irradiated crystalline alkali metal bromates, 22:12384
- LARSON, R. AGS injector beam monitoring system, 21:19086 (BNL-11148)
  - AGS injector beam monitoring system, 21:31653 (BNL-11493)
  - Effect of localized gas densities on vacuum ionization gages, 21:34543
- LARSON, R. A. Air gage fixture for measurement of work-piece seating location, 22:30748 (RFP-1096)
- LARSON, R. B. Formation of massive stars and the upper limit of stellar masses, 25:40167
- LARSON, R. E. Application of advanced dynamic programming computational procedures to planning of nuclear fuel reprocessing plants and nuclear power reactors, 24:18589 (TID-25349)
  - Decay of ^{61}Cu: energy levels of ^{61}Ni, 23:21317
  - Determination of Sr in sea water by photon activation analysis, 25:12974
  - Expansion planning of nuclear power generation systems, 24:33180
  - Expansion planning of the fuel reprocessing industry, 24:31466
  - Gamma rays from decay of ^{44}Sc, /sup 44m/Sc, and ^{48}Sc and energy levels in ^{44}Ca and ^{48}Ti, 24:52545
  - Measurements of ^{43}K, ^{44}K, and ^{45}K gamma rays, 24:49718
  - Neutron activation analysis of barnacle shells, 24:119
  - Oceanographic investigations using a sector-focusing cyclotron, 24:48051
  - Photonuclear production of Ar isotopes, 24:5753
  - Production and decay of ^{43}Ar and ^{44}Ar, 23:46953
  - Reactions (γ,2n), (γ,αn), and (γ,α2n) on ^{63}Cu and the decay of ^{58}Co, 22:20507
  - Use of activation analysis to determine the chemical composition and origin of particulates collected in the marine atmosphere, 25:31873
- LARSON, R. S. Precision toroidal charge monitor for SLAC, 22:46660
- LARSON, R. W. Normal modes of a nonuniform plasma, 22:24295
- LARSON, Reginald E. Nuclear analysis program of NRL cyclotron facility, 24:168
- LARSON, Richard B. Dynamics of collapsing protostar, 24:8244
  - Emitted spectrum of a protostar, 24:8243
  - Evolution of star clusters, 24:48930
  - Method for computing the evolution of star clusters, 24:25846
  - Model for formation of a spherical galaxy, 24:12612
- LARSON, Richard Bondo Dynamics of a collapsing protostar, 23:1091
- LARSON, Ronal Worthington Study of the inhomogeneously sheathed spherical dipole antenna in a compressible plasma, 21:32554
- LARSON, S. Automatic instrument for measuring the light transmission of personnel monitoring films, 21:36404
- LARSON, Steven M. Diagnosis of placenta praevia by photoscanning with albumin labeled with /sup 99m/Tc, 22:40795
  - Improved detector for video systems used in radionuclide studies, 25:55278
  - Influence of previous lumbar puncture and pneumoencephalography on the incidence of unsuccessful radioisotope cisternography, 25:52139
  - Long-term effects of local irradiation of the marrow on erythron and red cell function, 25:11112
  - Placenta, 23:50736
  - Radiopharmacology of a simplified /sup 99m/Tc-colloid preparation for photoscanning, 21:22537
- LARSON, T. R. Stress effects in paraelectric resonance of KCl:Li, 25:54369 (NYO-2150-76)
- LARSON, V. L. Epidemiological studies on the natural transmission of bovine leukemia, 24:31141 (COO-910-20)
  - Isolation of c type virus particles from leukemic and lymphocytotic cattle, 24:31142 (COO-910-21)
  - Virologic and immunologic studies of C-type virus particles isolated from bovine leukemia, 25:39365 (COO-910-26)
- LARSON, V. M. Prevention of SV_{40} virus tumorigenesis, 21:20352
- LARSON, W. J. Identification of failed fuel elements, 23:37529
  - Progress in xenon tagging, 25:6025
- LARSON, W. L. Fully stabilized superconducting strip for Argonne and Brookhaven bubble chambers, 22:28173
- LARSSEN, A. Occupational radiation exposure in German Democratic Republic, 1967, 24:21186 (SZS-10/69)
  - Occupational radiation exposure in German Democratic Republic, 1968, 24:21187 (SZS-12/69)
- LARSSEN, B. Determination of reactor dynamics, 21:34127
- LARSSON, A. Reprocessing of nuclear fuel, 21:19749
- LARSSON, A. E. Improvement of reactor fuel element heat transfer by surface roughness, 21:30082 (AE-271)
- LARSSON, Alf Nuclear power station at Vaertan, 23:28377
  - Process for recovering plutonium and uranium from reactor fuel elements irradiated at various degrees, 25:13101
  - Recovery of Pu and U from reactor fuel elements, 25:26346
- LARSSON, Alf Harald Manner of processing plutonium-containing uranium fuel from nuclear reactors, 25:23698
- LARSSON, B. Nitrogen determination in seeds by direct nuclear reactions, 23:31306
  - Prog. rpt. on localized radiolesions in central nervous system, final, 2/1/61-1/31/62, 21:6607 (AD-632819)
  - Roentgen stand for field positioning in high energy radiotherapy, 23:2900
- LARSSON, Boerje Effect of high-energy protons on Vx2 carcinoma, 23:41392
  - Histopathology of late radiolesions, 25:19124
  - Therapeutic uses of n, p, α, and π, 21:22645
- LARSSON, Borje Application of 185 Mev proton beam to cancer therapy and neurosurgery, 21:4813 (AD-632702)
  - High-energy protons in radiotherapy, 23:48171
  - Prog. rpt. on pigeons with restricted lesions in telencephalon, final, 10/15/62, 21:39483 (AD-632812)
  - Radiological properties of beams of high-energy protons, 22:12893
- LARSSON, C. Energy of the 834 keV gamma line in ^{72}Ga decay, 24:3911
- LARSSON, Curt Reaction ^{45}Sc(^{3}He,d)^{46}Ti, 25:31278
  - Scandium-45 level scheme, 25:14941
- LARSSON, E. I. Resolution components and differential linearity of a gamma camera, 23:33460
- LARSSON, Egon Formation of negative metal ions in a field-free plasma, 23:23106 (AE-350)
- LARSSON, K. E. Atomic motion in liquid argon, 21:11387 (FFN-60)
  - Atomic motion in liquid argon, 21:39821
  - Collective atomic motions in liquid aluminum studied by cold neutron scattering, 21:9307
  - Neutron scattering results, 23:52105
  - Neutron scattering technique and relaxation phenomena in liquids, 22:32004
  - Proton motions in complex hydrogenous liquids. II, 21:2029
  - Rotational molecular motion and the transient nature of liquids as seen by slow-neutron scattering, 25:17681
  - Slow neutron spectrometers at the Swedish reactors, 22:12131
- LARSSON, K. Sune Case of chondrosarcoma with pulmonary and skeletal metastases after hemipelvectomy, successfully treated with ^{35}S-Sulfate, 23:35837
- LARSSON, Karl-Erik Proton motions in complex hydrogenous liquids. I, 21:2028
- LARSSON, L. E. Late effects of Thorotrast in cerebral angiography, 23:26938
- LARSSON, L. G. Measurement of decay of thermal neutrons in water poisoned with the non-1/v neutron absorber cadmium, 22:13893 (AE-309)
  - Measurement of decay of thermal neutrons in aqueous solutions of non-1/v neutron absorber Cd, 22:41931
  - Modified least-squares method to unscramble proton recoil spectra, 22:33662
- LARSSON, Mats Helium-3-crysotat for specific heat measurements, 25:14212 (UUIP-677)
- LARSSON, Ragnar Infrared absorption intensity of ν_3 vibration of UO_2^{2+} ion in nitrate and thiocyanate media, 22:47127
- LARSSON, S. Method of obtaining Brueckner orbitals for atoms and molecules, 25:2926
- LARSSON, Y. Power supply in Sweden in the 1970's, 22:20818 (NP-17271)
- LARTIGUE, J. Fuel-cycle evaluation criteria for an intermediate-power reactor, 25:28722
- LARTIGUE G., J. Effect of reprocessing time on economy of fast breeder reactors, 24:11145
  - Influence of the fuel cycle in selection of a nuclear power reactor program, 21:10156
- LARUELLE, P. Crystal structures of sulfides Yb_3S_4 and MnY_2S_4, 22:24390 (CONF-670502-, pp 225-7)
- LARUELLE, Pierre Solid-state chemistry of binary sulfides, selenides, and tellurides of rare earth elements, 24:4834
- LARUS, Joel Nuclear weapons safety and the common defense, 22:42931
- LARY, Edmund C. Insulating vanes for linear MHD devices, 21:3744
- LASA, D. Pulmonary scintigraphy for tumor diagnosis, 23:48121
  - Selenium tracer for detection of cartilaginous tumors, 21:20302
- LASA, J. Analysis of sulphur compounds by means of gas chromatography and radioionizing detectors, 25:37309 (INP-738)
  - Analysis of sulphur compounds of industrial combustion gases by means of an electron-capture type detector, 25:32297
  - Electron capture type detector, 24:46526 (INP-700)
  - High stability radioionizing detector for gas chromatography, 25:32209 (INP-737)
  - Measurement of the air-exchange rate in cooling chambers by means of beta ionizing detectors, 25:49025 (INP-743)
- LASA, Jan Characteristics of cross-section detectors with gas ionized by beta particles of tritium, ^{85}Kr, and ^{63}Ni, 23:17760
  - Ionization mechanism of admixtures of permanent gases in argon in radioionization detectors applied in gas chromatography, 21:25794
  - Possibilities of increasing sensitivity of radioionization detectors for permanent gases by application of gas amplification, 23:11814
- LA SALA, A. M. Jr. Preliminary evaluation of hydrologic factors related to radioactive waste storage in basaltic rocks at the Hanford Reservation, Washington, 25:48606 (TID-25764)
- LASALLE, R. A. Analysis of heavy ion elastic scattering using an extended optical model, 24:49727
  - Another low energy nuclear physics on-line digital computer facility, 24:8770 (CONF-690301-, pp 333-9)
  - Behaviour of angular correlation symmetry angle following inelastic scattering of ^{3}He particles from ^{12}C, 22:22556
  - Modular, digital interface system utilizing a bus structure, 24:39405
  - Resolution of ambiguities in optical-model potential for ^{16}O—^{24}Mg from elastic scattering data near Coulomb barrier, 22:50581
  - Various nuclear-potential descriptions of the elastic scattering of ^{16}O + ^{40}Ca, 24:13339
- LASAREV, S. D. Influence of a magnetic field on viscous gas flow, 21:13425
- LASAREV, Yu. A. Production of spontaneously fissioning isomers ^{242}Am and ^{244}Am, 25:20412
- LASCH, S. Artificial triggering of vlf magnetospheric noise, 23:23012
  - Effect of a transmitter frequency increase on occurrence of vlf noise, 23:23014
- LASCH, Steve Vlf noise triggered in magnetosphere, 23:23013

- LASCOMBE, Jean Spectroscopic study of molecular complexes between fluorides of hydrogen and deuterium, 24:33701
- LASCOUX, Jean Perturbation theory in quantum field theory and homology, 24:33042
- LASCU-SIMION, L. High-temperature fatigue of chrome steels, 22:19532
- LASEK, Andre Contact surface and shock wave in an electromagnetic shock tube, 24:28303
- LASER, M. Development of a process for reprocessing graphitic feed and breed elements by chlorination, 25:243
  - Diffusion of fission products in overlapping chemical reaction, 21:23859 (EUR-3272.d)
  - Energy accumulation in solid bodies through nuclear radiation by storage of highly radioactive scrap, 25:54969 (JUL-766-CT)
  - Fission product decontamination by uranium volatilization with sulfur hexafluoride, 22:33545
  - Fluorination of Pa, 23:11497
  - Fluorination of protactinium, 24:41248 (ORNL-tr-2350)
  - Permeability of graphite for volatile fission products, 21:30292
  - Release of fissionable material and fission products from nuclear fuels and sintered microspheres at high temperature, 23:9352 (EUR-4059)
  - Separation properties of Th—U fuels, 23:38042
- LASER, Manfred Method of treating coated-particle nuclear-reactor fuels, 23:4731
- LASHCHUK, A. I. Spectrometer with Ge(Li) detector in anticoincidence, 23:2639
- LASHER, D. R. Statitron: a low-energy pulsed electron accelerator, 21:35365 (UCRL-50215)
- LASHER, Gordon Coherent photon states and long-range order in two-dimensional Bose system, 22:39220
  - Mixed state of type-I superconducting films in a perpendicular magnetic field, 21:15066
  - Superfluidity and long-range order in two-dimensional systems, 23:42180
- LASHER, L. C. Treatment of radioactive waste at ORNL and BNL, 21:263
- LASHER, L. E. Radiation from an isothermal H plasma at temperatures up to 40,000°K, 21:18717
- LASHINSKY, H. Bombardment diode for Q machines, 24:26243
  - Ion—acoustic waves in a single-ended Q machine, 24:26277
  - Microwave diagnostics of a transient plasma with an active Fabry—Perot resonator, 24:6521
  - Parametric excitation of ion-acoustic waves in a bounded plasma, 25:40709
  - Periodic pulling and transition to turbulence in Q machine, 24:26209
  - Periodic pulling and turbulence in a bounded plasma, 23:14826
  - Plasma impedance element in an active Fabry—Perot microwave resonator, 22:41547 (TID-24566)
  - Prog. rpt. on investigation of universal plasma instabilities, 9—11/68, 23:27645 (TID-25037)
  - Prog. rpt. on universal plasma instabilities, 6—8/66, 21:2273 (ORO-3405-9)
  - Prog. rpt. on universal plasma instabilities, annual, 6/1/68, 22:31865 (ORO-3405-20)
  - Prog. rpt. on universal plasma instabilities, annual, 6/1/69, 23:34457 (TID-25120)
- LASHINSKY, Herbert Dynamic stabilization of plasma instabilities, 25:27777
  - Mathematical models for nonlinear mode interactions in bounded plasmas, 21:18672 (ORO-3405-14)
  - Mode synchronization phenomena in universal plasma instabilities, 21:20989 (ORO-3405-15)
  - Nonlinear mode interactions in bounded plasmas, 24:24096
  - Periodic pulling and the transition to turbulence in a system with discrete modes, 24:1417
  - Periodic pulling and transition to turbulence in system with discrete modes, 22:34649 (ORO-3405-21)
  - Prog. rpt. on universal plasma instabilities, annual, 1966, 21:18761 (ORO-3405-11)
  - Prog. rpt. on universal plasma instabilities, 12/67—2/68, 22:44093 (ORO-3405-17)
- LASHKAREV, G. V. Diamagnetic susceptibility of La selenides, 23:5468
  - Magnetic susceptibility of compounds in Sm—Te system, 25:33453
- LASHKO, N. F. Phase composition of heat-resistant steels and alloys of the Fe—Ni—Cr—Ti—Mo—W—B systems, 21:11242
- LASHMORE-DAVIES, C. N. Effect of boundary conditions on stability of nonuniform plasma, 23:23179
  - High frequency electrostatic waves in a non-uniform plasma in the presence of a magnetic field, 22:11429 (CLM-R-75)
  - Instability in a perpendicular collisionless shock wave for arbitrary ion temperatures, 25:40635
  - Plasma stabilization by feedback, 24:35449
  - Plasma stabilization by feedback, 25:27756
  - Possible mechanism for instability in a perpendicular collisionless shock wave, 24:51738
  - Stabilization of a low-density plasma in a simple magnetic mirror by feedback control, 25:27757
  - Stabilization of a low-density plasma in a simple magnetic mirror by feedback control, 25:40674
  - Theory of high-frequency electrostatic waves in a nonuniform plasma, 23:20972
- LASHOCK, J. J. Automatic real time air monitoring of ^{85}Kr utilizing the 4096 memory of a multiparameter analyzer, 22:28082
  - Automatic real-time air monitoring of ^{85}Kr utilizing the 4096 memory of a multiparameter analyzer, 23:9554 (BNWL-715-3, pp 58-62)
  - Electronic design and construction of a noble gas atmospheric tracer system, 23:9553 (BNWL-715-3, pp 54-7)
- LASHOUK, N. A. Synchrotron (1.5 GeV) of the Polytechnical Inst. of Tomsk, 23:13177
- LASHUK, A. I. Cross sections of formation of gamma quanta in reaction $(n,n'\gamma)$ in fluorine, cobalt, antimony, and tantalum nuclei, 24:8839 (FEI-155)
  - Effects of light conductor on γ-spectrometer characteristics, 21:39240
  - Excitation of the first levels in nuclei ^{58}Ni and ^{60}Ni, 25:25682
  - Increase in the efficiency of collecting secondary charged particles in accelerating tubes with oblique fields, 25:22922
  - Inelastic neutron scattering on C, Al, Fe, and Bi nuclei, 22:11922
  - Inelastic neutron scattering-$(n,n'\gamma)$-by F, Fe, Co, Ni, and Ta nuclei, 25:14960
- LASHUK, N. A. Operational results with the 1.5-GeV synchrotron, 24:38054
- LASINGER, F. Cold neutron cross sections of polyethylene and polystyrene at low temperatures, 21:27513
- LASINSKI, T. Diffraction slopes in meson—nucleon scattering, 23:25642
  - Improved partial wave analysis of anti KN $\longrightarrow$ anti KN from 800 to 1200 MeV/c, 25:59293
  - Interaction (anti KN) from 800 to 1200 MeV/c. II, 23:10762
  - Phenomenological model of diffraction and resonant scattering, 22:5584
  - Saturation of high-energy forward elastic amplitudes with an infinite-resonance model, 23:15269
- LASINSKI, T. A. Determination of anti KYP coupling constants, 25:25464
  - Diffractive-resonance interference model and its application to $K^{-}p$ scattering, 25:33751
  - Total cross-sections at infinite momentum and the low-energy background, 25:5378
- LASK, S. Apparatus for the study of reactions in stationary droplets by radioactive tracers, 22:2060
  - Laboratory apparatus for the investigation of spray reactions with the aid of radioactive tracers, 21:8233 (IA-1078)
- LASKA, H. M. Permeation, diffusion, and solubility of deuterium in pyrex glass, 23:11516
- LASKA, L. Cross wave of moving striations in the plasma of a positive column, 22:1230
  - Ionization waves dispersion curves in a nitrogen discharge plasma, 23:5408
  - Ionization waves in hydrogen, 23:42273
- LASKAR, A. L. Impurity tracer diffusion in silver halides, 24:13694 (ORO-2036-13)
- LASKAR, Paul A. Synthesis and biological activity of deuteriobenzyl-d_7-penicillin, 25:10560
- LASKAR, W. Study of d—^{4}He elastic scattering by the method of resonance groups, 22:46714
- LASKAR, William Excited level at 2.19 MeV of ^{6}Li, 22:18125
- LASKARIDES, P. G. Spectrographic study of β Cephei star τ Eridani, 25:32893
  - Spectrum of U Cephei, 24:51265
- LASKEN, R. A. He II—He I transition in a heat current, 25:40518
  - He II—He I transition in the presence of a heat current, 25:14136
- LASKER, B. M. Attempt to optically identify PSR 0833-45, 23:41812
  - Optical identification of southern radio sources, 25:55725
- LASKER, Barry M. Energization of the interstellar medium by ionization-limited H II regions, 21:37087
  - High-frequency stellar oscillations. II, 24:8260
  - High-frequency stellar oscillations. VI, 25:13808
  - High-frequency stellar oscillations. V, 25:19309
  - Homogeneity of the spectral-energy distribution among giant E and SO galaxies, 24:17598
  - Ionization fronts for H II regions with magnetic fields, 21:3607
- LASKEY, J. W. Incorporation of phenylalanine into protein in x-irradiated fetal rat, 24:23350 (CONF-690501-, pp 985-94)
- LASKIEWICZ, R. A. Sputtering of uranium by fission, 25:4827
- LASKIN, Sidney Studies in pulmonary carcinogenesis, 24:27676 (CONF-691001-, pp 321-51)
- LASKORIN, B. N. Extraction of Ce(III) with ethylenebisdioctylphosphine oxide, 22:10331
  - Extraction of uranium and plutonium using mono- and bifunctional phosphine oxides, 25:51556 (A/CONF.49/P-443)
  - Extractive properties of phosphine oxides, 21:45221
  - Ion exchange fibers and fabrics. II, 25:57555
  - N-benzylalkylamines as extractants of uranium from sulfate solutions, 25:6418
  - Principal rules for uranium extraction by phosphine oxides, 24:31452
  - Some regularities in the extraction of rare earth elements and yttrium with trialkylphosphine oxide, 22:18876
  - Survey of development on technology of processing uranium ore in U.S.S.R, 25:18491 (AEC-tr-7190)
  - Uranium(VI) extraction from perchlorate aqueous solutions by di(2-ethylhexyl) phosphoric acid in n-octane, 21:4598
  - Uranyl nitrate solvation by ethylenebis[dioctylphosphine oxide], 22:16545
- LASKOWSKI, J. Morphology of radiation-induced changes in breast cancer, 23:38876
  - Radiation-induced changes in axillary lymph nodes in breast cancer treated preoperatively with x rays, 23:38874
- LASKOWSKI, Josef Morphology of post-irradiation changes in breast cancer, 22:30981
  - Post-irradiation changes in axillary lymph nodes in breast cancer preoperatively treated with x rays, 22:30987
- LASKOWSKI, M. Studies on some properties of plasma spray powders, 23:44004 (INR-1028)
- LASKOWSKI, W. Cysteine incorporation and radioprotection in Saccharomyces, 21:1788
  - Environmentally induced variations in x irradiation resistance of a Saccharomyces mutant, 23:33685
  - Four radiation sensitive mutants of Saccharomyces, 24:48522
  - Isolation of radiosensitive mutant of Saccharomyces, 22:38240
  - Nucleic acid content and nucleic acid synthesis in saccharomyces cells after x irradiation, 23:14134
- LASKOWSKI, Wolfgang Effects of x radiation on DNA synthesis, 23:7954
  - Inactivation of yeast cells by x-irradiated buffers, 22:28720
  - Nucleic acid content and synthesis after roentgen irradiation, 21:24683
  - Rates of DNA synthesis in radiation-sensitive Saccharomyces mutant after uv or x-ray irradiation, 24:598
- LASKY, C. AGS low field correction elements, 21:38046
  - Particle accelerators, 21:4139 (BNL-10487)
- LASKY, Mary Ann Planning a group shelter, 21:10847 (AD-629926)
  - Planning a group shelter, 21:10850 (AD-629940)
- LASKY, Paul Howard Inelastic interactions of the cosmic-ray muons in a thick lead target, 21:2355
- LASLAVSKII, A. Breakdown of highest symmetries and nonet pseudoscalar mesons, 24:5328
- LASLETT, L. J. Eigenfields created by a beam oscillating transversally in the presence of sweep electrodes, 22:11814
  - Electron-ring accelerator program at Berkeley, 25:25578 (UCRL-20150)
  - Forming intense rings of electrons suitable for the acceleration of ions, 23:19099
  - Method for static-field compression in an electron-ring accelerator, 23:28193
  - Recent experiments on forming electron rings at Berkeley, 25:33905 (UCRL-20183)
  - Resonant stability limits for synchrotron oscillations, 21:13751 (CONF-650923-35)
- LASLETT, L. Jackson Acceleration of particles by collective fields. II, 25:25582
  - Amplitudes of oscillation for positive ions in the electrostatic field of an electron beam whose minor radius b is damped, 22:46609 (UCRL-18103, pp 273-4)
  - Computational program, 22:46603 (UCRL-18103, pp 228-36)
  - Computer programs, 22:46604 (UCRL-18103, pp 237-44)
  - Concerning the self fields of a beam oscillating transversely in the presence of clearing-electrode plates, 21:5436 (UCID-2851)
  - Control of the closed orbit in synchrotrons by displacement of magnets, 22:3563 (UCRL-17796)
  - Damping of minor radius for a toroid, 22:46608 (UCRL-18103, pp 270-2)
  - Damping of orbit radius in a pulsed field, 22:46607 (UCRL-18103, pp 263-9a)
  - Electrostatic and magnetostatic image—field coefficients, 23:52055 (UCRL-18892)
  - Electrostatic field of ions loaded into a uniform electron beam, 22:46612 (UCRL-18103, pp 291-7)
  - Enhancement of incoherent ring-image focusing through use of dielectric, 22:46630 (UCRL-18103, pp 426-30)
  - Force on a current ring in an electromagnetic field, 22:46605 (UCRL-18103, pp 245-53)
  - Incoherent ring image in a circular cylinder: results, 22:46629 (UCRL-18103, pp 419-25)
  - Incoherent ring image in a circular cylinder, 22:46628 (UCRL-18103, pp 401-18)
  - Long-term stability for particle orbits, 23:5724 (NYO-1480-101)
  - Potential well of a toroid, 22:46610 (UCRL-18103, pp 275-8)
  - Self-fields of a toroid, 22:46611 (UCRL-18103, pp 279-90)
  - Space-charge intensity limit imposed by coherent oscillation of bunched synchrotron beam, 22:32262 (CEAL-2000, pp 150-2)
  - Theoretical aspects, 22:46590 (UCRL-18103, pp 116-19)
- LASLEY, Eric Current algebra and the trace of the energy—momentum tensor, 25:43630
  - Minimal factorized Veneziano amplitudes for reactions $A_1\pi \longrightarrow A_1\pi$, $A_1\pi \longrightarrow \pi\pi$, $\pi\pi \longrightarrow \pi\pi$, 25:1515
  - Reaction $\omega\pi \longrightarrow \omega\pi$ in Veneziano model, 24:30516
- LASLEY, Eric Loren Meson—meson scattering in the Veneziano model, 25:14695
- LASLO, J. A. Coke moisture measurement, 22:28192
- LASOTA, J. P. Contracting and radiating bodies, 22:36656
- LASOTA, Jan Piotr Gravitational radiation, 25:40319
- LASOTA-DULKOWSKA, Ewa Itaconic and itatartaric acid production by gamma isolates of A. terreus, 23:50449
- LASOUTINE, L. L. Cosmic radiation in the stratosphere obtained at Sogra, USSR, from January 26 to February 23, 1966, 22:31671
- LASOVSKY, J. Phlorein as complexometric indicator for determination of Bi^{3+}, 25:37289
- LASPALLES, C. Localization of particles by a spark chamber, 23:47824
  - Particle focusing for a magnetic analyzer using a spark chamber, 21:8609
- LASRY, Jacques High frequency effects in Josephson junctions, 22:11338 (CEA-Bib-113)
  - Study of injection of plasma into magnetic field of double curvature geometry, 22:3038 (CEA-R-3278)
- LASS, J. L. Nuclear reactor fuel bundle, 23:9267
- LASS, James L. Nuclear fuel element, 23:49675
  - Nuclear reactor fuel bundle, 22:3959
  - Nuclear reactor fuel bundle, 23:19590
  - Reactor fuel assembly device, 22:20961
- LASS, James Lloyd Device for spacing nuclear reactor fuel elements, 23:40492
  - Nuclear fuel retainer, 25:60246
  - Nuclear fuel-element, 24:11331
  - Nuclear reactor fuel bundle, 24:26785
  - Nuclear reactor fuel rod spacer, 25:23416
  - Nuclear reactor fuel, 24:39639
  - Reactor core, 23:21497

LASSAHN, Gordon Dennis Exciton oscillator strengths in silver chloride, 24:50278 (IS-T-374)
LASSALLE, H. J. Effective integral cross sections of K atoms on Ar atoms and Br molecules, 24:30163
LASSALLE, J. Effective total scattering cross sections of K atoms on bromine molecules, 24:19757
LASSALLE, J. C. Dalitz plot analysis for the X^0 decaying into eta$\pi^+\pi^-$, 23:42655
  Measurement of spark chamber film at CERN using the HPD I, 21:41241
  X^0 production in π^-p interactions, 22:17876
LASSALLE, J.-C. Developments in the evaluation of magnetic field spark chamber pictures, 23:33509 (ANL-7515, pp 328-43)
LASSALLE, J-C. Pattern recognition methods for Omega and SFM spark chamber experiments, 25:13283 (CERN-70-21(Vol.2), pp 831-50)
LASSEN, Hans Effect of hydrogen—deuterium substitution on the association of N-methylacetamide, 25:2174
LASSEN, L. Lifetime of the 3.46-MeV state of ^{41}Sc by proximity scattering measurements, 21:21502
  Proximity scattering in the sequential decay ^{40}Ca(d,n)^{41}Sc*, $_{44}$(p)^{40}Ca, 23:3982
LASSEN, N. Bronchospirometry of ^{133}Xe radiospirometry in study of regional lung function, 22:25775
LASSEN, N. A. Blood flow studied by freely diffusible radioactive indicators, 22:25946
  Capillary permeability in human skeletal muscle measured by local injection of ^{51}Cr-EDTA and ^{133}Xe, 24:41730
  Evaluation of arterial insufficiency of the legs, 25:11139
LASSEN, N. O. Half-life of ^{208}Tl(ThC"), 22:20591
  Multiple scattering of α particles, 22:27039
  Multiple scattering of α particles, 22:27269
  String effect with 5 MeV protons and 20 MeV alpha particles on Bi, 21:42624
LASSEN, Niels A. Intra-arterial methods for measurement of regional cerebral blood flow in man, 25:32475
LASSERE, P. Magnetic detection of Hall currents, 22:5432
LASSERRE, Armand Specimen thinning by ion bombardment at 1 MeV, 21:39663
LASSETTRE, E. N. Inelastic scattering of high-energy electrons by atmospheric gases, 24:35201
LASSETTRE, Edwin N. Electron collision cross sections for two forbidden transitions in N_2, 25:996
  Electron-impact spectra between 33 and 100 eV and scattering angles to 16°, 22:43881
  Electron-impact spectrum of mercury vapor, 23:32160
  Excitation by electron impact of vibrational transitions in water and carbon dioxide at kinetic energies between 30 and 60 eV, 23:10443
  Forbidden vibrational transitions in the electron-impact spectra of molecular O and N, 23:1193
  Generalized oscillator strength for $1^1S \rightarrow 2^1P$ transition of He, 23:20686
  New selection rule illustrated by collision cross section studies on transitions in C monoxide, 25:52683
  Oscillator strength of $1^1S \rightarrow 2^1P$ transition in He, 24:25983
  Selection rules for excitation by electron impact, 25:997
  Singlet—triplet transitions in the electron impact spectrum of N_2, 21:31223
LASSEUR, C. Measurement of decay products of Rn, 25:23793
LASSEUR, Claude Measurement of decay products of radon, 24:43966
  Mechanical and electrical properties of aerosols: application to health physics, 25:11036 (CEA-Bib-185)
  Radionuclide determination by successive short sampling method, 25:367 (CEA-R-4048)
  Sampling particles in a gas, 24:43965
LASSEY, K. R. Density and momentum dependent delta function forces, 25:53681
LASSILA, K. E. Charge form factor and vacuum polarization corrections to μ^--capture rate in ^{3}He, 22:20201
  Double-pole fit to A_2(1300) mass spectra, 23:8799
  Gauge invariance and Regge-pole theory in Compton scattering, 24:8586
  Implications of double-pole character of A_2 meson, 21:42347
  Lorentz invariance in Reggeization of pion photoproduction amplitudes, 22:39336
  Mass structure of the A_2-meson, 25:17482
  Pion electro- and photoproduction in Regge theory, 23:46648
  Pion instability in nucleon—nucleon scattering, 21:37851
  Polarization in $\pi^-p \rightarrow$ etan, the double-pole A_2, and a possible pion conspirator, 22:50398
  Pomeranchuk-pole exchange contribution to forward photon processes, 23:44629
  Production dependence of the A_2(1300) mass distribution, 24:37763
  Resonant particle mass structure due to a second order pole, 23:1633 (IS-1948)
  Structure in rho-meson mass, 25:17494
LASSILA, Kenneth E. Gauge condition in helicity formalism, 25:22729
LASSITER, S. Effect of iodination of antifibrinogen antibodies with respect to precipitating and absorption activities, 22:19287
LASSMAN, G. ESR detection of V/sub K/ centre in x-irradiated sarcosine hydrochloride, 24:33727
  ESR studies of x-irradiated single crystals of N-benzoylalanine, 25:26292
LASSMANN, G. ESR studies of free radicals formed in tritium-labeled amino acids and dicarboxylic acids by self-radiolysis, 21:23952
  ESR studies of free radicals formed by autoradiolysis of radioactive labelled organic compounds, 22:30641
  ESR studies on radical structure in irradiated L-leucine hydrochloride, 22:45096
  ESR studies on x-irradiated salts of leucine. III, 23:43358
  ESR-studies on x-irradiated salts of leucine. II, 23:21762
  Formation and conversion of primary radicals in trichlorphon irradiated at 77°K, 24:4327
  Formation of radicals in irradiated single crystals of sarcosine.HCl studies by ESR, 25:29152
  Influence of hydrogen bonds on the stabilization of radiation-induced radicals in oxalic acid and oxalates, 25:23632
  Radical formation in x-irradiated tin-organic compounds, 23:7552
  Radioinduced free radicals in phosphoorganic compounds, radical yields, and radical kinetics in phosphonic acid esters of trichlorphon type after x irradiation, 23:2319
  Structure of free radicals in trichlorphon x-irradiated at room temperature, 24:4326
LASSNER, E. Determination of O, H, and N in high-melting metals. IV, 24:46186
  Determination of O, H, and N in high-melting metals. VI, 25:54426
  Determination of O, N, and H in high-melting metals, 24:4211
  Determination of O, water, and N in refractory metals. V, 25:4022
  Diffusion of silicon in molybdenum, 22:49762
  Molybdenum(VI) hydroxylamine complexes. IV, 23:21649
  Reproducibility of gas determination in metals, 24:4213
  Use of x-ray fluorescence in trace analysis. III, 23:15783
LASSNER, Erik Determination of carbon traces in refractory metals, 25:15489
LASSNER, G. Faithful representations of algebras of test functions, 22:7548 (JINR-E2-3583)
  Positive functionals on algebras of test functions for quantum fields, 21:37907 (JINR-E2-3347)
  Positive functionals on algebras of test functions for quantum fields, 22:35098
  Positive functionals on the algebra of test functions, 25:30944
LASSNER, Gerd Initial boundary value problem in magnetohydrodynamics, 23:32221
LASSOCINSKA, Aleksandra Ultraviolet and x-radiation effects on aqueous solutions of sodium peroxymolybdate, 21:14270
LASSOTA, Z. Intestinal damage and water imbalance in gamma-irradiated larvae of Bombyx mori, 21:3436
LASSOTA, Zofia Nucleic acids in normal and γ-rays irradiated eggs of B. mori, 22:28373
LAST, G. A. Analytical methods to design and predict performance of fast reactor fuel elements, 25:39251 (A/CONF.49/P-838)
  ATR gas loop operation and maintenance, 22:12472 (BNWL-473, pp 8.1-4)
  Evaluation of PuO_2 homogeneity in PuO_2—UO_2 fast reactor fuel, 25:4876
  Evaluation of PuO_2 homogeneity in PuO_2—UO_2 fast reactor fuel by scanning electron microprobe, 25:11489 (WHAN-FR-20)
  Evaluation of PuO_2 homogeneity in PuO_2—UO_2 fast reactor fuel by scanning electron microprobe, 25:18140 (WHAN-SA-7)
  Metallic fuels, 22:12999 (BNWL-473, pp 9.1-18)
  Potential of advanced fuels for a fast test reactor, 21:38698
LAST, George A. Formation of submicron uranium carbide particles in metallic uranium, 21:43653
LAST, J. R. Tennis ball seam coil for plasma physics research, 22:11413
  Tests on absorber rods control mechanism, 24:38499 (DP-Report-90)
LASTER, H. Biological effects of cosmic rays from nearby supernovae, 22:38824 (N-68-19937)
LASTER, Howard Cosmic rays from nearby supernovae: biological effects, 22:34307
LASTKOV, O. A. Natural radioactivity and solubility of silicon dusts, 22:12356
LASTOCHKIN, R. R. Influence of carbon on Mo ductility, 25:29863
LASTOCHKIN, Yu. A. Magnetic characteristics of deflecting magnet and quadrupole lenses for beam forming in the proton synchrotron, 23:32864 (IFVE-OP-68-62)
LASTOVESKIY, R. P. Investigation of europium complexes with some β-diketones, 24:5649 (UCRL-Trans-10409)
LASTOVICKA, J. X-ray control of the ionospheric absorption of hf radio waves, 25:13897
LASTOVSKAYA, T. G. Function of mitochondria of liver of irradiated rats, 22:19378
LASTOVSKII, R. P. Hydroxystilbenecomplexone as luminescent reagent for Sc, 24:31233
LASUK, S. R. Radiation safety technician training course, 21:28426 (ANL-7291)
LASURTEGUI, Alfonso de los Santos Spanish nuclear legislation, 21:34142
LASZLO, Arthur Martin Prognostic symptoms and signs in Hodgkins disease and their significance for radiotherapy, 21:20278
LASZLO, Gyozo Effect of the extirpation of the suprarenal gland on the salt and water metabolism of the rats irradiated with lethal dose, 21:34780
LASZLO, Ingrid Prognostic symptoms and signs in Hodgkins disease and their significance for radiotherapy, 21:20278
LASZLO, M. Kovacs Two-group calculational methods for heterogeneous uranium—water systems, 24:20635
LASZLO, Pal Diagnostic evaluation of 10 years' material of patients with pulmonary tumor, 21:34716
LASZLO, Pierre Secondary isotopic effect of deuterium, 21:1357
LASZLO, Sajti Magnetic perturbations caused by nuclear explosions, 21:41934
LASZLO, T. S. Thoria single crystals grown by vapor deposition in a solar furnace, 21:13244
LASZLO, Tibor S. Thoria single crystals grown by vapor deposition in a solar furnace, 21:16637
LASZMANN, K. Phonon emission by quasi-particle decay in superconducting tunnel junctions, 24:26130
LASZTITY, A. Collection of traces of metals on carboxy cellulose cation-exchanger, 23:19844
LASZTITY, R. Effect of gamma irradiation on some chemical and physical properties of gluten proteins, 25:29103
  Influence of gamma irradiation on some physical and chemical properties of gluten proteins, 25:26656
LATAILLADE, F. Chemical diffusion in epsilon phase of Pu—Cu system, 25:11387
  Contribution to the study of the plutonium—copper diagram, 25:52381
LATAL, H. G. Flux compression theories, 25:45176
  IIT flux compression facility, 22:21260
LATAL, Heimo G. Theory of the Cnare effect, 21:22074
LATANISION, R. M. Stress corrosion cracking of iron—nickel—chromium alloys, 22:21687 (COO-1319-61)
LATARJET, R. Effect of radiation on the functions of carcinogenic viruses, 24:34241
  Inactivation by uv, x and γ radiations, of infecting and transforming capacities of polyoma virus, 22:21640
  Inactivation of the scrapie agent by near monochromatic ultraviolet light, 25:8805
  Irradiation of oncogenic viruses, 25:27111
LATARJET, Raymond Actions of radiation on host-virus oncogenic interaction. I, 23:45972
  Actions of radiations on host-virus oncogenic interaction. II, 24:2587
  Inactivation of gross leukemia virus by uv, x, and γ-radiation, 24:51112
  Interference in mouse leukemia, 21:16503
  Interference in mouse leukemia: results and prospects, 22:21458
  Irradiation of ribosomes by ultraviolet: action spectrum of inactivation of synthesis function, 24:50763
  Leukemogenesis in AkR mice superinfected in adulthood with gross virus, 22:49651
  Treatment of lethally irradiated humans, 23:45792
  Ultraviolet irradiation of ribosomes, 24:48393 (ANL-Trans-844)
LATEGAN, P. M. Photoreactivation in uv-irradiated spores of B. stearothermophilus, 22:47643
LATEK, S. Experimental methods developed at Swierk applicable to the physics of fast reactors, 23:52323 (JPRS-48331, pp 258-68)
  Investigation of light water moderated lattice, 24:18735
  Material buckling measurements in ANNA, 22:37543
LATEK, Stanislaw Multiplication method of negative reactivity measurements, 23:11343
  Reactor noise analysis by analogue computer techniques, 23:2113
  Resonance integral measurement by pile oscillator method, 22:50603
LAT'EV, L. N. Spectral emissivity of tantalum, 25:55495
LATHAM, A. Autoradiolysis by Auger electrons and Szilard—Chalmers reaction, 23:49834
LATHAM, A. S. Photometric and spectroscopic observations of infrared stars, 24:27949
LATHAM, C. Compact 70MW, 250kV modulator using thyratrons, 21:38027
LATHAM, D. W. Implications about resonance parameters in ^{186}W from Doppler measurements, 21:38310
  Measurements of resonance integral and Doppler effect in ^{186}W, 22:7693 (NAA-SR-12500)
  Model atmospheres for late-type stars, 22:24000
LATHAM, F. G. Acoustic emission from steel pressure vessels, 24:33853 (TRG-Report-1983)
LATHAM, Kenyon S. Jr. Base-catalyzed cleavage of silicon—oxygen bond, 21:40853
LATHAM, Kenyon Stuart Jr. Transition state of base-catalyzed silicon—oxygen bond cleavage, 22:27724
LATHAM, R. Polytron: a toroidal discharge with pulsed magnetic cusps, 23:32397
LATHAM, R. E. Evaluation of metal seal criteria for spent fuel cask closures, 25:48844 (CONF-710801-(Vol.2), pp 615-33)
LATHAM, T. S. Neutron kinetics of the nuclear light-bulb gaseous-core rocket, 24:7250
  Nuclear criticality studies of specific nuclear light bulb and open-cycle gaseous nuclear rocket engines, 22:35571 (N-68-10931)
LATHAM, Thomas S. Analytical studies of in-reactor tests of a nuclear light bulb unit cell, 25:23366 (N-71-10373)
  Analytical studies of startup and dynamic response characteristics of the nuclear light bulb engine, 25:23368 (N-71-10404)
  Criticality studies of a nuclear light bulb engine, 24:4105
  Nuclear characteristics of large reflector-moderated gaseous-fueled cavity reactors containing hot hydrogen, 21:27792
  Nuclear light bulb start-up conditions and engine dynamics, 24:16258 (N-70-12223)
  Nuclear studies of the nuclear light bulb rocket engine, 23:43173 (N-69-23451)
LATHAM, W. D. Operative treatment for post-radiation defects of chest wall, 21:24505
LATHROP, J. Cosmic ray neutrino experiment, 25:7195 (UCI-10-P-19-38)
  Cosmic-ray muon intensity deep underground versus depth, 24:37288
  High energy neutrinos underground, 23:46599 (UCI-10-P-19-11)
  Two-body final states of K^-p interactions at 1.33 GeV/c, 22:37083
LATHROP, K. Numerical solution of the Boltzmann transport equation, 22:24796
  Retention and excretory routes of selenomethionine, 25:6630
LATHROP, K. A. Comparison of ^{67}Ga, /sup 99m/Tc, and /sup 113m/In used with γ camera and 3-inch and 5-inch scanners for visualization of lesions in the brain, kidney, liver, and lung, 23:6488 (ACRH-1000-82)

- Human total-body retention and excretory routes of ^{75}Se from selenomethionine, 23:29309 (ACRH-30, pp 49-57)
- Rapid brain scanning with /sup 99m/Tc, 21:26548

- LATHROP, K. D. Bibliography on neutral particle transport theory, 24:49227 (LA-4287)
  - Biorthogonal angular polynomial expansions of Boltzmann transport equation, 21:11927 (LA-3617)
  - Biorthogonal angular polynomial expansions of the two dimensional transport equation, 21:27504 (LA-DC-8478)
  - Biorthogonal angular polynomial expansions of the two-dimensional transport equation, 21:38172
  - Biorthogonal angular polynomial expansion of the two-dimensional transport equation, 22:24800
  - Calculation of highly forward peaked neutron angular fluxes, 23:8642
  - Discrete ordinates treatment of induced scattering, 25:33392 (LA-4646)
  - Elimination of ray effects by converting discrete ordinate equations to spherical harmonic-like equations, 25:57151 (CONF-710302-(Vol.2), pp 577-607)
  - Extrapolated endpoint for the Milne problem, 21:40364
  - New spatial difference equations for two-dimensional transport, 23:4432
  - Numerical solution of Boltzmann integral equation: multigroup benchmark calculation, 22:39887
  - Properties of new numerical approximations to the transport equation, 25:59113
  - Ray effects in discrete ordinates equations, 22:32476
  - Remedies for ray effects, 25:49966
  - S/sub n/ method, 24:32875
  - Spatial differencing of the transport equation, 24:10650
  - Spatial differencing of transport equation: positivity vs. accuracy, 24:8809 (ORO-3858-1, pp 221-58)
  - Theory and use of general-geometry TWOTRAN program, 24:33485 (LA-4432)
  - TRANZIT: a program for multigroup time-dependent transport in (rho,z) cylindrical geometry, 25:17256 (LA-4575)
  - Truncation error analysis of finite difference approximations to the transport equation, 24:33523
  - Truncation error analysis of finite difference approximations to the transport equation, 24:45307
  - Two-dimensional air transport calculations, 25:56261 (LA-4774)
  - TWOTRAN SPHERE: FORTRAN program to solve multigroup transport equation in two-dimensional spherical geometry, 25:14866 (LA-4567)
- LATHROP, Katherine A. Preparation and control of /sup 99m/ radiopharmaceuticals, 24:50657 (ACRH-1000-212)
- LATHROP, Kaye D. User's guide for TWOTRAN (x,y) program, 23:19119 (LA-4058)
- LATHROP, Wayne Study of 280-mm gun as a tool for upper atmospheric research, 21:8180 (SC-RR-66-149)
- LATIES, George G. Dual mechanisms of ion absorption in relation to long distance transport in plants, 21:6431
- LATIMER, C. J. Dissociation and charge transfer in 1.4- to 46-keV H_2^+—H_2 collisions, 24:3170
  - Electron loss from fast metastable and ground-state helium atoms in passage through gaseous targets, 24:45042
  - Formation of metastable He atoms during passage of fast He^+ ions through gases, 25:52651
  - Fragmentation of molecular gases by 5 to 45 keV He^+ ions, 23:34285
  - Ionization and dissociation of molecular gases by 5- to 45- kev helium atoms, 24:32651
- LATIMER, I. D. Burial of 60 keV deuterium ions in stainless steel and titanium, 21:6994
  - Ranges of 5 to 80-keV deuterium ions in Au and Al, 22:26221
  - Refinements in He line ratio technique for electron temperature measurement, 24:30317
  - Simultaneous excitation and ionization of Ar by electrons to upper laser states of Ar^+, 24:28098
- LATIMER, J. N. Handbook of analytical procedures, 24:20687 (RMO-3008)
- LATIMER, R. M. Extraction of Cm and Es by dibutyl,N,N,diethyl carbamyl phosphonate from mineral acids, 24:48151
  - Extraction of transplutonium elements by di-2-ethylhexylphosphoric acid. I, 24:48165
  - Resolution concept for separation of curium from californium by ion-exchange chromatography, 24:27210
  - Solution absorption spectrum of Cf^{3+}, 21:4506
  - Variables affecting ion exchange for interactinide separations, 21:40967
- LATIMER, Robert M. Wind data summary, Lawrence Radiation Lab., Berkeley, 25:26132 (UCRL-20224)
- LATIMER, T. W. Compatibility of (U,Pu) carbides with selected commercial austenitic alloys, 22:31458
  - Compatibility of (U,Pu) carbides with potential jacketing materials, 23:10245
  - Compatibility of carbide fuels with potential LMFBR claddings, 24:6247
  - Compatibility of stabilized hypostoichiometric (U,Pu)C fuels with stainless steel, 21:38488
  - Irradiation behavior of sodium-bonded (U,Pu)C fuel pins, 25:32859
  - Performance in EBR-II of carbide fuel elements, 23:36283
  - Postirradiation observations of sodium-bonded (U,Pu)C fuels, 25:4894
- LATIMER, Trent W. Compatibility of V alloys with (U,Pu) carbides, 23:4232
- LATIMORE, Margaret C. Kinetic deuterium isotope criterion for concertedness, 25:51457
- LATINO, Michael A. Photochemistry of flavins in pyridine and with a donor, 21:25835
- LATKOVIC, I. Kinetics of ^{47}Ca in man, 24:23087
- LATNER, Norman Determining the "state of charge" of nickel—cadmium batteries by farad capacitance measurements, 23:18473 (HASL-198)
- LATOSH, N. I. Effects of chelating agents on the behavior of ^{59}Fe, ^{65}Zn, ^{89}Sr, ^{91}Y, and ^{144}Ce in the body, 25:32448
  - Effects of chelating agents on the behavior of ^{144}Ce in the body, 25:32449
- LATOUR, Jean Envelope models for A type-stars, 25:9019
- LATOURETTE, Howard B. Comparison study of laryngography techniques, 21:32724
  - Induction of lymphoma and leukemia by diagnostic and therapeutic irradiation, 22:49590
  - Management of recurrent carcinoma of the cervix, 23:38835
  - Prophylactic use of radioactive gold in the treatment of primary ovarian cancer, 21:8858
  - Radiation therapy, 23:43832
  - Year book of radiology, 1969, 23:43815
- LATROUS, Habib Preparation of deuterium-containing Pd and Ti targets for neutron generation, 22:11746 (CEA-R-3065)
- LATSHAW, G. L. Inverse photonuclear process in ^{16}O, 21:46680
  - Reactions $^{12}C(\alpha,n)^{15}O$ and $^{12}C(\alpha,p)^{15}N$, 22:44629
  - T = 2 levels in ^{20}Ne, ^{24}Mg, and ^{32}S, 23:46957
- LATSIS, R. V. Radiosensitivity and content of SH groups in early embryogenesis of loach, 25:24318
- LATSKO, E. M. Investigation of plasmoids moving in a toroidal magnetic field, 21:3874
  - Investigation of the caputre of plasma in a closed trap, 21:44023
  - Measurement of plasma polarization in a closed magnetic system, 21:29272
- LATTA, R. E. Continuously recording strain gauge thermobalance, 21:45476
  - Determination of solidus-liquidus temperatures in the UO/sub 2+x/ system (-0.50 < x < 0.20), 25:27292 (GEMP-714)
  - Determination of the melting point of UO_2/sub + x/ (-0.25 less than or equal to x less than or equal to 0), 21:24831 (CONF-651101-89)
  - Melting point and phase transformation of beryllium oxide, 24:25779 (GEMP-736)
  - Melting point and phase transformation of beryllium oxide, 24:42251
  - Melting point of pure zirconia, 24:25778 (GEMP-735)
  - Melting point of pure zirconia, 24:42252
  - Solidus and liquidus temperatures in UO_2—ThO_2 system, 24:27870 (GEMP-734)
  - Solidus and liquidus temperatures in UO_2—ThO_2 system, 24:42250
  - Solidus—liquidus temperatures in UO/sub 2 + x/ system, 24:25790
  - Vapor pressure of hypostoichiometric urania as a function of composition, 21:31081 (GEMP-528)
  - Vapor pressure of hypostoichiometric urania as a function of composition, 22:31459
- LATTAR, F. S. Effects of ^{60}Co gamma rays on respiration rate, loss in weight, and appearance of green and ripe shamouti orange fruits, 21:28672
  - White sporeless mutant of Penicillium digitatum obtained after irradiation, 21:28690
- LATTER, B. D. H. Canalization of scutellar bristles, 23:16265
- LATTER, G. Theory identification for mechanical behavior of polystyrene bead foams, 25:19293 (UCRL-50952)
- LATTER, Richard Atomic energy levels for Thomas—Fermi and Thomas—Fermi—Dirac potential, 21:16784 (RM-1416-AEC)
- LATTER, Terence David Thomas Improvements in and relating to the measurement of coating thickness, 25:35078
  - Inspection and/or measuring apparatus using radiation, 25:35041
- LATTERELL, Richard L. Oxygen effect and radiosensitivity during seed germination, 21:20126
- LATTERY, J. E. Crater studies: surface motion, Project PRE-GONDOLA I, 23:17637 (PNE-1107(Pt.2))
  - Project Pre-Gondola III, Phase I summary report, 24:46380 (PNE-1114)
  - Project pre-Gondola III, phase II summary report, 25:26408 (PNE-1117)
  - Surface motion measurements: Project Pre-SCHOONER, 23:11682 (PNE-506-F)
- LATTES, Maria Grazia Uptake of ^{45}Ca in Bufo bufo larvae having no endolymphatic sacs, 21:16280
- LATTES, Robert Methods of resolution of some boundary problems in mathematical physics, 22:46293
- LATTET, J. Detecting the presence of fuel rods, 25:26080
- LATTIMER, John M. Estuarine radioecology, 24:39458 (NP-18215)
- LATTUADA, Angelo Distribution of stray radiation in a radiodiagnosis room, 21:22457
  - Postirradiation bone lesions in patients, 22:2554
- LATWESEN, Gary Lee Separation of tin from other elements by reversed-phase chromatography, 21:1417 (IS-T-116)
- LATYPOV, T. Gamma radiation effects on grafting of methyl methacrylate to poly(vinyl fluoride), 24:33739
  - Grafting of methyl methacrylate to butyl rubber under the influence of gamma radiation, 21:114
  - Radiochemical transformations of poly(vinyl fluoride), 24:33735
- LATYPOV, Z. Z. Exothermal capture processes with ionization produced in collisions between He^{2+} ions and inert gas atoms, 23:39336
  - He^+ and He^{2+} ion formation cross sections in He^{2+}—He collisions, 24:12649
  - Interference effect in cross section for charge exchange of Li^+ ions with He atoms, 25:55844
  - Ionization of Kr^+ ions by means of electron impact, 23:12591
  - Oscillation of charge exchange cross sections in Na^+—Ne system, 25:987
  - Resonant charge exchange in He^+—He system, 24:28076
  - Symmetric resonance charge exchange of multicharged ions, 22:50039
- LATYPOVA, I. M. Oxidation of beryllium—platinum alloys, 25:37928
- LATYPOVA, R. A. Angular and energy dependance of effective cross section for photo production of mesons π^+ on protons, 23:30693 (CERN-Trans-68-18)
  - Angular dependence of the cross section for photoproduction of charged pions on nucleons, 21:44249
  - Approximation for angular and energy dependence of π^+-photoproduction cross sections on protons in the near-threshold energy region, 22:39342
  - Calculations of nucleon intranuclear cascades by the method of statistical sampling, 23:34616
- LATYPOVA, R. Kh. Equation for an electrostatic field generated in the dynamo region of the ionosphere, 22:38950
  - Two quasi-circular zones of maximum magnetic activity, 21:5167
- LATYSHEV, A. V. Negative differential resistance of high-purity germanium irradiated with fast neutrons, 25:45543
- LATYSHEV, G. D. Conversion electron spectrum of an iridium fraction, 21:25552
- LATYSHEV, I. N. Empirical study of the pulsations of the upper layers of cepheids, 25:43026
  - Local star streams. I, 22:52448
  - Masses of Cepheids, 25:47214
  - Period—luminosity relation for classical Cepheids, 24:46835
  - Period—radius relation for classical cepheids, 23:3184
  - Star streams in the solar neighborhood, 25:43027
  - Studies of local star streams. II, 24:30105
- LATYSHEV, L. A. Determination of parameters of nonequilibrium plasma in a restricted volume allowing for step-wise ionization, 25:59034
- LATYSHEV, N. N. Initial stage of self-inversion of spectral lines, 21:31410
- LATYSHEV, Vladislav Konstantinovich Radioisotope instruments in metallurgy, 22:36050
- LATYSHEVA, E. I. Isotopic effect of oxygen in $H_2O_2^*$ synthesis from H_2O^* vapor in glowing discharge, 21:3019
- LATYSHEVA, V. A. Raman spectra of perchlorates of Zn, Cd, Hg, and Pb in H_2O and D_2O solutions, 25:44362
- LATYSHEVA, V. I. Constitution diagram of Nb—Al system, 23:38988
  - Critical temperature of superconducting compound Nb_3Al, 25:40561
  - Phase diagram of Nb—Ge system, 23:12355
- LATYSZEW, Mikolaj Polish High-Flux Research Reactor R-II, 22:35617
- LATZ, Joseph L. Nucleation of voids in materials supersaturated with vacancies and interstitials, 25:52927
- LATZER, B. Irradiation apparatus, 23:47671
- LATZER, Beda Shielded apparatus for effecting irradiation of materials, 24:14147
- LATZKO, D. G. Impact of nuclear engineering on developments in structural mechanics, 25:10758
- LATZKO, D. G. H. Deformation of large-diameter, high-pressure vessel flanges, 24:25175
  - Delft Molten Salt Project design summary report, 21:43087 (DMSP-G-8)
  - Intermediate coolant alternatives for the LMFBR, 24:52906
  - Nondestructive testing of power reactor components, 25:29289
  - Safety aspects and future role of engineering inspection of nuclear power reactor components, 25:44136 (CONF-700224-, Paper 1)
  - Surveillance programs of reactor pressure vessels (Netherlands review papers), 25:39142 (IAEA-117, Paper 5a)
- LAU, B. Peck Postirradiation costal osteochondritis simulating metastatic cancer, 22:12910
- LAU, Bong Whan Effective dielectric constant of cylindrical plasma at microwave regions, 25:3087
- LAU, Chau-wa Multiple scattering of electromagnetic waves in an underdense plasma and the radiation transport equation, 25:47586 (UCRL-20689)
- LAU, E. P. K. Determination of nonionic surfactants by atomic absorption spectrophotometry, 23:13627
- LAU, Fred L. Initial radiation survey for PWR Core 2 Seed I, 22:16163 (WAPD-PWR-TE-204)
- LAU, H. S. M. Resonances and exchange in scattering of electrons by helium atoms. II, 22:29189
  - Resonances and exchange in scattering of electrons by helium atoms. I, 22:29188
- LAU, H.-Y. Critical scattering of neutrons from $RbMnF_3$, 24:24167
- LAU, J. P. System for rapid chemical separation and spectroscopic examination of fission gases, 23:677
- LAU, John P. Nculear structure in ^{133} ^{135}Xe and ^{133} ^{135}Cs, 23:7292
- LAU, K. H. Growth and x-ray studies of single crystals of higher oxides of praseodymium and terbium, 25:51467 (CONF-711001-(Vol.1), pp 84-95)
- LAU, K. K. Low-frequency vibrations of molecular solids. X, 25:10529
- LAU, Kam-seng Coated charcoal assay of plasma iron binding capacity, 22:472
- LAU, L. W. Cavitation noise in nuclear reactors, 23:7425
- LAU, M. H. Reduction of the effect of the speed distribution in the cross beam on nonreactive scattering experiments, 23:27367
- LAU, O. W. Deuterium isotope effect in octahedral substitutions. IV, 23:7510
- LAU, P. W. Electron spin resonance of two radicals formed in x-irradiated cyanoacetylurea, another sigma-electron radical of RCONH type, 24:9395
- LAU, S. S. Asymmetric slip in Mo single crystals, 24:44721
  - Dislocation mechanisms in single crystals of tantalum and molybdenum at low temperatures, 21:13168
  - Interstitial impurity effects on the mechanical properties of molybdenum single crystals, 22:47677

LAU, S. Y. Measurement of absorbed dose rate from terrestrial background radiation in Hong Kong, 25:19006
LAU, Silvanus Siu-wai Asymmetric deformations of molybdenum single crystals, 24:44726
LAU, Y. Y. Effects of cold plasma on relativistic electron layer, 25:27746
LAUB, Donald R. Effect of laser radiation on dermal tattoo pigment in man, 22:10691
  Histopathological observation of Q-switched ruby laser radiation on dermal tattoo pigment in man, 22:47604
LAUB, J. Delay of the maximum in isotope renograms, 23:48097
LAUBACH, G. E. Aerospace research and development in US. IV, 24:2403
LAUBACH, J. E. Defect structure of nonstoichiometric CeO/sub 2-x/, 22:757 (COO-1441-4)
LAUBE, B. Ground-state electromagnetic widths of 6.32-MeV level in ^{15}N, 22:22557
LAUBE, E. Investigation of high-melting systems, 24:23522 (UCRL-Trans-10448)
LAUBEN, G. N. Characterization of source terms for aerosol transport during sodium fires, 21:31909 (CONF-660904-Vol.1 and 2, pp 28-48)
LAUBER, A. Accuracy of compensation in Li drifted Ge detectors, 24:29525
  Efficiencies for circular detector viewing a circular radiator of finite thickness, 21:39174 (AE-292)
  Miniaturized needle-type semiconductor detectors for in-vivo measurements of tracer activity, 25:57744
  Special cryostats for lithium compensated germanium detectors, 22:38057 (AE-320)
  Theory of compensation in lithium drifted semiconductor detectors, 24:4439
LAUBER, Alexander Investigation into some properties and applications of semiconductor nuclear radiation detectors, 25:55000 (NP-19008)
  Semiconductors for radiation measurement, 22:43043
LAUBEREAU, P. Magnetic susceptibility studies of two organometallic Np(IV) complexes, 23:35085
  Nuclear magnetic resonance shifts of paramagnetic organometallic actinide complexes. II, 23:24154
  Proton magnetic resonance studies of paramagnetic 4f and 5f systems containing the cyclopentadienyl ligand, 23:26256
  Radiochemical preparation of tricyclopentadienyl-promethium, 21:42999
LAUBEREAU, P. G. Formation of dicyclopentadienyl berkelium chloride, 24:46229
  Tricyclopentadienyl complexes of Pm, Cm, Bk, and Cf, 25:66 (CONF-700403-(Vol.1), pp 258-65)
  Tricyclopentadienylcurium, 24:16506
LAUBERT, R. Channeling studies through characteristic radiations, 22:22201 (NYO-2962-6, pp 36-53)
  Channeling studies through characteristic radiations, 22:26474
  Pauli excitation of neon atoms during collisions, 22:21843 (NYO-2962-6, pp 20-9)
  Stopping power, 22:21844 (NYO-2962-6, pp 30-5)
  Unified sputtering theory, 21:11423
  Z_1 dependence of K-shell x-ray production by heavy charged particles, 25:24854
LAUBERT, Roman Ionization of the Al K shell by low-energy H and He ions, 23:12551
  Pauli excitation of atoms in collision, 24:35192
  Pauli excitation of atoms in collision, 25:27453
  Performance and modifications of a 200-keV heavy ion accelerator facility, 23:27961
  Projectile charge dependence of K-shell ionization by swift light nuclei, 25:49710
  X-ray production in Mg, Al, and Cu by low-energy H and He ions, 21:2040
LAUBITZ, M. J. Thermoluminescence of alumina, 22:4885
LAUBUGE, Robert Method of determining isotope content of U, 23:33158
LAUBY, J. H. Critical experiments with PuO_2—UO_2 fuel and D_2O moderator, 21:8069
  Critical experiments with the UO_2—2 wt percent PuO_2 batch core in the PRTR, 21:38533
  Critical experiments with the UO_2—2 wt. percent PuO_2 batch core in the PRTR, 25:34327 (BNWL-1553)
  Measured and calculated effective delayed-neutron fraction/prompt-neutron lifetime for some uniform H_2O lattices, 24:7238
  Reactor kinetic parameters of lattices of plutonium and uranium in water, 25:23413
LAUCH, J. Charge-sensitive amplifier, 23:11802
  Multichannel differential-discriminator with stable time information, 23:43630
  Nuclear electronics: a medium-fast linear stretcher, 21:28323
  Nuclear electronics: a versatile delay-gate generator without recovery-time, 21:45461
LAUCHE, Hans Observations of ionospheric phenomena during geomagnetic storm 10/31—11/2/68, 25:1077
LAUCHLI, A. Measurement of β-emitters in plant material with Cherenkov radiation, 24:7706
LAUD, K. R. Subsolidus relations in the system ZrO_2—ThO_2—P_2O_5, 25:55638
  System ThO_2—P_2O_5, 25:40127
LAUDANI, H. Use of gamma irradiation in the control of stored-products insects, 21:28711
LAUDANI, Hamilton Gamma irradiation in control of stored-products insects, 23:26982
LAUDAT, Ph. Lymphocyte circulation in chronic lymphatic leukaemia studied by labelling methods, 23:45619
LAUDAT, Philippe Effects of ultraviolet radiation on lipases of adipose tissues in the rat, 22:19260
  Inhibition of lipolysis and lipogenesis by ultraviolet radiation of adipose cells of the rat, 22:21441
LAUDENZI, C. Chronobiodosimetrical evaluation of radiosensitivity of crystalline lens and retina, 21:16388
LAUDER, I. Racemization and ^{18}O exchange studies of heterochelate Cr(III) complexes. II, 25:34601
LAUDGREBE, A. R. Distribution of 70-kV Pr ions in Fe foil and a technique for removing thin layers of Fe, 24:24993
LAUDI, O. X-ray image intensifier tubes using rare earth oxysulfide phosphors, 24:39243
LAUDIERI, P. C. Fast-electron—ion coincidence measurements of the argon atom—ion collision, 24:26007
  Fast-electron—slow-electron coincidence study of violent Ar^+—Ar collisions, 25:30288
LAUDISE, R. A. Growth of single crystals of Ta_2C, 25:11484
LAUE, H. Infinities in the statistical theory of radiative processes in plasmas, 23:44440
LAUE, H. J. Basis, status, and program of German fast breeder pin development, 24:41013 (TRG-Report-1911, pp 82-100)
  Cladding development for fast breeder reactors, 21:30208
  Cladding material selection, 22:32772 (KFK-700(Pt. III))
  Development of fuel elements for fast breeder reactors, 22:53273 (EURFNR-472)
  Embrittlement of nickel alloys after neutron irradiation, 23:34045
  Fabrication of fast reactor fuel pins for test irradiations, 21:35574 (EURFNR-314)
  Fast breeder reactors, 25:20708
  In-pile creep behavior of several austenitic steels and Ni alloys under multiaxial load, 24:48862 (KFK-1152)
  In-pile creep rupture behavior of certain austenitic steels and nickel alloys under multiaxial stress, 25:16545 (EURFNR-783)
  Irradiation-induced biaxial creep behavior of fuel-element claddings for fast reactors: experimental and theoretical results, 24:4816 (EURFNR-698)
  Mechanical loading of fuel element cladding, 22:32774 (KFK-700(Pt. VIII))
  Multi-axial in-reactor stress-rupture strength of stainless steels and a nickel-alloy, 23:10236 (EURFNR-566)
  Reactor cooling with alkali metals, 21:34120
  Testing methods for canning material selection, 24:9610 (KFK-985, pp 161-81)
LAUE, Hans Coupling between nuclear and electronic motion in diatomic molecules, 21:29021
LAUER, B. H. Strontium-90 and ^{137}Cs levels in milks of Arctic species, 22:49367
  Strontium-90 and ^{137}Cs levels in tissues of fin whale (Balaenoptera physalus) and harp seal (Pagophilus groenlandicus), 24:34311
LAUER, E. J. Burnout by neutral injection in a torus, 22:19930 (UCID-15298)
  Neutral injection in the superconducting levitron, 22:19972 (UCID-15295)
  Plasma confinement in the Levitron, 23:32336
  Plasma confinement in the levitron, 22:41540 (UCRL-70932)
  Pulsed diverter and guide field for superconducting Levitron, 24:28332 (UCRL-50807)
  Toroidal confinement program, 23:3447 (UCRL-50002-68, pp 164-73)
LAUER, Eugene J. Livermore toroidal confinement program, 21:46308 (UCRL-50002-67, pp 105-26)
LAUER, K. F. Accurate determination of microgram quantities of uranium by direct and differential polarography, 22:27547
  Assay of samples for nuclear measurements by counting and chemical analysis, 25:57345 (CONF-711002-, pp 293-306)
  Determination of dysprosium in the presence of aluminum, 21:34234
  Elution and analysis of residual chloride from anion exchangers, 22:50919
  Equipment for electrospraying, 21:16249
  Measurements of the half-lives of the uranium isotopes, 25:53738 (CONF-701002-, pp 465-9)
  Precise compleximetric titration of U(VI), 21:23839
  Precise determination of U by potential control of coulometry, 21:40769 (EUR-3601.f)
  Preparation of $^{241}PuO_2$ for neutron cross section measurements, 25:35541
  Preparation of precisely defined lithium isotope mixtures, 23:413
  Preparation of uranium layers by high voltage electrophoresis, 22:18046
  Standard foil preparation, 25:52303 (CONF-701002-, pp 488-99)
LAUER, M. High-pressure cycle for CO_2 with supercritical base pressure combined with sodium-cooled fast breeder (Na/CO_2-project), 25:8079 (BMBW-FBK-70-18)
LAUER, R. J. Evaluation of two wood fire and impact shields, 23:572 (CONF-681001-, pp 320-43)
LAUER, R. S. Carminic acid as a reagent for the photometric determination of the rare earth elements, 25:12937
  Extraction-fluorimetric determination of yttrium in lanthanum salts by means of 5,7-dibromohydroxyquinoline, 21:45057
  Lutetium determination in rare earths of Y subgroup, 25:37296
  Mixed complexes of rare earth element ions and their use in analysis, 24:31236
  Mixed polynuclear citrate complexes of neodymium and certain other metals, 23:6130
  Photometric determination of rare earths of Y subgroup, 25:26161
LAUFENBERG, J. F. Mechanical and electrical components, general over-all operation, and expansion studies of the MURA model heavy liquid bubble chamber, 22:12640 (CERN-67-26(Vol.2), pp 513-49)
  Photography, expansion dynamics, optical inhomogeneities of the MURA model heavy liquid chamber, 22:12619 (CERN-67-26(Vol.1), pp 263-93)
LAUFER, J. C. Vibrational exciton density of states in solid benzene, 25:98
LAUFFENBURGER, Ivan Preparation of crystallized polyuranates by alkaline treatments of schoepite UO_3, 2 H_2O, 22:40084
LAUFFHER, R. A. Radioisotope sources and nuclear reactors as energy sources for space vehicles, 21:28173
LAUG, M. T. Xenon tag proof test, 25:6026
LAUGER-HACHE, Michel Electron probe microanalysis of highly radioactive materials, 25:4011 (CEA-N-1340)
  Thermal conductivity installation for irradiated solids, 24:41637 (CEA-N-1303)
LAUGHLIN, A. W. Potassium—Ar dates from Toquepala and Michiquillay, Peru, 21:39034 (COO-689-76, App.A-VI)
  Problem of excess ^{40}Ar in volcanic rocks, 22:6473
  Problem of excess of ^{40}Ar in volcanic rocks, 21:39031 (COO-689-76, App.A-I)
LAUGHLIN, A. William Excess radiogenic Ar in pegmatite minerals from Elba Island, 21:39036 (COO-689-76, App.A-VII)
  Excess radiogenic argon in pegmatite minerals, 24:9517
LAUGHLIN, C. Perturbed generalized eigenvalue equation for the helium atom, 25:9185
LAUGHLIN, J. S. Computer-analyzed counting and scanning, 25:8716
  Computerized implant dosimetry, 22:31087
  Detection of neoplastic bone lesions, 23:35794
  Direct intercomparison of absorbed dose by thermoluminescent dosimetry, 21:26235 (CONF-650637-, pp 363-71)
  Dose distribution computation service, 23:50764
  Dosimetry and biological parameters, 23:50495
  External irradiation on mineral metabolism in the bones of adult dogs, 21:17995
  Initial experience with a 30-in. isochronous cyclotron for medical use, 25:17644
  Kinetics of radionuclides used for bone studies, 24:14542
  Methods and applications of quantitative computer-analyzed scanning, 23:6491 (NYO-910-76(App.1))
  New developments in therapeutic dosimetry, 22:31067
  Quantitative computer-analyzed scanning, 23:33618
  Recovery from sub-lethal x-ray damage of synchronized HeLa cells during inhibition of protein synthesis, 21:20397
  Studies on the biological effectiveness of high-energy electron beams at different depths in tissue-absorbing material, 22:28380
LAUGHLIN, John S. Absorption of high energy electron beams, 22:52490
  Bone scanning for metastatic cancer with radioactive isotopes, 21:8860
  Calorimetric determination of absorbed dose with electrons, 22:51255
  Cellular radiation mechanism studies, 23:11993 (NYO-910-75, pp 26-31)
  Changes in biological effectiveness of a fast neutron beam with depth in tissue-equivalent material, 25:26906
  Computer method for radiation treatment planning, 21:10949
  Cyclotron facility and radionuclide production, 23:12149 (NYO-910-75, pp 46-84)
  Density distribution within patients, 23:45740
  Depth dose data in inhomogeneous media, 22:51693
  Dosimetry of fast neutron beams from a small medical cyclotron, 24:34354
  Electron beams, 25:24280
  Electron-beam therapy of cancer of the breast, 21:39467
  Electron-beam treatment planning, 23:50762
  Exposure of embalmers and physicians by radioactive cadavers, 23:4965
  Extension of the concept of tissue-air ratios (TAR) to high-energy x-ray beams, 24:44512
  Fluorine-18 production for medical use by ^{3}He bombardment of water, 24:31361
  Free radical production in biologically significant compounds, 23:11994 (NYO-910-75, pp 37-46)
  High-energy electron treatment planning and dosimetry, 23:6534
  Inhomogeneous treatment planning, 22:51749
  Isochronous cyclotron installation for radionuclide production, 24:4657
  Metabolic studies in patients with bone and parathyroid disease, 23:12148 (NYO-910-75, pp 10-26)
  Prog. rpt. on biological and clinical dosimetry, 11/66—10/67, 22:375 (NYO-3510-3)
  Prog. rpt. on biological and clinical dosimetry, annual, 7/1/67—6/30/68, 22:45337 (NYO-3510-5)
  Prog. rpt. on biological and clinical dosimetry, 7/1/68—6/30/69, 23:43605 (NYO-3510-10)
  Prog. rpt. on biological and clinical dosimetry, 7/64—6/70, 24:50899 (NYO-3510-16)
  Prog. rpt. on biological and clinical dosimetry, annual, 7/69—6/70, 25:370 (NYO-3510-15)
  Prog. rpt. on biological and clinical dosimetry, annual, 7/70—6/71, 25:55208 (NYO-3510-18)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. IV, 23:1728 (NYO-910-72)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. III, 23:2851 (NYO-910-71)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. I, 23:9833 (NYO-910-69)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. II, 23:9834 (NYO-910-70)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:586 (NYO-910-122)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:758 (NYO-910-123)

Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:4303 (NYO-910-124)
Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:4560 (NYO-910-121)
Prog. rpt. on biophysical studies of radiation, annual, 5/1/66—5/1/67, 22:421 (NYO-910-57)
Prog. rpt. on metabolic studies in cancer with radioactive isotopes, annual, 5/1/66—5/1/67, 22:10781 (NYO-910-59)
Prog. rpt. on radiation mechanisms and radiation lethality, annual, 5/1/66—5/1/67, 22:8436 (NYO-910-58)
Progress in calorimetric dosimetry, 22:38332
Radioactive isotope instrumentation, data analysis, and organ scanning studies, 23:12147 (NYO-910-75, pp 2-10)
Realistic treatment planning, 23:883
Role of the cyclotron in nuclear medicine, 25:4683
Spleen scanning using acid-damaged red cells tagged with ^{51}Cr, 24:44564
Theoretical studies of radiation absorption, 23:12066 (NYO-910-75, pp 31-7)
LAUGHLIN, Robert Off-energy-shell t-matrix elements for local potentials containing hard cores, 22:42108
LAUGHTER, Elmer Light intensification for firing set test fires, 25:46383 (MHSMP-71-11)
LAUGHTON, P. M. Solvent isotope effects for equilibria and reactions, 24:5658
LAUGIER, A. Extensive irradiations in Hodgkin's disease: early reactions, 21:10909
Prevention of digestive radiolesions, 24:2815
Radiotherapy in leukemia, 23:48175
LAUGIER, J. Equilibrium of 4 solid phases in the ternary system U—C—Si, 21:5007
Phase relations between the two varieties of uranium sesquinitride, 23:8326
LAUGIER, J. P. Multiparameter registration system designed for the study of three body reactions by the coincidence method, 23:16206
Reaction ^{10}B(d,α)^{8}Be, 21:33886
Reaction ^{11}B + p $\rightarrow$ 3α at E/sub p/ = 7.18 MeV, 21:23423
Reaction ^{6}Li(^{6}Li, α)2α between 4 MeV and 24 MeV evidence for quasimolecular state ^{6}Li—^{6}Li, 24:22072 (CEA-CONF-1456)
Reaction ^{6}Li(^{6}Li,α)2α, 24:49715
Reaction p + ^{11}B $\rightarrow$ 3α at 1.4 MeV by method of coincidences, 23:15368
LAUGIER, J.-P. Analysis of spectra of α particles in reactions d + ^{7}Li = n + 2α and ^{6}Li + t = n + 2α, 21:25463
LAUGIER, Jean Cross section of ternary diagram U—O—N, 23:20556
Equilibrium diagram for UC—UC$_2$, 24:32510
Existence and nature of the oxynitrides of uranium, 22:33368
Nature of hexagonal silicide of uranium USi$_3$ and existence of new ternary compound U$_4$Si$_{11}$O, 22:12312
Physical metallurgy: section of ternary diagram U—O—N by plane UO$_2$—U$_2$N$_3$, 24:2946 (UCRL-Trans-10385)
LAUGIER, Jean-Philippe Reaction p + ^{11}B = 3α by coincidence method, 23:25811 (CEA-R-3670)
LAUHATIRANANDA, P. Radiation effects on cobra venom, 24:50729
LAUHATIRANANDA, Prasit Radiation effects on cobra venom, 22:43204 (CONF-680517-1)
LAUKANT, E. Use of radiation sensitive materials on high power accelerators, 25:50459
LAUKEVITS, Ya. Ya. Production by radiation methods of self-shrinking polyethylene films, 22:33381
LAUL, J. C. Abundance of 14 trace elements in lunar rock 12013, 10, 25:959
Activation analysis technique for determining trace elements in rocks and chondrites, 24:31265
Bismuth contents of chondrites, 24:15000
Measurement of seventeen trace elements in eight geochemical standards, 24:152
Oxidation of ferrous sulphamate in nitric acid solutions, 23:380
Ranges of fission fragments from neutron-induced fission of ^{241}Am, 23:1891
Thallium contents of chondrites, 24:46820
Trace activation analysis of element groups with computer reduction of Ge(Li) spectra, 23:31310
Trace elements and radioactivity in lunar rocks, 24:21528
LAULAINEN, N. S. Spin and nuclear moments of ^{63}Zn ground state, 23:25876
Spin and nuclear moments of 55-min ^{105}Cd and 49-min /sup 111m/Cd, 23:25918
LAULAINEN, Nels Stephen Short-lived nuclei, 23:23667
LAULER, David P. Acromegaly pre- and postpituitary irradiation, 21:28620
LAULETTA, E. Dynamic tests on models of PEC nuclear reactor containment building, 24:11270 (RT/ING-(69)5)
LAULICHT, I. Isotope effects on Franck—Condon factors. VII, 21:19602
LAUMANIS, I. Ya. Experimental observation of electromotive force alongside of an external magnetic field induced by flow of liquid metal (α effect), 22:41422
LAUMANN, R. Determination of anti KNY$_1$* coupling constant, 24:24254
Direct experimental estimate of low energy parameters for $\pi\Lambda$ scattering, 25:45680
Evidence for a $\Lambda\pi$ enhancement near anti KN threshold, 23:1598
Experimental evidence for Y*$_0$(1520) $\rightarrow$ Y*$_1$(1385) + π and configuration mixing, 23:49048
Interaction Λp near ΣN threshold, 22:34845
Kaonic disintegration of deuteron near 400 MeV/c, 22:34862
Study of anti KN $\rightarrow$ Yπ below anti KN threshold and the dynamical nature of the Y$_0$*(1405), 25:40888
Y—N and Y—Y interactions using final-state interactions, 24:47460 (CONF-690557-(Vol.1), pp 92-158)
Yπ partial wave amplitudes below anti KN threshold using anti KD reactions, 25:25321
LAUMBACH, Dallas D. Point explosion in a cold exponential atmosphere, 23:483 (AD-671931)
Point explosion in a cold exponential atmosphere. II, 24:2365 (AD-690894)
Self-similar strong shocks with radiation in a decreasing exponential atmosphere, 24:14103 (AD-696875)
LAUMEN, K. J. Monitoring of operations: radiation protection within the division for research reactors, 24:36745 (JUL-603-ST, pp 143-50)
Radiation protection experiments at construction of research reactor FRJ-1(MERLIN), 23:28556 (JUL-555-RE)
LAUMER, Helmut Production of ^{11}B and ^{10}B by proton spallation of ^{12}C, 23:34723
Production of light elements Li, Be, and B by proton spallation of ^{12}C, 24:24511
LAUN, Philip R. Primary ground displacements and seismic energy near the Gnome explosion, 21:4641
LAUNAY, C. Urinary excretion of serine, threonine, and ethanolamine after γ and neutron irradiation, 24:48394 (CEA-CONF-1559)
LAUNAY, M. Tritium and hydrogeology, 22:18937
LAUNAY, M. P. BUGEY I Nuclear Power Station. Design of the prestressed concrete vessel, 21:14019
LAUNAY, P. Deformation and ultimate strength of concrete under triaxial stresses, 24:36979
Prestressed concrete pressure vessels: computer program, 23:21472
Strain and ultimate strength of concrete under triaxial stress, 25:55660
Study and construction of prestressed concrete vessel of Bugey I Nuclear Power Plant, 24:45837 (ORNL-tr-2356)
Study and construction of the prestressed concrete vessel of the nuclear power Station Bugey I, 24:35940
Technologic limitations of the utilization of prestressed concrete pressure vessels, 24:14871 (EUR-4280(Vol.1), pp 305-39)
Two Bugey $^{1}/_{5}$ models, 25:29310
LAUNAY, P. A. Performance of prestressed concrete reactor vessels, 24:28878
LAUNAY, Pierre Concrete pressure vessel for a reactor, 25:1887
Prestressed concrete pressure vessel, 24:50107
LAUNDY, B. J. Centrifugal sedimentometer for particle size analysis, 23:22107
Particle size by β backscattering, 22:224
LAUNDY, Brian John Russell Apparatus for particle size analysis utilizing beta backscattering, 25:46649
Improvements in particle size analysis, 24:27461
LAUNE, J. Neutron counting and boron determination by detection of de-excitation gamma from the ^{7}Li* nucleus produced by reaction ^{10}B(n,α)^{7}Li*, 23:21668 (NP-tr-1747)
LAUNEY, Walton Sebastian Jr. Inelastic collision processes in glow discharges, 25:22516
LAUNODIS, D. Plasma confinement in the DECA II B circularized magnetic well, 25:58958 (CEA-CONF-1807)
LAUNOIS, D. Bounce effects in the negative mass instability, 25:3117 (CEA-CONF-1598)
Bounce effects in the negative mass instability, 25:30551
Experiments on confinement of a plasma in a circular magnetic well, DECA II B, 25:38360 (CONF-710607-88)
Plasma containment in a circularized quadrupolar magnetic well: DECA II B, 25:3053 (CEA-CONF-1597)
LAUNOIS, M. Precision of neutron measurements in case of bursts of several microseconds, 23:13976 (CEA-CONF-1049)
LAUNSPACH, Jacques Cross-field electron analyzer and its application of a distribution function, 24:24023 (EUR-CEA-FC-539)
LAUPER, S. Experience at CERN of automatic measurement of spark chamber pictures, 23:33507 (ANL-7515, pp 310-16)
LAUPPE, W. Polonium-214 γ-ray spectrum with a Ge(Li) pair spectrometer, 23:11019
LAUPRECHT, Wolfgang Methods for cladding large surfaces: welded and rolled cladding, 25:22040
LAUQUE, J. P. Influence of boron on crystallization of α-phase alloys of U, 22:28833
LAUQUE, J.-P. Study of the mechanical and thermal properties of uranium alloys with small additions, 21:32891
Study of transformation kinetics of uranium alloys under small loads, 22:38576
LAUQUE, Jean-Pierre Influence of boron on alpha crystallization of uranium alloys, 23:3069 (CEA-R-3498)
LAUQUE, R. 21-cm neutral hydrogen line observations of compact galaxies, 25:11638
Measurements of neutral atomic hydrogen in relatively early type galaxies, 24:37141
Radio observations of neutral H in four Seyfert galaxies, 25:16728
LAUR, F. Magneto-acoustic-wave traps created by ring currents, 25:40702
Scattering of MHD waves on lf magneto-acoustic wave, 25:47587
LAURA, A. Electroencephalographic effects induced by endocarotid administration of ^{131}I—MAA, 23:2896
LAURA, Patricio A. Approximate solution of flow and heat transfer through non-circular conduits with uniform wall temperature and heat generation, 25:48724
LAURAT, M. Neutron gamma discrimination circuit, 23:13982 (CEA-CONF-1203)
Preparation of nuclear targets on thin bases, 21:6778
Search for an intermediate structure in neutron total cross sections, 21:42596
LAURAT, Michel Determination of spins of levels of ^{20}F between 7.025 and 7.700 MeV and of ^{26}Al between 8.300 and 8.890 MeV, 21:25485
Elastic and inelastic scattering of 2 to 10 MeV protons by lithium isotopes, 23:44829 (CEA-R-3727)
LAUREILLA D, J. Carbon-14 isotopic effects in alkaline hydrolysis and solvolysis of 1,1,2-triphenyl-2-bromoethanol, 24:36211
LAURENCE, D. R. Treatment of radiation sickness with pyridoxine hydrochloride in outpatients, 22:4639
LAURENCE, G. Extraction of uranyl nitrate by di-n-heptyl sulfoxide (DHpSO), 24:46324
Phonon scattering and induced energy levels in electron-irradiated Sb-doped Ge, 25:59134
Phonon scattering and induced-energy levels in electron-irradiated Sb-doped Ge in the n to p-type conversion region, 25:33403 (CEA-CONF-1745)
LAURENCE, G. C. Power reactor siting in Canada, 23:4152
Power reactor siting in Canada, 23:37362 (CONF-681101-34)
Safety and national security, 23:50575
Trends in reactor safety, 24:24776
LAURENCE, G. S. Exchange reaction of pentafluoroethyl iodide with iodine, 22:27640
LAURENCE, Guy Aliphatic sulfoxides in liquid—liquid extraction, 25:44434
Extraction of uranyl nitrate by aliphatic sulfoxides, 24:48160
LAURENCE, J. Results of tests on an 8.8-TESLA, 51-cm-bore magnet system, 23:29077
Results of tests on models for an 88-kG, 51-cm-bore-diameter solenoid, 22:29423
LAURENCE, J. C. Design and operation of an 88-kG 20-in.-bore superconducting magnet system, 25:1149
Force-reduced superconducting toroidal magnet coils, 25:1151
Performance tests of 51-cm-bore superconductive magnets, 25:1150
Power supplies for superconductive electromagnets, 24:24062 (LA-4250, pp E3.1-7)
Superconducting magnet research, 25:11851
LAURENCE, James C. Cryogenics and superconductivity, 24:26095 (NASA-SP-5057, pp 259-80)
Superconductive magnets, 21:37345 (N-67-17829)
LAURENS, G. Determination of delta$_0^2$ Chew—Low extrapolation and resonance t dependence, 24:30449 (CONF-690521-, pp 131-48)
Differential cross sections for π^-p $\rightarrow$ π^-p, $\pi^+\pi^-$n and $\pi^-\pi^0$p at 2.77 GeV/c, 25:1426
Elastic scattering data ($\pi^-\pi^0$p) from π^-p $\rightarrow$ $\pi^-\pi^0$p reaction at 2.77 GeV/c application of Chew—Low extrapolation method, 21:46486
Pi$^+\pi^-$ elastic cross section, 25:9669
Piπ phase shifts, 25:9670
Production and decay of rho$^-$ meson in reaction π^-p $\rightarrow$ $\pi^-\pi^0$p at 2.77 GeV/c, 22:20141
Reaction π^-p $\rightarrow$ $\pi^-\pi^0$p at 2.77 GeV/c for low momentum transfers to proton, 23:14971
Study of $\pi^-\pi^0$ elastic scattering by the extrapolation method of Chew and Low from reaction π^-p $\rightarrow$ $\pi^-\pi^0$p at 2.77 GeV/c, 22:3272
LAURENS, Georges Simplified method of obtaining information from bubble chamber photographs, 25:13233 (CEA-N-1397)
LAURENS, P. Energy generator based on ^{238}Pu, 24:14175
LAURENS, Paul French nuclear-powered pacemaker program, 25:4239
LAURENSON, L. Attainment of ultrahigh vacuum, 24:14237
Influence of the pre-exhaustion cycle on the residual atmosphere of a getter-ion pumped system, 22:16849
Operation of a glow discharge ion gun used for specimen thinning, 25:36639
LAURENT, A. Carbon-14 isotopic effects in alkaline hydrolysis and solvolysis of 1,1,2-triphenyl-2-bromoethanol, 24:36211
Nondestructive determination of chlorine in silica—alumina, 23:17374
LAURENT, B. Prog. rpt. on general relativity and quantum theory, final, 2/1/65—8/31/66, 21:46433 (AD-642797)
LAURENT, B. E. Development of Metagalaxy, 23:51350
Dirac formalism for arbitrary spin in S-matrix theory, 23:1707
Gravitation without self-interaction, 23:7177
Merry-go-round and Schwarzschild coordinates, 24:22010
Scattering and current operators, 25:25536
Stationary model of metagalaxy, 23:41892
LAURENT, E. Carbon-14 isotopic effects in alkaline hydrolysis and solvolysis of 1,1,2-triphenyl-2-bromoethanol, 24:36211
LAURENT, Georges Electromagnetic and light emissions during magnetic substorms, 23:46389
LAURENT, H. Analysis of organic coolants, 22:12224 (NP-17239)
Analytical control of uranium monocarbide, 23:31278 (EUR-4068)
Gamma ray study of some levels in ^{41}Ca, 24:43234
Linear polarization of some isotropically emitted gamma rays, 22:48468
Low-lying states of ^{41}Ca, 24:28756
Measurements of lifetimes in ^{41}Ca. II, 25:23000
Measurements of lifetimes in ^{41}Ca. I, 25:23001
Study of reaction ^{31}P(p,α_0)^{28}Si induced by protons of 1.4 to 1.9 MeV, 21:25487
LAURENT, Henri Probabilities of electromagnetic transitions in ^{41}Ca, 25:34011 (NP-18812)
LAURENT, Jean-Louis Measurements of thoron flux emanated from the ground and vertical repartition of radon and thoron at various levels above ground, 23:2418
Radon-220 emanation from soils, 24:9521

LAURENT, Joel Contact surface and shock wave in an electromagnetic shock tube, 24:28303
LAURENT, M. French carbon dioxide blowers for nuclear reactor equipment, 21:14021
LAURENT, Monique Extracorporeal irradiation of calves blood, 24:2773 (CEA-R-3864)
LAURENT, R. Geochronometric method of total Pb applied to geological study of massifs of Monte Blanc and Aiguilles Rouges (the Franco-Swiss Alps), 22:6467
LAURENT, Y. Osteosarcomas of irradiated infants, 22:49453
LAURENT-ATHALIN, G. Use of ultrasonics for testing foundry billets and semi-finished extrusions in alloys of Mg—Zr type for canning, 23:9666 (CEA-CONF-1069)
LAURENZI, Bernard J. Green's function for H$_2^+$, 25:58704
  Green's functions in atomic and molecular calculations, 24:28120
LAURER, G. R. In vivo measurement of nuclides emitting soft penetrating radiations, 23:45728 (AD-690243)
  In vivo measurements of nuclides, 23:24637
LAURER, Gerard R. Carbon-14 and tritium measurement by means of bremsstrahlung emissions, 21:41421
  In vivo measurement of ^{210}Pb as an indicator of cumulative radon daughter exposure in U miners, 23:26786
  In vivo measurement of lung burdens of radionuclides, 23:43775
  Prog. rpt. on surveillance and measurement of environmental Rn and daughters in in-vivo ^{210}Pb, 24:9828 (PB-186358)
  X-ray fluorescence: detection of lead in wall paint, 25:35043
LAURIDSON, J. R. Characteristics of biological damage by lasers, 21:34614
LAURIE, J. Progress in optimization by score functions, 24:31991
LAURIE, Jean Dose gradient vectors in 4 MV x-ray treatment planning, 23:9954
LAURIE, P. S. Reports on the progress of astronomy, 22:17322
LAURIE, Victor W. Microwave spectra of the first-excited torsional states and barrier to internal rotation of dimethylamine, 25:10551
  Microwave spectrum of germacyclopentane, 24:9298
  Structure and conformation of trimethylamine, 23:43296
LAURIKAINEN, K. V. Comparison of some deuteron wave functions, 24:40689
LAURIKAINEN, P. Geometrical fit of bubble chamber tracks by treating scattering as measurement error, 25:51899
LAURILA, E. International view of heavy water moderated reactors, 22:25038
LAURINO, Richard K. National entity survival following nuclear attack, 23:50591 (CONF-671135-, pp 207-16)
LAURITSEN, T. Energy levels of light nuclei. VII, 22:35230
LAURITZEN, P. O. Irradiation damage of MOS—FETS operating in common source mode, 22:12739
  Radiation induced charge migration in MOS-FET transistors, 21:28333 (BNWL-SA-1101-S)
  Susceptibility of MOS transistors to damage from gamma radiation, 22:8430
LAURITZEN, T. Compatibility of urania—plutonia fuels with stainless steel and sodium, 23:41751 (GEAP-5633)
  Density changes in several austenitic stainless steels after irradiation in EBR-II, 23:3095
  Determination of maximum temperatures attained in irradiation experiments, 21:30647
  Evaluation of the quality of seamless austenitic stainless steel tubing, 24:29937 (GEAP-13553)
  Influence of surface defects on short-term mechanical properties of austenitic stainless steel tubing, 24:23455 (GEAP-13550)
  Mechanical properties evaluation of austenitic stainless steels, 24:14810 (GEAP-10066)
  Swelling of austenitic stainless steels under fast neutron irradiation, 23:22610
  The out-of-pile compatibility of austenitic stainless steel with mixed-oxide fuel, 22:4739
LAURITZEN, T. A. Effect of fast-neutron irradiation on the mechanical properties of some austenitic stainless steels, 22:31437
  Electron probe microanalysis of radioactive materials. I, 22:27532 (GEAP-5344)
  Sodium mass transfer. XVIII. Extended studies of C movement in pumped Na test loops, 21:460 (GEAP-4834)
  Swelling of fuel cladding alloys, 23:36148
LAURO, F. Comparative study of the kestner falling-film evaporation process in the desalination of seawater, 25:8159 (ORNL-tr-2404)
  Desalination plants coupled to a nuclear reactor, 23:49633
  Distillation cycle and the combination of processes which are applicable to large-capacity desalination plants, 25:54240 (A/CONF.49/P-590)
  Sea-water desalination plants associated with a natural U—gas—graphite reactor, 23:28596
LAURO, M. Dismantling, decontamination, and new equipment installation, 24:31559
  Hot cells for post-irradiation examination of samples of low activity, 24:33862 (RT/ING-(69)20)
LAURO, R. Neoplasms arising after radiotherapy, 21:22601
LAUSBERG, A. Coriolis effects in Einstein universe, 23:51351
LAUSCH, W. Neutron radiography and its application possibilities, 25:29292
LAUSCHER, P. Four-pion decay mode of D(1285) meson in π^{+-}p reactions at 16 GeV/c, 25:27964
  Photoproduction of negative pions on neutrons, 23:13024
  Photoproduction of rho^0 mesons on deuterons between 1 and 5 GeV, 24:40225 (DESY-70/16)
  Photoproduction of rho^0 mesons on deuterons between 1 and 5 GeV, 25:3246
  Photoproduction of rho$^-$ mesons on deuterons between 1 and 5 GeV, 25:1381
LAUSE, P. Radiation damage to chromosomes, 22:36327
LAUSECKER, C. Fixation of AcK, ^{14}C, and ^{86}Rb in sarcomata and granulomata in rat, 21:10730 (UCRL-Trans-10035)
LAUSHKINA, G. A. Adsorption of radioactive iodine vapors from air, 23:38121
LAUSTRIAT, G. Absolute radioluminescence efficiency of liquid benzene and alkylbenzene scintillators, 25:10822
  Decay of luminescence intensity in organic scintillators, 21:6270
  Effects of γ-rays on the characteristics of organic scintillators, 21:28334
  Influence of the nature of ionizing particles on the specific luminescence of organic scintillators, 21:826
  Luminescence decay of organic scintillators, 23:2610
  Radioluminescence decay of organic scintillators, 25:37602
  Radioluminescence of organic media. I, 22:25654
  Radioluminescence of organic media. II, 22:34765
LAUSTRIAT, Gilbert Energy transfer in plastic scintillators, 24:19208
LAUTER, E. A. A3-absorption measurements at lf and rocket-measured D-region profiles, 23:34337
  Anomalies of lower ionosphere ionization in medium latitudes, 25:5006
  D-region phenomena and stratospheric—mesospheric coupling, 23:16721
  Frequency dependence of nighttime absorption in the solar activity cycle, 25:47433
  Ionospheric conditions following the proton flare event of July 7, 1966. I, 23:22829
  Precipitation of high-energy particles into the upper atmosphere at medium latitudes after magnetic storms, 21:35092
  Seasonal variations of ionospheric absorption deduced from A3 measurements in frequency range 100 to 2000 kc, 21:35082
LAUTER, E.-A. Development of storms in the lower ionosphere at medium latitudes, 22:34400
LAUTERBACH, U. Measurements of background radiation in a rock salt mine, 22:28111
  Sensitive scintillation dosimeter, 24:27343 (CONF-690540-, pp 538-47)
LAUTERBORN, D. Evolution with mass exchange of case C for a binary system of total mass 7 solar mass, 24:44857
  Stars with central He burning and occurrence of loops in H—R diagram, 25:13815
  Stars with central helium burning and occurrence of loops in H—R diagram. II, 25:38062
LAUTERBUR, P. C. Solvent isotope effects on chemical shifts of ions in aqueous solutions, 22:16510
LAUTERJUNG, K. H. Beta-gamma and beta-alpha angular correlations in the decay of ^{8}Li and ^{8}B, 21:1037
  Gamma-ray spectrum of ^{214}Po, 22:3714
  Propagation velocity of discharge in self-quenching counter, 21:12651
LAUTERJUNG, Karl Heinz β-decay of ^{208}Tl, 21:15573
  γ—γ directional correlation in ^{124}Sb, 21:15572
LAUTHIER, J. C. Chemical diffusion in the hexagonal phase of the zirconium—plutonium system, 21:39627
  Phase diagram Pu—Zr, 23:27107 (LA-tr-69-2)
  Study of the Pu—Zr phase diagram, 21:45948
LAUTHIER, Jean-Claude Diffusion in plutonium—zirconium system, 22:4796 (CEA-R-3275)
  Irradiation device Odile, 24:43809 (CEA-N-1317)
  Irradiation of mixed UO$_2$—PuO$_2$ oxide samples for fast neutron reactor fuel elements, 24:4855 (CEA-R-3878)
  Irradiation results of mixed UO$_2$—PuO$_2$ test pieces, 24:23537 (EURFNR-707)
  Natural convection irradiation device "Esther", 25:37061 (EURFNR-890)
  Natural-convection irradiation device "Esther", 25:3903 (CEA-N-1348)
  ODILE irradiation device, 25:37060 (EURFNR-889)
LAUTRUP, B. New theoretical value for Lamb shift, 25:19512 (CNRS-CPT-70-P-335, pp IV.16-25)
  Radiative correction to anomalous magnetic moments of muon and electron, 24:47408
  Sixth-order corrections to the anomalous magnetic moment of the electron, 25:12145
LAUTRUP, B. E. New theoretical value for Lamb shift, 24:28589
  Radiative corrections to decays with a Dalitz pair, 25:22757
  Sixth-order contribution to the difference of the anomalous magnetic moments of muon and electron, 23:3674
  Sixth-order radiative corrections to the muon g-factor, 24:3576
  Sixth-order radiative corrections to α/sub μ/—α/sub e/, 25:14620
LAUTZ, Guenter Influence of reactor neutrons on electric conductivity and Hall effect of Ge single crystals, 21:7357
LAUTZENHEISER, C. Inspection of Oskarshamnsverket reactor vessel, 24:26698
LAUTZENHEISER, C. E. In-service inspection of San Onofre Nuclear Generating Station, Unit 1, 25:39139 (CONF-710512-6)
  Inspection of Elk River Reactor pressure vessel after operation, 21:44857 (SwRI-1228-P-9-13)
  Nondestructive inspection of nuclear power pressure boundaries, 24:14212
  Periodic inspection plan for the Oskarshamnsverket reactor pressure vessel, 24:14216
  Prog. rpt. on serviceability of Elk River reactor pressure, 7—9/66, 21:7898 (SwRI-1228-P-4-25)
  Surveillance and inspection programs for LACBWR reactor pressure vessel, 22:42209 (SwRI-1228-P-11-8)
  Surveillance and inspection programs for LACBWR reactor pressure vessel and associated piping and equipment corrosion program, 25:48136 (SWRI-1228-P-11-15)
  Track assembly for inspection of upper recirculation header on LACBWR, 23:9098 (SwRI-1228-P-11-10)
  Ultrasonic inspection of selected welds in stainless steel primary steam piping in Elk River Power Plant, 6/66, 25:44082 (SWRI-1228-9-10)
LAUTZENHEISER, Clarence E. Development of an inspection system for the Atucha nuclear reactor, 25:44080
LAUTZENHISER, T. V. Ion heating by inhomogeneous time varying electric fields, 23:10603 (ORO-3777-2)
  Radiation temperature and enhanced diffusion in a radio-frequency discharge, 21:37420
LAUZON, A. F. Response of weapons detectors to fast rising signals. I, 22:19099 (UCID-4675)
  Transmission and backscattering of 4.0- to 12.0-MeV electrons, 23:41920
  Vacuum diode detector for measuring high intensity gamma-ray flux, 22:4446
LAUZON, Alfred Model for the nonlinear response of plastic scintillators to intense weakly ionizing radiation, 25:15906
LAVAGNINO, Albert Time dependent neutron transport from a point isotropic source at an altitude of 80,000 ft, 21:17259 (AD-646458)
  Time dependent neutron transport from a point isotropic source at an altitude of (15.240Km) 40,000 ft, 21:44495 (AD-647165)
LAVAITTE, A. Broad bandwidth differential amplifier, 25:35046 (CEA-N-1448)
  Fast dc-coupled 4-fold fan-out circuit, 24:36640 (CEA-N-1319)
  Improvement of the signal-to-noise ratio in nanosecond amplification, 23:13980 (CEA-CONF-1169)
  Nanosecond pulse amplifier with adjustable gain, working in both polarities, 25:35044 (CEA-N-1439)
LAVAKARE, P. J. Atmospheric neutrons and the Van Allen radiation belt, 25:35998
  Cosmic ray nuclei of charge Z greater than or equal to 3, 24:28126
  Gamma-ray production in paraffin by cosmic rays, 23:22944 (N-68-37235)
  Helium-3 in the low energy primary cosmic radiation, 21:23035
  High-energy neutrons from the sun, 21:6914
  Improved estimate of solar neutron flux measured in an earlier experiment, 25:30177
  Isotopic composition of helium nuclei in the primary cosmic rays, 21:3709
  Limit on continuous solar flux of 2.22-MeV neutron—proton capture gamma ray, 22:19723
  Low energy gamma-ray spectrum in space, 24:51468
  Low-energy gamma radiation in the atmosphere, 24:42561
  Low-energy gamma-ray spectrum in space, 25:35922
  Search for energetic neutrons emitted during solar flares, 24:10320
  Search for energetic neutrons emitted during solar flares, 25:35772
  Study of solar neutrons, 21:3573
LA VAKE, J. C. Prog. rpt. on V purification, 10—12/67, 22:28753 (CEND-3742-329)
  Prog. rpt. on V purification, 4—6/68, 22:49692 (CEND-3742-342)
  Prog. rpt. on V purification, 5—9/67, 22:15172 (CEND-3742-325)
  Prog. rpt. on vanadium purification, 1—3/68, 22:43539 (CEND-3742-336)
  Prog. rpt. on vanadium purification, 7—9/68, 23:8152 (CEND-3742-344)
  Prog. rpt. on vanadium purification, 10/68—3/69, 23:29977 (CEND-3742-352)
  Vanadium purification, 24:14660 (CEND-3742-356)
LAVAL, G. Adiabatic theory of motion of charged particles in an electromagnetic field, 24:35592
  Ballooning modes in axisymmetric toroidal configurations, 24:40113
  Bounce effects in the negative mass instability, 25:3117 (CEA-CONF-1598)
  Bounce effects in the negative mass instability, 25:30551
  Calculation of BL coordinates by perturbation method, 24:35287
  Calculation of statistical entropy on a nonequilibrium plasma, 22:3136
  Convective modes driven by density gradients, 21:13613
  Disintegration of a Langmuir wave, 23:51734
  Dissipative drift modes in Tokamak-type configurations, 25:38475 (CONF-710607-86)
  Dissipative instability associated with electrons trapped in tokamak-type configurations, 25:59060 (CEA-CONF-1800)
  Effect of heat transport on the collisional drift-wave dispersion relation, 24:26281
  Effect of ion—ion collisions and shear on resistive drift modes, 21:33400 (CONF-670104-Pt.1, pp 111-18)
  Electromagnetic trapped-particle modes in multipoles, 24:51703
  Equilibrium, stability, and diffusion of toroidal plasma of non-circular cross section, 25:38473 (CONF-710607-83)
  Instability of plasma, 24:40105
  Non-linear instabilities in an inhomogeneous plasma, 23:32450
  Non-linear processes, 23:32523
  Nonlinear instabilities in inhomogeneous plasma, 23:16830 (CEA-CONF-1008)
  Particle acceleration by electrostatic waves propagating in an inhomogeneous plasma, 24:32746
  Radial dependence of trapped-particle instabilities, 25:43391
  Stabilization of density-gradient instabilities by the dispersion of curvature drift velocity, 22:7336
  Studies of nonlinear processes, 23:16837 (CEA-CONF-1007)

LAVAL, Guy Decay of a Langmuir wave, 23:14822
  Decay of a Langmuir wave, 23:18695
  Kinetic equations for an unstable plasma, 23:8596 (CEA-R-3525)
  Nonlinear effects in a plasma stabilized by the cutting of the lines of the magnetic field, 22:26361
LAVAL, M. Multiple proportional gas counter for the cartography of radioelements, 25:57774
  Stationary gas detectors for mapping and dynamic studies of organs using x ray or low-energy γ-ray emitters, 25:10810 (CEA-CONF-1668)
  Use of liquefied noble gases, 25:55028
LAVAL, P. Apparatus for administration of radioactive aerosols for scintigraphy of the lungs, 24:33970
LAVAL-JEANTET, M. Scattered radiation in the formation of the soft tissue image, 24:7951
LAVALLE, D. E. Inorganic preparations, 22:14482 (ORNL-4196, pp 90)
  Inorganic preparations, 24:13805 (ORNL-4466, pp 102-3)
  Preparation of MgO powder having low Al and Fe content, 24:29132 (ORNL-TM-2935)
LAVAN, M. J. Effect of approximate wave functions in composite-particle scattering, 25:43971
LAVAUD, Bernard Measurement of in-pile core temperature of an EL 4 pencil element, 21:14106 (CEA-R-3041)
LAVAUD, Michel Application of gamma absorptiometry to the analysis of uranium in solutions, 23:26184 (CEA-R-3708)
  Application of gamma absorptiometry to the analysis of uranium in solutions, 23:49732 (LIB/Trans-218)
  Measurement of content of an element in a sample by γ-ray absorption, 25:37317
  Study and comparison of analytical methods for determining molybdenum in uranium—molybdenum alloys, 23:17324 (CEA-R-3634)
LAVDANSKAYA, G. A. Calculation of heat release in concrete shielding, 24:49241
LAVDANSKII, P. A. Calculation of heat release in concrete shielding, 24:49241
  Influence of boron additions on shielding properties of concretes, 23:46544
  Influence of boron on heat-release in concrete shieldings, 23:46545
  Investigation of the shielding properties of concrete which contains boron, 21:21044
  Neutron penetration through shielding of heat resistant chromite concrete with boron, 23:46543
  Role of boron-containing concretes as nuclear reactor shields, 22:25150
  Shielding materials for nuclear reactors, 24:34984
  Shielding properties of heat resistant concretes, 23:46542
LAVEISSIERE, Francoise Extraction of cesium from aqueous solution containing other elements, 21:40987
  Isotopic electric generators, 25:34811 (ORNL-tr-2485)
  Isotopic electricity generators, 25:26423 (CEA-Bib-190)
  Process for chemically separating substances in solution, 21:19752
LAVEISSIERE, J. Neutron diffraction study of crystal structure of UF_5, 22:47149
  Neutron-diffraction study of crystal structure of U_2F_9, 23:178
LAVEN, H. Inherited semisterility for control of harmful insects. I, 25:42335
  Semisterility for insect control, 25:29752
LAVEN, Hannes Genetics against pests, 21:14621
LAVENDEL, H. W. Evaluation of silicide coatings on Nb and Ta for improving their oxidation resistance, 21:16564
  Sintering of TaB_2, 22:31494
LAVENDEL, Henry W. Effect of dispersed oxide particles upon sintering of metallic compacts, 24:6180
LAVENDER, A. Energy response of some commercial beta/gamma and neutron survey instruments, 25:57781
  Experience gained in operating a dosimeter calibration facility, 21:6307
  Modification of BNL 250-kV x-ray set and recalibration of its output, 23:31575 (RD/B/N-1263)
  Remote positioning facility for calibration of γ radiation instruments, 24:39119 (RD/B/N-1624)
LAVERDE, Humberto Forero Effects of irradiation on the heart, 21:24582
LAVERICK, C. Design of large superconducting bubble chamber magnets, 21:1564 (ANL-7192)
  Effect of fast neutron irradiation at low temperature on NbZr coil performance, 21:38042
  Performance of small superconducting coils, 21:9471 (TID-23482)
LAVERICK, Charles Future of superconducting magnets, 21:38041
  High-field superconductor technology, 22:26330
  Superconducting cable, 21:18606
  Superconducting magnet developments. conclusion, 21:5216
  Superconducting magnet studies, 22:22078
  Superconducting magnet systems, 21:31349 (CONF-661016, pp 261-82)
  Superconducting magnet technology, 21:43947
LAVERICK, M. K. Continuous ash monitoring and coal blending processes, 25:21463
LAVERLOCHERE, J. Activation analysis at Grenoble Center, 24:167
  Activation analysis by means of 14-MeV neutrons, 24:11471
  Activation analysis with 14- and 3-MeV neutrons of elements of atomic number below 30, 22:7989 (CONF-660905-2)
  Applications of activation analysis to refractory materials, 23:17372
  Chemical separations on ion-exchange resins, 22:40202
  Destructive and nondestructive analysis of soils and minerals by neutron activation, 23:13671 (CEA-CONF-1183)
  Determination by [neutron] activation of W, 23:9322
  Improvement of chemical separations on ion exchange resins: effect of grain size, 23:17521 (UCRL-Trans-10324)
  Neutron activation analysis, 24:2161
  Recent examples of neutron activation analysis in metallurgy, electronics, and chemistry, 23:17380
LAVERLOCHERE, Jean Titration by activation of impurities present in W. Application to industry of lamps, 21:38911
LAVERNE, A. Beta—γ circular polarization correlation nuclear matrix elements, 24:28740
  Effect of ground state correlations on negative parity states of ^{16}O, 24:43146
  Effects of ground-state correlations on the odd-parity states of ^{16}O, 24:38121
LAVERNE, M. E. Analysis of hot spot problem in MPRE, 23:28586 (ORNL-TM-1371)
  Control concepts and digital computer analysis of MPRE fluid system, 23:28584 (ORNL-TM-1368)
  Design comparison of cesium and potassium vapor turbine-generator units, 23:13908 (ORNL-TM-2024)
  Effects of stage temperature drop on thermal stresses in representative cesium and potassium turbines, 23:24349 (ORNL-TM-2125)
  Performance characteristics of cylindrical heat pipes for nuclear electric space and undersea power plants, 25:10755 (ORNL-TM-2803)
LAVERRIERE, G. Test results of digitized wide-gap wire chambers, 21:36334 (CERN-67-13)
LAVERRIERE, G. C. Digitized wide-gap wire spark chamber, 21:10634
  Digitized wide-gap wire spark chamber, 21:14469
LAVERRIERE, R. Angular distributions and correlations in three-body phase space, 25:12135
  Euler angles for three and four identical particle systems. III, 22:15695 (LYCEN-6734)
  General relations for C and G parities of particle—antiparticle systems with arbitrary spin and isospin, 22:32185
  Pion angular distributions in proton—antiproton annihilations up to four pions. I, 22:15761 (LYCEN-6757)
  Relativistic calculations of angular correlations of particles issued from an interaction-free resonance decay, 25:12176
  Selection rules in antiproton—proton and antiproton—neutron annihilations, 21:11770
  Theoretical analysis of $(\alpha,2\alpha)$ reactions using triangular graphs, 24:38100 (LYCEN-7031)
  Theoretical analysis of $(\alpha,2\alpha)$ reactions, 25:9987
  Theoretical study of pion angular distributions in proton—antiproton annihilations up to four pions. II, 22:15760 (LYCEN-6751)
LAVERRIERE, Roger Final state interaction in (p,2p) and $(\alpha,2\alpha)$, 25:1732
LAVERTY, A. Determination of O in Be: comparison of neutron activation and Br—MeOH methods, 21:14171
LAVERTY, W. F. Film boiling of saturated nitrogen flowing in a vertical tube, 21:16065
LAVERY, R. C. Resistance spot welding of galvanized steel. I, 23:36047
LAVEZZO, K. E. Prog. rpt. on transient boiling phenomena, final, 5/66, 21:6131 (SAN-1013(Vol.1))
  Transient boiling phenomena, 21:1223 (SAN-1013(Vol.2))
LAVICKI, D. Testing of reactor control system, 23:43153
LAVICKI, Damir Automatic power control system of Triga reactor, 23:43152
LAVIE, J. M. Dosimetry by passive dosimeters in case of intense and complex radiations, 22:21363
  Nuclear reactor siting in the neighborhood of towns, 22:18444
  Preventing the escape of radioactive wastes at nuclear power plants, 22:18456
LAVIGNE, Robert J. The Rain Forest Project. Annual report, 25:42317 (PRNC-147)
LAVIK, M. T. Irradiation effects on bonded lubricant films and constituent lubricating solids, 22:8850
LAVIK, Paul S. Modification of radiation response, 23:45867
LAVILLE, J. L. Cross section for $\pi^- p \rightarrow$ all neutrals from 0.7 to 1.6 GeV/c, 24:26377
LAVILLE-SAINT-MARTIN, B. Thin films of TiO_2 by reactive cathode sputtering, 25:49513
LAVIN, P. A. Etching facets in a Mg alloy, 23:27017
LAVINE, Daniel M. Rapid scintiphotographic placental localizations utilizing free /sup 99m/Tc pertechnetate, 22:38359
LAVINE, Mary C. New phase transformation in InSb at high pressure and high temperature, 21:27079
  P—T phase diagram of InSb, 23:12981
LAVINE, Richard B. Commutators and scattering theory. I, 25:45827
LAVIOLETTE, Pierre Action of x rays on osmotic pressure and pH of homolymph of Galleria mellonella L (Lepidopera insect), 22:43462
LAVIRON, Edouard Apparatus for storing electrical pulses, 23:33401
LAVOIE, L. Gas Cherenkov counter with large phase-space acceptance, 24:16888
  Simple photomultiplier performance monitor, 22:14885
  Simple system fault indicator, 24:11879
LAVOIE, Louis Active magnetic shielding of photomultipliers, 23:45532
  Photomultiplier focus control, 23:41171
LAVOLLEE, Philippe Radioactivity distribution in environment of a contained nuclear explosion. I, 25:41954 (CEA-R-4128(1))
LAVOY, Leo L. Preparation and properties of LiPb, a novel material for shields and collimators, 25:37943
LAVRENCHIK, E. I. Positive reactions of plasma with lysate of autoerythrocytes as function of irradiation dose and administration of S,β-aminoethylisothiuronium, 23:786
LAVRENCHIK, V. N. Composition and concentration of radioactive contamination in air over Indian and Pacific Oceans in 1959—1960, 21:8457 (AEC-tr-6641, pp 14-22)
  Global ^{7}Be-concentration distribution in near-ground air layer, 23:17612
LAVRENCIC, B. Proton spin—lattice relaxation in irradiated $NaH_3(SeO_3)_2$, 25:40787
  Quasi-spin wave H tunneling modes in KH_2PO_4 and KD_2PO_4, 24:33665
LAVRENCIC, D. Availability of plutonium, 24:11125
  Availability of Pu for the fast reactor program, 22:5934 (RT/EC-(67)1)
  Heavy water production, industrial processes, and plants, 25:57652 (DAISE-70-8)
  Nuclear reactors in Soviet Union, 23:26095
LAVRENCIC, Devana Nuclear energy in the German Democratic Republic, 24:30966
  Soviet Union's reactors. II, 23:33007
  USSR's reactors, 23:33032
LAVRENIKOV, V. D. Regulation of power of the IGR pulsed reactor, 21:31972
  Some integral-reactivity properties and their application to IGR reactors, 25:60171
LAVRENKO, N. A. Obtaining a protective aluminum coating on titanium and zirconium, 22:21679
LAVRENT'EV, G. Ya. Gravitational resonant detector with two degrees of freedom, 24:18288
  Gravitational wave detector with superconducting resonance element, 25:425
LAVRENT'EV, I. V. Boundary problem on the distribution of electric fields along the channel with side bars, 25:43202
  Effect of partition placement on MHD-channel characteristics, 22:38851
  End effects in MHD ducts for finite magnetic Reynolds numbers, 25:52714
  Experimental study of direct-current MHD generator, 21:35059
  Influence of non-conducting partition on characteristics of an MHD converter, 22:41408
  Integral characteristics of MHD channels with nonconducting partitions, 24:19797
  Maximum voltage values for d-c MGD generator, 22:9134
  MHD channel running regimes, 23:12628
  Potential distribution in an MHD channel with thin conducting walls, 24:17737
LAVRENT'EV, L. N. Certain biochemical and histochemical changes in lipid metabolism due to prolonged oral administration of ^{144}Ce, 23:9865
  Combined action of ^{90}Sr and chemical carcinogens, 22:23609
  Investigation and comparative assessment of chronic effect of ^{90}Sr and ^{144}Ce, 23:22379 (AEC-tr-6944, pp 400-9)
  Materials for studying the role of autoantibodies during radiation damages induced by the action of internal irradiation, 24:9759
  Morphological alteration of intestine of rats in prolonged introduction of ^{144}Ce into gastrointestinal tract, 22:43442
  Morphological picture of injuries and restorative processes in the combined effect of external and internal irradiation, 24:23374
  Radiation damages and repair of intestinal tissues, 25:11271
  Role of cancerogenic chemical and ionizing radiation in development of neoplasms, 25:44916
LAVRENT'EV, O. A. Investigation of an electromagnetic trap, 24:3295 (AEC-tr-7002(Rev.))
  Investigation of electromagnetic trap, 23:5368 (AEC-tr-7002)
LAVRENTEV, V. I. Niobium: thermochemical properties, 23:47436
LAVRENTOVICH, Ya. I. Combined effects of active liquid mediums and γ radiation on the durability of poly(methyl methacrylate), 24:2250
  Effect of kind and energy of irradiation on radiolysis of polypropylene, 25:13055
  Measurement of absorbed doses of heavy charged particles and gamma-neutron radiation with cellulose diacetate films, 23:35223
  Separate determination of fast neutron and gamma-radiation doses by polymer films, 24:503
LAVRINENKO, I. A. Liquid-phase sintering, 24:39616
LAVRINENKO, V. I. Protective effect of electronarcosis in extreme cases of radiation sickness, 22:49484 (JPRS-39515, pp 1-13)
LAVRINOV, G. A. Quasi-periodic intensity variations of emission from Sun at 3.3-cm wavelength, 23:20637
LAVRINOVICH, Yu. G. Distribution of deposits and activity on surfaces of equipment and connecting lines of the VK-50 single-circuit reactor, 25:34197 (JPRS-53069, pp 56-63)
  Distribution of deposits and activity on the surface of the equipment and service lines of the VK-50 single circuit reactor, 25:48138
LAVROV, B. A. Content of ascorbic acid in radio sensitive tissues, 22:25763
LAVROV, M. I. Simple method for determining photometric orbital elements, 25:58427
LAVROV, V. M. Energy loss spectra for kilovolt-energy electrons interacting with the shells of noble gas atoms, 23:5222
  Role of ionization processes in collisions of K^+ ions with inert-gas atoms, 25:24915
LAVROV, V. P. Effect of finite source size on beam focussing in a cylindrical-field electrostatic spectrometer, 25:49065
  Electrostatic spectrometer for beams of charged particles, 25:42215
  Ion-optical properties of an electrostatic charged-particle energy analyzer, 25:43761
  Temperature dependence of emission of electrons by ion bombardment of alkali halide single crystals, 21:37597

LAVROVA, E. V. Changes in N(h) profile during positive ionospheric disturbances in years of maximum and minimum solar activity, 25:16908
  Ionospheric effect of a low-energy solar plasma emitted during proton flares, 25:16986
  Manual on short-term prediction of ionospheric geomagnetic storms and radio-propagation forecasting service, 23:44237 (AD-682507)
  Principles of predicting ionospheric magnetic disturbances and short-term radio forecasting, 22:46037
LAVROVA, G. A. Radiation from an electric charge moving along a spiral path in a transparent medium, 25:56462
LAVROVA, M. S. Solution of integral Peierls equation, 25:53357 (IAE-1970)
LAVROVA, V. V. Dopplerons in cadmium, 25:27900
LAVROVSKII, K. P. Chemical action of laser radiation on acetylene, 25:4070
  Comparative investigations of thermal and radiation-initiated thermal cracking of a gas—oil fraction, 22:2121
  High-temperature radiolysis of m-terphenyl and its hydrogenated derivatives, 25:172
  Thermal and radiation initiated conversions of terphenyl isomers and their hydrogenated derivatives, 25:29113
LAVROVSKII, V. A. Detailed structure of beam—plasma instability, 24:37474
LAVRUKHINA, A. K. Analytical chemistry of Tc, Pm, At, and Fr, 25:15470
  Chemical analysis of radioactive materials, 21:25810
  Chemical analysis of radioactive materials, 22:4060
  Determination of macrocomponents in meteorites by nondestructive activation analysis, 23:17365
  Determination of preatmospheric meteoritic dimension, 21:5032
  Determination of the modulation-region boundaries, 25:30323
  Determination of the pre-atmospheric dimensions of meteorites from the effects of nuclear reactions produced by cosmic rays, 25:32874
  Determination of U in stony meteorites, 23:31321
  Determination of uranium in iron meteorites by the method of fission fragment track registration, 25:32872
  Determinations of the dimensions of meteorites before they reach the atmosphere by means of the effects of cosmic radiation-induced nuclear reactions, 22:11111
  Differentiation of the rare earths in meteoritic matter, 25:6922
  Distribution with depth of radioactive particles in iron meteorites, 21:12534
  Early history of cosmic rays in the solar system, 22:11112
  Effects of nuclear reactions with cosmic rays in cosmic bodies, 22:4940
  Estimation of induced radioactivity in stone meteorites, 22:34215
  Formation rate of cosmogenic isotopes in iron meteorites, 22:25514
  Instrumental activation analysis for principal elements in meteorites, 23:9311
  Instrumental method of activation determination of macrocomponent content in meteorites according to short-lived isotopes, 21:42886
  Intensity distribution of the nuclear-active component of cosmic rays in meteorites, 22:29310
  Investigating the evolution of meteoritic matter from the effects of the nuclear reactions induced by cosmic rays, 21:547
  Investigation of the distribution of rare elements between the various phases of stone meteorites by neutron activation analysis, 23:4582
  Lunar and meteorite radioactivity, 24:3058
  Neutron activation determination of scandium in meteorites, 21:32106
  Nuclear reaction in the nucleogenesis of xenon isotopes in solar system matter, 25:55670
  Radioactivity induced by cosmic rays of galactic and solar origin in bodies of the solar system, 24:8366
  Radiochemical investigation of products from splitting of praseodymium nuclei by protons with energy of 660 MeV, 24:3893
  Simulating cosmic-ray interactions with stony meteorites, 24:32528
  Solar proton medium flux constancy over a million years, 25:52497
  Studies of VH and VVH nuclei in mineral meteorites, 25:30317
  Study of distribution of Sc, Ce, and Eu between the various phases of meteorite matter, 25:19302
  Time and space variations of cosmic rays in the solar system, 25:14071
LAW, C. A. Cobalt-60: betting megabucks on megacuries, 25:29284
  Gentilly readied for run-up, 25:25887
  Heavy water production in Canada, 22:40194
LAW, Charles W. Canada's nuclear power program, 24:47701
LAW, Delman A. Ultra-high-strength pressure vessel, 24:42077
LAW, G. R. J. Measurement of graft-versus-host reactions on the chorioallantoic membrane of the chicken, 24:31869
LAW, J. Binding energy of /sub Λ/^{5}He with two-channel separable potentials, 25:30897
  Calculation of D/sub Λ/ directly from Λp scattering cross sections, 24:13416
  Calibration of EIL thin-walled ionisation chambers, 24:48331
  Consistency of FeSO$_4$ dosimetry, 24:23029
  Dosimetry of megavoltage photons, 25:21453
  Effect of ΛN tensor force on /sub Λ/^{5}He, 24:15784
  Effect of ΛN tensor force on Λ-He^{5}, 24:47463 (CONF-690557-(Vol.1), pp 333-47)
  Estimate of Σ-suppression in hypernuclear matter, 24:52126
  Ferrous sulfate G-value for x-rays generated at 20 kV and below, 21:5962
  Ferrous sulfate G-values in 0.8 and 0.1N H$_2$SO$_4$, 24:2252
  Ferrous sulphate G-values for x-rays of effective energy 48 and 25 keV, 24:12070
  Measurement of ferric ion concentration in Fricke dosemeter. I, 25:51918
  Measurement of low energy x-rays. III, 22:40474
  Mutagenesis in E. coli. II, 23:22262
  Pathological separable potentials, 23:4063
  Photoactivation with ^{60}Co source, 23:44875
  Plastic irradiation vessels for ferrous sulphate dosimetry, 24:16898
  Projected Hartree—Fock spectra in the p-shell, 23:37324
  SIGMA-suppression in /sub Λ/^{5}He, 25:9815
  The binding energies of s-shell nuclei, 24:13268
  Use of ferrous sulfate for dosimetry by post, 24:23212
  Variation of response of FeSO$_4$ dosemeter with temperature, 25:446
LAW, J. J. Measurement of high dose rates delivered by ^{60}Co sources with aqueous silver nitrate system, 24:2671
LAW, Joseph J. Isomeric activation of silver with bremsstrahlung, 25:46045
  Nuclear isomers produced by ^{60}Co irradiation, 23:9465
LAW, L. A. Beam switching system for CEA bypass, 22:32335 (CEAL-2000, pp A94-6)
LAW, L. W. Role of circulating lymphocytes in primary antibody responses to different antigens, 23:35676
LAW, S. W. Wilzbach tritiation studies. III, 22:65
LAW, Sara E. Measurements of Venus and Jupiter near 1-cm wavelength, 23:8431
  Spectrum measurements of Sun near 1 cm wavelength, 22:17290
LAW, Stephen L. Use of selective ion exchange paper in x-ray spectrography and neutron activation. Application to the determination of gold, 25:8221
LAW, T. J. Ultra-high vacuum electron microscope specimen chamber for vapour deposition studies, 24:36548
LAWANDE, S. V. Computer codes for thermal reactor physics problems, 21:15643 (CONF-660221-, pp 279-82)
  He and H$^-$ 1^{1}S and 2^{1}S states computed from Feynman path integrals in imaginary time, 25:9177
  KERN and PAR programs for computing scattering kernels in H$_2$O, D$_2$O, and polyethylene, 21:7625 (AEET-246)
  Monte Carlo evaluation of Feynman path integrals in imaginary time, 24:20029
  Neutron thermalization in lattices: program THERMNIL, 21:15463 (CONF-660221-, pp 291-5)
  Thermal neutron spectra in reactor lattices: program LATSP, 21:15464 (CONF-660221-, pp 296-9)
LAWANDE, Suresh Vencatesh Monte Carlo evaluation of Feynman path integrals in imaginary time, 24:20011
LAWAS, Irineo Determination of total body water with the use of tritiated water, 24:25350
LAWDEN, Derek F. Introduction to tensor calculus and relativity, 21:25218
LAWDEN, M. D. Lunar variations in F2 region at low latitudes, 23:36594
  Problems associated with overlay analysis of F1-region ionograms, 23:12656
LAWERGREN, B. Component (2s/sub $^{1}/_{2}$/) in ground states of some nuclei in 16 less than or equal to A less than or equal to 36 region, 21:21444
  Excitation of isobaric analogue states by the (d,n) reaction, 21:25471
  Excitation of isobaric analogue states in reaction ^{27}Al(d,n)^{28}Si, 22:5795
  High resolution measurement of the ^{14}C(d,n)^{15}N reaction, 21:27532
  Isobaric analog states in ^{24}Mg, ^{27}Al, and ^{28}Si, 25:10007
  Reaction ^{26}Mg(d,n)^{27}Al, 21:2676
  Some M1 transitions with Δ = 1 in ^{24}Mg, ^{27}Al and ^{28}Si, 25:28225
  Spin of the 974-keV level in ^{28}Al, 21:23454
LAWERGREN, B. T. Effect of isospin selection rule on dipole transitions in ^{24}Mg and ^{28}Si, 22:27036
  K = $^{1}/_{2}$ and K = $^{5}/_{2}$ components in ground state of ^{27}Al, 24:13319
  States with T = 1 in ^{20}Ne, ^{24}Mg, and ^{28}Si, 22:15982
LAWES, G. Nuclear container ships, 23:15703
LAWES, R. A. Laser illumination system for Hough—Powell device, 25:26509 (RHEL/R-212)
LAWFORD, Victor N. NaK-filled differential-pressure instruments for high-temperature measurements, 21:39314
LAWIN, H. Identification of μ s isomers among primary fission fragments, 25:28325 (CERN-70-30(Vol.2), pp 967-84)
  Identification of μs-isomers among primary fission products, 25:20430
  Ion-optical properties of focusing parabolic spectrograph suitable for the separation of nondecelerated fission products, 25:39777 (JUL-713-NP)
  Juelich on-line separator "JOSEF", 25:44721 (BMBW-FBK-70-28, pp 270-80)
  Mass spectrometer for the investigation of fission products, 25:44719 (BMBW-FBK-70-28, pp 241-54)
  Parabola spectrometer for the investigation of fission products, 22:28261
LAWINSKI, Marek Influence of partial resection and x irradiation of liver on latent period of hepatoma in mice, 22:31263
LAWINSTEIN, R. Sensitivity of radioisotope techniques for assay of bovine serum albumin, 23:29304
LAWIT, R. L. Re-entry of radioactive power sources, 22:30791
LAWKOWICZ, Wlodzimierz Transition from polycythemia vera to other myeloproliferative syndromes, 21:11057
LAWLER, B. E. FORE II: program for analysis of steady-state and transient reactor performance, 21:44835 (GEAP-5273)
LAWLER, Carolyn Maternal radiation and chromosomal aberrations, 23:6430
LAWLER, E. R. Jr. Prog. rpt. on chorioretinal lesions produced by thermal radiation, 10/15/65—3/15/66, 21:45775 (AD-651750)
LAWLER, John P. Utility of radioisotope methodology in estuary pollution control studies. I, 25:2348 (NYO-3961-1)
LAWLER, Ronald G. Deuterium isotope effects in the electron spin resonance spectra of naphthalene negative ions, 21:45122
  Effects of deuterium substitution on ESR spectrum of benzene negative ion, 22:45063
LAWLER, S. D. Chromosome studies in patients with polycythaemia vera after treatment with ^{32}P, 24:34246
LAWLER, Sylvia D. Chromosomes in polycythaemia vera, 21:16321
LAWLESS, J. L. Computer controlled instrumentation for plutonium measurement, 25:57897
LAWLESS, B. Optical and radio studies on extensive air showers, 25:30333
LAWLESS, F. R. Decay of 10.4-min ^{143}Gd, 21:13872
LAWLESS, J. L. Plutonium waste counter, 25:4292
LAWLESS, James Carbon, carbides, and methane in an Apollo 12 sample, 25:16742
LAWLESS, K. R. Reply to interstitial ordering in tantalum, 24:25745
LAWLESS, Kenneth R. Adsorption of O on Cu surfaces, 21:36832 (ORO-3109-5)
  Oxide formation in evaporated thin films of tantalum, 25:16401 (AD-711634)
LAWLESS, P. A. Superconducting interactions in tin telluride, 22:29427
LAWLEY, A. Deformation structure in zone-melted Mo, 23:48408
  Initial aging behavior of quenched Cu—Be alloys, 21:45911
  Prog. rpt. on microstrain region in high-purity refractory metals, 6—8/66, 21:489 (AD-639603)
  Structural aspects of fatigue in Be single crystals, 23:30097
  Work hardening and dislocation structure in Ta and Ta-base alloys, 21:20519
  Work hardening and dislocation structures in niobium single crystals, 23:33978
  Work-hardening characteristics of Ta and Ta-base alloys, 23:34003
LAWLEY, Alan Prog. rpt. on microstrain region in high purity refractory metals, 9—11/66, 21:13189 (NP-16533)
LAWLEY, K. P. Elastic scattering of alkali atoms from iodine atoms and molecules at thermal energies, 25:2922
  Radial disk velocity selector for molecular beams, 24:25335
LAWLEY, N. Angular correlation measurements on excited states of ^{43}Ca, 25:12465
  Excited states of ^{44}Ca, 25:5626
  Excited states of ^{52}Cr, 23:3993
  Metastable state at 1.64 MeV in ^{40}K, 22:27043
  Spin assignments and decay modes of low-lying states in ^{43}Sc, 23:13249
LAWN, C. J. Fully developed turbulent flow through concentric annuli, 25:29265 (RD/B/N-1878)
  Heat transfer and pressure drop performance of roughened surfaces, 25:54874 (RD/B/N-1980)
  Velocity measurements in roughened annuli, 23:31473 (RD/B/N-1278)
LAWN, D. G. Dielectric absorption of microwaves in human tissues, 22:6842
LAWNICZAK, M. Effect of high-energy irradiation on wood, 25:24672
LAWRANCE, J. J. Equilibrium distribution of actinide and lanthanide elements between molten fluoride salts and liquid bismuth solutions, 24:36362
  Reductive-extraction process for MSBR fuels, 23:35270
  Vacuum hot press for use in a glove box, 21:4677 (AAEC/TM-319)
LAWRENCE, Arthur Charles Improvements in heat exchangers, 22:226
LAWRENCE, B. R. Algorithm for calculating reactivity from neutron flux using an on-line digital computer, 24:24879 (ORNL-TM-1473)
  Mathematical model for the high flux isotope reactor reactivity calculation, 21:4380 (ORNL-TM-1472)
LAWRENCE, C. A. Disinfection, sterilization, and preservation, 22:43515
LAWRENCE, C. B. Measurement techniques for determining a system's transfer function, 24:43708 (AECL-3601)
LAWRENCE, C. P. Chemisorption of nitrous oxide by tungsten, 22:28826
  Interaction of nitrogen with tantalum, 21:4499
LAWRENCE, C. W. Dose dependence for radiation-induced allelic recombination in Chlamydomonas reinhardi, 25:24122
  Effect of fractionated doses of radiation on recombination, 22:49310
  Effect of gamma radiation and alpha particles on gene recombination in Chlamydomonas reinhardi, 25:24123
  Effect of the irradiation of different stages in microsporogenesis on chiasma frequency, 21:24382
  Influence of non-lethal doses of radiation on allelic recombination in Chlamydomonas reinhardi, 23:31694
  Influence of nonlethal doses of radiation on allelic recombination in Chlamydomonas reinhardi, 21:22383
  Radiation effects on genetic recombination in C. reinhardi, 24:21130
  Radiation-induced polygenic mutation in Arabidopsis thaliana. I, 23:20156.
  Radiation-induced polygenic mutation in A. thaliana. II, 23:33676
LAWRENCE, Cynthia A. Effect of capsule content variations on thyroid uptake results, 25:4661
LAWRENCE, D. B. Strontium-90 in maize field, cattail marsh, and oakwood ecosystems, 21:26442

LAWRENCE, D. C. 4 MeV linear accelerator for cancer therapy, 24:45626 (CONF-691101-, pp 11-20)
  Contamination of ground water by underground nuclear detonations. I, 22:21182 (HNS-9)
  Therapeutic radioactive source, 24:16797
LAWRENCE, Dennis O. Instrument for the measurement of auroral electrons and protons, 25:57790
LAWRENCE, Donald C. Therapeutic metal seed containing within a radioactive isotope disposed on a carrier and method of manufacture, 22:4662
LAWRENCE, Donald Conrad Therapeutic radioactive source, 23:2522
LAWRENCE, F. O. Beta decay of ^{144}Ce, 22:44728
  Decay of ^{243}Pu, 23:37206
  Decay of ^{245}Pu, 22:9870
  Decay of 24-min ^{146}Pr, 22:50645
  New short-lived americium beta emitters, 21:33973
  Radiochemical purification of tin and half-lives of ^{121}Sn, ^{123}Sn, ^{125}Sn, and ^{125}Sb, 21:5505
LAWRENCE, G. M. Dipole transition integrals for non-metal resonance transitions, 21:33120 (N-66-37561)
  Photoelectron spectroscopy of NH_3 and ND_3 using molecular beams, 24:38876
  Photoelectron spectrosocpy of HCl and DCl using molecular beams, 24:29290
  Radiative lifetimes by electron collision using the phase shift method, 22:41331
  Radiative lifetimes of ultraviolet multiplets in Si, P, S, O, Ne II, and Ar II, 21:6993
  Resonance transition probabilities in intermediate coupling for some neutral nonmetals, 21:20739
LAWRENCE, G. P. Absolute beam polarization determination for the LASL Lamb-shift source by the quench ratio method, 25:5453 (LA-4465, pp 10.1-2)
  Absolute beam polarization determination for LASL Lamb-shift source, 25:53473
  Analyzing power of T(d Vector,α)n reaction at low energies, 25:53556
  Analyzing power of the T(d,α)n reaction at low energies, 25:5525 (LA-4465, pp 34.1-2)
  Depolarization and emittance degradation effects associated with charge transfer in a magnetic field, 23:44766
  Lamb-shift polarized ion source for the Los Alamos Meson Physics Facility, 25:53420 (LA-DC-13017)
  Measurement of the vector and tensor analyzing power of d—^{4}He elastic scattering at 12 MeV, 25:5553 (LA-4465, pp 25.1-2)
  Measurements of neutron polarization from D(d Vector,n Vector)^{3}He reaction, 25:53545
  Neutron polarization in T(d,n)^{4}He reaction, 25:53558
  Neutron polarization in the T(d,n)^{4}He reaction using a polarized incident beam, 25:5513 (LA-4465, pp 12.1-2)
  Performance of LASL polarized source, 25:53468
  Performance of the LASL polarized source, 25:5452 (LA-4465, pp 9.1-2)
  Polarization transfer in reaction T(p,n)^{3}He at 0° for E/sub p/ in range 3 to 16 MeV, 25:59695
  Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:5806 (LA-4465, pp 27.1-6)
  Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:53859
  Precise proton-polarization standards determined with Lamb-shift ion source incorporating nuclear spin filter, 25:48019
  Proposal for a Lamb-shift polarimeter, 25:4391 (LA-4465, pp 17.1-6)
  Proposal for Lamb-shift polarimeter, 25:53474
  Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:5802 (LA-4465, pp 11.1-2)
  Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:53860
  Source of polarized negative hydrogen and deuterium ions, 23:21208
  Study of ^{3}He(d,d)^{3}He scattering at 10 and 12 MeV, 25:5520 (LA-4465, pp 24.1-2)
  Study of the ^{3}He(d,p)^{4}He reaction, 25:5512 (LA-4465, pp 6.1-2)
  Vector and tensor analyzing power of d—^{4}He elastic scattering at 12 MeV, 25:53583
LAWRENCE, Geoffrey Albert Mineral mining machines, 21:1666
LAWRENCE, George M. Branching ratios and transition probabilities in Fe I, 25:24807
  Dissociative excitation of oxygen-containing molecules, 24:37252
  Oscillator strength of molecular H (4,0) Lyman band, 22:41336
  Ultrashort-period stellar oscillations. I, 21:33048
  Ultrashort-period stellar oscillations. III, 23:20575
LAWRENCE, George P. Design of a solenoid for a Lamb-shift polarized-ion source, 23:22116 (LA-4082)
  Nuclear spin filter, 22:32483
  Operation of a radio-frequency nuclear spin filter, 23:37038 (LA-4112)
  Polarization transfer in reaction T(d,n)^{4}He at 0° from 3.9 to 15 Mev, 24:52413
  Preliminary measurements of neutron polarization from the D(d,n)^{3}He reaction using a polarized incident beam, 25:5514 (LA-4465, pp 13.1-2)
  Reaction D(d,n)^{3}He at 0° with polarized beam, 25:43789
LAWRENCE, J. Characteristics of thermionic converter with fluoride vapor deposited W emitter, 24:3216 (N-69-35689)
  Variable spaced planar thermionic converter with tungsten emitter and niobium collector, 22:45982 (N-68-23476)
LAWRENCE, J. C. Effect of light from a ruby laser on the metabolism of skin in tissue culture, 22:30962
  Effect of microwaves on guinea-pig skin. I, 22:51982
  Effect of microwaves on guinea-pig skin. II, 23:2941
  Effect of microwaves on guinea-pig skin. III, 24:27545
  Effect of pulsed microwaves on skin metabolism, 24:614
  Effect of ruby laser on white guinea-pig skin in tissue culture, 24:2794
  In vitro studies of skin after irradiation by a ruby laser, 22:31234
LAWRENCE, J. D. Jr. Optical radar measurements of the atmosphere, 21:27054 (NASA-CR-729)
LAWRENCE, J. Dennis Introduction to LRL text editing system, 24:4193 (UCRL-50682)
  Physiology of Publisher program, 24:2086 (UCRL-50685)
  User's guide to publisher alter program, 23:52517 (UCRL-50684)
  User's guide to publisher program, 23:52516 (UCRL-50683)
LAWRENCE, J. H. Cobalt-58 and ^{65}Zn-hematoporphyrin complexes in canine lymph-nodes, 24:11915
  Effect of negative pions on proliferative capacity of ascites tumor cells (lymphoma) in vivo, 22:31220
  Heavy particle radiations, 21:10967
  Negative pions on proliferative capacity of ascites tumor cells (lymphoma) in vivo, 22:33903 (ORO-3343-1, Paper 4)
  RBE of negative pions in 2-day-old ascites tumors, 25:26938
  Whole-body scanning of ^{59}Fe, 24:12138
LAWRENCE, J. J. Effect of environment on the absorption spectra of Pu(VI) ions, 22:27650
LAWRENCE, J. Jr. Electrometer for use in space instruments, 21:1575
LAWRENCE, J. K. Focusing of gravitational radiation by the galactic core, 25:43700
  Rarita—Schwinger fields in general relativity, 24:52204
LAWRENCE, J. R. Whole-body counter for studies of total body K, 25:10910
LAWRENCE, James L. Jr. Instrument for the measurement of auroral electrons and protons, 25:57790
LAWRENCE, James N. P. Symmetric fission of a two-parameter liquid drop, 22:30046 (LA-3774)
LAWRENCE, James Neville Peed Symmetric fission of a two-parameter liquid drop, 23:23807
LAWRENCE, John H. Advances in biological and medical physics. XII, 23:50822
  Delayed radionecrosis of the central nervous system, 23:8022 (UCRL-18066, pp 173-92)
  Effect of negative pions on the proliferative capacity of ascites tumor cells (lymphoma) grown in vivo, 22:23418 (UCRL-17481, pp 145-53)
  Evaluation of ^{111}Ag, ^{113}Sn, ^{90}Yt, and ^{109}Pd hematoporphyrin complexes for selective lymphatic irradiation, 24:29698 (UCRL-18793, pp 73-9)
  Heavy particle radiosurgery in Cushing's disease, 23:8023 (UCRL-18066, pp 193-8)
  Heavy particles in experimental medicine and therapy, 21:3429
  Heavy particles in neurology and neurosurgery: a review, 25:572
  Leukemia in polycythemia vera, 23:38740
  Localization of ^{58}Co and ^{65}Zn hematoporphyrin complexes in canine lymph nodes, 24:29697 (UCRL-18793, pp 64-72)
  Measurement of the effects of x rays and helium ions on the proliferative capacity of lymphoma ascites tumor cells in vivo, 23:8055 (UCRL-18066, pp 151-65)
  Oxygen enhancement ratio and RBE of helium ions on mouse lymphoma cells, 24:9911
  Prog. rpt. on biology and medicine, Fall 1966, 21:12952 (UCRL-16898)
  Prog. rpt. on biology and medicine, semiannual, Spring 1967, 22:23416 (UCRL-17481)
  Prog. rpt. on biology and medicine, semiannual, 1967, 23:7934 (UCRL-18066)
  Prog. rpt. on biology and medicine, semiannual, 1968, 23:29314 (UCRL-18347)
  Prog. rpt. on biology and medicine, semiannual, Fall 1968, 24:29776 (UCRL-18793)
  Prog. rpt. on biology and medicine, semiannual, 1969, 24:34030 (UCRL-19420)
  Prog. rpt. on heavy-particle therapy in Cushing's disease, 24:29821 (UCRL-18793, pp 135-9)
  Progress in atomic medicine. II, 23:16354
  Radiobiological studies with heavy particles as related to therapy, 22:12892
  Relative biological effectiveness of negative pions in 2-day-old ascites tumors, 24:29845 (UCRL-18793, pp 105-12)
  Significant difference in mammalian-cell polyploidy induction between plateau and "star" regions of negative pion beam, 21:12809 (UCRL-16898, pp 11-13)
  Some early studies with the products of nuclear physics, 21:17786
  Successful treatment of acromegaly: metabolic and clinical studies in 145 patients, 24:41940
  Whole body scanning of ^{59}Fe in evaluation of body distribution of erythropoietic marrow, 23:29609 (UCRL-18347, pp 10-22)
  Whole-body marrow distribution studies in polycythemia vera, 24:29788 (UCRL-18793, pp 118-27)
LAWRENCE, John K. Fermions in general relativity, 25:9879
  Scattering of neutrinos by linearized Schwarzschild metric, 25:30242
  Trajectories of particles with spin in a linearized gravitational field, 24:47509
LAWRENCE, John Keeler Classical scattering of gravitational waves by a massive particle, 25:7737
LAWRENCE, Knowles B. Extrinsic laryngeal carcinoma: clinical evaluation, 22:28692
LAWRENCE, L. A. FFTF criticality safety system: underwater examination facility design evaluation, 22:12090 (BNWL-595)
  FFTF criticality safety system: using soluble poison for criticality control, 22:12089 (BNWL-594)
  Fuel-clad gap conductance in fast reactor oxide fuels, 25:5999
  Melting heat rating of UO_2—25 wt. percent PuO_2 fuels, 24:7126
  Melting heat rating of UO_2—25 wt. percent PuO_2 fuels, 25:60243
  Molybdenum distribution in irradiated oxide fuels, 25:4804
  Molybdenum distribution in irradiated oxide fuels, 25:4891
  Molybdenum distribution in irradiated oxide fuels, 25:18247 (WHAN-SA-96)
  Restructuring effects on oxide fuel temperature distributions, 25:41420
  Restructuring effects on oxide fuel temperature distributions, 25:45149 (HEDL-SA-71)
  Shipping container for non-irradiated fissionable material, 25:6516 (BNWL-CC-1546(Rev.2))
LAWRENCE, L. C. Extinction law in the Magellanic Clouds, 24:17594
LAWRENCE, M. J. Application of aerial gamma radiation spectrometry in Australian mineral exploration, 23:45418 (CONF-690815-1)
LAWRENCE, P. E. Probable upper limit of H/sub c2/ for some higher-order ductile transition-metal superconducting alloys, 21:16886
LAWRENCE, R. Size of Jupiter's decametric radio source, 22:4965
LAWRENCE, R. A. ASTR loss of fluid coolant test, 21:10211
LAWRENCE, R. J. Strain hardening and strain rate in one-dimensional wave propagation calculations, 25:12909 (SC-RR-70-471)
  WONDY IIIa: computer program for one-dimensional wave propagation, 24:50297 (SC-DR-70-315)
  WONDY IIIa: computer program for one-dimensional wave propagation, 24:50300 (SC-M-70-587)
LAWRENCE, R. S. Ionospheric electron content at midlatitudes, 23:44332
LAWRENCE, Robert H. Jr. Kinetics of thermal deuterium atom reactions with methane and ethane, 21:104
LAWRENCE JOHN H. Leukemia in polycythemia vera: relationship to splenic myeloid metaplasia and therapeutic radiation dose, 23:29825 (UCRL-18347, pp 1-9)
LAWRENCE R. E. TDC code, 22:15926 (TIM-847)
LAWRENCH, George M. H_2 Lyman-band oscillator strengths, 23:12535
LAWRENSON, I. J. Determination of purity by nuclear magnetic resonance, 22:46236
LAWRIE, J. A. Hydromagnetic waves and the lower ionosphere, 23:27490
LAWRIE, R. A. Treatment of meats with ionizing radiations. VIII, 21:24700
LAWRIE, W. E. Ultrasonic nondestructive coating evaluation, 22:23240
LAWROSKI, H. Operating experience with EBR-II, 23:47207 (ANL-7520(Pt.2), pp 24-38)
LAWROSKI, Harry Design and performance of ZPPR, 24:26811
  Magnetic-signaled automatic fuel-surveillance system, 22:4511
  Zero-Power Plutonium Reactor facility, 21:8095
LAWROSKI, S. Review of the goals, methods, and techniques of nuclear materials safeguards, 25:37558 (A/CONF.49/P-98)
LAWROSKI, Stephen Reactor Fuel Processing. Vol. 9, No. 4, 21:14307
LAWRUK, B. Mathematical models of radioisotope renography, 24:7946
LAWRYNOWICZ, Julian Analytic continuability of wave functions, 21:21108
LAWS, D. Radiation measurements around Nimrod 7 GeV extracted beam, 21:44471 (NIRL-M-82)
  Shielding measurements using Nimrod external proton beam, 23:3865 (RHEL/M-112)
LAWS, J. F. Some effects of ionizing radiation on aqueous solutions of β-lactoglobulin, 21:41313 (AERE-R-3860)
LAWS, R. B. Semi-remotely maintained plutonium reclamation facility, 21:6108
  Semi-remotely maintained plutonium reclamation facility, 21:6490 (ISO-SA-14)
LAWSON, A. C. Electrical resistivity of UPt, 25:3215
  More soft superconductors: ZrV_2 and HfV_2, 25:45417
  Superconductivity and normal-state properties of Th—U alloys, 25:9389
  Superconductivity of the fcc transition metals, and of their alloys, and fcc carbides, 25:14148
LAWSON, A. J. Primary isotope effects for aromatic nitrosation, 25:101
LAWSON, A. W. Magnetocrystalline anisotropy of europium sulfide, 22:7397
LAWSON, B. L. Solution of the (n,n',γ) transport problem in C: Monte Carlo, 21:42530
LAWSON, Bobby L. Neutron-gamma ray well logging apparatus employing spaced gamma ray detectors, 25:32292
LAWSON, C. G. Analysis of heat-transfer data for spray-cooled rods, 22:10493
  Behavior of simulated fuel rods in a depressurization loss-of-coolant accident, 24:33372
  Emergency core-cooling systems for light-water-cooled power reactors, 23:4274 (ORNL-NSIC-24)
  Enhanced heat-transfer tubes for horizontal condensers with possible applications in nuclear power plant design, 21:6138
  Heat transfer from electrically heated rods during a simulated loss-of-coplant accident, 25:60114 (CONF-711103-1)
  Simulation of fuel rod behavior in light water reactor loss-of-coolant and pressure accident, 24:36046 (CONF-700608-15)
LAWSON, D. Determination of indium and thallium in zinc and zinc salts, 21:12310
  Dry storage of irradiated fuel, 21:41189
  Investigation of material transfer by neutron activation analysis, 24:154
  Neutron activation analysis of Roman coins, 24:130

- LAWSON, D. S. Handling of fuel and reactor components in gas cooled reactors, 25:53901 (A/CONF.49/P-470)
  - Hinkley Point A, 24:52779
  - Proposals for advanced gas-cooled reactor refuelling machinery, 24:52939
  - Refuelling gas-cooled reactors, 24:28864
- LAWSON, David Gamma-irradiation effects on ammonium perchlorate, 24:20820
- LAWSON, Donald B. Superconducting gyroscope: drift data and mathematical model, 22:12695
- LAWSON, Donald Stuart Refuelling machine for a nuclear reactor, 25:37151
- LAWSON, Donald Wilfred Nuclear reactors, 21:46915
- LAWSON, E. M. Further experience with Ge(γ) detectors, 25:48965
  - Gamma-ray compensated germanium detectors, 24:22980 (AAEC/TM-527)
  - Large volume, multi-element Ge(Li) spectrometer, 25:23832 (AAEC/TM-572)
  - Operation near liquid helium temperature of a gold-barrier hyper-pure germanium detector for gamma rays, 25:32206 (AAEC/TM-584)
- LAWSON, J. C. Angular correlations studies in $^{32}S(^{3}He,p\gamma)^{34}Cl$, 25:56712
- LAWSON, J. D. Beam measurements during commissioning of Harwell variable energy cyclotron, 12/65-8/66, 21:19096 (RHEL/R-135)
  - Beam measurements in the Harwell variable energy cyclotron, 21:38075
  - Build-up of radial oscillations induced by first harmonic field errors in a cyclotron, 21:17249
  - Buildup of electron oscillation amplitude in ring if the Q/sub R/ = 1 resonance is crossed, 22:46614 (UCRL-18103, pp 301-3)
  - Criterion for electrons to pull away from ions when crossing the rf gap, 22:46625 (UCRL-18103, pp 379-82)
  - Dynamics of high-current electron ring beams in time-varying magnetic field, 23:37051
  - Effect of trapped ions on Q-values at injection, 22:46613 (UCRL-18103, pp 298-300)
  - Electron ring accelerators a cheap path to very high energy protons, 22:26747
  - Radiation from relativistic electron rings passing through cavities, 24:35784
  - Relativistic kinematics, 22:46602 (UCRL-18103, pp 224-7)
  - Some attributes of real and virtual photons, 25:3331
  - Some limitations in relativistic charged particle beams, 24:26570
  - Some useful parameters, 22:46595 (UCRL-18103, pp 184-5)
  - Space charge and vertical motion near the centre of the cyclotron, 22:50501
  - What is the axial extent of the ring, and the field available to accelerate the ions, 22:46624 (UCRL-18103, pp 376-8)
- LAWSON, K. D. Mesomorphic phases. I, 22:33344
  - Mesomorphic phases. II, 22:33343
- LAWSON, L. J. Jr. Ophthalmological aspects of carcinoma of the sphenoid sinus induced by radium poisoning, 23:29820 (ACRH-30, pp 92-6)
- LAWSON, Maurice Electrofluid dynamic energy conversion, 23:20736 (AGARDograph-122)
- LAWSON, Maurice O. Generation of ions in high-pressure high-velocity gas stream, 24:3224
  - Investigation on power generation using electrofluiddynamic processes, 21:41871
  - Ion generation by corona discharge for electrofluid energy conversion processes, 22:19834
  - Performance characteristics of electrofluiddynamic energy conversion processes employing viscous coupling, 22:19832
- LAWSON, Melvin E. Jr. Prog. rpt. on Automatic Remote Radiological Monitoring System, final, 7/66, 21:41060 (AD-647350)
- LAWSON, P. A. Exchange diagrams in the theory of nuclear matter, 23:21382
  - Four-body correlations in nuclear matter, 22:7749
  - Two-body and three-body correlations in nuclear matter, 24:30920
- LAWSON, P. G. High spin states in ^{19}F, 24:3868
  - Radiative width of the 3.09-MeV state of ^{13}C, 22:13935
- LAWSON, R. Practical examples of cylindrical waves in power plants, 22:7845
- LAWSON, R. C. Experimental appraisal of the validity of neutron dosimetry theory in radiation protection, 21:1769
  - LET distribution of recoil proton dose from neutrons, 21:20188
  - LET distribution of the recoil proton dose from poly-energetic neutron sources, 23:875
  - Neutron depth dose measurements in a tissue-equivalent phantom, 21:20189
  - Neutron dosimetry in the in vivo measurement of intrathyroidal iodine in man by activation analysis, 24:709
  - Recoil proton dose at a bone-tissue interface irradiated by fast neutrons, 22:516
  - Thermal neutron depth dose dependence on beam and phantom size for incident collimated beams of fast neutrons, 21:24415 (PG-Report-774)
  - Validity of neutron dosimetry theory in radiation protection, 21:43279
- LAWSON, R. D. E2 transitions in nuclei, 22:44765
  - Electric-quadrupole isomers in ^{90}Nb and ^{93}Tc, 25:39046
  - M2 transitions in nuclei, 21:44583
  - Nuclear structure calculations, 22:42094 (ANL-7439)
  - Nuclear structure calculations, 23:19349
  - Predictions for ^{6}Li based on the Hamada—Johnston potential, 24:43143
  - Shell model of the nickel isotopes, 21:40506
  - Shell-model calculations, 22:20742
  - Shell-model matrix elements from a realistic potential, 23:43005
  - Shell-model study of isotopes of O, F, and Ne, 22:11908
  - Spectra and the effects of correlations in A = 6 nuclei, 25:15186
  - T = 1 effective interaction in sd shell, 22:42126
- LAWSON, R. P. W. Inert gas ion bombardment-induced work function changes in polycrystalline tungsten and gold ribbon, 22:44260
- LAWSON, Rommon L. Effects of single, continuous, and fractionated gamma irradiation on semen quality in albino rats, 22:10868
- LAWSON, Roy Acoustic transducers, 23:9823
- LAWSON, V. B. Effect of neutron irradiation on Ni-containing alloys, 21:34927 (AECL-2677)
- LAWTHER, K. Use of the coefficient of resistivity of a material to provide rapid power transients, 25:48233 (AEEW-M-937)
- LAWTHER, K. R. Measurement of local heat transfer from a sphere in an array, 21:43176
  - Radial heat transfer at the wall in packed beds, 22:230 (AAEC/TM-389)
- LAWTON, C. W. Design of heated cylindrical pressure vessels in transient creep, 24:5775
- LAWTON, H. Irradiation behaviour of plutonium-bearing ceramic fuel pins, 22:17189
  - Irradiation testing in fast reactors in United Kingdom, 24:40893 (TRG-Report-1911, pp 13-25)
  - Irradiation testing of fuel for the British prototype fast reactor, 25:54089 (A/CONF.49/P-498)
- LAWTON, J. Flames augmented by inductive coupling of electrical energy, 25:40658
- LAWTON, Robert G. ROVER fuel element thermal stress experiments and analyses, 23:31209 (LA-DC-10116)
- LAX, B. High magnetic field physics, 24:23946
- LAX, Benjamin Instability in superconducting magnets, 25:25075 (MIT-3700-14)
  - Physics with high magnetic fields at National Magnet Laboratory, 22:21243
  - Prog. rpt. on physics, 11/1/64—12/31/66, 21:42015 (AD-647421)
- LAX, Louis C. Spinal fluid appearance of /sup 99m/Tc pertechnetate, 23:50700
- LAX, Melvin Fluctuation and coherence phenomena in classical and quantum physics, 25:27947
- LAX, Peter D. Decay of solutions of systems of hyperbolic conservation laws, 23:37854 (NYO-1480-115)
  - Integrals of nonlinear equations of evolution and solitary waves, 22:30407 (NYO-1480-87)
- LAXAGUE, Jean Failed element detection in nuclear reactors, 25:23419
  - Improvements in or relating to ionisation chambers, 22:23339
- LAXDAL, Stefan Conventional scanning vs. scintillation camera, 21:8862
- LAXEN, P. A. Dissolution of U metals from South African ores in acid solutions, 21:24089 (PEL-121(Vol.5), pp 434-75)
  - Dissolution of UO_2 as an electron transfer reaction, 25:23555
  - Dissolution of UO_2 as an electron-transfer reaction, 25:31891 (NIM-1031)
  - Feasibility of U—Au leaching process, 21:24090 (PEL-121(Vol.5), pp 476-90)
  - Kinetic study of the dissolution of uraninites in sulphuric acid, 22:33519
  - Prog. rpt. on extraction metallurgy, 12/65, 21:24088 (PEL-121(Vol.5))
  - Zero point of charge of uranium dioxide and uraninite, 22:51107 (NIM-44)
- LAXMI, P. V. Genotypic control of response to radiation of Eleusine coracana, 25:39964
- LAXMI, Shobhay Calculation of stability constants of complexes, 23:139
  - Relation between ultrasonic velocity and viscosity in aqueous solutions of electrolytes, 21:1368
- LAXMINARAYANA, H. Induction of mutation in Streptococcus diacetilactis by nitrosoguanidine and ultraviolet irradiation, 25:27121
- LAXMINARAYANAN, T. S. Acetic acid as eluting agent for Pu(IV), 23:376
  - Analysis of Pu. I, 24:50337 (CONF-690916-(Vol.2), pp 244-51)
  - Preparation of plutonium—beryllium alloy neutron source, 22:5707 (BARC-294)
  - Use of U(IV) as reductant for Pu in Purex process, 23:45241 (BARC-375)
- LAXTON, J. W. MHD plant, combustion techniques, and seeding. XVII, 22:5200
  - Some aspects of chemistry of MHD seed, 21:37242
- LAY, C. M. Fringes-to-inches converter for interferometric measurement and control, 23:13610 (Y-1655)
- LAY, K. W. Conference on fundamental properties of materials in nuclear fuel assemblies, Schenectady, N. Y., 8/68, 23:34037
  - Dielectric and anelastic relaxation in Ca-doped CeO_2, 25:22638
  - Grain growth in $UO_2—Al_2O_3$ in the presence of a liquid phase, 22:45824
  - Initial sintering kinetics of hyperstoichiometric uranium dioxide, 25:24624
  - Oxygen chemical diffusion coefficient of uranium dioxide, 24:42244
  - Sintering of UO_2, 23:34096
  - Surface-controlled oxidation-reduction of UO_2, 24:42182
  - Time and length corrections in diffusion-controlled sintering, 23:27169
- LAY, P. M. Estimation of changes in water status of soils under field conditions from attenuation of β radiation by water held in absorbent nylon pads, 22:48938
- LAYCOCK, A. Effect of γ irradiation on microbial spoilage patterns on fish, 25:24497
- LAYCOCK, R. A. Pseudomonads and achromobacters in the spoilage of irradiated haddock of different preirradiation quality, 25:6824
- LAYCOCK, William Improvements relating to nuclear reactor control element operating mechanisms, 22:25182
- LAYDEN, G. ANb_2O_6 and ATa_2O_6 phases, 22:47713
- LAYDEN, G. K. Perovskite fields in portions of the systems $BaO—LuTaO_4—B_2O_3$, $BaO—YTaO_4—B_2O_3$, and $BaO—LaTaO_4—B_2O_3$, 22:4892
  - Polymorphism of $BaTa_2O_6$, 23:27190
- LAYLEE, A. M. Plutonium-contaminated wound, 22:33807 (AEEW-M-613(Rev.1))
- LAYMAN, J. W. Use of an electronic integrator to control the magnetic field in a beta spectrometer, 21:45409
- LAYMAN, R. W. Nonlinear perturbations and electron scattering in a beam plasma, 25:27703
  - Scattering of electrons by electrostatic fluctuations in a magnetized plasma, 25:27699
- LAYMAN, W. H. Status of thermal reactor fuel manufacture in the United States, 25:39130 (A/CONF.49/P-62)
  - Utilization of a zoned loading of plutonium fuel in the Saxton reactor, 22:6023
- LAYMON, Carl W. Radiodermatitis, 23:43892
- LAYNE, C. B. X-ray spectra from argon—argon collisions, 24:26013
- LAYNE, D. S. Radioactivity in the milk of subjects receiving radioactive 19-norsteroids, 21:10781
- LAYNER, D. I. Conductivity of ultrathin films obtained by vaporizing tantalum in a vacuum, 23:14346
- LAYNG, R. B. Magnetic damping in terbium, 22:41676
- LAYNO, Salvador B. Generalized space-point estimator for Monte Carlo calculations, 21:38171
  - Multiple scaling: its theory and application to neutron-transport problems, 21:7653
  - Spectral estimation and multiple scaling, 21:7646
- LAYSON, R. P. W. Thermal re-emission of inert gas atoms in W and Au, 21:45330
- LAYSON, W. M. Polarization and angular distributions of Σ^0 from $\pi^- p \to K^0\Sigma^0$ near 1.3 GeV/c, 21:25243
- LAYSSAC, J. Multipion production in e^+e^- collisions, 25:25366
- LAYTON, Bobby Ray Tritium in atmospheric hydrogen and atmospheric water, 24:9490 (TID-25285)
- LAYTON, J. K. Collisions of Al and Fe ions and atoms with gases in energy range 5 keV to 2.5 MeV, 21:39827
  - Excitation effects of Fe^+ in high-energy collisions, 21:41782
- LAYTON, J. P. Fast reactor systems for secondary space power, 23:49603 (UCRL-71149)
- LAYTON, James K. Vacancies and interstitial clusters in irradiated graphite, 24:39729
- LAYTON, M. M. Nucleation and crystallization of $NaNbO_3$ from glasses in the $Na_2O—Nb_2O_5—SiO_2$ system, 21:36936
- LAYZER, A. Superfluidity of low-density fermion systems, 22:11341
- LAYZER, Arthur Lowest-order correction to many-fermion vertex function, 21:26983
  - Superconducting pairing tendency in nearly ferromagnetic systems, 25:40538
- LAYZER, D. Black-body radiation in a cold universe, 22:17313
  - Sporadic E in middle latitudes: a reply, 21:27065
- LAYZER, David Acceleration of ultrarelativistic electrons and nuclei in nonthermal radio sources, 23:48641
  - Annual review of astronomy and astrophysics. VII, 23:44027
  - Cosmic evolution and thermodynamic irreversibility, 25:58672
  - Delayed evolution of stars in clusters, 21:31162
  - Formation of astronomical systems in an expanding universe, 21:31157
  - Nature of pulsars, 23:1100
  - New theory of mid-latitude sporadic E, 23:44346
  - Origin of ultrarelativistic cosmic ray particles, 21:27024
  - Stability of a collapsing gas cloud against fragmentation, 21:31187
  - Theoretical atomic transition probabilities, 22:45953
  - Unified approach to cosmology, 21:540 (NYO-3164-2, Lect. 4)
- LAZAK, D. Data processing in high energy physics evaluation of bubble-chamber pictures. II, 24:36624
- LAZAKOV, V. N. Pulse generator, 22:6686
- LAZANOFF, Arthur Neutron spectrometry: operation HENRE (Program 6), 24:4421 (CEX-65.60)
- LAZANOFF, Arthur S. Feasibility study of using LiF detectors in neutron flux integrator, 23:33535 (HASL-206)
- LAZANYI, A. Effect of SG in γ-irradiated G_1 and G_2 cells, 22:51543
  - Effect of sulfaguanidine and p-nitrobenzoic acid on loss of genetic material by γ, X, and β irradiation in Vicia faba, 23:50450
  - Non-randomness in distribution of γ-ray-induced gaps between chromosomes, 24:2641
  - Radioprotective sulfanilamides, 21:6524
- LAZAR, A. F. Effects of x radiation and radial acceleration on rabbits, 24:7733
- LAZAR, Alan H. United States light water reactors: present status and future prospects, 25:39206 (A/CONF.49/P-34)
- LAZAR, C. Analytical chemistry of Os and Ru. IX, 24:41183
- LAZAR, N. H. DCX-2 microinstability studies, 22:52827 (CONF-671127, pp 98-143)
  - Effect of electron heating on overall efficiency of conceptual mirror fusion reactors, 24:24079 (ORNL-TM-2945)
  - Effect of electron heating on overall efficiency of conceptual mirror fusion reactors, 25:36088
  - Electron cyclotron heated target plasma experiments, 23:32322
  - Low density cyclotron instability in a two-component electron plasma, 24:51[illegible]07
  - Report of INTEREM data system, 24:32814 (ORNL-4425)
  - Target plasma experiments in INTEREM facility, 22:52724 (CONF-671127, pp 77-97)
  - Target plasma program, 21:27198 (ORNL-4080)

  - Use of a hot-electron target plasma for accumulation of energetic ions in stabilized magnetic mirror traps, 25:38363 (CONF-710607-92)
- LAZARD, C. Absorption of positive pions by deuteron, 24:10789
  - Absorption of positive pions by deuteron, 24:52406
  - Pion absorption on ^{4}He, 24:1618
- LAZARD, L. Restoration of regenerative capacity in irradiated axolotl limbs by grafts of different heterotopic tissues, 22:52010
- LAZARD-MARTINET, Christiane Absorption of pions in flight by very light nuclei, 24:52113 (NP-18446)
- LAZARE-CHOPARD, G. Thermoelectronic converters for reactors, 23:45089
- LAZARE-CHOPARD, Gilbert In-pile experimental device for Sirene thermionic converters, 23:51413 (CEA-R-3867)
- LAZARENKO, B. A. Investigation of coherent phase self oscillations in storage rings, 21:33820
  - Investigations on the self-maintained coherent oscillations in the storage ring, 22:11812
- LAZARENKO, B. L. Beam control system of the electron storage ring VEP-1, 21:29742
- LAZARENKO, B. R. Some characteristics of the alloying of metallic surfaces in vacuum, 25:638
- LAZARENKO, L. A. Dispersion sum rule for eta^{0} meson photoproduction, 22:50323
  - Electroproduction of higher baryonic resonances and SU(6)W symmetry, 22:35058
  - Polarization effects in the reaction $\gamma + p \rightarrow p +$ eta^{0}, 21:2414
  - Sum rules and field algebras, 25:38709
  - Sum rules for the field algebra for rho^{0}-meson photoproduction, 23:27775
- LAZARENKO, L. F. End effects in linear induction MHD machines, 25:45333
  - Longitudinal edge effects in linear induction magnetohydrodynamic machine, 25:45338
- LAZARENKO, N. I. Some characteristics of the alloying of metallic surfaces in vacuum, 25:638
- LAZARENKO, V. R. Double β decay and neutrino properties, 22:7747
  - Plastic boron-containing scintillators, 23:31531
- LAZARENKO, Yu. P. Effect of electron—phonon interaction on high-frequency of superconductors, 22:50122
- LAZARESCU, G. A. Kinetic parameters determination in a natural uranium-light water lattice by the pulsed source technique, 25:60166
- LAZARETTO, Gianfranco Process for solidifying radioactive wastes by addition of lime to precipitate fluoride, 25:21139
- LAZAREV, A. F. Handbook of recording instruments for ionizing radiation, 21:17822 (AEC-tr-6709)
- LAZAREV, A. I. Determination of molybdenum(VI) by kinetic method with use of selenate ions, 22:16425
- LAZAREV, A. V. Effect of Doppler broadening on line shape of spontaneous radiation, 25:14050
- LAZAREV, B. G. Anomalous behavior of the superconducting transition temperature of lead with a distorted crystal lattice, 25:58933
  - Creep of indium in normal and superconducting states, 25:7346
  - Critical current behavior in wires of superconducting niobium-base alloys, 22:24197
  - Critical magnetic fields of superconducting amorphous modifications of beryllium and bismuth, 25:33198
  - Dimensional effect in magnetization of strong superconductors, 25:27644 (KHFTI-70-8)
  - Effect of the degree of deformation of the crystalline lattice of indium on its superconductivity, 22:34560
  - Effects of the degree of metal lattice deformation on the superconductivity of the metal, 21:37383
  - Electric resistance minimum of lutetium films, 23:23262
  - Influence of the superconducting state on the creep of metals, 24:32764
  - Investigation of the superconducting properties of alloys with a niobium base, 22:31766
  - Minimum of the electrical resistance of Fe, Cu, Lu, and Tm layers, 24:21890
  - Peculiarity of superconducting modification of bismuth, 24:17861
  - Phase diagram of the niobium—tin system, 21:9514
  - Size effect on magnetizing hard superconductors, 24:21719
  - Superconducting laboratory solenoid of 112 kiloersteds made of wire of deformed alloys, 23:42152
  - Superconductivity of V_3Ga, 21:9517
  - Topological peculiarities of electron spectra in superconducting metals, 22:13395
  - Width of homogeneity region of intermetallic phases in Nb—Sn and V—Ga, 21:3775
  - X-ray structural investigations of superconducting alloys with niobium as the base, 21:5231
- LAZAREV, E. M. Creep of multicomponent alloy of niobium, 24:1006
  - Effects of diffusion interaction components on niobium—titanium alloys, 25:35325
  - Investigation of self-diffusion in systems Nb—V, V—Pd, and Pb—Nb, 25:37963
  - Investigation of the oxidation of alloys of niobium with vanadium and molybdenum, 23:10165
  - Oxidation of Nb alloyed with V, Ti, and Zr, 22:2581
  - Phase transformations in thin films of ZrO_2—SiO_2 and HfO_2—SiO_2, 25:38030
  - Structure and mechanical properties of the alloys of the Nb—V—Ti system, 21:18244
  - Studies of heat-resistance of binary Nb alloys with W, V, and Ti, 22:10993
- LAZAREV, K. F. Direct method for determining small quantities of radon in natural waters by means of preliminary concentration on activated carbon, 21:4443
  - Geochemical balance of radioactive elements in Black Sea and Azov Sea, 21:4635
  - Geochemical balance of radioactive elements in basin of Black and Azov seas. II, 24:19117
  - Geochemistry of Ra isotopes in Black and Azov seas and some estuaries, 21:4638
  - Natural radioactivity of the waters and sediments in the Black Sea and the Sea of Azov, 21:8474 (AEC-tr-6641, pp 10-13)
- LAZAREV, L. M. Determination of the scattering matrix elements in presence of a three-particle channel, 22:14098
  - Energy dependence of scattering cross section near the threshold of three-body reactions, 21:44448
  - Experimental reconstruction of scattering amplitude of spin $^{1}/_{2}$ particles on spinless nuclei in presence of three-particle channel, 22:35409
  - Scattering of unstable particle, 25:45823
  - Three-particle nuclear reactions and the complete experiment, 21:17401
  - Two-particle resonance scattering in three-particle reactions, 25:36837
- LAZAREV, N. F. Production of negative hydrogen ions in a plasma with a double sheath, 25:35843
- LAZAREV, N. V. Adjustment of acceleration conditions and beam parameters of linear accelerator I-12, 22:7571 (ITEF-513)
  - Adjustment of acceleration conditions and beam parameters of I-2 linear accelerator, 22:32312 (CEAL-2000, pp A1-7)
  - Adjustment of acceleration conditions and beam parameters of linear accelerator I-2, 22:44526 (ANL-Trans-653)
  - Linear proton accelerator I-2. III, 22:32403
  - Linear proton accelerator I-2. VII, 22:32416
  - Linear proton accelerator. XI, 22:32397
  - Proton linac (25 MeV), 22:32316 (CEAL-2000, pp A30-1)
  - Regulator for high voltage capacitor bank, 25:28108 (ITEF-761)
  - Startup of 25-MeV, rigid-focusing linear proton accelerator, 21:33821
  - Thyristor voltage stabilizer for a 40-kV modulator, 25:31067
- LAZAREV, P. P. General analysis of optimum MHD generator with constant cross-sectional area of the channel, 24:47064
  - General analysis of optimum MHD generator with constant duct cross section. II, 25:45331
  - Linearized analysis of Prandtl—Meyer MHD flow, 22:52589
  - Optimum MHD generator with constant channel cross section, 22:9137
- LAZAREV, V. A. Diffusion of Cu in Fe and Fe—Mo alloys, 23:36083
- LAZAREV, V. B. Diffusion of antimony into germanium influenced by radiation of ^{124}Sb isotope, 23:43302
  - Tensile strength of some metal melts in wide range of temperatures, 21:43609
- LAZAREV, V. I. Absorption of the energy of an electron beam in the upper atmosphere, 22:15475
  - Corpuscular flow and heating of the electron gas at E-layer altitudes, 25:9341
  - One of the possible mechanisms of formation of thin sporadic ionospheric layers, 21:5186
- LAZAREV, Yu. A. Atomic absorption analysis of rubidium, 22:30459
  - Identification of elements 102 and 104 by collimation method, 24:49866
  - Identification of elements 102 and 104 with the help of the collimation method, 25:10030 (KFK-tr-329)
  - Regularities of production of spontaneously fissionable isotope of element 105, 24:40614 (JINR-P7-5108)
  - Spark fission-fragment counter, 25:18671
  - Spontaneous fission of the isotopes of elements 103 and 105, 24:26637 (JINR-P7-4932)
  - Synthesis of element 105, 24:49858 (JINR-P7-5164)
- LAZAREVA, E. V. Interaction of a shock wave with a magnetic field, 25:55951
  - Investigation of ionized argon behind shock waves by interferometric methods, 22:9287
  - Structure of supersonic stream of ionized argon moving in transverse magnetic field, 22:43969
- LAZAREVA, I. Yu. Oxidation resistance of W—Nb—Ti alloys, 23:8117
- LAZAREVA, L. E. Absorption of gamma quanta by Mn nuclei, 24:18379
  - Absorption of γ quanta by Fe nuclei near the giant resonance, 23:37150
  - Asymmetry in angular distribution of direct photoneutrons from Bi, 24:33150
  - Gamma-ray absorption cross section for sulphur nuclei in giant dipole resonance region, 23:13237
  - Gamma-ray absorption cross sections of ^{19}F, ^{24}Mg, and ^{40}Ca in the 10- to 30-MeV energy region, 21:2668
  - Photoabsorption cross section by ^{9}Be nuclei in the region of giant dipole resonance, 23:39949
- LAZAREVA, L. S. Critical current behavior in wires of superconducting niobium-base alloys, 22:24197
  - Critical magnetic fields of superconducting amorphous modifications of beryllium and bismuth, 25:33198
  - Phase diagram of the niobium—tin system, 21:9514
  - Superconducting laboratory solenoid of 112 kiloersteds made of wire of deformed alloys, 23:42152
  - Superconductivity of V_3Ga, 21:9517
- LAZAREVA, M. B. Plastic deformation of high-purity Be monocrystals at 4.2 to 300°K, 23:8173
- LAZAREVIC, B. Analog computer method for solving flux distribution problems in multiregion nuclear reactors, 22:46956
  - Transient digital control of a boiling-water reactor power plant, 24:46027
- LAZAREVIC, Dj. Influence of neutron radiation on low-alloyed U, 24:14860
  - Influence of speed of combustion on the stability of the nuclear fuel toward swelling, 23:40502
  - Thermal decomposition of quenched uranium-rich binary alloys, 25:49419
- LAZAREVIC, Dorde Effect of small Al additions on the structure of U—Mo alloys, 21:1911
- LAZAREVIC, M. Possibilities for recovery of uranium as a by-product in the production of phosphate fertilizers and tripolyphosphate, 25:23683
- LAZARIDIS, L. Prog. rpt. on six-converter solar thermionic generator, 7/1—12/15/67, 22:36776 (N-68-15766)
  - Prog. rpt. on six-converter solar thermionic generator, final, 10/67—3/31/68, 23:27412 (N-69-14920)
- LAZAROV, D. Kinetics of oxygen chemisorption on the surface of thin molybdenum layers, 21:3464
  - Kinetics of oxygen chemisorption on the surface of thin molybdenum layers, 21:36843
- LAZARSKA, B. Polarization of protons from ^{12}C(d,p)^{13}C reaction at E/sub d/ = 12.4 MeV, 25:12377 (INP-711)
  - Polarization of protons from ^{12}C(d,p)^{13}C reaction at E/sub d/ = 12.4 MeV, 25:20287
- LAZARSKI, Stanislaw Silicon nuclear particle detectors produced by ion-implantation techniques, 25:15888
- LAZARUS, A. J. East—west asymmetry in the solar wind velocity, 23:22845
  - East—west asymmetry in the solar wind velocity, 23:44102 (N-69-24915)
  - Mariner V: plasma and magnetic fields observed near Venus, 22:8860
  - Observations of the interplanetary plasma subsequent to July 7, 1966 proton flare, 23:22821
  - Plasma and magnetic field observations during the magnetosphere passage of Pioneer 7, 22:22048
  - Relation between geomagnetic sudden impulses and solar wind pressure changes, 22:41487
- LAZARUS, A. Z. Interplanetary shock observations by Mariner 5 and Explorer 34, 24:42464
- LAZARUS, Alan J. Observation of the angular-momentum flux carried by the solar wind, 25:52564
  - Simultaneous plasma and magnetic-field measurements in solar wind, 23:25079
- LAZARUS, D. Atom transport under varying pressure, 24:33569 (COO-1198-736)
  - Effect of hydrostatic pressure on aluminum and beryllium self-diffusion, 25:656
  - Flux attenuation in a steel side shield at AGS, 25:50465
  - Particle separation in a system of conventional iris-loaded deflectors interspersed with alternate gradient magnets, 25:12295 (BNL-15438)
  - Study of a uniform steel beam stop at 28 GeV, 25:50464
- LAZARUS, D. M. Measurement of velocity dependence of helicity of beta particles from ^{60}Co, 24:40242
  - Recent muonium hyperfine structure measurements, 24:51413
  - Room-temperature long-pulse rf beam separators, 24:45620 (BNL-14974)
- LAZARUS, David Activation volumes for self-diffusion in bivalent and trivalent metals, 25:24568
- LAZARUS, Donald Martin Longitudinal polarization of beta particles, 21:2700
- LAZARUS, Herbert Human leukemic cells in x-irradiated hamsters, 21:11107
- LAZARUS, J. Measurement of void fraction in two-phase NaK—Ar flow by γ-ray attenuation, 23:13938 (EUR-3935)
  - Void fraction measurements in two-phase flow NaK/Ar, 21:41096 (EUR-3486.f)
  - Void fraction measurements in two-phase flow NaK/Ar, 22:51172
- LAZARUS, L. Radioimmunoassay of gastrin in human serum, 24:12019
  - Radioimmunoassay of pancreozymin cholecystokinin in human serum, 24:12018
  - Radioimmunoassay of secretin in human serum, 23:33662
- LAZARUS, M. E. Disposable alpha—gamma transfer container, 25:51802
  - Electro-optical profilometer, 25:51933 (LA-DC-12378)
- LAZARUS, Roger Maniac II system, 22:16357 (LA-DC-8931)
- LAZARUS, S. Polarized ^{59}Co target, 24:26558
- LAZARUS, S. S. Protection of canine pancreatic ultrastructure against radiation damage by post-treatment with alloxan, 22:6894
- LAZARUS, Sydney S. Protection against radiation with alloxan, 22:23569
- LAZDA, E. E. Effects of γ rays on resin secretion in pines, 21:28677
  - Physiological peculiarities of live pinewood cells after irradiation of cambium, 24:12333
- LAZDINS, Dagnija Acid-catalyzed nitramine rearrangement. V. The effect of isotopic replacement of aromatic ring hydrogens, 24:36228
- LAZEBNIK, I. M. Scattering of neutrons by parametrically excited spin waves, 22:44258
- LAZEEVA, G. S. Application of hollow-cathode discharge tube for spectral-isotopic determination of gases in metals, 21:19544
- LAZELL, J. A. Radiation control for health and safety act of 1968, 23:22313
- LAZEYRAS, P. Particle separation with two- and three-cavity rf separators at CERN, 22:44532 (CERN-68-29)
  - Three cavity rf separator of CERN, 22:32269 (CEAL-2000, pp 190-6)
- LAZIEV, E. M. Radiation of point-particle in the wave-guide, 23:27771
- LAZNICKA, Mojmir Characteristic electron energy losses in solids, 23:1521
- LAZNIKOVA, T. N. Effect of mutagens on Actinomyces aureofaciens mutants, 21:20140
- LAZORENKO, G. E. Accumulation of ^{90}Sr and ^{144}Ce from sea water by alginic acid, 25:13403
- LAZORENKO, V. M. Effect of C on Mo and Mo alloys, 25:2745
- LAZORICK, S. Computer program for the fall and dispersion of particles in the atmosphere, 21:36149 (SC-CR-67-2530)
- LAZORINA, S. M. Extraction—photometric determination of La as its complex with Alizarin red S and 8-hydroxyquinoline, 22:33217

- LAZOVSKAYA, A. V. Reaction to ether anesthesia in irradiated animals, 22:31173
- LAZOVSKII, V. V. Effect of electron bombardment on some parameters of silicon photoelectric devices, 22:28270
- LAZURIK-EL'TSUFIN, V. T. Cross sections for production of e^+e^- pairs in collisions of heavy charged particles, 25:43598
- LAZURKINA, V. D. Dosimetric substantiation of the procedure involving bi-axial pendulum x-ray therapy in malignant tumors of the uterus, 21:10897
- LAZUTIN, E. V. (γ,n) cross sections of Al and P, 25:31242
  - Fine structure of the giant dipole resonance in ^{16}O nucleus, 25:31231
  - Giant dipole resonance for nucleus ^{181}Ta, 24:1857
  - Highly efficient neutron detector, 24:27363
  - Photoneutron cross section for silver isotopes, 24:28804
  - Photoneutron reactions on copper, 25:28260
  - Reactions ^{32}S(γ,pγ') and ^{32}S(γ,nγ'), 25:14946
  - Structure of cross section of photoneutron reaction on ^{208}Pb nucleus in the region of a giant dipole resonance, 25:20437
- LAZUTIN, L. L. Space and time characteristics of electron streams penetrating the Earth's atmosphere in auroral regions, 22:11250
  - X-ray burst and the aurora, 22:11251
- LAZZARA, A. Food irradiation, 25:24493
- LAZZARETTO, G. F. Neutralization self-solidification process (N.S.S.P.). Status of development work, 24:44068 (NP-18306)
- LAZZARETTO, J. F. Prog. rpt. on treatment of medium level waste, 9/66, 21:19881 (NP-16597)
  - Treatment of EUROCHEMIC medium level waste by Neutralization Self-Solidification Process, 24:22929 (NP-18181)
- LAZZARIN, M. Attempt to visualize a pheochromocytoma by means of /sup 99m/Tc, 24:23256
- LAZZARINI, E. Burnup determination in L-54 water-boiler reactor from buildup of tritium in its recombiner water, 21:35760
  - Correlated annealings of ^{60}Co recoiled atoms in cationic and anionic sites of neutron-irradiated crystals of cis-[Co en$_2$(NO$_2$) CNS][Co EDTA]2H$_2$O, 25:54682
  - Effect of crystal sizes on thermal annealing of interstitials produced by Szilard—Chalmers recoil, 21:40940
  - Effect of ligand field on Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co studied in complexes, 21:10407
  - Further experiments on isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co in Co(III) complexes, 23:40759
  - Isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co in Co(III) complexes as an additive property of ligands, 21:19680
  - Isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co, 21:22009
  - Isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co in seven salts of tris-(propylenediamine) Co(III), 21:40943
  - Isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co in Co(III) complexes in relation to neutron energies, 21:42582
  - Isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/ Co in some Co(III) complexes, 24:41333
  - Isomeric effect in Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co in some mixed complexes of Cr(III) and Co(III), 25:29170
  - Isotopic exchange reaction in solid state between Cr(III) oxinate and dopant ^{51}Cr^{3+} ions, 25:31908
  - Scanning of irradiated nuclear fuel, 23:45217
  - Szilard—Chalmers recoil of /sup 60m/Co and /sup 60g/Co in Co(III) complexes, 24:7449
- LAZZARINI, Ennio Relation between chemical constitution and isomeric effect in Szilard—Chalmers reaction in complexes of Co(III), 21:45151
- LAZZARINO, L. Economical evaluation of organic moderated and cooled reactors (ROVI) designed to produce vapor for desalting plants, 22:12081
- LAZZARINO, Lucio ROVI project, 22:1784
- LAZZERI, L. Failure of cylindrical pressure vessels under yielding conditions, 23:36104
  - Geometrical aspects of the failure of cylindrical pressure vessels, 24:17292
  - Performance of nuclear reactor internals, 24:28991
- LAZZERI, Luciano Vibrations of a pendular structure of circular cross section inside a concentric pipe, 24:20943
- LAZZERINI, Renato Nuclear plants for the production of energy and the purification of water, 22:48661
- LBOV, A. A. Fast neutron (n,γ) and (n,2n) reaction cross sections on Re isotopes, 21:17379
  - Principal characteristics of isotopes of heavy elements, 25:5722
- LBOV, V. S. Electric conductivity and transference number in fused CeCl$_3$ and CeCl$_3$—Ce, 21:40840
  - Reduction voltage and thermodynamics of the formation of liquid cerium di- and trichlorides, 21:40839
- L'DOKOVA, G. M. Simultaneous determination of C, H, halogens and Pd, and C, H, and Pr, 24:38738
- LEA, A. T. Crossing-symmetric description of the complex K$^+$K$^-\pi^-$pantin, 25:50141
  - Further evidence for N$^{*1}/_{2}$ nucleon resonances in the mass range 1800 to 2200 MeV, 23:42571
  - K$^+$p partial-wave amplitudes below 2 GeV/c, 25:22823
  - K$^+$p phase shift analysis, 21:2383
  - K$^+$p phase-shift analysis below 1500 MeV/c, 22:15808
- LEA, Andrew T. K$^+$p phase shift analysis and possible existence of a Z$_1$ resonance, 23:8807 (INP-622(Vol.1), pp 105-46)
- LEA, C. Attenuation length of photoelectrons in thin films of uranium, 22:17776
- LEA, Colin Work-function measurements on films of uranium on tungsten, 23:7057
- LEA, K. R. Measurement of the 2^2S/sub $^1/_2$/—2^2P/sub $^3/_2$/ interval in atomic H, 23:18420
  - Velocity distribution of metastable H atoms produced by dissociative excitation of H$_2$, 21:33202
  - Velocity distribution of metastable H atoms produced by dissociative excitation of H$_2$, 21:35005 (COO-1112-120)
- LEA, Kenneth, R. Fine-structure measurement of singly ionized H, n = 4, 25:16785
- LEA, M. J. Recent advances in the production of low temperatures, 25:1138
  - Ultrasonic attenuation measurements in normal and superconducting zinc, 22:50106
- LEA, R. A. Analysis of survival and cause of death statistics for mice under single and duration-of-life gamma irradiation, 25:46967 (CONF-710615-2)
- LEA, Robert M. Further evidence for Y$_1^*$(1616) from 3.9 GeV/c K$^-$n interactions, 23:32621 (BNL-13681)
  - Reaction K$^-$n $\rightarrow$ $\Lambda\pi^-$ at 3.9 and 3.6 GeV/c, 24:5254
- LEA, Suzanne Moore Studies in quadrupole Coulomb excitation, 25:59859
- LEACH, A. Preparation and some properties of tungsten—rhenium—osmium alloys, 22:7023
- LEACH, C. E. Radioisotope-energized Stirling engine for spacecraft auxiliary electric power, 25:42010
  - Range of allowable operating conditions for FFTF closed loops, 24:5540 (BNWL-993)
  - TAP-LOOP: stable thermal analyzer code for thermal analysis of closed hydraulic systems, 24:13592 (BNWL-1172)
- LEACH, Charles M. Spectra for light-induced sporulation of the fungi P. herbarum and Alternaria dauci, 21:24688
- LEACH, E. R. Elastic scattering (p—p) at 2 GeV, 21:37677
- LEACH, J. S. Ll. Effect of external electrical field on oxidation rate of U, 23:38927
- LEACH, John M. Prog. rpt. on postattack sanitation, waste disposal, pest and vector control and the effects of fallout in waste water and sewer systems, final, phase 2, 1/67, 21:41055 (AD-645599)
- LEACH, Leonard J. Excretion of U by rats, 21:22429
  - Inhalation study with natural UO$_2$ dust. I, 24:48373
- LEACH, Paul J. Radioisotope skeletal survey, 21:24533
  - Radioisotope skeletal survey, 22:8569
- LEACH, Peggy Ann Gene and chromosomal behavior in a parasitic wasp, 25:57962
- LEACH, W. M. Effects of 2450 MHz microwaves on protein synthesis and on chromosomes in Chinese hamsters, 24:12053
  - Radiation cytology laboratory, 23:9911 (NP-17514, pp 87-97)
- LEACH, Wilfred Irradiation of the ear, 21:6597
- LEACH, William M. Radiation cytology laboratory, 23:33806 (PHS-PUBL.-1809, pp 5-19)
- LEACHMAN, R. B. Energy of ^{242}Am and /sup 242m/Am fission fragments, 22:16049
  - Fluctuation studies of the (α,p) reaction on ^{19}F, ^{23}Na, and ^{31}P, 21:13810
  - Nuclear-state widths of medium-weight nuclei in the continuum, 25:28268
  - Prog. rpt. on tandem Van de Graaff pre-operational research, 1/1/68—10/1/68, 23:3861 (COO-1766-10)
  - University-based psychological-scientific-political analysis of safeguards, 25:48787 (CONF-710617-14)
- LEACOCK, R. A. Double pion production without annihilation in antiproton—proton interactions at 2.7 GeV/c, 21:18905
  - Evidence for A$_1^*$ production in K$^-$p interactions at 4.6 and 5.0 GeV/c, 22:7449
  - Evidence for narrow 3π effects near 960 MeV in K$^-$p interactions at 4.6 and 5.0 GeV/c, 22:39282
  - Interpretation of p$\pi^+\pi^-$ and anti p$\pi^+\pi^-$ mass spectra in anti pp $\rightarrow$ anti pp$\pi^+\pi^-$ at 2.7 and 2.9 GeV/c, 24:24225
  - Interpretation of small-angle π^-p elastic scattering from 1.71 to 3.01 GeV/c, 25:3281
  - K$^-$p elastic scattering at 4.6 GeV/c, 23:14975
  - K$^-$p interactions at 4.6 and 5.0 GeV/c, 24:3529
  - Observation of the p$\pi\pi$ decay mode of the N/sub 1/2/*(1400) resonance in pp interactions at 22 GeV/c, 23:1597
  - Pion—deuteron elastic scattering and Bakamjian—Thomas transformation theory, 24:52130
  - Reaction K$^-$p $\rightarrow$ K$^-$p$\pi^+\pi^-$ near 5.0 GeV/c, 24:8658
  - Search for fractionally charged particles in the solar photosphere, 22:21836
  - Spin analysis of p$\pi^+\pi^-$ enhancements in pp interactions at 22 GeV/c, 24:12946
  - Two- and three-pion production without annihilation in antiproton—proton interactions at 2.4 and 2.9 GeV/c, 24:37634
- LEADABRAND, Ray L. Correlation of radar echoes from the aurora with satellite-measured auroral particle precipitation, 22:2942
  - Wavelength dependence and aspect sensitivity of radar auroral echoes between 50 and 3000 MHz, 21:37291
- LEADER, E. Nucleon—nucleon interaction at high energies, 21:37860
- LEADER, Elliot Conspiracy and evasion: property of Regge poles, 22:20353
  - Factorization of helicity amplitudes at high energies, 21:21315
- LEADER, John Carl (γ,xn) reactions in ^{169}Tm, 24:47661
- LEADON, R. Charge density near vortex line in type-II superconductors, 22:1103
  - Properties of an Abrikosov fluxoid in type-II superconductors, 22:11387
  - Recombination lifetimes in high-purity silicon at low temperatures, 23:34495
- LEADON, R. E. Model for short-term annealing of neutron damage in p-type silicon, 25:22610
  - Prog. rpt. on radiation effects in Si solar cells, 24:51239 (N-70-25471)
  - Prog. rpt. on radiation effects in silicon solar cells, 4—6/70, 25:481 (N-70-33998)
  - Prog. rpt. on radiation effects in silicon solar cells, 7—9/70, 25:21485 (N-70-43156)
- LEADON, Roland Eugene Internal properties of Abrikosov fluxoids in type-II superconductors, 22:13422
- LEAF, Boris Weyl transform in nonrelativistic quantum dynamics, 22:41708
- LEAF, G. K. ANL-CANDID: two-dimensional, diffusion-theory code, 22:15914 (ANL-7305)
  - ARC system one-dimensional diffusion theory capability, DARC1D, 25:41597 (ANL-7715)
  - ARC system: one-dimensional transport theory capability, SNARC1D, 25:31651 (ANL-7717)
  - Fuel cycle analysis system, REBUS, 25:41445
  - Generalized formulation for fast reactor fuel cycle studies, 23:47312 (CNM-R-2(Vol.3), pp 1348-67)
  - PERC, two-dimensional perturbation code based on diffusion theory, 22:7908 (ANL-7304)
  - Two-dimensional fast-reactor disassembly analysis with space-time kinetics, 25:57078 (CONF-710302-(Vol.1), pp 128-51)
- LEAF, Gary K. Application of finite element techniques for the numerical solution of the neutron transport and diffusion equations, 25:33374 (CONF-710107-, pp 258-85)
  - Survey of approximation procedures for the numerical solution of the neutron transport equation, 25:36647 (ANL-7779)
- LEAFFER, M. A. Investigation of the use of derivative neutron activation analysis for drug assay, 22:21041
- LEAHU, L. Cell radiobiology. I, 23:26748
- LEAHY, David M. Low-energy photons in the life sciences, 22:2521 (ORNL-IIC-10(Vol.1), pp 197-232)
- LEAHY, J. Theoretical ground motion predictions supporting HEST program, 25:41950 (AD-718388)
- LEAK, G. M. Diffusion in bcc iron base alloys, 25:2691
- LEAK, J. Conference on fundamentals of aerospace instrumentation, Boston, 6/68. I, 24:516
  - Conference on instrumentation in the aerospace industry, Boston, 6/68. XIV, 24:518
- LEAK, L. V. Ultrastructural alterations in proximal tubular cells after unilateral nephrectomy and x-irradiation, 21:22731
- LEAKE, Chauncey D. Biological actions of dimethyl sulfoxide, 21:24324
- LEAKE, J. W. Beryllium: a reappraisal of its use in nuclear radiation detectors, 23:35456 (AERE-M-2193)
  - Improved spherical dose equivalent neutron detector, 22:28174 (AERE-R-5131)
  - Improved spherical dose equivalent neutron detector, 22:43123
  - Measurement of W, average energy to produce an ion pair, for recoil nuclei in CO$_2$, 21:22007 (AERE-R-5130)
  - Method for using standard burst cartridge precipitator equipment for fuel activity release monitoring on a Mk. III high temperature gas cooled reactor, 25:15373 (AERE-R-6475)
  - Neutron measurements around nuclear reactors, 22:14746 (AERE-M-1848)
  - Portable instruments for neutron dose equivalent rate in steady state and pulsed neutron fields, 21:1620
  - Spherical dose equivalent neutron detector, 21:3265
  - Use of radiological survey instruments around pulsed radiation sources, 22:4444
  - Use of standard radiation survey instruments in pulsed radiation fields, 23:50141
- LEAKE, John Walgate Improvements in or relating to liquid scintillator cells, 22:23305
  - Neutron counters, 25:55014
- LEAL, A. R. Preliminary investigations of possible influence of radiation on natural vegetation of uraniferous deposits of Cuyo region, 23:6403 (AEC-tr-6945)
- LEAL, H. High intensity lithium ion source, 23:3252 (LA-tr-68-45)
- LEAL, R. S. Effects of Li ion on incorporations of acetate-1—^{14}C and mevalonic acid-2—^{14}C into liver cholesterol, 21:41325
- LEAL DA COSTA, N. Level scheme of ^{123}Sb, 22:35342
- LEAL FERREIRA, G. F. Low-energy theorems for Compton scattering on a spin-$^3/_2$ target, 24:15517
- LEAL FERREIRA, J. Hydrogenlike Quark model for baryons, 24:20164
  - Low-energy theorem for radiative decays of hyperons, 22:46379
- LEAL FERREIRA, P. Configuration mixing in SU$_6$ composite model with orbital excitation, 21:37904
  - Group (SO$_{4,1}$) and the H atom, 21:6997
  - Hydrogenlike Quark model for baryons, 24:20164
  - Ladder representations of the O(4,2) group, 23:46761
  - Noninvariance groups for quantum-mechanical systems, 23:18778
  - U$_6$ composite model, 22:1468
- LEAMER, R. D. Physics development for plutonium utilisation in pressurised water reactors, 22:22769
  - PuO$_2$—UO$_2$ fueled critical experiments, 21:38672 (WCAP-3726-1)
  - Reactivity measurements for hollow and hydrogen-filled tubular neutron poisons in the NERVA reactor, 25:41587
- LEAMING, Robert H. Palliative radiation therapy in cancer of the colon and rectum, 24:21259
  - Radiation therapy in recurrent cancer of rectum and colon, 23:35825
- LEAMY, H. J. FORTRAN program for calculation of dislocation image profiles according to dynamical theory of electron diffraction, 22:2645 (IS-1696)
- LEAMY, Harry John Plastic deformation behavior of long range ordered iron—aluminum alloys, 21:43624 (IS-T-180)
- LEANDRI, J. Heterotopic homotransplantation of heart in rat, 24:646
- LEANDRI, M. Contamination of Ciona intestinalis (Tunicata) with ^{131}I and ^{59}Fe, 23:20108
- LEANDRI, Marcel A.-R. Study of radioactive contamination (^{131}I) and its partition among the different parts of two Mediterranean bivalve mollusks, 21:6423

LEANE, J. B. Nuclear magnetic resonance of microsamples, 21:21894
  Nuclear magnetic resonance of microsamples, 21:23265
LEANG, Chin Fan Alpha decay of ^{231}Pa, 25:1751
  Emission (γ) following β decay of ^{233}Pa, 21:42626
  Excited levels of ^{233}Pa, 24:30813
  Gamma spectra emitted by ^{223}Ra and its derivatives, 22:44746
  Gamma spectrum emitted during the β decay of ^{233}Th, 22:37365
  Level scheme of ^{220}Fr, 23:23708
  Radiation emitted during the α decay of ^{224}Ac, 22:53217
  Spins of ^{227}Ac levels, 25:46079
LEANG, Chin-fan High-energy γ radiation accompanying the decay of ^{227}Th, 22:35303
  Level scheme of ^{217}At, 22:32583
  Level schemes of some odd-Z nuclei decaying by alpha emission, 23:46988 (NP-17967)
  Spectrum (γ) emitted during transmutation of ^{153}Sm into ^{153}Eu, 21:46732
  Studies of the γ transitions in ^{221}Fr, 22:16023
  Study of spectrum of low-energy conversion electrons emitted by ^{221}Fr, 23:40069
LEAO, E. Spectrographic determination of traces of tellurium, 25:44326
LEARDINI, M. Measurement of the magnitude of the mass difference m/sub K^0/sub s//—m/sub K^0/sub L//, 21:2362
LEARNED, John Gregory Cosmic-ray muons at depths less than 1000 ft underwater, 24:19786
LEARSON, R. J. Producing radiation sterilized fish products, 23:38915
  Radiation pasteurization of fishery products, 25:24496
  Study of irradiated-pasteurized fishery products, 25:24491 (TID-25544)
LEARY, A. G. Prediction of ^{131}I in milk for protective-action planning, 21:1755
LEARY, H. J. Jr. Infrared spectra of UO and UO_2 vapor condensed in rare-gas matrices, 25:26260 (COO-1182-34)
LEARY, J. A. Crystallographic and magnetic ordering studies of Pu carbides, 24:21440
  Differential thermal analysis apparatus for observation of refractory plutonium compounds, 23:35546 (LA-4103)
  Differential thermal analysis observations of U—Pu dicarbides, 25:11522
  Distribution of Am between liquid Pu and fused salt, 21:5839 (LA-3562)
  Distribution of americium between liquid plutonium and a fused salt. evidence for divalent americium, 22:12290
  Electrometallurgy of plutonium, 23:14318 (LA-DC-9809)
  Enthalpies of selected elements in liquid plutonium, 22:40053 (LA-3951)
  Enthalpies of solution of C, Tm, Ti, Mn, Zr, and Re in liquid Pu, 25:11386
  Fuel forms for ^{238}Pu power sources, 24:31626
  High temperature heat content and heat capacity of UO_2 and UO_2—PuO_2 solid solutions, 21:42914 (LA-DC-8620)
  High-temperature heat content and heat capacity of uranium dioxide and uranium dioxide—plutonium dioxide solid solutions, 22:31480
  High-temperature properties of irradiated fuels, 24:1056
  Low temperature magnetic transition in plutonium monocarbide, 21:46003
  Mass spectrometric studies of Pu compounds at high temperatures. I, 22:37713 (LA-3902)
  Mass spectrometric studies of Pu compounds at high temperatures. IV, 24:19507
  Mechanical properties of carbide and nitride reactor fuels, 24:6270
  Mechanical properties of carbide and nitride reactor fuels, 25:2785 (LA-4452)
  Melting behavior of (U,Pu) monocarbides, 25:11507
  Operating experience on an economical ^{238}Pu processing facility, 24:31658
  Phase relations in the high-carbon portion of the U—Pu—C system, 21:38758
  Plutonium carbides, 24:44785 (LA-4415)
  Plutonium-238 for biomedical applications, 23:24258
  Plutonium-238 for biomedical applications, 24:14506
  Plutonium-238 materials as radioisotopic heat sources, 23:35428
  Purification, encapsulation, and characterization of ^{238}Pu for implantation purposes, 25:4228
  Refining of ^{238}Pu for biomedical applications, 22:30784
  Solid solution oxide fuels for space electric power heat systems, 22:49785 (LA-DC-9686)
  Solubilities of C, Ta, W, and Re in liquid Pu, 21:9177
  Solubilities of selected elements in liquid Pu. IX, 21:4931 (LA-3594)
  Solubilities of selected elements in liquid Pu. X, 21:11215 (LA-3623)
  Solubilities of selected elements in liquid plutonium. II, 22:38555
  Solubilities of selected group-V elements in liquid plutonium, 21:36837
  Solubilities of Zr in liquid Pu, 21:41576 (LA-3742)
  Synthesis and fabrication of carbide fuels, 24:6249
  Synthesis and fabrication of pure, single-phase, uranium—plutonium monocarbide pellets, 24:21413 (LA-4283)
  Synthesis, fabrication, and behavior of single phase U—Pu carbides, 25:47152
  Thermal conductivity of uranium—plutonium carbide fuels, 22:768 (LA-DC-9059)
  Thermal conductivity of uranium—plutonium carbides, 24:6269
  Thermal expansion and phase equilibria of the carbon-saturated plutonium carbides, 25:11513
  Thermodynamic properties of plutonium compounds by emf techniques, 22:31463
  Thermodynamic properties of Pu—C system, 25:11506
  Thermodynamics of solution of selected elements in liquid plutonium, 24:11535
  Uranium—Pu—C phase diagram, 24:10186
LEARY, J. J. Fission fragment analyzer, 24:44349 (UCRL-72422)
LEARY, Joseph A. Improving recovery of plutonium—gallium alloys, 23:10178
  Method for producing ultrahigh-purity plutonium metal, 21:3480
  Method of preparing plutonium mononitride, 21:3080
  Separation of Am from Pu, 23:9521
LEARY, K. L. Testicular tumors, 21:34802
LEARY, P. Analysis of low-mass $K\pi\pi$ enhancement, 25:38664
LEARY, P. L. Radiation-induced depression of primary and secondary antibody responses to bacteriophage phi x 174 in vitro, 23:38501
LEARY, R. J. Effects of adding rare-earth silicides, Al, and cryolite to molten steel, 22:21670 (BM-RI-7091)
LEASE, J. G. Effect of Cd on tissue uptake of ^{65}Zn by chick, 23:50323
  Effect of soluble fraction of oil seed meals on uptake of ^{65}Zn from Ca.Mg.^{65}Zn.phytate complexes by chick, 23:14120
LEASK, Joan D. Three radioisotope methods for measuring Fe absorption, 22:10695
LEASK, M. J. M. Crystal growth and magnetic susceptibility of rare-earth compounds. II, 23:1520
  Status of magneto-optical experiments on ordered rare earth compounds, 22:20069
LEATHAM, Harold Improvements in or relating to nuclear reactors, 21:21811
LEATHAM, J. M. List of unclassified documents, lectures, etc. by staff of Analytical Sciences Division, A.E.R.E., Harwell 1967, 22:16382 (AERE-Bib-158)
  List of unclassified documents, lectures, etc., by staff of analytical sciences division, A.E.R.E., Harwell, 23:26148 (AERE-Bib-162)
LEATON, B. R. Recent changes in the magnetic dipole moment of the Earth, 21:18509
LEAUTE, Bernard Study of Kerr metric, 22:53030
LEAVENS, C. R. Anisotropic energy gap in Al, 25:25061
  Theory of weak-coupling superconductors, 25:36069
LEAVENS, W. M. Normal mode representation of the high-frequency properties of an inhomogeneous plasma, 23:18699
  Normal modes of a nonuniform plasma, 22:24295
LEAVENS, William M. Electron beam measurement of ion acoustic wave propagation, 24:15288
  Propagation of longitudinal waves into a nonuniform plasma, 22:9339
  Stability of an inhomogeneous beam—plasma system, 24:17961
  Stability of inhomogeneous plasmas, 23:48919 (D-1-82-876)
LEAVENWORTH, H. W. Electrodeposition of dispersion-strengthened alloys, 23:30114
LEAVENWORTH, H. W. Jr. Corrosion of Nb in NaOH, 24:25643
  Prog. rpt. on development of lightweight Mg alloys for low temperature, annual, 6/19/64—6/18/65, 21:34886 (N-66-27077)
LEAVER, Bernard Grids for nuclear fuel elements, 22:18634
  Nuclear reactor fuel element assemblies, 22:25173
  Nuclear reactor fuel element assemblies, 22:33110
  Nuclear reactor fuel element assemblies, 22:33111
LEAVER, E. Pauline Placental localization using /sup 99m/Tc-labeled serum albumin, 23:2883
LEAVITT, George A. Development of a 30-kilovolt x-ray tube, 22:25579
LEAVITT, V. D. Soil survey of area 18, Nevada test site, 24:44096 (SWRHL-74-r)
  Tritium uptake following a thermonuclear test, 24:7782
LEAVITT, Verr D. Soil survey of Area 15 Nevada Test Site, 25:46560 (SWRHL-106-r)
LEAY, R. W. Calculation of the phase-shift of an electron beam scattered by a nickel atom. technical memorandum no. 110192, 25:16751 (NP-18640)
LEB, G. Determination of blood flow using ^{86}Rb, 23:50695
  Differential scintigraphic representation of the pancreas by means of a computer, 25:11176
  Lymph drainage following neck surgery, 25:11178
  Studies on techniques for lung scintigraphy, 25:11129
LEBACQZ, J. V. High power klystron development at SLAC, 24:52257 (SLAC-PUB-804)
  Klystrons for Stanford Linear Accelerator Center, 21:2545 (SLAC-PUB-208)
  Klystrons for Stanford Linear Accelerator Center, 21:4148 (SLAC-PUB-228)
  Radiofrequency problems, 25:50230
LEBACQZ, Jean V. Klystrons for the Stanford Linear Accelerator Center, 22:35190
LE BAIL, Henri Desorption in nitrogen or in hydrogen of the oxygen chemisorbed on graphite, 24:21420 (CEA-N-1266)
LEBAIL, Roland Fast reversal mapping for the solution of two-dimensional operators, 23:43249 (SU-IPR-314)
LE BAIL, Roland Claude Joseph Plasma computer simulation in cylindrical geometry with azimuthal symmetry, 24:45245 (SU-IPR-373)
  Plasma computer simulation in cylindrical geometry with azimuthal symmetry, 25:25128
LE BALLAC, M. Pion conspiracy in $\pi N \to \text{rho}\Delta$, 22:5594
LE BARBU, J. C. Computer analysis of small-angle scattering and application to proton-nuclei scattering at 3 GeV/c, 22:20690
LE BARS, M. Attenuation of thermal flux produced by a monoenergetic point source of fast neutrons in hydrogenous media, 22:28102
  Study of neutron counter with high efficiency and defined response in energy range 0 to 14 MeV, 22:4445
LEBAS, Jacques Polycrystalline probe in plasma diagnostics, 24:3318
LE BAU, P. L. Beam detectors and associated electronics, 24:24481
LE BAUD, Pierre Measurement of initial conversion ratio in AQUILON and EDF 2 reactors, 23:17248 (CEA-R-3349)
LEBDUSKA, Robert L. Solar wind simulator, 23:17845
LEBEAU, A. Conference on calculation of radiation doses in space, Toulouse, 2/68, 24:35227
LEBEAU, Andre Electric currents in the ionosphere of the polar caps, 22:31700
  Mean intensity of the electric currents in the ionosphere of the polar caps as a function of the planetary magnetic activity, 22:34410
LEBEAU, C. Behavior of a Type-I superconductor in presence of magnetic dipoles, 25:40543
  Transition-field enhancement and shape effects due to magnetic inclusions in a superconductor, 25:11840
LEBECH, B. Coexistence of the commensurate and oscillatory magnetic phases in chromium alloys, 23:20982 (RISO-M-811)
  Crystal fields and the magnetic properties of praseodymium and neodymium, 24:45347
  Fixed-scattering-angle spectrometer for neutron-diffraction studies of powdered samples, 22:14822 (RISO-164)
  Magnetic structures of praseodymium and neodymium, 25:47637
  Slow-neutron wavelength distribution, 24:21010
LEBECK, Donald F. Evaporation of 3 to 8 neutrons in reactions between ^{12}C and various U nuclides, 22:30000
LEBECKA, Jolanta Application of the tracer method in investigations of evaporation phenomena in power boilers, 25:57674
LEBED', B. M. Effect of gamma and neutron irradiation on the ferromagnetic resonance in ferrites, 22:5451
  Influence of ^{235}U fission fragments on ferromagnetic resonance of single-crystal ferrites, 22:31972
LEBEDA, C. F. Integration of differential equations in atomic collision theory, 25:16803
  Perturbation treatment of the helium ground state with correlation in zeroth order, 22:52521
  Towards an accurate wave function for positronium hydride, 23:12539
LEBEDA, Charles F. Impact ionization in the proton—H-atom system. IV, 25:52632
LEBEDA, Charles Frank Positron annihilation in small atoms, 23:1163
LEBEDEFF, S. A. Behaviour of electrons before and after trajectory crosses the turning point, 25:22371
  Class of potentials for the description of the interaction between two atoms, 24:8327
  Time-dependent formulation of semiclassical approximation in collision theory. II, 24:37946
  Time-dependent formulation of the semiclassical approximation in collision theory, 22:15863
LEBEDENKO, V. M. Elements of theory of Lie groups and theory of their representations, 25:33784 (JINR-P2-5740)
LEBEDENKO, V. N. Electron—ion recombination in the track of an ionizing particle and the scintillation mechanism of noble gases, 23:29157
  Luminescence induced by alpha particles in liquid xenon in an electric field, 22:17390
  New method of registration of ionizing-particle tracks in condensed matter, 24:48296
LEBEDEV, A. A. Dosimetric characteristics of LiF monocrystal, 24:1111
  Thermoluminescent dosimetric device, 22:36114
LEBEDEV, A. D. Aerodynamic characteristics of a one-chamber plasmatron with vortex gas stabilization and its effect on arc behavior, 22:9362
  Charged-particle diffusion in near-electrode boundary layer, 23:51439
  Comparative characteristics of two-chamber and bilateral plasmatrons, 22:9364
  Distribution of electric field along longitudinally blown arc in dc plasmatron, 22:4535
  Distribution of electric field strength along the length of a longitudinal arc in a constant-current plasmotron, 21:41084
  Near-electrode phenomena in gas discharges, 23:10661
  Regulation of arc voltage in a two-chamber plasmatron by changing the gas flow ratio through vortex chambers, 22:9363
LEBEDEV, A. I. Angular dependence of the cross section for photoproduction of charged pions on nucleons, 21:44249
  Forward photoproduction of vector mesons on deuterium, 24:8603
  High-energy photoproduction of rho^0 mesons, 23:14951
  High-energy photoproduction of rho^0 mesons, 23:16925
  Near-threshold photoproduction of charged pions, 24:28472
  Photoproduction of mesons (π^-) on deuterium near the threshold, 21:7451
  Photoproduction of mesons (π^+) on protons near the threshold, 21:7450
LEBEDEV, A. K. Conference on uses of radioactive isotopes and nuclear radiation in U.S.S.R., Vol. 3, Riga, 4/60, 21:6317 (AEC-tr-6466/3)
  Secondary emission of heavy charged particle uhf detector, 21:6238
LEBEDEV, A. M. Characteristics of inelastic nuclear interactions of cosmic-ray particles at 10^{11} to 10^{13} eV, 24:21931
  Track distortion in a Wilson chamber, 24:11787
LEBEDEV, A. N. Bunch lengthening effect in storage rings, 24:10868 (LNF-69/52)
  Cascade storage system, 22:32327 (CEAL-2000, pp A66-9)
  Coherent synchrotron oscillations in accelerators with phase lock, 21:29753
  Coherent synchrotron oscillations in the presence of space charge, 22:46649
  Collective effects in accelerators, 25:12298 (CERN-Trans-70-7)

  - Collective effects in circular accelerators, 24:18318 (KFK-tr-302)
  - Criteria of longitudinal stability of circulating beams, 22:48395
  - FIAN electron circular synchrocyclotron. I, 22:32384
  - FIAN electron circular synchrocyclotron. VIII, 22:32408
  - Intense electron beam autoacceleration, 25:20220
  - Investigation of auto-resonant particle acceleration by electromagnetic waves, 21:19109
  - Longitudinal instability in the presence of an rf field, 22:32277 (CEAL-2000, pp 284-8)
  - Stabilization of longitudinal instabilities in stacking systems with phase-lock, 21:9878
  - Steady-state acceleration of particles in the presence of space charge, 21:4158
  - Theory of cyclic accelerators, 21:17255
- LEBEDEV, A. T. Cross sections of formations of Frenkel defects induced by ^{60}Co γ rays, 21:42186
- LEBEDEV, A. V. Evidence for $\pi^+\pi^-$ resonance at 1.5 1.6 GeV in 4.7 GeV/c π^-p^- interaction, 21:7470
  - g^* resonance decay into four pions, 23:30714
  - Quasi-two-particle π^-p reactions, 22:48241
  - Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ at 3.25 GeV/c, 23:7100
  - Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ with the impulse of π^- meson at 3.25 GeV/c, 22:48227 (ITEF-590)
  - Three-particle resonances in π^-p interactions at 4.7 GeV/c, 21:21143
- LEBEDEV, B. A. Pulse shaper for the video channel of a television measurement system, 25:48998
- LEBEDEV, B. I. Blastomogenic effect of ionizing radiation on dogs, 25:52211
  - Central nervous system in dogs poisoned with ^{210}Po, 23:22371 (AEC-tr-6944, pp 316-23)
  - Changes of nerve formation and gastrointestinal mucous membrane at remote periods after irradiation, 23:12225
  - Hemorrhagic syndrome in dogs during acute radiation sickness, 21:36721
  - Nature of changes in certain functions of organism on chronic poisoning with ^{210}Po, 23:22367 (AEC-tr-6944, pp 281-7)
  - Pathomorphological peculiarities of radiation disease in animals irradiated with high energy protons, 23:6575
- LEBEDEV, D. D. Radiation chlorination of chloropentanes, 21:23982
- LEBEDEV, E. F. Electrical breakdown of the gap between plasma and cold electrodes by an induced field, 25:33291
  - Experimental studies of shock wave reflection from a current lattice, 22:52616
  - Plasma cluster in electric discharge shock tubes, 21:5302
- LEBEDEV, F. V. Scattering of 15 to 19 keV protons in thin nickel foils, 22:11211
  - Slowing down capacity nickel for protons and He_4^+ ions in energy range from 20 to 95 keV, 21:28999
- LEBEDEV, I. A. Americium, Cm, and Pm complex formation with trimetaphosphoric acid, 21:32177
  - Complex formation of tetravalent Am, Cm, and Pm with methylphosphinic [sic] acid, 21:32172
  - Determination of stability constants of complexes of Am and Cm with EDTA by electromigration method, 22:27683
  - Investigation of complex formation of trivalent actinides and lanthanides in phosphoric acid solutions, 21:3057
  - Investigation of complex formation of Ce(III) with hexamethylenediaminetetraacetic acid, 22:30577
  - Investigation of formation of complexes of Am, Cm, Ce, and Pm with diethylenetriaminpentaacetic acid, 22:30578
  - Investigation of the complexing of trivalent lanthanide and actinide elements with ethylenediamine-bis-isopropylphosphonic acid by the electromigration method, 23:127
  - Methods for sepcration and refining of transuranium elements, 25:51568 (A/CONF.49/P-689)
- LEBEDEV, I. G. Assembly of fuel elements containing Pu dioxide fuel in BR-5 reactor, 22:37527 (ANL-Trans-609)
  - Behavior of gas in different temperature zones of core of oxide fuel, 25:52474 (JPRS-53800, pp 196-204)
  - Certain properties of fuel behavior of can structural material in fast reactor conditions, 25:8896 (BNWL-tr-57)
  - Formation of structure of fuel element core of metallic uranium in process of irradiation, 25:52406 (JPRS-53800, pp 245-51)
  - Forming structure of core of fuel elements of vibropacked powdered UO_2 in process of irradiation, 25:54289 (JPRS-53800, pp 205-14)
  - Investigation of PuO_2 fuel element assembly of BR-5 reactor, 22:35615
  - Oxide fuel for fast reactors, 23:52351 (JPRS-48331, pp 481-94)
  - Phase diagrams of Pu with the metals of groups IIA, IVA, VIIIA, and IB, 21:32918
  - Porosity in irradiated UO_2, PuO_2, and (0.2 Pu—0.8 U)O_2, 25:52473 (JPRS-53800, pp 188-95)
  - Properties and irradiation behavior of carbide, nitride, phosphide, and other fuel compositions, 25:52468 (A/CONF.49/P-454)
  - Question of the distribution of fission fragments in the lattice of uranium dioxide, 25:52903 (JPRS-53800, pp 180-7)
  - Some aspects of the behavior of fuel, cladding, and structural materials, 24:41012 (TRG-Report-1911, pp 74-81)
  - Swelling of a high-temperature oxide fuel, 24:42289
- LEBEDEV, K. A. Formation of specific and nonspecific immunoglobulins in the lymphoid cells of guinea pigs subjected to x irradiation after the injection of an antigen, 23:24519
  - Morphological aspects of the effect of ionizing radiation on antibody formation, 25:8762
- LEBEDEV, K. B. Ion-exchange precipitation of rhenium from alkali solutions, 22:27566
- LEBEDEV, L. D. Radiation-chemical synthetic reactions with alkyl halides, 23:47491
- LEBEDEV, L. E. Generalization of the time inversion operator in the fermion model, 23:1664
  - Optimum problem of Lagrange in composite model of elementary particles, 22:7452
- LEBEDEV, L. M. Behaviour of Zr alloys in water and steam—water mixtures in MR reactor loops, 25:39294 (LB/G-3006)
  - Tests of experimental assembly of nuclear fuel with sintered UO_2 cores in Zr alloy jackets, 21:10193 (IAE-1181)
  - Tests of rod type fuel element, 22:22830
- LEBEDEV, M. A. Hot Langmuir probe, 21:44039
  - Ion-acoustic oscillations and transport processes in a low-temperature cesium plasma, 25:36231
  - Mass composition of the high-energy ions bombarding the cathode in an anomalous glow discharge, 21:46353
  - Measurements of parameters of nonequilibrium cesium plasma, 24:3349
- LEBEDEV, N. A. Alpha -decay of Dy, Tb, Gd, and Eu isotopes, 22:35354
  - Apparatus for the chromatographic separation of elements with high radioactivity, 24:39017
  - Concentration of all rare earth impurities in rare earth matrices of the cerium subgroup, 22:33496
  - Concentration of rare earth impurities of cerium subgroup matrices, 23:13830
  - Concentration of rare earth impurities of Ce subgroup by anion-exchange, 23:45387
  - Decay of ^{140}La and ^{140}Pr, 25:25755
  - Decay of ^{149}Gd, ^{149}Eu, and ^{151}Gd, 21:31826
  - Decay of Pm fraction isotopes, 22:1650 (JINR-P6-3471)
  - Determination of g factors of second excited states $^{11}/_2^-$ of ^{147}Eu and ^{149}Eu by differential angular correlation method in external magnetic field, 25:15016
  - Emission-spectral and radioactivation analysis of yttrium oxide with preliminary concentration of rare earth impurities by extraction chromatography, 25:57372
  - Functions of a complex variable, 22:50901
  - g-factors of the excited states in ^{147}Eu and ^{149}Eu, 24:28808
  - New information of ^{132}Ba levels excited in decay of ^{132}La and /sup 132m/La, 25:46020 (JINR-P6-5794)
  - Production of neutron deficient rare earth isotopes from Gd and Nd irradiated with 680-MeV protons, 22:33391
  - Radiochemical isolation. IV, 21:36088
  - Radiochemical isolations. V, 22:42829
  - Studies of ^{147}Gd and ^{147}Eu decay, 21:42619
  - Use of extraction chromatography for improving yttrium analysis sensitivity to rare earth impurities, 21:38879
- LEBEDEV, O. G. Nuclear fuel reprocessing by fluorination method, 23:38082
- LEBEDEV, O. V. Body burden of ^{137}Cs and potassium among population of USSR, 1962—66, 22:33804 (A-AC-82/G/L-1193)
  - Cesium-137 and K in population of USSR, 25:16069 (AEC-tr-7214, pp 126-42)
  - Study of reactive protein in ^{90}Sr administration, 21:34602
- LEBEDEV, P. I. High-voltage pulse generator, 25:9932
  - High-voltage pulse source for the deflector plates in an ion cluster input system to the synchrotron chamber, 25:9931
  - Use of nonsinusoidal shaped accelerating voltage to increase particle capture efficiency in ITEP proton synchrotron, 22:32334 (CEAL-2000, pp A91-3)
- LEBEDEV, P. P. Decay ^{89}Sr, 23:10987
- LEBEDEV, R. A. Consequencies of β-decay of ^{119}Te in some Te oxide compounds, 25:34674
  - Determination of state of ^{129}I in β-/sup 129m/TeO_3 by nuclear gamma resonance, 25:2304
  - Effect of converted isomeric transition in /sup 125m/Te on Moessbauer emission spectra in some Te compounds, 22:52895
  - Nuclear gamma-resonance study of products of β-decay of /sup 121m/Sn, 25:13074
- LEBEDEV, R. L. Check of quantum electrodynamics in electron-electron scattering, 22:20109 (NP-17322)
  - Test of the quantum electrodynamics by electron—electron scattering, 22:13712
- LEBEDEV, R. M. Automatic correction of the spatial position of a secondary particle beam in the accelerator, 25:22920
  - Sealing of illuminators for large hydrogen bubble chambers, 21:6247
  - Sealing of illuminators of large hydrogen bubble chambers, 22:19156
- LEBEDEV, S. N. Application of the Monte-Carlo method to the solution of kinetic problems of low-temperature plasma, 25:3098
  - Kinetics of annealing process of adsorption and paramagnetic centers generated by irradiation on surface of γ-Al_2O_3, 25:45574
- LEBEDEV, S. V. Focusing of charged particles by magnetic fields, 25:50583
  - Heat capacity of tungsten near melting point, 24:36906
  - Heat capacity of tungsten near the melting point, 25:2726
  - Ion motion in a double-lens accelerator with closed electron drift, 25:49886
  - Luminescence of scintillators excited by pulsed x radiation, 21:16179
  - Specific heat and the heat of fusion of W at high temperatures, 25:13664
  - Theory of focusing of quasi-neutral beams by axially symmetric electromagnetic fields, 21:35025
- LEBEDEV, S. Ya. Angular distribution of sputtered material in ion bombardment, 25:13966
  - Angular distributions in bcc-metal sputtering, 24:32617
  - Annealing of defects which arise in germanium during bombardment by argon ions, 25:38564
  - Currents and EMF in Si and Se on neutron irradiation, 24:28152
  - Effect of some fission fragments on the operation of cesium diodes, 22:43195
  - Emf of a semiconductor coated with a fissionable material, 25:7449
  - Energy spectrum of secondary electrons on passage of alpha particles through thin films, 23:44157
  - Energy spectrum of secondary electrons produced by α particles and fission fragments passing through thin films, 23:46245
  - Fine structure in angular distributions during sputtering, 25:24842
  - Interdiffusion studies in uranium—silicon systems, 23:14353
  - Operation of a cesium thermionic converter in the presence of an inert gas, 21:5117
  - Performance of a thermionic converter in a Cs—Ne mixture, 21:2080
  - Secondary emission of InSb single crystals bombarded by Ar ions, 25:1265
  - Secondary ion—electron emission of Au and Cu during bombardment by Ar ions, 25:49700
  - Secondary-electron emission after reflection by fission fragments and α particles, 24:44976
  - Short-circuit currents of Si and Se photocells irradiated with neutrons, 25:6597
  - Sputtering InSb single crystals with fast Ar ions, 24:26299
  - Sputtering of InSb single crystals with 70-keV Ar ions, 23:44526
  - Sputtering of Ta and Ta—Nb single crystals, 24:24111
  - Sputtering of W and Mo by 70-keV ^{40}Ar$^+$ ions, 23:44156
- LEBEDEV, V. A. Charged states in moessbauer effect and hot atom chemistry in solids, 24:9356
  - Effect of converted isomeric transition in /sup 125m/Te on Moessbauer emission spectra in some Te compounds, 22:52895
  - Interaction of zinc with beryllium, 22:28785
  - Investigation by the electromotive force method of the state of uranium in liquid uranium—bismuth solutions, 22:28788
  - Investigation by the electromotive force method of the thermodynamics of liquid zinc—uranium alloys, 22:28786
  - Investigation by the electromotive force method of the state of liquid lanthanum—bismuth solutions, 22:28787
  - Investigation by the electromotive force method of the thermodynamics of the intermetallic compounds of bismuth with uranium, 22:28789
  - Local changes in valence and structure caused by nuclear transformation in Co, Fe, I, and Te compounds, 25:56381
  - Polarization of a zinc cathode during thorium precipitation from molten halide salts, 25:42821
  - Polarization of Bi cathode during Th precipitation from chloride melts, 24:36882
  - Tellurium-125 Moessbauer effect study of electron capture in certain ^{125}I compounds, 24:36335
  - Thermodynamic properties of cerium in molten zinc, 25:55442
  - Thermodynamics of La—Zn system, 24:14737
- LEBEDEV, V. B. Device for observing nuclear magnetic double resonance ^{1}H—^{31}P and ^{19}F—^{31}P by means of spectrometers with frequency of 40 MHz, 22:24473
- LEBEDEV, V. E. Space—energy and time distribution of neutrons in boron-containing media, 25:4159
- LEBEDEV, V. I. Doubled microtron, 22:7584
  - Finding solutions to certain transfer problems, 22:20420 (JPRS-43682, pp 150-64)
  - Possible solutions of various transport problems, 22:29860
  - Use of suspension of rocks and minerals in the method of flame spectrophotometry, 23:19639
- LEBEDEV, V. M. Content of stable strontium in human bony tissue and diet, 23:22159 (AEC-tr-6944, pp 78-81)
  - Metabolism of ^{90}Sr and stable strontium in rats, 25:23951 (AEC-tr-7195, pp 40-3)
- LEBEDEV, V. N. Attenuation by concrete of neutron flux emitted at 90 deg to the direction of primary proton beam of 10 GeV synchrophasotron, 21:3908 (JINR-P9-2933)
  - Biological shielding and technique of rapid ejection at 70 GeV, 24:1682 (CERN-Trans-69-13)
  - Biological shielding and technique of rapid ejection, 24:18321 (ORNL-tr-2290)
  - Comparison of radial shape of radiation field around JINR proton accelerators, 21:37959 (JINR-P9-3393)
  - Induced radioactivity at IHEP proton synchrotron, 24:37995 (ORNL-tr-2328)
  - Induced radioactivity of proton synchrotron of Institute of High Energy Physics, 24:33065 (IFVE-ORE-69-76)
  - Measuring fluxes of nucleons having an energy greater than 600 MeV, 24:44265
  - Methods for determining the distribution and quality factors of penetrating radiation for LET, 21:12875
  - Radiation safety at high energy accelerators, 23:49282
  - Shielding tests at 10-GeV proton synchrotron neutron beam, 24:45714
  - Size of the protective zone around proton accelerators, 22:20396
  - Tissue dosimetry of radiation generated by high energy accelerators, 24:23026 (ORNL-tr-2286)
  - Tissue dosimetry of radiations generated by high-energy accelerators, 24:9695 (JINR-P16-4765)
- LEBEDEV, V. P. Creep of indium in normal and superconducting states, 25:7346
  - Influence of the superconducting state on the creep of metals, 24:32764
  - Thermal expansion of Nb, Mo, and their alloys at low temperatures, 23:41623
- LEBEDEV, V. V. Proton flux from 1.5 to 50 MeV on satellites Zond-4 and Zond-5, 25:30164
- LEBEDEV, Ya. I. Improving the quality of martensitic steel by treating it with rare earth metal alloys, 21:11234
- LEBEDEV, Ya. S. Delocalization of electrons captured in γ-irradiated aqueous alkali glass at 77°K, 23:2321

  Electron paramagnetic resonance spectra and radical pair structure in γ irradiated dimethylglyoxime monocrystals, 23:40696
  EPR spectra and spatial distribution of macroradicals in γ-irradiated polycaprolactam, 23:4651
  Formation of pairs of radicals during the radiolysis and photolysis of organic peroxides, 23:254
  Paramagnetic relaxation of macroradicals stabilized in γ-irradiated polycaprolactam, 24:38901
  Radical pairs in irradiated dimethylglyoxime, 25:46513
  Radical pairs in irradiated organic solids, 24:231
  Steric distribution of radicals in gamma irradiated chilled aqueous solutions, 23:11549
LEBEDEVA, A. M. Radiation induced increase of stability of polymerizing emulsion systems, 22:37801
LEBEDEVA, E. Local irradiation and its combination with drugs in homotransplantation of organs, 23:47995
LEBEDEVA, E. D. Effect of x-ray on viability of organs and tissue, 24:2786
  Possibility of prolonging T+E terms of take of skin homotraplants by the method of local x-ray irradiation, 21:39504
LEBEDEVA, E. N. Heats of desorption of K and Cs on surface of W, Mo, and Ta, 24:51158
LEBEDEVA, G. A. Biological effect of nitrate ^{232}Th, 23:22376 (AEC-tr-6944, pp 359-74)
  Blastomogenic effect of ionizing radiation on dogs, 25:52211
  Changes of nerve formation and gastrointestinal mucous membrane at remote periods after irradiation, 23:12225
  Effects of oxathiole on condition of liver and kidneys during ^{210}Po-induced chronic radiation sickness, 25:29563
  Irradiation damage of stomach induced by radioactive cerium, 21:11033
  Morphological changes in blood vessels of gastrointestinal tract in injury with radioactive Ce, 21:22691
  Morphological changes of the intestine in acute radiation sickness from external irradiation, 22:23655
  Morphological changes of the liver in animals injected with radioactive strontium, 21:20349
  Reparative processes in membrane of intestine in irradiation, 24:6114
  Some findings on the development of cirrhosis of the liver under the influence of radioactive cerium, 23:22384 (AEC-tr-6944, pp 463-9)
LEBEDEVA, G. D. Effect of various saline compositions of water on the build-up of ^{90}Sr and ^{137}Cs in freshwater fish, 23:22248 (AEC-tr-6944, pp 227-34)
  Influence of different salt composition of water on ^{137}Cs accumulation and excretion in fresh water fish, 21:22312
  Influence of Sr on fresh water organisms, 23:38518
  Uptake of ^{65}Zn by fish, 25:24009
LEBEDEVA, I. A. Gamma-therapy of reticulosarcoma of the bones, 21:39447
LEBEDEVA, L. I. Comparative study of free radicals and radiosensitivity of seeds, 22:23424
  Comparative study of the chromosome aberrations and free radicals in irradiated pea seeds, 23:29448
  Effect of storing irradiated peas at a temperature of —196°C, 21:18183
LEBEDEVA, L. K. Multichannel high-speed semiconductor devices for experiments in physics using 10 GeV synchrophasotron, 21:6293
LEBEDEVA, M. A. Method based on the similarity of radiation fields for adjusting and verifying dosimetric instruments, 22:23334
LEBEDEVA, M. F. Material for manufacturing ionizing chambers which measure the dose of x-ray radiation, 21:10676 (AD-640298)
LEBEDEVA, N. E. Direct and distant effects of radiation on the level of quinones in organs and tissues of rats, 21:36522
  Influence of radiotoxins on hormonal induction of tryptophan pyrrolase, 23:17950
  Radiomimetic action of products of the oxidation of tyrosine on the erythrocyte membrane, 21:36502
LEBEDEVA, N. S. 4-MeV neutron scattering at angles near 180°, 25:41226 (IAE-1962)
  Anomalous neutron scattering, 25:1773
  Coulomb scattering of 4-MeV neutrons by Cu, Pb, and U, 21:46747
  Elastic neutron scattering at small angles, 25:28500
  Elastic scattering of neutrons with energy 4 MeV in small angles by nuclei of copper, indium, tin, lead, bismuth, and uranium, 24:3879 (IAE-1653)
  Elastic scattering of polarized 4 MeV neutrons by medium and heavy nuclei, 21:23442 (ANL-Trans-462)
  Elastic scattering of polarized 4-MeV neutrons by heavy and medium-weight nuclei, 21:42648
  Elastic scattering of polarized neutrons with energy 4 MeV on nuclei ^{9}Be, ^{12}C, ^{59}Co, ^{62}Ni, ^{80}Se, ^{93}Nb, ^{114}Cd, ^{115}In, ^{118}Sn, ^{127}I, Pb, and ^{209}Bi, 22:14019
  Polarization effects during Coulomb scattering of 4-MeV neutrons by nuclei of Cu, Pb, and U, 22:20549
  Polarization in Coulomb scattering of 4-MeV neutrons by Cu, Pb, and U, 21:7776 (ANL-Trans-371)
  Polarization of neutrons in the (d,d) reaction, 25:46068
  Scattering of 4-MeV neutrons at angles close to 180°, 25:5762
  Scattering of neutrons with an energy of 4 MeV at angles close to 180°, 25:12509 (ANL-Trans-855)
  Small angle elastic scattering of 4 MeV neutrons by nuclei Cu, In, Sn, Pb, Bi, and U, 23:13232
  Small angle elastic scattering of polarized 4-MeV neutrons by medium and heavy nuclei, 21:19264
  Stabilization of amplification coefficient of scintillation neutron spectrometers, 23:38304
LEBEDEVA, O. M. Flux densities of some radio sources in frequency range 12 to 25 MHz, 24:21495
  Processes leading to deviations of spectra of discrete sources, 24:19620
  Spectra of discrete radio sources, 24:21483
  Spectra of discrete radio sources at decametric wavelengths. I, 23:36332
  Spectra of discrete radio sources at decametric wavelengths. II, 23:36337
LEBEDEVA, O. P. Influenza in irradiated and immunized mice, treated with marrow, 21:8975
LEBEDEVA, V. N. Color centers in alkali halide crystals, 24:24120
  Visualization of color centers in alkali metal halide crystals, 23:30620
LEBEDEVA, V. V. Determination of the concentration of electrons in an a-c carbon arc, 21:743
LEBEDEVA, Z. M. Coulometric titration of Se(IV) and Te(IV) using electrolytically generated Sn(II), 23:24081
LEBEDEVICH, G. I. Pi$^+$ meson production in pp interaction at 660 MeV, 24:8562
  Production of slow π mesons by 660-MeV protons in interactions with photoemulsion nuclei, 25:53010
  Production of the underbarrier π mesons in the interaction of protons with energy 9 GeV with heavy nuclei of the emulsion, 22:1384
  Taking account of particles leaving a detector due to scattering, 23:35514 (JINR-P1-4490)
  Yield of slow π mesons from nuclear emulsion, 22:39260
LEBEDEVJ, V. A. Thermodynamics of Pu—Bi system, 24:1025
LEBEDINETS, V. N. Meteor ionization in E layer, 25:9307
LEBEDINSKII, A. I. Phenomenology and morphology of aurorae, 23:46401
LEBEDINSKII, A. V. Criteria of radiation safety in prolonged space flights, 21:43391
  Model investigations of cosmic radiation biologic effect, 22:23652
  Neuro-hormonal mechanisms of the reaction to ionizing radiation, 21:18157
LEBEDINSKII, M. A. Electrovacuum materials: assortment and use, 21:4897 (JPRS-37911)
LEBEDNIK, P. A. Effect of Milrow nuclear test on marine organisms, 25:49142
  Spatial and seasonal distributions of marine algal communities at Amchitka Island, Alaska, 25:49139
LEBEL, Etienne Determination of renal plasma flow, 24:12192
LEBEL, J. L. Lymphosarcoma associated with nodal concentration of plutonium in dogs: a preliminary report, 24:41976
  Prog. rpt. on study of translocation of plutonium and americium from puncture wounds, 12/16/69—6/15/71, 25:46901 (COO-1787-11)
LEBEL, Jacques L. Kinetics of lymph node activity accumulation from subcutaneous PuO$_2$ implants, 24:25383
  Prog. rpt. on study of translocation of plutonium and americium from wounds, 4/1/68—6/15/71, 25:44840 (COO-1787-12)
  Translocation of Pu and Am from puncture wounds, 24:14390 (COO-1787-8)
LEBEL, Norman A. Solvolytic studies of bicyclooctenyl derivatives, 23:24206
LE BELLAC, M. Backward pion—nucleon scattering and fermion-exchange mechanisms, 22:32164
  Conspiracy relations formulated in terms of direct-channel amplitudes, 22:32222
  Duality and gauge properties of twisted propagators in multi-Veneziano theory, 24:40489
  Elementary particles and cosmic radiation, 25:22379
  High-energy hadron scattering, 22:46445
  Kinematical constraints on Regge pole residues, 21:31591 (NP-16821)
  Kinematical constraints on Regge-pole residues, 22:11683
  Operator approach to dual multiparticle theory, 25:43578
  Photoproduction of charged pions in Regge pole model, 21:21165
  Relations between Feynman gas and multiperipheral models, 25:53145
  Resonance spectrum in the Veneziano model, 25:53160
  Sum rules and Jost—Lehmann—Dyson representation, 21:21290
  Test of Regge-pole model with absorption in $\pi N \rightarrow \omega N(\Delta)$, 23:32753
  Threshold theorems for the photodisintegration of the deuteron, 23:15042
  Twisting operator in multi-Veneziano theory, 24:24456
  Twisting-invariant factorization of multiparticle dual amplitude, 24:24455
  Vector meson dominance and high-energy behavior, 24:1613
LE BELLAC, Michel Duality and dual models, 25:30825
LEBENBAUM, D. Moessbauer effect in ^{193}Ir in intermetallic compounds and salts of iridium, 22:1348
  Moessbauer effect to measure small vibrations, 21:34619
LE BER, J. CAD helps in choosing devices for circuit optimization, 24:4540
  Reliability of components under radiation stress, 21:1923
  Reliability of planar transistors exposed to irradiation—restoration cycles, 24:4538
LE BER, Jacques Behavior of silicon planar transistors exposed to ^{60}Co γ rays, 22:21402 (CEA-R-3313)
  Unitary sorting and dependability of planar transistors under irradiation—restoration cycles, 23:16213 (CEA-CONF-1145)
LEBER, Robert L. Livermore superconducting Levitron, 25:43399 (UCRL-73076)
LE BERRE, F. Calculation of power bursts in swimming pool reactors, 21:27818
LE BERRE, Francois Power bursts in swimming-pool reactor, 22:14256 (CEA-R-3202)
LEBEY, J. Device for regulating the power of a nuclear reactor, 22:22885
  Nuclear reactor control apparatus, 22:12153
  Nuclear reactor power regulating device, 22:20868
LEBEY, Jacques Regulating the power level of a nuclear reactor, 21:35638
  Support for a nuclear fuel element, 24:26843
  Support for a nuclear fuel element, 24:26844
LE BEYEC, Y. Alpha emission from light polonium isotopes, 22:30032
  Measurement of intensity of beam of alpha particles, 24:15726
  Mechanism of nuclear reactions induced by high-energy α particles. I, 24:5427
  Mechanism of the nuclear reactions induced by α particles of heavy nuclei, 25:17938
  Reactions between protons and complex heavy nuclei at 30 to 155 MeV, 21:29978
LEBEZ, D. Catheptic activity in organs of normal and irradiated rats, 24:34401
  Effect of irradiation and hormones on catheptic activity in rat spleen, 25:32532
  Effect of methylcellulose on irradiated guinea pig spleen, 23:20379
  Labelling of snake venoms with radioactive isotopes, 24:50669
LEBEZ, Drago Effect of gamma rays on proteolytic activity of in vitro irradiated blood cells. I, 22:47579
  Effect of gamma rays on proteolytic activity of in vitro irradiated blood cells. II, 23:6386
  Effect of whole-body gamma-irradiation on the N excretion in rat large intestine, 22:33922
  Effect of whole-body irradiation on the proteolytic activity in rabbit leukocytes, 21:32749
  Proteolytic activity of in vitro irradiated blood cells. III, 23:20321
LE BIHAN, M. Th. Crystallographic study of cuproskiodowskite, 22:51116
LE BIHAN, R. Capillary emitter of cesium ions: application to thermionic converters, 21:9364
LEBIN, A. Ya. Inelastic pion—nucleon interactions with high multiplicity and the one-pion exchange model, 25:59496
LEBIN, V. I. Extraction with tributyl phosphate from hydrochloric acid solutions. I, 22:30676
LEBL, Pavel Emergency cooling of nuclear power reactor using natural circulation of the coolant, 21:17500
LEBLANC, Adrian Medical radiation exposure survey, 24:48568
  Personnel monitoring in a nuclear medicine laboratory, 25:46853
LEBLANC, Adrian D. Handling of ^{133}Xe in clinical studies, 25:21769
  Radiation safety problems with the double isotope assay of aldosterone, 24:31970
LEBLANC, Andre Thermionic generator for re-entry vehicles, 24:12671 (SC-DC-64-442)
LEBLANC, J. C. Dependence on wavelength of photoproduct yields in uv-irradiated poly U, 21:20084
  Uv photochemistry of cytidylic acid, 22:45441
LEBLANC, J. G. EXP-NRU-305 experiment design and irradiation, 21:42723 (AI-CE-43)
  Mercury Rankine program integrated system test system operation, 21:1523 (NAA-SR-11945(Vol.1))
  Negative thermal expansion in UZrH reactor fuel, 24:32496
LEBLANC, J. M. Fabrication and irradiation performance of fast reactor fuel (UO$_2$—PuO$_2$), 23:10301
  Numerical example of the collapse of a rotating magnetized star, 24:42318
  Prog. rpt. on fast reactor fuel development, 6—12/65, 21:23598 (EURFNR-268)
LEBLANC, L. J. Optical properties of some transition metals, 22:13556
LEBLANC, M. A. R. Correlation between critical currents and critical magnetic fields in nonideal type-II superconductors, 21:33301
  Critical conduction and induced currents in the surface of Nb (25 percent) Zr ribbon at low fields, 21:31374
  Critical current for type-II superconducting wires in longitudinal fields, 24:28205
  Critical state equation for superconducting niobium wires, 22:52685
  Dependence of pinning force on magnetic fields in type-II superconductors, 23:3418
  Diamagnetic and paramagnetic surface currents induced by temperature changes in type-II superconductors in static magnetic fields, 21:29181
  Enhancement of the Meissner effect in type-II superconductors by a heat pulse, 21:43998
  Interaction of conduction and induced currents in Nb$_3$Zr wires subjected to axial fields, 21:23143
  New magnetic phenomenon in type-II superconductors, 24:26110
  Optimization of conduction and induced currents in type-II superconductors, 21:41962 (NP-16945, pp 122-32)
  Prog. rpt. on magnetic, thermal, and transport current phenomena in high field superconductors, annual, 1966, 21:23139 (USC-113-P-16-3)
  Voltages generated by vortex motion in Type-II superconductors, 23:6964
LEBLANC, Michel Control of the homogeneity of colaminated plates by photometry, 23:40457 (ORNL-tr-2131)
  Testing the homogeneity of laminated plates by photometry, 23:9239 (CEA-CONF-1079)
LEBLANC, P. Airway closure, 25:4428
LEBLANC, R. Pressure dependence of positron annihilation rates in the alkali metals, 25:49455
LEBLANC, R. M. Radiolysis of ethyl iodide and carbon tetrachloride mixtures at 77°K, 22:33427
LEBLANC, Y. Coronal enhancements, 24:17543
  Coronal scattering, absorption, and refraction of solar radio bursts, 25:22318
  Correlation between coronal enhancements and radio condensations, 23:39206
  Dimensions, temperature, and electron density of quiet corona, 23:39201
  Effect of solar wind velocity on Jovian decametric emission, 25:38129

Observations of quiet Sun at decameter wavelengths, 25:38102
Origin of the solar wind velocity variations, 24:44901
Sizes and electron density of coronal enhancements, 24:28007
LEBLANC, Yolande Two new methods of calculating the temperature and density of the coronal condensations observed at metric wave length and in white light, 24:32570
LEBLOND, Ph. HPD performance under control of a small computer, 21:41256
LEBLOND, R. Marrow infusions in dogs given midlethal or lethal irradiation, 24:14520
LE BLOND, R. F. Transplantation of allogeneic canine bone marrow, 23:33654
LEBO, G. R. Interferometry of Jupiter, 24:25945
Morphology of Jupiter's decametric radio sources, 21:39885
Radio and optical observations of the Hercules Cluster of galaxies, 22:43848
LE BOETE, Frederic Sulfurization of powdered thorium by hydrogen sulfide, 23:28815
LEBOK, F. Information on the life of insulating systems for electrical plant in power engineering, 25:788
LEBOK, Franz Prediction of life expectancy of insulating materials used in nuclear technology, 24:30061
LEBON, G. Displacement of corresponding energy levels in mirror nuclei, 21:2779
Displacement of corresponding energy levels in mirror nuclei, 22:7763
Perturbation of resonance states and energy shift in mirror nuclei, 21:23547
Phenomenological study of rotation and vibration motions in deformed heavy nuclei. I, 21:23548
Phenomenological study of rotation and vibration motions in deformed heavy nuclei. II, 21:23549
LEBON, Georgy Lagrangian evolution criterion in magnetohydrodynamics, 24:19801
LEBON, Pierre Various regimes of an electric discharge of the Penning type at very low pressures, 21:25159
LE BORGNE, Edmond Lanthanum diffusion in molten uranium, 24:10050 (UCRL-19072)
LEBORGNE, F. Jr. Experimental otosclerosis, 24:41982
LEBORGNE DE KAHOUEL, C. Influence of administration of lanosterol to Swiss mice following whole-body irradiation, 24:6062
LE BOT, Camille Fluid-flow control valve, 24:19131
LE BOT, Michel Analog treatment of results concerning control by eddy currents, 25:39670 (CEA-R-3989)
Study of modification of regulation of Cadarache Van de Graaff generator, 23:10873 (CEA-R-3580)
LE BOUC, Francois New process for magnetohydrodynamic conversion and an apparatus using the process, 25:33099
LEBOUCHE, Michel Vacancy quenching in Nb, 25:19245
LEBOUCHER, Jean-Claude Precursor phenomena of shock waves in argon, 21:9616
LE BOUFFANT, L. Behavior of coal during irradiation in Cl or O, 21:40904
LE BOUFFANT, Leon Experimental cytopathology: experimental study of the origin of alveolar macrophages of the rat, 25:41649 (LF-tr-52)
LE BOUFFANT, M. Lung clearance: silicosis and anthracosis, 24:541 (CEA-CONF-1314)
LE BOUHELLEC, J. Routine on-line analysis, 24:44061 (CEA-N-1292, pp 29-52)
LE BOUHELLEC, Joeel Decontamination of installations in irradiated fuel processing pilot-plant, 21:14635 (CEA-R-3104)
LE BOUHELLEC, Joel Study of the diffusion of the radioactivity of glasses and bitumen-coated materials, 23:40967 (CEA-R-3751)
LEBOULANGER, M. Repair of steam generator tube bundles in Marcoule, 24:4007
LE BOULBIN, E. Determination of fission gases in irradiated uranium dioxide, 23:2189
LE BOULBIN, Emile Hot-cell metallography, 21:36861 (CEA-R-3188)
Preparation of uranium ingots from double fluorides, 21:34863 (CEA-R-3248)
Preparation of uranium ingots from double fluorides, 23:10175 (ORNL-tr-1828)
LEBOULEUX, P. Consequences of the contamination incident at the Saclay Center of nuclear studies pile from standpoint of radiation protection, 23:12108
Control of atmospheric contamination by tritiated water vapor near EL.3 reactor, 23:19522 (CEA-CONF-1086)
LEBOULEUX, Ph. Behavior of fission products in operation of CEN reactors, 24:16215 (CEA-CONF-1435)
Real time treatment of information provided by atmospheric contamination detectors, 25:55006
LEBOULEUX, Philippe Detection of contamination of air by tritiated water vapor around reactor EL 3, 23:7729 (CEA-R-3617)
LE BOURDONNEC, Yvon Climatic conditions of work in pressurized suits, 25:32428 (CEA-N-1407)
Tests on an automatic air purifying respirator, 25:10752 (CEA-N-1360)
LEBOUTET, H. Calculation of the positon matching optical system in a linear accelerator, 22:18051
Characteristic problems of the new high duty cycle Saclay electron linac, 21:11861 (LA-3609, pp 426-34)
Converter and positron acceleration on A.L.S, 23:28006
Deflection systems for stigmatic and achromatic beams, 24:30625
Design and construction of Saclay Linear Accelerator, 24:24470
Dynamics of the beam of electrons in the A.L.S, 23:28005
First operation of the high duty cycle Saclay electron linac (A.L.S.), 23:28004
Improvement of the bunching in injectors for electron linacs, 25:50412
Low energy, high intensity electron accelerators, 25:50234
Maryland University sectored isochronous cyclotron Music, 21:38106
Particle accelerator, 22:11846
Saclay electron linear accelerator, 23:17014 (CEA-CONF-1229)
Saclay electron linear accelerator, 23:44801
Saclay Linear Accelerator as a positron accelerator, 24:24474
Saclay Linear Accelerator as an electron accelerator. III, 24:24473
Saclay Linear Accelerator as an electron accelerator. II, 24:24472
Saclay Linear Accelerator as an electron accelerator. I, 24:24471
Strong focusing microtron, 23:28183
Variable energy accelerating structure, 25:50411
LEBOUTON, A. V. Liquid scintillation spectrometry of tritium-labeled proteins, 23:17358
LEBOVITZ, N. R. Asymptotic nature of Clairaut theory, 25:16648
Effect of an arbitrary law of slow rotation on the oscillations and the stability of gaseous masses, 24:27945
Principle of exchange of stabilities. II, 22:863
Pulsations and the dynamical stability of gaseous masses in uniform rotation, 22:26136
LEBOWITZ, A. I. Mechanization of USAEC Library. I, 21:2925 (TID-22643)
LEBOWITZ, E. Accelerator studies at BNL, 25:46528 (CONF-700646-, pp 8-9)
Auxiliary cyclotron beam monitor, 25:1687
Molecular beams of short lived radioactive nuclides, 25:33060
Production of ^{52}Fe for medical use, 25:13063
Production of radioisotopes by spallation, 24:9594 (BNL-50195)
Production of radioisotopes by spallation, 24:50421
Production of tritium from bombardment of ^{4}He with 2.2-GeV protons, 23:25776
LEBOWITZ, Elliot Production of tritium from ^{4}He bombarded by high-energy protons, 22:26829
Prompt emanation of astatine and radon, 24:13987
LEBOWITZ, J. Gamma rays from decay of ^{24}Na and the ^{27}Al(n,α)^{24}Na reaction, 24:22126
LEBOWITZ, J. M. P-wave neutron fission of ^{235}U, 22:32631
LEBOWITZ, Jacob Internal bremsstrahlung accompanying orbital-electron capture in ^{7}Be, 25:28200
LEBOWITZ, Jacob M. Internal bremsstrahlung accompanying the electron-capture decay of ^{54}Mn, 24:15840
Radiative orbital electron capture in ^{57}Co, 25:34028
LEBOY, E. L. Television measuring projector for bubble chamber photographs, 22:10598
LE BRAS, M. Coupled investigation in the study of the pancreas, 24:12198
Pancreatic scintigraphy by electronic subtraction, 24:19334
LE BRET, P. Effect of thermal cycling on U alloys creep, 23:38966
Magnesium alloys for cans and plugs of fuel elements, 22:31379
LEBRETON, P. R. Comment on quenching of glory undulations in atom—molecule scattering, 24:1291
Electronic excitation in fast collisions of Na with SO_2 and NO_2, 25:58749
Vibrational quenching of glory undulations in scattering of Na from polyatomic gases, 22:5115
LEBRETON, S. Action of uv in presence of chlorpromazine on blood, 23:31918
LEBREUIL, G. Digestive lesions following anticancer treatment, 22:51887
Ionizing radiation on enterochromaffin cells of rat, guinea pig, and swine GI tract, 22:49539
LEBRIE, S. J. Influence of uranium-induced renal injury, 23:50318
LEBRON, J. C. Determination of corrosion points in boiler pipes by means of ^{170}Tm isotopes, 24:50640
LE BRUMANT, Jacques Spectra of N-dideuterated liquid and solid ethylenimine, 23:35092
LE BRUN, C. Spark chambers with magnetostrictive readout, 24:36621
LEBRUN, Claude Excited levels of ^{20}Ne, 24:40582
LEBRUN, J. Osteosarcomas of irradiated infants, 22:49453
Radiation effects on thin-film solar cells, 24:33983
LEBRUN, J. P. Adler condition in a dual relativistic quark model, 25:14685
Elimination of unphysical states in meson bootstrap models, 24:42959
Feynman-parameter representations for momentum- and configuration-space diagrams, 23:15233
Meromorphic dual amplitude for two-fermion—three-boson scattering, 24:42896
Moving branch points and two-body inelastic reactions, 24:3588
Regge cuts and neutral pion photoproduction, 24:3579
LEBRUN, J.-P. Stability of solutions to Low equations vs. production, 23:32735
LE BRUN, Jacques Rare earths, 23:17423
LEBRUN, Jean-Pierre Physical 3-particle unitarity equations in static S-matrix theory, 23:15274
LEBRUN, Michele Analysis by spectrometry of x-fluorescence radiation. Determination of P—W—Zr in phosphotungstate, zirconium tungstate, zirconium phosphate, 23:1 (CEA-R-3474)
LEBRUN-PEREMANS, J. Effects of microirradiations on microsporophaytes and microspores of Tradescantia paludosa. I, 23:48018
LE BRUSQ, Henri Direct determination of pressures of oxygen in equilibrium with oxides, 23:24995
LEBSAK, V. L. Nonstationary processes in an electric arc heater, 22:9387
LEBSKII, Yu. V. Effective temperature of cosmic blackbody radiation at 3.58 mm, 25:45286
Radio emission of Crab Nebula and Jupiter at 77.5-GHz frequency, 22:13111
LEBWOHL, P. Properties of vortex lines in superconducting barriers, 22:1118
LEBWOHL, Paul Allen Weak superconductivity, 24:5123
LECACHEUX, B. External applicators made of acrylic resin for carrying ^{192}Ir, 22:43380
Molded appliances in radium therapy, 22:45634
Molded applicator for carrying radiophosphorus, 24:383
Protective appliances used during interstitial radiotherapy of cancer of the mouth, 22:49364
Protective prosthesis in the course of interstitial curietherapy in cancer of the lower lip, 21:22439
Protheses for protection during interstitial radium therapy in stomatology, 23:2893
LE CAER, Gerard Study by Moessbauer effect of the solid solution of iron in beryllium, 23:21010
LE CALVE, J. Effects of additions on He_2 afterglow in He excited by electrons, 25:24868
Measurement of radiative lifetimes of CO_2^+(A^{2}PI/sub u/), CO_2^+(B$^2\Sigma$/sub u/$^+$), CH(A$^2\Delta$) and CO(C$^1\Sigma^+$) by pulsed radiolysis, 25:30273 (ANL-Trans-879)
Pulsed-radiolysis study of atomic oxygen reactions in the gas phase, 23:281
LE CALVE, Jacques Spectroscopic study of molecular complexes between fluorides of hydrogen and deuterium, 24:33701
LECAM, Lucien M. Conference on mathematical statistics and probability, Berkeley, Calif., 6—7/65 and 12/65—1/66. III, 22:34815
LECANDER, R. G. Angular dependence of ^{19}F nuclear relaxation times in dilute SrF_2:Eu^{++}, 22:24449
Dynamic nuclear polarization of Pake doublets, 21:41807
Magnetic susceptibility studies of cubic laves phases Sc(Ni/sub 1-x/ Co/sub x/)$_2$, 23:34503
LECANDER, Ronald Glen Effects of impurities and vacancies on nuclear magnetic resonance line shapes in intermetallic compounds, 21:18798 (IS-T-122)
LECANTE, A. Electrochemical properties at high temperatures of the system zirconia—neodymium oxide, 22:23832
Physico-chemical properties of solid binary electrolytes, 23:21700
LECANTE, J. Interactions between low-energy electrons and adsorbed carbon monoxide, 22:11014
LECAR, Myron Approach to equilibrium of a one-dimensional self-gravitating gas, 23:30569
Check of Lynden-Bell statistics for collisionless one-dimensional stellar system, 23:34147
Numerical experimental check of Lynden-Bell statistics. II, 24:15114
Relaxation of a one-dimensional self-gravitating gas, 21:44210 (NASA-SP-153, pp 299-308)
Relaxation of a two-component self-gravitating gas, 21:43695 (NASA-SP-153, pp 309-14)
Validity of Vlasov equation for one-dimensional self-gravitating gas, 21:31173
LE CARS, F. Prestressed concrete pressure vessel of the Vandellos nuclear power plant, 25:31454 (EUR-4531, pp 81-94)
LECCIA, F. Excited states of ^{28}Si, 24:38187
First excited states of ^{36}Ar, 24:38200
Measurement of the mean life of the 3.085-MeV level of ^{13}C, 21:19181
Measurements of the mean lives of the first excited states of ^{32}S, 23:52129
LECCIA, Francis Doppler effect contribution to the mean lifetimes of nuclear excited states, 23:42872
Measurements of the mean lives of some excited states of the ^{36}Ar nucleus by Doppler effect, 24:20349
LECCISOTTI, A. Use of /sup 99m/Tc for cerebral scintigraphy, 25:26818
LECH', G. Method for measuring the dispersion of direction measurements in bubble chambers, 21:28260
LECHACZINSKI, M. Tensor and vector polarization in 22-MeV deuteron scattering on protons, 21:21422
LECHACZYNSKI, M. Application of two PDP 8 computers in experiments requiring real time preanalysis and concurrent data analysis, 23:47894
LECHACZYNSKI, M. A. Inexpensive magnetic tape for small computer use, 23:40525 (UCRL-19230)
LECHANOINE, C. Magnetic analysis in an inhomogeneous field, 23:19108
Spin—parity analysis of 3π decays in the A_2 meson region, 23:14983
Test results of digitized wide-gap wire chambers, 21:36334 (CERN-67-13)
LE CHAPELAIN, C. Oxido-reduction potential of venous blood in x-irradiated rabbits, 25:32548
LECHARNY, Brigitte Factors influencing insulin release in vitro, 23:11948 (CONF-671111-, pp 115-28)
LECHAT, P. Maximum labeling index and the effect of drugs, 25:46668
LE CHATELIER, J. Heavy water plant of Mazingarbe, 22:35894
Heavy water plant, 22:27696
LECHATON, J. Iron-57 hyperfine fields in dilute Pd—Fe alloys, 22:17763
LECHAUGUETTE, Guy Method for reproducing pictures, 23:2645
LE CHEVALLIER, J. Induced and spontaneous cerebral electrical activity in adult rabbits subjected to whole-body gamma irradiation, 25:21833 (CEA-CONF-1720)
LE-CHI-NIEM Two-channel calculation for elastic α—α scattering, 25:43784
LECHLITER, G. L. Input functions for computer description of fuel properties. II, 21:8164
Input functions for computer description of fuel properties. I, 21:8163
JEFF: a program for analysis of swelling of porous-oxide fuels, 21:8131
LION: temperature distributions for arbitrary shapes and complicated boundary conditions, 21:225 (KAPL-M-6532)
LWB/LSBR development program: input properties for computer description of fuel properties, 22:35665 (KAPL-3300)

  LWB/LSBR development program: temperature distributions with self-shielding, 22:35664 (KAPL-3199)
  MIMIC: digital simulator program, 21:40724 (KAPL-M-6708)
  NUKER: a program for thermal and mechanical analysis of fuel rods, 21:8130
  SNEQ: combination of programs to plot curves and/or solve nonlinear algebraic equations, 21:40725 (KAPL-M-6709)
LECHLITER, Gerald L. Effect of fission distribution on calculated temperature distributions of fuel rods, 21:8129
  Effect of self-shielding corrections on calculated temperature distributions, 22:27486 (KAPL-P-3175)
  Some input functions for computer description of fuel properties. II, 21:1940 (KAPL-P-3174)
  Some input properties for computer description of fuel properties. I, 21:10213 (CONF-661001-36)
LECHNER, R. Pressure-induced phonon frequency shifts in lead measured by inelastic neutron scattering, 21:7360
LECHNER, Ruep Measurement of pressure-induced phonon energy shifts, 21:831
LECHNICK, W. Induction of crevice corrosion in reactor materials by concentration of coolant additives, 24:961
LECHOWICH, R. V. Effects of microwaves upon Streptococcus faecalis and Saccharomyces cerevisiae, 23:29911
LECHOWICZ, Tadeusz Silicon nuclear particle detectors produced by ion-implantation techniques, 25:15888
LECHTENBOEHMER, H. Special welding materials in reactor construction, 24:36911
  Welding problems in nuclear technology, 25:29792
LECHTMAN, Heather N. Neutron activation autoradiography of oil paintings, 23:35048
LECIEJEWICZ, J. Antiferromagnetic ordering in uranium monarsenide and monoantimonide, 23:3607
  Antiferromagnetic ordering in uranium monoarsenide and monoantimonide, 23:7029 (INR-P-937)
  Antiferromagnetism in UAs/sub 1 - x/Se/sub x/, 24:21893
  Antiferromagnetism in USb_2 and UBi_2, 21:44151 (INR-796/II/PS)
  Influence of sulfur substitution on magnetic properties of uranium monoarsenide, 25:50004
  Magnetic ordering in uranium monoarsenide, 22:3190
  Magnetic properties of uranium oxyselenide, 23:3604
  Neutron diffraction studies in Swierk, 1958—1966, 23:12340
  Neutron-diffraction measurements on antiferromagnetic UOTe at 4.2 °K, 23:51799
  Neutron-diffraction study of antiferromagnetism in USb_2 and UBi_2, 21:37571
LECIEJEWICZ, Janusz Liquid helium cryostat for neutron diffraction studies, 24:28188
  Neutron diffraction study of crystal structures of eta-phase iron—tungsten carbides, 22:41121
LECINGTON, W. C. Oxidation states of recoil ^{56}Mn in crystalline potassium permanganate, 21:43000
LECIS, A. Effects of γ radiation on egg hatchability and production in Anopheles, 21:13047
LECK, J. H. Electron-bombardment desorption of carbon monoxide adsorbed on tungsten, 21:32942
  Measurement of total pressure in range 10^{-8} to 10^{-12} torr, 25:2428
  Operation of the hot cathode ionization gauge in hydrogen, 23:38368
LECKIE, H. P. Stress-corrosion characteristics of a Ti—7 Al—2 Nb—1 Ta alloy, 21:39695
LECKRONE, David Spectrophotometric studies of gaseous nebulae. XIV, 23:48590
LECKRONE, David S. He I line profiles in normal B-type spectra, 25:30042
  Helium abundance in population I stars, 24:37028
LECKRONE, David Stanley Neutral He lines in normal B-type spectra, 25:2839
LECLAINCHE, Claude Spectrochemical analysis of impurities in plutonium and its compounds, 21:19532 (CEA-R-3051)
  Study and comparison of analytical methods for determining molybdenum in uranium—molybdenum alloys, 23:17324 (CEA-R-3634)
LECLAIR, Titus G. Can coal meet the nuclear challenge, 22:16210
LE CLAIRE, A. D. Isotope effects and correlation in diffusion in metals, 25:49440
  Mass effect in diffusion, 21:9666
LECLARE, Philip C. Study of two-filter method for ^{222}Rn, 24:17043
LECLEACH, X. Spark chamber spectrometer for heavy cosmic ions, 25:10873
LECLER, Daniel Hyperfine structures of 6^1P_1 levels of ^{199}Hg and ^{201}Hg, 21:46142
LECLERC, J. Effects of gamma irradiation of wheat flour on microflora and vitamin B_1 content, 22:43500
LECLERC, Jacques Study of molecular motion in liquid medium by means of the width of infrared vibration bands. I, 23:40638
LECLERC, Jean-Claude Production of uranium standard samples for spectrographic analysis, 24:4196 (CEA-R-3911)
LECLERC, Pierre Photovoltaic cells with concentrators, 22:19839
LECLERCQ, D. Compatibility of ferritic steels with liquid sodium at high temperatures, 25:49406 (CEA-CONF-1787)
  Corrosion of low alloy steels by carbon dioxide at moderate temperatures, 22:17075
LECLERCQ, Daniel Compatibility of various magnesium alloys with pressurized carbon dioxide at high temperatures, 23:18183 (CEA-R-3625)
  Improvements in fuel elements, 23:52360
  Protection of Be against oxidation, 23:51004
LECLERCQ, J. Theoretical calculation of the Rydberg states of the O molecule, 21:27017
LECLERCQ, J. C. Computer programs to determine the contribution of nuclear energy to electric power production, 25:34253
LECLERCQ, J. M. Relativistic self-consistent-field theory for open-shell atoms. I, 24:26026
LECLERCQ, Jean Nuclear energy in the United States, 24:45858
  Nuclear energy in United States, 25:1791
  Nuclear energy, a factor making for greater dependability of energy supplies, 21:21663
LECLERCQ, M. Oxidation of pure or alloyed zirconium by oxygen and steam, 25:618 (EUR-4507)
LECLERCQ, Michel Oxidation kinetics of pure or alloyed zirconium with oxygen or water vapor, 25:35277 (NP-18833)
LECLERCQ-AUBRETON, M. Y. Reprocessing as part of the fuel cycle, 24:46463
  Versatility in reprocessing irradiated fuels, 25:4148
LECLERCQ-AUBRETON, Y. Economic exploitation of nuclear fuels, 21:17498
LECLERCQ-WILLAIN, C. Microscopic description and cluster structure of light nuclei, 25:56654 (LYCEN-7104, S13.1-11)
  Semi-classical theory of Coulomb and nuclear excitation interference effects in heavy ion scattering, 24:49809
LECLERE, J. Experimental devices for fast irradiations, 24:41050 (TRG-Report-1911, pp 310-37)
  Tetany after radioiodine treatment for hyperthyroidism, 23:41490
LECLERE, Jacques Irradiation behavior of mixed U—Pu carbides, nitrides, and carbonitrides, 21:34973 (CEA-R-3223)
  Irradiation device Odile, 24:43809 (CEA-N-1317)
  Irradiation of mixed U and Pu carbide and nitride fuels, 24:14964 (EURFNR-688)
  Irradiation of mixed U and Pu carbide and nitride fuels in fast neutron loop "MFBS", 25:52472 (EUR-4347)
  Irradiation of mixed UO_2—PuO_2 oxide samples for fast neutron reactor fuel elements, 24:4855 (CEA-R-3878)
  Irradiation results of mixed UO_2—PuO_2 test pieces, 24:23537 (EURFNR-707)
  Natural convection irradiation device "Esther", 25:37061 (EURFNR-890)
  Natural-convection irradiation device "Esther", 25:3903 (CEA-N-1348)
  ODILE irradiation device, 25:37060 (EURFNR-889)
  Partial melting of low density mixed oxide $(U,Pu)O_2$ at beginning of irradiation, 25:4879 (CEA-CONF-1659)
LECLERT, G. Electron temperature dependence of a low-pressure Maxwellian N plasma on composition, 25:25102
LECLERT, Gerard Cyclotron resonances observed in scattering cross section of visible wavelength by a plasma, 25:25181
  Ionic population of nitrogen plasma, 24:3325
LECLIPTEUR, J. Dating results obtained by counting of radiocarbon in liquid scintillation, 21:32267
LE CLOAREC, M. F. Study of Pa(V) phosphates, 25:15641
LECLOU, Andre Liquid-cooled nuclear reactor, 24:20557
  Mechanical coupling device, especially for pressure vessels, 21:8512
  Nuclear reactor support structure, 24:24926
LECLOUX, M. DIFHYD: method for calculation of H diffusion in liner tube of Zr alloy, 23:24843 (EUR-4202)
  How to use the code, COMET, 25:27202 (EUR-4562)
LECLUSE, Yves Determination of collision cross sections of rare gases for levels of 6s6d configuration of mercury atoms, 22:7178
  Hyperfine structure constant for ^{199}Hg in 6^1P_1 level, 22:47816
LECOCQ, A. Analytical investigation of pure and additive containing monocarbides of uranium, 24:4225
  Analytical problems in nuclear energy, 23:34992
LECOCQ, Alfred Apparatus for the production and purification of a sublimable substance, 22:4159
  Process of extraction of hafnium, 22:8204
LECOCQ, J. C. Nickel coating by decomposition of nickel carbonyl on plutonium alloys, 23:36026 (CEA-CONF-1241)
LECOCQ, P. High-power test loop for sodium-heated steam generators, 24:52954
  Moessbauer effect studies on binary iron—tin alloys, 22:46264
  Test facility for sodium-heated steam generators, 25:13143
LECOCQ, R. Phase relationship in the U—C—V system, 24:10187
  Preparation of labeled molecules by gamma irradiation, 21:35988 (EUR-3496.f)
  Preparation of labeled molecules by gamma irradiation, 23:37999
LECOCQ, Rene Process for the preparation of beryllium oxide and products thus obtained, 21:13251
LECOCQ-ROBERT, A. Phase limits of U_4O_9, 25:6913
LE COGUIE, Roland Description of methods for making activation detectors for use in nuclear reactors, 23:610 (CEA-R-3532)
LE COMPTE, J. Organoleptic assessment of irradiated Granny Smith apples from Western Australia, 24:51124
LE COMPTE, Judy Study of disinfestation of bananas by gamma irradiation, 25:32635
LECOMTE, A. Planning of CERN projects with help of PERT method, 24:45621 (CERN-70-15)
LECOMTE, C. Decoration figures due to oxide precipitates obtained by ionic bombardment, 23:12962 (UCRL-Trans-10313)
LECOMTE, F. Experience of the operation of a materials control system, 25:21308
LECOMTE, J. Use of ^{198}Au to study radius of action of colonies of bumble-bees, 24:31793
LECOMTE, J. L. Computer controlled dataway for nuclear informations, 23:41120 (EUR-4289, pp 331)
LECOMTE, Jacques Improvements in and relating to a nuclear installation, 23:9145
  Improvements in superconductive coil, 23:20830
LECOMTE, Marcel Low-temperature magnetic transition of UO_2, 23:5462
  Low-temperature radiocrystallographic study of magnetic transition of U oxide UO_2, 23:7046
LECOMTE, P. A. Method of controlling radiation exposure of persons in aircraft during transportation of radioactive materials, 25:48841 (CONF-710801-(Vol.2), pp 564-91)
LECOMTE, Paul Production of energy by controlled fusion, 23:30579
LECOMTE, Pierre Measurement of thermal neutron flux using air activation, 22:18585 (CEA-R-3338)
  Thermal neutron flux measurements using neutron-electron converters, 23:17745 (CEA-R-3697)
LECONTE, P. Inelastic electron scattering from ^{90}Zr, 23:49388 (CEA-CONF-1323)
  Inelastic electron scattering from ^{90}Zr, 24:43401
  Linear electron accelerator of Saclay, 23:8872 (TID-24667, pp 20-1)
  Some numbers about the spectrometers for (e,e') and e,e'p experiments at Saclay, 23:7777 (TID-24667, pp 35-8)
LECONTE, Ph. Program Orbite: particle trajectories in a magnetic field, 23:47811
  Spectrometer with high resolution for electron scattering, 23:47808
LECONTE, Phillipe Scattering of 60-MeV electrons from ^{90}Zr, 24:30836
LE CONTEL, J. M. Short period variable stars. II, 25:9025
  Short-period variable stars. I, 23:3175
  Short-period variable stars. III, 25:9035
LE COQ, G. Method of shape analysis of cross-sections of fissile nuclei, 25:15132
LECOQ, Jean-Pierre Radioactive materials handling and transport system, 22:37964
LECORCHE, P. French experimental research in criticality, 21:4416
  Protection in installations subject to hazard of criticality, 24:22982 (CEA-CONF-1420)
LECORCHE, P. R. CRAC: experimental study of criticality accidents, 25:39678
  Recent experimental criticality safety data obtained in France, 23:4368
LECORCHE, Pierre Critical experiments carried out with a homogeneous Pu solution, 22:25078 (CEA-R-3367)
  Criticality of liquid mixtures of highly-enriched UF_6 and HF, 22:48735 (NP-17606)
  Criticality of liquid mixtures of highly ^{235}U-enriched uranium hexafluoride and hydrofluoric acid, 25:51545 (Y-CDC-9)
  Heterogeneous poisoning of fissile-matter solutions by tubes or rings of borosilicate glass, 24:16238 (CEA-R-3931)
LE COULTRE, Pierre Ratio of neutral-to-charged hadrons in cosmic radiation at an atmospheric depth of 976 g c, 25:43621
LECOURT, Y. French research on thermal insulation of nuclear reactors, 23:37491
  Thermal insulation of prestressed concrete pressure vessels using metal gauze and foil, 22:44830 (ORNL-tr-1966-c)
  Thermal insulation of prestressed-concrete vessels, 23:6257
  Thermal insulation with metal gauze and foil, 23:28640
  Thermal shielding by wire gauze and metallic sheets, 25:29819 (EUR-4531, pp 1019-34)
LECOUSTEY, P. Circularized magnetic well: DECA II B, 22:52726 (CONF-671127, pp 170-4)
  Circularized quadrupolar magnetic well: DECA II B, 25:7409 (CEA-CONF-1665)
  Experiments on confinement of a plasma in a circular magnetic well, DECA II B, 25:38360 (CONF-710607-88)
  Ion cyclotron instability in magnetic well of DECA II, 23:32467
  Ion cyclotron instability in the magnetic wells of DECA-II, 23:16836 (CEA-CONF-1004)
  Magnetic configuration in circular quadrupolar well: DECA II B, 24:51710 (EUR-CEA-FC-554)
  MHD stability criterion in shallow magnetic well, 25:56194 (EUR-CEA-FC-598)
  Plasma confinement in the DECA II B circularized magnetic well, 25:58958 (CEA-CONF-1807)
  Plasma containment in a circularized quadrupolar magnetic well: DECA II B, 25:3053 (CEA-CONF-1597)
  Plasma losses in magnetic well of DECA II, 22:52725 (CONF-671127, pp 144-69)
LECOUTURIER, Daniel Decay of ^{163}Ho, 25:20405
LE COZ, Francois Device for assembling a nuclear fuel element support inside an annular sleeve, 23:19591
  Device for use in assembling a nuclear fuel cartridge, 21:39105
LECRIVAIN, L. Properties of plasma-sprayed borides and nitrides, 22:47704
LECRIVAIN, Lucien Neutron-protection material, 24:6254
LECROART, H. Behavior of various electrodes and insulators in an experimental MHD generator, 21:37239
  Interpolation device for quick exploitation of resistance networks, 25:20868 (MATT-Trans-7)
  MHD plant, combustion techniques, and seeding. XIV, 22:5197
LECROSNIER, D. P. High-energy boron implantation into silicon, 25:19784
LECROY, E. Jr. Results of thyroid and whole-body counting of some medical and paramedical personnel, 25:46840
LECROY, R. C. Temperature development in entrance region of an MHD channel, 23:32222
LECUIRE, Jean-Marie Measurement of molybdenum oxides in mixtures and combinations, 24:16498
LECUMBERRY, C. Szilard—Chalmers reactions in aromatic iodo compounds, 25:15708

LECUYER, D. Container means for a radioactive element, 25:48898
LECUYER, Daniel Container means for a radioactive element, 25:21378
  Containers for radioactive materials, 24:48253
  Improvements in or relating to containers for radioactive sources, 25:39698
  Radioactive material handling and storage apparatus, 25:21377
L'ECUYER, J. ^{20}Ne(p,t)^{18}Ne reaction as a test of the ^{18}Ne and ^{20}Ne wave functions, 25:10006
  Electromagnetic transitions in ^{19}Ne, 25:3575
  Excitation energies and lifetimes of levels in ^{28}Si, 23:42900
  Gamma rays in ^{18}Ne, 23:19179
  Lifetime measurements in ^{18}Ne, 23:5814
  Lifetimes of ^{39}K excited states, 23:40015
  Reaction ^{23}Na(p,γ)^{24}Mg induced by protons energy below 500 keV, 21:2688
  Reactions (^{3}He,α) on even Ti isotopes, 21:33908
  Studies in stellar evolution. VIII, 23:27229
L'ECUYER, Jean Helium stars of small mass, 21:6935
LECYK, M. Vertebral malformations in chicks caused by x-radiation, 24:2781
LEDAC, A. Study of the optimized conditions for fabrication of uranium dioxide pellets by pressing, 23:51092 (AECL-3373)
LE DAK LYEU Native radiomimetic and primary radicals generated in irradiated lipids, 22:28303
LEDANOIS, Guy Brief review of fuel cycle in power reactors, 21:30110 (CNEA-183)
LEDBETTER, H. M. Cubic to orthorhombic transformation in Au—47.5 Cd, 25:4807
LEDBETTER, Hassell Marion Jr. Crystal structure and martensitic transformation in near-equiatomic AuCd, 25:11448
LEDBETTER, Joe O. Broad-beam gamma attenuation in thin absorbers, 22:17718
  Principles of radiological health, 23:33691
  Radiation as a possible coagulation aid, 22:25727
LEDBETTER, Myron C. Disposition of microtubules in plant cells during interphase and mitosis, 22:1913 (BNL-11690)
LEDDICOTTE, G. W. Activation analysis of ^{153}Gd for measuring rate of ingesta passage in ruminants, 25:37333
  Activation analysis of trace substances, 24:110
  Activation analysis: techniques and methodology, 23:11447 (CONF-671111-, pp 455-64)
  Neutron activation analysis for determination of Te in human tissues, 24:117
  Separation and determination of bromine by activation analysis, 24:25013
  Ultratrace-element research in the life sciences using activation analysis, 22:16423
LEDDICOTTE, George Activation analysis of serum vitamin B_{12}, 23:2754
LEDDICOTTE, George W. Early forensic neutron activation analysis studies at ORNL, 22:16395 (GA-8171, pp 63-78)
  Neutron activation analysis of rat bone: simultaneous determination of calcium, chlorine, magnesium, and sodium, 25:15558
LEDEBT, Ph. Remote control of a polarized neutron goniometer, 24:16937
LE DELLIOU, Raymonde Nitridation of Zr at high temperatures, 25:29870
LEDENEV, O. P. Diffusion of substrate atoms into a surface film as indicated by the secondary ion—ion emission characteristics, 25:58266
LEDENEV, V. N. Shielding materials for nuclear reactors, 24:34984
LEDER, L. B. Composition and superconducting properties of Au—Pb films, 23:23042
LEDERBERG, S. In vivo suppression of coding, 24:17182
LEDERER, C. M. Computer-based system for nuclear data compilation "Table of Isotopes", 23:7892 (UCRL-18530)
  Experimental values of internal-conversion coefficients of nuclear transitions: total and K-shell coefficients and L-subshell coefficient ratios, 21:10045
  In-beam gamma-ray spectroscopy of even Mo and Ru isotopes, 25:46050
  In-beam gamma-ray spectroscopy of odd-neutron Mo and Ru isotopes, 25:46051
  Levels in ^{92}Mo and ^{94}Ru, 23:37262
  Low-lying 2^- state in ^{234}U, 23:49429
  Time analysis of reaction γ rays and electromagnetic properties of ^{210}Po levels, 22:27166
LEDERER, C. Michael Computer analysis of spectra, 24:9669 (UCRL-18948)
  Table of isotopes, 21:44657
LEDERER, D. Resistivity of a superconductor in the intermediate state, 25:47478
LEDERER, M. Chromatography on ion exchange papers, 21:38948
  Conference on gel permeation chromatography, Miami Beach, Fla., 10/70, 25:35532
  Conference on identification of substances by paper and thin-layer chromatography, Frascati, Italy, 9/69, 24:36376
  Identification of inorganic compounds, 24:36156
  Inorganic paper chromatography and electrophoresis, 24:25064
  Ion-exchange paper chromatography of inorganic ions. XXV, 24:2171
  Paper chromatographic data for inorganic substances, 25:2075
  Paper electrophoresis of metal ions in acetate buffers, 22:27567
LEDERER, Marianne Whole-body and renal clearance of ^{203}Hg-chlormerodrin, 25:16253
LEDERER, Michael Some reactions of technetium with thiourea and substituted thioureas, 21:19626
LEDERGERBER, T. Asymmetry in nuclear fission, 25:23075
LEDERICH, R. J. Interpretation of ellipsometric observations of absorbed oxygen in niobium, 25:11355
LEDERMAN, L. Search for intermediate bosons in proton-nucleon collisions, 21:867 (NEVIS-153)
LEDERMAN, L. M. Electromagnetic form factors of leptons, 22:13719
  High-energy muon—proton scattering: muon—electron universality, 23:36820
  High-energy muon—proton scattering: one-photon exchange tests, 23:36821
  Muon physics, 21:15308
  Muon—proton elastic scattering at high momentum transfers, 22:15665
  Observation of massive muon pairs in hadron collisions, 25:7542
  Present neutrino experiments, 21:15311
  Production of intermediate bosons in strong interactions, 25:53230
  Prospects for the muon—electron problem, 23:23417
  Scattering of muons on protons at high momentum transfer, 22:13636
  Search for new heavy particles, 22:13647
LEDERMAN, Leon Hunting of the quark, 21:46528
  Nuclear and particle physics annual. I, 24:20053
LEDERMAN, Leon M. Cosmic-ray discovery, 22:52928
  High energy muon scattering, 22:50345
  Neutrino physics, 22:3354
  New revolution in particle detection, 24:499
  Resource letter Neu-1 history of the neutrino, 24:20129
LEDERMAN, M. Beta irradiation of conjunctival sac: description of new applicator, 21:6511
  Cancer of the pharynx, 22:15093
  Radiation treatment of cancer of the pharynx, 22:31179
  Treatment of tumours of the upper jaw, 23:45836
LEDERMAN, Samuel Application of a microwave technique to the measurement of electron density and ionization time, 22:9295
  Application of Langmuir probe and microwave diagnostic technique to transient ionized flows, 21:7187 (AD-638025)
LEDERMANN, H. Rapid determination of radionuclide activities by a well-type gamma-ionization chamber, 23:29190
LEDERMANN, S. Diet of populations of regions in European Community aimed at determining levels of radioactive contamination, 24:21098 (EUR-4218)
LEDERMANN, Sully Determination of diets for populations of eleven regions of European community to be used for obtaining radioactive contamination levels, 23:2803 (CEA-R-3434)
LE DEVEHAT, J. Characteristics of various sealing membranes for alpha activity monitoring cells used in solutions, 25:34673 (CEA-N-1440)
LEDGERWOOD, R. M. Study of a case which involved a wound contaminated with Pu and ^{241}Am, 25:37781 (EUR-4612, pp 273-87)
LE DIEU DE VILLE, Alain Characteristics of ordinary concrete relative to radioprotection calculation, 25:8960 (CEA-N-1355)
LEDINEGG, E. Coherent behavior of elementary particles with Bose and Fermi statistics, 22:3291
  Correlation functions of N-th order with Poisson primary distribution of neutron field, 23:43209
LEDINEGG, M. Evaporation and bubbles, 22:2304
LEDINGHAM, K. W. D. M/L orbital-electron-capture ratio in ^{37}Ar decay and the fraction of K/sub α/ x rays in the K series of chlorine, 22:15987
  Ratio of K-capture to positon emission in the decay of ^{11}C, 21:23426
  Ratio of K-capture to positon emission in decay of ^{30}P, 25:48065
LEDINGHAM, R. B. X-ray absorption in the 2 to 200 A region, 22:11199
LE DIOURON, Raymond Internal friction and modulus changes due to the defects created in magnesium by neutron irradiation at low temperature, 24:42160 (CEA-R-4033)
LEDLEY, B. G. Magnetic field observations in high β regions of magnetosphere, 24:42585
  Magnetopause attitudes during Ogo 5 crossings, 25:56023
  Magnetospheric field distortions observed by OGO's 3 and 5, 25:55952 (N-71-27604)
  OGO-A magnetic field observations, 22:2950
  Propagation of sudden commencement of July 8, 1966 to magnetotail, 23:1263 (N-68-28248)
  Propagation of the sudden commencement of July 8, 1966, to the magnetotail, 23:1289
LEDLEY, Robert S. Conference on automatic photointerpretation, Washington, D. C., 5/31—6/2/67, 22:38174
  Evaluation of the significance of the contribution of coherent scattering of an X ray beam to darkening of radiographic film, 25:4640 (CONF-700515-, pp 205-23)
  High-speed area-measuring scanning densitometer, 25:4620 (CONF-680211-, pp 191-203)
  Prog. rpt. on microradiography of thin bone sections, 12/15/68, 23:12144 (COO-1601-15)
LEDLIE, E. M. Survival of polycythemia vera patients treated with radioactive phosphorus, 22:6886
  Treatment of polycythemia by ^{32}P, 21:34693
LEDMAN, John L. Development of shear spinning technology for beryllium, 23:29985 (SC-R-69-1233)
LEDNEV, A. A. Automatic precise field measurements in magnets of IHEP accelerator, 24:37983 (CERN-Trans-70-4)
  Topography of magnetic field at 70-GeV accelerator, 25:9906 (IFVE-SKU-69-95)
  Topography of magnetic field in open and closed units of electromagnet of the 70 GeV accelerator, 22:44536 (IFVE-SKU-67-44-K)
LEDNEY, G. D. Secondary disease in irradiated mice grafted with allogeneic bone marrow, 23:31672
  Suppression of acute secondary disease in the mouse with antilymphocyte serum, 23:47993
LEDNICKI, R. Analysis of helicity amplitudes in reactions $\pi^+p \rightarrow N^*rho^0$ and $\pi^+p \rightarrow N^*\omega$ at 2.34 GeV/c, 25:1409 (JINR-P1-5236)
LE DOUAREC, J. C. Ultraviolet erythema in the guinea pig, 24:34397
LE DOUCEN, R. Proton charge exchange with formation of atoms in excited states, 25:24904
  Proton charge transfer with formation of highly excited hydrogen atoms, 24:15158
LE DOUCEN, Roger Charge transfer during collisions between H^+ and Kr, Xe, NH_3, C_2H_2, C_6H_6, 25:9229
  Ionization of atomic hydrogen excited under the effect of an electric field, 23:32131
  Proton charge exchange with formation of excited states, 25:994
LEDOUX, Andre Chemical elimination of alumina in suspension in heavy water of nuclear reactors, 21:25620 (CEA-R-2990)
  Process for the purification of moderator water in nuclear reactors, 22:48673
  Testing report of an accurate densimeter, 24:48342 (CEA-N-1324)
LEDOUX, L. Activation of the incorporation of thymidine-^{3}H into DNA of Arabidopsis thaliana L. heynh. induced by γ rays, 21:26668
  DNA alterations in radiosensitive irradiated mouse organism. IV, 23:47969
  Influence of water content of barley seeds during irradiation on the growth of the seedlings, 23:29904
  Influence of x-irradiation and seed-moisture on nucleic-acid and protein metabolism in barley, 25:609
LEDOUX, P. Magnetic stars, 21:41718
  Origin of He in the Universe, 22:5009
  Secular stability of models with isothermal cores, 22:17330
LEDOUX, R. A. $U_3O_5F_8$: new compound in U—O—F system, 22:83
LEDOUX-CORBUSIER, M. Effects of Kallikreine on the irradiated skin of swine (large white), 25:11110
  Radiations and cutaneous elastic tissue, 23:29843
LEDOVSKOI, V. P. Plasma effects in the interaction of intense electron beams with matter, 25:36157
LEDR, J. Treatment of postirradiation cystitis, proctitis, and colpitis, 21:22590
LEDRUT, J. H. T. Chemical effects of neutron irradiation of α-trifluorotoluene, 24:50417
  Effect of reactions (n,2n) and (γ,n) on fluorobenzene, 23:334
LE DU, P. Study of $\pi^-p \rightarrow \pi^0n$ and $\pi^-p \rightarrow$ eta reactions in nuclei at 7.82 GeV/c, 25:56432
LE DU, R. Beta and x spectrometry with an ionization chamber, 22:14826
LE DU, Rene Alpha spectrometry; grid ionization chamber: improvement of characteristics, 23:6303 (CEA-R-3566)
  Development of a gas-ionization β spectrometer, 23:6301 (CEA-R-3293)
  Formation and linear amplification of signals in nuclear spectroscopy, 22:2390 (CEA-R-3252)
  Improving grid ionization chamber characteristics for alpha spectrometry, 24:27385 (LA-4243-TR)
  Proportional counter for spectrometry between 0 and 100 keV, 24:20981 (CEA-R-3938)
LEDUC, C. French contribution to ecomomic studies on uranium enrichment, 25:46597
  French development plans regarding the separation of uranium isotopes, 25:51701 (A/CONF.49/P-606)
  French know-how in the separation of isotopes, 25:51700 (A/CONF.49/P-605)
LEDUC, J. Development in France of fast reactors, 24:52910
  Development in France of the core technology of sodium-cooled fast reactors, 24:52920
  Engineering components for a sodium cooled fast power reactor, 22:18503
  Phenix reactor, 22:16188
  Phenix: status of the design before construction, 23:47091 (ANL-7520(Pt.2), pp 243-53)
LEDUC, Michele Measurement of ratio of nuclear magnetic moments of ^{109}Cd and ^{111}Cd 109 isotopes of cadmium, 22:18272
  New value for the metastability exchange cross section in helium, 25:52653
LEDUCO, J. Small intestine in rats after abdominal irradiation, 24:2796
LE DUFF, J. Beam enlargement in storage rings by multiple Coulomb scattering, 21:29743
  Nonlinear colliding-beam effect, 25:53426 (SLAC-Trans-133)
  Status report on ACO, 25:56591 (LAL-RT-42-70)
LE DUIGOU, A. Manufacture of metallic uranium nuclear fuels: some industrial and economic aspects, 25:4743
LE DUIGOU, Jacques Use of an electronic microprobe for study of ion implantation, 24:47303
LE DUIGOU, Y. Measurements of the half-lives of the uranium isotopes, 25:53738 (CONF-701002-, pp 465-9)
  Precise determination of U by potential control of coulometry, 21:40769 (EUR-3601.f)
  Preparation of precisely defined lithium isotope mixtures, 23:413
  Review of treatments applied to electrodes used for potentiometric analysis, 21:12282 (EUR-3118.f)
LEDWIDGE, Thomas Joseph Detection of liquid boiling in a nuclear reactor, 21:21821
  Nuclear reactor transducer, 22:20876
  Transducers, 22:42563
LEDWITH, A. Reactivity in nucleophilic substitution. II, 21:10323
LEE, A. Spatial damping of large amplitude plasma waves, 24:42723 (SIT-3785-10)
  Spatial damping of large amplitude waves, 24:49207
LEE, A. E. RHEED studies of initial stages of oxidation of W, 25:32652
LEE, A. H. Cosmic-ray muons and the atmospheric coefficients near geomagnetic equator, 22:5164

  Diurnal variation of cosmic-ray muon intensity, 23:25177
LEE, A. R. Dispersion of electromagnetic waves in interstellar space, 25:52578
  Excitation of N_2^+ ions by electrons at near threshold energies, 22:38749
LEE, A. Y. Automated thermal analysis of nuclear reactor components, 23:38159 (CONF-690401-, pp 519-41)
  AUTOTEM: computer program for automated geometry meshing and heat conduction calculation, 23:50028 (WANL-TME-1873)
  TRACK: computer program for transient and steady state coupled fluid flow and heat conduction analysis, 22:37932 (WANL-TME-1736)
LEE, Alan Stuart Liquid-metal cooled nuclear reactors, 25:25981
LEE, Arthur Clair Delayed effects of canine ovarian irradiation, 25:27009
LEE, B. E. Gamma rays from the ^{75}As(n,γ)^{76}As reaction, 22:20557
LEE, B. H. Studies on the induced mutation breeding of soybean for bacterial blight resistant type, 22:36240
LEE, B. H. K. Nonuniform propagation of imploding shocks and detonations, 22:3014
LEE, B. J. Diagnostic and therapeutic implications of the lymphangiogram in the treatment and prognosis of Hodgkin's disease, 24:41926
LEE, B. K. Cytoplasmic factor in the resistance of yeast cells to actidione and its response to uv irradiation, 21:28688
  Neutron activation study of ancient pigments from murals of cholula and teotihuacan, 25:2133
LEE, B. T. O. Genes controlling radioresistance, 23:33814
LEE, B. W. Chiral algebra and dynamics, 22:48252
  Chiral algebra, configuration mixing, magnetic moments, and pion photoproduction, 21:9741
  Comments on measuring Re(A_2/A_0) in the decay K^0/sub s/ → π + π, 21:29437
  Current algebra and non-Regge behavior of weak amplitudes, 21:7567
  Current algebra and non-Regge behavior of weak amplitudes. II, 21:33681
  Eta decay and current algebra, 21:31563
  Field algebra and phenomenological Lagrangian, 22:18009
  Harmonic analysis on Dalitz plot (spin 0 case) with applications to K^{+-} → 3 π decays, 21:31567 (CTS-HE-67-3)
  Nonlinear realizations of chiral SU(3) X SU(3), 23:18942
  Pade approximation and bound states, 24:1671
  Pion electromagnetic mass difference for physical pions, 22:1415
  Pion—pion dynamics in sigma model, 25:1512
  sigma model unitary ππ amplitudes, 23:36913
  SU(6) in particle physics, 21:11790
LEE, Bae Ham Studies on amylase and protease activities of Aspergilli by uv-irradiation method, 25:27097
LEE, Benjamin W. Applications of current algebra, 22:5616
  Chiral dynamics of octet baryons and nonleptonic decays of hyperons, 22:37124
  Chiral dynamics, field-current identity, and the K/sub l3/ form factors, 22:20300
  Chiral loops, 25:33722
  Efimov—Fradkin method in non-linear field theories, 24:3743
  Harmonic analysis on Dalitz plot, 23:18842
  Model of low-energy pion—pion scattering, 25:38738
  Nonleptonic hyperon decays, 23:25511 (CERN-69-7, pp 183-96)
  Nonpolynomial Langrangians, 25:25494
  Operator formulation of the droplet model, 24:37748
  Phenomenological Lagrangian for field algebra, hard pions, and radiative corrections, 22:20323
  Renormalization of sigma-model, 23:23533
  Renormalization of the sigma-model. III, 24:1641
  Theoretical ideas on high-energy collisions, 24:20087
LEE, Bernard S. Fluidization fundamentals and application, 25:46551
LEE, Bong Jin Fuel optimal control in regulator system, 24:36012
LEE, Bong K. Determination of As content of cigarettes by neutron activation analysis, 23:35033
  Nuclear engineering applications in medical science, 25:39891
LEE, Bong Kyu Neutron activation analysis applied to arsenic determination, 23:28769
LEE, Byung Heon Preparation of carrier free ^{24}Na, 22:27803
LEE, C. Concerning a thought experiment violating Heisenberg's uncertainty principle, 25:14502
  Stage-III annealing in Au after electron irradiation, 23:8685
  Vacancy annealing in three different experiments in gold, 22:7372
LEE, C. C. Protonated cyclopropanes. II, 22:37729
  Radiostrontium uptake by wheat, 22:6739
  Secondary kinetic isotope effects in the solvolyses of 2-(2,4-dimethoxyphenyl)-1,1-d_2-ethyl and 2-(3,5-dimethoxyphenyl)-1,1-d_2-ethyl p-bromobenzenesulfonates, 21:1367
  Some observations on isotopic scramblings accompanying acetolysis in the 2-norbornyl system, 25:23576
LEE, C. J. Effects of thermal cycling on oxidation behavior of austenitic steel in CO_2, 22:47665
LEE, C. K. Determination of ω → $\pi^+\pi^-$ decay amplitude from photoproduction, 25:40861
  Determination of ω—γ coupling constant and ω—N scattering amplitude, 25:40860
  Photoproduction of ω mesons from hydrogen and deuterium, 25:14512
LEE, C. M. Time correlations of x-ray spectra with neutron emission from a plasma-focus discharge, 25:52855
LEE, C. R. Behaviour of model concrete structures under temperature loading, 23:11206
  Experience with a simple moisture gauge for embedment in concrete, 23:9818
LEE, C. S. Thermodynamic and transport properties of Na, K, Rb, and Cs, 24:1027
LEE, C. W. Dual-symmetric theory of hadrons. II, 24:52087
LEE, C. Y. Isolation of auxotrophic mutants of subtilis and E. coli, 25:55189
LEE, Chai-sung Thermal conductivity of the alkali metal vapors and argon, 22:13002 (CU-2660-37)
LEE, Chang Kun Fuel cycle cost calculation, 24:36042
  Geohydrologic interpretations of a volcanic island from environmental isotopes, 24:46345
LEE, Charlotte O. Prog. rpt. on radiation effects on metabolism of phospholipids in central nervous system of albino rats, 7/1/67—8/31/68, 24:5992 (N-68-32427)
LEE, Chaun-kuo Form factors in K/sub l3/* decay, 25:33530
LEE, Chien-er Decay widths of the boson resonances, 25:33699
LEE, Chin Taik Separation of Am—Cm in the HDEHP extraction system, 25:39575
LEE, Chin-hsin Surface barrier type solid state detector, 23:47742
LEE, Cho-Fu Study of computational methods used to determine fuel depletion in nuclear reactors, 22:25134 (PRNC-117)
LEE, Chong Ki Radiation effect on optical rotatory activity in sucrose. II, 22:27805
LEE, Chong Ki. Radiation effect on optical rotatory activity in sucrose. I, 22:27806
LEE, Chong Wan Shell model calculation of changes in binding energies, 21:12107
LEE, Choo Kyung pH dependence of recoil behavior of ^{198}Au atoms in auric chloride solution, 25:23636
LEE, Choochon Stage III annealing in Au after electron irradiation, 22:19583 (COO-1198-511)
  Stage III annealing in Au after electron irradiation, 23:3106
LEE, Choong Il Influence of intermittent mist on the development of anthocyanins and root-inducing substances in Euonymus alatus Sieb: Compactus, 25:48388 (NYO-2598-55)
LEE, Chul Determination of dissolved U contents in hot spring waters of Korea, 24:41228
  Fast neutron flux measurements of research reactor, 24:2041
  Model age determination of Korean galena by neutron activation, 25:60
  Thermoluminescent properties of Korean natural quartz for possible use in γ-ray dosimetry, 25:18813
LEE, Chul Chu Alpha energy distribution of ^{7}Li(p,α)^{4}He reaction, 23:3956
  Au—Si surface barrier semiconductor nuclear particle detectors, 22:23277
  Li^+ ion-implanted Si solar cell, 25:33411
  Silicon solid-state detector produced by lithium ion implantation, 23:17770
  Study on the ^{7}Li + p and ^{6}Li + d nuclear reactions, 24:10936
  Yield of alpha particles from lithium films bombarded by an analyzed proton beam, 22:29931
LEE, Chul-chu Lithium ion source, 21:40331
  Reaction ^{7}Li(p,α)^{4}He, 21:42569
LEE, Chung Choo Genetic studies of Drosophila population. I, 22:47514
  Insect pest control using sterile-male technique. I, 25:4735
  Insect pest control using sterile-male technique. II, 25:29731
LEE, Chung Oh EHD bulk instability of slightly conducting fluid between two coaxial cylinders, 25:7218
LEE, Chung-oh EHD stability of thin liquid layer in uniform shearing motion, 25:35939
LEE, Clarence E. Calculation of delayed neutron multiplication in thin subcritical systems, 23:30911 (LA-DC-9762)
  Calculation of delayed-neutron multiplication in thin subcritical systems, 23:4361
  Delayed-neutron multiplication in far-subcritical systems, 24:2434
LEE, D. Conference on fundamental properties of materials in nuclear fuel assemblies, Schenectady, N. Y., 8/68, 23:34037
  Dual radioisotope urinary excretion test in diagnosis of pernicious anaemia, 24:25511
  Ductility of textured Zircaloy-2, 23:8201
  Influence of grain boundaries on the fracture mode of zirconium and Zircaloy-2, 25:4769
  Prog. rpt. on deformation of anisotropic metals, final, 7/1/65—6/30/66, 21:13135 (AD-639314)
  Recrystallization and mechanical behavior of Zircaloy-2 tubing, 25:4757
  Strain rate dependent plastic flow behavior of zirconium and its alloys, 24:32414
  Superplasticity in some titanium and zirconium alloys, 22:702
LEE, D. A. Enrichment of lithium isotopes by extraction chromatography, 25:8330
  Integral equation treatment of the linearized theory of electrostatic plasma oscillations, 22:24296
  Spectroscopic measurements in fluctuating arcs, 21:9551
  Technique for determining the propagation characteristics of instabilities, 24:21832
  Velocity of moving striations, 21:42063
LEE, D. H. Boiling burnout: a review of recent work, 21:45302
  Burn-out with forced convection high-pressure water, 21:41125
  Forced circulation dryout experiments in tubes with boiling water at about 350 psi, 25:48246 (AEEW-M-940)
  Forced convection burnout in high pressure water. IV, 21:16060 (AEEW-R-479)
  Studies of heat transfer and pressure drop relevant to sub-critical once-through evaporators, 24:52905
LEE, D. H. Jr. Fuel cycle characteristics of the high temperature gas-cooled reactor, 21:5614 (GA-7276)
  Importance of approach to equilibrium and comparison of accurate reactor histories with equilibrium fuel cycles in HTGR, 21:13970 (GA-7126)
  Partial-recycle techniques in HTGR, 23:15641 (GAMD-7284)
  PWCOST: computer code for calculation of fuel cycle costs, 24:4165 (GA-9394)
  Use of low enrichment uranium in the HTGR, 25:8076 (GA-9715)
LEE, D. I. High-temperature properties of the alkali metals, 23:12298 (CU-2660-36)
  Thermodynamic and transport properties of Na, K, Rb, and Cs, 24:1027
  Viscosity of the alkali metal vapors, 22:38554
LEE, D. M. Electron tunneling in superconducting Cd/Al_2O_3/Al junctions, 23:27598
  Liquid-solid phase transition in ^{3}He—^{4}He mixtures, 23:23057
  Optical birefringence and crystal growth of hcp ^{4}He, 21:33316
  Phase separation and superfluid transition in liquid ^{3}He—^{4}He mixtures, 21:37356
LEE, D. W. Enhanced oxidation of $MoSi_2$ under tensile stress, 24:14870
  Plasticity and creep in single crystals of zirconium carbide, 24:12471
  Single crystal transition metal diborides, 24:8205
LEE, Dana H. Jr. Nuclear reactor and method of fuel management therefor, 21:25679
  Nuclear reactor fuel, 21:4394
LEE, Denny Lap Yen Study of asymmetries in gamma scattering by ^{57}Fe, 25:34042
LEE, Deok Kyo Energy spectrum of elementary excitations in liquid helium, 21:43985
  Ground-state energy of a many-particle boson system, 25:56050
  Problems in the quantum theory of many-particle boson systems, 22:11395
  Variational analysis on the ground state of a charged-boson system, 25:33483
LEE, Diana M. Determination of oxygen in copper by ^{3}He activation analysis, 24:38781
  Preparation of isotopic oxygen targets, 24:11480
  Rapid, nondestructive method of fluorine analysis by ^{3}He activation, 25:23537
  Simultaneous determination of ^{16}O and ^{18}O isotopes by ^{3}He activation analysis, 22:1965 (UCRL-17812)
  Surface profile analysis by ^{3}He activation, 24:22615
LEE, Douglas Christopher Sintering Sc and Nb modified lead zirconate titanate, 24:26885 (UCRL-19188)
LEE, Duck Chool Gamma-irradiation effect on electrical properties of B-type insulator, 25:55101
LEE, E. J. Laboratory development of grind-leach process for H.T.G.C.R. fuel cycle. IV, 21:45189 (AAEC/E-180)
  Temperature variation of Gd ESR spectra in cubic and axial crystals, 22:24385 (CONF-670502-, pp 89-100)
LEE, E. L. Adiabatic expansion of high explosive detonation products, 23:11388 (UCRL-50422)
  Equation of state of detonation products, 24:33618 (UCRL-72173)
  Gaseous "sublimation" products of silicon monoxide, 22:50897 (UCRL-50469)
  Interpreting the chemical results of the Gasbuggy experiment, 24:41504 (CONF-700101-(Vol.1), pp 794-814)
  Metal acceleration by composite explosives, 24:33616 (UCRL-72171)
  Thermal decomposition of high explosives at static pressures 10-50 kilobars, 24:33617 (UCRL-72172)
LEE, E. P. Resistive plasma rotation and shock formation in toroidal geometry, 25:14235
LEE, E. S. Introduction to urban decentralization research, 25:41708 (ORNL-HUD-3)
LEE, E. W. Low-temperature magnetic properties of dysprosium single crystals, 22:29565
LEE, Eal Hyung Survey of radioactivities in field water and soil, 21:12533
LEE, Edward K. C. Benzene photosensitization and direct photolysis of cyclobutanone and cyclobutanone-2-t in the gas phase, 22:37734
  Deuterium isotope effect in singlet → triplet radiationless transitions of benzene and benzene-d_6, 24:2182
  Deuterium isotope effect in triplet electronic energy transfer rates, 22:50962
  Intermolecular triplet energy transfer. II. From benzene, acetone, and biacetyl to π-bonded molecules, 24:33666
  Recoil tritium reactions with 1-butene and 1-butene-1,1-d_2, 24:9402
  Study of the roles of chemical factors in controlling the yields of substitution reactions by energetic tritium atoms. Electronegativity, electron density, and bond energy, 25:32027
LEE, Edward L. Velocities of fragments from exploding metal cylinders, 23:19616 (UCRL-50545)
LEE, Edward P. Brownian motion in a stellar system, 22:17243
  Post-Newtonian approximation of general relativity, 23:14469
  Radio emission from a turbulent plasma, 25:7016
  Rotation of Tokamak equilibria, 24:40129
  Suppression of the Jeans instability in collisionless media, 21:20629
LEE, Edward T. P. Electron excitation functions of mercury, 21:28976
  Optical ionization—excitation functions of helium by electron impact, 21:37154
  Optical ionization—excitation functions of Zn, Cd, and Hg, 24:39876
LEE, Edward Tak-Ping Calculation of excitation cross sections of the two-electron system, 24:17659

- LEE, F. D. 1f/sub 7/2/ and 2p/sub 3/2/ states in odd-A nuclei from ^{33}S to ^{41}Ca, 22:1631
  - Analog states through reaction ^{34}S(p, γ)^{35}Cl, 22:26940
  - Isobaric analog states in ^{35}Cl, 22:9831
  - Levels in ^{18}O through the radiative capture of alpha particles by ^{14}C, 21:23419
  - Linear polarization measurements, 22:25650
- LEE, Floyd Denman Levels in ^{18}O through the radiative capture of alpha particles by ^{14}C, 22:9799
- LEE, Frank Leslie Improvements in reactor fuel elements, 24:26781
- LEE, G. F. Electric field dependence of the annihilation rate of positrons in helium, 23:22891
  - Fitting of double exponenial lifetime spectra using a maximum likelihood technique, 25:19881
- LEE, G. K. J. Kinetics and mechanism of the decarboxylation of pyrrole-2-carboxylic acid in aqueous solution, 25:31920
- LEE, G. M. Duoplasmatron source performance at MURA, 21:11853 (LA-3609, pp 371-82)
  - High gradient accelerating column design and construction, 21:38005
  - Initial tests of the MURA high gradient column, 21:11852 (LA-3609, pp 365-70)
  - Status of MURA 200-MeV electron—positron storage ring, 21:27464 (CONF-660939-11)
- LEE, Ge Chul Thermoluminescence properties of optical grade (LiF), 25:25224
- LEE, H. A. Fire protection in nuclear hot cells and filtered exhaust systems, 25:46579 (ARH-1918)
  - Fire protection test facility for cells and caves, 25:54956 (CONF-710401-, pp 237-47)
- LEE, H. C. A = 18 nuclear reaction matrix, 24:11042
  - Blocking effect in the nuclear pairing theory: an application to Sn isotopes, 25:50816
  - Calculation of A = 18, 206, 210 spectra, 23:37105
  - E2 effective charges from realistic reaction matrices, 24:43137
  - Effective operators for nuclear shell model. III, 25:36820
  - EVALIN: CDC FORTRAN IV code to perform an extended variational approximation for light and intermediate nuclei, 25:28439 (AECL-3801)
  - Nuclear neutron—proton rms radius difference, 25:46004
- LEE, H. J. Efficacy of cobalt pellets for providing cobalt for penned sheep, 24:21051
  - Gauge fields in the many-body problem and superfluidity, 25:9357
  - New source of intense magnetic fields in neutron stars, 24:10234
- LEE, H. K. Elastic and inelastic pion-^{12}C scattering at intermediate energies, 25:43830
  - Excitation of various levels of ^{12}C and ^{16}O by 156-MeV protons, 21:44590
  - Theoretical study of elastic and inelastic pion—^{12}C scattering at intermediate energies, 25:25639 (COO-1051-45)
  - Theoretical treatment of elastic and inelastic scattering of 1-GeV protons from nuclei, 22:15815
- LEE, H. M. Cation diffusion in UO_2-based solid solutions as a function of stoichiometry, 25:32840
  - Determination of ^{14}C in U carbide, 21:40788
  - Radioinduced transplantation immunity in man and dogs, 21:30909
- LEE, H. N. S. Electrical and magnetic properties of $TaSe_3$ and $NbSe_3$, 24:21886
  - Low-temperature transport properties of $NbSe_3$, 23:16765
- LEE, H. S. Changes in electron density and collision frequency at University Park, Pa, 23:42104
  - Comparison of two ground-based D-region experiments, 23:30431
  - Correlation between the h'(f) at 2.2 MHz and a high power transmission at 4.5 MHz, 24:6418
  - Observations of electron density during a solar flare, 25:9300
  - Permanent radiation damage effects in narrow-base PNPN devices, 22:2478
  - Prog. rpt. on effects of radiation on semiconductor materials and devices, final, 1—12/67, 23:17853 (AD-672812)
  - Radiation effects on silicon avalanche (IMPATT) diodes, 23:17866
  - Variation of electron density in the D region, 24:37380
  - Winter D-region electron concentration and collision frequency features, 23:16739
- LEE, Hee Myong Determination of impurities in single crystals of magnesium oxide by neutron activation analysis, 22:27571
  - Diffusion of carbon and uranium in uranium carbide, 22:49849
  - Measurements of self-diffusion in uranium carbide and their application to related activated processes, 21:20564
- LEE, Hee Yong Dependence of thermoluminescent glow curve shape on the heating rate, 24:5969
  - Formation of smoky color centers in γ-irradiated α-quartz, 23:16890
  - Nonthermoluminescent smoky color center in γ-irradiated α quartz, 22:48191
  - Study on the cause of smoky coloration in α-quartz by ^{60}Co γ-irradiation, 22:27802
  - Thermoluminescent properties of Korean natural quartz for possible use in γ-ray dosimetry, 25:18813
- LEE, Heung Shik Application of cellulases and hemicellulases in farm products processing, 24:31938
  - Studies on the sprout inhibition and biochemical changes of onions by gamma-irradiation, 25:6825
- LEE, Hong Analysis of roof washdown versus applied shielding as a fallout countermeasure, 22:40344 (AD-668220)
  - Decontamination scheduling procedures for RADEF systems, 21:18042 (USNRDL-TRC-42)
  - Evaluation of systems of fire development, 25:13134 (AD-713418)
  - Postattack recovery of damaged urban areas, 21:32680 (SRI-4949-130)
  - Summary of radiological target analysis procedures for decontamination scheduling, 21:28447 (USNRDL-TRC-76)
- LEE, Hoong-chien Ground-state correlation and the isobaric analog state, 25:48121
- LEE, Huan Internal symmetry bootstrapped from Veneziano representation, 25:14754
  - Isospin crossing matrix, 23:27791
  - Nonexistence of self-conjugate particles with half-integral isospin, 21:29595
  - Properties of hadron matter. I, 25:32934
  - Regge-pole formalism for pionic disintegration of deuteron, 22:37160 (UCRL-18252)
  - Regge-pole formalism for pionic disintegration of deuteron, 23:3762
  - Regge-pole formalism for pionic disintegration of deuteron, 23:42693
- LEE, Hun Possible new approach to the evaluation of radiation injury of bone marrow, 21:10977
  - Radiation injury of bone marrow, 22:49493
- LEE, Hyang Key Analysis of nucleon—nucleus scattering with the WKB method, 21:21607
- LEE, Hyun Duk Application of large gamma radiation source to the treatment of parasites in human excreta, 25:27126
  - Preliminary study on the dosimetry of the total neutron dose, 22:28182
  - Radiation accident involving body contamination, 24:700
  - Radiation accidents in atomic energy activities of Korea, 25:16118
- LEE, Hyung Joon Ferromagnetism in degenerate electron gas and magnetic fields in collapsed bodies, 23:41794
- LEE, In-king Transient temperature distributions in a cylindrical fuel rod, 23:24034
- LEE, J. Analysis of thermal and hydraulic behavior of sodium during a prompt power insertion in a fuel assembly, 22:53381
  - Can all liquid radwaste discharges be eliminated, 25:56881
  - Reaction D(p,γ)^{3}He at E/sub p/ = 156 MeV, 23:25795
- LEE, J. A. Length changes in actinide metals due to self-irradiation damage at 4°K, 25:11468
  - Low-temperature thermal expansion behaviour of α-U, 22:38991
  - New phase boundary for cerium, 24:26096
  - Review of low temperature specific heats of the actinides, 25:11384
  - Self irradiation damage in transuranic elements and compounds, 21:32937
  - Self-irradiation damage induced resistivity changes in actinide metals at low temperatures, 25:11960
  - Some physical properties of plutonium metal at low temperatures, 21:32872
  - Specific heats of plutonium and neptunium, 24:36919
  - Thermal conductivity in the actinide elements, 25:11382
  - Thermal conductivity of α-U between 5 and 100 K, 25:37955
- LEE, J. C. Brandow boson linked-cluster expansion applied to the high-density charged boson gas, 25:59229
  - Some studies of whistler instability, 25:17243
  - Stability analysis of whistler amplification, 24:10429
  - Whistler propagation in a bounded magnetoplasma, 23:48812 (N-69-32883)
  - Whistler propagation in a bounded magnetoplasma, 24:5067
- LEE, J. D. Concept for a gas buffered annular heatpipe fuel irradiation capsule, 23:9642 (UCRL-50510)
  - Concept for a gas buffered annular heatpipe fuel irradiation capsule, 23:45445 (UCRL-71889)
  - Controlled thermonuclear power, 23:39499 (UCRL-71500)
  - Engineering and economic aspects of mirror machine reactors with direct conversion, 25:38502 (CONF-710607-127)
  - High-temperature irradiation and post-irradiation analysis of uranium nitride fuel, 24:6286 (UCRL-50727)
  - Irradiation studies of uranium nitride, 23:51147 (UCRL-71703)
  - Mirror reactors and the direct conversion of plasma energy to electrical form, 25:47360 (UCRL-72877)
  - Neutronic aspects of a DT fusion reactor, 24:37492 (UCRL-72493)
  - Preliminary design considerations for an astron power reactor system, 23:48936 (UCRL-71768)
  - Some engineering aspects of an Astron fusion power reactor system, 24:49194 (UCRL-72336)
  - Some observations on the radiological aspects of fusion, 24:49193 (UCRL-72309)
  - Tritium breeding and energy generation in liquid lithium blankets, 23:48934 (UCRL-71757)
- LEE, J. E. Jr. Irradiation damage to sintered BeO, 21:11327
- LEE, J. G. System of proportional wire chambers, 24:29572
- LEE, J. H. Hard x-ray spectrum of a plasma focus, 25:33250
  - Neutron production mechanism in a plasma focus, 25:52856
- LEE, J. K. Effects of lattice defects on thermoluminescence in lithium fluoride crystals, 25:1284
  - Reactions (p,t) (p,^{3}He) and (p,d) on ^{4}He, 23:25831
  - Reactions ^{4}He(p,t)2p, ^{4}He(p,^{3}He)pn and ^{4}He(p,^{3}He)d at 156 MeV and the final-state interaction, 21:44555
  - Two-nucleon final state interactions, 25:17696
- LEE, J. K. P. Facility for charged photoparticle experiments, 24:47541
  - Reactions (p,d) on light nuclei at 100 MeV, 22:5766
- LEE, J. M. Suppression of experimental allergic encephalomyelitis in mice by irradiation of the target organ, 22:8609
- LEE, J. R. Kinetics of H isotope exchange reactions. XXI, 25:23581
- LEE, J. S. Effect of food additives and irradiation on survival of Salmonella in oysters, 21:28703
  - Effect of irradiation on microbial flora surviving irradiation pasteurization of seafoods, 23:50966 (RLO-1950-3)
  - Effect of irradiation on the microbial flora surviving irradiation pasteurization of seafoods, 21:6740 (RLO-1950-1)
  - Effect of radiation on the microbial flora surviving radiation pasteurization of seafoods, 23:18133 (CONF-681006-, pp 83-8)
  - Effects of chlorotetracycline, freezing, and γ radiation on microbial population of perch, 21:20460
  - Large-angle scattering from N_2 with 40-keV electrons, 24:6366
  - Prog. rpt. on effect of irradiation on the microbial flora surviving irradiation pasteurization of seafood, annual, 4/1/66—3/31/67, 23:2994 (TID-24171)
- LEE, J. V. Calutron ion source having a movable baffle for improving the ion output, 22:29825
  - Calutron ion source with magnetic field inducjng coil within arc chamber, 23:16043
  - Charge exchange in ion sources, 22:2466
- LEE, Jack G. K. Computation of topside ionograms from N(h) profiles, 23:36583 (N-69-23557)
  - Phase and group refractive indices from the collisionless magnetoionic theory, 22:36809 (N-68-21904)
- LEE, Jai Y. Selective separation of Mo, W, and Re by sorption processes, 24:41399
- LEE, Jai-phung Separation of Zr and Hf from domestic zircon caustic frit, 22:27884
- LEE, James Detection of pollutants in airborne particulates by activation analysis, 22:30501
- LEE, James H. Jr. P_3-approximation of neutron transport theory, 24:3830
- LEE, Jang Kyu Brain scanning using /sup 113m/In, 24:50982
  - Clinical study on the value of a scoring system of the scanning images in liver cirrhosis, 25:26862
  - Medical study of Korean atomic bomb survivors, 25:27060
  - Uptake- and metabolic studies of the labelled compounds in malignant tumors, 25:26859
- LEE, Jay Y. Radwaste design for no plant-originated radioactive liquid discharge, 25:5882
- LEE, Jeoung Ho Effect of radiation on tobacco mosaic virus, 24:14631
- LEE, Jerry S. Influence of variable thermal conductivity and variable electrical resistivity on thermoelectric generator performance, 23:42020
- LEE, John Effect of minor impurities in crystalline anthracene and benzene on positron annihilation, 22:2778 (NYO-3661-5)
  - Prog. rpt. on energy in chemical and biological systems, final, 1964—69, 24:11375 (NYO-3401-6)
  - Prog. rpt. on energy transfer in chemical and biological systems, annual, 3/66—2/67, 21:21829 (NYO-3401-3)
  - Prog. rpt. on energy transfer in chemical and biological systems, annual, 3/67—2/68, 22:30410 (NYO-3401-4)
- LEE, John C. Analytical estimate of Doppler-controlled energy release in a fast reactor disassembly transient, 24:7073
  - Analytical extension of the Bethe—Tait model for zoned fueling and cylindrical cores, 24:7086
  - Axial stability measurements at the Rochester Gas and Electric Reactor, 25:50940
  - Effect of core-zoning on energy release in a fast reactor disassembly transient, 24:33388
  - Effect of variable fuel density in a disassembly transient, 24:7128
- LEE, John Chaeseung Explosive disassembly of fast spectrum nuclear reactors, 24:46075
- LEE, John J. Effects of environmental stress on community structure, productivity, energy flow, and mineral cycling in salt marsh epiphytic communities, 25:37753 (NYO-3995-18)
  - Environmental factors affecting the standing crop of foraminifera in sublittoral communities of a Long Island Salt Marsh, 25:37208 (NYO-3995-15)
  - Prog. rpt. on effects of environmental stress on community structure and productivity of salt marsh epiphytic communities, 1/70—4/71, 25:37754 (NYO-3995-20)
  - Radiosensitivity and light quality responses of salt marsh epiphytic algae, 25:39807 (NYO-3995-19)
- LEE, Jong I. /sup 99m/Tc labeling of erythrocytes, 25:4414
- LEE, Jong Il On-line computer system for the nuclear medicine laboratory, 24:25341
- LEE, Joong Wha Studies on the induction of useful mutations in radish and Chinese cabbage by irradiation, 22:36241
- LEE, Joseph C. Ultrastructure of brain tumors and uptake of ^{203}Hg—chlormerodrin, 24:29793
  - Whistler propagation and instability characteristics, 23:48811 (N-69-32285)
- LEE, Joseph D. The application of a liquid reactivity control system to a large nuclear-electric space power plant, 22:6087
- LEE, Joseph M. Replacement of underwater bearings in a high radiation field, 22:10509
- LEE, Joseph Y. C. Anhydrous, irradiation tetrafluoroethylene—ethylene copolymerization, 25:21026
  - Polymerization of arylacetylenic compounds, 25:18441
- LEE, K. Electromagnetic delay line readout for proportional wire chambers, 25:10846
  - High-frequency Hall-current instability, 25:38259
  - Incinerator air cleaning systems, 23:29131
  - Lattice defects and fluorine motion in LaF_3, 22:17818
  - Muon shielding for a 200-GeV proton interactions, 25:50455
  - Prediction of deformation and deceleration of a composite cylindrical body for the corner drop case, 25:48855 (CONF-710801-(Vol.2), pp 773-84)
  - Radiochemical analysis of ^{90}Sr and rare earths from seawater, 21:36089
- LEE, K. B. Eradication of Korean pine caterpillar by radiation, 24:32322

  - Eradication of Korean pine moth by gamma irradiation, 24:32329
  - Transmission of ^{133}Xe through activated charcoal adsorber beds, 25:10582
- LEE, K. C. Phenomenological theory of lambda transition in ^{4}He, 21:33345
- LEE, K. F. Ordinary-mode electromagnetic cyclotron instability in plasmas, 25:49919
  - Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/67—2/68, 23:16780 (N-68-34518)
  - Prog. rpt. on diagnostics of accelerating plasma, semiannual, 3—8/68, 23:27610 (N-69-15312)
- LEE, K. H. Isolation of auxotrophic mutants of subtilis and E. coli, 25:55189
- LEE, K. L. On-line scintillation counter control system, 25:51896 (UCRL-20636)
- LEE, K. N. Magnetic ordering in PrB$_6$, 25:11988
  - Physical properties of SmB$_6$, 25:22633
  - Spin scattering and magnetic ordering in EuB$_6$, 24:24168
- LEE, K. S. Eradication of Korean pine caterpillar by radiation, 24:32322
  - Eradication of Korean pine moth by gamma irradiation, 24:32329
- LEE, K. S. H. Electromagnetic reflectivity of nonuniform jet streams, 21:44076
- LEE, K. Y. Are Regge trajectories straight lines, 24:1565
  - Associated resonance production in π^-p interactions at 6 GeV/c, 23:1605
  - π^-p $\rightarrow$ $\pi^-\pi^+\pi^-$p reaction at 6 GeV/c, 24:40279
- LEE, Kah-hock Isotope exchanges involving various isomorphous 6-molybdo and 6-tungsto heteropoly anions, 25:31935
- LEE, Kai Delay-line multiplexing method for storage and display of information from magnetostrictive spark chambers, 22:6643 (UCRL-17623)
- LEE, Kai Fong Dispersion and damping of oscillations in Maxwellian plasmas, 21:3844
  - Drift instabilities in confined two-component plasmas, 22:41630
  - Electromagnetic cyclotron instability, 25:38487
  - Electromagnetic instability in counterstreaming plasmas, 25:14342
  - Electromagnetic mode in confined plasma waveguides, 23:10652
  - Electromagnetic mode in counterstreaming plasmas in a magnetic field, 23:23208
  - Electrostatic oscillations and streaming instabilities in Vlasov plasmas, 21:11673
  - Electrostatic waves in inhomogeneous and magnetized plasmas, 23:7013
  - Guided propagation of Alfven waves in the magnetosphere, 23:12666
  - Higher-order modes of the two-stream instability in bounded and/or inhomogeneous plasmas, 21:27213
  - Independence of ion-wave propagation on geometry, 22:1219
  - Influence of finite magnetic field strength on electrostatic waves in bounded plasmas, 24:1461
  - Instability of the linearly polarized mode in counterstreaming electron—ion plasmas, 24:35466
  - Modified extraordinary mode in magnetized plasmas with relative streaming, 24:26247 (N-70-14545)
  - Modified ordinary mode in magnetized plasmas with relative streaming, 23:1470
  - Ordinary-mode electromagnetic instability in counterstreaming plasmas with anisotropic temperatures, 24:28343 (N-70-19273)
  - Ordinary-mode electromagnetic instability in counterstreaming plasmas with anisotropic temperatures, 25:5129
  - Ordinary-mode electromagnetic instability in colliding plasma streams, 25:59065
  - Streaming instabilities in plasmas with zero-order density gradients, 21:9625
  - Thermal stabilization of the modified ordinary wave, 23:23209
- LEE, Kai-fong Effective density and experimental tests of plasma-wave theory, 21:42074
- LEE, Kang Ill Zirconia production, 23:46115
- LEE, Keenan Remote sensing in exploration for mineral deposits, 25:8378
- LEE, Kenneth Annealing study of EuO films doped with Fe Eu, 25:27898
  - Field effect transistors at 4.2°K, 22:23378
  - Giant magneto-optical Kerr effect in EuO, 25:40796
- LEE, Keun Bai Radiation preservation of fermented Korean rice-wine, 25:47077
- LEE, Kiuck Approximate nuclear wave function, 25:5845
  - Mass formula in shell model, 23:21385
  - Pear-shaped deformation in oscillator model, 23:7332
- LEE, Koo-chul Theory of condensed boson system, 23:1293
- LEE, Kwan Gamma-ray radiography by ^{192}Ir, 23:24378 (AERI-21)
  - Incinerator air cleaning system, 23:2540 (AERI-23)
- LEE, Kyu Seung Effects of thyroid treatment by ^{131}I on fattening of female rabbits, 24:14588
- LEE, Kyu Yul Reaction π^-p $\rightarrow$ $\pi^+\pi^-\pi^-\pi^0$p at 6 GeV/c, 25:12101
- LEE, L. Coating thickness measurement by filtering backscattered beta particles, 24:2411
  - Effect of annealing on infrared absorption of the gamma-induced surface layer on germanium, 22:20071
  - Infrared absorption of the gamma-induced surface layer on germanium, 21:27248
- LEE, L. C. Computation of the effective solid angle in angular-correlation experiments using gas targets, 22:32671 (USC-136-138)
  - Computation of the effective solid angle in angular correlation experiments using gas targets, 22:50508
- LEE, L. H. Corrosion and passivation of thin molybdenum films, 25:27171
- LEE, L. L. Jr. Energy levels of ^{55}Fe from the ^{54}Fe(d,p)^{55}Fe reaction, 21:44634
  - Experimental studies of transfer reactions, 22:20724
  - Inhibited (^{3}He,d) transitions to 3s/sub $^1/_2$/ isobaric analog states, 25:3666
  - Reaction (d,n) on ^{24}Mg and ^{28}Si, 21:4262
  - Spin assignments in the 2p shell from J dependence in (d,p) angular distributions, 21:19224
- LEE, L. M. Some dynamic mechanical properties of distended carbons, 24:51211
  - Spall strengths of five carbon materials, 24:24972 (SC-DR-68-604)
- LEE, Larry M. Some dynamic mechanical properties of pyrolytic boron nitride, 22:15252 (SC-RR-67-2947)
- LEE, Lester S. S. Vibration of U-bend segments of heat exchanger tubes, 25:48689 (AECL-3735)
- LEE, Lloyd A. Effects of Rulison Event on buildings and other surface structures, 24:22835 (PNE-R-21)
- LEE, Lorin Capacitance controlled radiation-hardened FM oscillator, 21:34527 (UCRL-13279)
- LEE, M. C. Large peak in spin—phonon interaction in Dy, 24:35558
  - Magnetic field dependence of spin phonon interaction in holmium, 24:42828
  - Temperature dependence of spin—phonon relaxation time in holmium, 24:51824
  - Ultrasonic attenuation in the helical spin state of the rare-earth metals, 22:52884
- LEE, M. Howard Theory of interacting many fermions in one dimension, 23:10773
- LEE, M. J. Beam amplitude behavior upon crossing a linear coupling resonance with damping in one dimension, 23:27975
  - Method for calculating resonant frequencies, mode structures, and field flatness in an Alvarez type linac cavity, 23:28014
  - Steady-state beam loading of a standing wave linac rf system, 22:39500 (BNL-12589)
  - Steady-state beam loading of the linac rf system, 22:26734 (BNL-12418)
  - Synchrotron frequency splitting in SLAC storage ring, 25:50559
  - Throbbing beam instabilities in particle accelerators and storage rings, 21:38071
  - Throbbing beam transverse resistive instabilities in circular accelerators and storage rings, 21:40306 (SLAC-76)
  - Transient beam loading in standing wave linacs, 22:20363 (BNL-12231)
  - Transient beam loading in standing wave linacs, 23:19035 (BNL-50120(Pt.1), pp 108-13)
- LEE, M. L. Effect of reactor irradiation on Santowax OM and WR, 22:42388 (MIT-334-94)
- LEE, M. S. Electrochemical behavior of molybdenum in acid chloride solutions, 25:16513
- LEE, M. W. Scattering of K and Cs by several compounds, 23:34279
- LEE, Marie-Renee Three ternary oxides of Re(VII), 23:40648
  - Two ternary oxygen compounds of rhenium and vanadium, 21:20586
- LEE, Martin Beam—rf cavity stability with feedback control in a circular accelerator, 25:50560
- LEE, Martin A. Supraluminous waves in a relativistic anisotropic plasma, 25:19733
- LEE, Martin Joe Throbbing beam transverse resistive instabilities in circular accelerators and storage rings, 22:44549
- LEE, Min Jai Studies on radiation sensitivity. I, 22:36329
- LEE, Min L. Experience with neutron dose on shipment of high burnup fuel, 25:39692
- LEE, Ming-huei Determination of intermediate neutron energy spectrum, 25:57126
- LEE, Min-li Comparison of degradation rates of Santowax OM and Santowax WR, 22:4172
  - Effect of reactor irradiation on Santowax OM and WR, 23:4208
- LEE, Monhe Howard Pair distribution function in theory of ground state of liquid ^{4}He, 24:21712
- LEE, Moo Ung Survey of radioactivities in field water and soil, 21:12533
- LEE, Moon Nam Infrared absorption in gamma-ray irradiated single crystal of sodium nitrite, 25:3191
- LEE, Myung W. Vapor pressures of ^{36}Ar and ^{40}Ar, 25:103
- LEE, Myung-sook Large dose increment irradiation in treatment of cerebral metastases, 25:16271
- LEE, N. K. Ore analysis for thorium and uranium by delayed neutrons, 21:27909
- LEE, P. Continuous spectrum of neutral helium from gaseous nebulae, 25:9046
  - Note on the central star of NGC 3132, 25:11570
  - Variations of charge radii of Nd from K x-ray isotope shifts, 22:32665
- LEE, P. D. Electron temperatures of gaseous nebulae from continuum to line ratios, 22:36659
- LEE, P. H. Measurement of saturation-induced optical nonreciprocity in a ring laser plasma, 21:14962
- LEE, P. H. Y. Inverse problem for electrostatic plasma probes, 24:45233
- LEE, P. K. Effects of temperature on cobalt glass dosimeters, 24:33950
- LEE, P. L. Nuclear charge radii from atomic K x rays, 24:38232
  - X-ray isotope shifts and nuclear radii in Sm, 25:39010
- LEE, P. W. Studies of the defect structure of nonstoichiometric cerium dioxide, 25:12033
- LEE, Pang-Kai Solubility of cobalt and nickel in sodium, 23:45238 (ANL-7520(Pt.1), pp 299-308)
- LEE, Patrick A. Effect of noise on I—V characteristics of Josephson junctions, 25:11837
  - Fluctuation-induced diamagnetism in superconductors, 25:40527
  - Frequency-pulling effects in Josephson radiation, 23:8556
  - Radiation emitted from a superconducting tunnel junction, 24:35328
  - Theory of Josephson radiation. I, 25:14168
- LEE, Paul Internal motions in the Orion Nebula, 23:41807
  - Method for increasing the dynamic response of photometric systems, 25:49598
  - Spectrophotometric studies of gaseous nebulae. XII, 23:20570
  - Value of R for NGC 2244, 24:23598
- LEE, Paul D. Mean velocities of binaries in the Perseus arm, 24:42471
  - Metal-deficient binary HR 8899, 24:42361
  - Photometric studies of northern galactic clusters. I, 25:35606
  - Radio recombination lines and anomalous Balmer line intensities, 22:4975
- LEE, Paul Dean Level populations of hydrogen and helium in gaseous nebulae, 23:1085
- LEE, Paul Hoong Chien Realistic residual interaction in finite nuclei, 24:30957
- LEE, Philip H. Restraint device for scanning dogs, 25:4654 (CONF-700515-, pp 424-7)
- LEE, Philip Kenton Effects of temperature on cobalt glass dosimeters, 24:36629
- LEE, Po Dependence of excitation temperature of capillary discharge plasma on capillary radius, 21:2214
- LEE, Quong H. Coupling between low- and high-frequency resonances in a bounded plasma, 24:10576
  - Parametric amplification in an rf-sustained plasma capacitor, 23:51702
- LEE, R. Application of intense relativistic electron beams to Astron-type experiments, 25:38492 (CONF-710607-12)
  - Effects of intracorporeal heat and radiation on dogs, 25:26931
  - In-vivo studies of ^{238}Pu capsules, 23:35892
- LEE, R. A. Critical heat flux in a bundle cooled by pressurized water, 24:19146
  - Critical heat flux in a nonuniformly heated rod bundle, 24:19145
  - Determination of W and G(H$_2$) values for methyl fluoride and fluoroform, 24:38931
  - Effect of an applied electrical field on the gamma radiolysis of gaseous hydrogen chloride, 22:4204
  - Evidence for thermal H—atom reactions in irradiated gaseous HCl, 21:101
  - HCl radiolysis in a nuclear reactor, 23:31385
  - Investigation of heat transfer augmentation through use of internally finned and roughened tubes, 25:12891 (NP-18608)
  - Radiolysis of gaseous H Br, 22:40129
- LEE, R. E. Direct proton magnetic resonance cation hydration number measurements of SnCl$_4$, SnBr$_4$, UO$_2$(ClO$_4$)$_2$ AND Zn(C1O$_4$)$_2$, in water—acetone mixtures, 24:46213
- LEE, R. H. Conversion of the Argonne Reactor Computation (ARC) System to control data 6000 and 7000 series equipment, 25:57140 (CONF-710302-(Vol.1), pp 464-71)
- LEE, R. R. Analysis of neutron thermalization in beryllium, 21:25410
  - Factors affecting reactivity coefficients in the HWOCR, 21:7925
  - Heavy water organic cooled reactor, Phase B, 23:21537 (AI-CE-Memo-59)
  - Multidimensional effects in the analysis of xenon spatial stability, 24:7095
  - Network organization of an automated nuclear design system, 25:57146 (CONF-710302-(Vol.1), pp 516-30)
- LEE, R. S. Exitation of electrons across Al$_2$O$_3$ insulating barriers by proton bombardment, 24:51792
  - Hall effect of Gd, Lu, and Y single crystals, 21:44174
  - Radiation induced currents across Al$_2$O$_3$ films, 25:21492
- LEE, Robert E. Direct proton magnetic resonance cation hydration study of uranyl perchlorate, nitrate, chloride, and bromide in water—acetone mixtures, 25:2209
  - Proton magnetic resonance hydration study of Sc, Y, and Th perchlorates in water—acetone mixtures, 24:13850
  - Proton magnetic resonance solvation study of Sc(NO$_3$)$_3$, Y(NO$_3$)$_3$, and Th(NO$_3$)$_4$ in water—acetone mixtures, 23:24199
- LEE, Robert F. Supersonic aerodynamics and rocket propulsion, 23:47279
- LEE, Robert Roy Calculation and interpretation of neutron thermalization in finite blocks of beryllium, 22:3598
- LEE, Ronald S. Anomalous Hall effect in rare earth metals, 23:8660 (CONF-681020-(Vol.1), pp 359-70)
- LEE, Ronald Stanley Hall effect of Gd, Lu, and Y single crystals, 21:23248 (IS-T-139)
- LEE, Ronald Tse Proton exchange rates and nuclear magnetic resonance relaxation in aqueous solutions of a hydrolytic trimer of Cr(III) ion, 25:2051 (UCRL-19639)
- LEE, Rosemary C. Simulated radiation fields from ^{238}Pu-fueled artificial hearts, 24:17147
- LEE, Roswell Relativistic beam in a magnetized plasma, 25:33275
  - Relativistic beam propagation in magnetized plasma, 25:11886 (NYO-4077-1, Paper 4)
- LEE, Rupert Archibald Radiolysis of gaseous hydrogen halides, 22:6316 (PRNC-105)
- LEE, S. NMR quadrupole structures in dynamic nuclear polarization with inhomogeneously broadened ESR line, 22:31963
  - Simulated space effects on microelectronic device materials, 22:10673
- LEE, S. C. Replacement reactions of hot chlorine atoms in chlorofluoromethanes, 25:54688
  - Studies on radioactive contamination of the atmosphere, soil, and agricultural products in Korea, 22:36287
- LEE, S. H. Incinerator air cleaning systems, 23:29131
  - Prog. rpt. on air cleaning, semiannual, 3—8/70, 25:10797 (NYO-841-23)
- LEE, S. M. Applicability of self-consistent one dimensional analysis to very small reflected cylindrical fast assemblies, 24:16289
  - Coulomb stripping in reaction ^{89}Y(d,p)^{90}Y at 4 MeV bombarding energy, 23:19226
  - Intermediate resonances in the reaction ^{24}Mg(d,p)^{25}Mg, 22:27057

  Mechanism of reaction ^{24}Mg(d,p)^{25}Mg from 2 to 4 MeV, 23:7269
  Nuclear structure in the intermediate mass region by using isobaric analogue resonances, 22:48575 (JAERI-1158, pp 64-7)
  Reaction ^{89}Y(d,p)^{90}Y at energy below the Coulomb barrier, 22:27050
  Reactor physics calculations for a high density fast critical assembly, 24:16245
LEE, S. P. Y. Faddeev's equations in the SU(3) representation of a three-particle state, 25:28056
LEE, S. W. Edge condition and "intrinsic loss" in uniaxial plasma, 22:15530
  Wave propagation in earth—ionosphere waveguide, 21:23088
LEE, S. Y. Compositeness of external particle and absence of fixed poles in photoproduction processes, 24:47403
  Existence of the covariant time-ordered product of currents, 24:12966
  Fixed poles in photoproduction amplitudes, 23:15044
  Possible CP violation in $K^{+-} \rightarrow \pi^{+-}\gamma\gamma$, 25:30928
  T invariance and unitarity limit in K/sub L/^{0} $\rightarrow \mu^{+}\mu^{-}$, 25:59543
  Test of dominance of tensor-meson nonet trajectories in SU(3)-symmetry breaking, 25:33607
LEE, Sabrina Lin Decay schemes of ^{131}Ba and ^{192}Ir nucleus, 25:12532 (TID-25592)
LEE, Sabrina V. J. Lin Decay schemes of ^{131}Ba and ^{192}Ir nuclei, 25:15062
LEE, Sang Hoon Behavior of iodine in sodium systems, 25:20760 (CONF-700816-(Vol.1), pp 356-72)
  Incinerator air cleaning system, 23:2540 (AERI-23)
  Use of Korean clay minerals in treatment of radioactive liquid wastes, 23:43486 (AERI-31)
  Utilization of Korean clays and minerals for radioactive liquid waste treatment and disposal, 25:21282 (IAEA-R-566-F)
LEE, Sang Soo Detection of ^{235}U fission fragments by solid state track recorder using cellulose nitrate, 25:18724
  Infra-red absorption properties of irradiated polyethylene, 25:31993
  Radiation effect on optical rotatory activity in sucrose. II, 22:27805
  Radiation effect on optical rotatory activity in sucrose. I, 22:27806
  Thermoluminescence properties of optical grade (LiF), 25:25224
LEE, Sang-Moo Intermediate structure in the ^{24}Mg(d,p)^{25}Mg reaction, 24:20346 (JAERI-1184, pp 126-30)
LEE, Sang-mu Reaction ^{19}F(p,α)^{16}O from 2.2 to 3.4 MeV, 21:7698
LEE, Sheridan H. Use of irradiated third-stage larvae of A. cantonensis as antigen, 23:50382
LEE, Shi-tsuen Polarography of U(VI) complexes, 23:35113
LEE, Shung-wu. Guided waves in plasma media, 21:7266
LEE, Shun-Yi. T product of currents and fixed J poles in photoproduction processes, 24:18128
LEE, Sing Transverse ionizing shock waves in a planar electromagnetic shock tube, 24:47231 (NP-18406)
LEE, Sook Dynamic nuclear polarization (solid-state effect) associated with asymmetric ESR spectra in polycrystals, 22:24460
  New method of resolving NMR structures using dynamic nuclear polarization techniques DTIE; US, 23:5481
  Observation of a new Gd^{3+} ESR center in irradiated CaF$_2$, 24:32899
LEE, Sun Renal homotransplantation in rats. II, 23:2937
LEE, T. Many-body perturbation theory for molecules based on a united atom model, 24:39889
LEE, T. A. Infrared excess of RY SGR, 23:48588
LEE, T. D. Algebra of fields, 21:29471
  Algebra of fields, 25:59324
  Algebra of the observed current operators, 22:41765
  Algebra of the observed current operators, 23:49187
  Analysis of divergences in a neutral-spin-1-meson theory with parity-nonconserving interactions, 23:21084
  C, P, T symmetries, 22:41833
  C, P, T symmetries, 23:49188
  CP non-invariance, electromagnetic interaction, and field-current identities, 22:5619 (NYO-1932(2)-127)
  CP nonconservation and inequalities between $\mu^{+}\mu^{-}$ and 2γ decay rates of K/sub S/^{0} and K/sub L/^{0}, 25:45711
  Decays of charged K mesons, 21:17091
  Decays of neutral K mesons, 21:17092
  Field-current identities and algebra of fields, 22:5643
  Field-current identities and intermediate bosons, 22:26703
  Finite theory of quantum electrodynamics, 24:47498
  Finite theory of quantum electrodynamics, 25:17555 (NYO-1932(2)-183)
  Hadronic contributions to the photon propagator, 23:23416
  Hadronic electromagnetic current and neutral vector mesons, 22:5542
  History of weak interactions, 25:9735 (NYO-1932(2)-186)
  Intermediate bosons and the electromagnetic field, 22:44486
  Mass formulae and SU$_3$ symmetry, 21:15378
  Minimal electromagnetic interaction and C-, T-noninvariance, 22:13814
  Negative metric and unitarity of S-matrix, 23:23555
  Neutral vector mesons and the hadronic electromagnetic current, 21:13683 (NYO-1932-116)
  Neutral vector mesons and the hadronic electromagnetic current, 21:33660
  Other aspects of weak interactions: high energy neutrino physics and questions of C, P, T noninvariance, 21:31623
  Possible C non-invariance in the electromagnetic interaction, 21:11791
  Possible C-, T-noninvariance in electromagnetic interactions, 22:13813
  Possible existence of spin-0 W^{+-} and some of its experimental consequences, 24:52050
  Possible way to remove divergence difficulties in physics, 23:16985 (NYO-1932(2)-145)
  Questions of Lorentz invariance in field theories with indefinite metric, 25:20073
  Recent progress in constructing finite, relativistic, and unitary field theories, 25:25492
  Relativistic complex pole model with indefinite metric, 24:45611
  Remarks on Δ I Vector absolute value = $^{1}/_{2}$ rule in non-leptonic weak decays, 25:7612 (NYO-1932(2)-184)
  Remarks on the absolute value of Δ I Vector = $^{1}/_{2}$ rule in non-leptonic weak decays and the use of the phenomenological Lagrangian, 25:25384 (NYO-1932(2)-182)
  Remarks on the Δ I absolute value = $^{1}/_{2}$ rule in non-leptonic weak decays and use of phenomenological Lagrangian, 25:9732 (BNL-50260)
  Scaling properties in e-p scattering, 25:36435 (NYO-1932(2)-189)
  Some new applications of indefinite metric to quantum electrodynamics and weak interactions, 25:56547 (NYO-1932(2)-200)
  Space inversion, time reversal, and charge conjugation, 22:7534
  Speculative determination of the intermediate-boson mass, 25:33661
  Symmetry principles in physics, 25:22856 (BNL-50261)
  Symmetry principles in physics, 25:38759
  Theoretical survey of high-energy neutrino interactions, 21:15309
  Unitarity in Nthetatheta sector of soluble model with indefinite metric, 23:25712
  Weak interactions and CPT asymmetries, 24:5323
  Weak interactions and high-energy neutrino physics, 21:15304
LEE, T. H. Effect of γ radiation on tomato fruit, 22:43518
  Physiology of disks of irradiated tomato fruit. I, 25:27067
  Physiology of disks of irradiated tomato fruit. II, 25:46723
  Radioimmunoassay procedure for ovine pituitary prolactin, 22:12800
  Repair of protein in γ irradiated tomato fruit, 25:46742
  Soil-structure interaction effects on the seismic response of nuclear power plants, 25:39618
LEE, T. J. Comments on an electron diffraction study of Cs adsorption on W, 25:17295
  Condensation of hydrogen on interstellar grains, 25:45266
  Reaction ^{27}Al(d,α)^{25}Mg, 21:2694
  Rule (2J + 1) in the ^{25}Mg(d,α)^{23}Na reaction at low energies, 21:46693
  Temperature coefficients of work functions of surfaces of W, 23:25442
LEE, T. S. Hydromagnetic interplanetary shock waves, 23:6861
  Singular variations near the contact discontinuity in the theory of interplanetary blast waves, 22:41286
LEE, T. Y. Beta-decay of the hypertriton, 21:23406
  Binding energies of p-shell hypernuclei, 25:12393
  Bootstrap calculation of quark—antiquark channel, 22:3386
  Effective interactions between inequivalent nucleons in 1p and 2s, 1d shells, 25:45932
  Λ binding energy for 2s—1d-shell hypernuclei. I, 25:45770
  Shell-model structure of the p-shell hypernuclei, 25:3721
LEE, Ta-jyh Photochemistry of some α-ketopropiophenones. Evidence for an unusual cyclic transiton state for hydrogen abstraction, 25:10554
LEE, Ted Fabrication techniques for ^{6}LiF—Teflon and Pb shields for γ dosimetry, 24:7654 (K-1779)
LEE, Theresa C. Mitotic death due to radiation and drugs in Chlamydomonas and Chlorella, 21:34824
LEE, Thomas A. Infrared radiation from upsilon Sagittarii, 22:5002
  Interstellar extinction in Orion association, 22:36651
  Observations of the 5μ source in Orion, 24:17443
  Photometry of high-luminosity M-type stars, 25:830
  UBVRI photometry of infrared stars, 24:42369
LEE, Thomas Alan Interstellar extinction in the Orion association, 21:46116
LEE, Thomas S. Local jump in momentum transfer rate at front of flare-fresh solar plasma in space, 23:34202 (AD-684762)
LEE, Tse-ching Kinetic energy and charge distribution of the fission fragments, 21:1093
LEE, Tsong-jen Detection of ^{12}C(p,p)^{12}C polarization, 21:25442
LEE, Tsun-nin Probable role for protein synthesis in intestinal epithelial cell damage induced in vivo by cytosine arabinoside, nitrogen mustard, or x-irradiation, 24:39564
LEE, Tun-chien Lattice vibration of graphite, 22:20070
LEE, Tzong-jen Total neutron cross sections of sulfur and tungsten between 5.3 and 6.3 MeV, 22:20523
LEE, Un Chul General energy-dependent transport equation with fission, 25:28155
LEE, Vincent J. Preliminary photometry of open cluster NGC 609, 25:35605
  UBV observations of 3C 273. III, 25:4916
LEE, W. Comments on Yuta-Okubo eta asymmetry mechanism, 23:10738
  Dalitz-plot distribution of decays eta $\rightarrow \pi^{+}\pi^{-}\pi^{0}$ and eta $\rightarrow \pi^{+}\pi^{-}\gamma$, and the branching ratio eta $\rightarrow \pi^{+}\pi^{-}\gamma$/eta $\rightarrow \pi^{+}\pi^{-}\pi^{0}$, 24:45408
  Eta and eta' production near thresholds and backward charge-exchange differential cross section in π^{-}-p reactions, 22:15689
  eta and eta' productions near thresholds in π^{-}-p reactions, 21:879 (NEVIS-155)
  Experimental test of C invariance in eta $\rightarrow \pi^{+}\pi^{-}\gamma$, 22:41725
  Experimental test of C invariance in eta $\rightarrow \pi^{+}\pi^{-}\pi^{0}$, 22:41724
  Search for intermediate bosons in proton-nucleon collisions, 21:867 (NEVIS-153)
  Search for new heavy particles, 22:13647
LEE, W. G. Kinetics, isotope rate effect, and mechanism of dehydrobromination of cis-1,2-dibromoethylene with triethylamine in dimethylformamide, 23:9383
LEE, W. H. Geologic effects of Greeley Event, 23:13895 (NTS-196)
  Geologic effects of Greeley Event, Nevada test site, 23:38095 (USGS-474-12)
LEE, W. I. Instability in reverse I-V characteristics of Si p—n junctions, 23:17891
LEE, W. M. New technique for determining in heterogeneous media: plastic foam, 24:53023 (BDX-613-229)
LEE, W. S. Nuclear power at Oconee, 23:28390
  Oconee Nuclear Station to cost $100 per net kw, 23:43068
LEE, W. T. Biaxial stress-rupture properties of austenitic stainless steels in zirconium-gettered sodium, 22:691 (NAA-SR-12353)
  Biaxial stress-rupture properties of austenitic stainless steels in static sodium, 22:41032 (AI-AEC-12694)
  Corrosion of Type 18-18-2 stainless steel in 1200°F static Na, 23:29963 (LMEC-69-11)
  Creep under high heat flux and stress-rupture properties of austenitic stainless steels in elevated-temperature sodium, 23:46034 (ANL-7520(Pt.1), pp 74-92)
  Effects of cold work on the stress-rupture behavior of austenitic stainless-steel cladding, 22:31351
  Examination of 2$^{1}/_{4}$ Cr—1 Mo ferritic steel tubes exposed to small leaks of water in flowing sodium, 25:37922 (LMEC-70-21)
LEE, W. W. Automatic linear variable differential transformer (LVDT) calibrator, 21:24138 (Y-1567)
  Beam bunch length matching at transition crossing with space-charge forces, 25:50551
  Inspection data logging system, 21:19816 (Y-1565)
  Longitudinal oscillations of Lorentzian electron gas, 25:27822
  Probe constant for in-situ determination of thermal conductivities of soils, 21:43168
LEE, W. W. Jr. Trace scanning, 23:33575
LEE, W. Y. Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 23:49422
  Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 24:52603
  Resonance process and intensity anomaly in muonic ^{127}I, 24:52604
  Resonance process and intensity anomaly in muonic ^{127}I, 25:43949
LEE, Wah Doses to the central nervous system of children resulting from x-ray therapy for tinea capitis, 25:16130 (BRH/DBE-70-4)
LEE, William David Effect of pressure on luminescence of helium II, 25:27636
LEE, William H. Lithologic log of drill hole UAe-1 from 0 to 5,028 feet, Amchitka Island, Alaska, 24:7506 (USGS-474-46)
  Lithologic log of drill hole UAe-3 from 0 to 4,816 feet, Amchitka Island, Alaska, 24:7509 (USGS-474-50)
  Lithologic log of drill hole UAe-3 from 4,800 to 7,012 ft., Amchitka Island, Alaska, 24:9494 (USGS-474-51)
  Lithologic log of emplacement drill hole UA-1 from 5,000 to 6,500 feet, Amchitka Island, Alaska, 23:17555 (TID-24985)
  Photoreactivation of amphibian cells in culture, 22:45667
  Physical properties of rocks in drill hole UAe-2, Amchitka Island, Alaska, 23:17556 (TID-24986)
  Physical properties of rocks in drill hole UAe-6c, Amchitka Island, Alaska, 23:43404 (USGS-474-33)
  Physical properties of rocks in drill hole UAe-3, Amchitka Island, Alaska, 23:47626 (USGS-474-6)
  Physical properties of rocks in drill hole UAe-1, Amchitka Island, Alaska, 24:9493 (USGS-474-48)
  Preliminary lithologic log of drill hole UAe-1 from 5,000 to 7,000 ft., Amchitka Island, Alaska, 24:7507 (USGS-474-47)
LEE, William Leung Him Dynamics of a theta pinch discharge in a transverse magnetic field, 21:33461
LEE, William R. Foraging of honey bees, 22:4689
  Mutations produced by ^{32}P in Drosophila, 22:28426
  Prog. rpt. on mutagenic effect of transmutation in drosophila and the honey bee, annual, 6/14/69, 23:38524 (ORO-3728-2)
LEE, William S. Nuclear fuel reprocessing: importance to the utilities, 21:40946 (CONF-670542-, Paper 1)
  Role of codes and standards in achieving safe, dependable, and economic nuclear power, 25:39180 (A/CONF.49/P-43)
LEE, William T. Effect of zirconium gettering on biaxial stress rupture properties of austenitic stainless steels in sodium, 23:38968
  Effect of zirconium-gettering on biaxial stress-rupture properties of austenitic stainless steel in sodium, 22:33168
LEE, William W. Argon concentration in W films, 24:23484
  Metal films sputtered at low voltages, 23:3051
LEE, William Wei-li. Longitudinal oscillations of a Lorentzian electron gas, 25:22558
LEE, Y. Pool boiling heat transfer with mercury and mercury containing dissolved sodium, 23:17681
LEE, Y. C. Bonding of small molecules to DNA following ionizing radiation, 24:20823
  Conservation theorem and the method of moments in quantum scattering, 24:30599
  Convergence of the two-component plasma correlation function, 22:41550
  Radiation from nonlinearly excited plasmas, 21:23185
  Theory of parametric coupling in plasmas, 21:7298
LEE, Y. H. Ore analysis for thorium and uranium by delayed neutrons, 21:27909
LEE, Y. J. One phonon excitation in titanium hydride by low energy neutrons, 25:3536
  Projected role of nuclear power in Korea, 25:53913 (A/CONF.49/P-778)

- LEE, Y. K. Closed-cycle helium refrigerator for Moessbauer studies, 22:7212 (NYO-2028-2, pp 139-49)
  - Development of Compton polarimeter with solid state detectors, 25:21484
  - Fabrication of large planar Ge(Li) detectors, 24:5901
  - Gamma energy and intensity measurements on ^{57}Fe, 22:7660 (NYO-2028-2, pp 128-38)
  - Gamma ray polarimeters with Ge—Li detectors, 24:33882
  - Ge(Li) Compton effect gamma ray polarimeter, 23:50229
  - Measurement of factors for first excited states of ^{174}Yb and ^{176}Yb, 22:7694 (NYO-2028-2, pp 1-11)
  - Measurement of g/sub R/ factors for first excited states of ^{174}Yb and ^{176}Yb using Moessbauer effect, 22:3719
  - Moessbauer effect following Coulomb excitation of ^{57}Fe, 21:15229
  - Moessbauer effect following Coulomb excitation of ^{154}Sm, 22:7698 (NYO-2028-2, pp 37-44)
  - Moessbauer effect following Coulomb excitation in the even—even isotopes of Yb, 22:34786
  - Moessbauer effect in ^{153}Eu, 22:7697 (NYO-2028-2, pp 24-36)
  - Moessbauer effect in ^{170}Er following Coulomb excitation, 22:7696 (NYO-2028-2, pp 18-23)
  - Moessbauer effect in ^{238}U following Coulomb excitation, 22:7695 (NYO-2028-2, pp 12-17)
  - Moessbauer studies with Van de Graaff accelerators, 24:28794
  - New Moessbauer levels in rare earths following Coulomb excitation, 21:35479
  - Observation of Moessbauer effects in the decay of Coulomb excited nuclear levels, 22:5875
  - Observation of the Moessbauer effect in ^{238}U following Coulomb excitation, 21:44721
  - Polarization measurements of the gamma-ray transitions from the 1.459-MeV level in ^{19}F, 25:50654
  - Recoilless gamma rays from nuclear reactions, 21:1063
  - Use of a closed cycle He refrigerator for Moessbauer studies, 22:39201
- LEE, Y. T. Crossed-molecular-beam study of collision-induced dissociation of alkali halides, 25:43131
  - Effect of nuclear symmetry in atom—atom scattering, 24:39858
  - Intermolecular potentials from crossed-beam differential elastic scattering measurements. I. Ne + Ar, Ne + Kr, and Ne + Xe, 24:49016
- LEE, Y. Y. Bootstrap calculation of quark—antiquark channel, 22:3386
  - Cabibbo angle determination, 23:25586
  - Determination of trace elements in rice seeds by neutron activation analysis, 23:4554
  - Determination of trace elements in rice, 24:920
  - Di-pion production in high-energy π^-p collisions, 22:9512
  - Meson and isobar resonance production in π^-p interactions at 3.63 GeV/c, 21:37704
  - Polarization of Λ^0 in decay $\Sigma^0 \rightarrow \Lambda^0 + e^- + e^+$, 22:9543
  - Scalar densities and mesons, 24:3724
- LEE, Y.-K. Nuclear moments by Moessbauer effects following Coulomb excitation, 22:46801
- LEE, Yee Yen Baryon octet masses in broken SU(3) x SU(3), 23:49190
  - Phenomenological Lagrangian model of chiral SU(3) x SU(3) for mesons and baryons with symmetry breaking, 24:10801 (COO-264-527)
  - Phenomenological Lagrangian model of chiral SU(3) x SU(3) for mesons and baryons with symmetry breaking, 25:9794
- LEE, Yee-yen C invariance and ($\pi^0e^-e^+$) and ($\pi^02\gamma$) modes of eta-decay process, 21:44318
  - CP invariance and radiative decay of long-lived neutral K meson into two pions, 22:22428
  - Crossing matrices concerning the fundamental triplet of SU(3), 22:20291
- LEE, Youn Yung Study on preparation of ^{18}F-containing organic compounds. II, 22:27804
- LEE, Young C. Studies on RNA and histone relationships during the synchronized Tetrahymena life cycle, 25:10400 (UCLA-12-788)
- LEE, Yu Hao Total neutron cross sections of sulfur and tungsten between 5.3 and 6.3 MeV, 22:20523
- LEE, Yuan Tseh Prog. rpt. on dynamics of chemical reactions, annual, 4—12/70, 25:12886 (COO-2092-1)
- LEE, Yuan-tseh Charge transfer between positive alkali ions and atoms, 22:47826
  - Product energy and angular distributions from reaction of N_2^+ with isotopic hydrogen molecules, 22:34290
- LEE, Yu-hao Total neutron cross sections of carbon and lead, 23:25836
- LEE, Yung H. Edge and curve enhancement in digital pictures, 24:13699 (ORO-3662-4)
  - Edge and curve enhancement in digital pictures. II, 24:33595 (ORO-3662-6)
- LEE, Yung Jae Computation of transmission of 28 GeV protons in emulsion measured by along-the-track scanning method, 22:29624
  - Inelastic scattering of 20 GeV protons in G-5 emulsion, 22:29621
  - Spectral analysis of fast neutrons from triga mark-II, 22:30332
  - Track counting to measure interaction cross section of emulsion to high energy particles, 23:2647
- LEE, Yung-keun Laboratory fabrication of lithium-drifted germanium detectors for gamma rays, 22:6562 (NYO-2028-2, pp 150-8)
- LEECE, J. Mains-frequency induction heating of high-temperature flowing sodium, 21:8499 (TRG-Report-1273)
  - Sodium pump instrumentation, 25:23925
- LEECH, J. R. Beryllium technology, 21:43568
- LEECH, William Dale Weight optimization of reactor shielding using transmission-matrix methods, 25:3859
- LEECOST, T. Jr. Comparative maternal-fetal transfer of alkaline-earth elements, 23:7931 (ORO-2401-13)
- LEEDER, W. R. Kinetics of the exchange reaction of dimethylarsenic deuteride with diethylarsine, 25:15598
- LEEDS, Donald H. Pyrolytic graphite, 25:49529
- LEEDS, Sanford E. Pulmonary lymph flow after irradiation of the lungs of dogs, 25:39916
- LEEDY, R. TEUTA: kinematical analysis program for colliding beam events, 21:22133 (SLAC-72)
- LEEDY, R. L. Prog. rpt. on radioisotope space power generator, annual, 7/67—6/68, 24:22875 (GA-8928(Pt.2))
- LEEFER, Bernard I. Future space applications for transuranium isotopes, 24:5819
- LEEFLANG, H. P. Apparatus for neutron radiography, 25:51732 (RCN-135)
- LEE-FRANZINI, J. Beta decay of the Λ hyperon, 25:33527
  - Branching ratio for $\Lambda \rightarrow p\mu\nu$, 25:40867
  - Decay $\Sigma^{+-} \rightarrow \Lambda e^{+-}\nu$, 23:21045
  - Partial decay rates of eta^0 meson, 22:7422
  - Particle momentum distributions for 8.5-GeV/c π^+p interactions, 25:59317
  - Strangeness-changing leptonic decay rates for Σ^{+-} hyperons, 25:59261
- LEE-HU, C. Rubidium—Sr, U, and Th—Pb dating of lunar material, 24:21522
- LEEMAN, S. Low-energy anti KN scattering parameters, 23:32737
  - Nonlocal potentials and two-body scattering, 24:18102
- LEEMANN, Ch. Reaction ^{3}He Vector(d Vector,p)^{4}He at 430 keV, 25:53574
  - Reaction ^{3}He Vector(d,p)^{4}He below 2.5 MeV, 25:53571
  - Reaction ^{3}He Vector(d,p)^{4}He between 2.8 and 10 MeV, 25:53572
  - Reaction ^{3}He(d,p)^{4}He with polarized and unpolarized targets, 25:45891
- LEE MARCIA R. Uv-induced colicines of E. coli from normal human intestine, 21:36772
- LEENDERS, L. Accurate experimental techniques for UO_2—PuO_2—H_2O lattice evaluation, 25:41568
  - Basic experimental reactor physics program on UO_2—PuO_2—H_2O lattices, 25:41567
  - Experimental and theoretical physics work on Pu enriched LWR's lattices, 25:12796 (EURAEC-2145)
- LEENE, H. R. Tri-n-alkylamine and -arsine oxide in reversed-phase extraction chromatography, 25:37478
- LEENHOUTS, H. P. Fading of radiation-induced optical density in polymethylmethacrylate on oxygen diffusion, 25:4384
  - Investigation of the odd-parity states of ^{40}Ca with the Tabakin interaction and the MSDI, 22:46735
  - Spins and parities of levels in ^{40}Ca, 23:15404
- LEENHOUTS, Hendrik Pieter Experimental and theoretical study of ^{40}Ca level scheme, 22:22559 (NP-17384)
- LEEP, R. W. Barkhausen effect and its application in nondestructive testing, 22:23241
  - High speed temperature monitor, 23:40461
- LEEPER, D. B. Chromosomal aberrations and mortality of x-irradiated mammalian cells: emphasis on repair, 25:26723
  - Effect of cell concentration during irradiation at low oxygen tension on survival of mouse cells, 22:40913
- LEEPER, Dennis B. Mitotic inhibition and its relation to survival in S-180 ascites tumor cells in vivo following fractionated exposures of x-radiation, 25:19091
- LEEPER, Dennis Burton Formation and distribution of lysosomes and other responses of sarcoma-180 mouse ascites tumor cells to x irradiation, 24:41975
- LEEPER, W. A. Productuion of unalloyed molybdenum forgings for service requiring high impact strength, 21:9146
- LEER, E. Ion-reflection of downward-propagating whistlers at low latitudes, 25:9321
  - Low-latitude whistlers generated by same lightning discharge, 25:14114
- LEER, Egil Motion of charged particle in constant homogeneous magnetic field, 23:49023
- LEES, D. G. Cracking in oxides on Zr alloys, 24:21424
- LEES, D. J. Plasma containment in medium- and high-shear stellarators, 25:40583
  - Plasma containment in the Proto-Cleo stellarator, 25:38373 (CONF-710607-106)
- LEES, E. A. Design and fabrication of Mark IV superheat fuel, 21:27675 (GEAP-5097)
  - Fabrication of centermelt assemblies, 23:48507 (GEAP-10032)
  - Power reactor high performance UO_2 program: fuel design summary and program status, 22:22698 (GEAP-5591)
  - Prog. rpt. on power reactor high performance UO_2 project, 7—10/66, 21:22903 (GEAP-5402)
  - Prog. rpt. on power reactor high performance program, 1—3/67, 21:30143 (GEAP-5487)
  - Prog. rpt. on power reactor high performance UO_2 project, 11—12/66, 21:31936 (GEAP-5431)
  - Prog. rpt. on power reactor high performance program, 4—6/67, 21:44837 (GEAP-5521)
  - Residual stress and stress-corrosion cracking of type-304 stainless steel fuel cladding, 22:50730 (GEAP-4221)
- LEES, G. M. Irradiation damage in mild steel, 22:19596
- LEES, H. Production of $^{13}N_2$ by 50-MeV protons for use in biological N fixation, 21:30771
- LEES, J. Superconductor—glass vacuum seals, 22:17565
- LEES, Joseph K. Moessbauer effect in tin compounds, 22:22228
- LEES, P. Welding by friction, 22:21672 (TRG-Report-1157)
- LEES, W. L. Nuclear safety design of fuel fabrication processes, 22:10081 (NYO-9714)
- LEESE, B. Triton X-100 scintillant for counting ^{45}Ca in biological fluids, 24:486
- LEESEMANN, D. Excretion of amino acids following irradiation, 24:50753
- LEET, G. Irradiation rigs for Dounreay fast reactor, 24:40896 (TRG-Report-1911, pp 346-74)
- LEET, G. O. Irradiation creep in Dournreay Fast Reactor, 24:12448
- LEET, William L. Concentration of ^{65}Zn by oysters, 23:18009 (CONF-670503-, pp 363-71)
- LEETZ, H.-K. Dose calculation in telecobalt therapy, 24:4631
  - Dose calculations in telecobalt therapy by computer, 24:14486
  - First experiences in the use of a computer system in clinical radiation physics, 25:26755
- LEETZ, Hans-Karl Computer program for dose distributions in teletherapy with ^{60}Co, 25:44879
  - Contribution to indications and methods of irradiation in cases of malignant systemic diseases, 25:29599
  - Program for computation of dose distributions in teletherapy with ^{60}Co gamma radiation. II, 25:55220
  - Program used for calculation of dose distributions for teletherapy with ^{60}Co-gamma rays. III, 25:55221
- LEE-WHITING, G. E. Analysis of equivalent circuits for linac tanks, 23:19057 (BNL-50120(Pt.2), pp 471-4)
  - Beam matching with quadrupole lenses, 23:30885
  - Beam-cavity interactions in S.O.C, 22:41887 (RHEL/M-124, pp 13-27)
  - Calculation by conformal mapping of shapes of poles or electrodes for quadrupole lenses, 23:37031 (AECL-3253)
  - End effects in first-order theory of quadrupole lenses, 24:10877
  - Linac cavity field calculations, 23:19061 (BNL-50120(Pt.2), pp 533-6)
  - Longitudinal space-charge effects in bunchers, 23:19044 (BNL-50120(Pt.1), pp 346-52)
  - Measurement of quadrupole lens parameters, 24:35758
  - Numerical calculations on beam matching, 23:25719 (AECL-3193)
  - Planar formation of an electron ring in a static magnetic field, 25:25544 (AECL-3779)
  - Semi-analytical calculations for circular quadrupoles, 25:43757
  - Space-charge forces in a linac buncher, 23:27982
  - Third-order aberrations of a magnetic quadrupole lens, 24:38025
- LE FAOU, J. Determination of electromagnetic wave trajectories in the ionosphere, 25:47412
- LEFAURE, J. Catabolism of serum albumin in the irradiated rabbit, 21:45556
- LEFEBURE, Patrice Study of 3 ^{1}P—2 ^{1}S line of He excited by H ion beam, 25:43129
- LEFEBURE, Patrick Excitation of singlet and triplet He levels by H^+, H_2^+, H_3^+, 24:17684
  - Polarization of He de-excitation light under H-ion impact, 25:7164
- LEFEBVRE, Gerald M. Regional radiosensitivity of bacterial spores, 24:34773
- LEFEBVRE, Gerald Marcel Partial irradiation of bacterial spores, 23:10121
- LEFEBVRE, J. Action of ionizing radiation on the fetus, 21:14759
  - Distribution of bone marrow in newborn, 24:4652
  - Problems of estimating absorbed bone marrow doses to infants and children from radiological diagnostic examination, 25:24177
  - Problems posed in the estimation of medullary dose absorbed by the nursing infant and the child in the course of a radiodiagnostic examination, 23:29496 (CEA-CONF-1239)
  - Radiation induced fetopathies, 24:855
- LEFEBVRE, J. C. Biochemical considerations on alveolar retention of liquid rare earth aerosols, 25:18889 (CEA-CONF-1676)
- LEFEBVRE, Jean Process for separating strontium from fission product solution by fixing on antimonic acid, 22:51081
- LEFEBVRE, Jean-Claude Calculation methods for heterogeneities in reactors of the natural uranium-graphite—gas type, 25:36989 (CEA-N-1398)
- LEFEBVRE, JM. Saturne injector, 23:19068 (BNL-50120(Pt.2), pp 660-72)
- LEFEBVRE, M. J. M. Vacuum chamber project for a synchrotron, 21:9890
- LEFEBVRE, R. Correlation effects in atoms and molecules, 23:39342
  - Electron magnetic resonance spectra of radicals from amino acids, 24:9382
- LEFEBVRE, Roland Growth and decay of paramagnetic species in irradiated poly(methyl methacrylate), 22:35847
- LEFEBVRE, S. Radiation effects on lithium fluoride single crystals, 21:23256 (UCRL-Trans-10091)
- LEFEBVRE, Simone Moessbauer effect study of $FeLiO_2$ (β phase), 22:31980
- LEFEBVRE-BRION, H. Quasi-diabatic representation for inelastic collisions, 25:55849
- LEFEBVRES, F. Collection of problems in nuclear physics and particle physics, 25:39091
  - Measurement of cross section of d,p elastic scattering at 180 and 174.5° in c.m. system with incident deuterons at 3.78 GeV/c, 23:51845 (CEA-CONF-1406)
  - Observation of meson structures of masses 300 and 450 MeV, 23:51847 (CEA-CONF-1408)
  - Study of reaction $d + d \rightarrow {}^4He + (MM)^0$ at 180° in c.m. system for an incident pulse of 3.78 GeV/c, 23:51846 (CEA-CONF-1407)
- LEFELHOCZ, John F. Infrared, Moessbauer, and NMR studies of stannous chloride and bromide complexes of thiourea and tetramethylthiourea, 25:18271 (COO-38-727)
- LEFEVER, Hermon Michael Structure and function of the 3C1,2,3 region of the X-chromosome of Drosophila melanogaster, 21:20156
- LEFEVER, R. A. Transparent yttrium oxide ceramics, 22:4855
- LEFEVRE Ultra high vacuum metrology, description of a calibration bench and associated measuring equipment, 25:54992
  - Ultrahigh vacuum metrology, 25:42047
- LEFEVRE, Antoinette Thin layers by electrolytic deposition, 24:39693
- LEFEVRE, B. G. Deformation in ordered Au_4V, 24:4808

  Field-ion studies of microstructures and transformations in long-range-ordered alloys, 25:27255
  Ordering and the K state in Ni—Mo alloys, 22:31401
  Prog. rpt. on structure and mechanical properties of ordered alloys, 4—12/68, 24:10049 (ORO-3908-1)
  Prog. rpt. on study of structure and mechanical properties of ordered alloys, 1—12/15/70, 25:16516 (ORO-3908-2)
  Structure factors of superlattices, 23:22571
LEFEVRE, Bruce Gordon Ordering and the K-state in Ni—Mo alloys, 22:13034
LEFEVRE, C. Incinerator for recovery of Pu from burnable wastes, 25:21371
  Mechanism of reactions ^{6}Li(α,d)^{8}Be and ^{6}Li(α,p)^{9}Be, 25:17743
LEFEVRE, G. Description of a gas target for study of nuclear reactions, 21:33837
  Design of charge preamplifier, 24:29598
  Study of the effect of dead time on measurements with a multichannel analyzer, 21:17930
LEFEVRE, G. Jr. Eccentricity of vermilion deficiencies in D. melanogaster, 24:31919
  Recombination adjacent to deletions in Drosophila melanogaster, 22:31038
  Sterility, chromosome breakage, x-ray-induced mutation rates and detected mutation frequencies in Drosophila melanogaster, 21:18029
LEFEVRE, H. W. Computer—analyzer interfacing, 24:33964
  Delayed coincidence line shapes from a scintillation detector with wide dynamic range, 21:10628
  Differential excitation curves from thick target neutron spectra, 24:30881
  Ground state reaction ^{41}K(p,n)^{41}Ca from threshold to 1970, 24:10940 (ANU-P-463)
  Hysteresis free ranging of Van de Graaff beam energy, 24:13247
  Reaction Q values from epi-threshold neutron spectra, 24:38147 (RLO-1925-40)
  Reaction Q values from near-threshold neutron spectra, 25:3608
  Thick-target ^{16}O(d,n)^{17}F yield curves, 25:3586
  Zero degree neutron yield from ^{7}Li(p,n)^{7}Be reaction near 2.2 MeV, 23:32898 (ANU-P-449)
  Zero degree neutron yield from ^{7}Li(p,n)^{7}Be, 24:13291
LEFEVRE, Harlan W. Hysteresis free ranging of Van de Graaff beam energy, 23:49229 (ANU-P-465)
LEFEVRE, Harland W. Time sampling circuit for an oscilloscope, 22:49158
LEFEVRE, J. Analyses applied to ^{137}Cs separation process, 21:35842 (EUR-3480.f(Vol.2))
  Analysis of fission-product solutions, 21:40767 (EUR-3480.f(Vol.1))
  Chemical separation of fission products, 23:11597 (CEA-CONF-1092)
  Computer analysis of small-angle scattering and application to proton-nuclei scattering at 3 GeV/c, 22:20690
  Experimental study of the dust of Fe, C, SiC, and silica, 24:23712
  Prog. rpt. on ^{90}Sr decontamination of concentrated fission product solutions, annual, 1961—62, 21:17702 (EUR-2581.f)
  Recovering ^{90}Sr by liquid—liquid extraction, 21:30497 (EUR-3475.f)
  Recovery of ^{137}Cs by phosphotungstate precipitation, 21:32224 (EUR-3473.f)
  Recovery of ^{137}Cs from U—Mo alloy fission product solutions, 21:28048 (EUR-3451.f)
  Recovery of ^{137}Cs using a mineral ion exchanger, 23:7594 (EUR-4075)
  Recovery of some fission products, 23:47604
  Study of grains of iron and carbon, 21:43718
LEFEVRE, Jean Method of preparation of ammonium phosphotungstate and product obtained, 22:27733
  Thin layers by electrolytic deposition, 24:39693
LEFEVRE, M. Lung clearance: silicosis and anthracosis, 24:541 (CEA-CONF-1314)
LEFEVRE, P. High intensity phenomena observed in CPS, 25:50545
LEFEVRE, Paul H. Kinetic isotope effects and CD_3 vs. CH_3 migration, 24:9334
LEFEVRE, Paul Henry Deuterium isotope effects in migrating methyl groups, 22:35815
LEFEVRE, Roger Connections between detectors and their electronic instruments, 24:22983 (CEA-N-1281)
LEFF, E. G. Effects of nuclear methods approximations on LMFBR analysis, 25:25965 (GEAP-13551)
  The FREADM-1 code: a fast reactor excursion and accident dynamics model, 25:10241 (GEAP-13608)
  Users manual for DOT2DB: two-dimensional multigroup discrete ordinates transport/diffusion code, 24:22054 (GEAP-13537)
LEFF, Harvey S. Symmetrization postulate of quantum mechanics, 22:5479
LEFFEK, K. T. Deuterium isotope effect on the racemization of a highly hindered biphenyl derivative, 21:71
  Deuterium isotope effect on the ultraviolet spectrum of biphenyl, 22:84
  Secondary kinetic isotope effects in bimolecular nucleophilic substitutions. III, 23:26255
  Secondary kinetic isotope effects in bimolecular nucleophilic substitutions. IV, 25:26217
  Studies on decomposition of tetraalkylammonium salts in solution. IV, 25:20981
LEFFEL, C. S. Jr. Analysis of ions extracted from a plasma puff in magnetic guide fields, 25:1191 (AD-707346)
LEFFEL, Claude S. Jr. Adiabaticity of charged-particle trajectories in a cusped magnetic field, 23:30559
  Analysis of ions extracted from a plasma puff in magnetic guide fields, 24:40073
LEFFERS, T. Computer simulation of the plastic deformation in face-centred cubic polycrystals and the rolling texture derived, 23:3048 (RISO-184)
  Irradiation damage in Al single crystals produced by 50-keV Al and Cu ions, 22:26486
LEFFERT, C. B. Electron density in mixed gas plasmas generated by fission fragments, 23:25298
LEFFERT, Charles B. Prog. rpt. on direct conversion of nuclear fission energy to electrical energy in plasma diode, 11/66—10/67, 23:1230 (AD-670469)
  Thermionic energy converter and nuclear reactor containing same, 23:40495
LEFIELL, C. K. [Fabrication of] tubular metal parts, 23:27032
LEFIEVRE, B. Model for eta production and S_{11}-wave, 24:20160
LEFIK, V. Decays in broken SU(6)/sub W/ symmetry, 25:20047
  Decays in broken SU(6)/sub W/ symmetry, 25:20048
LEFIK, W. Spin—parity of X^0 (960) meson, 24:33012
  Spin-parity of the X^0 (960) meson, 24:24314
LEFILLATRE, G. Coating liquid radioactive concentrates and storage of bitumen blocks, 25:21121
  Production of solid products containing radioactive waste, 21:32357
  Prospects of bitumen as coating material for radioactive waste, 21:10576 (CONF-660208-, pp 375-86)
  Recommendations concerning lixiviation tests in water of radioactive solid waste following a classical method of conditioning, 24:16618 (CEA-CONF-1400)
LEFILLATRE, Guy Decontamination by fractional distillation of radioactive mixture of perchlorethylene, bitumen, and sludges from chemical coprecipitations, 23:33246 (CEA-R-3778)
  Installation of a bitumen coating plant for high-activity concentrates, 23:31448 (CEA-R-3734)
  Irradiation tests on bitumen and bitumen coated materials, 23:32072 (CEA-R-3730)
  Pilot plant for bitumen coating of high-level concentrates, 23:43505 (ORNL-tr-2183)
  Prog. rpt. on coating of evaporation concentrates with bitumen, 23:17727 (CEA-R-3632)
  Solidification of radioactive wastes with bitumen, 24:46456 (CEA-R-3982)
  Study of radioactivity diffusion for bitumen-coated blocks produced by an industrial coating plant, 23:33365 (CEA-R-3743)
  Underwater cutting of high-activity radioactive waste, 23:16008 (CEA-R-3629)
  Use of a thin-film evaporator for bitumen coating of radioactive concentrates, 23:50090 (CEA-R-3742)
  Various decontamination processes for evaporation concentrates, 23:338 (CEA-R-3554)
LEFKOVITCH, L. P. Uptake, transfer, and loss of ^{32}P during metamorphosis, mating, and oviposition in A. vexans, 21:26363
LE FLEM, J. Three cross sections in system $CaO—Nd_2O_3—Al_2O_3$, 25:42995
LE FLOCH, A. C. Determination of the radial velocity of relativistic star, 24:35138
LE FLOCH, Andre Variation of critical shear stress from various methods of slippage in monocrystals of α U deformed by compression as a function of temperature (between 20 and 650°C), 23:6689
LE FLOCH, O. Cerebral scintigraphy, 23:50716
LEFOHN, Allen S. Chemical effects of neutron capture in cis- and trans-dichlorobis(ethylenediamine)-chromium(III) nitrate, 21:38988
LE FOLL, Jean Improvements in and relating to nuclear reactors and to fuel element constructions therefor, 21:15805
  Increasing heat transfer rate between flowing medium and reactor, 21:8000
LEFORT, G. ATTILA: a hot cell facility for reprocessing studies on irradiated fuels, 22:4418
  Evolution in the conception and development of research cells for radiochemistry, 24:22920 (CEA-CONF-1411)
  Packaging for transport of radioactive materials, 22:291
  PADIRAC system of shielded and contained casks for solid wastes or highly active equipment, 24:5856
  Processing of irradiated fuels based on slightly enriched uranium oxide, 22:47222
LEFORT, Guy Flask for conveying radioactive products, 23:24417
  Improvements in or relating to sealable ports, 21:22083
  Improvements in sealed door systems for insertion between two enclosures, 21:10521
  Investigation and testing of extraction procedure used in Japanese plant, 22:35892
  Reprocessing of slightly enriched uranium oxides: French contribution to Japanese project, 23:49881 (CEA-CONF-1358)
  Transit flask for radioactive objects, 22:19088
LEFORT, Henry G. Adhesive strength of porcelain enamels to steel, 21:16650
LEFORT, M. Alpha emission from light polonium isotopes, 22:30032
  Application of statistical theory to de-excitation of Xe compound nuclei with high angular momentum, 22:44702
  Behavior of the cross sections for polonium production in nuclear reactions of ^{40}Ar with ^{164}Dy, 25:34129
  Cross sections for heavy ion nuclear reactions, 25:31356
  Delayed neutron emitters production in beam of Orsay synchrocyclotron, 22:29912
  Deuterons, tritons, and He ions from direct interaction events of 156-MeV protons with medium and heavy nuclei, 21:31801
  Direct interaction deuterons, tritons, and helium ions ejected by 156 MeV protons from medium and heavy nuclei, 22:7703 (ORNL-tr-1831)
  Direct-interaction protons emitted from Ag and Au targets bombarded with 91- and 156-MeV protons, 21:15596
  Evidence for two mechanisms in single transfer reactions on heavy targets, 24:49799
  Fission of bismuth and U induced by high-energy protons (156 MeV), 23:49404
  Identification of 130-MeV particles according to $\Delta E/\Delta x = f(E)$ curves, 21:45353 (LYCEN-6738, pp 34-9)
  Identification of ions of Z less than or equal to 8 by association of two semiconductor detectors, 23:47755
  Measurement of the prompt neutrons emitted in the fission of ^{209}Bi and ^{238}U induced by 155-MeV protons, 25:15021
  Mechanism of nuclear reactions induced by high-energy α particles. I, 24:5427
  Mechanism of single-nucleon and multi-nucleon transfer reactions in grazing collisions of heavy ions on silver, 25:12606
  Nuclear chemistry, 23:21738
  Reactions (p,xp) and (p,xpyα) of 156-MeV protons with light targets (A = 11 to 27), 22:29918
  Reactions between protons and complex heavy nuclei at 30 to 155 MeV, 21:29978
  Search and identification of nuclei in the mass region 280 to 310, 24:49887
  Single and multitransfer reactions induced by 86-MeV ^{12}C ions on silver nuclei, 24:6939
  State of heavy-ion accelerator project: ALICE, 24:49650
LEFORT, Marc Chemical action of radiations. Indirect effect on biological systems, 21:45530
  Fission characteristics of transuranium elements, 24:52647 (NP-18407)
  High energy γ radiation of ^{132}I using a pair spectrometer, 21:21535
  Influence of energy on de-excitation processes for medium and heavy nuclei, 23:5938
  Nuclear reactions induced by heavy ions, 22:50639
  Reactions (p,αxn) and (p,pαxn) on Bi at medium energies, 21:4298
  Scientific program for the CEVIL at Orsay, 21:11896
  Search for new isotopes and new superheavy elements produced by heavy-ion reactions, 25:17928
  Search for superheavy elements on accelerator ALICE, 25:28315 (CERN-70-30(Vol.2), pp 723-33)
LEFORT, P. Bending of perforated plates with square penetration patterns, 24:36902
LEFRANCOIS, A. Design of a hydraulic expansion system for a heavy liquid bubble chamber, 23:47838
LEFRANCOIS, B. French process for making heavy water, 22:47218
  Heavy water plant of Mazingarbe, 22:35894
  Heavy water-research on production processes: plants based on the French process, 25:51702 (A/CONF.49/P-607)
  Process for carrying out isotope exchanges, 25:23700
LEFRANCOIS, Bernard Heavy water plant at Mazingarbe, 22:27697
  Isotope exchange between a deuterated gas and ammonia, 24:9444
  Isotope exchange process, 23:26337
LEFRANCOIS, C. Calculation of losses in superconducting coils supplied by pulsed current, 25:5459 (NP-18516)
LEFRANCOIS, J. Cherenkov counter with fluorescent materials, 23:47819
  Coherent photoproduction of π^0 on He, 24:12924
  Measurement of the radiative decay modes of phi^0 meson phi^0 $\rightarrow$ eta$^0\gamma$, phi^0 $\rightarrow$ $\pi^0\gamma$ with the Orsay storage ring, 25:1411 (LAL-1240)
  Photodisintegration of deuteron from 140 to 400 MeV, 22:24520
  Photoproduction of eta meson between threshold and 900 MeV, 23:23333
  Pi^0 photoproduction on proton at backward angles between 700 and 1150 MeV, 23:23420
  Use of light shifting substances in Cherenkov radiators application to a K^+ counter, 23:21968
LE FRANCOIS, Jacques Furnace for the production of radioactive iodine, 21:12480
  Mechanical gap transfer pump, 21:26138
  Neutron-absorbing material, 24:10217
  System for interconnecting two hermeticenclosures disposed opposite one another, 22:51211
LEFRANT, Serge Action of x rays on alkali-metal ion-doped strontium chloride, 25:33428
LE FRERE, J.-P. Experimental studies on the power transfer between a sodium jet and a sliding-field armature, 22:9132
LE FRERE, Jean Improvements to liquid metals electromagnetic pumps, 25:32103
LE FRERE, Jean Paul Coupled-inductance level indicator for liquid metals, 22:23391
LE FRERE, Jean-Paul An electromagnetic pump, 25:37526
LEFTEROV, D. Cobalt-57 Moessbauer source in Pd, 22:48164
  Decay of ^{103}Ru, 23:21336
  Gamma transitions in ^{165}Dy beta decay, 22:35329
LEFTIN, M. Numerical maps of f_oE_s for solar cycle minimum and maximum, 23:20770
LE FUR, R. Prevention of digestive radiolesions, 24:2815
  Telecobalt therapy for carcinoma of laryngopharynx, 25:18998
LEFVERT, T. Multiple scattering and collision probability method for neutron transport problems, 25:12347
LEGA, J. Elastic scattering of 23 MeV alpha particles on ^{40}Ca, 23:49370
  Elastic scattering of 23-MeV alpha particles by ^{40}Ca, 25:20310
LEGACY, D. J. Mechanical and physical properties of cast very-high-assay U, 22:15188 (Y-1593)
LEGAKIS, Nicholas J. Effect of ionizing irradiation on oxidation of palmitate-1-^{14}C by thymus and liver, 23:6394
  Effect of ionizing irradiation on the lipid biosynthesis by thymus and liver, 22:51473
LEGALLAIS, Frances Y. Growth of uv-damaged herpesvirus, 24:8028
LE GALLIC, Y. Absolute direct measurement of activity of pure β emitters by liquid scintillation, 24:46494
  Accuracy of calibrated radioactive solutions, 21:5985
  Exact determination of the half-lives of various radionuclides, 21:15603
  Micro-weighing in activity measurements, 21:5824
  Periods of some radionuclides, 24:10974
  Use of an electronic digital computer in a metrology laboratory, 21:14376

LE GALLIC, Yves Accurate determination of some radioactive half-lives, 22:29990
  Measurement of 4π β—γ coincidences, 25:15914 (CEA-R-4131)
  Measurement of the specific constant of gamma radiation from ^{125}I, 24:26650
  Microweighing as an important source of error in activity measurements, 25:23907 (CEA-R-4169)
  Validity of radioactive standards, 23:38174 (CEA-CONF-1238)
  Validity of radioactive standards, 24:33844 (CEA-R-3975)
LEGAN, Marianne Argonne Code Center: bibliographies of computer program literature, 24:52989 (ANL-7684)
  Argonne Code Center: compilation of program abstracts, 22:35660 (ANL-7411)
  Argonne Code Center: compilation of program abstracts, 23:15737 (ANL-7411(Suppl.1))
  Argonne code center: compilation of program abstracts, 23:34944 (ANL-7411(Suppl.2))
  Argonne code center: compilation of program abstracts, 24:38632 (ANL-7411(Suppl.4))
  Argonne code center: compilation of program abstracts, 25:37133 (ANL-7411(Suppl.5))
  Argonne Code Center: directory of cooperating installations, 23:15754 (ANL-7497)
  Argonne code center: compilation of program abstracts, 24:18756 (ANL-7411(Suppl.3))
LEGAN, R. W. Cost analysis of improved regulation of the Columbia River to increase minimum flow in the Hanford plant vicinity, 24:47929 (BNWL-1343)
LEGAR, F. Checking of the picture processing from spark chambers, 22:45334 (JINR-P10-3910)
  Corrections for the geometric distortions in spark chamber pictures, 21:6248
  Elastic scattering of 660 MeV protons on LMN crystals, 22:24532 (JINR-E1-3708)
  Measurement of the triple scattering parameter R/sub pn/ at 70° cms and the phase shift analysis at 630 MeV, 21:17037
  N—N scattering phase-shift analysis at energies near 20 MeV, 22:42098 (JINR-E1-3899)
  Phase-shift analysis and planning of experiments at 18.2 and 9.7 MeV, 21:3978 (JINR-E1-2969)
  Planning of np-scattering experiments above the meson production threshold, 21:25231
  Refinement of phase analysis of NN-scattering at energy 147 MeV, 21:40242
  Semi-automatic device for scanning and measuring pictures taken in spark chambers, 21:6246
  Simultaneous phase shift analysis of 210 MeV nucleon—nucleon scattering, 21:35316 (JINR-E2-3345)
  Specification of the N-N phase shift analysis at 23.1 MeV, 21:3977 (JINR-E1-2952)
  Specification of the N-N phase shift analysis at 147 MeV, 21:4058 (JINR-E1-2953)
  Spin correlation tensor in the scattering of polarized nucleons by polarized proton target, 21:17139
  Unambiguous phase shift analysis of nucleon—nucleon scattering, 22:20271 (JINR-E1-3707)
  Unambiguous phase-shift analysis of the nucleon—nucleon-scattering at 23.1 MeV, 21:2481
LEGARDEUR, R. Technical report of the information mission made in USSR on interactions between oscillating fields and plasmas, 22:1130
LEGARDEUR, Rene Apparatus for plasma production, 24:10556
  High-field microwave generating arrangement, 21:43314
LEGARE, J. M. Effects of radiocontamination of environment on mother and fetus. II, 23:22199
LEGARE, J.-M. Isodoses for telecobalt therapy in crown, 22:4622
  Kinetic studies on placental transfer of radionuclides, 23:24535
LEGARE, Jean-Marc Central-axis depth-dose data for phantoms, 23:50485
  Transplacental passage of activation and fission products, 24:567
LE GARGASSON, Georges Fuel element for nuclear reactors, 21:8171
LEGATOR, M. S. Induction of petite mutants in S. cerevisiae, 24:21114
LEGATOWICZ, Aleksander Penetration of electromagnetic wave into the plasma of exponential density distribution, 25:56230 (INR-1321)
LEGAY, G. Late development of pulmonary lesions in the rat after general irradiation, 24:34714
LEGCHAEV, V. Ya. Effect of rosmaricine on mice with acute radiation sickness, 21:45700
LEGEAY, G. Dosimetry of irradiation by high-energy protons by measuring ^{7}Be, 23:14053
  Effect of irradiation dose on the latent period of rabbit cataracts, 23:22392 (CEA-CONF-1173)
  Effective half-life of beryllium-7, 24:44403 (CONF-691101-, pp 159-65)
  Effective period of ^{7}Be in view of biological dosimetry of protons of high energy, 24:25479 (CEA-CONF-1445)
  Influence of irradiation dose on latency time of cataracts in rabbits, 25:27027
  Irradiation dose and latency time associated with cataracts in rabbits, 25:21862
  Late lesions of lungs of rats following whole-body irradiation, 24:50718
  Late lesions of lungs of rats following whole-body irradiation. II, 24:50719
  RBE of 3-GeV proton beams in producing cataracts in rabbits, 25:49283 (CEA-CONF-1782)
  Relative biological effectiveness as a function of linear energy transfer for cataract criterion in the rabbit, 25:55317 (CEA-CONF-1744)
  Relative biological effectiveness of 3-GeV protons on rat, 23:45919
  Relative biological effectiveness of 14-MeV neutrons, 24:25559 (CEA-CONF-1481)
  Relative biological effectiveness of 3 GeV proton beams in gonad of male rat, 25:46966 (CEA-CONF-1781)
  Relative biological efficiency of 3-GeV protons, 23:29733 (CEA-CONF-1089)
  Variations in the radiological response in mammals, 24:14601
LEGEAY, Gerard Effect of high-energy electrons on skin and underlying tissues of rabbit, 22:38419 (CEA-R-3294)
  Influence of biological and ecological factors on the radio-sensitivity of laboratory animals, 23:902 (CEA-R-3409)
  Radiosensitivity of SWISS—RAP mouse as function of its growth rate, 23:31904 (CEA-R-3797)
  Relative biological efficiency of 592 MeV protons, 23:903 (CEA-R-3447)
LEGEAY, Rosemary Spleen scans with /sup 99m/Tc-labeled heated erythrocytes, 22:40748
LEGENCHENKO, I. A. Kinetics and mechanism of desorption process of Nd and Er with cation exchanger KY-2, 22:33498
  Singularities of sorption kinetics of La, Nd, Zr, and Hf on cation exchange resin KU-1, 22:33490
LEGENDZIEWICZ, J. Influence of ligand fields on the energy levels of lanthanides and of U(IV), 21:38956
  Structure of uranium compounds, 22:4132
LEGEN'KA, A. D. Dependence of loss coefficient in F2 region on geomagnetic disturbance, 24:39961
  Distribution of electron concentration in the outer part of the F$_2$-region, 24:21656
  Loss coefficients and rates of ion—molecule reactions in nighttime F region of the ionosphere, 23:10563
  Variations of electron density in topside ionosphere at middle latitudes, 25:55993
  Vertical distribution of the storm effect in the topside of the ionosphere, 25:16924
LEGEON, Emile Use of nuclear reactions to determine the quantity of impurities in semiconductors, 24:33649 (CEA-CONF-1520)
LEGER, A. Experimental evidence for superconductivity enhancement mechanism, 23:27531
  Field emission from a superconductor, 22:52684
  Field emission from a superconductor, 23:16745 (SLAC-Trans-90)
  Multigap effect on phonon structure in tunneling experiments, 25:30426
LEGER, C. A high-sensitivity spectrometer for measuring low-energy x-rays, 22:6621
  Radioactivity induced by cosmic rays in the Granes meteorite, 22:47743
LEGER, Concele Measurement of the abundance of ^{41}Ca in the Granes meteorite, 21:20690
LEGER, D. Tritium extraction from heavy water in nuclear reactors, 24:43743
LEGER, H. Hematologic and radio-isotopic study of primary hemosiderosis, 24:48596
LEGER, J. E. Chemical part of the nuclear fuel cycle, 23:40835
  Processing of U ores in France, 21:158
LEGER, L. J. Dipole effects on hydrogen atom transfer in ion-molecule reactions, 23:47557
  Ion-polar-molecule reactions: energy dependency of hydrogen atom and ion transfer in the methanol—acetaldehyde system, 24:36221
  Simple mass spectrum linearizer, 23:41168
LEGER, Pierre Description of methods for making activation detectors for use in nuclear reactors, 23:610 (CEA-R-3532)
LEGER-BARTER, G. St. Tory II-C instrumentation, 22:42343 (UCRL-7036(Pt.6))
LEGEWIE, G. Feasibility of gas cooling for the fusion reactor blanket, 25:30589 (EUR-4593, pp 491-6)
  Thermodynamic feasibility of helium cooling of fusion reactors, 25:40683 (JUL-743-RG)
LEGG, A. J. Behavior of topside ionosphere during storm conditions, 22:9194
  Diurnal variations of the electron concentration in the topside ionosphere at low and middle latitudes, 22:9200
  Observations of spread ionization in the topside of the ionosphere, 22:9196
  Observations of the topside ionosphere during three solar eclipses, 22:9195
  Reception of ground-based Loran transmissions by fixed-frequency topside sounder satellite, 22:9197
  Trans-Pacific interferometer measurements at 2.300 MHz, 23:30247
  Variations of small quasar components at 2,300 MHz, 24:10249
LEGG, J. C. Bremsstrahlung method for locating electrical breakdown in a Van de Graaff accelerator tube, 25:50575
  Charged particle mass identification, 21:28230
  Elastic scattering of deuterons by deuterium, 23:19150
  Elastic scattering of protons by deuterium, 23:32895
  Gamma decay of analog resonances in the ^{46}Ti(p,γ)^{47}V reaction, 24:13338
  Possible spin dependence in proton inelastic scattering, 23:28279
  Reactions (^{3}He,d) and (^{3}He,t) on ^{9}Be and ^{11}B, 21:15494
  Spin dependence in inelastic deuteron scattering, 24:43254
  Spin dependence in inelastic scattering, 25:12454
  Three-body reactions resulting from ^{6}Li + d, 22:53109
LEGG, J. R. Anomalous electron scattering from ^{143}Nd, 24:5425
  Anomalous electron scattering from ^{142} ^{144} ^{150}Nd, 25:36758
LEGG, M. P. C. Angular velocity distribution in rotating massive stars, 22:7075
  Circularly polarized synchrotron radiation in dipolar magnetic fields, 24:19708
  Elliptic polarization of synchrotron radiation, 23:5092
  Elliptic polarization of synchrotron radiation, 24:1167
  Radio frequency spectrum of Jupiter, 24:51382
LEGG, T. H. Diameters of some quasars at a wavelength of 66.9 cm, 22:5019
  High-resolution 2800-MHz multi-element interferometer, 22:885
  Long-baseline interferometer measurements of CP 0329, 24:17504
  Long-baseline interferometer observations at 408 and 448 MHz. I, 24:10259
  Long-baseline interferometer observations at 408 and 448 MHz. II, 24:15076
  Observations of intense radio sources with a 1'.5 fan beam, 23:18338
  Observations of quasars using interferometer baselines up to 3,074 km, 21:33097
  Redshift and the size of double radio sources, 24:27961
LEGGATE, Peter Fluorescence and scintillation properties of new oxazoles, oxadiazoles, and pyrazolines, 23:2599
LEGGE, C. A. Simple cryostat for thermoluminescence measurements, 25:30444
LEGGE, G. J. F. ^{15}N(p,p')^{15}N* studies in the ^{16}O E1 giant resonance region, 24:43135
  Double scatter neutron spectrometer, 22:38077
  Intermediate structure in ^{39}K + p $\rightarrow$ ^{40}Ca studies, 24:43300
  Simple continuum states of ^{41}Sc, 24:43302
  Study of decay (p,γ_0) of isospin analogue resonances from 13 to 16 MeV in ^{89}Y, 22:7675
LEGGE, I. K. Irradiation accidents in the United Kingdom, 23:830
LEGGE, J. C. Low-lying T = 3/2 states in ^{21}Na, 24:24533
LEGGE, P. Ultrasonic machine tool for glass and ceramics, 21:36197 (AERE-M-1720)
LEGGE, Percy Improvements in or relating to ultrasonic machining apparatus, 23:16023
LEGGEAT, A. Defect centres in KMgF$_3$ produced by x-irradiation at room temperature, 24:8534
  Structure of some trapped hold centers in CaF$_2$. II, 25:9546
LEGGETT, A. J. Can a solid be superfluid, 25:7321
  Electron—phonon interactions in the transition metals, 21:13480
  Fermi-liquid effects in the superfluid phase, 21:18584
  Mass and spin diffusion near lambda line in dilute ^{3}He—^{4}He mixtures, 25:58926
  Number—phase fluctuations in two-band superconductors, 21:13479
  Persistence of zero sound in the possible superfluid phase of ^{3}He, 21:2168
  Spin echoes in liquid ^{3}He and mixtures: a predicted new effect, 22:19905
LEGGETT, Monica R. Hydrogen adsorption on (100) W surface using simple HEED system, 25:29846
LEGGETT, R. D. Achieving high exposure in metallic uranium fuel elements, 24:47861
  Basic swelling studies, 21:13205 (BNWL-SA-154)
  Basic swelling studies, 22:13077 (BNWL-473, pp 6.1-20)
  Burst strength of EBR-II irradiated fuel pin sections, 24:46816
  Burst tests of EBR-II irradiated fuel pin sections, 25:5950
  Comparison of measured and predicted diameter increase of two stainless-steel-clad mixed-oxide fuel pins in a fast reactor, 25:32849
  Comparison of measured and predicted diameter increase of two stainless steel clad mixed oxide fuel pins in a fast reactor, 25:40133 (WHAN-SA-74)
  Controlled temperature—pressure irradiation capsules, 22:4316
  Controlled temperature—pressure irradiation capsules, 22:6136 (BNWL-SA-1377)
  Controlled temperature-pressure irradiation capsules, 21:20535 (CONF-660511-, pp 3.4.1-19)
  Correlation of predictions and observations in mixed-oxide fuel, 25:6001
  Dissolution of UC particles in U, 23:30193
  Fission gas bubble precipitation and growth in PuO$_2$—UO$_2$ under irradiation, 25:11536
  Fission gas bubble precipitation and growth in PuO$_2$—UO$_2$ under irradiation, 25:19290 (WHAN-SA-15)
  Fission gas induced swelling in uranium, 23:22616
  High-temperature dissolution of UC precipitates in irradiated U, 23:3161
  Hybrid computer simulation of fuel pin performance, 24:7367
  Interim burst test results on EBR-II irradiated fuel pin sections, 24:30048 (BNWL-1323)
  Irradiation of metallic—uranium hollow-core fuel elements to 1 at. percent burnup, 22:33001
  Metallographic observations of swelling in U$_3$Si, 24:14961 (BNWL-1195)
  Performance of stainless-steel-clad, mixed-oxide fuel pins, 24:7178
  Postirradiation examination of centrifugally bonded EBR-II driver fuel, 24:7189
  Response of an EBR-II-irradiated, mixed-oxide fuel pin to an overpower transient in TREAT, 25:32851
  Response of EBR-II irradiated, mixed oxide fuel pin to an overpower transient in TREAT, 25:40131 (HEDL-SA-84)
  Reversibility of fission gas swelling in uranium, 23:36102
  Spatial distribution of intergranular porosity in an EBR-II-irradiated mixed-oxide fuel element, 25:32804
  Spatial distribution of intergranular porosity in EBR-II irradiated mixed oxide fuel element, 25:40134 (WHAN-SA-66)
  Status of thorium fuel technology, 22:53456 (BNWL-861)
  X-ray diffraction studies of irradiated U$_3$Si, 23:22706
LEGGETT, Robert D. Plutonium fuels for LMFBR: an extrapolation, 25:15367 (WHAN-SA-51)
LEGGETT, Ronald L. Fabrication of oxide nuclear fuel pellets, 23:27146 (RFP-1255)
  Improved resistance furnaces for molten salt extraction process, 24:46394 (RFP-1513)
LEGGETT, W. J. Personnel dosimetry of ionizing radiations, 25:21716

LEGGETT III, W. D. Comparison of predicted and measured nuclear design parameters at beginning of life of cycle 1 in the San Onofre Reactor, 23:15559 (WCAP-3269-66)
Core management and fuel-cycle costs, 24:18528
Flux wire and Aero-Ball accuracy for in-core power monitoring, 21:6253
Nuclear fuel cycle and core management, 24:38389 (CONF-700317, Paper 19)
LEGIN, E. K. Diffusion of ions and water structure, 21:8252
Solubility of Rn in D_2O and structure of aqueous solutions of noble gases, 25:20977
Studies of mutual solubility in the $UO_2(NO_3)_2$—$(C_2H_5)_2O$—D_2O system at the separation region at 25 deg C, 21:8251
LEGIN, V. K. Radioactivity of oceanic suspensions. II, 22:10405
Radioactivity of oceanic suspensions. III, 22:10406
LEGIN, V. R. Natural radioactivity of the waters and sediments in the Black Sea and the Sea of Azov, 21:8474 (AEC-tr-6641, pp 10-13)
LEGITTIMO, Paola Ruthenium—2,2',2-terpyridine system, 25:23511
LE GLAS, J. M. Transient behaviors in a nuclear power plant, 24:31064
LEGLER, B. M. Feed injection for heated fluidized beds, 21:15989
Fluidized bed calcination of new types of high-level wastes, 21:10573 (CONF-660208-, pp 235-46)
Fluidized-bed processing in the nuclear fuel cycle, 25:46552
Process heating via combustion, 22:37853
Radiative and convective heat transfer within vertical annular spaces open at the ends, 22:10483 (IN-1110)
LEGLER, D. Decontamination of Rheinsberg primary coolant circuit, 24:16086
LEGLER, E. Rotating crystal spectrometers with and without an auxiliary device for suppression of unwanted reflexions, 21:26177
LEGLER, W. Influence of the relaxation of the electron energy distribution on the statistics of electron avalanches, 22:7318
LEGNAIOLI, M. Urography and radionephrography in evaluation of urological complications, 24:29808
LE GO, A. Quantitative kinetic study of erythrocyte populations, 25:16304 (CEA-CONF-1591)
LEGO, J. Spectroscopical measurements of the electron and atom temperatures in nonequilibrium plasma, 23:42242
LEGO, Jindrich Heat balance of an induction MHD generator with continuous throughflow, 22:15392
MHD generators with radial component of magnetic field, 24:21627
Possibilities of self-excitation of MHD induction generator with radial magnetic field at a continuous plasma throughflow, 22:34334
LE GO, P. Experimental study of emission of fission products due to cladding failures produced during rapid loss of gaseous coolant, 25:31608
LE GO, R. Clinical observations and treatment in case of accidental total irradiation, 23:14230
Comparative study on whole-body exposure injuries, 25:19012 (CEA-CONF-1695)
Dose concept for irradiated persons, 23:43771
Formation of dicentric chromosomes in human lymphocytes subjected in vitro to flux of mixed radiation (γ, neutron), 25:32591 (CEA-CONF-1723)
Quantitative kinetic study of erythrocyte populations, 25:16304 (CEA-CONF-1591)
Radiological accidents rules, 25:18975 (CEA-N-1365)
Radiological accidents: action to be taken in case of external irradiation or accidental radioactive contamination, 24:50870
Use of chromosomal analysis as a biological dosimeter, 24:46609 (LIB/Trans-277)
Utilization of chromosome analyses in biological dosimetry, 23:12055
LE GO, Roland Behavior of normal and irradiated bone marrow, 25:2595
Biological dosimetry of an ultraviolet radiation source using Saccharomyces cerivisiae, 25:18981 (CEA-N-1380)
Hematological and chromosomic aspects of dosimetry in irradiated man, 25:18980 (CEA-CONF-1698)
Notion of "dose" with the irradiated man, 23:6474
Quantitative aspects of hematological effects of ionizing radiation, 22:31248
LE GOFF, P. Kinetics and mechanism of low-pressure, high-temperature oxidation of W silicides. III, 25:29869
Kinetics and mechanism of low-pressure, high-temperature oxidation of Si. II, 25:29968
Kinetics and mechanisms involved in the siliconization of Nb and the oxidation of niobium silicides at low pressures and high temperatures, 25:19258
Low-pressure, high-temperature siliconizing of W. I, 25:29814
Measurement of local enthalpy in an HF plasma, 25:14263
Study of the works of carburization and decarburization of tungsten ribbons by the measure of their conductivity, 22:2636
Velocities of particles of a refractory material injected into an arc plasma jet, 25:28859 (LA-tr-71-27)
LE GOFF, Pierre Measurement of the coefficient of diffusion of carbon in rhenium, 23:1001
Study of chemical gas—solid interactions by molecular beam technique. III, 24:46716
Study of chemical gas—solid interactions by molecular beam technique. II, 24:46717
LE GONIDEC, B. Experimental studies on sodium boiling, 22:51169
LEGOUX, Y. Volatilization of chlorides of cis- and transuranium elements in a tube with a temperature gradient, 24:25059
Volatilization of Pa pentachloride and separation of Th—Pa, 21:8419
LEGOUX, Yvette Preparation of ^{234}Pa(UZ) and /sup 234m/Pa(UX2) sources with high specific activity, 21:23934
LEGRAND, Andre-Pierre Separation of two ESR lines by phase variation of synchronous detector, 25:40827
LEGRAND, Charles Determination of α UO_3, 24:11533
Use of an electronic microprobe for study of ion implantation, 24:47303
LEGRAND, E. Leukemogenesis with a cytogenetic marker, 25:46980
Neutron diffraction in study of matter, 23:14922
Presence of an additional metacentric chromosome in AKR/TIALD leukaemic cells, 24:31947
LEGRAND, Elisabeth Cytogenetic study of lymphoid leukemogenesis, 24:19353
LEGRAND, J. Analysis and control of radioactive standards by using beta and gamma spectrometry, 21:5822
Analysis of radioactive standards by beta spectrometry with semiconductor detectors, 22:14825
Beta and gamma spectrometry using semiconductor detectors, 21:39206
Determination of the energies of some gamma transitions, 22:7674
Exact determination of the half-lives of various radionuclides, 21:15603
Processing of data from γ spectrometer application to study of decay systems, 23:7776 (NP-tr-1713)
Scaling conditions of uranium and a uranium—molybdenum alloy, 23:12317
Several isomeric transitions, 24:35893
LEGRAND, J. P. Auroral-zone x-ray measurements in Finland in summer 1968, 25:24965
Balloon measurements of solar protons in northern Scandinavia on July 7, 1966, 23:22810
Energy variations of auroral electrons according to balloon measurements, 21:7100
Observations of solar protons on Sept. 29—30, 1968 over Iceland, 25:47290
Properties of varying ionospheric absorption events in auroral zone, 22:46010
Report of results of balloon launching in Iceland between Sep. 1 and Oct. 15, 1968. I, 25:24935
Results of balloon launching in Iceland between Sep. 1 and Oct. 15, 1968. II, 25:24984
LE GRAND, Jacques Effects on health of atmospheric discharges of tritiated steam, 24:48462 (CEA-CONF-1560)
LEGRAND, Jean Accurate determination of some radioactive half-lives, 22:29990
Contribution to study of decay scheme of /sup 110m/Ag, 22:9906
Decay scheme of ^{134}Cs, 22:9885
Decay scheme of ^{59}Fe and ^{192}Ir, 25:12464
Decay schemes of ^{59}Fe and ^{192}Ir, 25:10032 (ORNL-tr-2345)
High-performance γ spectrometry using Ge(Li) detectors, 22:38058 (CEA-R-3405)
High-resolution alpha spectrometry using semiconductor detectors, 24:14287 (CEA-R-3925)
Processing of data issued from γ spectrometer, 21:44733 (CEA-R-3285)
LEGRAND, Jeanne Micrographic studies of two weakly charged uranium alloys ruptured at various temperatures, 25:47111 (CEA-R-4140)
LEGRAND, Pierre Improvements in or relating to heat exchangers, in particular for nuclear reactors, 22:39917
Nuclear reactor with built-in heat exchanger, 21:40648
LEGRAND DE MOURA, M. Chelates of uranyl ions with complexing agents, 23:19738
LEGRAUD, J. Periods of some radionuclides, 24:10974
LEGRE, J. Irradiation of multiform glioblastomas, 24:6087
Radiology and radiotherapy of thymic tumors, 23:33792
LE GRIVES, E. Prospects offered by electric propulsion in the near future, 23:20744
LE GRIVES, Emile Ion sources usable for space propulsion, 24:44165
LEGROS, J. P. Preparation and physicochemical study of uranyl germanate, 25:20972
LEGROS, Jean-Pierre New compound of germanium and uranium, 23:143
LEGRYS, Geoffrey A. Oxygen effect and x-ray sensitivity in synchronously dividing cultures of Chinese hamster cells, 23:16368
LE GUENNEC, R. Remote-control manipulator, 23:17737
LE GUENNEC, Rene Master slave manipulators, 22:8286
Remote-control master-slave manipulator, 21:34377
LEGUEY, A. Use of a simple geometry program for filtering HPD data, 25:13273 (CERN-70-21(Vol.2), pp 679-85)
LE GUILLOU, G. Some information gathered from rapsodie operation, 24:22462
LE GUILLOU, J. C. Autocomposite isomultiplets in field theory, 22:24725
Autocomposite particles, 21:31543
Compositeness and elementarity in theories with crossing, 23:7137
LE GUYADER, J. Interactions $pp \rightarrow pp\pi^+\pi^-$ at 8.1 GeV/c, 22:24535
Multi-Regge analysis of $pp \rightarrow pp\pi^+\pi^-$ reaction at 8.1 GeV/c, 25:1559
LEGVOLD, S. Anomalous thermal expansion and magnetostriction of holmium single crystals, 21:14828
Electrical resistivity and magnetization of Gd—Th and Gd—Mg alloys, 25:27871
Hall effect of Gd, Lu, and Y single crystals, 21:44174
High-field magnetization of thulium single crystals, 24:6656
Rare-earth spin-disorder resistivity and spin—orbit coupling, 25:17324
Resistivity anomalies in gadolinium, 23:27709
Seebeck coefficients of lutetium single crystals, 24:14735
Superconductivity in some compounds of La, Lu, Sc, and Y, 23:46432
Thermal conductivities and Lorenz functions of Dy, Er, and Lu single crystals, 22:48180
Thermal conductivities and Lorenz functions of Gd, Tb, and Ho single crystals, 23:27073
Vibrating sample magnetic image effects in Nb_3Sn solenoid, 24:26125
LEGVOLD, Sam Electrical resistivity and Seebeck effect of Tm single crystals, 22:24403 (CONF-670502-, pp 627-34)
Electrical resistivity of some dilute gold—rare earth alloys, 22:37038
Transport properties of thulium single crystals, 23:10718
LEGYEL, L. L. Numerical simulation of ionization instability, 24:28309
LEH, F. Deuterium isotope effect in octahedral substitutions. III, 22:18789
LEHANE, J. A. Compressional Alfven wave propagation below ion cyclotron frequency, 22:22153
Compressional Alfven wave propagation below ion cyclotron frequency, 22:26380 (NP-17437)
Compressional Alfven wave reflection from a magnetic cliff, 24:42729
Compressional and torsional wave measurements in a decaying hydrogen plasma, 21:37450 (NP-16893)
Hydromagnetic wave propagation in inhomogeneous magnetic fields, 24:47080 (NP-18419)
Hydromagnetic waves in a nonuniform hydrogen plasma, 23:12899
Hydromagnetic-wave propagation in inhomogeneous magnetic fields, 25:19732
Parametric amplification of Alfven waves, 24:45293
Propagation of compressional and torsional Alfven waves under identical plasma conditions, 22:17691
Propagation of compressional and torsional Alfen waves under identical plasma conditions, 22:26379 (NP-17436)
Properties of a laboratory plasma prepared with combined transverse and longitudinal currents, 21:15190
LEHAR, F. Characteristics transient radiation in optic region of frequencies for different elements, 23:44617
Double elastic proton scattering on polarized proton target, 23:18801
Double N—N scattering on polarized proton target, 24:28483
Elastic scattering of 600 MeV protons on LMN crystals, 22:37077
Likelihood handling of scattering data with previous experimental information, 25:22848
Momentum spectra of secondary particles in (π^-,N)-interactions at 7 GeV, 21:42270
Nucleon—nucleon potential for isotopic triplet state, 24:20445
Nucleon—nucleon potential with a soft core in the energy region 0.17 to 310 MeV, 22:20754
Nucleon—nucleon potential with a soft core, 25:7914
Nucleon—nucleon triple scattering parameters for recoil particles, 22:52993
Phase-shift analysis of data on nucleon—nucleon scattering at low energies, 21:37848
Phase-shift analysis of nucleon—nucleon scattering, 23:21406
Phase-shift analysis of p—p and n—p elastic scattering at 735 MeV, 24:3702
Polarization correlation in the scattering of polarized nucleons, 22:11692
Polarized proton targets and low-energy nucleon—nucleon experiments, 22:5501
Problem of unambiguity of phase-shift analysis. I, 23:34618
Problem of unambiguity of phase-shift analysis. II, 23:34617
Simultaneous np and pp phase shift analysis at 18.2 and 9.9 MeV and question of additivity of Coulomb and nuclear phase shift, 22:11691
Simultaneous phase shift analysis of 210 MeV nucleon—nucleon scattering, 22:24681
LEHAR, Frantisek Use of a polarized proton target for the study of low-energy nucleon—nucleon interactions, 21:21137
LE HAZIF, R. Creep for Be monocrystals, 23:38963
Creep of Be single crystals, 24:8122 (AERE-R-5944(Vol.2), pp 531-46)
Creep of beryllium single crystals, 23:33980
LEHENY, R. F. Alkali metal purification by preferential contact ionization in a magnetoplasma device, 22:1260
Effect of neutral impurity levels on the oscillation spectrum of a magnetoplasma, 22:24298
Wave mixing in a bounded magnetoplasma, 23:1477
Wave-excited anomalous diffusion in a fully ionized magnetoplasma, 21:9532
LE HERICY, J. Contribution to study of determination by radioactivation of S and P in very weak concentrations in metals of very high purity (Al, Mg, Cu, Fe, Ni). III, 23:11463
Determination by radioactivation of sulfur and phosphorus at very low concentrations in metals of high purity. I, 22:47083
Determination by radioactivation of sulfur and of phosphorus in very low concentrations in metals of very high purity. II, 23:51
Workhardening and recovery of Mo and W, 21:36846
LEHERISSEY, E. S. Electron-impact excitation of rare gas atoms in the distorted-wave approximation, 25:14015
Excitation of 2s state of atomic H by electron impact, 25:11714
LEHFELDT, W. Electronic possibilities to correct screen indications of an ultrasonic testing equipment, 25:6487
LEHINAN, S. R. Fourier analysis of thermal neutron time-of-flight data. I, 24:5925
Fourier analysis of thermal neutron time-of-flight data. II, 24:9677
LEHKY, F. Influence of x-ray doses on post-vaccination infection, 22:23449
LEHKY, Ludek State of affairs of Czechoslovak uranium, 23:17623

LEHMAN, D. R. Electrodisintegration of ^{3}H and ^{3}He, 24:5272
Quasielastic electron scattering from ^{3}He and ^{3}H, 25:45893
LEHMAN, Donald Richard Electromagnetic breakup of A = 3 nuclei, 25:22970
LEHMAN, Eric Asymptotic behavior of the curvature tensor on an asymptotically flat space—time, 23:16999
LEHMAN, G. W. Mass dependence of angular distribution of charged-particle emission from crystals, 22:48182
Theory of the Tomasch effect, 21:13485
LEHMAN, J.-Y. Process for carrying out isotope exchanges, 25:23700
LEHMAN, Melvin W. Electron-content variations and change rates obtained during Spring and Summer of 1967, 23:44245 (AD-687395)
LEHMAN, R. L. Origin of neutron groups in Be(α,n) sources, 22:22553
Random-drift sampling: study by computer simulation, 23:629
Sampling bias in scanning proton-recoil tracks in nuclear emulsion, 22:16895
LEHMAN, Richard L. Neutron groups in spectrum of PuF$_4$ source, 22:41921
Nuclear design parameters for a monoenergetic neutron source, 23:3915
X-ray measurements around high power klystrons, 25:23903 (BRH/DEP-70-26, pp 183-95)
X-ray measurements near high-power klystrons, 24:35751
LEHMAN, Roger H. Thorium induced carcinoma of the maxillary sinus, 25:27050
LEHMAN, T. H. Radio frequency plasmoidal discharges, 23:34407 (AD-682992)
LEHMAN, Thomas A. Dehydration reactions involving major rearrangements. Comparison of ordinary mass spectral fragmentation to ion—molecule reaction processes, 25:39491
LEHMAN, Thomas Alan Kinetic isotope effect. I and II, 22:6309
LEHMANN, A. R. Double-strand breaks in DNA of mammalian cell after x-irradiation, 25:18911
Repair of DNA and the mode of action of sensitizers and protectors in biological systems of different complexity, 25:4536
Replication of DNA in murine lymphoma cells. I, 24:48407
LEHMANN, B. In-beam nuclear magnetic resonance of 159 μs level in ^{119}Sn, 25:28380
Magnetic moments of isomeric levels in the Br isotopes, 25:43841
LEHMANN, C. Average number of replacement collisions in electron-irradiated Ni$_3$Mn, 23:3610
Reaction ^{39}K(d,n)^{40}Ca, 21:42594
LEHMANN, Chr Influence of low-energy transfer on the defect production in electron-irradiated metals, 22:31931 (BNL-50083, pp 327-34)
LEHMANN, Christian O. Mutants of cultivated barley in relation to the species H. vulgare, 21:16524
Mutants of cultivated barley in relation to the species H. vulgare, 21:16523
LEHMANN, D. Containment for heavy-water gas-cooled reactors, 22:18449
Containment shell for 250 MWe gas-cooled heavy-water reactor, 21:42781
Rapid determination of radioiodine in natural waters, 21:5751 (JUL-410-ST)
Remarks on summation and integration of spherical harmonics using the graphical method, 23:21381 (ZFK-130, pp 239-45)
LEHMANN, G. Correction of the cranking model by means of perturbation theory, 21:44753 (ZFK-122, pp 349-52)
Improved solution of the cranking model through projections, 22:1731
LEHMANN, H. Field theories in two-dimensional space—time, 24:1645
Mixed ceramic materials based on molybdenum with oxide spinel bonds, 24:48879
Superpropagator of fields with exponential coupling, 24:43010 (DESY-70/26)
Superpropagator of fields with exponential coupling, 25:53300
LEHMANN, H. J. Development of a method of concentrating and drying liquid radioactive waste, 23:2542 (EUR-4047)
Method of concentrating and drying liquid radioactive waste, 25:213 (EUR-4047(Pt.2))
LEHMANN, H. P. Radiation-induced isomerization of stilbene in cyclohexane, 24:7458
Radioinduced isomerization of stilbene, 23:11571
X- and γ-ray-induced radiolytic isomerization of solutions of stilbene, 21:3100
LEHMANN, H.-R. Variations of the geomagnetic field during the proton flare event of July 1966, 23:22827
LEHMANN, Hanns-Rainer Evaluation of magnetic fluctuations determined by turbulence in the lower ionosphere, 22:36829
LEHMANN, Helmut Powder dosimeters, 25:451
LEHMANN, I. Travel times and amplitudes of Salmon nuclear explosion, 23:26394
Travel times of P as determined from nuclear explosions, 21:8486
Travel times of P as obtained from the nuclear explosions Bilby and Shoal, 22:8236
Travel times of the longitudinal waves of the Logan and Blanca atomic explosions, 21:24123
LEHMANN, J. Beta decay of /sup 176m/Lu, 23:31050
Hyperfine effect in the mu-mesonic ^{11}B atom and information on ^{11}Be from muon capture measurements, 23:7229
Information on ^{11}Be from muon-capture measurements, 23:44832
Muon partial capture rates in ^{16}O and the induced pseudoscalar coupling constant in muon capture, 23:23635
New gamma-ray branching ratios in ^{16}N and their implications, 25:38915
P_4 term in the perturbed β—γ directional correlation of ^{166}Ho in Ho$_2$O$_3$, 23:31049
Partial muon-capture rate measurements in ^{16}O, 23:44833
Spectrum shape measurement of two beta transitions in ^{111}Ag, 21:27605
Studies on uranium—molybdenum alloys, 22:34006
Study of the swelling of uranium alloys under irradiation, 24:23498 (BNWL-tr-46)
Swelling of uranium alloys under irradiation, 22:34090
Swelling of uranium under irradiation, 22:49778
Uranium alloy, 24:14688
Uranium swelling under irradiation, 25:2762
LEHMANN, J. C. Nuclear orientation of ^{111}Cd by optical pumping with resonance line 5^{1}SO—5^{1}P$_1$, 23:13270
LEHMANN, Jeanne Swelling and growth of U alloys under irradiation, 24:14859
Uranium alloys, 25:27195
LEHMANN, L. Hyperfine fields on recoil implanted nuclei 62 less than or equal to Z less than or equal to 74 in polarized Fe-, Co-, and Ni-environment, 22:11535
Multiply charged heavy ions from a standard 5.5 MeV Van de Graaff, 24:13248
Perturbed gamma-ray angular distribution from Yb, 25:7864
Possible applications of perturbed angular distributions in high internal magnetic fields, 22:46841
Range measurements of very heavy ions using Coulomb excitation and perturbed angular correlation, 21:40057
LEHMANN, M. Attempt to derive an interstellar extinction law in the ultraviolet by balloon-borne observations, 25:40178
LEHMANN, Miroslav Distribution of thermal neutron flux in HWGCR lattice cell, 22:50745 (ZJE-24(Pt.1))
Modifications of integral transport theory for flux calculation in HWGCR lattice cell, 23:43098 (ZJE-50)
LEHMANN, P. Charged-pion electroproduction on light nuclei, 21:4200
Coherent photoproduction of π^0 on He, 24:12924
Photodisintegration of deuteron from 140 to 400 MeV, 22:24520
Photoproduction-π^- from hydrogen at 60° between 0.85 and 1.21 GeV, 22:46315
LEHMANN, P. H. Activation shapes in ^{233}U- and ^{235}U—Th seed-blanket critical assemblies, 22:6116
Calculation of foil effects in thermal-disadvantage-factor measurements, 21:8099
Thermal disadvantage factors and fast advantage factors in U—Th, seed-blanket assemblies, 21:44877
LEHMANN, Urte Rabbit ovary after x-irradiation, 23:50874
LEHMANN, V. Phase transitions and distribution of temperature zeros of partition function. II, 23:8700
LEHMANN, W. Alloying behavior of Zr, 23:46074
Transformation characteristics of a Zr—4 wt. percent V alloy, 23:32036 (BMwF-FBK-68-61)
Transformation characteristics of Zr—V alloy, 23:41676
LEHMANN-BRAUNS, E. Four radiation sensitive mutants of Saccharomyces, 24:48522
LEHMER, W. Example of the use of low-temprature gas separation for nuclear reactors, 23:7403
LEHMER, Wilhelm Process for decontaminating radioactive fluids, 24:27319
LEHMILLER, David J. Permissible exposure levels for laser irradiation, 24:21306
LEHNART, N. Wire spark chamber spectrometer for analysis of decay of neutral K mesons, 24:25299 (PITHA-30)
LEHNER, G. Anisotropy and its relaxation in a fast megajoule theta pinch, 22:1195 (LA-3770, Paper G2)
Anisotropy and relaxation of the plasma in the ISAR I—megajoule theta pinch, 22:1176 (IPP-1/67)
Dynamic stabilization of a Z-pinch, 22:50200 (IPP-1/77)
Measuring magnetic fields by scattered light, 24:15289
Neutron flux anisotropy of high energy deuterium plasmas, 24:19913 (IPP-1/103)
Neutron reactions as a means for plasma diagnostics, 22:1169
Neutron yields and energy spectra for hot deuterium—tritium plasmas, 24:51711 (IPP-1/107)
Neutrons from d—d-reactions as a tool for plasma diagnostics, 21:35145 (IPP-1/60)
Neutrons from d-d-reactions as a tool for plasma diagnostics, 22:26364 (LA-tr-67-113)
Nuclear reactions in high-energy plasmas, 24:15355
Possibility of measuring magnetic fields by scattered light, 22:1154 (IPP-1/69)
Problem of controlled thermonuclear fusion, 25:36212
Radial oscillations of pinched plasma columns, 24:19918 (IPP-1/104)
Reaction neutrons as a tool in plasma diagnostics, 23:3453 (NP-tr-1671)
Reaction rates and energy spectra for nuclear reactions in high energy plasmas, 24:19912 (IPP-1/101)
Relaxation of anisotropic plasmas with dynamic shielding, 23:1438
Relaxation of anisotropic plasmas with dynamic shielding, 23:5409
Relaxation of anisotropic plasmas, 21:44074
Relaxation of heavy ion impurities in an anisotropic deuterium plasma, 23:23127 (IPP-1/91)
Vacuum magnetic fields of linear stellarators with shaped coils, 25:59074 (IPP-1/119)
LEHNER, Guenther Limits of production of very high magnetic fields, 23:47680
LEHNERG, B. Partially ionized plasma centrifuge, 25:54912
LEHNERT, B. Balance of magnetized plasma, 23:25351
Conditions for cosmic grain formation, 25:914
Interaction between a fully ionized plasma and a neutral gas blanket, 25:11878
Interaction between fully ionized plasma and neutral gas blanket, 25:25113
Ion separation effects in the boundary region of a plasma surrounded by neutral gas, 24:47232 (NP-18420)
Magnetic guarding of supports, 24:8488
Minimum temperature and power effect of cosmical plasmas interacting with neutral gas, 25:16703
Minimum temperature of a magnetized plasma, 21:44019 (N-67-21766)
Neutral gas effects on cosmical plasmas, 24:47101 (NP-18421)
Plasma confinement and heating in the internal ring device F IV, 25:38327 (CONF-710607-5)
Plasma motion and equilibrium in unsymmetric magnetic fields, 25:3097
Screening of high-density plasma, 23:14745
Space-charge effects by nonthermal ions in a magnetized plasma, 22:1210
LEHNERT, Bo Future of world energy, 25:52852 (NP-18988)
Particle, momentum, and heat balance of a magnetized plasma, 22:9304 (N-67-22496)
LEHNERT, Bo. Controlled nuclear fusion today and future prospects, 22:31882
Plasma physics: manifold combinations, 23:18617
Present situation and future prospects of controlled nuclear fusion, 23:44460 (N-69-29236)
LEHNERT, Dieter Dose distribution with a wedge filter in ^{137}Cs teletherapy, 24:32006
LEHNERT, Shirley X-ray-induced single-strand breaks in DNA of E. coli B/r: effect of irradiation and postirradiation conditions, 25:26655
LEHNING, H. Helium high pressure irradiation facility for breeder fuel pins, 25:18192
LE HO, J. G. Study of lattices of graphite with empty channels by means of the pulsed source technique, 22:25148
LEHOCZKY, A. Microwave transmission- and reflection-coefficient ratios of thin superconducting films, 21:15072
LEHOCZKY, S. L. Fluctuation effect in the ac conductivity of thin lead films, 23:48868
Fluctuation effects in the ac conductivity of thin lead films below the superconducting transition temperature, 24:32778
LEHOCZKY, Sandor Lajos Microwave transmission and reflection coefficients of thin superconducting lead films, 23:23032
LEHONGRE, S. Versatile aluminum alloy for cryogenic applications, 21:43610
LEHOTAI, Lajos Effect of whole-body x-radiation on the lipolytic activity of rat heart extracts, 25:42281
LEHOTAY, E. Equipment for measuring the hf structure of high-energy nuclear particles beam, 22:22514
LEHOTAY, Eugen Pulsed operation of an analyzer of the high-frequency structure of a beam of high-energy nuclear particles, 22:22513
LEHOVEC, K. Impedance for tunnel exchange of electrons across the annealed Ta/Ta$_2$O$_5$ interface, 22:15632
Kinetics of Ta corrosion in aqueous electrolytes. I, 21:20476
Kinetics of Ta corrosion in aqueous electrolytes. II, 21:22844
LEHR, E. Biochemistry of memory retention. I, 25:21559
LEHR, J. Radiocontamination of plants, 24:41865
LEHR, James L. Computer algorithms for the detection of brain scintigram abnormalities, 25:24230
LEHR, P. Application of electron-beam furnace to metallurgical elaboration problems, 21:26773
Behavior of zirconium under carbon monoxide, 22:11030
Contribution to the study of zirconium—oxygen alloys, 22:11078
Corrosion of Zr alloys by carbon gas. I, 23:8115
Corrosion of Zr alloys by carbon gas. II, 23:8116
Examples of application of the electron bombardment furnace in metallurgical chemistry, 22:10931
Fundamental aspects of zirconium oxidation phenomena with pure oxygen, 21:18215
Grain growth phenomenon in zirconium, 21:18290
Kinetics and evaporation mechanisms during electron beam melting of Zr—O and Zr—Si, 23:18205
Kinetics of zirconium oxidation under low oxygen pressures, 25:58175
Oxidation of zirconium and certain of its alloys in carbon dioxide, 21:18216
Oxidation of zirconium in a carbon dioxide atmosphere, 23:16465 (WAPD-Trans-112)
Structure changes in Zr—Nb alloys, 23:36228
Tensile deformation of Zr and Ti, 22:34052
Zirconium thin film observations by transmission electron microscopy, 21:18293
LEHR, Pierre Description of a Zr$_3$O/sub 1-x/ superstructure, 23:10291
Inorganic: micrographic structure of oxide layers formed during oxidation of massive zirconium, 23:35994 (WAPD-Trans-118)
Metastable phases system Zr—Nb, 23:16495
Micrographic structure of layers of oxide formed in the course of the oxidation of a solid mass of zirconium, 22:28739
Oxidation of zirconium by carbon monoxide, 21:32830
Oxidation of Zr under reduced O pressure, 23:29974
Structure properties of polycrystalline Zr and grain growth, 23:6702
Study of oxidation of Zr at high temperatures and under low O pressures, 24:44669
Study of the mechanical properties of Zr—Nb alloys, 25:689
Thermogravimetric study of zirconium oxidation under low oxygen pressure, 24:14653
Zirconium oxidation under a low oxygen pressure, 25:19178
LEHRAUS, I. Beam profile scintillation counter hodoscope, 21:28231
Gated pulse charge analyzer for high-energy beam profile and flux measurements, 21:16246
High energy particle identification by ionization measurements using single gas proportional counter, 25:35018
Reaction $\pi^-p \rightarrow \pi^0n$ at 4.0 GeV/c, 23:27751

- Scintillation counter with improved uniformity, 24:29526
- LEHRER, Conrad Separation of UO_2^{2+}—^{90}Sr—^{90}Y AND UO_2^{2+}—^{152}Eu through electrophoretic focusing using the tartaric or citric acid as complexing agent, 21:14291
- LEHRER, S. S. Uv irradiation effects in poly-L-tyrosine, 21:20102
- LEHRER, Sherwin S. Deuterium isotope effects on the fluorescence of tryptophan in peptides and in lysozyme, 24:31330
- LEHRER-ILAMED, Y. Value function for multicomponent isotope separation, 23:50072
  - Value function for multicomponent isotope separation, 24:2405
- LEHRHEUER, W. Design and fabrication of irradiation rigs, 22:42490
  - Diffusion welding of austenitic chromium—nickel steels to aluminium, 22:31338
  - High-temperature brazing of thermoelements and pipe ducts on reactor plugs for reactor experiments, 25:27177 (JUL-681-RX)
  - Welding and brazing techniques in the fabrication of facilities for nuclear experiments, 25:35326
- LEHRNBECHER, W. Distribution of ^{125}I in guinea pigs, 23:50287
- LEHTINEN, Antti Ilmari Method for measuring quantities associated with the filler distribution of paper, 25:336
- LEHTINEN, B. Habit planes of zirconium hydride in Zircaloy-2, 23:8235
  - Orientation of Zr hydride on grain boundaries in Zircaloy-2, 21:24790
  - Some observations on Zr—O solid solutions with a microprobe and by electron microscopy, 22:19607
- LEHTINEN, M. Specific heats of ErAs and ErSb at low temperatures, 24:26328
- LEHTO, D. Transformations for scaling of close-in pressures from nuclear explosions, 21:30556 (AD-630654)
- LEHTO, Delbert L. Shock propagation in spherically symmetric exponential atmospheres, 22:36933
- LEHTO, Wayne K. Analysis of gamma noise experiment by Langevin's technique, 22:30832
  - Determination of reactor kinetic parameters by photon observation, 22:39886
  - Effects of S/N ratio on the results of polarity correlation experiments, 24:33529
  - Fast reactor shutdown-margin measurements, 25:41527
  - Fission cross-section ratio measurements of ^{239}Pu and ^{233}U to ^{235}U, 24:24559
  - Gaseous Cherenkov power-level monitor, 22:4440
  - Measurement of ^{239}Pu-to-^{235}U fission ratio, 23:37757
  - Reactor noise measurements using gamma rays, 22:22846
  - Threshold detector for high-energy gammas, 21:6255
- LEHTO, Wayne Kutramo Measurement of dynamic reactor parameters by photon observation, 22:47027
- LEI, K. P. V. Electrorefining of V prepared by carbothermic reduction of V_2O_5, 25:55408
  - High-purity vanadium, 22:10930
- LEIB, R. J. Multi-wire proportional counters for low-energy particles, 24:39281
- LEIBACHER, J. Five-minute oscillation of the solar atmosphere, 23:22836
  - New description of the solar five-minute oscillation, 25:13901
- LEIBBRANDT, F. Zirconium—molybdenum nitrides, 21:5866
- LEIBBRANDT, G. Simulated T-violation effects in elastic electron—proton scattering, 24:47489
- LEIBE, E. Kinetic theory and relaxation processes of weakly ionized gases, 23:1402 (AD-670218)
- LEIBE, H. Effect of barbital on mortality of irradiated mice, 21:43448
  - Studies on the mechanism of enzyme induction in rats and mice. VIII, 21:22658
- LEIBER, C. O. Dynamic behavior of dispersed inhomogeneous systems, 25:58380
  - Hugoniot elastic limit and dynamic compression strengths of brittle materials, 25:51353 (UCRL-Trans-10546)
- LEIBETSEDER, J. Neutron activation analysis for the determination of Se, 23:45611
  - Vitamin E deficiency and Se content in animals, 23:5020
  - Zinc metabolism in pigs, 25:51981
- LEIBFRIED, G. High-energy limit in rearrangement collisions, 23:5227
  - Rearrangement collisions for high energies (linear model), 22:16064
  - Spontaneous recombination of Frenkel pairs for electron irradiation, 21:37568
  - Spontaneous recombination of Frenkel pairs in neutron-irradiated solids, 21:37569
- LEIBFRIED, Guenther Motion of energetic particles in crystals, 22:11509
- LEIBLER, Karoline ESR study of the radicals produced by irradiation in some saturated and unsaturated mono and dicarboxylic acids, 24:41379
- LEIBOLD, Hans Ceramic and cermet materials for high-duty extrusion dies, 25:32821
- LEIBOLD, I. Action of ultraviolet radiation on influenza virus, 22:4710
- LEIBOVICH, S. Differential equation governing rear stagnation point in magnetohydrodynamics and Goldstein's backward boundary layers, 22:7201
  - Magnetohydrodynamic flow at a rear stagnation point, 21:39856
  - Magnetohydrodynamic flow at a rear stagnation point, 21:41885
  - Magnetohydrodynamic flow in channels of variable cross section with strong transverse magnetic fields, 21:24965
  - Rear stagnation point and backward boundary layers, 22:19849
- LEIBOVITZ, C. Junction conditions for spherically symmetric matter in co-moving co-ordinates, 23:23546
  - Maximum efficiency of energy release in spherical collapse, 24:37568
  - Oscillating state as alternative to gravitational collapse, 24:19699
  - Rest mass in special relativity, 23:44717
- LEIBOVITZ, Clement Point mass in a Einstein universe, 24:37165
  - Spherically symmetric static solutions of Einstein's equations, 24:8734
- LEIBOWITZ, Elia M. Polarization of the continuum background in planetary nebulae, 23:22722
- LEIBOWITZ, Howard M. Corneal injury by laser radiation, 24:885
  - Corneal injury produced by carbon dioxide laser radiation, 24:14600
  - Laser-induced cataract. Clinical observations, 24:41985
- LEIBOWITZ, J. R. Amplitude dependence of shear-wave attenuation near T/sub c/ in In, 23:18558
  - New absorption phenomenon for transverse ultrasonic phonons in superconductors near T/sub c/, 22:52711
  - Ultrasonic investigation of isolated-vortex state near H/sub c1/ in vanadium, 23:1340
- LEIBOWITZ, L. Enthalpy of liquid U dioxide to 3500°K, 25:22180
  - Enthalpy of solid UO_2, 23:16533
  - Enthalpy of solid uranium dioxide, 23:12424
  - Enthalpy of solid W, 23:30034
  - Prog. rpt. on reactor safety and physical property studies, semiannual, 1—6/71, 25:52318 (ANL-7820)
  - Reaction of molten sodium spray with air. I, 24:206
  - Reaction of molten sodium spray with air. II, 24:207
  - Thermodynamic equilibria in sodium—air systems, 21:46886
- LEIBOWITZ, M. Vacuum ultraviolet excited luminescence of pure and doped polystyrene, 23:2615
- LEIBRANDT, G. Seeming time-reversal violation in higher-order weak interactions, 22:53006
- LEIBRECHT, K. Special problems in electron synchrotrons, 21:21328
- LEIBSCHANG, J. Effect of lyophilization and γ irradiation on proteins, 22:52091
- LEIBY, C. C. Jr. Gravity and electric charge, 23:44701 (AD-686058)
  - Volume forces in plasmas, 21:42056
- LEIBY, D. W. Data processing applications to a large dual-purpose reactor, 21:40692
- LEIBY, David W. Depth gauge probe assembly, 25:6454
- LEICH, D. A. Rf losses in superconducting lead cavities, 25:50309
- LEICHER, Z. Effects on peripheral nerves following whole-body irradiation, 25:21867
  - Influence of gamma irradiation on frog sciatic nerve, 23:33883
- LEICHLITER, G. L. NUKER: program for thermal and mechanical analysis of fuel rods, 21:1157 (CONF-661001-26)
- LEICHSENRING, G. F. Prog. rpt. on magnetic flux flow and superconductor stabilization, 10-12/68, 23:23025 (ORNL-TM-2534)
- LEICHTER, H. Fatigue behavior of a high density graphite and a general design correlation, 23:27167 (UCRL-71316)
  - Fatigue behavior of EP-1924 graphite and generalized design criterion, 22:43652 (UCRL-50337)
- LEICHTER, H. L. Fatigue behavior of high-density graphite, 24:25786
- LEICHTER, Peter Process for disintegrating graphite bodies, 23:39036
  - Process for the production of carbide particles, 22:43639
- LEICHTER, Peter Hans Process for disintegrating graphite bodies, 24:4356
- LEICHTLING, Benjamin Hersch Hydrogen—deuterium exchange of polypeptides, 21:35981
- LEICKNAM, J. P. Isotope analysis of nitrogen by emission spectrometry, 23:49717
  - Isotopic analysis of N with low ^{15}N content by optical spectrometry, 22:14443
  - Simple conversion of a spectrograph to a recording spectrometer, in particular for the measurement of the relative abundances of N isotopes, 22:21393
- LEICKNAM, Jean-Pierre Contribution to isotopic analysis of nitrogen using optical spectrometry, 22:37644 (CEA-R-3410)
  - Isotope effects in mass-spectrometry, 21:35911 (CEA-R-3134)
  - Isotopic analysis of ^{235}U by emission spectrometry. II, 24:11424 (CEA-R-3457(2))
  - Routine isotopic analysis of ^{235}U by emission spectrometry. I, 22:37646 (CEA-R-3457)
- LEIDAHL, Gordon Arthur Immunologic response of swine to x-irradiated larvae Ascaris suum, 24:25415
- LEIDEN, S. H. Influence of stress interaction effects upon pore motion in solids, 24:32427
  - Influence of stress interaction effects upon pore motion in solids, 25:24565
  - Pore motion in solids resulting from applied stresses (LWBR development program), 25:22153 (WAPD-TM-983)
  - Swelling and gas release models for oxide fuels, 25:32796
- LEIDER, H. R. Annealing of irradiated Li hydride. II, 24:36984
  - Calorimetric evidence of molecular hydrogen in irradiated lithium hydride, 25:51484
  - Further studies on irradiated LiH, 24:2215 (UCRL-50726)
  - Moessbauer effect in MgO:Fe^{+3}, 22:11549
  - NMR and electron microscopy studies on irradiated lithium hydride, 24:42838
  - Radiation damage in LiF, 24:5680 (UCRL-50747)
  - Thermal annealing of irradiated lithium hydride. I, 24:36272
- LEIDER, Herman R. Evidence for the formation and motion of molecular hydrogen in irradiated lithium hydride, 23:45309 (UCRL-50698)
- LEIDERER, P. Critical currents in superfluid He near T/sub lambda/, 23:30474
  - Influence of impurities on laser induced breakdown in liquid ^4He, 25:36014
  - Mutual friction and the thermal conductivity of superfluid helium near T/sub lambda/, 25:25001
- LEIDL, W. Determination of testes consistency in bulls, 25:55337
  - Studies about the effect of interval length in fractionated irradiation of rabbit testes, 25:589
- LEIF, W. R. Mice exposed to continuous low dose γ radiation, 24:34153
- LEIFER, Leslie Prog. rpt. on fundamental studies of concentrated electrolyte solutions, annual, 6/67—2/68, 22:25209 (COO-1712-1)
  - Prog. rpt. on fundamental studies of concentrated electrolyte solutions, annual, 3/69—2/70, 24:26861 (COO-1712-5)
  - Use of ion activity function in solution kinetics. I, 22:30406 (COO-1712-2)
- LEIFSON, J. Reaction $^{14}N(d,\alpha)^{12}C$ at deuteron energies between 2.3 and 5.8 MeV, 22:11911
- LEIGH, B. Induction by x-rays of double mosaics involving Y-chromosome, 25:42344
  - Induction by x-rays of isochromosomes in the germ cells of D. melanogaster males, 24:44464
  - Induction by x-rays of isochromosomes in germ cells of Drosophila melanogaster males, 25:13409
  - Interaction of chromosome breaks in spermatids and spermatocytes of Drosophila melanogaster, 25:42354
  - Radiation-induced loss of ring-X chromosomes in Drosophila, 23:31711
- LEIGH, David Geoffrey Improvements in or relating to nuclear reactors, 21:46976
- LEIGH, J. R. $9/2^-$ [514] state in ^{183}Re, 25:53763
  - $9/2^-$[514] state in ^{183}Re, 25:28287 (ANU-P-518)
  - High-spin isomer in ^{211}At, 25:43912
  - Some limitations on the production of very neutron-deficient nuclei, 25:46076
- LEIGH, K. M. Turbine Hall model flow tests, Winfrith SGHWR, 22:30217
- LEIGH, L. Transport triumph at Zorita, 24:30961
- LEIGH, W. J. Fixed-t dispersion relations for pion photoproduction in the second resonance region, 25:12146
  - General properties of Bethe—Salpeter norms, 24:10813
  - High-energy data on charged-pion photoproduction, 25:22732
  - Microcausality, Kramers' theorem, and bound-state Bethe—Salpeter equation, 24:52193
- LEIGHLY, H. P. Jr. Nuclear metallurgy curriculum at Univ. of Missouri at Rolla, 25:34781
  - Solidification and segregation in cast aluminum—uranium alloys, 23:6695
- LEIGHTON, G. S. Electrical component technology for 1/4 to 10 megawatt space power, 22:37552 (CONF-680802-1)
- LEIGHTON, Gerald S. Analysis to determine the optimum heat source temperature for a K Rankine cycle space power plant, 21:42800
- LEIGHTON, H. Charged particle polarimeter for use with a magnetic spectrometer, 22:23370
- LEIGHTON, H. G. Deuteron-induced reactions on ^{28}Si, 23:1867
  - High-resolution investigation of the $^{30}Si(tau,d)^{31}P$ reaction, 24:20370
  - Isotope shift of the nuclear potential radius, 22:30074
  - Proton polarization from reaction $^{40}Ca(d,p)^{41}Ca$ at 5 MeV, 22:41987
  - Reaction $^{32}S(d,p)^{33}S$ at E/sub d/ M= 10 MeV, 25:48063
  - Reactions $^{40}Ca(d,d)^{40}Ca$, $^{40}Ca(d,p)^{41}Ca$ and $^{40}Ca(d,n)^{41}Sc$, 22:18189
  - Sulfur-33 levels, 24:52487
- LEIGHTON, P. M. Deoxyribonucleic acid synthesis and cell division in a lon^- mutant of Escherichia coli, 24:41759
- LEIGHTON, R. B. Infrared and optical measurements of the Crab Pulsar NP 0532, 23:34191
- LEIGHTON, R. E. Pneumatic transfer system and sample rotator for linac irradiations, 22:1544
- LEIGHTON, Robert B. Infrared sky, 22:43754
  - Magneto-kinematic model of the solar cycle, 23:22842
- LEIGHTON, S. C. SCANAL: single channel synthesis depletion code with triangular mesh in horizontal plane, 23:49654 (GA-9423)
- LEIGHTON, Stuart A. Remote handling techniques used in the study of fission product diffusion in irradiated metals, 21:9201 (RFP-658, pp 76-83)
- LEIKIN, E. M. Analysis of angular distributions for process $\gamma p \rightarrow n\pi^+$, 23:25552
  - Cosmic shower γ spectrometers, the theory, and basic specifications, 21:10611
  - Detector of the stoppage of positive pions, 23:11797
  - Experimental method for determining the efficiency function of a device including a magnetic spectrometer, 23:11833
  - Instrumentation for studying π^+-meson photoproduction, 21:11748
  - Liquid hydrogen target, 21:7618
  - Photoproduction of positive pions on protons in region of resonance $P_{33}(1236)$, 25:9623
  - Positive pion photoproduction from hydrogen at large angles in the region of the first resonance, 21:44252
  - Production of polarized bremsstrahlung, 22:38778
- LEIKIN, Yu. A. Studies of sorption of rare-earth elements and uranium on phosphorus containing resin cations, 22:42625
- LEIKO, G. A. Elementary processes of change of charge states in the interaction between protons and hydrogen molecules, 23:30352
- LEIMAN, V. G. Hydrodynamic stability of electron streams in vacuum, 25:43756
  - Nonlinear longitudinal waves in electron beams, 21:11887
- LEIMDORFER, M. Calculations of radiation hazard due to exposure of supersonic aircraft to solar-flare protons, 21:6520

Calculations of the radiation hazard due to exposure of supersonic aircraft to solar-flare protons, 21:21007

High-energy muon transport and muon backstop for 200-GeV accelerator, 22:32378

High-energy muon transport and muon backstop for proton accelerator, 23:1729 (ORNL-4322)

Method of representing two-dimensional distributions for use in Monte Carlo calculations, 21:13898 (ORNL-4002)

Monte Carlo study of method for lunar (surface) analysis based on spectroscopy of gamma rays following 14-MeV pulsed-neutron bombardment, 21:25779

Nonelastic cross sections and particle-emission spectra from nucleon—nucleus collisions in energy range 25 to 400 MeV, 21:23238 (ORNL-4046)

Nonelastic cross sections and particle spectra from nucleon—nucleus collisions at 25 to 400 MeV, 21:37529

Radiation hazard due to exposure of supersonic aircraft to solar-flare protons, 24:35109

Transport of 500-MeV/c muons in Fe, 22:3150 (ORNL-TM-2048)

LEIMDORFER, Martin Monte Carlo integration of adjoint neutron transport equation, 23:44820

Penetration and interaction of protons with matter. I, 24:47292 (N-70-20031)

LEIMGRUBER, R. A. Production of variable-energy calibrating radiation by Compton scattering, 23:26475

LEINACHUK, E. I. Influence of V on susceptibility of weld metal to hot cracking, 23:43978

LEINBACH, H. Conjugate observations of an electron precipitation event associated with the sudden commencement of a magnetic storm, 25:7305

Energetic-particle precipitation over Antarctica, 23:18522

LEINBACH, Harold Midday recoveries of polar cap absorption, 22:2951

LEINE, L. Oskarshamn power reactor, 21:46884

Research and development work leading up to the ASEA-ATOM BWR, 25:12712

LEINE, Lars ASEA boiling water reactors for light and heavy water, 22:46946

LEINERTE, M. P. Growth of higher freshwater plants after irradiation, 24:36852

Influence of external γ-irradiation of higher aquatic plants on their accumulation of ^{90}Sr, ^{137}Cs, and ^{144}Ce, 24:9968

Irradiation of duckweed (Lemma minor), 22:47636

LEINEWEBER, Hubert Measurement of small activity concentrations in beakers, 23:7757

LEINFELDER, P. J. Protecting the irradiated lens, 21:12853

LEINHARDT, T. E. Isothermal phase transformations in Cerium metal at 80°K, 21:20520 (TID-22457)

Resistance and crystal structure of cerium as determined by temperature cycling, 22:15198

LEINONEN, Tatu E. Influence of slight curvature on the bending behaviour of a rotating shaft, 24:36477

LEIPELT, G. R. Measurement of x-ray-induced electron currents from metal targets, 24:4986 (UCRL-50691)

Sensitivity of photo electric diode detector for soft fluorescent x rays, 21:30701 (UCID-15164)

Sensitivity of photo electric diode detector for soft fluorescent x rays, 22:8341 (UCID-15248)

LEIPER, W. L/K electron capture ratio in decay of ^{159}Dy, 25:36771

Ratio of K-capture to positon emission in the decay of ^{11}C, 21:23426

LEIPERT, T. K. Applications of gamma-ray angular correlations to the study of biological macromolecules in solution, 23:9880

LEIPNIK, R. B. Sources of plasma physics. I, 25:49901

LEIPOLD, M. H. Fabrication and characterization of hot-pressed tantalum carbide, 22:38603 (N-68-10078)

Mechanical behavior of tantalum carbide and magnesium oxide, 22:38625 (N-68-11625)

LEIPOLD, Martin H. Pressure-densification in tantalum carbide, 24:36961

LEIPOLD, Michael Nuclear fuel element, 21:5720

LEIPUNER, L. Experiments: beam surveys and search for particles, 24:52309 (TID-25473(Vol.1), pp 425-41)

NAL on-line computing facilities, 24:52317 (TID-25473(Vol.3), pp 145-64)

Quark search, 24:51936 (TID-25473(Vol.4), pp 319-24)

LEIPUNER, L. B. Cathode ray film scanner, 21:43246

Proton—proton triple scattering at 1.9 GeV, 23:25522

Search for charge-2/3 quarks produced by cosmic rays, 21:18476

Search for fractionally charged particles produced by cosmic rays, 21:915

Search for particles with charge 2/3e in cosmic rays, 21:37183 (BNL-11544)

Search for particles with fractional charge greater than or equal to $^4/_3$e in cosmic rays, 22:11241

Search for the intermediate vector boson, 23:49045

Search for the intermediate vector boson, 25:38654

LEIPUNSKAYA, D. I. Ac—Be and Po—B neutron sources in logging and exploration geophysics, 24:9522

Cupel assay of gold by an activation method, 25:54521

Nuclear-physical constants for neutron activation analysis, 23:37931

Prospects of using Ac—Be and Po—B neutron sources in mining and exploration geophysics, 24:41421 (CSIRO-Trans-10085)

Use of standard activation analysis apparatus in investigation rocks and ores, 24:9730

LEIPUNSKII, A. I. Application of nuclear physics in related scientific fields and the national economy, 22:53502 (ORNL-tr-1990)

Application of nuclear physics to allied sciences and to national economy, 22:44969

Atomic power plant BN-350, 21:21752 (CEA-tr-R-1538)

Atomic power plant with BN-600 reactor, 23:15577

BN-350 and BOR fast reactors, 21:21655

BN-350 and BOR fast reactors, 22:18520

BN-350 atomic power plant, 23:52429 (JPRS-48330, pp 123-50)

BN-350 nuclear power plant, 23:47287

BN-600 fast reactor, 24:24795

BOR experimental reactor, 23:52309 (JPRS-48330, pp 228-37)

Bulletin of the Russian Nuclear Data Center, 25:9948

Designing a large fast power reactor, 23:47176

Development of fast breeders, 22:7827

Development of fast reactors in USSR, 23:15612

Development of fuel elements for BOR-60 reactor, 25:53898 (A/CONF.49/P-460)

Efficient utilization of fuel in nuclear fast power reactors, 25:54135 (A/CONF.49/P-709)

Eight years operation of the BR-5 reactor, 23:52417

Experience gained from operation of BR-5 reactor, 1964-5, 22:18571

Experience in fast reactor operation and design in USSR, 25:54136 (A/CONF.49/P-750)

Experience with the building and the startup of the bor-60 reactor, 25:48278

Experimental and theoretical investigations on the physics of fast reactors, 22:18570

Experimental BOR reactor, 23:47142

Fast-reactor physics work on BR-1, IBR, and BFS reactors, 23:52411 (JPRS-48331, pp 199-257)

Heat exchange equipment of BN-350 reactor, 23:52430 (JPRS-48330, pp 252-68)

Large fast plutonium breeders with non-uranium plutonium solvents, 21:2880

Nuclear energy installations and their technical possibilities. summary report, 22:5936 (JPRS-43265)

Nuclear power plant with BN-350 Reactor, 22:7828

Nuclear power plants and their technological possibilities, 21:42773

Nuclear power station BN-350, 23:11078 (AEC-tr-6975)

Physical problems in developing fast power reactors, 21:15711

Present and future for the development of fast reactors, 24:43707

Problems of the construction of a high powered fast reactor, 22:32736 (ANL-Trans-588)

Prospects of development of nuclear power industry in USSR, 25:54039 (A/CONF.49/P-712)

Results of eight years of operation of BR-5 reactor, 23:11269 (AEC-tr-6976)

Role of fast breeder reactors in nuclear power program, 23:43088

Role of fast reactors in atomic power engineering, 23:52306 (JPRS-48330, pp 6-11)

Safety problems in the design of large plutonium-fueled fast reactors, 22:53387

Sodium technology and equipment of BN-350 reactor, 21:19394

Sodium technology and equipment of BN-350 installation, 22:18506

State and distribution, monitoring, and elimination of impurities in circulating alkali metal coolants, 21:26030 (ORNL-tr-1608)

Study of the possibility of using thorium in fast power reactors, 21:14033

LEIPUNSKII, Alexander Nuclear power systems and their technical potentialities, 21:27721

LEIPUNSKII, O. I. Mean residence time of radioactive aerosols in the upper layers of the atmosphere based on fallout of high-altitude tracers, 24:41441

LEIPUNSKOGO, O. I. Radiation penetration through non-homogeneities in shielding, 23:48959

LEIPZIGER, S. Flow of a liquid metal coolant past a heat generating cylinder, 25:26422

LEIRVIK, Raymond M. Fuel element-control rod assembly, 23:9245

LEIS, H. G. Conductivity mechanism of β-rhombohedral B, 24:51832

LEISEGANG, E. C. Infrared fundamentals of monodeuteromethane, 23:11496

LEISI, H. J. Effect of pressure on hyperfine fields in decay of gaseous ^{127}Xe, 22:46793

Higher-order electromagnetic transitions in nuclei, 23:44981

Resonances in perturbed angular correlations due to repelling levels, 22:46845

Selection rules for interference in perturbed angular correlations, 22:46842

Unperturbed angular correlation from a low-density gaseous source, 24:52616

Zero-field resonance in angular correlations perturbed by an isotropic hyperfine interaction, 22:46843

Zero-field resonance in angular correlation with a paramagnetic powder source, 22:46844

LEISK, C. Wardell Project Rulison: new approach to energy shortage, 25:51660 (CONF-710428-, Paper 2)

LEISS, J. E. Beam loading and transient behavior in traveling wave electron linear accelerators, 25:50225

Electron linear accelerators as sources of high intensity neutron bursts, 21:44514 (CONF-660925, pp 605-21)

NBS linac, 21:11828 (LA-3609, pp 20-7)

Transient beam loading in electron linear accelerators, 23:28191

LEIST, N. R. Beneficiation and refining of uranium concentrates, 24:46305 (NLCO-1067)

Computer programs for refinery campaigns, 21:38999 (NLCO-1001, pp 1.1-17)

Computerized control of nuclear materials for uranium residue reprocessing, 23:43502 (CONF-680506-, pp 121-39)

Crystallization characteristics of acidic uranyl nitrate solutions, 22:4085

Crystallization characteristics of acidic uranyl nitrate solutions, 22:48861

Improvements in TBP extraction process for U concentrates and residues, 24:19047 (NLCO-1057)

LEISTIKOW, S. Chemical demands of fuel element cladding, 22:32775 (KFK-700(Pt. IX))

Corrosion of INCONEL alloy 625 in reactor environment, 21:34860

Development of fuel elements for fast breeder reactors, 22:53273 (EURFNR-472)

Experimental studies on pressure drop and long-time behavior of support points in a model fuel element of incology 800 tubes with six integral helical ribs as spacers in an isothermal superheated steam flow, 24:26769 (EURFNR-721)

Investigation of reactor materials after corrosion in superheated steam, 24:12364

Long-time corrosion investigation of austenitic Cr—Ni steel and nickel-base alloys in superheated steam (620°C, 1 atm) with special attention to behavior of cold-formed material surfaces, 25:37921 (KFK-1301)

Loss of pressure and long-term behavior of reinforced place in model fuel element with Incoloy 800 tube with six integral spirals as spacers in isothermal stream of superheated steam, 24:18654 (KFK-1028)

Methods for investigating reactor materials after corrosion, 24:25642

Problems of isothermal steam corrosion of Incoloy 800 Alloys in relation to surface treatment, 24:10001 (KFK-1054)

Surface analysis, 21:20475

LEISTIKOW, Siegfried Corrosion in gaseous coolants, 24:9997 (KFK-985, pp 113-33)

LEISTNER, B. Nuclear Center of Gundremmingen and AEG Boiling Water Reactors, 22:3871

LEISTNER, G. Incidents of pressurized water reactors. II, 24:36052

Investigation of blowdown simulation of boiling water reactors. I, 24:5535 (NP-tr-1865)

Pressure loss incidents in water cooled reactors. I, 24:9135

LEISTNER, G. H. Detection and removal of radioactive contaminants in reactor-irradiated NaCl, KCl/K_2CO_3, and NH_4Br, 25:11046

Effect of L-triiodothyronine on thyroid ^{132}I uptake, 21:24281 (BMwF-FBK-66-25)

Method for simultaneous activity measurements of ^{24}Na, ^{42}K, and ^{82}Br in liquid samples, 25:11066

LEISTNER, H. G. Elastic wave propagation, 23:9586

LEISTNER, M. Influence of the after-pulses of photomultiplier tubes in liquid scintillation counting, 22:51224

LEITCH, K. Aging behavior of Fe—30 Ni alloys containing niobium, 25:35499

LEITE, A. Types of steam turbines for dual-purpose nuclear centers, 25:44488 (LFEN-NI.-52-a)

LEITE, R. J. Atomic nitrogen in the upper atmosphere measured by mass spectrometers, 22:36854

LEITE, Richard J. Mass spectrometer for atmospheric composition at satellite altitudes, 23:45586

LEITE CINTRA, Sebastiao Hermano Fuel elements for Re—SuCo (oxide subcritical reactor), 22:49807

LEITEIZEN, L. G. Photoelectron multiplier FEU-77 for recording light pulses from opitcal quantum generators (lasers) in 700-nm range, 22:47423

LEITE LOPES, J. Role of the mass in the theory of fermions, 24:15503

LEITER, D. Apparent effect of photons in a wave-mechanical action-at-a-distance theory, 24:3486

Classical charged tachyons and their electromagnetic interaction, 25:27984

Dirac bispinor form of Maxwell's equations and hfs of relativistic H, 24:37597

Model hidden-variable theory for hydrogen, 23:18442

Quantum jumps as a continuous process in a wave-mechanical, delayed, action at a distance theory, 25:38600

LEITER, D. J. How important is steady-state cosmology to classical and quantum electrodynamics, 23:48695

Resolution of a theoretical energy paradox in classical electron theory, 24:40223

LEITER, Darryl Comment on the characteristic time of spontaneous decay in Jaynes's semiclassical radiation theory, 24:37203

Definition of radiation in Wheeler—Feynman electrodynamics, 24:20206

Limit cycle solutions of scalar model nonlinear field theory and Hartree quantum levels, 23:16910

Paradox of radiation from a uniformly accelerated point electron and a consistent physical framework for its resolution, 25:9709

LEITER, Darryl J. Classical elementary measurement electrodynamics, 23:42720

Prog. rpt. on bispinor form of Maxwell's equations, final, 10/64—4/65, 21:852 (AD-632417)

LEITER, Harry Scanning and recording means, 23:24443

LEITERITZ, F. Equipment set-up for back-scatter measurements using a single-channel pulse analyzer, 21:4723

LEITEZEN, L. G. Hodoscope systems in crossed fields, 24:33867 (IFVE-SEF-69-22)

LEITH, C. E. Hydrodynamics, 24:27267

LEITH, D. W. G. Baryon resonances in SU(3), 21:46576

Formation of resonant states in $K^-p \rightarrow$ anti KN between 780 and 1220 MeV/c, 22:5507

Pi^{+-} 4-prong interactions at 16 GeV/c, 21:44277 (SLAC-PUB-334)

Resonances and other partial waves in $K^-p \rightarrow \Sigma\pi$ between 780 and 1220 MeV/c, 21:17056

Study of the reaction $K^-p \rightarrow Y^*_1(1385) + \pi$ between 780 and 1220 MeV/c, 21:31531

LEITH, D. W. G. S. 4π mass enhancements in 16-GeV/c π^-p interactions, 22:50294 (SLAC-PUB-480)

Comparison of phase-shift analysis solutions to π^-p scattering data, 23:32750

Interaction (anti KN) from 800 to 1200 MeV/c. I, 23:10761

Interpretation of reaction K/sub L/^{0}p $\rightarrow$ K/sub S/^{0}p, 25:33736

New digitizing and memory system for wire spark chambers, 25:35016

Orbital-angular-momentum structure of the A_1 meson, 24:24366

Performance of the SLAC spiral reader, 24:39350 (SLAC-PUB-765)

Production of K_2^0 mesons and neutrons by 10- and 16-GeV electrons on Be, 23:25496
Reaction $\pi^- p \rightarrow \pi^- \pi^+ n$ at 16 GeV/c, 24:26376
Rho meson photoproduction from complex nuclei, 24:51894
Scanning system for rapid cycle bubble chambers, 24:48318 (SLAC-PUB-792)
SLAC large wire spark chamber spectrometer, 24:36616 (SLAC-PUB-754)
SLAC monochromatic photon beam, 23:44767
LEITH, J. T. Intracerebral temperature changes after x irradiation in the rabbit, 25:13575
Survival of epithelial cells after particle irradiation, 25:52229
LEITH, John T. Acute and prolonged chronic effects of mouse skin irradiation with accelerated heavy ions, 25:6769 (CONF-691106-, pp 140-50)
LEITH, John Thayer Effects of ionizing radiation on vertebrate, 23:33870
LEITHE, W. Analysis of air pollutants, 24:41214
LEITICH, J. Secondary α—deuterium isotope effects in diazetidine formation from azodicarboxylates and vinyl ethers, 23:43308
LEITIN, V. L. Formation of free radicals on low-temperature radiolysis of DNA, 23:9486
LEITL, I. Isomer of ^{139}Nd with a 29.7-min half-life, 22:27129
LEITNAKER, Frank C. Prog. rpt. on prevention and treatment of radiation injury, annual, 7/66, 21:24399 (AD-641880)
Research and clinical uses of whole-body counters, 22:43355
LEITNAKER, J. M. Anomalous heat capacity of uranium dicarbide, 21:1941 (ORNL-TM-1595)
Atmospheric contamination of uranium dioxide powder, 25:38006 (ORNL-4704)
Chemical effects of nuclear burnup on fast reactor fuels, 24:5687
Equilibrium N pressures and thermodynamic properties of UN, 22:21764
Fuel cladding/chemical interactions as applied to GCBR fuel rods, 25:32801
Ideality of UC—UN solid solutions, 22:31468
Influence of burnup on reactivity of oxide fuel with cladding, 25:41423
Kinetics of graphite—UO_2 reaction, 23:30164
Kinetics of the reaction of UC_2 and nitrogen from 1500° to 1700°C, 24:44766
Lattice parameter of U(C,N), 24:14955
Observations of fuel-cladding chemical interactions as applied to GCBR fuel rods, 25:44123 (ORNL-TM-3385)
Phase behavior of the U—V—C system and the thermodynamic properties and crystal structure of UVC_2, 24:34967
Producing advanced fuels for LMFBR's, 24:7129
Reaction of UC with nitrogen from 1475° to 1700°C, 25:753
Recent developments in pyrolytic-carbon-coated fuels, 25:40097
Review and analysis of phase behavior and thermodynamic properties of the plutonium—nitrogen system, 22:17176 (ORNL-TM-2106)
Role of carbon in reactions in U—C—O—N system, 24:4261 (ORNL-TM-2715)
Stabilization of nitride fuel by oxygen, 23:35074
System for vacuum treatment and N equilibration at 1200 to 2000°C, 23:24350 (ORNL-TM-2429)
Thermodynamic applications to (U,Pu)O/sub 2 +- x/ fuel systems, 23:24993 (ORNL-TM-2494)
Thermodynamic functions of nuclear materials, 21:11299 (ORNL-TM-1596(Rev.))
Thermodynamic properties of uranium carbides, 21:9228
LEITNAKER, James M. Equilibrium investigations of carbon-rich V(C,N) solutions, 24:14956
Formation of active C in twin-crucible studies of V(C,N), 23:34091
Method for preparation of carbonitride nuclear fuel materials, 25:49512
Phase behavior of U—V—N system and properties of UVN_2, 25:29989
Phase investigations in U—Cr—N system, 25:29988
Thermodynamic values for PuN, 23:27158
LEITNER, E. Axial-vector to vector coupling constant in $\Sigma^- \rightarrow ne^-$ anti ν decay, 23:32608
First results of lung function diagnostic methods in nuclear medicine, 25:19044
New fit of the parameters for Cabibbo's theory, 23:36825
LEITNER, Gordon F. Design, manufacture, and operation of saline water evaporator plants, 22:14623
LEITNER, J. Confirmation of the Ξ(1815) and evidence for a new Ξ resonance with mass 2030 MeV. 23:1592 (BNL-12808)
Determination of the K_1 - K_2 mass difference via the strangeness oscillation technique, 21:7469
Experimental review of SU(3), 22:13801
Lambda—proton interactions at high energies, 21:42261
Nonet 2^+ revisited, 23:14992
Precision measurement of Ω^- and Ξ^0 masses, 22:26573
Recent evidence for a charged nonstrange meson at approximately 975 MeV produced in K^-p interactions at 4.6 GeV/c, 23:1591 (BNL-12803)
Strange axial vector mesons and kinematic effects, 23:14991
LEITNER, Jack Experimentalist's view of SU_3, 21:7524 (N-66-28309)
Kinematic interpretation of low-mass $K\pi\pi$ enhancement in $Kp\pi\pi$ final states, 21:35311
Meson resonances, 21:18991
One-particle exchange and baryon resonances, 21:18914
Prog. rpt. on meson and baryon spectroscopy, 6/30/66, 21:13672 (AD-639664)
Spin and parity of the K^*(1420) meson, 21:25247
Study of Y_1^*(1660) and Y_1^*(1695) production in K^-p interactions, 22:20139
LEITNER, L. Phase equilibria in systems neptunium oxide/rare earth oxides (Ho, Er, Tm, Yb, Lu), 24:30040 (ORNL-tr-2313)
Phase equilibria in the systems neptunium oxide—rare earth oxides, 24:3037
Phase equilibria in U oxide—rare earth oxide systems, 23:22683
LEITNER, Lutz Quasibinary phase diagrams of thulium oxide—actinide oxide (ThO_2,UO_2,NpO_2,PuO_2) below 1700°C, 22:4890 (KFK-521)
LEITNER, Zbynek Rated parameters at power station A-1, 25:44021
LEITTEN, C. F. Converting UF_4 to U compounds, 21:30434
LEITTEN, C. F. Jr. Aluminum-base Eu_2O_3 control rods for HFIR, 21:38727
Characterization of U_3O_8 dispersions in Al, 21:13261 (ORNL-TM-1692)
Conversion of U clorides to urania, 21:19726 (ORNL-TM-1701)
High-purity shape casting with an electron-beam furnace, 21:30981 (ORNL-P-3133)
Irradiation behavior of Eu_2O_3—stainless steel dispersions, 21:31108 (ORNL-4104)
Lanthanum oxide neutron absorbers, 22:28883
Method for extruding molybdenum and tungsten, 22:2605
Method for producing tube shells, 21:26780
Method of preparing oxides for neutronic reactor control, 21:9218
Parameters for the production of refractory-metal tubing by the vapor deposition process, 21:9108
Production of refractory-metal tube shells by extrusion and flow-turning techniques, 21:9106
Protective cladding and lubricant for mechanically deformable reactive metals, 23:14299
Thermochemical deposition and evaluation of rhenium and tungsten—rhenium alloys, 21:14801 (ORNL-P-2745)
LEITZ, C. Neutron embrittlement of pressure vessel steels for water-cooled reactors, 25:52387 (A/CONF.49/P-393)
LEITZ, Chr Hardening of metals due to low temperature reactor irradiation, 21:30283 (BMwF-FBK-67-22)
LEITZ, Christof Measurements of the hardening of aluminum single crystals under low temperature reactor irradiation, 24:36943
LEITZ, E. E. Analog simulation utilized as aid in improving scram transient, 21:44892
LEITZ, Emil E. N reactor-WPPSS complex: operating performance, 23:37374 (DUN-SA-96)
N reactor-WPPSS complex: operating performance, 23:37428
N-reactor-WPPSS complex operating performance, 24:13492
LEITZ, F. J. Components for steam cooled reactors, 23:11263 (CONF-680419-, pp 303-25)
Experimental studies on PuO_2—UO_2 fuel for fast reactors, 22:49800
Status of steam cooled fast reactor technology, 22:16200
LEITZ, F. J. Jr. Fast reactor development in the US, 22:18502
LEITZ, W. Diode characteristics of high resistivity surface barrier silicon diodes, 22:47322 (UUIP-597)
g-factor of first excited state in ^{19}Ne, 23:8952
Half-life and g-factor measurement of an excited state in ^{79}Kr, 22:13958
Magnetic moment of the $^{7}/_{2}^{-}$ state at 1.29 MeV in ^{41}K, 23:28286
Pulse rise times of silicon surface barrier detectors, 21:24215
LEJAILLE, J. Basic function units and sub-assemblies for health physics, 24:14277
LE JANNOU, Jean-Pierre Improvements in a cold trap with a filter, 24:36021
LEJEUNE, A. Analysis of ^{6}Li(p,p) elastic scattering, 21:23416
Analysis of two resonances in ^{7}Be, 22:44609
Collision matrix for the reaction ^{6}Li(p,p)^{6}Li, 24:13286
Coupled channel calculations with complex eigenvalues, 25:15181
Coupled channels calculations with complex eigenvalues. II, 25:23078
Fine structure of doorway state in ^{207}Pb, 22:1671
Intermediate structure in a two-channel model, 22:30070
Relation between total and partial widths in nuclear reactions, 21:5591
Resonant state lifetime, 24:45830
Wave functions near resonance and R-matrix expansion, 24:52675
LEJEUNE, C. Energy spectra of charged particles emitted by a duoplasmatron type discharge, 23:34703
LEJEUNE, Claude Application of a simple discharge model to the interpretation of relative abundances of different types of ions extracted from an argon duoplasmatron, 22:5068
Two principle modes of discharge in a duoplasmatron source, 24:45672
Variation of pressures in ion source of duoplasmatron type, 21:31255
LEJEUNE, G. Excitation of the oxygen lines and ionospheric heating by conjugate photoelectrons, 22:24158
Laws relating electron temperature and density in F layer, 24:45143
Thermal coupling between upper F2 region and magnetosphere, 25:2956
LEJEUNE, Gerard Characteristics of plasma lines observed in France by a probe with Thomson scattering, 22:34439
LEJEUNE, J. Caryotypic analysis in four cases of accidental irradiation, 22:51549
LEJEUNE, S. Adaptation of medical installations to radioprotection standards, 24:21200
Electromechanical drive employing negative feedback for Moessbauer experiments, 22:28227
Natural linewidth of Moessbauer level of Sn/sup 119m/, 24:45364
Time-dependent Moessbauer effect spectrum in ^{119}Sn compounds, 24:50581
LEJSEK, K. Decrease in pethidine demethylating activity of isolated rat liver microsomes following whole-body x-irradiation, 25:27034
Electron-microscope picture of mitochondria of rat liver after whole body irradiation by 1400 r, 21:34772
Formation of organic peroxides in irradiated organism, 22:51480
Formation of oxidation products of unsaturated fatty acids in regenerating normal and whole body irradiated rat livers, 21:16296
Microsomal structural protein after x-irradiation, 25:39919
Oxidation products of lipids in liver mitochondria of irradiated rats, 21:14603
LEJSEK, Karel Electron microscopy of liver mitochondria isolated from x-irradiated rats, 24:31852
LEJUS, Anne-Marie Microhardness of the solid solutions zirconia—rare earth oxides, 24:14927
LEKAE, V. A. Structure of aquocomplexes of U(IV), 24:41294
LEKAS, M. A. Economics of producing shale oil, 22:48973
SLOOP, 22:4297 (PNE-1300)
LEKHT, E. E. Radio emission spectra of radio galaxies, 23:5194
LEKHTMAKHER, S. O. Distribution of neutrons from a Po—Be source in a hydrogenous medium, 24:51770
Measurement of radioactive aerosols, 25:6434
LEKIC, Alija Heat exchanger calculation on digital computer, 22:42948
LEKNER, J. Positive ion mobility in ^{3}He—^{4}He mixtures, 24:40030
Surface structure of liquid ^{4}He, 25:38287
Theory of vortex lines in liquid ^{4}He, 25:38286
LEKO, N. A. Absorption centers forming at low temperature in certain glasses of simple composition, 25:17270 (BNWL-tr-62)
Radiation effects on inorganic glass, 22:35837
LEKO, Robert W. Analysis of the transient flow of hydrogen in heated passages in the laminar-turbulent transition region, 21:14048 (N-66-35211)
Transfer functions for radiator dynamics in SNAP-8 system, 23:28579 (N-69-14503)
LEKOV, D. Ultrasonic decontamination, 21:43374
LEKSELL, Lars Cerebral radiosurgery. I, 23:50800
Histopathology of late radiolesions, 25:19124
LEKSII, G. A. Determination of $\pi\pi$ cross section from reaction of pion production in pion collisions with H at small momentum transfer, 21:31536
LEKSIN, G. A. Determination of sign of amplitude for $\pi^+\pi^-$ scattering, 23:3648
Experimental investigations of the π—π interaction, 25:47751
Investigation of $\pi^+\pi^+$ interaction at low energy of the dipion state, 24:8569
Investigation of the reaction $\pi^- + p \rightarrow \pi^- + \pi^+ + n$ at 1.3 GeV/c in order to obtain the pion—pion interaction cross section, 21:33615
Ionizing potential of charged particles in spark chambers, 23:45553
New data on the interaction of high-energy protons with carbon nuclei, 21:17306
Phase of $\pi\pi$ scattering in state with T = 0 and T = 2, 22:52921
Possibility of measuring ionization capacity of particle in spark chamber with small gaps, 23:24461 (CERN-Trans-68-16)
Precision of the reconstruction of particle trajectories in a spark chamber, 21:1598
Protons emitted at 137° by nuclei under bombardment with protons of several GeV, 21:29896
Spark chamber, 22:10607
Use of spark chambers for investigating the characteristics of charged particle beams, 24:27415
LEKSINA, I. E. Correlation of critical superconducting transition temperature with conduction-electron concentration, 24:15222
Optical properties of cubic niobium—titanium alloys in the visible and near-infrared spectral regions, 25:7490
Optical properties of dilute tungsten—rhenium solid solutions, 21:20509
Optical properties of niobium, 23:14921
Optical properties of niobium—titanium superconducting alloys, 25:7350
Optical properties of superconducting technical alloys of niobium with titanium, 21:35121
LELAIT Availability and reliability of alternative power supply circuits for reactor instrumentation at CEA, 25:41438 (EUR-4517, pp 179-99)
LELAIT, R. Control of fast breeder Rapsodie, 21:10133 (EURFNR-102-F)
LELAIT, Roland Aspects of drive-control of "Rapsodie", 21:35755
LELAKOWSKA, Krystyna Calculations of the drift velocity of fully ionized gas in magnetic field, 23:39444
LELAND, W. T. Asymmetries in deuteron scattering from a polarized ^{3}He target, 25:5515 (LA-4465, pp 14.1-2)
Asymmetries in deuteron scattering from polarized ^{3}He target, 25:53563
Asymmetries in protons from reaction of deuterons with polarized ^{3}He target, 25:53573
Asymmetries in protons from the reaction of deuterons with a polarized ^{3}He target, 25:5524 (LA-4465, pp 32.1-2)
Deuteron scattering from polarized ^{3}He, 25:12358
Levels of ^{42}Ca and ^{44}Ca as observed in reactions ^{40}Ca(t,p) and ^{42}Ca(t,p), 22:9833
Levels of ^{88}Sr from the ^{86}Sr(t,p)^{88}Sr reaction, 25:5615
Reaction ^{3}He(d,p)^{4}He proton asymmetry, 25:12357
Search for a ^{4}Li state at 10.6 MeV in the elastic scattering of protons by ^{3}He, 21:19168

LELANNE, Dominique Measurement of the cross section for electron—positron scattering at high energy and the validity of quantum electrodynamics, 24:49569 (LAL-1235)
LELE, S. X-ray diffraction from alpha uranium crystals with stacking faults, 25:40057
LELE, Shrikant Deformation faulting in Ti, Zr, and Hf, 22:699
  X-ray study of cold work and recovery in some hcp metals and alloys, 21:32884
LELEK, I. Contributions to osteoradionecrosis, 23:31983
LELEK, Imre Pathological fracture of the femoral neck secondary to late irradiation necrosis, 22:21621
LELEK, V. Flux flattening by means of a non-uniform fuel distribution in a slab reactor with finite reflector, 21:21775 (UJV-1660)
  Flux flattening by means of non-uniform fuel distribution in a slab reactor with finite reflector, 21:5618 (JINR-E4-2939)
  Flux flattening in heterogeneous reactor, 22:7909 (JINR-P4-3580)
  Flux flattening in reactor by non-uniform fuel distribution, 22:7910 (JINR-P4-3581)
  Nucleon—nucleon potential for isotopic triplet state, 24:20445
  Nucleon—nucleon potential with a soft core, 25:7914
LELEKOVA, M. V. Determining the activation energy of formation of smoky centers in synthetic quartz containing aluminum, 23:32569
LELENTAL, M. Dynamics of the solid phase in the rotary kiln, 24:25219
LELEU, C. Argon plasma generator with electron density within the range 5×10^{14} to 5×10^{17} cm^{-3}, 25:14335
LELEU, R. Comparative study of the kestner falling-film evaporation process in the desalination of seawater, 25:8159 (ORNL-tr-2404)
LELEUX, Achille Electron probe microanalysis of highly radioactive materials, 25:4011 (CEA-N-1340)
LELEUX, G. Behavior of ACO (Orsay collision ring) beam in vicinity of the linear coupling resonance $\tau(x)—\tau(z) = k$, 22:11831
  Influence of coupling resonances 2τ/sub z/$^{+-}\tau$/sub x/ = integer on mechanism of third resonance ejection, 25:5460 (NP-18517)
  Influence of linear coupling on radiation damping and equilibrium beam sizes in electron storage ring, 21:29744
  Shifts in betatron frequencies due to energy spread, betatron amplitudes, and closed orbit excursions, 22:32326 (CEAL-2000, pp A63-5)
LELEUX, P. Elastic and inelastic scattering of α particles on ^{20}Ne and ^{22}Ne, 25:36697
LE LEVIER, Marie-Genevieve In-service rupture of pipes and pressure vessels of nuclear reactors, 24:26750 (CEA-Bib-79(Add.1))
  Rupture of tubes and pressure vessels of nuclear reactors, 22:3816 (CEA-Bib-79)
LELEVIER, R. E. Artificial heating of ionosphere, 25:7267
  Galactic x rays: variable sources in hydromagnetic waves, 22:36677
  Heating the F region by deviative absorption of radio waves, 25:7265
  Ion chemistry governing mesospheric electron concentrations, 22:13333
  Modification of the ionosphere by radiowaves, 23:51450 (AD-689662)
LELEVIER, Robert Lectures on hydrodynamics and shock waves, 21:23050 (UCRL-4333(Rev.1))
LELEYTER, M. Study of second order aberrations of an ionic microanalyzer and other systems intended to filter broad images, 25:38822
LELI, A. G. New method of interpreting gamma-logging diagrams using a digital computer, 25:21191
LELIEVELD, P. Response of a poorly reoxygenating mouse osteosarcoma to x-rays and fast neutrons, 25:52198
  Survival of colony-forming units in mouse bone marrow after in vivo irradiation with D—T neutrons, x-, and gamma radiation, 25:42601
LELIEVRE, Bernard Spectrophotometric determination of Al and Sn in U alloys, 22:50924
LELIEVRE, D. Influence of the nature of the electrolyte on the polarographic behavior of rare earths, 25:23512
LELIEVRE, G. Identification and photometry of radiosources of revised 3C Catalogue. I, 25:22285
LELIEVRE, P. Influence of sulfur-containing radioprotectors, 24:14527
  Metabolic effects of sulphur-containing radioprotective drugs, 25:4595
  Protective effectiveness of S-containing substances and O uptake in rat, 22:4657
LELL, E. Radiation effects on complex glasses, 21:40099
LELL, Eberhard Radiation effects in quartz, silica, and glasses, 22:26095
LELLOUCH, J. Estimation by the maximum likelihood method of survival curves of irradiated microorganisms, 23:953
LELLOUCHE, G. S. Effect of spatial shape on stability, 21:38537
  Location of higher spatial harmonic stability criteria, 23:9226 (BNL-13053)
  Xenon global stability, 21:42774
  Xenon stability in boiling water reactors, 23:37465
LELLOUCHE, Gerald Reactor kinetics research at BNL, 22:27478 (BNL-12390)
LELLOUCHE, Gerald S. Mathematical methods in nuclear reactor dynamics, 25:46335
  NOAH, 23:45124 (BNL-50157)
LELONG, Claude Kinetics of $\alpha—\beta$ phase change in U alloys, 25:2741
LELONG, J. C. Research on low molecular weight ribonucleic ribosomic acid isolated from mammals, 21:47053 (LA-tr-67-90)
LELONG, Jacques Coupled-inductance level indicator for liquid metals, 22:23391
LELONG, P. Relation between structure of Zircaloy 2 and its corrosion behavior in steam, 24:36866 (WAPD-Trans-130)
  Structural constitution of Zy-2 and its corrosion behavior, 24:14648
  Structure of Zircaloy-2 and its resistance to corrosion by steam under pressure at 400 deg C, 21:14855
LELONG, Pierre Improvements in or relating to the electrolytic etching of zirconium and zirconium-base alloys, 21:24722
LELOTTE, H. Gas—liquid radiochromatography, 24:25288
LELOUP, C. Containment of a pulse-heated plasma in an octopolar minimum-B configuration, 25:38362 (CONF-710607-90)
  Electromagnetic instabilities in a slightly relativistic plasma, 25:56228 (CEA-CONF-1806)
  Electrostatic instabilities in a two-component anisotropic plasma, 25:59061 (CEA-CONF-1828)
  Growth rate calculations for electron—electron modes with pressure anisotropy and cold plasma, 24:42737
  Growth rate of electrostatic waves in an anisotropic medium, 24:42720 (EUR-CEA-FC-541)
  Growth rates of electrostatic waves in medium with or without cold plasma, 25:14384
  Impulsion heating of plasma in Bille-en-Tete experiment, 22:1139 (LA-3770, Paper E1)
  Instabilities and cyclotron wave excitation in a hot electron plasma, 23:46494 (CEA-CONF-1309)
  Interaction between plasma flow and a magnetic barrier, 23:12815
  Microinstabilities in a confined hot-electron plasma, 23:32464
  Microinstabilities in a plasma of confined hot electrons, 23:16829 (CEA-CONF-1006)
  Multigrid energy and mass analyzer for plasma diagnoses, 23:32352
  Plasma flow on BSG-II device, 24:6529
LELOUP, Christian Results obtained from "Bille en Tete A" experiment. I and II, 21:9559 (CEA-R-3000)
LELOUP, J. Device for triggering gas detector of nuclear particle, 22:19159
  New developments in gas filled image intensifier detectors for x and gamma rays, 22:40425
  Nuclear particle detector of the gas type, 23:4809
LELOUP, Jean Device for controlling the sparking in a spark chamber, 25:37643
  Device for triggering a nuclear particle detector of the gas type, 22:28172
  Gas-filled spark chamber radiation detector, 25:34876
  Method of spark control and systems for the utilization in spark chambers, 23:2646
  New types of spark-chambers for imaging γ or x emitters, and their medical applications, 22:37973 (CEA-R-3320)
  Particle detector, 22:2385
  Particle detector, 25:37601
LEM, P. N. Cesium-137 concentrations in Eskimos, Spring 1968, 24:34234
LEMAIRE, A. Transport coefficients in the chromosphere and coronal gas. II, 23:27307
LEMAIRE, D. Diffusion of particles in presence of simultaneous vlf and ulf electromagnetic waves, 25:16960
LEMAIRE, F. Kinetics of radiation grafting of polyester—acrylic acid systems, 24:13932
  Technology and economy of radiochemical grafting in vapor phase applied to textiles, 24:11545 (CEA-CONF-1414)
LEMAIRE, G. Yield of hydrogen peroxide in aerated acidified water exposed to tritium β rays, 25:10636
LEMAIRE, H. Application of photoelectron spectroscopy to chemical analysis, 25:18338 (CEA-CONF-1725)
  Free radicals produced by gamma irradiation in bicyclo[2,2,1]heptane, 25:10637
LEMAIRE, J. Effects of perturbative forces on the motion of charged particles in a dipolar magnetic field, 22:13614
  Irradiation embrittlement of nickel, 22:28881
  Model of the polar ion exosphere, 24:17827
  Simple model for an ion exosphere in an open magnetic field, 25:43222
  Transport coefficients in the chromosphere and coronal gas. I, 23:8407
LEMAIRE, Joseph Electric field of polarization in the ionic polar exosphere, 24:19806
LEMAIRE, L. Co-precipitation of $\gamma'(Ni_3Al)$ and α-Cr in a nickel-base alloy, 25:35502
LEMAIRE, M. C. Evidence for the 2p—1t states in ^{17}O by the double stripping reaction on ^{15}N, 25:17754
  Liquid tritium target, 23:49264
  Proton-pair correlation in Ti and Cr low-lying excited states, 25:36709
LEMAIRE, M.-C. Intensity of (2p—1t) component in excited states of ^{17}O, 24:3850 (CEA-CONF-1333)
  Investigation of (2p-1t) of ^{29}Si by means of reaction $^{27}Al(^3He,p)^{29}Si$, 24:3877 (CEA-CONF-1334)
LEMAIRE, Marie-Claude Excited states of ^{17}O and ^{29}Si, 25:20271 (NP-18628)
  Study of reaction $D(d,n)^3He$ at 27.5 MeV, 23:37104
LEMAIRE, P. High-resolution balloon spectra of the sun. II, 23:20628
  Stigmatic balloon spectra of solar Mg II doublet, 22:11133
LE MAIRE, Patrick About the SO(3,2) group as group of space—time symmetry, 24:15623
LEMAIRE, R. Crystal structures of intermetallic compounds of Ni, 23:43982
  Crystalline structures of the intermetallic compounds T_2Co_7 and TCo_3 (T = rare earth or Y), 21:4961
  Crystalline structures of the intermetallic compound (Gd/sub 2/3/2Fe/sub 1/3/)Fe_2, 25:8891
  Crystallographic structure of the intermetallic compounds T_3Ni, T designating a rare earth metal or yttrium, 22:49759
  Magnetic behavior of cobalt and of nickel in compounds with rare earth metals, 22:15598
  Magnetic properties and magnetic structures of the TCo_5 intermetallic compounds, where T is a rare earth metal or Y, 22:24392 (CONF-670502-, pp 295)
  Magnetic properties and magnetic structure of compound ErAl, 22:50230
  Magnetic properties and magnetic structures of TmAl, 23:8653 (CONF-681020-(Vol.1), pp 123-35)
  Magnetic properties of definite compounds of Co and rare earth metals, 22:13001 (CONF-661216-2)
  Magnetic properties of intermetallic compounds of Co with rare earth metals or Y. I, 22:9480
  Magnetic properties of intermetallic compounds of Co with rare earth metals or Y. II, 22:9479
  Magnetic properties of intermetallic compounds of cobalt with rare-earth metals, 23:5467
  Magnetic properties of iron compounds with Y, Lu, and Gd, 25:47653
  Magnetic properties of some rare earth—aluminum alloys, 22:15600
  Magnetic structure of Er_3Co and Er_3Ni, 24:26334
  Magnetic structure of intermetallic compounds $CeCo_3$ and $TbCo_3$, 21:24773
  Magnetism of rare earth alloys, 25:1331
  Metallic alloys and exchange-enhanced paramagnetism: application to rare-earth—cobalt alloys, 25:1326
  Polymorphism of the compound TbNi, 24:39662
  Study of magnetic structure of compound TbAl by neutron diffraction, 22:34803
LEMAIRE, Remy Anisotropic interactions in rare-earth intermetallic compounds, 24:24149
  Crystalline structure of the compound DyAl, 21:24783
  Crystalline structures of Tb—Ni, 25:32729
  Crystallographic and magnetic properties of compounds of cobalt and lutetium, 25:36318
  Magnetic properties and magnetic structure of the compound HoAl, 22:37055
  Magnetic properties and magnetic structures of rare earth—Ni equiatomic compounds, 25:5209
  Magnetic properties and structures of DyAl-type compounds of Al and rare earth metals, 25:5208
  Magnetic properties of intermetallic compounds of formula T_3Al_2 between Al and the rare earths, 23:3601
  Magnetic properties of R_3M compounds of rare earth and transition metals, 25:5199
  Magnetic structure of $TbNi_5$, 24:35556
  Metamagnetic properties of the compounds Tb_3Al_2 and Dy_3Al_2, 22:52896
LE MAISTRE, Negre Visceral fibrous dysplasias in the Antilles population, 21:14747
LEMAITRE, J. Cyclic variation of volume of the heart, 25:26566 (CEA-CONF-1711)
LEMAITRE, Jacques Apparatus for embedding samples in a metal alloy, 25:44490
LE MAITRE, R. Study of d—^4He elastic scattering by the method of resonance groups, 22:46714
LE MAITRE, Roger Excited level at 2.19 MeV of ^6Li, 22:18125
LEMAN, E. P. Effect of multiply scattered γ-radiation in the x-ray radiometric method, 25:28939
  Effective atomic number of elements and of complex media for low-energy gamma radiation, 24:39826
  Geometric inversion and its utilization in x-radiometric and gamma—gamma method, 25:34904
  Use of emission peaks of xenon proportional counters for x-ray-radiometric determination of tungsten in ores, 25:20931
LEMAN, G. High-pressure cell for simultaneous electrical resistance measurements on two samples in separate circuits, 22:43151 (FOA-4-4361-23)
  High-pressure properties of U and other actinides, 24:46712 (FOA-4-4434-23)
  Radiation induced transient effects in diodes, 25:6596 (FOA-4-4439)
  Theory of transient radiation induced diffusion currents in semiconductor diodes, 22:8428 (CONF-670708-4)
LEMAN, G. A. Isotopic exchange of certain lanthanides in systems which contain ethylenediaminetetraacetic and diethylenetriaminepentaacetic acids, 23:40673
  Solvation of UO_2Cl_2 by TBP, 25:37390
LEMAN, J. D. Maintenance of radioactive sodium systems at EBR-II, 25:5987
  Operating experience with sodium pumps at EBR-II. EBR-II Project, 25:57028 (ANL-EBR-27)
LE MANACH Gaseous ultracentrifuge for the separation of the uranium isotopes, 23:26453 (CEA-CONF-1269)
LE MANACH, Jean Gas sampling device for ultracentrifuges, 25:48743
LEMANSKA, M. Fast breeder Doppler effect investigations in Israel, 22:18514
  Investigation of material replacement problems by the perturbation method, 21:23718 (IA-1112)
  Modern fast reactor cross section systems, 22:13900 (IA-1144)
  Modern fast reactor cross section systems, 22:53379
  Multigroup diffusion perturbation ALTAC code for Philco-2000 computer, 21:23744 (IA-1069)
  Multigroup transport perturbation ALTAC code for Philco-2000 computer, 21:25626 (IA-1105)
  Solution of multi-dimensional, multigroup diffusion equation using Lie series method bare reactor, 25:60233
  Theory of a one-dimensional bare reactor, treated by the Lie series method, 23:37689 (IA-1187)
  Theory of one-dimensional bare reactor, 23:43197
LEMANSKA, Miriam Solution of one-dimensional, multi-zone, multi-group diffusion equation using Lie series method, 25:12855
LEMARCHAND, G. Position sensitive detectors associated with a Buechner spectrometer, 23:14023 (CEA-CONF-1228)
LEMARCHAND-BERAUD, Th. Radioimmunoassay for human plasma thyrotropin, 24:44397
  Relationship between human chorionic somato-mammotropine hormone and thyrostimuline in biological and radioimmunological assays, 23:33588

LEMARECHAL-DUPUIS, Annick Contribution to the study of thermal diffusion in isotopic mixtures of hydrogen, 24:9596 (CEA-R-3598)
  Photoelectron spectroscopy, 24:9704 (CEA-Bib-158)
LE MARNE, A. E. Comparison of radio and optical observations of the 30 Doradus Nebula, 23:34135
  Electron temperature of planetary nebula IC 418, 24:27924
  High resolution observations of the 30 Doradus Nebula at 408 MHz, 22:36696
LEMARQUAND, G. Multi-slit collimator and a focused collimator for a 127-mm-diameter crystal, 23:33451
LEMARQUIS, Jean-Claude Process for measuring compressive stresses, 25:48707
LEMASSON, Jacques Concrete pressure vessel for a reactor, 25:1887
LEMAY, Marjorie Radiological diagnosis of occult normal-pressure hydrocephalus, 24:44563
LEMBARES, N. Effects of scattered radiation on scintillation detector response, 23:606 (ACRH-1000-79)
  Effects of scattered radiation on scintillation detector response, 23:33429
  Effects of scattered radiation on scintillation detector response, 23:35786 (ACRH-31, pp 25-44)
LEMBARES, Nicholas Use of lithium-drifted germanium detectors for clinical radionuclide scanning, 25:13487
LEMBERG, A. A. State of organs of gastrointestinal tract in macaco monkeys in acute radiation sickness, 21:32691
LEMBERG, I. Kh. Angular correlation of inelastic scattering ions and γ quanta emitted by Coulomb excitation of ^{97}Mo, ^{105}Pd, and ^{135}Ba, 21:44707
  Angular distribution of gamma radiation from Coulomb excitation of ^{65}Cu, ^{93}Nb, ^{105}Pd, and ^{117}Sn, 21:29936
  Biosynthesis of vitamin A from carotene by activation of ^{18}O, 21:28376
  Coulomb excitation of ^{105}Pd, 23:17117
  Coulomb excitation of ^{18}O, ^{41}K, ^{45}Sc, and ^{51}V, 23:17080
  Coulomb excitation of light nuclei at energies above the barrier, 21:44618
  Coulomb excitation of nuclear levels ^{53}Cr, ^{57}F, ^{59}Co, ^{61}Ni, ^{91}Zr, ^{92}Zr, ^{94}Zr, ^{111}Cd, ^{121}Sb, ^{123}Sb, and ^{123}Te, 23:25857
  Coulomb excitations of lower levels in the isotopes ^{204} ^{206} ^{207}Pb and ^{209}Bi, 21:2742
  Determination of ^{18}O content by means of detection of γ quantum emitted from ^{18}O(α,nγ)^{21}Ne reaction, 21:8211
  E2 transitions between 0^+, 2^+, and 2_2^+ states in even—even nuclei, 24:1893
  First 2^+ and 3^- states of spherical nuclei, 24:38367
  Investigation of the Coulomb excitation of light and medium nuclei at overbarrier energies, 21:44626
  L-forbidden magnetic dipole transitions and magnetic moments of odd spherical nuclei, 23:10989
  Magnitude of reduced magnetic dipole transition probabilities in ^{165}Ho, 22:9866
  Probabilities of l-forbidden M1 transitions and magnetic moments of odd spherical nuclei, 22:39708
  Quadrupole moment of first excited state in ^{114}Cd, 24:49915
  Quadrupole moment of the ^{114}Cd nucleus in the first excited state, 24:52610
  Studies of ^{149}Sm levels by Coulomb excitation, 22:39665
  Studies of Coulomb excitations of ^{21}Ne and ^{29}Si above barrier energies, 23:17102
LEMBERG, P. Effects of interspersed water moderation on subcritical arrays of 3.5 wt. percent pellet containers, 24:7193
LEMBERG, V. K. Concerning pathologic anatomy of affection with ^{237}Np, 23:26900
  Content and microdistribution of ^{239}Pu and morphological changes in lungs of rats intratracheally administered this isotope, 23:22165 (AEC-tr-6944, pp 122-30)
  Effect of additional pathological factors on long-term consequences of ^{239}Pu poisoning, 23:22386 (AEC-tr-6944, pp 484-92)
  Pneumosclerosis in rats after intratracheal administration of soluble ^{239}Pu compounds, 23:31932
  Remote sequelae of radiation damage, 25:24225 (AEC-tr-7195, pp 439-58)
  Tumors in rats treated with pentacin after injection of ^{239}Pu, 23:2874
LEMBO, G. Contamination of air resulting from the resuspension of surface contamination, 25:32413
  Control of contaminated air in a reactor fuel element fabrication plant, 25:8695
  Measurement of intensity of natural gamma exposure, 25:374
  Measuring of artificial α-emitters in presence of natural α activity, 25:54762
  Studies on natural background radiation in Italy, 25:29205
LEMBRA, J. Focusing of particles in an accelerator with stable adjoining trajectories, 24:30631
LEMBRA, Yu. Calculation of the envelope of the trajectory of particles in the strong focusing accelerator with straight sections, 22:46650
  Linear theory of the external injection in the cyclotron with sectioned magnetic system, 21:2564
LEMBRA, Yu. Ya. Simplification of the procedure of calculating of the trajectory envelope in the particle accelerators, 21:29684
LEMCKE, Ruth M. Immunochemical analysis of mycoplasma pneumoniae. III, 23:38397
LEMCOE, M. M. Characteristics of LMEC electrical resistance strain gages utilizing Armour D alloy, 24:41709 (LMEC-70-8)
  Characteristics of two commercial high-temperature electric resistance strain gages, 21:36427 (NAA-SR-12118)
  High-temperature electric-resistance strain-gage sensors, 22:12673 (ANL-7380, pp 79-90)
LEME, M. P. T. Decay constant for spontaneous fission of ^{238}U, 25:20429
LEMEE, J. C. Contamination of shrimps by ^{137}Cs, 25:49124
LE MEHAUTE, B. J. Hydrodynamic effects of nuclear explosions. V, 22:35960 (AD-661453)
  Hydrodynamic effects of nuclear explosions. I, 22:35958 (AD-661451)
  Hydrodynamic effects of nuclear explosions. III, 22:35959 (AD-661452)
LE MEHAUTE, Bernard Oscillations of harbor of arbitrary shape and variable depth and Amchitka field experiments, 24:9535 (NVO-289-5)
  Run-up of nonbreaking waves, 22:10417 (NVO-289-1)
LEMEILLE, C. Analysis of spectra of α particles in reactions d + ^{7}Li = n + 2α and ^{6}Li + t = n + 2α, 21:25463
  Reaction ^{11}B + p $\rightarrow$ 3α at E/sub p/ = 7.18 MeV, 21:23423
LEMEILLE, Claude Angular distribution of α_0 particles emitted during reaction d + ^{10}B $\rightarrow$ α_0 + ^{8}Be, 22:18149
LEMEILLEUR, F. (p,2p) reactions at 600 MeV, 25:56711
  Reactions (p,2p) at 600 MeV, 24:52439
  Spark chambers with magnetostrictive readout, 24:36621
  System of sonic spark chambers, 21:3271
LEMENT, B. S. Diffusion barriers for use in protective coating systems for tungsten and molybdenum, 21:9152
  Tensile ductility-transition in molybdenum, 23:48409
LEMER, Jacques Improvements in a sealing plug, 23:21874
  Reinforcement member for shielded enclosure, 23:21875
  Shielded enclosure with rotary manipulator, 21:39095
LEMERCIER, Daniele Position sensor, 24:2521
LEMERCIER, Pierre Position sensor, 24:2521
LEMERIE, M. Y. Specific heat of neutron irradiated graphite between 1.4 and 4.4°K in presence of a variable magnetic field (0 to 40 kGs), 25:59148
LEMERLE, J. Actinomycin D and radiation therapy in Wilms' tumor, 24:27651
  Spleen scanning and anatomical examination of spleen in Hodgkin's disease, 23:33762
LEMESHKO, A. M. Electro-erosion resistance of refractory carbides within corresponding ranges of homogeneity, 25:58356
  Laws of electric spark fracture of refractory metals and their compounds with carbon boron, 25:16566
LEMESLE, G. Core structure for solid moderator nuclear reactor, 22:14323
  Nuclear reactor fuel elements reloading apparatus, 22:12070
  Nuclear reactor loading machine, 22:10112
  Nuclear reactor refueling facility, 22:10114
  Nuclear reactor refueling system, 22:10113
LEMETAYER, Jean Improvements in cutting-machines, 24:44164
LE MEUR, R. Measurement of the energy of gamma radiation from ^{134}Cs, 25:39028
  Monts d'Arree nuclear power station: EL-4, 23:40299
  Program for calculation of fission-product activity: calculated activity and experimental identification, 24:52643 (CEA-N-1308)
  Radioactive characteristics necessary for studying fission products: beta radiation and conversion electrons, 25:10023 (CEA-N-1372)
  Reactor fuel burst can detection, 23:37547
LE MEUR, Roger Burst can detection system for nuclear reactor, 23:9185
  Changes in uranium dioxide samples after can rupture, 22:18583 (CEA-R-3329)
  Detection and location of can rupture in reactors cooled by a flow of water, 23:17194 (CEA-R-3654)
  Detection of fission products in carbon dioxide by instantaneous ion collection, 22:47317 (CEA-R-3511)
  Measurement of ^{86}Rb gamma ray energies, 25:38920 (CEA-N-1444)
  Measurement of thermal neutron flux using air activation, 22:18585 (CEA-R-3338)
  Thermal neutron flux measurements using neutron-electron converters, 23:17745 (CEA-R-3697)
LE MEZEC, J. Propagation of waves in a plasma-filled guide in presence of a magnetic field, 21:2264
LEMEZIS, S. Moisture separator-reheaters for nuclear power plants, 24:18534
LE MIGNANT, A. Sn—/sup 113m/In tracers in scintigraphies, 25:13501
  Use of Sn—/sup 99m/Tc for cartography of lungs by perfusion, 24:6078
LEMINEN, E. Stopping power of Al, Zn, and In for 0.6 to 2.4 MeV protons, 23:3275
LE MING TRIET Relation between the amplitude and rise time of the sudden commencement of geomagnetic storms, 22:41501
LEMIRE, F. Reaction D(^{3}He,γ)^{5}Li from 2 to 11 MeV, 22:44601
  Reduction of cosmic ray background in a NaI crystal with a Cherenkov anticoincidence shield, 22:23279
LEMKE, B. J. EDIT: FORTRAN IV Level H program to punch, print, and plot selected portions of an ENDF/B data tape, 22:6209 (NAA-SR-12525)
LEMKE, D. Synchrotron radiation of the 6-GeV DESY machine as a fundamental radiometric standard, 21:29701
LEMKE, K. Choice of the optimum size of devices for continuous density measurements by gamma-ray transmission technique, 22:45342
LEMKEY, F. D. Nickel and cobalt eutectic alloys reinforced by refractory metal carbides, 25:49560
  Structure and properties of Ni_3Al (γ') eutectic alloys, 23:22568
LEMLEY, J. R. High resolution fission cross section of ^{235}U from 20 eV to 100 keV, 25:20418
  Proposed ultra-low temperature polarized target for use with single-burst neutron sources, 25:5451 (LA-4465, pp 8.1-2)
  Proposed ultra-low temperature polarized target for use with single-burst neutron sources, 25:53478
  Underground nuclear explosion as a polarized neutron source, 25:5475 (LA-4465, pp 7.1-2)
  Underground nuclear explosion as a polarized neutron source, 25:53509
LEMLICH, Robert Principles of foam fractionation, 23:13841
LEMMEL, H. D. Fission and absorption g-factors of ^{241}Pu, 21:31803
  Neutron data compilation at International Atomic Energy Agency, 23:5770
LEMMER, R. H. Analysis of analog-state resonances by coupled optical equations, 21:4249
  Applications of resonance scattering theory in nuclear physics, 22:9944
  Calculation of the pion—nucleus optical potental, 25:59516
  Intermediate structure and doorway states in nuclear reactions, 21:19314
  Isospin polarization in the nuclear many-body problem, 24:20457
  Nuclear reactions, 21:19325
  Nuclear scattering in the random phase approximation, 22:37388
  Nuclear structure effects in nuclear reactions, 24:20442
  Retarded interactions in Fermi systems, 22:11979 (IPNO/TH-100)
  Retarded interactions in Fermi systems, 22:14103
  Retarded interactions in Fermi systems. II, 23:52186
  Use of truncated Hilbert space in nuclear reaction calculations, 23:7343
LEMMER, Richard Quasimolecular structure in elastic ^{16}O + ^{16}O scattering, 24:40559
LEMMLEIN, C. G. Shift of liquid inclusion in a crystal in the direction of heat source, 22:6245 (WAPD-Trans-78)
LEMMLEIN, G. G. Deposition of crystalline substance on walls of liquid inclusion, 22:7981 (WAPD-Trans-80)
LEMMON, E. C. Prediction of aerodynamic heating of fins on re-entry vehicles, 25:48417 (SCL-RR-710056)
LEMMON, R. M. Low energy ion accelerator for hot atom chemical research, 24:38019
  Role of detrapped electrons in the radiolysis of crystalline choline chloride, 25:39536
LEMMON, Richard M. Hot-atom chemistry of ^{14}C in solid benzene at kinetic energies between 5 and 100 electron volts, 25:54703
  Hot-atom chemistry of ^{14}C$^+$ in benzene, 23:45361
  Identification of products formed by irradiation of solid benzene with ^{14}C$^+$ ions, 21:45148 (UCRL-17520, pp 15-17)
  Partial degradation of 1,3,5-cycloheptatriene-^{14}C obtained from hot-atom, photolytic, and thermal reactions, 25:54702
  Product inventory of the radiolysis of crystalline choline chloride, 21:42975
  Production of cysteic acid, taurine, and cystamine under primitive earth conditions, 21:4431 (UCRL-16806, pp 42-3)
  Radiolysis of crystalline choline chloride, 21:45147 (UCRL-17520, pp 11-14)
  Reactions of accelerated carbon ions and atoms with benzene, 23:45360
  Search for radiation deaminations in DNA, 21:10390
  Study of the ring degradation of toluene-1-^{14}C, 21:2937 (UCRL-16806, pp 54-7)
LEMMONS, John L. Tabulation of fission nuclides vs selected time periods after fission, 23:19257 (SC-M-68-827)
LEMNE, M. Radioactive elements in crystalline formations of the Eastern Carpathians, 22:42860
LE MOIGNE, A. Electron microscopic study of the development of x-irradiated embryonic planarian structures, 22:40928
  Embryonic development and regeneration in the embryo of planaria P. nigra, 21:28648
LEMOIGNE, L. Matter—energy in the ultimate particles, 23:51874
LE MOIGNE, M. L. Neutronics, 22:27500
LEMOINE, A. Velocities of particles of a refractory material injected into an arc plasma jet, 25:28859 (LA-tr-71-27)
LEMOINE, M. Fast logic for processing of high-energy physics information, 23:47816
LEMOING, Pierre Rene Support for charge—discharge machine for nuclear reactor, 22:18630
LEMON, Paul C. Radioecological surveillance of waterways, 23:45684
LEMON, R. B. Nuclear reactor containment system, 23:37845
LEMON, R. F. Gasbuggy reservoir evaluation, 24:20926 (PNE-G-54)
  Status of reservoir evaluation, Project Gasbuggy, 23:492 (PNE-G-13)
LEMONICK, A. Comparison of the K^+ and K^- decay rates into the tau and K/sub μ2/ modes, 21:29432
LEMONS, J. F. Improved molten salt EMF cell, 22:1924 (LA-3733)
  Some observations on the chemistry of uranium and plutonium in anhydrous acetic acid, 21:40833
LEMONS, Joe Fred Structure in liquid Au—Cd and Ce—Cd solutions, 21:491 (LA-3526)
LEMONTT, Jeffrey F. Mutants of yeast defective in mutation induced by ultraviolet light, 25:55187
LEMONTT, Jeffrey Fielding Genetic control of mutation induction in Saccharomyces cerevisiae, 24:53075 (UCRL-20115)
  Genetic control of mutation induction in Saccharomyces cerevisiae, 25:57976
LEMOVA, M. A. Effect of adrenalectomy on the excretion of thymidine and deoxyuridine by γ-irradiated rats, 22:28655
LEMPERIERE, G. Secondary emission in water produced by electron bombardment, 25:24851
LEMPERIERE, Georges Secondary emission from water under electron bombardment, 24:44978
LEMPERT, G. D. Total cross section for He—Ar, Ne—Kr, and Ne—Xe scattering, 25:16829

- LEMPICKI, Andrzej Postirradiation fractures of femur, 24:34729
- LEMSTRA, W. Radioprotection by hypoxia and some chemical protectors, 25:4578
- LEMURE, Pierre Shielding problems set by use of natural U target with linear electron accelerator. Shielding and safety systems necessary, 25:56582 (CEA-R-4188)
- LENA, P. Continuum infrared radiation of the solar photosphere, 24:17545
  - Solar brightness in middle and submillimeter infrared, 21:9271
- LENA, P. J. High-resolution solar images at 10 microns, 25:799
- LENA, Pierre Far-infrared observation of a sunspot, 23:34217
- LENA, Pierre J. Center-to-limb variation of solar brightness, 22:17289
  - Far-infrared measurement of the solar minimum temperature, 24:10309
- LE NADAN, A. Experimental device to study electron scattering by atoms and molecules, 24:46545
  - Generalized oscillator strengths for $1^1S \rightarrow 2^1S$ transition in He, 25:4959
- LE NADAN, Andre Differential cross sections for He $1^1S \rightarrow 2^1P$ transition produced by electron impact, 24:45023
  - Generalized oscillator strength involved in electron-impact excitation of states of He, 24:47018
  - Low-energy electron scattering by He atoms, 24:32668
- LENAERS, A. Measurement of cerebral flow by ^{85}Kr, 22:25950
  - New approach to measurement of divided renal plasma flow by ^{131}I-Hippuran and external counting in humans, 22:25945
  - Rubidium-86 single injection method for the study of the coronary circulation in man, 22:25952
- LENAIL, B. Heat problems encountered in research on packaging, 21:30667
- LENAMON, L. Field line trajectories in Skornyakov trap, 22:39037
  - Structure of hydromagnetic shock waves, 25:30528
- LENANDER, Carl J. Fundamental approach to high-frequency breakdown of gases, 23:12802
- LE NAOUR, Lucien X-ray topography of uranium alloys, 22:52198 (CEA-R-3494)
- LENARCZYK, H. Triggatrons of high-current pulse generators, 22:47429
- LENARD, A. Negative "V" stellarator, 21:3814
  - Stability of matter. II, 22:42120
- LENARD A. Stability of matter. I, 21:27263
- LENARDUZZI, G. Radiation lesion in physicians, 21:28527
- LENARDUZZI, Guerrino Carcinogenic risk from the use of ionizing radiations for diagnostic purpose, 22:45535
  - Evaluation of late injuries after therapy with fast electrons, 22:36400
- LENART, Gy. Diagnosis of bone diseases with ^{85}Sr, 22:33847
- LENARTOWICZ, J. Charge-sensitive preamplifiers with dynamic load resistance (Bootstrap configuration), 25:44724 (INR-1241)
- LENARTOWSKA, Irena Thyroid scanning with /sup 99m/Tc in children and adolescents, 25:16247
- LE NARVOR, Anne Study of H_2O dissolved in aromatic solvents by infrared spectroscopy, 24:29286
- LENAZ, G. Observations on the effect of D_2O on energy-linked reactions of the mitochondrion, 21:376
- LENBERG, Robert A. Recent changes in Washington tri-cities economy: transition in review, 21:38836 (RLO-1949-1)
- LENC, J. F. Preparation of first Mark IA fuel alloy for EBR-II, 23:18191 (ANL-7474)
  - Pyrochemical processing of fuel materials and scrap containing ^{239}Pu, 25:18492 (ANL-7709)
  - Retorting unit for recovery of uranium from zinc—magnesium solutions, 23:43378 (ANL-7503)
  - The EBR-II skull reclamation process. Part V. design and development of plant-scale equipment, 25:23642 (ANL-7772)
- LENC, M. Plane symmetric solution of Einstein equations, 24:49603
- LENCHEK, A. M. Acceleration of cosmic rays in interplanetary space by friction with the solar wind, 21:43839 (N-67-23276)
  - Origin and loss of inner zone protons, 21:9439
- LENCHEK, Allen M. Are cosmic electrons anisotropic, 23:39354
  - Cosmic x rays and γ rays, 24:39898
  - Effect of galactic cosmic rays upon the dynamics of the solar wind, 24:5016
  - Theory of inverse Compton scattering in cold plasma, 25:13941
- LENCHENKO, V. M. Displacement of atoms by a cascade of fast electrons, 22:24441
  - Efficiency of radiators and absorbers of charged particles, 25:30641
  - Electrification of substances by gamma radiation, 25:14430
  - Energy structure of a cascade of collisions of identical particles in a decelerating medium, 21:28016
  - Energy structure of cascade and correlated atom—atom collision chains, 21:21101
- LENCHO, R. J. Experiment to measure hard solar and celestial x rays, 25:55734 (N-71-23434)
- LENCI, F. Coenzyme-substrate interactions, ESR study of irradiated systems, 25:34655
- LENCIONI, D. Plasma confinement in a toroidal octupole magnetic field, 22:39031 (CONF-680805-7)
  - Plasma confinement in a toroidal octupole magnetic field, 23:32339
  - Plasma injection, heating, confinement, and losses in multipole structures, 25:38324 (CONF-710607-2)
- LENCIONI, D. E. Influence of a toroidal field on plasma confined in a toroidal octupole, 22:26358
  - Measurement of plasma conductivity for electric fields larger than the runaway field, 24:28246 (COO-1726-42)
  - Measurement of plasma conductivity for electric fields larger than the runaway field, 25:19672
- LENCIONI, Donald E. Plasma motion in a time-changing toroidal octupole magnetic field, 25:9402
- LENCIONI, Donald Eugene Effects of time-varying fields on plasma contained in a toroidal octupole magnetic field, 25:3059
- LENDA, A. Energy distribution of scattered gamma-rays in natural gamma-logging, 23:35331
- LENDA, Andrzej Development of certain radiometric methods applied in mining and geology in Poland, 24:50464
  - Energy distributions of scattered gamma rays in natural gamma logging, 22:48921
- LENDEL, A. I. Dispersion sum rules for proton—proton scattering, 24:28564
  - Dispersion—theoretic model of πN-scattering backward peaks, 25:3377 (ITF-70-65)
  - FESR for scattering amplitude satisfying quasipotential equation, 23:32757 (ITF-69-30)
  - Formation of showers in rescatterings and growth of total cross-sections at E $\rightarrow$ infinity, 24:26417 (SLAC-Trans-112)
  - Range and times of high-energy interaction of particles, 24:6720
  - Relations between amplitudes and polarizations of cross-reactions for asymptotically large energies and transferred momenta, 23:7143
  - Saturation of superconvergent dispersion sum rules for pp-scattering, 24:37817
  - Shower enhancement of branch-point contribution and increase of total cross sections as A $\rightarrow$ infinity, 24:28550
  - Showers production at rescattering and increase of total cross sections at E $\rightarrow$ infinity, 24:20076 (ITF-69-89)
  - What are range and time of high-energy interaction of particles, 23:39644 (ITF-69-38)
- LEND'EL, V. I. Dispersion sum rules for proton—proton scattering, 24:28564
  - Dispersion—theoretic model of πN-scattering backward peaks, 25:3377 (ITF-70-65)
  - Energy behavior of partial d waves in πN scattering, 22:32144
  - Influence of the $\pi\pi$—N anti N interaction upon the nucleon—nucleon scattering, 22:1456
  - Influence of uncorrelated $\pi\pi$-interaction on NN-scattering, 23:39743 (ITF-69-35)
  - Interpretation of partial p waves of proton—proton scattering, 25:25459
  - Problem on role of rho and sigma mesons in strong interactions, 25:9750
  - Resonance solutions of equations for πN scattering, 23:10825
  - Resonance solutions of equations for πN scattering, 23:15111 (ITF-68-32)
  - Role of rho- and sigma- mesons in strong interactions, 24:18153 (ITF-69-90)
  - Saturation of superconvergent dispersion sum rules for pp-scattering, 24:37817
  - Short-wave contributions in the low-energy πN scattering, 22:1440
  - Short-wave repulsion in NN scattering, 22:35022
  - Two-channel calculation of P_{11} resonance in πN resonance, 23:32725 (ITF-69-22)
- LENDERS, H. Utilization of the material testing thermal reactor BR2 for fast neutron irradiations, 25:54175 (A/CONF.49/P-280)
- LENDLE, Ludwig Effects of pretreatment with sublethal doses of nitrogen mustard or x-radiation on tolerance to later exposure, 23:50628
- LENDRUM, F. C. Developments in Canadian U milling practice, 24:36434
- LENDVAI, O. Initial steps in the establishment of a national materials accountability system, 25:21306
- LENDVAY, J. Thin-crystal mosaic detector for in vivo measurements, 23:612 (KFKI-27/1968)
- LENDVAY, Janos High sensitivity alpha-spectrometer for the analysis of samples with low specific activity, 23:35513
- LENDYEL, V. I. Solution of an equation for singlet $^1S_0$-wave of pp-scattering, 22:26669
- LENEL, F. V. Role of plastic deformation in conventional sintering and hot pressing, 22:31387
- LENEL, Fritz V. Conference on oxide dispersion strengthening, Bolton Landing, N. Y., 6/66, 23:30122
- LENER, J. Distribution of radioactive ^{99}Mo in tissue of test animals, 25:26598
  - Substoichiometric determination of Cd, 23:43265
- LENFANT, M. Compacted sand shielding, 21:17544
- LENG, J. On-line data processing and control of reactor facilities at Windscale, 23:40345
- LENG, J. H. Physics studies in WAGR and HERO, 22:22842
- LENG, R. A. Evaluation of three isotope-dilution techniques for studying the kinetics of glucose metabolism in sheep, 23:47387
  - Investigation of metabolic processes with radioisotopes, 21:45512
- LENGAGNE, Paul Automatic packaging process for radiation sources, 25:44575
- LENGELER, B. Magnetoresistance in cold-worked and neutron-irradiated Cu, 24:28420
- LENGELER, H. Circularly polarized deflecting mode in disk-loaded waveguide, 24:35760
  - Design of disc-loaded waveguides for RF separators, 22:44533 (CERN-68-30)
  - New disk-loaded waveguides for the CERN RF separator, 24:52243 (CERN-70-26)
  - Particle separation with two- and three-cavity rf separators at CERN, 22:44532 (CERN-68-29)
  - Rf-pulse method for matching mode transformers on disk-loaded waveguides, 24:35759
  - Three cavity rf separator of CERN, 22:32269 (CEAL-2000, pp 190-6)
- LENGEMANN, F. W. ^{134}Cs retention in rats, 24:25377
  - Atomic energy techniques to increase productivity of domestic livestock, 25:26578 (CONF-680112-, pp 153-66)
  - Cesium-134 retention by rats, 25:4450
  - Cesium-137 intake from milk, 22:21508
  - Comparison of radiation-induced chromatid aberrations in testes and bone marrow of Chinese hamster, 22:28398 (NYO-2147-13, pp 95-102)
  - Consumption of radionuclides from milk by man after contamination of pastures, 25:24015
  - Determination of contained-milk volume of the mammary gland of the goat by ^{141}Ce and ^{14}C-PEG-4000, 25:8587
  - Effect of age on the retention of cesium by rats, 22:28279 (NYO-2147-13, pp 56-7)
  - Effect of various substances on secretion of radiostrontium into milk, 21:17992
  - Future uses of radioisotopes in large-animal research, 21:24631
  - Intake of radioiodine from milk by man, 21:22276
  - Measurement of the contained—milk volume of the mammary gland using radioactive markers, 25:51984
  - Metabolism of radioiodide by lactating goats, 24:16967
  - Predicting total intake of radioiodine of humans consuming goats' milk, 21:17991
  - Radioiodine in the milk of cows and goats after oral administration of radioiodate and radioiodide, 23:47939
  - Repair rate for radiation-induced chromatid deletions, 23:7982
  - Resolution of two β-emitting radionuclides by liquid scintillation counting, 25:57353
  - Retention of cesium as affected by weaning, 22:28280 (NYO-2147-13, pp 58-63)
  - Retention of radiocesium by rats, 24:9750
  - Retention of radiocesium by rats, 25:16007
  - Studies on the secretion of iodide into the milk of thyroidectomized goats, 22:28278 (NYO-2147-13, pp 53-5)
  - Transfer of fall-out radionuclides from diet to man, 21:14591
  - Turnover of radiocesium, 24:2547 (NYO-4039-1, pp 47-52)
- LENGEMANN, Frederick W. Comparison of radiation-induced chromatid aberrations in testes and bone marrow of Chinese hamster, 22:25816
- LENGEMANN, Fredrich W. Incorporation and control of strontium, cesium, and iodine secretion in milk, 24:34016 (AD-701190)
  - Metabolism of selected radionuclides fed in various physical forms to dairy cows, 23:815 (AD-672097)
- LENGER, V. ^{226}Ra activity determination in non-equilibrium state by scintillation gamma spectrometry, 25:57365
  - Determination of ^{226}Ra activity in nonequilibrium state, 25:15523
  - Whole-body counting of persons containing ^{90}Sr and ^{226}Ra, 22:28483
- LENGER, Vladimir Internal and external bremsstrahlung of ^{90}Sr (^{90}Y) in relation to the in vivo measurement of the whole body burden, 24:32011
- LENGEROVA, Alena Allogeneic inhibition of the colony-forming capacity of bone marrow cells, 24:8006
  - Comparison of colony-forming performance of bone marrow cells in syngeneic and allogeneic cellular environment within a single host, 25:26670
  - Proliferation of haemopoietic cells in irradiated mice, 24:12250
  - Radiation chimeras and genetics of somatic cells, 21:22748
  - Thymus-mediated tolerance to cellular alloantigens, 22:36174
- LENGWEILER, H. Prog. rpt. on HTGC Pluto loop irradiations II and III, 1/63, 24:40986 (DP-Report-144)
  - Radiochemical analysis of fission products in Dragon, 24:38746 (DP-Report-207(Pt.2))
  - Separation of Kr and Xe, 24:36166 (DP-Report-89)
- LENGWEILER, K. Studies on nonmetals during irradiation, 24:10604
  - Studies on nonmetals during irradiation, 25:38574
  - Studies on nonmetals during irradiation. II, 25:45541
  - Thermoluminescence of KCl:Tl between 30 and 400°C determined by simultaneous intensity and spectral distribution measurements, 24:32900
- LENGYEL, Belane Investigations in the field of radiation-induced solid state polymerization. XXVI, 24:41344
- LENGYEL, L. L. Current and potential distributions in MHD generators, 21:18486 (IPP-3/50)
  - Current and voltage losses caused by finite electrode segmentation in Faraday and Hall type MHD generators, 21:20806 (IPP-3/49)
  - MHD energy results and objectives of German research, 23:36556
  - Numerical simulation of ionization instability, 23:25374
- LENGYEL, Lajos L. Current and potential distributions in nonequilibrium MHD plasmas, 25:58844
  - Preionization and velocity effects in MHD channels with nonequilibrium plasmas, 25:30348
  - Two-dimensional current distributions in Faraday-type MHD converters, 23:20743
- LENGYEL, S. J. Sterilization of catgut by ionizing radiation, 22:52088
- LENGYEL, T. Investigations of ion-exchange equilibria with radioactive tracer method. X, 21:36099
  - Investigations on ion exchange equilibria. XVI, 24:13851
  - Investigations on ion-exchange equilibria with tracer method. IX, 21:36097
  - Rapid milking system for obtaining 57-min /sup 103m/Rh, 22:33392
- LENHARD, J. A. Cost and man year effort associated with the health protection programs, 21:14666
- LENHARDT, H. Many-counter experiment in high-energy physics, 25:51893 (KFK-1191)
- LENHART, K. Genetic basis of virulence in dermatophytes, 25:13427

  Radioinduced mutations in dermatophytes. II, 22:31028
  Radioinduced mutations in dermatophytes. I, 22:45474
  Radioinduced mutations in dermatophytes. III, 23:26733
LENHART, K. G. Ground observations of the solar event of Feb. 25, 1969, 25:27553
LENHERR, A. D. Electron reactions in γ-irradiated thymidine and cystamine, 24:19017
  Energy transfer in nucleoproteins, 21:36511
  Formation of the thymine radical in irradiated DNA, 23:2765
  Free radical reactions in cyclohexane irradiated at 77°K, 23:19762
LENIHAN, J. M. A. Activation analysis and public health, 23:4575
  Activation analysis in forensic science, 23:11449 (CONF-671111-, pp 523-31)
  Activation analysis in the contemporary world, 24:105
  Br estimation by occupancy principle and neutron activation analysis, 24:33659
  Conference on some aspects of Sr metabolism, Chapelcross, Glasgow, and Strontian, Scotland, 5/66, 21:45558
  Estimating thyroid iodine by activation analysis in vivo, 23:4989
  Estimation of thyroid iodine content by the occupancy principle, 23:33166
  Estimation of thyroid iodine in vivo by activation analysis, 21:35894
  Noisy nucleus, 22:19216
  Organization and equipment of an activation analysis laboratory, 22:16394 (GA-8171, pp 49-62)
  Strontium metabolism. I, 21:45587
LENIN, A. S. Measurement of hard γ quanta and electrons in atmosphere, 23:10474
  Measurement of intensity of gamma rays, 23:51400
  Measuring the vertical intensity of hard γ quanta at various atmospheric depths, 21:31265
  Study of hard gamma radiation in the atmosphere, 22:34313
  Vertical intensity of hard gamma radiation at sea level, 22:34315
LENIN, S. S. Determination of natural uranium isotopic composition by x-ray fluorescence and radiometric analysis, 22:50942
  X-ray fluorescence analysis of U in powdered samples with short wavelength spectrometer FRS-2, 23:28701
LENK, M. Regeneration of loaded ion exchangers for treatment of radioactive wastes. I, 21:32348 (SZS-2/67)
LENK, Peter High power electron gun, 23:8904
LENK, R. Cascade theory of defect production, 22:22206 (AERE-Trans-1090)
  Corrections to the cascade theory of defect production, 22:22205 (AERE-Trans-1089)
  Investigation of actinides. I, 22:44982 (RFP-Trans-49)
  Multiple scattering of thermal neutrons by a perfect crystal. I, 25:50620
LENK, Richard Stability of many-particle systems with external perturbations. II, 21:15173
  Stability of many-particle systems with external perturbations. I, 21:15172
LENK, W. Sorption of radionuclides on friable soils and other natural absorbents, 24:9488 (SZS-6/69)
LENKE, R. Temperature and concentration dependence of inner mobility of ^{6}Li and ^{7}Li, 23:4626
LENKEIT, W. Reaction anti pp → anti pp$\pi^-\pi^+$ at 12 GeV/c, 25:53011
LENKO, Jan Effects of microwaves of low-density radiation on testes of rabbits, 23:20352
LENKSZUS, F. R. ARMSPAN: Argonne multichannel stored program analyzer, 23:43529
  ARMSPAN: Argonne Multichannel Stored Program Analyzer, 24:7644 (CONF-690301-, pp 340-53)
  Calibration technique for measuring γ-ray energies and Ge(Li) detector linearity, 24:9672
  Computer controlled CAMAC systems at Argonne, 25:57884
  Discriminator-stabilizer with internal compensation for external gain shifts, 24:39261
  Precise energy determinations of γ-rays from ^{66}Ga, 23:37156
  Ultra stable reference pulser for high resolution spectrometers, 22:40440
LENN, Peter D. Plasma diagnostics by spectroscopic methods, 21:29211
LENNARTZ, H. Radiological, physiological, and anatomical studies on effect of new contrast medium for urography, 25:557
LENNARTZ, K. J. Autoradiographic investigation of diurnal fluctuations, 23:2747 (UCRL-Trans-10211)
LENNEMAN, W. L. United States Atomic Energy Commission interim radioactive waste burial program, 22:16807
LENNEMANN, William L. Considerations for long term waste storage and disposal at USAEC sites, 21:10566 (CONF-660208-, pp 17-29)
  Look at long range waste management costs at USAEC sites, 21:10588 (CONF-660208-, pp 800-29)
LENNES, G. Influence of cystamine and cysteamine on survival of mice injected by intrapleural route with an Ehrlich tumor irradiated in vitro, 22:40798
LENNON, C. O. Fluorine-19 levels from ^{18}O(^{3}He,d)^{19}F, 24:30704
  Spectroscopic factors for ^{19}F from ^{18}O(^{3}He,d)^{19}F reaction, 23:10954
LENNON, Conrad J. Criticality study of meltdown configurations for nuclear aircraft reactors, 25:18199 (N-70-36660)
LENNOX, C. G. Canadian small reactor assessment, 23:37411
  Intermediate-sized, heavy-water-moderated reactors, 23:37412
LENNOX, D. H. Hazards summary report on AHFR critical experiments, 22:3887 (ANL-5715(Add.), pp 3-20)
  Improved LMFBR fuel element, 24:33326
  Oxide critical experiments, 22:3886 (ANL-5715(Add.))
LENNOX, David H. How nuclear energy will shape hospitals, 22:36006
  Power reactor technology and reactor fuel processing. X, 22:1816
  Power Reactor Technology and Reactor Fuel Processing, Vol. 10, No. 2, 22:10049
  Power reactor technology. Vol. 9, No. 2, 21:31983
  Reactor and Fuel Processing technology, Vol. 10, No. 3, 22:7983
  Reactor and Fuel Processing Technology, 22:22883
  Reactor and fuel-processing technology, Vol. 11, No. 1, Winter 1967—68, 22:25172
  Reactor and fuel-processing technology, Vol. 11, No. 2, 22:33530
  Reactor and fuel-processing technology. Vol. 11, No. 3, 22:53431
LENNOX, Edwin S. Antigen-specific synergism in the immune response of irradiated mice given marrow cells and peritoneal cavity cells or extracts, 24:44450
LENNOX, J. E. Induced mutation in uv-sensitive mutants of Aspergillus nidulans and Neurospora crassa, 22:31042
  Isolation of uv sensitive mutants from Aspergillus rugulosus, 21:34826
  Radiation-sensitive mutant of Aspergillus nidulans, 22:28708
  Uv-sensitive mutant of Aspergillus rugulosus unrelated to intergenic crossing over, 23:45973
LENNUIER, Robert Effects of H_2 and D_2 on line 2,537 A of ^{198}Hg, 21:46131
LENOBLE, A. Uraniferous indices of the French Alps, 21:45261
LENOBLE, Jacqueline A—K supergiant stars and interstellar absorption in direction of large Magellanic Clouds, 25:35670
LENOIR, Jeannine Direct conversion of gamma ray energy into electric energy, 21:46195
LENORMAND, J. M. Proton charge exchange with formation of atoms in excited states, 25:24904
LENORMAND, Jean-Michel Charge transfer during collisions between H^+ and Kr, Xe, NH_3, C_2H_2, C_2H_4, 25:9229
  Chromatic aberrations of an inversion quadruplet, 22:44548
  Proton charge exchange with formation of excited states, 25:994
LENOUVEL, Francois Some results concerning the external photoelectric effect and secondary emission, 21:24245 (CEA-R-3143)
LENRIOT, J.-P. Study of maintenance of hepatic functions of preserved livers with the labeled rose bengal test, 24:25518
LENSCHOW, R. Investigation on prestressed concrete reactor vessel under internal gas pressure, 25:56992
LENSCHOW, Rolf Scandinavian model test for development of commercial nuclear energy, 23:37496
LENSI, P. L. Use of liquid metal joint, 23:51090
LENSKII, A. R. Possibility of use of chelating agents in primary circuit of water-cooled nuclear reactor with two circuits, 23:40656
LENSKII, L. A. Measurement of the activity of the preparations of tritiated water by means of a windowless flowing gas counter, 22:4056
LENSKIY, V. S. Effect of radioactive irradiation on the mechanical properties of solids, 22:43619 (JPRS-46209)
LENSKY, V. S. Influence of radioactive radiations on the mechanical properties of solid bodies, 21:32936 (SC-T-67-0934)
LENT, E. M. An analysis of a proposed n-n scattering experiment, 24:42870 (UCRL-50848)
  Calculation of forward bremsstrahlung spectra from thick targets, 22:44754 (UCRL-50442)
  Response of weapons detectors to fast rising signals. I, 22:19099 (UCID-4675)
  Transmission and backscattering of 4.0- to 12.0-MeV electrons, 23:41920
LENT, Edward M. Collimation of fast neutrons, 25:5477 (UCRL-50857)
LENT, R. E. X-ray absorption in the 2 to 200 A region, 22:11199
LENTI, R. Scintigraphy with ^{85}Sr in the diagnosis of some osteopathies, 24:23270
LENTINI, A. Dosimetry for ^{60}Co beams. I, 22:33890
  Parotid tumors cured with Cs therapy, 24:2757
LENTLE, B. C. Health considerations in the use of organic reactor coolants, 24:41901
LENTSCH, Jack W. Manmade radionuclides in the Hudson River estuary, 25:55160
  X-ray dose adjacent to plane bone interfaces as measured in polyethylene, 22:510
LENTZ, H. Efficiency of separation of packed columns, 23:45388
  Suitability of H_2O—D_2O as a test mixture in rectifying columns, 23:21804
LENTZEN, Donald E. Bromodeoxyuridine sensitization of ultraviolet-sensitive E. coli ras$^-$ mutant to ultraviolet irradiation, 25:32459
LENTZSCH, B. Influence of dimensions of gas fluidized beds on gas mixing, 25:13140 (BMBW-FBK-70-26)
LENY, J. C. Heavy water reactors: present status and prospects, 21:2822 (EUR-2966.f)
  Heavy water reactors: results and perspectives, 22:18496
  ORGEL project, 22:1808
  ORGEL project 1959-1969, 25:15342
LENZ, D. Dislocation-pinning memory-effect in γ-irradiated and stress-annealed copper, 25:35514
  Temperature dependence of dislocation attenuation in γ-irradiated Pb, 25:14459
  Ultrasonic attenuation in Pb during and following γ irradiation between 260 and 300°K, 24:8151 (AERE-R-5944(Vol.1), pp 239-54)
LENZ, David E. Hydrogen—deuterium exchange of trypsin and trypsin derivatives, 23:24163
LENZ, David Erwin Kinetics of hydrolysis of acetylchloinesterase and H—D exchange of trypsin, 23:24523
LENZ, E. Effects of laser beams on enamel surfaces, 23:50854
LENZ, F. Diagnostic value of the quotients of precordial over prepulmonary counting rate from Na^{131}I, 25:26822
  High-energy electron-scattering and model independent description of charge-distributions in nuclei, 23:32965
LENZ, Friedrich Cross sections of atoms for elastic and inelastic scattering of electrons, 25:22350
LENZ, G. H. Elastic scattering of fast neutrons by praseodymium and lanthanum, 22:20564 (CONF-680307-13)
  Isobaric analog resonances in the lead region, 22:27097
  Isobaric analog resonances in very heavy nuclei, 22:27213
  Isobaric analog states of ^{205}Pb, ^{207}Pb, and ^{208}Pb, 22:20633
  Isobaric analog systematics and spectroscopy in the lead isotopes, 21:21544
  Thin film thickness determination by alpha particle backscattering, 25:49032
LENZ, George Henry Isobaric analogue resonances in lead region, 22:27228
LENZ, H. Steam turbines for nuclear power plants, 22:18491
LENZ, P. Ureteral injuries after obstetric—gynecologic intervention and radiation, 25:26814
  Urologic management of injuries to the bladder after gynecologic radiotherapy, 25:26813
LENZ, R. Wear tests carried out on brush-rotor systems making use of labelled associated parts, 25:15847
LENZ, T. Effect of diluent upon equilibrium for the system: $NdCl_3$—HCl—H_2O—1 m di(2-ethylhexyl) phosphoric acid, 21:22015
LENZ, Terry G. Extraction of Nd and Sm by di(2-ethylhexyl) phosphoric acid from aqueous chloride, perchlorate, and nitrate systems, 22:21163
LENZ, Terry Gene Chemistry of lanthanide extraction from aqueous chloride, nitrate, and perchlorate solutions, 21:19723 (IS-T-138)
LENZ, W. H. Ductility studies on sintered tungsten—molybdenum—rhenium alloys, 23:36072 (LA-4136)
  Kirkendall effect in sintered refractory metal alloys, 23:32023 (LA-4153)
  Rhenium effect in sintered tungsten—molybdenum-base alloys, 23:43963 (LA-4173)
LENZERINI, L. Influence of ionizing radiations on the metabolism of liver glycogen, 21:28350
LENZERINI, Luciano Uptake of ^{137}Cs by the Chlorella vulgaris, 21:34582
  Uptake of ^{90}Sr by the Chlorella vulgaris. I, 21:36487
LENZI, G. Composition of CRN Trisaia sand and clay and their ability to absorb some fission products, 25:6425 (RT/PROT-(70)5)
  Ecological study of CRN site at Trisaia, 24:39469 (RT/PROT-(69)43)
  Preliminary research on several types of lithology, 24:16675 (RT/PROT-(69)22)
  Sorption properties of natural tuffs occurring in Lake Bracciano region (Rome), 21:12383 (RT/PROT-(66)18)
  Use of neapolitan yellow tufa in processing of radioactive liquid waste, 22:35883 (EUR-3922)
LENZI, Giuseppe Characteristics of the land surrounding CSN with reference to safety and medical protection, 25:41930
  Geological and chemical characteristics of a site in relation to radioactive contamination of the aquiferous layer, 21:25981
  Physico-chemical characteristics of the terrains surrounding the CSN casaccia, 24:19086
LENZI, M. Is the problem of radiotherapy of cerebral tumors still unsolved, 22:47585
  Time-spaced urography in diagnosis of reno-vascular hypertension, 22:536
LENZI, Mario Radiomimetic effects and cellular alterations induced by magnetic fields, 22:38496
LENZI G. Prog. rpt. on study of the site of Casaccia Nuclear Research Center, 6/67, 22:2194 (RF/PROT-(67)14)
LENZLINGER, M. Accurate determination of the ionization energy in semiconductor detectors, 22:14809
  Ionization energy in semiconductor detectors, 23:22005
LEO, B. Brief comparison of nuclear power stations, 23:34909
  E.D.F. nuclear power stations, 24:24683
  Environmental effects: public relations, 25:53986 (A/CONF.49/P-681)
  Sensitivity of the cost per kWh of nuclear power, 24:16208
LEO, Bertrand French nuclear power stations, 21:25651
  Natural or enriched uranium, 24:38642
LEO, F. Extraction of thorium with thenoyltrifluoroacetone from a nitrate solution of irradiated fuel and direct spectrophotometric measurement on the organic phase, 23:2187 (RT/CHI-(68)27)
LEO, M. Life effects on the performance of ceramic fast breeders, 22:1775 (RT/FI-(67)23)
  Life effects on the performance of ceramic fast breeders, 22:53385
LEO, M. B. Experience in the construction of nuclear power plants, 21:15677
LEO, M. W. M. Effect of cycloheximide, gamma irradiation, and phosphorus deficiency on root pressure exudation in tobacco, 24:25606
  Effect of gamma ray irradiation on FeEDDHA solution, 23:45327
LEO, R. A. Vacuum polarization tensor and equal-time commutators in quantum electrodynamics, 25:28074
LEO, Robert E. Faraday rotation measurements of electron content near the magnetic equator, 22:22042

  Faraday rotation measurements of electron content near magnetic equator, 24:12682 (AD-486729)
LEO, W. Postirradiation creep-rupture properties of austenitic stainless steel and nickel-base alloys, 24:12442
LEODOLTER, I. Analysis of Ag by neutron activation, 24:46204
LEOMBRUNO, W. J. Structure and orientation of the second phase in ZrB$_2$ crystals, 22:38641
LEON, A. Determination of splenic blood flow with ^{51}Cr labeled and heat treated erythrocytes, 25:11142
  Present status of spleen scintigraphy, 23:48138
LEON, B. Magnetic characteristics of aluminum-rich ternary laves phases containing rare earths, nickel, and aluminum, 25:43480
LEON, Bruno Winding with reduced mechanical stresses, 21:41092
LEON, Burke Magnetic and structural characteristics of ternary intermetallic systems containing lanthanides, 25:1311 (CONF-700403-(Vol.1), pp 41-52)
  Magnetic coupling and phase boundaries for pseudobinary alloys containing lanthanides, 25:9576
LEON, Harry I. Fuel element, 21:27843
LEON, J. Cross flow and mixing of water between semiopen channels, 23:525
  Preparation of thin radioactive sources, 24:39157
  Radiative decays of mesons in a quark loop model, 25:14686
  Range and range straggling of 97-keV ^{224}Ra particles in gases, 25:36262
LEON, M. Metastability of the 2s state of muonic hydrogen, 25:13991
  X-ray yields in muonic hydrogen, 25:43125
LEON, P. Hydraulic problems occuring in sodium cooled fast reactors, 24:52781
LEONARD, A. Asymptotic solutions to the transport equation for a plane lattice, 22:33127
  Chromosome aberrations in persons exposed chronically to ionizing radiations, 25:57972
  Chromosome rearrangements after low x-ray doses given to spermatogonia of mice, 23:45923
  Chromosome rearrangements induced by x rays in mice, 21:14751
  Chromosome rearrangements induced in mouse by embryonic x irradiation. I, 22:14982
  Comparative genetic effects of local and whole-body irradiations in the male mouse, 21:45822
  Comparative radiosensitivity of male mice and hamsters, 21:32765
  Cytological study of Y chromosome—autosome translocation in mice, 24:9823
  Differential radiosensitivity of germ-cells of the male mouse, 23:22408
  Dose-response relationship for translocations induced by x-irradiation in spermatogonia of mice, 24:9815
  Effect of a mixture of radioprotectors on the temporary sterile period induced in male mice by exposure to x radiation, 25:46886
  Effects of AET administered to mice, 25:21739
  Effects of radiations on man. III, 22:49603
  Energy-dependent neutron transport theory in plane geometry. III, 21:2591
  Energy-dependent neutron transport theory in plane geometry. II, 21:2590
  Exact solution to the radiative transport equation for the gaseous-core cavity reactor, 24:7249
  Further results for the symmetric quarter space Milne's problem, 25:33377 (CONF-710107-, pp 325-47)
  Green's functions for multidimensional neutron transport in a slab, 23:36759
  Green's functions for multidimensional neutron transport in slab, 24:8819 (ORO-3858-1, pp 542-86)
  Green's functions for multidimensional neutron transport in a slab, 24:26288
  Incidence of XO mice after x-irradiation of spermatogonia, 22:40646
  Influence of selection, non-uniform cell population, and repair on dose-effect curves of genetic effects, 25:42353
  Leukaemogenesis in mice of the AKR strain with 38 or 40 chromosomes, 24:34639
  Milne's problem for two-dimensional transport in a quarter space, 25:59112
  Modified collision probability method for non-uniform lattices, 25:57155 (CONF-710302-(Vol.2), pp 644-54)
  Multigroup two-dimensional collision probability techniques for nonuniform lattices, 25:41608
  Nodal integral transport method for calculation of two-dimensional power distributions in non-uniform lattices, 25:57156 (CONF-710302-(Vol.2), pp 655-78)
  Persistence of chromosome rearrangements induced in male mice, 24:31948
  Prenatal mortality caused by irradiation of spermatozoa, 25:21852
  Radiation effects on man. I, 22:40626
  Radiation-induced translocations in spermatogonia of mice, 25:18948
  Radioinduced cataracts in rats, 21:14752
  Radioinduced chromosome aberrations, 22:40631
  Radiosensitivity of spermatogonia in mice, 21:8770
  Rate of dominant lethals after low x-ray doses given to mouse spermatozoa, 21:20129
  Rate of translocations induced in spermatogonia of mice by two x-irradiation exposures separated by varying time intervals, 25:18958
  Relation between the x-ray dose and the rate of chromosome rearrangements in spermatogonia of mice, 21:45607
  Sensitivity of various germ-cell stages of the male mouse to radiation induced translocations, 24:23159
  Transport solutions for two—dimensional multigroup thermal-neutron distributions in nonuniform lattices, 23:4188
  Two-dimensional quarter space problems in one-speed transport theory, 25:41160
LEONARD, A. C. Discrepancies in critical-heat-flux data obtained using thin-wire heaters in saturated liquid helium II, 25:56060
  Noise associated with heat transfer to liquid He II, 21:716
  Noise associated with heat transfer to liquid He II, 21:27104
LEONARD, Alain Effect of a mixture of chemical protectors against x-irradiation induced testis injury, 24:32039
  Effect of age and AET on life span of rats, 23:29587
  Genetics effects of irradiations in the case of man, 22:15096
  Incidence of dominant lethal mutations after x-irradiation of spermatozoa of mice and rats, 25:35129
LEONARD, Albert Clark Heat transfer from horizontal wires to He II at high heat-flux values, 25:43282
LEONARD, Anthony Energy-dependent neutron transport theory near a temperature discontinuity, 21:38174
  Energy-dependent neutron transport theory near a temperature discontinuity, 22:35194 (AD-663369)
LEONARD, Arnold S. Portal hypertension following surgery, x radiation, and actinomycin D therapy of nephroblastoma, 25:47019
LEONARD, B. E. Analytical pulse reactor model with delayed neutrons, 25:60223 (AD-721076)
  Analytical reactor excursion model with delayed neutrons, 25:39338
  Effect of delayed neutrons on self-limiting reactor excursions, 23:37638
  Experimental data on the production of ^{41}Ar in reactor exposure rooms, 22:51625
  Measurement of the transient control rod motion and its effect on the AFRRI—TRIGA reactor pulse, 23:19537
  Measurement of transient control rod motion and its effect on AFRRI-TRIGA reactor pulse, 23:26066 (AD-678725)
  Neutron fluence-to-kerma factors and mass energy transfer coefficients for various materials in reactor neutron fields, 25:6214
  Pulse reactor research and some operational considerations, 25:6120
  Space-time reactivity effects in a pulse reactor, 23:37641
  Tissue-equivalent kerma variation during and after a reactor excursion, 24:6039
  TLD 700 (^{7}LiF) response to reactor neutrons, 25:4382
LEONARD, B. H. Jr. Construction and design problems of sodium cooled fast reactors, 22:16196
LEONARD, B. P. Electron temperature effects in fast magnetohydrodynamic shock waves, 23:44427
  Electron temperature shock structure in a partially ionized gas, 21:39994
  Magnetic structure of oblique and normal ionizing shock waves, 25:14284 (AD-711086)
  Numerical study of the magnetic shock tube, 25:33255
  Stability of trans-Alfvenic ionizing shock waves, 24:17931
LEONARD, B. R. Jr. Nuclear reactions, 22:3738
  Properties of plutonium isotopes, 22:3737
  Reactor physics data for utilization of Pu in power reactors, 22:37407 (BNWL-801)
  Thermal cross sections of Pu isotopes, 23:37233
  Thermal cross sections of the fissile and fertile nuclei for ENDF/B-II, 25:48070 (BNWL-1586)
LEONARD, Bobby Eugene Neutron slowing down in finite moderator media from a fast neutron burst, 21:42548
LEONARD, Byron H. Jr. Activation analysis nuclear reactor and spool-like fuel element therefor, 21:12251
  Flux trap research nuclear reactor, 21:10212
LEONARD, C. G. Transduction in group a streptococci by ultraviolet irradiated bacteriophages, 25:27110
LEONARD, E. D. Chromosome aberrations in persons exposed chronically to ionizing radiations, 25:57972
LEONARD, Edward J. Solid phase radioimmunoassay of human β 1C globulin, 24:21056
LEONARD, F. Leakage rate from the leakproof building of BR-2 reactor, 22:18452
LEONARD, J. A. SNAP-27 program review, 25:41999
LEONARD, J. E. Effect of fuel rod failures on BWR core-spray standby cooling performance, 24:33374
  Heat transfer in a simulated BWR fuel bundle cooled by spray under loss-of-coolant conditions, 24:47869 (GEAP-13086)
  Preliminary results of the BWR-FLECHT internally pressurized, Zircaloy-clad bundle, spray cooling test, 24:38581 (NEDG-13064)
  Response of a simulated BWR fuel bundle cooled by flooding under loss-of-coolant conditions, 24:47868 (GEAP-10117)
  Thermal response and cladding performance of an internally pressurized, Zircaloy-clad, simulated BWR fuel bundle cooled by spray under loss-of-coolant conditions, 25:46267 (GEAP-13112)
  Thermal response and cladding performance of Zircaloy-clad simulated fuel bundles under high temperature loss-of-coolant conditions, 25:48285 (GEAP-13174)
LEONARD, J. H. Time-dependent release of fission products from small defects in fuel elements, 25:41378
  Transient radiation effects on thermocouples, 21:6369
LEONARD, J. P. Incorporation of radiosulphate in gastric mucosa of rat, 23:16242
LEONARD, J. W. Reaction ^{12}C(d,p$_0$)^{13}C, 25:3572
LEONARD, James E. Effect of fuel rod failures on boiling water reactor core spray standby cooling performance, 24:38556 (CONF-700608-6)
  Effect of Zircaloy-clad fuel rod failure on BWR core spray cooling, 25:41464
LEONARD, James H. Conditions contributing to radiation-induced thermocouple decalibration, 23:24498
  Direct radiation effects on thermocouples, 22:4841
  Radiation-induced temporary decalibration of thermocouples, 22:33161
  Tritium production and release mechanisms in pressurized water reactor coolant, 24:33222
LEONARD, James Walton Interference between compound-nucleus and direct mechanisms in ^{12}C(d,p)^{13}C, 24:10923
LEONARD, M. A. Analytical utility of the unique colour reaction between uranyl ions and alizarin fluorine blue, 23:40541
LEONARD, Nelson J. Synthetic spectroscopic models related to coenzymes and base pairs. III, 23:49855
LEONARD, P. Residual resistivity and growth of thermoelectric power of metals at low temperatures, 21:31376
LEONARD, R. F. Alpha-particle scattering from even tellurium isotopes, 21:46758
  Core excitations in ^{107}Ag, ^{109}Ag, ^{113}In, ^{115}In, ^{121}Sb, and ^{123}Sb resulting from inelastic scattering of 42-MeV alpha particles, 22:42030
  Reactions ^{58}Ni(p,^{3}He)^{56}Co and (p,t)^{56}Ni at 45 MeV, 25:7841
LEONARD, R. W. Reliable, inexpensive, transistorized liquid N level controller, 21:4736
  Simple, inexpensive, transistorized, continuously monitoring liquid He and liquid N level indicator, 21:4737
LEONARD, Ralph Beaumont Vaporization kinetics of zinc oxide and cadmium sulfide single crystals, 24:43918 (UCRL-19187)
LEONARD, Regis Angular correlations in reaction ^{58}Ni(α,α'γ) at 1.45-MeV excited state, 24:38140 (N-70-19440)
LEONARD, Regis F. Alpha—γ angular correlations in ^{120}Sn, 24:30758 (N-70-13431)
  Elastic and inelastic scattering of 42-MeV alpha particles from even Te isotopes, 21:29963 (NASA-TN-D-3991)
  Elastic scattering of 21-MeV protons from ^{14}N, ^{16}O, ^{40}Ar, ^{58}Ni, and ^{116}Sn, 23:34721 (N-69-12840)
  Elastic scattering of 21-MeV protons from ^{14}N, ^{16}O, ^{40}Ar, ^{58}Ni, and ^{116}Sn, 23:37126
  Gamma ray angular correlations following inelastic scattering of 42-MeV alpha particles from ^{24}Mg, 23:1824 (N-68-29375)
  Scattering of 42-MeV alpha particles from even isotopes of Cd, 22:42020 (N-68-11074)
  Scattering of 42-MeV alpha particles from even isotopes of Cd. I, 23:34786 (N-69-14482)
LEONARD, Robert B. New nickel-base alloy solves weld-zone corrosion problems, 25:29764
LEONARD, Stanley L. Spectroscopic determination of electron and ion temperatures in steady-state helium and argon plasmas, 24:6517 (AD-694063)
  Steady state plasma facility, 23:1482 (AD-671979)
LEONARD, W. F. Differential ion pumping for vacuum deposition, 23:9692
LEONARD, W. J. Compatibility of NaK with type-316 stainless steel and Nb—1 percent Zr alloy in heat rejection system, 22:31327
  Design and metallurgical aspects of the Army Pulsed Radiation Facility Reactor, 22:6107
  Evaluation of U—10 percent Mo alloy and consideration of alternate alloy for pulse reactor cores, 22:32979
  Investigation of material failures in DCX-1 liner, 21:3804 (ORNL-P-2642)
  Thermonuclear project, 21:13128 (ORNL-3970, pp 246-7)
  Thermonuclear project, 22:8746 (ORNL-4170, pp 245-7)
LEONARD A. Energy-dependent neutron transport theory, 23:45131
LEONARDELLI, M. Pulmonary scintigraphy after administration of isotope aerosols: a complement to pulmonary scintigraphy after injection of microaggregates, 22:47552
LEONARDI, Marco Effect of x rays on the aerobic energetic metabolisms, 21:20069
LEONARDI, R. g/sub A/ and g/sub V/ from mirror nuclei, 25:9742
  Isotensor dipole sum rules in nuclear electroexcitation, 25:56868
  Isovector magnetic moments of mirror nuclei, 24:20434
  Neutron asymmetry in polarized muon capture, 24:52498
  Quenching of Gamow—Teller matrix elements, 23:47062
  Saturation of the Cabibbo—Radicati sum rule in nuclear physics, 23:32971
  Sum rules and symmetries in nuclear physics, 25:48119
  Sum rules in nuclear physics, 24:45563
  T-violation effects and final-state interactions, 23:3781
  T-violation effects and final-state interactions. II, 24:24412
LEONARDI, Renzo Configuration mixing effects in magnetic moments, 24:18458
  Isospin sum rules in nuclear physics, 24:1882
  Magnetic moments of nuclear isospin doublets, 22:44769
LEONARDI, V. Study of cardiac dynamics in hyperthyroid subjects after treatment with ^{131}I. II, 22:49593
LEONARDINI, L. Engineering safety factors and their influence of siting practices for nuclear power plants in the European Communities, 24:45927 (CONF-700810-49)
LEONAS, V. B. Experimental study of short-range forces and threshold ionization in atomic collisions, 22:2804
  Hydrogen-atom scattering cross sections, 24:37227
  Interaction potentials of H and He atoms and H$_2$ molecules, 22:2787
  Measurement of the differential elastic scattering and ionization cross sections of atomic systems, 25:16810
  Methods for determining potentials of atom, molecule, and ion interactions, 21:20746
  Scattering of atoms of H in noble gases, 25:4957
  Short-range forces of intermolecular interaction of oxygen and nitrogen, 21:18443
  Short-range repulsive forces between atoms and molecules of atmospheric gases, 24:19763
LEONCHUK, M. P. Calculation of transient conditions of steam generators by means of a digital computer, 24:50236
LEONCHUK, V. N. Reactor heat removal, 24:33497
LEONCINI, G. Influence on fractionated x-ray doses on phenylhydrazine treated rabbits. II, 21:28403

LEONE, Charles A. Prog. rpt. on immunochemical studies of radiation-induced damage to biological systems, final, 6/67, 21:45496 (COO-1073-10)
LEONE, F. A. Dosimetry in assessing effects of irradiation on food, 25:24505
LEONE, James A. Viscosity-dependent ion recombination luminescence in organic liquids and solids from electron and gamma irradiation, 23:7568
LEONE, James Anthony ESR study of x-ray irradiated binary mixtures of conjugated ring systems and alcohols, 21:24045
LEONE, Janet Abnormalities produced by x rays in amphibians, 23:24745
LEONE, Richard A. Radiodermatitis caused by a radioactive gold ring, 23:6605
LEONELLI, F. Automatic safety control of nuclear reactors, 25:26083
  General principles of a safety assessment through reliability analysis of ESSOR plant, 25:6094 (RISO-214, pp 597-625)
LEONG, C. Detection of x rays from the Seyfert galaxies NGC 1275 and NGC 4151, 25:24819
  Search for quarks in cosmic rays at sea level, 22:20108
  X-ray observations of the Virgo Cluster, NGC 5128, and 3C 273, 25:24761
LEONG, C. L. Spectrophotometric determination of molybdenum with gallein and cetyltrimethylammonium bromide, 25:12930
LEONG, G. F. Biological recovery rates and equivalent residual doses, 23:20266 (CONF-680507-, pp 154-61)
  Dose-rate studies with sheep and swine, 22:49470 (CONF-680410-, pp 4.1-21)
  Hematological response in sheep given protracted exposures to ^{60}Co gamma radiation, 23:26875 (N-69-18668)
  Injury accumulation and recovery in sheep exposed to protracted ^{60}Co gamma radiation, 21:14658
  Injury accumulation and recovery in sheep exposed to protracted ^{60}Co gamma radiation, 21:18122 (USNRDL-TR-1053)
  Injury accumulation and recovery in sheep during protracted gamma irradiation, 22:12930
  Liver function and regeneration in rats x irradiated at birth, 21:18121 (USNRDL-TR-67-19)
  Recovery from radiation injury in swine, 21:34759
  Recovery from radiation injury in the hamster as evaluated by the split-dose technique, 22:25995
  Recovery in the mouse after neutron-irradiation: evaluation of injury and recovery using split-dose lethality and repropulation of colony-forming units, 25:6773 (CONF-691106-, pp 435-50)
  Recovery of sheep after whole-body irradiation: a comparison of changes in radiosensitivity after acute or protracted exposure, 25:37881
  Relation exposure rate and time to radiation injury in sheep, 22:19424
LEONG, George F. Acute lethality and recovery of goats after 1 MVp x-irradiation, 25:19115
  Acute mortality and recovery studies in burros, 23:45903
  Dose-rate studies with sheep and swine, 23:29729 (AD-678330)
  Effect of exposure rate on the gastrointestinal LD_{50} of mice exposed to ^{60}Co gamma rays of 250 kVp x-rays, 24:32207
  Hematological response in sheep given protracted exposures to ^{60}Co gamma radiation, 23:33826 (AD-684436)
  Lethal and hematologic effects of 14.6 MeV neutrons on beagles with estimation of RBE, 25:32552
  Recovery from radiation injury in hamster, 21:20329 (USNRDL-TR-1111)
  Recovery of sheep after whole-body irradiation, 23:33825 (AD-684435)
  Relationship of exposure rate and exposure time to radiation injury in sheep, 21:24550 (USNRDL-TR-67-22)
  Residual injury in erythropoietic system of sheep after ^{60}Co gamma radiation, 23:33827 (AD-685234)
LEONG, J. π^+ photoproduction from H with linearly polarized photons at 12 GeV, 25:40863
LEONG, T. K. Transfer in externally illuminated spherical shell atmosphere with perfectly absorbing core, 23:6766
LEONGARDT, A. D. Heat transfer by organic coolants, 22:27999
LEONHARD, A. Asynchronous machine with superconducting secondary winding, 24:7554
LEONHARDT, G. Determination of effective atomic charges from the chemical shifts of x-ray emission lines, 24:37198
LEONHARDT, J. Wear studies of Pb bronze sliding bearings, 23:29098
LEONHARDT, J. L. Comparison of reactions (α,^{3}He) and (α) on some nuclei N = Z, 23:39969
  Comparison of the (d,^{3}He) and (d,t) reactions on some N = Z nuclei, 22:53100
  Quasi-free scattering of 56-MeV α particles by α-particle clusters in ^{6}Li and ^{7}Li, 23:3947
  Use of computer in experiment of simultaneous detection of d, t, ^{3}He, and α particles, 21:45355 (LYCEN-6738, pp 66-79)
LEONHARDT, Lutz Clearance mechanism of RES following application of high doses of ^{198}Au with respect to distribution kinetics as well as adaptation capabilities, 24:34056
LEONHARDT, W. Radiochemical and electrochemical method for iodide adsorption at dropping Hg electrode, 24:22597
LEONHART, E. C. Halon 1301 fire extinguishing system for trailers, 24:13716 (UCRL-50731)
LEONI, F. Asymptotic behavior of production amplitudes in perturbation theory: 6-point production graphs, 21:4135
LEONI, G. Critical comparison between theoretical and experimental transients of the Enrico Fermi PWR, 21:19413
  MACACO—PREST: analog model and digital code for containment studies, 22:39896 (EUR-3927)
LEONIDOU, D. J. Application of pulsed neutron technique to calibration of control rods of Queen Mary Coll. (double-core) reactor, 22:27474
LEONOV, A. I. Chemistry of Ce in oxide systems, 23:37955
  Preparation and properties of zirconium refractories stabilized by cerium dioxide, 23:51111
  Regularity in the formation of solid solutions of oxides in ZrO_2—MeO/sub n/ solutions, 25:35545
  Stabilization of zirconia with combined additives and a study of the solid solution stability, 25:55636
  Status of research on systems La_2O_3—ZrO_2, Ce_2O_3—ZrO_2, and Nd_2O_3—ZrO_2, 21:11316
LEONOV, B. M. Sorption of metals from an acetate solution by SKT activated charcoal, 21:12514
LEONOV, B. V. Tissue culture method in radiobiological investigations, 22:23431
LEONOV, E. S. Stabilization circuit for the amplifier channel of a fast-neutron spectrometer, 21:32384 (AEC-tr-6719, pp 115-17)
LEONOV, G. S. Studies of moving striations by microwave method, 22:9312
LEONOV, V. F. Amplifier for semiconductor gamma detectors, 25:18668
  Gamma-ray spectrum from reaction (n,γ) on ^{150}Sm and ^{151}Sm samples, 25:43892
  Investigation of growing non-hermeticity of fuel element cans by means of ^{85}Kr, 24:43764 (IAE-1893)
  Measuring γ-ray spectra of ^{150}Sm(n,γ)^{151}Sm and ^{151}Sm(n,γ) ^{152}Sm reactions, 25:53741 (IAE-1976)
  Study of development of leaks in fuel element cladding by means of ^{85}Kr, 25:54904
LEONOV, V. Kh. Experimental techniques in cosmic-ray variations study, 23:41007
  Large-size neutron counters for super monitors, 23:41006
  Large-size proportional counters for cosmic-ray variation study, 23:41009
  Overfilled S15G counters, 22:47345
LEONOV, V. M. Experiments in the Tokamak-6 device, 25:38358 (CONF-710607-79)
LEONOV, V. N. Hot materials research laboratory of the Institute of Atomic Reactors, 25:51765 (JPRS-53800, pp 4-23)
LEONOV, V. V. Emission of novas prior to light maximum, 25:9010
  Theory of diffusion of radiation in a medium with a moving boundary, 24:46856
  Time-dependent diffusion of radiation in stellar atmospheres, 24:12520
LEONOVA, L. G. Nickel alloys for pipe fittings, 23:41556
LEONOVA, L. L. Uranium, Th, and rare-earth elements in thermal waters of the Kamchatka Peninsula, 25:10697
  Uranium, Th, Li, Rb, and Cs in the volcanic rocks of the Kuril Islands and Kamchatka Peninsula, 25:6429
LEONT'EV, A. I. Electric servomotors and elements of servodrives for nuclear reactors, 25:46343
LEONT'EV, A. M. β-activity of water, ooze and vegetation in Rybinsk water reservoir, 21:8475 (AEC-tr-6641, pp 64-71)
LEONT'EV, L. E. Effect of infrared illumination on ZnS—Ag single crystals excited by alpha particles, 22:3208
LEONT'EV, N. I. High-intensity, resonator-type electron accelerator, 21:40324
  Nonlinear stabilization of beam instability, 25:3126
  Production of high-frequency oscillations in a beam—plasma system, 22:29511
  Pulsed electron accelerator, 22:41914
  Resonant high-frequency discharge in high-current resonators for electron accelerators, 24:40524
LEONT'EV, S. A. Investigation of Ho_2O_3—Nb_2O_5 system, 24:27892
LEONT'EV, V. G. Question of the existence of placental barrier to ^{137}Cs, 24:27518
LEONTEVA, L. V. Standardization of packaging for the transport of radioactive materials, 25:51811
LEONTIADIS, I. L. Theory of chemical effects produced by isomeric transition of /sup 82m/Br in liquid organic systems, 25:18489
LEONTIADIS, Ioannis L. Chemical effects of bromine activated by isomeric transition of /sup 82m/Br and (n,γ) reaction of ^{81}Br in liquid bromobenzene, 22:16641
LEONTIC, B. Enchancement of superconductivity in rapidly quenched samples of aluminum alloys, 25:49833
  Enhanced superconductivity in ultrarapidly quenched bulk Al—Cu alloy, 25:5056
LEONTIC, B. A. Absorption cross sections for high energy protons, antiprotons and π and K mesons on nuclei, 21:37697 (BNL-11598)
  Corrected optical system for wide angle Cherenkov light, 22:318
  Differential liquid Cherenkov counter with continuously variable velocity response, 21:16101 (BNL-50031)
  Measurement of p—p and p—d total cross sections at 3.00 GeV/c, 24:37635
  New structures in K^+—p and K^+—d total cross sections between 1.55 and 3.30 GeV/c, 21:35268
  New structures in the K^-p and K^-d total cross sections between 2.4 and 3.3 GeV/c, 22:20144
  Structures in k^{+-}—nucleon total cross sections between 0.9 and 2.4 GeV/c, 24:37655
  Structures in the anti pp and anti pd total cross sections between 1.0 and 3.3 GeV/c, 21:29441
  Total cross sections of K^{+-} mesons and antiprotons on nucleons up to 3.3 GeV/c, 24:37657
  Wide gap chamber of cylindrical geometry operated close to grounded objects, 21:318
LEONTOVICH, A. M. Illumination of the bubble chamber with the aid of an optical ruby generator (laser), 21:19908 (BNL-tr-53)
LEONTOVICH, M. A. Possible polarization of bremsstrahlung x radiation from solar flares, 22:4999
  Problems of plasma theory, 22:15542
  Reviews of plasma physics. III, 22:3111
  Reviews of plasma physics. V, 24:37424
LEONTOVSKII, M. P. Wave functions of baryons and fundamentals of quark dynamics, 21:42358
LEOPOLD, G. Absorption of heavy metals in vivo and in vitro, 23:43677
LEOPOLD, L. Frequency measurement of radiation from normal-to-superconducting point contact junctions, 24:19824
  Observation of stimulated radiative emission from normal to superconducting metal junctions, 23:46438
  Self-consistent threshold calculations for the superconducting injection laser, 25:17115 (ORO-3665-24)
  Stimulated emission from normal to superconducting metal junctions, 23:46437
LEPADATU, C. I. Complexity constants for the compounds of MA and MA_2 types in the UO_2—$RCOO^-$ systems in aqueous solution, 21:8296
LEPAR, E. Clinical evaluation of adjunctive use of hydroxyurea in radiation therapy of carcinoma of lung, 21:39468
LEPARSKII, V. E. Low-control-voltage electro-optical shutter for a ruby laser, 25:51338 (SC-T-713058)
LEPECHINSKI, Dimitri Effect of collisions on the incoherent scattering spectra of plasma with different electron and ion temperatures, 22:17689
LEPECHINSKY, D. Dynamic stabilization of drift-dissipative instability, 25:33294 (EUR-CEA-FC-581)
  Dynamic stabilization of the drift dissipative instability by an inhomogeneous rf field, 25:27780
  Noncollisional damping, 23:18688 (CONF-680113-(Vol.1), pp 499-502)
  Stabilization of drift-dissipative instability by inhomogeneous rf field, 25:40665
LEPECHINSKY, Dimitri Effect of collisions on the noncoherent scattering spectrum of a plasma having unequal electronic and ionic temperatures, 24:47228 (CEA-N-1295)
  Stabilization of dissipative drift instability by a high-frequency field, 23:32447
LEPECKI, W. Analysis of Pu/U alloy-fueled heated-graphite exponential experiments, 21:8065
LEPECKI, W. P. S. Influence of nuclear energy on the development of Brazil, 24:28919
  Nuclear power forecast for Brazil, 25:53955 (A/CONF.49/P-802)
  Preliminary assessment of heavy-water thorium reactors in Brazilian nuclear program, 22:30249
LEPECKI, Witold P. S. Use of heavy water Th reactors in the Brazilian nuclear program, 22:3818 (DER-7(Rev.))
LE PEIGNEUX, M. Irradiation in two series and preoperative irradiation in two days (preliminary results in 140 cases), 22:31153
LEPEKHIN, F. G. Complete processing of experimental data, obtained by nuclear emulsions, using a computer, 22:6646
  Evaluation of the energy of fast particles by ionization measurement in nuclear photoemulsions, 22:6645
  Reaction $\pi^-p + \pi^+\pi^-$ main production properties of N*(3/2,3/2)-isobar state, 24:3546
  Semiautomatic microscope MIE-1 for measuring ionization parameters of particle tracks in nuclear photoemulsions, 21:39246
  Spark chamber with automatic measurement of spark coordinates, 21:6288
LEPELTIER, V. Reaction $\pi^-p \rightarrow \pi^0n$ near 180° at high energies, 24:1519
LEPENDIN, V. I. Measurement of reactor absorption cross section of isotopes ^{154}Gd and ^{156}Gd, 21:30019
  Neutron cross sections of cadmium isotopes, 24:28791
LEPERT, C. Primary circuit pumps of power reactors, 24:29008
LEPERT, Claude Circulation and auxiliary pumps for high power nuclear boilers, 24:43746
  Improvements in nuclear reactors, 24:50137
  Thermally insulating jacket for a nuclear reactor, 25:10335
LEPESHINSKAYA, V. N. Investigation of the interaction of the electron beam with alkaline earth oxides, 21:31226
LEPESTKIN, A. I. Asymmetry in angular distribution of direct photoneutrons from Bi, 24:33150
  Asymmetry in angular distributions of photoneutrons, 23:5908
LEPETIT, J. Development and adjustment of a Ge(Li) Compton spectrometer, 23:47796
LEPETIT, Jacques (DD) reactions on a gaseous target of D_2O vapor used as neutron sources, 24:20300
LEPHILIBERT, Jean Sealing system for the handling hood of a nuclear reactor, 21:1230
LEPICK, Joan Action of leucogenenol on myeloid and lymphoid tissues of sublethally irradiated mouse, 24:861
  Effect of leucogenenol on antibody formation in the irradiated mouse, 24:29716
LEPIE, G. Construction of KWO, 23:15583
  Design of pressurised water nuclear power stations, 22:14195
LEPIE, Guenther Construction and thermal layout of 300 MW block unit in Obrigheim nuclear power station, 22:14182
  Control of Obrigheim nuclear power plant, 22:14191
  Control of Obrigheim nuclear power station, 23:23827 (NP-tr-1740)
  Turbine sets and steam-feedwater cycle for Obrigheim nuclear power plant, 22:14189
LEPIE G. M. Obrigheim, the KWO nuclear power station with a Siemens PWR, 21:46889
LEPILOV, V. I. Gas target for experiments with slow mesons, 21:45400
  Gas target for slow meson experiments, 24:15713 (CERN-Trans-69-29)
LEPIN, L. K. Gamma radiation effects on the aluminum surface properties, 21:45971

  Technique of corrosion and electrochemical investigations in the reactor under irradiation, 25:22126
LEPINE, P. Preparation and testing of radiovaccines, 22:52086
LEPINSKIKH, B. M. Electrical properties of liquid V_2O_5, 25:42969
  Electrolysis of oxidized slags and effect of slag-composition on current efficiency in extraction of V and Ti, 23:12292
LEPKII, S. D. Some localization peculiarities of the uranium-bearing bitumens in red beds, 23:6232
LEPLAE, L. Asymmetric ground states in invariant many-body theories, 21:29178
  Boson formalism in superconductivity, 24:10456
  Boson method in superconductivity: application to the study of vortex lines, 25:5052
  New approach to the Josephson effect, 25:9364
  Quantum effects in weakly coupled superfluid liquids, 25:25016
  Structure of vortices in superconductivity, 24:15256
LE POEC, C. Activation analysis for iodine in body fluids, 23:2212
  Automatic determination by activation analysis of certain trace elements, 24:11472
  Automatic determination of several trace elements in biological media by radioactivation analysis, 22:25250
  Use of an automatic chemical treatment system in activation analysis of biological samples, 21:12328
LE POEC, Claude Activation analysis, 22:45001
  Process and apparatus for analysis of neutron activation of an element in liquid samples, 24:9255
LEPOIRE, J. Brain scanning with /sup 99m/Tc, 24:34467
LE POITTEVIN, G. Sources of photons obtained from positron annihilation in flight, 23:15300 (CEA-CONF-1225)
LE POITTEVIN, Gerard Experimental and theoretical study of yield and spectrum of photons obtained from positron annihilation in flight, 23:8434 (CEA-R-3628)
LEPOJEV, O. Effect of irradiation of metacercariae on the subsequent morphogenesis of F. hepatica in albino mice, 22:25985
LEPOJEV, Olga Response of rats to infection with irradiated and non-irradiated Fasciola hepatica, 24:4700
LE POLLES, Robert Device for attaching a thermocouple probe to a metallic wall, 21:43119
  Plugs or similar closing elements, 23:31454
LEPORE, Joseph V. Evaluation of phase-space integrals, 21:33631
LEPORE, Luca Determination of Cd activity in Cd—Zn alloy, 25:655
LEPORE, Romolo Nuclear security and health protection, 24:22370
  Saturated vapor turbines for nuclear power stations, 22:35511
  Solutions of safety problems encountered in operation of Italian nuclear power plants, 25:53972 (A/CONF.49/P-173)
LEPORSKII, B. B. Electrometer amplifiers of constant current for mass spectrometers, 23:31592
LEPOUTRE, Pierre-Francois Study of the influence of grafting on the cellulose—water relationship, 24:48134
LEPPAELUOTO, J. Comparison of amounts of inorganic I recovered by paper electrophoresis of digested, homogenized, and intact rat thyroid lobes, 25:51989
LEPPAEMAEKI, H. Table of cross sections of some reactions induced by 14 to 15 MeV neutrons, 25:12353 (NP-18616)
LEPPARD, Gary G. Microsurgical application of a pulsed ruby laser in experimental cell biology, 21:24335
LEPPARD, J. A. Review of SCTI bellows failures, 21:462 (NAA-SR-Memo-11970)
  Summary of SCTI experience, 22:16204
LEPPARD, L. B. Radioactivity-accident hazards, 21:1753
LEPPELMEIER, G. W. Superfluidity in finite systems: propagation of fourth sound and the density of superfluid, 21:37352
LEPPER, R. Active radiation shield for cylindrically shaped vehicles, 25:43425
  Charged particle motion in magnetic radiation shielding fields, 23:32550 (N-69-10232)
  Quasi-hollow conductor magnet as a space shield against electrons, 21:37519
LEPPERT, G. Heat transfer from plasma in tube flow, 24:46424
  Laminar flow heat transfer from an argon plasma in a circular tube, 22:12524
LEPPERT, George Investigation of arc jet temperature-measurement techniques, 21:20931
LEPPING, R. P. Single spacecraft method of estimating shock normals, 25:43236
LEPPING, Ronald P. Use of two magnetometers for magnetic field measurements on a spacecraft, 25:40477
LEPPLE, Fred K. Isothermal compressibility of deuterium oxide at various temperatures, 25:15593
LEPRAT, J. Distant hazards of the treatment of hyperthyroidism with radioactive iodine, 25:32592
LEPRE, G. Stabilization of a sampling oscillograph by wave form measurements, 23:2553 (EUR-3947)
LEPRETRE, A. Photoneutron cross sections of ^{208}Pb and ^{197}Au, 25:12610
  Photonuclear reactions (γ,xn) in spherical nuclei, 25:17932
LEPRI, Franco New method of electronic scanning of tracks in nuclear emulsions, 21:17857
LEPRI, L Behavior of cation-exchange thin layers with alkaline and neutral salt solutions as eluents, 24:22761
LEPRI, L. Mechanism of ion exchange with alginic acid, 23:19733
LEPRI, M. A. Decay of ^{103}Pd—/sup 103m/Rh, 23:25936
LE PRINCE, M. Reaction ^{209}Bi(p,f) reaction at 30, 34, and 40 MeV, 25:17937
LEPRINCE, P. Ionic modulation of Tonks—Dattner resonances in self-maintained plasma, 22:50155
  Plasma resonances in laboratory plasmas, 24:37511
  Propagation of high-frequency plasma, 24:51646
  Transition between two resonances of an autoresonant high-frequency discharge, 22:22180
LEPRINCE, Philippe Amplitude of plasma wave echoes, 24:19926
  Discharge maintained by a direct current and high frequency waves, 25:14266
  Propagation of electromagnetic wave along plasma column, 21:3857
  Propagation of waves in plasma guides. II, 23:34410 (NP-17867)
  Wave propagation in plasma guides, 22:17644
LEPRINCE-RINGUET, Louis High energy physics, 23:30706
LEPRONI, V. CIAP-1D code, 22:42395 (RT/FI-(68)9)
  CLETA code, 24:41061 (RT/FI-(69)43)
  DIRAC code, 24:26833 (RT/FI-(69)18)
  EDEN and EDEN* codes for heterogeneity calculation in fast reactors, 23:33041 (RT/FI-(69)1)
  GLOBPERT-1D code, 22:35672 (RT/FI-(68)10)
  Heterogeneity calculation in fast reactor lattices, 22:35470 (RT/FI-(68)11)
  SCR: IBM-7094 code for calculation of nuclear reactor fast power transients, 21:13986 (RT/FIMA-(66)4)
LEPROUX, Gerard Applications of logic matrices to some problems of nuclear physics, 22:25698
LEPSCKY, C. Effect of porosity of sintered UO_2 and kinetics of thickening of grains, 22:52234 (RT/ING-(68)3)
  Hot cells for post-irradiation cxamination of samples of low activity, 24:33862 (RT/ING-(69)20)
  Irradiation tests of sol-gel products, 24:30050 (CONF-700502-, pp 374-413)
  Performance of experimental fuel operating at central melting, 24:33558
  Release of fission gas from irradiated UO_2, 25:49580 (RT/MET-(70)8)
  Uranium—plutonium mixed oxide sol-gel irradiation experiments, 24:46815
  Uranium—Pu mixed-oxide Sol-Gel irradiation experiments, 23:36276
LEPSELTER, M. P. SB-IGFET, II: an ion implanted IGFET using Schottky barriers, 23:35556
LEPSKI, D. Isotope effect in interstitial diffusion. III, 21:46425
LEQUAIS, J. Device for triggering gas detector of nuclear particle, 22:19159
  Nuclear particle detector of the gas type, 23:4809
  Stationary gas detector and a new type of gammascope, 23:13975 (CEA-CONF-1035)
  Stationary gas detector and a new type of gamma camera, 23:33463
  Visualization by image intensifier of radioactive indicator flow through the cardiac chambers and the large vessels, 25:11120
LEQUAIS, Jean Device for triggering a nuclear particle detector of the gas type, 22:28172
  Gas-filled spark chamber radiation detector, 25:34876
  Particle detector, 22:2385
  Particle detector, 25:37601
  Stationary detector for visual display, 25:18689
LE QUAN, Lucien Computer calculation of γ-loggings in uraniferous deposits, 24:46370 (CEA-N-1279)
LE QUERLER, Yves Antiproton—complex nuclei elastic scattering in nuclear emulsion at 3 GeV/c, 22:46855
  Small antiproton-complex nuclei elastic scattering angles at 3 GeV/c, 22:32061
LEQUESNE, M. Algodystrophy of chemotherapeutic origin, 23:50923
LEQUEUX, J. Balloon observations of the far-infared spectrum and brightness temperature of the Sun, 23:3221
  Cosmic radiation and synchrotron radiation, 21:37189 (ESRO-SP-6, Paper 4)
  Cosmic rays and synchrotron radiation, 21:33222 (N-66-30885)
  Measurement of galactic magnetic field, 23:44069 (AD-685668)
  Measurement of the galactic magnetic field, 23:22849
  Physics and evolution of galaxies, 23:39279
  Quasi-stellar radio sources, 24:10252
  Radiation transfer and continuous radiation of accelerated charged particles, 22:29101
  Radio continuum of galaxies. I, 25:58645
  Radio continuum of galaxies. II, 25:58646
  Radioelectric properties of galaxies, 22:29106
  Statistical properties of radiogalaxies, 21:5048
  Theory of spectra of radio sources, 22:29103
LEQUEUX, James Molecules in interstellar space, 25:30128
  Nature of far infrared radiation of galactic center, 24:8297 (AD-693052)
  Nature of the far-infrared radiation of the galactic center, 24:15102
  Observations of Sagittarius A at 1415 and 2695 MHz, 22:45855
  Quasars and quasistellar galaxies cannot differentiate between the models of the universe, 21:14932
LEQUIN, R. M. Radioimmunoassay for parathyroid hormone in man. II, 24:50667
  Radioimmunoassay for parathyroid hormone in man. I, 24:50668
LE QUINIO, R. Use of activable tracers for studying the diffusion of atmospheric pollutants: industrial applications, 25:32088
LE QUINIO, Robert Diffusion of gaseous effluents in free atmosphere from point source, 24:20890 (CEA-R-3945)
LER, Boguslaw Liquid helium cryostat for neutron diffraction studies, 24:28188
LERACH, J. Description of purpose and function of fueling machines in A-1 nuclear power station, 24:18512 (ZJE-60)
  Loading and unloading machines at first Czechoslovak nuclear power station, 24:28865
LE RALLE, J. C. Measurement of fast neutron flux by means of silicon diodes sensitive to damage, 23:13977 (CEA-CONF-1067)
  Neutron upper shielding of PHENIX, 24:49974 (CEA-N-1349)
LERAT, J. M. Characteristics of barriers for gaseous diffusion, 23:50078
LERAY, H. Radiolysis of tetrachloro compounds, 24:9376
LERAY, J. P. Gamma rays and high-energy electrons in the cosmic radiation, 23:14654
  Optical spark chamber for the search of gamma-ray sources, 25:2841 (CEA-CONF-1633)
LE RAY, M. Anisotropy of counterflow of liquid helium II past flat plate, 22:17607
  Behavior of shear waves in interaction of superflow with the vortex lattice, 25:56053
  Counterflow of liquid helium II in a rotating channel, 23:48847
  Effect of a superflow on a vortex lattice, 24:21745
  Fourth sound attenuation by a superflow in a porous medium, 24:32772
  Modulation of a thermomagnetic effect at low temperatures and detection by second sound in helium, 23:34349
  Stability of a vortex lattice in the presence of a superflow, 25:38284
  Velocity of second sound in rotating helium II, 25:56054
LERAY, T. Angular distribution of π^0 in reaction $\pi^+ + p \rightarrow \pi^+ + p + \pi^0$ between 600 and 1300 MeV, 23:8756
  Backward elastic scattering from 875 to 1580 MeV/c, 24:49349
  Spectrometer using magnetostrictive chambers, 23:47826
LERCH, C. CORONA: program for two-group control rod calculations in reflected reactor, 25:3926 (EIR-166)
LERCH, I. A. Bioluminescence and radiation response of Photobacterium fischeri H-2, 25:4730
LERCH, Irving A. Response of Photobacterium fischeri MAV exposed to an ultra high dose-rate pulsed electron beam, 25:19154
LERCH, J. Moessbauer investigations on the 2^+-rotation levels of ^{176}Hf and ^{180}Hf, 21:1098
LERCH, Krzysztof Lymphography in secondary lymphatic edema, 21:43467
LERCH, P. Analysis with aid of radioactive reagents. II, 21:14166
  Analysis with the aid of radioactive reagents, 21:2987
  Radioactive indicators: principles, advantages, and limits, 21:12346
  Strontium-90 contamination of skeleton, 24:41744
LERCH, Pierre Determination of the isodose in water of high energy electron beams, 22:51697
  Energy transfer in liquid medium with the aid of scintillation counting, 23:21978
LERCH, R. E. Application of aqueous technology to LMFBR separations processes. Program plan for Task T-2: fuel dissolution characteristics, 25:13083 (WHAN-FR-33)
  Carbon bed treatment of aqueous plant waste for removal of organic materials, 23:40794 (BNWL-1109)
  Corrosion of stainless steel in solutions of Ce(IV)—nitric acid, 23:22461 (BNWL-CC-1646)
  Dissolution of unirradiated mechanically blended mixed-oxide fast reactor fuel, 25:39583
  Dissolution of unirradiated mechanically blended mixed oxide fast reactor fuel, 25:42954 (HEDL-SA-131)
  Dissolution properties of UO_2—PuO_2 thermal reactor fuels, 25:46539 (BNWL-1581)
  Effect of fabrication variables on the dissolubility of unirradiated mechanically blended mixed oxide fast reactor fuel, 25:15732 (WHAN-FR-34)
  Oxidation of Ce(III) by ozone and by electrolysis, 22:42648 (BNWL-805)
LERCHE, I. An equilibrium state for the interstellar gas and magnetic field, 21:39751
  Boundary layer between a warm, streaming plasma and a confined magnetic field, 22:2941
  Coherent radio emission from cosmic-ray air showers in the turbulent atmosphere, 25:1031
  Collective bremsstrahlung from relativistic electrons as a possible mechanism in radio sources, 24:8271
  Cross modulation of supraluminous waves in a one-dimensional plasma, 24:42731
  Dynamical state of the interstellar gas and field. VI, 23:5184
  Effect of interstellar density fluctuations on signal dispersion measure, 24:19644
  Enhanced bremsstrahlung from supraluminous, and subluminous, waves in isotropic, homogeneous plasma, 23:1473
  Faraday rotation, dispersion in pulsar signals, and the turbulent structure of the Galaxy, 23:48674
  Generation of magnetic fields in astrophysical bodies. VII, 25:49683
  Gravitational kinetic equations, 25:30237
  Initial value problem for oscillations of the interstellar gas, 21:22949 (N-67-15213)
  Initial-value problem for oscillations of the interstellar gas, 21:46054
  Instability of transverse waves in a relativistic plasma, 23:14821
  Interstellar gas and field, 24:10333
  Interstellar polarization of starlight and the turbulent structure of the Galaxy, 23:41883
  Kinematic-dynamo action under incompressible, isotropic velocity turbulence, 25:52568
  Kinematic-dynamo theory. I, 25:35786
  Kinematic-dynamo theory. II, 25:35787
  Kinematic-dynamo theory. III, 25:45263
  Kinematic-dynamo theory. IV, 25:47310
  Landau poles, branch cuts, and supra-luminous waves in a one-dimensional plasma, 24:35492
  Motion of current sheets and emission from pulsars. II, 24:35070
  Motion of current sheets, and the radio, optical, and x-ray emission from pulsars, 24:12546

Motion of current sheets, and the radio, optical, and x-ray emission from pulsars. III, 25:863
Nonequilibrium and enhanced mixing at plasma—field interface, 22:4939
Nonrelativistic equations of bulk motion of relativistic gas. II, 22:4982
Nonrelativistic equations of bulk motion of relativistic gas. III, 25:928
Origin of the nonthermal radio emission at 0.4 to 6.5 MHz, 25:33015
Quasilinear theory of resonant diffusion in a magneto-active, relativistic plasma, 22:41592
Random force-free magnetic fields, 25:7103
Relativistic gardenhose instability. II, 21:16956
Relativistic kinetic equations for plasma, Coulomb fields, and radiation, 24:10511
Resistive effects in the turbulent photosphere and chromosphere, 25:30180
Scattering of supraluminous plasma waves by inhomogeneities, 22:31839
Space-charge waves and the isotropy of the galactic cosmic ray plasma, 21:29303
Space-charge waves in a trapped relativistic plasma, 25:19734
Spontaneous and induced Cherenkov emission in turbulent medium, 24:47048
Stability of an equilibrium state for the interstellar gas and magnetic field, 21:46053
Stability of the interstellar gas and field including rotation, 21:26944
Supra-luminous waves and power spectrum of isotropic, homogeneous plasma, 22:17681
Supraluminous waves in astrophysical plasmas, 22:43784
Theory of radio pulses from cosmic ray air showers, 21:33228
Transverse electromagnetic waves in the cosmic-ray gas, 22:1212
Turbulent fluctuations in the interstellar gas, 24:23690
Unstable magnetosonic waves in a relativistic plasma, 21:16841
Wave phenomena in the interstellar plasma, 24:3132
LERCHE, Ian Initial-value problem for relativistic plasma oscillations, 22:13472
Resonant wave particle effects, 23:44132
Supra-luminous plasma waves, 23:44422
LEREDDE, Jean-Louis Determination of ^{90}Sr in radioactive effuents using TTA, 24:22593 (CEA-R-3908)
LERENA, R. Densitoserigraphic method in analysis of isodose curves, 24:2662
LERFALD, G. M. D-region electron temperatures at the northern auroral zone, 24:42555
High-altitude nuclear detection studies. II, 25:41933 (AD-719620)
Results from an rf capacity probe experiment in the auroral ionosphere, 22:5255
LERIBAUX, H. R. Accurate analytic predictions for virial equation-of-state of sodium, 25:40041
LERIBAUX, Henri R. P_3-approximation of neutron transport theory, 24:3830
Space—time pair correlation function of Maxwell—Boltzmann fluid in T-approximation for temperature Green's functions. I, 25:36373
LERIDON, A. Critical assembly mockup of SEFOR reactor in ZPR-3, 21:35694 (ANL-7320, pp 560-8)
Utilization of a chain of current pulses for the spectroscopy of in-pile neutrons, 25:37627
LE RIGOLEUR, C. Detector for fast neutrons with small dependence of response on energy, 23:47753
Parasitic effects in cross-section measurements of ^{6}Li(n,α)T, 25:53596 (CONF-701002-, pp 136-40)
System for time-of-flight measurements on fast neutrons, 23:49259
Theoretical study of elastic and inelastic scattering cross sections of fast neutrons of sulfur, 25:17830
LE RIGOLEUR, C. O. Nickel-60 neutron elastic- and inelastic cross sections from 6.5 to 8.5 MeV, 24:28735 (ORNL-4523)
LERMA, I. S. Hardening of low and high dose γ-irradiated NaCl, 24:1105
Temperature dependence of γ-irradiation hardening in NaCl, 24:51793
LERMAN, Abraham Moessbauer quantitative analysis of Fe^{+3}/Fe^{+2} ratios in some phosphate and oxide mixtures: possibilities and limitations, 22:20081
LERMAN, G. I. Gamma-logging by scintillation detectors, 24:27460
LERMAN, J. C. Effect of Tunguska meteor and sunspots on radiocarbon in tree rings, 22:6485
LERMAN, Sidney DNA synthesis in epithelial cells of dogfish, 22:12769
LERNER, E. Magnetic properties of superconducting Mo—Re alloys, 21:13505
LERNER, Eugenio Thermal, electrical, and magnetic properties of superconducting Mo—Re alloys, 21:33353
LERNER, G. M. Measurement of (p,p) and (p,α) cross sections for Li and F, 23:19155
LERNER, Gerald M. Off-shell effects in knockout reactions, 25:12670
LERNER, Harvey Combined treatment for cancer of head and neck, 24:32137
LERNER, Harvey J. Combined chemotherapy and radiotherapy, 22:25920
LERNER, J. Alpha decay of ^{247}Cm, 25:17881
Decay properties of ^{244}Pu, and its existence in nature, 21:10060
LERNER, J. L. Curium-250 production in a high-flux reactor, 21:38296 (ANL-7330)
Decay of 10.4-min ^{143}Gd, 21:13872
Fission cross sections for ^{243}Pu, ^{250}Bk, ^{247}Cm, ^{245}Cm, /sup 254m/Es, and ^{254}Es, and odd—odd systematics, 23:1920
New properties of ^{254}Es and ^{255}Es, 21:23503
Nuclear properties of ^{251}Bk, 21:19263
Prompt neutron fission yield in thermal neutron fission, 24:38283
Prompt-neutron fission yield (anti τp) in thermal-neutron fission of ^{233}U, ^{239}Pu, ^{241}Pu, ^{241}Am, /sup 242m/Am, ^{243}Cm, ^{245}Cm, and in spontaneous fission of ^{244}Cm, 24:40600 (ANL-7625)
LERNER, Jerome L. Note on error estimation when a calibration curve is used, 24:2513 (ANL-7584)
LERNER, Jerry Preparation of nuclear research materials with a laboratory-type isotope separator, 25:57649 (CONF-711002-, pp 1-9)
LERNER, M. I. Inelastic phenomena in molybdenum due to diffusion, 23:27115
LERNER, M. W. Spectrophotometric determination of Ta in B, U, Zr, and U—Zircaloy-2, 21:21874
Titrimetric determination of U in product, fuel and scrap materials after ferrous ion reduction in phosphoric acid, 25:20912
Titrimetric determination of uranium product, fuel, and scrap materials after ferrous ion reduction in phosphoric acid. I and II, 24:38712 (NBL-252)
LERNER, Michael P. Distribution of polysomes in mouse brain tissue, 25:3986 (UCLA-12-796)
LERNER, Morris W. Analysis of elemental boron, 25:4009 (TID-25190)
LERNER, N. R. ESR spectra of oriented polytetrafluoroethylene subjected to 20-nsec pulses of electrons, 23:24225
Spin resonance in irradiated plastics, 22:34130 (NP-17353)
LERNER, S. R. Data acquisition and computer treatment of dual head rectilinear scanner output, 24:39223 (PRNC-135, pp 158-62)
LERO, N. P. Design of a wideband pulse amplifier, 23:40985 (EUR-4289, pp 85-91)
LEROI, G. E. Analysis of the pure rotational absorption spectra of hydrogen sulfide and deuterium sulfide, 23:13708
Infrared spectrum of deuterium sulfide, 21:17623
Raman spectra of polycrystalline H_2S and D_2S, 22:48864
LEROI, George E. Direct observation of the infrared torsional spectrum of C_2H_4, CH_2CD_2, and C_2D_4, 22:18767
LEROUGE, B. Rise of active water flow in Osiris reactor pool, 24:26809 (NP-tr-1886)
Rise of active water flow in the Osiris reactor pool, 23:43150
LEROUGE, Bernard Fuel elements in core of reactor PEGASE: description, successive improvements, actual possibilities, 22:6089 (CEA-R-3213)
Irradiation devices used in French research reactors, 24:47899 (CEA-CONF-1570)
OSIRIS: operation and utilization status, 24:11229 (CEA-CONF-1462)
LEROUGE, Georges Nuclear fuel element, 24:22515
Process and equipment for casting metallic nuclear fuel rods, 25:40009
Uranium alloy, 24:19432
Uranium alloy and process for its preparation, 21:35785
Uranium alloy with a low Mo content, 24:23450
Uranium alloy with a low Mo content, 24:23479
LE ROULLEY, J. C. Use of low-level α spectrometry in the determination of elements occurring in traces in natural mineral substances, 25:10477
LE ROULLEY, Jean-Claude Correlations between ^{210}Pb deposit in Antarctic and fluctuations in Earth's magnetic field, 25:29211
LEROUX, B. Study of (n,α) reactions and nuclei ^{16}O and ^{14}N at 14.9 MeV, 22:44626
LEROUX, G. F. Physical and clinical considerations of the betatron after two years of use, 22:23565
LE ROUX, H. J. Complex formation of Zr(IV) and Hf(IV) with hydroxamic acids in acidic solutions, 24:36373
Extraction of zirconium and hafnium with trifluoromethyl-substituted hydroxamic acids, 24:46312
LEROUX, J. Low impedance passive integrator for fast pulses at high voltage, 24:5958
Multishot and multichannel fast ejection, 23:28001
Precision measurement of weak magnetic fields, 23:17015 (CERN-67-32)
LEROUX, J. M. Description of some superconducting magnets and their accessories, 23:6251
LE ROUX, P. Influence of pressure on Pu—Ga phase diagram, 25:52382
Influence of pressure on stabilization of delta phase of Pu by Ga, 21:32910
LE ROUX, P. L. M. Calculation of percentage depth doses for irregular radiation fields employed in radiotherapy, 25:21707
Cesium applicator for the treatment of skin cancer, 24:34562
LEROUX, Pierre Winding with reduced mechanical stresses, 21:41092
LE ROUX, Yvonne Action of chemical species generated from water radiolysis on carbon—carbon double bonds, 21:34299
γ irradiation on puric bases in aqueous solution, 25:49107
LEROY, A. Partial control for the reliability of the ESSOR reactor during studies with the data acquisition system, 23:40348
LEROY, B. Isotope effect measurement by diffusion of ^{55}Fe and ^{59}Fe in ferrous oxide, 25:20980
LEROY, C. Intense ion beam with very low extraction voltage, 24:45279
Mont Arret power plant: EL-4, 23:40296
Survey and control of EL4 reactor, 22:30270
LEROY, Claude Blowing loop in EL 4 reactor: CO_2 flow control analog study. I, 21:5604 (CEA-R-2793)
Nuclear reactor with an integral charge device and heat exchanger, 22:39844
Nuclear reactor, 22:48706
LE ROY, D. J. Equilibration of ortho- and para-H on alumina at 77°K and its influence on the determination of small amounts of excess para H_2, D_2, and HD in the presence of large amounts of normal H_2, 24:50346
Isotope effects in the reaction $C_2D_5 + D_2 = C_2D_6 + D$, 24:9333
Kinetics of the four basic thermal three-centre exchange reactions of the hydrogen isotopes, 22:33303
Test of transition-state theory using experimentally determined rate constant ratio for reactions $H + H_2$ and $H + D_2$, 24:48102
LEROY, E. Planning of CERN projects with help of PERT method, 24:45621 (CERN-70-15)
LEROY, Elie P. Ultrastructure of canine alveoli after supervoltage irradiation of the thorax. I, 21:16494
LEROY, G. Planning of CERN projects with help of PERT method, 24:45621 (CERN-70-15)
LEROY, George V. Long-range effects of radiation, 23:50589 (CONF-671135-, pp 191-2)
Re-examination of NCRP report no. 29, 23:20205 (CONF-680507-, pp 494-516)
LEROY, J. Acceleration and reflection of plasma beams in mixed structures (hf + static), 21:13560 (AGARD-CP-8(Vol.2), pp 643-58)
Interaction of a progressive high-frequency field in continuous regime, 23:18627 (CONF-680113-(Vol.2), pp 769-74)
LEROY, J. L. Automation of a nuclear physics laboratory by computer. I, 25:33931
Brightness of the corona in the vicinity of solar protuberances, 21:11348
Changes in the intensity of the 5303 A and 6374 A coronal lines in the course of the last two solar cycles (1944-1964), 21:36978
Control of a Van de Graaff and experiments by a computer, 23:49276
Detector for fast neutrons with small dependence of response on energy, 23:47753
Efficiency of ^{6}Li glass scintillator by associated particle method, 24:44286
Evolution of coronal emissions in the course of the life of an active center, 23:36408
Fission cross-section for ^{235}U and ^{239}Pu between 0.025 and 1 MeV, 25:15068
Measurement of neutron flux by Mn bath, 25:6543
Measurement of the cross section of the reaction ^{6}Li(n,α)T by the associated-particle method, 22:18147
Measurements of fast neutron fluxes in the range of 10 keV to 1 MeV, 25:13216
New absolute measurement of neutron-induced fission cross sections of ^{235}U, ^{239}Pu, and ^{241}Pu from 17 keV to 1 MeV, 25:53733 (CONF-701002-, pp 257-71)
Parasitic effects in cross-section measurements of ^{6}Li(n,α)T, 25:53596 (CONF-701002-, pp 136-40)
Pulsed Van de Graaff for time-of-flight neutron spectrometry, 23:47802
Sizes and electron density of coronal enhancements, 24:28007
Study of monochromatic images of solar prominences, 24:32576
LEROY, J. P. Strong interaction corrections to Coulomb-coherent production of rho by π on nuclei, 21:30051
LEROY, J.-L. Observation of proton flares, 23:22777
Photography in Hα, Hβ, and D_3 of the active prominence of July 9, 1966, 23:22784
LEROY, J.-P. Additivity of conserved charge operators, 22:39477
Three-body final state in the photoproduction of π on the deuteron, 24:3578
LEROY, Jean Device for the production and confinement of ionized gases, 23:20932
Production and confinement of ionized gases, 24:17948
LEROY, Jean-Louis Monochromatic photography of coronal emissions, 25:13887
Photometric comparisons of H and He emissions in external regions of prominences, 23:34218
Research on the homogeneity of solar prominences with the aid of photographs in monochromatic light, 21:28911
Saturation of NMR lines of La and deuterium in La deuteride, 25:40829
LEROY, Jean-Luc Search for a ^{236}Np fission isomer, 25:17857 (CEA-N-1339)
LEROY, Jean-Marie Study of the system: sodium diuranate—vanadium hemipentoxide, 24:36989
Ternary system UO_3—V_2O_5—Na_2O, 25:29998
U-Ni—S system, 24:44738
LEROY, Jules Einstein space of N type with nonintegrable radii, 24:37908
LEROY, M. Device for the representation in plan of radiation emitted by an object, 23:661
LEROY, Marcel Device for determining liquid volumes by measurement of the dilution of a radio-active solution, 23:722
Device for the representation in plan of radiation emitted by an object, 22:23362
Radiation detecting device, 25:18688
LEROY, Maurice J. F. Coordination complexes of uranyl halogenides with dimethylsulfoxide. II, 21:15905
Ionization of the coordination complexes of uranyl halides with N,N-dimethylformamide in organic solvents, 21:3058
LEROY, P. Pereau Genetic effects of gamma and neutrons on barley seed, 22:43296
LEROY, Paul Study of tributyl phosphate—30 percent dodecane solvent, 21:30392 (CEA-R-3207)
LEROY, Rene Machine tool for cutting coaxial tubes of a pressure-tube reactor, 22:4263
Machine tool for cutting coaxial tubes of a pressure-tube reactor, 23:38153
LE ROY, Robert J. Collision time-delay functions and quasi-bound level properties of $H_2(X^1\Sigma$/sub g/$^+)$, 25:43124
Dissociation energy and vibrational terms of ground-state (X $^1\Sigma$/sub g/$^+$) hydrogen, 23:5252
Eigenvalues and expectation values for levels of ground-state H_2, HD, and D_2, 25:43123
LEROY, V. Dispersion-strengthened ferritic steels for fast reactor fuel cans, 25:47119
LEROY-BEAULIEU, H. Present state of industrial use of radioisotopes in France, 22:12545

LERSMACHER, B. Pyrolytic graphite, 21:41642
LERUSTE, P. Analytical continuation in the determinantal method, 23:23562
  Model for eta production and S_{11}-wave, 24:20160
LERUSTE, Ph. Breit—Wigner models and effective range approximations, 25:14702 (PAM-70-8)
  General theorems on factorization, 25:12292
  Local models for antikaon—nucleon collisions, 25:36505 (PAM-71.1)
  Polology, factorization, and unitarity, 24:52211 (PAM-70-7)
  Rational approximations and phenomenological models, 25:25524 (PAM-70-9)
  Relativistic extension of Le Couteur—Newton formalism, 24:1664
  Relativistic extension of the Le Couteur—Newton formalism. II, 24:13037
  Relativistic extension of the Le Couteur and Newton formalism. VIII, 24:52210 (PAM-70-1)
LERUSTE, Philippe Relativistic extension of Le Couteur—Newton formalism, 22:24739
LERVIG, Philip Quantal treatment of directional effects for energetic charged particles in crystal lattices, 21:22994
LES, Z. Isotope shifts between even isotopes ^{64} ^{66} ^{68} ^{70}Zn in visible Zn II lines, 25:14927
LESACA, R. M. Calibration of film dosimeters with beta particles of different energies, 23:43609
  Gradation of dosimetric film for beta particles of various maximum energies, 24:41890
LESAGE, B. Slip and twinning in α-uranium, 25:35382
LESAGE, Cl. Rare form of odontoradionecrosis, 24:19342
LESAGE, L. Verification of Doppler measurements in zoned fast critical assemblies, 21:38685
LESAGE, L. G. Alpha-measurement in fast critical assemblies, 23:37647
  Capture/fission ratio in ^{235}U and ^{239}Pu, 24:22502
  Initial experimental results from ZPR-6 Assembly 7, 25:41514
  LMFBR demonstration reactor benchmark critical experiments program, 25:41515
  Null compositions, central reaction ratios, and reactivity worths in ZPR-9 assemblies 24 and 25 and ZPR-3 assembly 55, 24:33415
  Summary of critical-mass-configurations, material concentrations, and control-rod worths for ZPR-9 zoned fast critical assemblies 11-25, 25:41501 (ANL-7773)
  Verification of zoned fast critical assemblies, 23:4356
  Zoned-core concepts, 21:38688
LESAGE, Leo Gay Measurements of neutron radiative capture resonance integrals, 21:34011
LESAS, P. Superconducting magnets for nuclear and electronic resonance, 21:3797
LESBATS, A. New developments in the systematic analysis of high-purity metals and especially of Al, Cu, and Zr, 21:12322
LESBRE, M. D. Behavior of the solar cell AlZFH$_2$ under irradiation, 24:33982
LESCA, L. Calculations of epithermal neutron spectra in LENA reactor, 23:37612 (EUR-4227)
  Determination of neutron capture resonance integrals of ^{55}Mn, ^{115}In, ^{121}Sb, ^{123}Sb, and ^{139}La, 22:46758
  Threshold reaction excitation functions intercalibrated in a pure fission specturm, 24:35838
LESCINSKY, M. Influence of γ radiation on electrical properties of triglycinsulphate, 21:17660
LE SCORNET, J. C. Low-noise charge-sensitive preamplifier for a germanium detector, 21:36375
LESCRENIER, C. Electron betatron (10 to 25 MeV) and the use of plane densitometer to analyse beam distributions, 23:6528
LESETICKY, L. Note on a paper "isotopic enrichment of ^{14}C by chromatography on thin layers", 21:156
LESEUR, Andre Electrochemical properties of U and Pu in LiCl—KCl eutectic, 23:35053 (CEA-R-3793)
LESH, Janet Rountree Internal motions in Orion association. I, 22:36650
  Internal motions in the associations II Per and I Lac, 23:51206
  Kinematics of Gould belt, 23:6866
LESHCHENKO, B. E. Pulsed neutron source, 25:31178
LESHCHENKO, L. H. Change in physical chemical state of radionuclides in sea water, 24:7719
LESHCHENKO, L. N. Direction and speed of ionized formations in F region, 24:39972
LESHCHENKO, S. S. Action of ionizing radiation on the structure and properties of the copolymer of styrene with 2-ethylhexyl acrylate, 25:18436
  Conjugated double bonds in γ-irradiated copolymers of ethylene with propylene and α-butylene, 23:9491
  Effect of γ irradiation on copolymer of ethylene with α—butylene, 22:33414
  Effect of polyfunctional monomers on radiation crosslinking of polyethylene, 21:38966
  Effects of γ radiation on copolymers of ethylene with propene and 1-butene, 23:4680
  Investigation using Moessbauer effect of mechanism of thermal stabilization of irradiated polyethylene by certain organic tin compounds, 23:4697
  Problems of radiation chemistry of polypropylene, 22:33454
  Question of role of TRANS-vinylene unsaturation in processes of radiation linking of polyethylene in presence of polyfunctional monomers, 22:33415
  Radiation chemistry and cable engineering, 23:49866
  Radiolysis of various styrene and vinyltoluene copolymers, 23:4650
  Spectroscopic investigation of the low-temperature radiolysis of some polyolefins, 25:4118
  Structure of irradiated ethylene with vinyl chloride, 23:49841
LESHCHINSKAYA, G. P. Pressing and sintering of carbonyl molybdenum powders, 23:24830
LESHCHINSKI, M. Energy stabilization system for Van de Graaff accelerator, 24:49634 (INR-1181)
LESHCHINSKII, A. F. Effects of radioactive P on carbohydrate metabolism, 21:22347
  Phosphor isotopes in oncological diagnosis, 23:50712
LESHCHINSKII, L. A. Use of ^{131}I labeled hippuran for assessing kidney function in cardiovascular diseases, 22:38374
LESHER, Janie Effects of single-dose, whole-body, ^{60}Co gamma irradiation on number of cells in DNA synthesis and mitosis in the mouse duodenal epithelium, 24:46656
LESHER, S. Changes in cell proliferation produced by gamma irradiation in intestinal crypt cells, 21:24593
  Chronic irradiation and ageing in mice and rats, 22:43413
  Compensatory reactions in intestinal crypt cells after 300 roentgens of ^{60}Co gamma irradiation, 22:36203
  Damage, repair, and recovery in proliferative cells of mouse duodenal crypt following single-dose whole-body irradiation, 22:12745 (CONF-671120-1)
  Effects of single-dose, whole-body irradiation on mouse duodenal crypt cells, 22:49560
  Effects of single-dose, whole-body, ^{60}Co gamma irradiation on number of cells in DNA synthesis and mitosis in the mouse duodenal epithelium, 24:46656
  Effects of x-irradiation on DNA synthesis and mitosis in the duodenal crypts of the mouse, 21:24619
  Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: single x-ray exposures, 25:44911
  Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: fractionated x ray exposures, 25:47002
  Intestinal crypt survival and total and per crypt levels of proliferative cellularity following irradiation: age response and animal lethality, 25:46993
  Irradiation of GI tract, 25:49289
  Radiation LD/sub 50/5/ and its relation to surviving intestinal stem cells, 24:14585
  Recovery of reproductive activity and maintenance of structural integrity in the intestinal epithelium, 24:12262
LESHINA, T. V. Chemical reactivity of some cyclic ketones in α—H exchange reaction, 23:9400
LESIGANG-BUCHTELA, M. Thin layer chromatography of inorganic ions: selective separation of uranium from mixtures of radioactive fission products, 22:12413
LESIGANG-BUCHTELA, Margrit Chromatography of inorganic ions: quantitative determination of U, 21:38882
  Thin-layer chromatography of inorganic ions, 21:25944
  Thin-layer chromatography of inorganic ions. V, 23:47617
LESIGNE, B. Pulse radiolysis of dimethyl sulphoxide, 25:51537
  Separations of the absorption and emission spectra of certain transitions by pulsed radiolysis at low pressure, 25:21056
  Transient species in the pulse radiolysis of periodate ion in neutral aqueous solutions, 25:57466
LESIGNE, Bernard Absorption oscillogram of CO$_2^+$(X^{2}PI/sub g/) and N$_2^+$(X$^2\Sigma$/sub g/$^+$) ions in their ground state produced by pulsed radiolysis of CO$_2$ and N$_2$, 25:30274 (ANL-Trans-881)
  Absorption oscillogram of the ions CO$_2^+$ (X^{2}Ag) and N$_2^+$(X$^2\Sigma$g$^+$) in their fundamental state produced by pulsed radiolysis of CO$_2$ and N$_2$, 24:45030
  Contact surface and shock wave in an electromagnetic shock tube, 24:28303
  Kinetic study of hexavalent plutonium reduction by hydrogen peroxide in acid solution, 22:16479 (CEA-R-3168)
  Kinetic study of the reduction of hexavalent plutonium by hydrogen peroxide in acid solution, 22:50951 (RFP-Trans-47)
LESIMPLE, M. Separation of hydrogen isotopes by gas—solid chromatography, 21:39018
LESINSKI, J. Spectroscopic measurements of temperature in induction plasma torch, 22:44084 (INR-906)
LESINSKI, Jacek Spectroscopic measurements of the radial temperature distribution in powder seeded argon plasma, 24:42656 (INR-1173)
LESJAK, J. Projection of angular momentum and the generator coordinate method for light nuclei, 25:15196
LESK, Arthur M. Hartree—Fock approximation in computing electron affinities, 22:38783
LESKI, R. Population studies of the cherry fruit fly, Rhagoletis cerasi L, 25:27150
LESKIN, V. A. Mean multiplicity of neutron formation during cosmic ray μ-meson capture by Zn and Sb, 24:15863
LESKO, S. A. Jr. Chemical linkage of 3, 4-benzpyrene to DNA via free radical reaction, 23:6094 (NYO-3538-11)
LESKO, Stephen A. Jr. Interaction and linkage of polycyclic hydrocarbons to nucleic acids, 25:142 (TID-25513)
LESKOV, L. V. Current distribution in a pulsed plasma accelerator with dielectric erosion, 24:49203
  Energy characteristics of pulsed plasma accelerators with dielectric erosion, 24:51726
  Plasma acceleration in accelerators with dielectric erosion, 24:49201
  Pulsed two-stage plasma accelerator, 24:49202
  Tests of a pulsed plasma accelerator of rail geometry, 21:29253
LESKOV, N. M. Slow amplitude and phase variations of 10 cm radio waves on traces near earth, 23:22983
LESKOVAR, B. Matching and backing problems in piezoelectric readout systems, 21:39216
  Microwave planar triodes in preamplifiers of nuclear magnetic resonance spectrometers, 21:6351
LESKOVAR, Branko Essential nonlinearity of phase-sensitive detector characteristics, 23:4856 (UCRL-18301(Rev.))
LESKOVEC, R. A. High performance linear emitter follower, 25:18860
LESKOVIC, G. L. Correcting clinical recording in labeled-indicator techniques, 23:29180
LESKOVSEK, H. Application of SF$_6$ for delta^{34}S-determinations, 23:28698
LESLEY, James W. Chromosomal instability in mutant from irradiated tomato seeds, 21:43362
LESLEY, Margaret M. Chromosomal instability in mutant from irradiated tomato seeds, 21:43362
LESLEY, S. M. Production of radioactive myxin, 22:6748
LESLIE, B. C. Correlation of composition and heat-treatment with the microstructures of uranium carbides, 22:41115 (ORNL-3515)
  High-intensity xenon arc lamp for older research metallographs, 24:25195
  Metallograph for glove box operations, 23:30092
  Metallographic preparation of arc-cast thorium carbides and correlation of their microstructures with composition, 23:16473 (ORNL-4354)
  Preirradiation evaluation of pyrolytic-C-coated fuel, 21:18266 (ORNL-TM-1713)
LESLIE, D. C. Application of a film flow model to predicting burn-out under transient conditions, 22:231 (AEEW-R-542)
  Theory of resonance escape in heterogeneous fuel. III, 21:15708
  Two-phase flow and heat transfer, 21:16066
LESLIE, D. H. Effect of ternary additions on the decomposition of metastable beta-phase titanium alloys, 25:24600
LESLIE, Eugene V. Differential diagnosis of neoplastic and non-neoplastic disease, 24:29800
LESLIE, J. D. Electron tunneling investigation of quench-condensed superconductors, 25:11842
  Evaporated superconducting weak-link junctions, 24:19834
  Far-infrared absorption in superconducting Nb and Ta, 24:30296
  Phonon spectrum of superconducting amorphous bismuth and gallium by electron tunneling, 23:20825
  Self-field limiting of Josephson tunnel current, 23:27524
  Self-resonant current peaks in Josephson junctions, 25:19612
  Strong-coupling superconductivity in amorphous bismuth, 22:2976
  Temperature variation of the dc Josephson current in Pb—Pb tunnel junctions, 24:51571
LESLIE, J. R. Analogue states excited in reaction ^{54}Fe(p,γ)^{55}Co, 25:45985
  Broad range magnetic pair spectrometer for gamma rays of energy 5 to 50 MeV, 21:10633
  Collective nature of the second 2$^+$ state in ^{32}S, 24:43210
  Proton capture by ^{23}Na yielding γ-rays from giant resonance of ^{24}Mg, 21:38271
  Transitions between analog states of ^{55}Fe, 25:50677
LESLIE, T. E. Charge-exchange collisions between H$^-$ and Cs in energy range 2 to 30 keV, 25:38162
LESLIE, W. B. Antiflash device, 21:41087
LESLIE, Wayne P. Mutation rate for sex-linked lethals, 22:43295
  Radiation-induced mutation rate for sex-linked recessive lethals in mice, 23:45693 (ANL-7535, pp 17-19)
LESNIAK, H. Elastic scattering of high energy hadrons from deformed ^{12}C nucleus, 25:17707 (INP-721)
  Elastic scattering of high-energy hadrons from deformed ^{12}C nucleus, 25:14918
  Energy dependence of coherent production cross section in nuclei, 25:20029
LESNIAK, L. Coulomb interaction in elastic and almost elastic scattering of hadrons from nuclei, 24:52123
  Diffraction of high energy nucleons on nuclei and the real part of the nucleon—nucleon scattering amplitude, 21:27515 (INP-534/PL)
  Elastic and almost elastic proton—deuteron scattering at high energies, 22:9615 (INP-575/PL/PH)
  Elastic and almost elastic scattering of high-energy protons from deuterium, 22:29898
  Elastic electron scattering from nuclei and nucleon—nucleon correlations, 21:31832 (INP-540/PL)
  Elastic scattering of high energy hadrons from deformed ^{12}C nucleus, 25:17707 (INP-721)
  Elastic scattering of high-energy hadrons from deformed ^{12}C nucleus, 25:14918
  Elastic scattering of very high energy particles from nuclei, 21:17392
  Electron inelastic scattering form factors of the giant dipole resonance states, 22:20733
  Energy dependence of coherent production cross section in nuclei, 25:20029
  High-energy scattering from nuclei, 24:13117 (INP-682, pp 12-47)
  High-resolution transverse sum rules for electrons scattered inelastically from light nuclei, 21:25593
  Investigation of magnetic properties of nucleons bound in nuclei from an inelastic electron scattering sum rule, 22:20734
  Multiple collision theory and optical model of high-energy scattering from nuclei, 23:19164
  Role of Coulomb interactions in elastic and almost elastic scattering of hadrons from nuclei, 24:20094 (INP-687)
  Scattering of high energy electrons and nucleons from ^{4}He and nucleon—nucleon correlations, 21:44554
  Transverse sum rule for electrons scattered inelastically with large momentum transfers from light nuclei, 21:25594
LESNIAK, Leonard High resolution transverse sum rules for electrons scattered inelastically from light nuclei, 21:2016 (INP-485/PL)
LESNICHII, V. E. Radiation-chemical installation for the thermal radiative vulcanization of tires using spent fuel element as source, 22:2283
LESNIEWSKA, Barbara Characteristics of cross-section detectors with gas ionized by beta particles of tritium, ^{85}Kr, and ^{63}Ni, 23:17760
LESNIK, N. D. Spreading kinetics of liquid metals on solid surfaces. I, 25:32701

LESNIKOVICH, A. I. Formation and stabilization of Cr(V) during radiation-chemical oxidation of Cr hydroxide coprecipitated with Zr hydroxide, 24:38964
LESNIKOWITSCH, A. I. Crystal structures in Cr_2O_3—ZrO_2 systems, 22:19657
LESNINI, David G. Reactions of chloride ion with 5-methyl-2-cyclohexenyl chloride, 22:21069
LESNOI, D. A. Identification of uranium minerals in uraniferous bitumens, 23:37896
LESNONI, G. Accuracy of power-distribution calculation methods for U and Pu lattices based on recent experiments and ENEL reactor operating data, 23:4342
  Calibration of reactor control rods, 23:26005
  Efficiency of absorbers in Latina reactor, 21:35570 (EUR-3487.i)
  Results of enquiry into prospects for use of Pu in ENEL water reactors, 23:4215 (AEC-tr-6946)
  Use of Pu in ENEL water reactor, 21:46841 (EUR-3478.i)
LESNONI LA PAROLA, G. Accuracy of power-distribution calculation methods for uranium and plutonium lattices, 24:16169
  Core reactivity build-up with irradiation in the Latina nuclear power plant, 21:15687
  Determination of intrinsic reactivity variations of Latina reactor, 23:33002 (EUR-4234)
  On-load calibration of Latina reactor control rods, 23:4195 (EUR-4058)
LESOURNE, M. Computer controlled dataway for nuclear informations, 23:41120 (EUR-4289, pp 331)
LESPERANCE, A. L. Accumulation of strontium in bovine bones, 21:10825
  Fission product uptake by cattle, 22:51310 (SAN-509-2)
  Strontium retention in the bovine, 22:10722
L'ESPERANCE, F. A. Jr. Opthalmic argon laser photocoagulation system, 24:14552
L'ESPERANCE, Francis A. Jr. Effect of laser radiation on retinal vascular anomalies, 22:15067
  Retina damage by laser radiation, 23:33858
  Xenon arc versus laser photocoagulation, 22:14962
LESPINAT, P. A. Example of technical co-operation in nuclear agronomy, 24:44384
LESPINE, J. Effect of x rays on living tissues, 21:12979
LE SQUEREN, A. M. Dimensions, temperature, and electron density of quiet corona, 23:39201
  Structure of normal galaxies at 2695 MHz, 24:51363
  Study of normal galaxies at 1415 MHz. I, 22:52420
LE SQUEREN, A.-M. Structure of radio galaxie Fornax A, 22:29136
LESS, L. N. Influence of pH on U—H_2O reaction, 22:12961 (AWRE-O-44/65)
  Products and mechanism of U—H_2O and UH_3—H_2O reaction, 22:12268 (AWRE-O-45/65)
  Uranium compatibility studies. IV, 22:15138 (AWRE-O-9/65)
LESSART, Pierre Processing ThC_2—UC_2 fuel extracted from high temperature reactors HTGCR, 24:4346 (CEA-R-3754)
LESSEL, A. Retrogression of human tumors as influenced by individual radiation doses and fractionation rhythms, 25:16263
LESSEL, Almuth Integral dose and relative tumor dose in tumor therapy. I, 23:20223
  Survival times of patients with bronchial carcinoma treated by fractionated doses or by split technique, 23:38733
LESSEN, Martin Stability of a magnetohydrodynamic half-jet. III, 21:41878
  Stability of a plane relativistic E layer in a plasma with imbedded shearing magnetic fields, 23:30575
  Stability of a relativistic magneto-gasdynamic half-jet, 21:42145
  Stability of magnetohydrodynamic half-jet. I, 21:669
  Stability of magnetohydrodynamic half-jet. II, 21:670
  Stability of magnetohydrodynamic shock waves, 23:12903
  Stability of relativistic magnetohydrodynamic shock waves, 21:27052
LESSER, M. B. Computer generation of series and rational function solutions to partial differential initial value problems, 23:37863 (UCRL-18775)
LESSER, P. M. S. Electromagnetic transitions in ^{51}V, 25:12492
  Error estimation in non-linear least squares analysis, 24:33887
  First excited state of ^{148}Sm, 25:5703
  First excited state of ^{60}Ni, 23:42903
  First excited states of ^{144} ^{146} ^{148} ^{150}Nd, 24:49909
  First excited states of ^{58} ^{60} ^{62}Ni, 25:3642
  Relative static quadrupole moments in Ni isotopes, 24:43218
LESSER, R. Fuel pins with ring shaped fuel distribution, 25:47154
  Masurca plutonium fuel elements fabrication, 23:8129 (EUR-3663)
  Uranium/Pu oxide fuel irradiation experiments related to fast reactors, 23:4235
LESSER, Richard Fuel element for a fast breeder and/or test reactor, 25:37027
LESSER, V. R. Micro-computer model for the definition and execution of complex information processing systems, 25:10394 (TID-25622)
LESSER, Victor R. Direct emulation of control structures by a parallel micro-computer, 25:8173 (SLAC-127)
  Variable control structure micro-computer architecture, 25:10395 (TID-25623)
LESSER, W. H. Radiographic techniques for reliability screening of relays, 22:12558 (N-67-23261)
LESSING, J. G. V. Benzylphenylarsinic acid as extractant for Zr(IV) and Hf(IV), 24:39024
LESSLER, R. M. Buggy preshot analysis, 24:19122 (UCRL-50390(Rev.1))
  Plowshare applications and cross section utilization, 25:48686 (UCRL-73022)
  Schooner preshot analysis, 24:27259 (UCRL-50530(Rev.1))
LESSLER, Richard M. Neutron shielding of underground nuclear explosives, 25:38537
  Plowshare explosive shielding, 25:4175
  Reduction of radioactivity produced by nuclear explosives, 24:41551 (CONF-700101-(Vol.2), pp 1563-8)
  Semiempirical neutron-induced reaction cross sections, 23:13313 (UCRL-50484)
LESSLY, R. E. Reactor Division, 25:18175 (IS-2300, pp 253-73)
LESSMANN, G. G. Comparative weldability of refractory metal alloys, 21:9097
  Effect of 1000 hour thermal exposures on tensile properties of refractory metal alloys, 21:16597 (WANL-PR(P)-012)
  Prog. rpt. on weldability and elevated temperature stability of refractory metal alloys, 12/65—3/66, 21:16574 (WANL-PR(P)-011)
  Varestraint test for refractory metals, 25:13695
  Weldability and elevated temperature stability of refractory metal alloys. V, 25:27178 (N-71-10353)
  Weldability and elevated temperature stability of refractory metal alloys. II, 25:27208 (N-71-10352)
  Weldability and elevated-temperature stability of refractory metal alloys. I, 25:16421 (N-70-36774)
  Weldability of tungsten base alloys, 24:12379
LESSMANN, Richard C. Elimination of end losses in MHD induction generator, 25:7205
LESSMANN, Richard Carl Analysis and design study of the compressible, traveling-wave, magnetohydrodynamic, induction generator, 25:7206
LESSOR, D. L. Neutron spectra from (α,n) reactions in plutonium compounds calculated from Hauser—Feshbach reaction theory, 25:59708 (BNWL-B-109)
LESSOR, Delbert Leroy Topics in the theory of weak interactions, 22:11643
LESTER, D. H. Mixing mock-up study of the Sodium Chemical Technology Facility Na reservoir, 24:25161 (BNWL-1269)
LESTER, Donald H. Constant voltage controller and transition monitor for superconducting magnets, 25:14221
LESTER, Joseph E. Off-axis Channeltron multiplier for quadrupole mass spectrometers, 24:48353
LESTER, R. S. Immunologic concepts of light reactions in lupus erythematosus and polymorphous light eruptions. I, 22:19410
LESTER, Richard G. Uneven distribution of pulmonary blood flow, 24:2734
LESTER, William Information requirements and their impact on nuclear power plant design and construction, 25:18042
LESTER, William A. Jr. Computational procedure for the close-coupled rotational excitation problem: scattering of diatomic molecules by atoms, 22:38765
  Statistical analysis of transition probability matrices in the strong coupled rotational excitation problem, 24:39863
LESTIBOUDOIS, G. Use of ultrasonics for testing foundry billets and semi-finished extrusions in alloys of Mg—Zr type for canning, 23:9666 (CEA-CONF-1069)
  Use of ultrasonics for testing foundry billets and wrought extrusion products in alloys of the Mg—Zr type for canning, 25:6482
LESTIBOUDOIS, Guy End system for fuel elements, 21:32046
LESTIENNE, R. Conference on high multiplicity hadronic interactions, Paris, 5/70, 25:30762
LE STRAT, J. Determination by [neutron] activation of W, 23:9322
LE STRAT, Jean Titration by activation of impurities present in W. Application to industry of lamps, 21:38911
LESTRINGUEZ, J. Cross sections for the production of beryllium isotopes from the 880 MeV alpha-particle bombardment of carbon, 25:59733
  Production cross sections of Li and Be isotopes in ^{12}C by high-energy protons and alpha particles, 25:28182
LESTUM, J. Utilization of the digital computer for fuel element management at the Monts d'Arree Nuclear Power Plant: EL-4, 23:40302
LE SUAN TU Radiosensitivity and total content of sulphhydryl groups in hemopoietic tissues of mammals, 22:19393
LESUEUR, D. Amorphization of a Pd—Si alloy by irradiation with fission products, 25:49584
  Effects of irradiation by fission products, 23:17488
LESUEUR, Daniel Amorphization of a Pd—Si alloy by irradiation with fission products, 25:29901 (CEA-CONF-1693)
  Amorphization under irradiation of a palladium—silicon alloy, 22:37054
LESUEUR, R. Measurement of partial outgassing flux of Mo and W at 2000°K, 25:19225
LESUEUR, Robert Measurement of partial degassing fluxes in Mo and W at 2000°K, 24:39619 (CEA-CONF-1516)
LESUNOV, I. P. Feed conditions and water and steam radiolysis suppression at Beloyarsk Nuclear Power Station, 22:35527
  Water control and prevention of water and steam radiolysis at Beloyarsk nuclear power station, 23:28354 (AERE-Trans-1112)
  Water regime and suppression of water and steam radiolysis in Beloyarsk nuclear power station, 22:48889
LESURF, J. E. Corrosion behavior of 2.5Nb zirconium alloy, 24:34850
  Corrosion problems in nuclear power stations: an introductory review, 21:2834
  Corrosion problems in nuclear power stations. II, 21:15673
  Effect of water chemistry on the oxidation of zirconium alloys under reactor radiation, 22:17072 (AECL-2797)
  Heat-treated Zr—2.5 percent Nb pressure tubes for water-cooled power reactors, 21:34074 (AECL-2890)
  Metallurgical properties of Zr-alloy pressure tubes and their steel end-fittings for CANDU reactors, 25:52385 (A/CONF.49/P-159)
  Oxidation and hydriding of Zircaloy in NPD reactor, 22:32895
  Oxidation and hydriding of Zircaloy in NPD reactor, 23:24790 (AECL-3065)
  Some observations of intergranular corrosion on iron and nickel, 22:40995 (AECL-2800)
  Zirconium alloys under reactor radiation, 24:1053
LESURF, L. E. Use of ammonia to suppress oxygen production and corrosion in boiling-water reactors, 21:16561
LESZCZYK, Czeslawa Treatment of carcinoma of the lower lip by superficial applicator and interstitial application, 21:22568
LESZKO, B. Cytologic changes in the bone marrow cells in subjects with occupational exposure to ionizing radiation, 21:43500 (TT-67-56008/2, pp 381-8)
LESZKO, Bozena Cytological changes in bone marrow after repeated exposure to ionizing radiation, 21:30890
LE TALLEC, Y. Aspergilloma in a lung affected by radiotherapy, 22:51918
LETANETA, A. A. Reports on toxicology of radioactive materials. VII, 23:50329
LETARD Problems in industrial medicine, 25:46865
LETARD, H. Hazard in industrial use of ionizing radiations, 23:50558
LETARDI, T. Angular distribution of electron pairs produced by polarized photons at Frascati electrosynchrotron, 22:3241
  Beam emittance measurements on the Frascati 10 MeV microtron, 23:1742
  Frascati microtron as synchrotron injector, 23:39878
  Methods for the extraction of particle beams from synchrotrons, 21:4162
  Three-stage image intensifier with magnetic focusing, 21:19987 (LNF-65/31)
  Transport canal of external beam of Frascati electron synchrotron, 23:44753 (LNF-69/8)
LETAVET, A. A. Materials on the toxicology of radioactive matter, 23:43673
  Norms for radiation protection, 25:2574
  Toxicology of radioactive substances. III, 21:32743
  Toxicology of radioactive substances. III, 22:21449
  Toxicology of radioactive substances. IV, 25:4438
  Toxicology of radioactive substances. V, 25:21871
LETAVETZ, A. A. Results and purposes of medical supervision of persons working with sources of ionizing radiation in USSR, 25:52090 (A/CONF.49/P-439)
LETCHER, John H. Characterization of ground-state wavefunctions by measured electronic properties. I, 22:52869
  Phosphorus-31 chemical shifts of phosphonate anions, 21:27953
LETELLIER, B. P. Flux diffusion in superconducting niobium, 22:7234
  Nucleation of the mixed state in a niobium superconductor, 24:12758
LETELLIER, P. R. Hydrocarbons in irradiated fats, 23:33242
LETERRIER, G. Saint-Laurent-des-Eaux I nuclear power station, 23:45027
LETESSIER, J. Coupled-channel effective-range analysis of hyperon—nucleon interactions, 25:53233
  Multichannel calculations of hyperon—nucleon cross-sections and phase shifts, 25:53232
  Nucleon—hyperon scattering in a multichannel formalism, 22:20274
  Production of Λ^0 and π^- in the absorption of K^- by deuterium, 21:9812
  Regge amplitudes and low and intermediate energy π-N scattering, 24:15589
  Regge-exchange driving force and direct-channel resonances in πN charge—exchange scattering, 24:3664
  Spins of the levels of ^{215}Po by an angular correlation method, 21:23493
  Transition probabilities of 329 keV γ rays of ^{140}Ce, 25:1755
LETESSIER, Jean Theoretical study of hyperon—nucleon scattering using a many-channel formalism, 25:33767 (NP-18838)
LETESSIER, Jocelyne Magnetic quadrupolar γ transitions in atomic nuclei, 25:5792
  Search for classes in magnetic quadrupole gamma transitions, 25:14983 (NP-18492)
LETEURTRE, J. Dechanneling of α particles by dislocations occurring in Al, 25:36307
LETEURTRE, Jean Dislocations and radiation damage in α-uranium, 23:32041 (CEA-R-3607)
  Fission damage in α-uranium at 4°K, 23:10233 (CEA-CONF-1108)
LETFUS, V. Ionization of E region and solar x rays in range 44 to 60 A, 21:5180
  Iono-index about the hard emission of the solar-active regions, 23:27460
  Occulation of a noise storm source during the partial solar eclipse of May 20, 1966, 22:888
  Tables for computing dielectronic recombination rates, 23:46230
  Variations in lower ionosphere associated with cosmic-ray and geomagnetic variations, 25:14127
LETFUS, Vojteh Ionization in near-maximum part of E layer, 22:34408
LETFUS, Voytekh Ionospheric effect of penetration of fast protons into the D-region in the mean geomagnetic latitudes, 22:24150
LE THANH, P. Use of nuclear emulsions for neutron spectrometry, 21:1630
LE THANH, Phung Geometric correction factors relating to the recoil of protons in nuclear emulsions, 25:10867 (CEA-R-4081)
  Use of ^{3}He proportional counter for neutron spectrometry, 22:10576 (CEA-R-3310)
LETHCO, A. J. Intermediate-level analytical cell facility, 21:15833 (DPSPU-66-30-8)

  SRP intermediate-level analytical cell facility, 22:4415
LETHEREN, M. F. Possibility of a proton diffraction dissociation experiment, 25:47737
LETHUILLIER, P. Resistivity and magnetic susceptibility of compounds in Sn—Sm system, 25:1316 (CONF-700403-(Vol.1), pp 322-32)
LETHUILLIER, Philippe Magnetic susceptibility of intermetallic compounds of Sn—Sm system, 25:14453
LE TILLY, Yves Problems arising from use of thermal neutron detectors in pulsed regime, 22:23261 (CEA-R-3241)
LE TIRAN, E. Optical observation of losses in a superconductor immersed in liquid helium, 22:29414
  Optical observation of losses of a superconductor immersed in liquid helium, 23:32268 (ORNL-tr-1979)
LETISEE, Gerard Properties in solution in fused sodium tetrachloroaluminate. I, 25:18295
LETOKHOV, V. S. Quantum statistics of multi-mode radiation from an atomic ensemble, 22:13237
  Stimulated radio emission of the interstellar medium, 21:9289
LETOLLE, R. Study of temperatures prevailing in ancient times by measurement of ^{18}O, ^{13}C, and ^{14}C content of concretions in caves, 22:6455
  Tritium and ^{18}O in Evian basin, 22:18934
LETOLLE, Rene Natural isotopic variations of K, 21:14315
LETORT, Yves Radiation-produced thermal shock on a refractor wall lining, 24:33843
LETOUR, Christian BOREAL: pile for testing boron content of aluminum—boron alloy samples, 24:29440 (CEA-N-1284)
LETOURNEAU, B. W. Critical heat flux and pressure drop tests with parallel upflow of high pressure water in bundles of twenty $^{1}/_{2}$-in. rods, 25:12787
  Critical heat flux tests on a coolant channel, 24:19147
  Critical heat flux tests on coolant channel simulating a closely spaced lattice of rods, 23:26041 (WAPD-TM-466)
  Thermal and hydraulic effects of crud deposited on electrically heated rod bundles (LWBR Development Program), 25:8070 (WAPD-TM-918)
LETOURNEAU, R. Charge preamplifier, 23:22125
LETOURNEUX, A. Organization of outside assistance in event of nuclear accidents, 24:7888
LETOURNEUX, J. Double-nucleon emission following the absorption of bound pions, 21:46682
  Double-nucleon emission following the absorption of bound pions, 22:27238
  Effects of strong interactions and finite nuclear charge radius in pionic atoms, 22:976
  Hartree—Fock calculations in s-d shell with realistic and semi-realistic interactions, 24:3975
  HF calculations for ^{20}Ne and ^{28}Si, 24:43263
  Recent results in constrained Hartree—Fock, 24:43600
  Single-nucleon emission following the absorption of free pions, 21:1020
LETOURNEUX, L. Projected HF spectra for ^{20}Ne and ^{28}Si, 24:43266
LETOV, V. N. Distribution of ^{6}Li in rats, 25:32346
  Effect of noradrenaline on radiation injury of pilary follicles, 23:2870
  Effects of x ray and chrysomallin on skin of mice, 22:45614
  Experimental study of the reaction of the skin to the combined effect of x-ray irradiation and chrysomallin, 21:28615
  Lithium-6 incorporation into tissues, organs, and transplantable tumors, 25:13350
  Quantitative ^{6}Li autoradiography of metastases of Walker-256 carcinosarcoma in pulmonary tissue, 25:29443
LE TRAON, Jean Y. Contribution to the use of superconducting shields for magnetic field shaping, 22:11351
LETROVIC, Bosko Basic design criteria for HWR's to be built on seismic ground, 24:20585
LETSINGER, Robert L. Unsymmetrical secondary phosphine oxides, 22:33327
LETT, I. C. Synthetic activity of primordial germ cells in normal and irradiated neonatal male rats, 22:51418
LETT, J. T. Production of strand breaks in mammalian DNA by x-rays: at different stages in the cell cycle, 25:26625
  Rejoining of x-ray induced breaks in the DNA of leukemia cells, 21:26698
  Repair of x-radioinduced excision in DNA of Micrococcus radiodurans, 21:14609
  Repair of x-ray damage to the DNA in M. radiodurans, 24:23120
LETT, John Molecular size of mammalian DNA, 24:31840 (ORNL-4558, pp 29-32)
LETT, John T. Effects of ionizing radiations on biological macromolecules, 22:49224
LETTAU, H. Elastic tau scattering on nuclei with A = 15 to 18 at 11 MeV, 25:20278
  Reaction ^{15}N(tau,α)^{14}N, 25:12424
  Singlet deuteron emission in (^{3}He,d) reaction described by distorted-wave Born approximation, 24:38083
  States in ^{16}O by reaction ^{15}N(tau,d)^{16}O, 23:25839
  Study of states in ^{16}O, 25:14914
LETTNIN, H. Gaps in a concrete radiation shield, 23:17292
LETUNOVA, S. V. Geochemical ecology of microorganisms, 24:34232
  Role of microorganisms in biogenic migration of U, 25:42256
LETUNOVSKII, V. V. Preparation of mixtures of tungsten carbide and cobalt by means of ultrasonic vibrations, 25:55598
LETZRING, D. Void formation in fast-neutron irradiated Type-304 stainless steel, 23:36162
LETZRING, S. A. Dielectric cryogenic thermometer for use in high-magnetic fields, 24:41105 (NYO-2471-46)
LEU, A. D. Adsorption of Cs by clay minerals, 23:21817
L'EU, Le-dak Use of models for evaluation of radioprotective effect of aminothiols, 22:25900
LEU, M. L. Muscle copper, zinc, and manganese levels in Wilson's disease: studies with the use of neutron-activation analysis, 24:43983
LEU, Mei Ling Tissue copper, zinc, and manganese levels in Wilson's disease: studies with the use of neutron activation analysis, 25:20961
LEUCA, I. Separation of Zr from Hf by fractional crystallization, 25:10676
LEUCHARS, E. Selective transfer test, 23:47998
LEUCHARS, Elizabeth Restoration of thymectomized irradiated mice by frozen and stored thymus grafts, 25:16327
LEUENBERGER, A. Treatment of retinoblastoma, 22:19443
LEUENBERGER, H. Influence of internal electric field in BaTiO$_3$ on the lifetime of ^{89}Zr, 22:35269
LEUKHINA, T. N. Sensitivity of some radiomutants of cotton to gamma radiation, 25:44962
LEUMANN, Ernst P. Single injection clearance in children, 24:25512
LEUNG, A. F. Absorption spectrum of NpO$_2^{2+}$ in Cs$_2$UO$_2$Cl$_4$, 23:30305
  Absorption spectrum of NpO$_2^{2+}$ in CsUO$_2$(NO$_3$)$_3$, 24:10623
  EPR of NpO$_2^{2+}$ in Cs$_2$UO$_2$Cl$_4$ and CsUO$_2$(NO$_3$)$_3$, 23:30660
LEUNG, Alfred Fai-ming Optical and magnetic properties of NpO$_2^{+2}$ doped in Cs$_2$UO$_2$Cl$_4$ and in CsUO$_2$(NO$_3$)$_3$, 24:47329
LEUNG, C. C. H. Single separable potential with attraction and repulsion, 24:13423
  Three-alpha model of ^{12}C nucleus, 24:15808
LEUNG, C. Y. Current-mode trigger pulse generator for fast coincidence circuits, 22:40497
  Positron diffusion and annihilation in helium, 24:23765
  Thermalization times of positrons in polyatomic gases, 23:10436
LEUNG, Charles Chi-hei Three-body bound-state calculations for some light nuclei, 25:3579
LEUNG, Cho Yuk Positron diffusion and annihilation in helium gas, 25:13987
LEUNG, Chun-ming Branching ratio for reaction $\pi^- + {}^{4}\text{He} \rightarrow n + {}^{3}\text{H}$, 24:1739
LEUNG, George Y. Problems in soft-pion and Regge theory, 25:53035 (AD-712740)
LEUNG, J. S. Charge dependent effects of the proton—pion exchange process in the N—N interaction, 23:5639
  Photon—pion exchange process in Λ—N nteraction, 23:27812
LEUNG, K. C. Luminosities, masses, and periodicities of massive red supergiants, 25:16666
LEUNG, Kam-ching Amplitude of light and radial velocity variations of β Canis Majoris stars, 23:10329
  Amplitude ratios of several groups of variable stars, 25:850
  Interpretation of delta Scuti stars, 24:34995
  Period—color—luminosity relation of beta Canis Majoris stars, 22:865
  Variability of the Delta Scuti stars, 21:37084
LEUNG, Kwok-Chu Measurement of NP (PP) triple scattering parameters R/sup t/(R) and R'/sup t/ (R') 510 to 670 MeV, 24:30441 (UCRL-19705)
  Measurement of np(pp) triple scattering parameters R/sup T/(R) and R'/sup T/(R') 510 to 670 MeV, 25:36397
LEUNG, M. C. Fluctuation—dissipation relation and its applications to thermodynamic fluctuations in superconducting cylinders, 25:17078
  Generalized Langevin approach to evaluate ultrasonic attenuation rate in superconductors, 25:36071
  Many-body formulation of field emission in metals, 25:33476
  Time-dependent gap equation for pure superconductors, 24:19833
LEUNG, M. K. Threshold effects in ^{40}Ar(d,p)^{41}Ar reaction, 24:3900
LEUNG, Man-chiu Stochastic processes and thermal fluctuations in superconductors, 25:43320
LEUNG, P. S. Graphitization by neutron inelastic scattering, 25:2810
  Neutron inelastic scattering and x-ray studies of aqueous solutions of dimethylsulphoxide and dimethylsulphone, 23:19737
  Neutron inelastic scattering studies of water and ionic solutions, 23:6093 (NP-17690)
LEUNG, Paul Man-Kit Free radical reactions in irradiated cyclohexanecarboxylic acid, 22:14553
LEUNG, Philip M. K. Electron spin resonance spectra of free radicals in irradiated cyclohexanecarboxylic acid, 21:42980
  Low-density inhomogeneity corrections for 22-MV x-ray therapy, 24:21159
LEUNG, T. C. Measurements of material activation and neutron spectra in an LMFBR blanket mockup, 25:41408
LEUNG, Y. C. Bootstrap and the symmetry of the mesons, 21:33752
  Chiral symmetry breaking in K/sub l3/ decays, 22:39454
  Kinematic structure of helicity amplitudes for massless particles, 24:8744
  Limiting mass of a neutron star, 25:58564
  Properties of hadron matter. I, 25:32934
LEUPOLD, H. A. Critical current studies of flux trapping in superconducting lead, 24:40010
  Hysteretic shifting of the maximum critical transport current in superconducting lead, 23:44375
LEUPOLD, M. J. High-field magnet combining superconductors with water-cooled conductors, 24:5112
  Superconducting magnet system for intravascular navigation, 23:29075
LEUPOLD, W. Improvement of the radiation climate in diagnostic areas, 22:4624
LEURS, A. Kinetics of reaction of UO$_2$, NpO$_2$, and (U,Pu)O$_2$ with F, 25:54736
LEUS, N. F. X radiation effects on biosynthesis and decomposition of phosphate esters of vitamin B$_1$, 21:36508
LEUSCH, Gerhard New radiological technique in renal stone surgery, 24:50974
LEUSCHNER, H. New approaches in nondestructive fuel assay using induced emission of gamma rays, 23:4476
  Radiative neutron capture in fissionable nuclei, 24:47639
LEUSEN, I. Myocardial contractility under influence of calcium and strontium, 21:41368
LEUSHACKE, D. F. Direct determination of traces in highly purified graphites, 24:4226
LEUSHIN, V. V. Some peculiarities of the atmosphere of γ UMi, 24:17418
LEUSHKINA, G. V. Determining lithium by means of reactions ^{6}Li(n,α)^{3}H and ^{16}O(t,n)^{18}F, 21:34221
  Rapid determination of tungsten and hafnium in pure molybdenum, 23:40592
  Sensitivity of activation analysis from short-lived isotopes, 23:35037
  Sensitivity of the activation analysis on short-lived isotopes, 25:48 (CSIRO-Trans-10089)
LEUTERER, F. Experiments with bernstein waves, 24:32858 (IPP-3/102)
  Forward and backward Bernstein waves, 24:28349
LEUTHAEUSER, K. D. Note on particular solutions of the transport equation, 25:17267
  Transport theoretical calculation of fast fission factors, 24:52997
LEUTHAEUSER, K.-D. Extrapolated endpoint for adjacent half-spaces, 23:6040
LEUTHAEUSER, Klaus-Dieter Neutron transport in monoenergetic critical configurations with finite reflectors. I, 23:26117
  Neutron transport in monoenergetic critical configurations with finite reflectors. II, 23:43198
  Particular solutions of the monoenergetic transport equation with anisotropic scattering, 25:12055
  Particular solutions of the monoenergetic transport equation with anisotropic scattering, 25:17262
  Transport theoretical multigroup slowing-down, 25:54273
LEUTHOLD, Charles Protective brick against radiations, 23:27675
LEUTHOLD, Francoise Protective brick against radiations, 23:27675
LEUTSCHER, H. Appendages for nuclear reactors, 22:39909
  Construction of reactor components, 22:32804
LEUTWEIN, F. Study of liberation of argon contained in minerals, 24:36139 (UCRL-Trans-10468)
LEUTWEIN, K. Optical and photoelectric properties of F Center in ZnS, 22:1338
LEUTWYLER, H. Baryon—meson vertex in SL(6,C), 22:20304
  Boundary conditions for the state functional in quantum theory of gravity, 24:33052
  Current algebra and infinite-component fields, 23:18991
  Current algebra: a simple model with nontrivial mass spectrum, 22:20167
  Dynamical symmetries and symmetry algebras, 21:29588
  Infinite-component field model of the local vector and axial-vector current algebra, 23:18992
  Introduction to Lagrangian method, 23:39637
  Local current algebra model with linear trajectories, 24:15552
  Models of local current algebra, 23:34548
  New dispersion sum rules for inelastic e—p scattering, 24:26395
  New method for analysis of unitary representations of SL(n,C), 22:20289
  Quantum field theory on lightlike slabs, 24:26495
  Relativistically invariant solutions of current algebras at infinite momentum, 21:40258
  Singularities of current commutators on the light cone, 24:52029
LEUTWYLER, Heinrich Acceleration and motion of ions in corona and solar wind, 24:37101
  Acceleration and motion of ions in corona and solar wind, 24:51339 (N-70-28989)
LEUTZ, H. Absolute measurements of longitudinal β polarization in ^{32}P decay, 21:23497
  Background, peak efficiency, and dimensions of NaI(Tl)-crystals, 23:17772
  Detection of π^{0} mesons, neutrons, and neutrinos at the 300-GeV accelerator, 22:13874 (CERN-67-26(Vol.1), pp 49-71)
  Electron-capture to position-emission ratio in the decay of ^{22}Na, 21:31742
  International Colloquium on Bubble Chambers, Heidelberg, 4/67, 22:12603 (CERN-67-26(Vol.1))
  International Colloquium on Bubble Chambers, Heidelberg, 4/67, 22:12624 (CERN-67-26(Vol.2))
  Laser beams as fiducial lines in bubble chambers, 25:13303
  Operation of a track sensitive deuterium target inside a neon—hydrogen bubble chamber, 23:20002
  Positron spectrum ^{22}Na, 22:20517
  Track sensitive H$_2$ and D$_2$ targets in Ne—H mixtures, 25:34960 (CONF-700623-(Vol.1), pp 477-510)
  Track sensitive hydrogen target inside neon—hydrogen bubble chamber, 22:368
LEUZE, R. E. Processing methods for the recovery of transplutonium elements, 24:22748
LEV, A. Isobaric mass equation in A = 4n + 1 nuclei, 25:59882
  Role of configuration states in isospin forbidden proton decays of T = 3/2 states, 25:28179
LEVADNYI, G. B. Peculiarities of a powerful high-frequency discharge in a field that increases to its periphery, 23:10663
  Plasma interaction with a high-frequency magnetic field, 23:32459
  Utilization of MHz-band electromagnetic waves for stabilization and confinement of plasma, 23:34451 (CONF-680113-(Vol.4), pp 1147-72)

- LEVADNYI, V. A. Effective fraction of delayed neutrons of a homogeneous uranium—aqueous active zone, 22:25104
  - Efficiency and interference of rotating compensating cylinders and absorption rods in uranium—water lattices, 21:30272
  - Geometrical dimensions of homogeneous U—H_2O reactor cores, 22:25105
  - Measurements of the parameters of uniform hydrous uranium activity zones with a fine-scale heterogeneity, 22:35690
  - Rotating shim cylinders in reflector of U—H_2O cores, 24:5520
- LEVAI, A. Flexibility of nuclear power plants for peaking purposes in electric systems, 25:34236
  - Integration of nuclear and conventional heating power stations in district heating systems and in electric grids, 25:53894 (A/CONF.49/P-322)
- LEVAI, Andras Present development of nuclear power plants, 24:18542
- LEVAI, F. Instrumentation and control systems of reactor ZR-4, 22:42367
- LEVAI, Geza Effects of hyperoxygenation and radiation on growth of malignant tumors, 23:18116
- LEVAKOV, B. I. Methods of radiochemical determination of plutonium, americium, curium, californium, berkelium, and fission products in irradiated materials, 25:23522 (SRARI-P-81)
- LEVAKOV, E. N. Influence of some salts on the double decomposition of zircon with calcium carbonate, 25:42972
- LEVALLEY, Susanna Phatmacologic effect of deuterium substitution on 5-n-butyl-5-ethylbarbituric acid, 24:34058
- LEVAL-LOIS-PERRET, B. T. Reactor pressure tube vessel, 23:45147
- LEVAN, H. Direct and indirect effect of x irradiation on conditioned avoidance behavior, 23:31925
  - Dose reduction factor produced by phytohemagglutinin, 24:44532
  - Effect of DMSO on post-irradiation saccharin avoidance in mice, 21:30852
  - Enhancement of radioresisance in mice treated with diphenylhydantoin, 24:41911
  - Enhancement of radioresistance in mice exposed to dimethyl sulfoxide vapor and x irradiation, 22:45595
  - Induction of post-irradiation conditioned avoidance behavior by intraperitoneal injection of brain tissues, 24:51032
  - Morphology of Ehrlich tumor cells treated with magnesium Pemoline and x-irradiation, 24:51036
  - Polaroid film in radiation dosimetry and survey, 25:19005
  - Possible effect of radiation produced hydrogen peroxide on post-irradiation aversion in mice, 22:23613
  - Postirradiation avoidance and recovery of preference of saccharin sodium in mice, 24:6123
  - Protective effect of pemoline against x irradiation, 22:25921
  - Radiation induced avoidance behavior transfer by brain extracts of mice, 24:12302
  - Radioprotective effects of dimethyl sulfoxide vapor on mice, 22:31252
  - Radiosensitivity of mice exposed to various temperatures and low-dose rate radiation, 25:8768
  - Rotating collimator with adjustable field sizes for the 22.5 MeV betatron, 21:11878
  - Short-term and long-term radioprotective effect of magnesium pemoline, 22:40754
  - Threshold doses for conditioned avoidance behavior using low dose rate gamma radiations, 22:51891
- LEVAN, Hoa Effect of administration of magnesium pemoline on radioresistance, 25:2576
  - Radioprotective effect of magnesium pemoline, 22:40746
- LEVAN, Roger W. Method of extrusion of ribbed composite members, 24:7565
- LEVAN, S. Contribution to the study of core dynamic behavior in a boiling water reactor, 22:25003
- LEVANDER, O. Neutron activation analysis of selenium in biological samples, 23:47407
- LEVANDOVSKAYA, S. A. Weldability of a beta-titanium alloy containing 30 percent molybdenum, 23:24905
- LEVANDOVSKII, B. I. Auto-ion-microscope investigation of the intergranular layer in tungsten, 25:49458
- LEVANDY, V. A. Critical assembly for studying pure U—water lattices, 22:7902 (JPRS-43049)
- LEVANONI, M. g-factor measurements in ^{191}Os and ^{193}Pt, 24:13378
  - Internal magnetic fields at Ra nuclei in ferromagnets, 25:17903
  - Magnetic moments of excited states in ^{189}Os, ^{191}Os, and ^{193}Pt, 24:30848
  - Measurement of the g factor of the second excited, I/sup π/ = 2^+, two-phonon vibrational state in ^{106}Pd, 22:32654
- LEVANONI, Menachem Hyperfine interactions and nuclear structure, 25:25768
- LEVANT, M. N. Microvascular circulation of lungs in emphysema, 24:34456
- LEVANYUK, A. P. Properties of superconducting compounds of V_3Si type, 21:41982
- LEVASHEV, A. E. General theory of relativity, 24:1654
  - Scalar model of general relativity theory, 23:49208
- LEVASSEUR, A. Systems B_2O_3—MO—MS boracites M—S (M = Mg, Mn, Fe, Cd) and sodalites M—S (M = Co, Zn), 25:11526
- LEVASSEUR, Alain Systems EuO—EuX_2 (X = F, Cl, Br), 24:32517
- LEVATO, Hugo Rotational velocities of some B stars, 24:42364
- LEVAY, B. New phenomenon to be taken into consideration when investigating phosphorescence by liquid scintillation method, 23:24454
- LEVCHENKO, A. V. Beta-decay processes of ^{131}I as a method for the preparation of onium derivatives of Xe, 22:6362 (ANL-Trans-537)
  - Preparation of phenylxenonium derivatives in β decay of radioactive iodine isotopes in iodobenzene, 23:6192
  - Preparation of phenylxenonium derivatives in β decay of radioactive iodine in diphenyliodonium salts, 23:6193
  - Preparation of Xe onium derivatives by ^{131}I β decay, 21:28043
  - Studies of chemical results of ^{131}I β decay in iodoxybenzene, 21:17694
- LEVCHENKO, I. S. Correlation of critical superconducting transition temperature with conduction-electron concentration, 24:15222
  - Optical properties and electron characteristics of niobium—tin alloys, 25:14149
- LEVCHENKO, M. N. Investigation of the separation of nitrogen and oxygen isotopes by nitrogen oxide distillation, 21:19739
- LEVCHENKO, N. F. Radiation transformations and dosimetric parameters of polystyrene films containing luminescent dyes, 23:28893
- LEVCHENKO, V. E. Determination of temperature in liquid metal-cooled nuclear reactor, 24:46006
- LEVCHENKO, Y. D. Investigations of the profiles of speed in the entrance sector of a densely packed cluster of rods, 25:48709 (AEC-tr-7181)
- LEVCHENKO, Yu. D. Distribution of coolant and stress velocity on wall in close packed rods, 21:32319
  - Velocity field of turbulent fluid flow in a longitudinal streamline of clusters of rods, 25:18576 (AEC-tr-7189)
  - Velocity fields in turbulent flow past rod bundles, 25:32125
- LEVCHENKO, Yu. N. Effect of neutron irradiation on the graphitization of magnesium cast iron, 25:708
- LEVCHENKO, Yu. Z. Charge-transfer accelerator for nuclear studies with polarized beams of accelerated ions, 23:46887
  - Cross section for ionization of gases by 1 to 3 MeV protons, 21:11430
  - Inelastic proton scattering by ^{22}Ne nuclei, 21:44622
  - Ionization collisions and Li^+, Li^{2+}, and Li^{3+} ion charge exchange in gases (0.2 to 2 MeV), 24:47029
  - Ionization of gases by 0.2 to 1.8-MeV He^+ ions, 22:38738
  - Ionization of gases by fast N^+ and N^{2+} ions, 23:22936
  - Shortened charge-exchange gas target, 25:31065
- LEVCHENKOV, O. A. Rate constants of ^{238}U spontaneous fission according to Xe accumulation in minerals, 22:25505
- LEVDIK, T. I. Concerning pathologic anatomy of affection with ^{237}Np, 23:26900
- LEVDIK, V. A. Neutron-diffraction investigation of zirconium nitride-hydride, 24:46752
  - Neutron-diffraction study on zirconium carbohydride, 24:27872
- LEVEDAHL, William J. Nuclear-thermionic lunar base power supply, 25:54905
- LEVEDAHL, William John Thermal control and power flattening for radioisotopic power system, 23:38202
  - Thermionic converter assemblies, 24:23849
- LEVEE, Clifford Computer environment report, 22:50881 (ANL-7408)
- LEVEL, A. Preparation of uranium hexafluoride, 24:20745 (LIB/Trans-251)
- LEVEL, Albert Reduction of uranium hexafluoride, 22:93
- LEVELL, Roy William Improvements in or relating to nuclear radiation flux measuring apparatus, 22:16890
  - Nuclear flux measuring apparatus employing current flucutations from neutron detectors, 23:19965
- LEVELUT, A. Ultrasonic attenuation in dirty superconductors, 24:37400
  - Ultrasonic attenuation of transverse waves in dirty superconductors, 25:14160
- LEVELUT, A. M. Description of apparatus for the study of point defects by x-ray scatter, 21:19998 (UCRL-Trans-10090)
  - Study of muscovite mica irradiated by argon ions, 24:42781
  - Study of muscovite mica irradiated by argon ions, by x ray scattering at small angles, 25:44606
  - Vacancy clusters in neutron-irradiated Ni, 24:18020
- LEVELUT, A.-M. Apparatus enabling the study of point defects in solids by x-ray scattering, 21:19999 (UCRL-Trans-10092)
- LEVEN, H. Radiation burden during use of /sup 113m/In for placentography, 24:34746
- LEVEN, M. M. Photoelastic determination of stresses at an opening in a thin-walled cylindrical pressure vessel, 22:2317 (TID-24106)
- LEVEN, Ronald Amplification of ion plasma waves owing to beam—plasma interactions, 25:7428
  - Nonlinear theory of beam—plasma interactions. I, 23:32420
  - Nonlinear theory of beam—plasma interactions. III, 25:9466
  - Nonlinear theory of beam—plasma interactions. IV, 25:9469
  - Nonlinear theory of plasma beam interactions. II, 23:39478
  - Reversible nature of Vlasov equation and solution, 21:2260
- LEVENBERG, Milton I. Detection of deuterium oxide in dimethylsulfoxide-d_6 by nuclear magnetic resonance, 21:2950
- LEVENE, Martin B. Pituitary radiotherapy, 22:8616
  - Pituitary radiotherapy, 25:27041
- LEVENES, G. Measurement of thin film thickness using electron backscattering, 25:44716
- LEVENES, Guy Measurement of film thickness by electron backscattering, 25:13141
- LEVENGOOD, W. C. Biological effect from high altitude nuclear test, 22:36335
- LEVENKO, B. A. Chemical protection against gamma-radiation in barley, 24:50849
  - Chlorophyll mutations as an indication of genetic protection against gamma radiation in barley, 22:31053
- LEVENKO, B. O. Chromosome aberrations in barley, 23:50422
- LEVENKO, P. I. Effects of gamma radiation on properties of leather and untanned leather, 24:44829
- LEVENSKY, K. F. Leak detection by radiokrypton: sensitivity plus safety, 21:1662
- LEVENSON, Leonard L. Phonons and the thermodynamic properties of surfaces, 23:32577 (CEA-Bib-142)
  - Ultrahigh vacuum seal, 21:32360
- LEVENSON, M. Candidate for second-generation fuel-reprocessing plants, 21:25959
  - Major contributions from EBR-II, SEFOR, and Fermi, 25:39264 (A/CONF.49/P-47)
  - Studies and evaluations, 21:4592 (ANL-7125, pp 107-18)
- LEVENSON, Stanley M. Sodium, K, and H_2O in x irradiation, 22:25979
  - Synergism of irradiation, tourniquet injury, and drum trauma: effect of regional shielding, 22:25978
- LEVENTHAL, E. L. SNAPOODLE isotope thruster/electric power unit, 21:12604
- LEVENTHAL, E. Lee Design and test of a SNAPOODLE thermoelectric generator, 21:41154
- LEVENTHAL, Edwin A. Scintillation detector using a single crystal of gallium arsenide, 23:9728
- LEVENTHAL, J. Collecting sample of solar wind, 23:46410
- LEVENTHAL, J. J. Emission regulator for use in high intensity electron-impact ion source, 23:39893
  - Energetics of HeH^+ formed in H_2^+—He collisions, 25:27452
  - Energy transfer in de-excitation of $(H_3^+)^*$ by H_2, 23:27327
  - Mass spectrometer utilizing an ion beam for ionizing the gas to be analyzed, 22:38171
  - Molecular resonant charge-transfer processes: H_2^+—H_2 and N_2^+—N_2, 21:37141
  - Study of calibration, resolution, and transmission of electrostatic velocity selector, 25:18843
  - Tandem mass-spectrometer study of D_3O^+ and solvated derivatives, 24:4285
  - Two-channel model for electron transfer in ion—molecule collisions, 24:5005
- LEVENTHAL, J. S. Tritium fallout in Pacific United States, 25:10720
  - Tritium geophysics from 1961—1962 nuclear tests, 22:25536
- LEVENTHAL, L. Density of fallout particles from airbursts, 22:2229
  - Laboratory blank experience in long-lived fission products, 22:37653 (UCRL-18140, pp 13-36)
- LEVENTHAL, Lance Direct numerical solution to charge-exchange problem. I, 25:52664
- LEVENTHAL, M. Measurement of level shift in He^+, n = 3, 25:30263
  - Measurement of the 2^2S/sub $^1/_2$/—2^2P/sub $^1/_2$/ interval in atomic H, 23:18420
  - Measurement of the Lamb shift in the n = 2 state of $^{12}C^{5+}$, 25:1618
  - Velocity distribution of metastable H atoms produced by dissociative excitation of H_2, 21:33202
  - Velocity distribution of metastable H atoms produced by dissociative excitation of H_2, 21:35005 (COO-1112-120)
- LEVENTHAL, Marvin Search for positronium Lyman α-radiation from positrons stopped in inert gases, 24:30153
- LEVENTHUEV, V. P. Possible methods of polarization of electrons at rest in magnetic field, 25:7602
- LEVENTIS, A. A. Computation of temperature sensor response characteristics using analysis of transient temperature information, 23:34908 (DUN-SA-101)
  - Computation of temperature sensor response characteristics, 23:35563
  - N Reactor systems operability, 24:24902 (DUN-6359)
- LEVENTUEV, V. P. Electric dipole moment effects on the polarization of spinor particles in a magnetic field, 24:24310
  - Influence of anomalous magnetic and (supposed) electric moments on Fermi-particle spin behavior in magnetic field, 25:22750
  - Influence of the external magnetic field upon some quantum processes, 23:51886
  - Influence of the synchrotron radiation on the motion of electrons in an inhomogeneous magnetic field, 21:25389
  - Resonant scattering of electromagnetic waves on electrons in magnetic field and electron polarization, 24:24301
- LEVEQUE, A. Hyperon—proton interactions between 0.5 and 4.0 GeV/c, 24:49323
  - K^-p charge exchange at 3.95 GeV/c, 24:45434
  - Status of HPD programs at Saclay, 21:41257
  - Study of the decay mode eta $\rightarrow$ $\pi^+\pi^-\gamma$, 21:25225
  - Test of C invariance in the 3π decay mode of the eta meson, 21:5351
- LEVEQUE, J. L. Point defects in iron, 23:16868 (CEA-CONF-1030)
- LEVEQUE, Jean-Luc Point defects by electron irradiation of dilute Fe—C alloys, 24:12437 (CEA-R-3857)
- LEVEQUE, P. Autoradiography in studying the alteration of rocks, 22:14691
  - Developments in radiochemistry, 24:7477
  - Economic aspects of radiation treatment, 21:26731
  - Evolution of tritium activity in southwest of France, 22:18936
  - Experimental study of the high-pressure injection of radioactive effluents into fractured geological layers, 22:16824
  - Irradiation installations in France for food irradiation, 21:26744
- LEVEQUE, P. Ch. Site study for storage of radioactive wastes in European community. 22:51201 (ORNL-tr-1973)
  - Siting of radioactive waste storage facilities within European Community, 22:25628 (EUR-3664)
- LEVEQUE, Paul Natural radioactivity of sediments, 24:7511

- LEVEQUE, Pierre Radio-vulcanization of natural rubber in latex phase, 22:40290 (CEA-R-3345)
- LEVEQUE, R. Digital computer applications for data processing of nuclear reactors and power plants. III, 23:28376
  - Mont Arret power plant: EL-4, 23:40296
  - Monts d'Arree nuclear power station: EL-4, 23:40299
  - Some properties of chromium—tungsten steels, 22:34051
  - Stress corrosion of stainless steels in chloride solution, 22:21654 (EURAEC-1947(Pt.2))
  - Utilization of the digital computer for fuel element management at the Monts d'Arree Nuclear Power Plant: EL-4, 23:40302
- LEVER, A. B. P. Far-infrared and electronic spectra of some bis-ethylenediamine and related complexes of copper(II) and the relevance of these data to tetragonal distortion and bond strengths, 25:26232
- LEVER, Arnold Eric Properties and testing of plastics materials, 23:10311
- LEVER, F. M. Separation of the rare earths and production of the metals, 24:296
- LEVER, Ray C. Oxidation resistant niobium, 21:45882
- LEVER, W. E. Statistical analysis of the results of a series of experiments on the carbon-foam production process, 23:43252 (Y-1682)
- LEVER, W. F. Radiodermatitis, 24:908
- LEVER, William Edwin Limiting distribution of likelihood ratio statistic -21nlambda/sub n/ minimum average risk decision procedures, 22:22899 (ORNL-4225)
- LEVERANT, G. R. Creep-induced intrinsic/extrinsic fault pairs in a nickel-base alloy, 24:1042
  - Fatigue of TD-nickel at 1800°F, 23:48542
- LEVERANT, Gerald R. Creep in gamma prime precipitation-hardened Ni-base alloys, 24:14756
- LEVERICH, Ann P. Effects of chemosterilants on spermatogenic stages in the house fly. II, 24:23419
- LEVERS, R. G. Anomalous nucleon magnetic moment sum rules without current algebra, 22:37103
  - Constraint on the double-pion-production amplitude in pion—nucleon collisions implied by a partially conserved axial-vector current, 22:3439
  - Current-algebra-constrained single-pole approximation to S-wave π—π phase shifts, 23:25611
  - Effect of crossed-channel isospin-two amplitude and threshold unitarity on s-wave π—π scattering lengths, 23:23461
- LEVERT, F. E. Density determinations of alkali metals by a gamma radiation attenuation technique, 25:52364
- LEVESQUE, Dominique Fluid—solid phase transition of hard-sphere Bose system, 25:14500
  - Ground state of solid ^{4}He and ^{3}He, 21:37348 (NP-16937)
  - Ground state of solid ^{4}He and ^{3}He, 22:9259
  - X-ray scattering by argon, 22:29177 (LPTHE-TH-68/9)
- LEVESQUE, R. J. Octupole and quadrupole transitions in even—stable titanium isotopes, 24:43249
- LEVESQUE, R. J. A. Computer code for calculation of absolute areas of overlapping peaks in energy spectra, 24:44310
  - Double scattering proton polarimeter, 24:44277
  - Heavy negative ion source, 24:30623
  - Photopeak and double-escape peak efficiencies of germanium lithium drift detectors, 21:8597
  - Reaction ^{23}Na(p,γ)^{24}Mg induced by protons energy below 500 keV, 21:2688
  - Reaction D(^{3}He,γ)^{5}Li from 2 to 11 MeV, 22:44601
  - Study of levels in ^{24}Mg, 22:39614
- LEVET, Jean-Claude Preparation of UO$_2$Cl. Magnetic susceptibility of UO$_2$Cl and UO$_2$Br, 23:21704
- LEVEY, Gerrit Isomerization of alkyl chlorides and bromides by radiation, 21:8362
- LEVEY, Harold A. Mechanism of action of liver extracts in inhibiting uptake of ^{131}I in vitro by the rat thyroid gland, 21:17958
- LEVEY, Joanne S. Indexes to 563 unclassified documents on civil defense, 22:21498 (ORNL-CD-4)
  - Indexes to 708 unclassified documents on civil defense, 23:20219 (ORNL-CD-6)
  - Indexes to 780 unclassified documents on civil defense, 22:10529 (ORNL-CD-2)
- LEVEY, R. P. Pressure dependence of energy of resonance gamma ray of ^{197}Au and hyperfine structure coupling of ^{197}Au in Au—Mn alloys, 21:13620 (ORNL-TM-1685)
  - Pressure dependence of energy of resonance gamma ray of ^{197}Au, 23:25458
- LEVI, A. J. Copper-64 ratio in Wilson's disease, 22:51834
- LEVI, B. G. Comparison of phase-shift analysis solutions to π^-p scattering data, 23:32750
- LEVI, Barbara G. Low energy pion—nucleon scattering, 25:47741 (SLAC-131)
- LEVI, C. Analogue states in Pb isotopes, 21:25524
  - Analogue states of ^{140}La levels, 23:49387 (CEA-CONF-1322)
  - Analogue states of ^{140}La levels, 24:43448
  - Analogue states of deformed ^{173}Yb and ^{175}Yb nuclei, 21:38344
  - Coulomb displacement energies from isobaric analogue state studies in deformed nuclei, 23:1889
  - Identification of rotation bands through quantitative analysis of analogue resonances, 24:3917 (CEA-CONF-1324)
  - Interest of analog state studies in deformed nuclei, 25:28472
- LEVI, D. W. Radiation graft copolymerization, 21:32191 (NP-16834)
- LEVI, E. Adsorption of cesium in bean leaves, 24:34040
  - Effect of collisions on cold ion collection by means of Langmuir probes, 25:56135
  - Observation of Rayleigh—Taylor instabilities, 23:10686
  - Observation of resistive instabilities in a toroidal plasma, 22:34722
  - Responses of bean plants to root temperatures. IV, 23:38441
  - Uptake and distribution of ^{134}Cs applied to leaves of bean plants, 21:10816
- LEVI, Enrico Penetration of the electromagnetic field in moving conductors, 21:23048 (AD-643788)
  - Plasma shielding, 24:21797
  - Singularities of the fluid equations and their relation to anomalous diffusion, 22:19943
  - Singularities of the two-fluid plasma equations and their relation to boundary conditions, 21:40023
- LEVI, Gabriella Metabolism of different immunoglobulin classes in irradiated mice. IV, 25:32364
- LEVI, H. Strontium-90 in human bone, 23:48034
  - Strontium-90 in human bone (Denmark 1962—1964), 21:14653
  - Strontium-90 in human bone, Denmark 1962—64, 21:18038 (NP-16544)
  - Strontium-90 in human bone, Denmark, 1964-67, 24:12022 (A-AC-82/G/L-1239)
- LEVI, H. W. Application of Ti compounds in nuclear technology, 22:42811 (HMI-B-69)
  - Behavior of crystalline silicate ion exchangers and their application in nuclear technology, 22:139 (HMI-B-54)
  - Cation diffusion kinetics in synthetic zeolites of types x and a, 25:48594
  - Ion diffusion in vermiculite, 22:16801
  - Ion-exchange properties of a volcanic tuff and its application to selective adsorption of radionuclides, 25:48590
  - Isotopic exchange between glasses and nonaqueous liquids, 25:41810
  - Isotopic exchange investigations on silicate ion exchanges. IX, 24:7435
  - Isotopic exchange investigations on silicate ion exchangers. X, 24:13822
  - Isotopic-exchange investigation on silicate ion exchangers. V, 21:23867
  - Isotopic-exchange investigation on silicate ion exchangers. IV, 21:23866
  - New Cs-selective mineral ion exchange for decontamination of radioactive waste, 22:16669
  - Obtaining /sup 99m/Tc from ^{99}Mo-containing ammonium molybdatophosphate, 22:2135
  - Self-diffusion and exchange diffusion of cations in vermiculite, 25:48595
- LEVI, M. Kidney scanning with Hipporan, 23:48126
- LEVI, N. I. Thermoluminescence of γ irradiated alumosilicate glasses, 21:22939
- LEVI, S. New electronic device for radiothermoluminescent research, 21:22173
- LEVI, S. M. New method for radiothermoluminescent research, 24:27455
- LEVI, Samuil Investigations on thermoluminescence of CaSO$_4$:Mn with view to application in dosimetry, 22:23335
- LEVIALDI, A. Injection electroluminescence of gallium selenide, 22:29561
- LEVICH, A. A. Feed conditions and water and steam radiolysis suppression at Beloyarsk Nuclear Power Station, 22:35527
  - Water control and prevention of water and steam radiolysis at Beloyarsk nuclear power station, 23:28354 (AERE-Trans-1112)
  - Water regime and suppression of water and steam radiolysis in Beloyarsk nuclear power station, 22:48889
- LEVICH, C. Comparison of survival times of monkeys and rats exposed to pulsed and steady-state reactor radiations, 24:7986 (AD-691411)
  - Comparison of survival times of monkeys and rats exposed to pulsed and steady-state reactor radiations, 25:6802
- LEVICH, E. V. Bose condensation and shock waves in photon spectra, 23:8622
  - Electromagnetic radiation pressure on free electrons, 25:53084
  - Gas heating in the vicinity of pulsars due to induced Compton effect, 25:24781
  - Heating of gas in vicinity of quasars, nuclei of Seyfert galaxies, and pulsars by induced Compton effect, 25:7026
  - Plasma heating by opposing beams of coherent radiation, 24:47194
- LEVICH, V. G. Scattering amplitudes with rearrangement at low energies, 24:37588
- LEVICHEV, B. V. Current regulator for electromagnets, 24:14361
- LEVIEN, E. Indexing of diffraction patterns and Burgers vector analysis in hexagonal close-packed structures, 22:47689
- LEVIER, P. W. High speed commutating system for low level analog signals, 23:14088
- LEVIER, W. A. Solvent extraction separations with BPHA, 22:33238
  - Solvent extraction separations with BPHA, 23:11400 (GAT-525)
- LE VIET BIN Determination of Sm microimpurity in Eu oxide, 25:26162
- LE VIET BINH Determination of Nd as microimpurity in Eu oxide by luminescence spectra of crystal phosphors, 24:50343
- LEVIKOV, E. A. Low-temperature rolling and the annealing of single-crystal niobium, 25:55560
- LEVIKOVA, L. V. Low-temperature rolling and the annealing of single-crystal niobium, 25:55560
- LEVIN, A. A. Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific interoceanic canal: transport and accumulation of radionuclides, 24:27558 (BMI-171-30)
  - Ecological models applied to radionuclide transfer in tropical ecosystems, 25:8626
  - Estimation of potential radionuclide ingestion by native populations of Eastern Panama and Northwestern Colombia. Bioenvironmental and Radiological-Safety Feasibility Studies, Atlantic-Pacific Interoceanic Canal, 25:10995 (BMI-171-45)
- LEVIN, A. I. Dissolution of tungsten carbide—cobalt alloy in electrochemical machining, 25:637
- LEVIN, A. L. Effect of magnetic Reynolds's numbers on distribution of currents in MHD ducts, 25:55949
  - Importance of the capacitance between the coil and plasma in plasma electroconductivity determination by profile methods, 22:9330
  - Influence of rate of flow on currents in MGD channel, 24:39917
- LEVIN, A. M. Alloying element influence on mechanical properties and recrystallization temperature of tantalum alloy with 33 percent niobium, 21:34907
  - Effect of alloying on tantalum—niobium alloy electric resistance, 21:4948
- LEVIN, A. Ya. Characteristics of coherent interactions at 17 and 45 GeV, 25:43646 (JINR-P1-5775)
  - Effective mass spectrum of multipion system in inelastic interaction at high energies, 23:32756
  - Low-energy proton pairs in proton—nucleus interactions at 28.8 GeV/c, 24:26372
- LEVIN, Arthur A. Ecological transfer mechanisms - terrestrial, 24:23144 (SWRHL-82, pp 401-35)
  - Mass spectrometric determination of U in potable waters of N. Y. state, 22:30491
- LEVIN, B. M. Formation of positronium in 1S and 2S states in oxides, 24:28087
  - Influence of dispersion on positron annihilation in metal oxides, 24:30152
- LEVIN, B. Yu. Explanation for the albedo differences on the moon, 22:36584
- LEVIN, David N. Current algebra, $\pi\pi$ scattering, and the rho leptonic-decay branching ratio, 23:36923
  - Formal restrictions on Schwinger terms in commutators, 25:25496
  - Off-mass-shell corrections to current-algebra calculation of πN S-wave scattering lengths, 23:3735
- LEVIN, E. Liquid scintillators at high temperatures, 23:2605
  - Role of CHCl$_3$ as a quencher for γ- and uv-excited organic solutions, 25:34624
  - Transfer-state population in liquid scintillators, 25:21419
- LEVIN, E. M. Account of spin of interacting particles in inelastic processes at high energy, 23:44663
  - Analysis of reactions $\pi + N \rightarrow \pi + \pi + N$ at T/sub π/ = 350/600 MeV, 23:3649
  - Determination of the isotopic composition of tin and indium, 25:41727
  - Fermion Regge poles and branch points in J plane, 24:28621
  - High-energy scattering model with breaking of Pomeranchuk theorem, 24:30593
  - Interaction of boson Regge poles with Pomeranchuk pole, 24:52057
  - Nonrelativistic quark model, 22:26629
  - Physical states on daughter trajectories in dual amplitude under condition $\alpha(0) = 1$, 25:43712
  - Polarization of finite particles in elastic and inelastic processes at high energies, 24:30469
  - Processes with fermion Regge poles, 23:36949
  - Production of boson resonances in the model of quarks, 22:22402
  - Triangular diagram in the decay $Y_0(1520) \rightarrow A\pi\pi$ and the determination of the pion scattering length, 22:29676
  - Zero charge and scale invariance problems in the soluble field theory model, 25:14783
- LEVIN, E. S. Relation among cross sections of production of 2^+, 1^+, 0^+, and 1^-, 0^- nonets mesons in meson—baryon interactions in nonrelativistic model of quarks, 25:4705
  - Relation among cross sections of production of 2^+, 1^+, 0^+, and 1^-, 0^- nonets mesons in meson—baryon interactions in nonrelativistic model of quarks, 25:12203
- LEVIN, Ernest M. Liquid immiscibility in oxide systems, 25:38026
  - Phase diagrams for ceramists: 1969 Supplement, 23:44022
  - System niobium pentoxide—phosphorus pentoxide, 24:48907
  - System Sc$_2$O$_3$—B$_2$O$_3$, 21:13274
  - System Y$_2$O$_3$—V$_2$O$_5$, 21:36934
- LEVIN, Eugene M. Temperature dependence of energy degradation in organic liquid scintillators, 22:40416
- LEVIN, F. S. Incoherence of resonant and nonresonant amplitudes in reactions A(x,y)B*(z)C, 22:42137
  - Particle transfer reactions as probes of particle unstable states, 22:27244
  - Remarks on the new stripping theory of Pearson and Coz, 21:30036
  - Soluble three-body problem, 24:35918
- LEVIN, G. Gamma-ray-induced spore germination of Dictyostelium discoideum, 25:13605
- LEVIN, G. E. Radioselenium in duodenal aspirate as an assessment of pancreatic exocrine function, 25:39791
- LEVIN, G. S. Experiment in passive transmission of heliotrine liver disease in rats by live spleen cells, 25:16062
- LEVIN, Gilbert V. Automated primary productivity measurements in water bodies, 25:28867 (NYO-3993-1)
  - Extraterrestrial life detection with isotopes and some aerospace applications, 21:12602
  - Prog. rpt. on radioisotopic biochemical probe, 1/15/64, 21:5350 (N-65-16276)
  - Prog. rpt. on radioisotopic biochemical probe for extraterrestrial life, annual, 10/66, 23:9790 (N-66-39688)
- LEVIN, H. Graphics 8: graphics hardware, 1469 gear, 24:18812 (COO-1469-151)
- LEVIN, H. A. Corrosion of V-base alloys in Na at 550 to 750°C, 21:30973
- LEVIN, Harold Local information retrieval for simulation and modeling system, 25:1991 (COO-1469-174)
- LEVIN, Harry A. Behavior of Nb- and V-base alloys in O-contaminated Na, 22:28731 (ANL-6982)
- LEVIN, Ira W. Raman and infrared spectra of dimethylnitrosamine, 24:50395
  - Raman spectrum of solid phosphorus pentafluoride, 23:13698

Torsional vibrations in isobutylene, isobutylene-d_6, and isobutylene-d_8, 25:31929
LEVIN, J. J. Integrodifferential equations of a class of nuclear reactors with delayed neutrons, 23:24001
LEVIN, J. S. Parasitic use of an on-line computer-based data system, 24:8772 (CONF-690301-, pp 367-74)
LEVIN, Jack Detection of thrombopoietic activity in plasma by stimulation of suppressed thrombopoiesis, 24:50283 (NYO-1208-105)
Humoral control of thrombopoiesis, 24:41101 (NYO-1208-106)
Thrombopoiesis and thrombopoietin, 24:41100 (NYO-1208-103)
Thrombopoiesis and thrombopoietin, 25:15991
LEVIN, Joel M. Waves in collisionless plasmas. I, 21:33429
Waves in collisionless plasmas. II, 21:33428
Waves in collisionless plasmas. III, 23:30592
LEVIN, Jules Fast-neutron scattering from nuclides in the lead region, 21:38355
LEVIN, K. Effects of Li salts on plasma protein bound I and uptake of ^{131}I in thyroid gland of man and rat, 23:29323
Sum rules in γd forward scattering, 22:1402 (JINR-P4-3450)
Test of cross-section sum rules for nucleon magnetic moments, 22:22347 (JINR-E2-3715)
Vitamin B_{12} determination by radioisotope dilution and ultrafiltration, 24:27492
LEVIN, L. A. Polarization corrections for shielding and antishielding configurations of the copper atom, 22:9050
LEVIN, L. I. C curves of the decomposition of supersaturated solid solutions in Al—Zn—Mg alloys with additions of Mn, Cr, Zr, and Cu, 24:39659
LEVIN, M. B. Nonlinear theory of interaction of relativistic and nonrelativistic beams with plasma, 25:38429 (CONF-710607-61)
LEVIN, M. L. Inherent quasi-statical oscillations of plasmoids, 23:51669
Interaction of a plasma with the containing high-frequency travelling magnetic field, 23:32383
Internal potential of heterogeneous ellipsoids, 25:32930
Multipole degeneracy of eigenfrequencies of a plasmoid, 24:37478
LEVIN, M. P. Calculation of the characteristics of stabilized electric arc heating of gases at high pressures, 25:59059
LEVIN, M. V. Ionosphere over Sverdlovsk during solar eclipse of Sept. 22, 1968, 25:47439
LEVIN, Morton Religion and ethnicity in leukemia, 24:42010
LEVIN, Morton L. Preconception, intrauterine, and postnatal irradiation as related to leukemia, 21:18103
LEVIN, R. Preparation of 1:2 uranyl nitrate—methyl diphenyl phosphate solid complex, 24:29291
LEVIN, R. W. Analytical procedures for uranium hexafluoride specifications, 23:11 (KY-L-454(Rev.1))
LEVIN, Richard R. Ion acoustic wave dispersion in a highly ionized argon plasma in a magnetic field, 22:52783
LEVIN, S. Antiferroelectric transitions in $NH_4H_2PO_4$ and $NH_4H_2AsO_4$ studied by infrared absorption, 24:31303
Infrared studies of antiferroelectric $NH_4H_2PO_4$ type crystals, 22:2027 (IA-1136)
Isotope effect in high temperature phase transition of KH_2PO_4, 22:8083
Proton dynamics in KH_2PO_4 type ferroelectrics studied by infrared absorption, 24:31302
LEVIN, S. A. Enriched-uranium production planning, 23:38197
Incremental cost considerations related to production of enriched uranium, 23:49909
Power optimization for gaseous diffusion plants, 23:4779 (CONF-681015-1)
LEVIN, Saul Environmental aspects of nuclear energy, 25:2564
LEVIN, Sheldon G. Natural background gamma radiation in Michigan, Colorado, and Minnesota, 23:29518
LEVIN, Suzanne Uv-induced reversion to prototrophy in Chlamydomonas reinhardi, 22:31046
LEVIN, V. A. Motion of charged gas filling cylindrical cavity with cross section in form of ellipse, 22:3055
Radiation dose to thyroid gland and organism in use of radioiodine, 24:50983
LEVIN, V. B. Experimental investigation of turbulent fluid pipe flow in the presence of longitudinal magnetic field, 21:37266
Hydraulic resistance to flow of electrically conducting fluids in pipes in longitudinal magnetic fields, 25:40451
Influence of longitudinal magnetic field on hydraulic resistance in turbulent flow of fluids in pipes, 25:55937
Transition to turbulence in magnetohydrodynamic flow with finite perturbations, 25:55927
LEVIN, V. I. ^{103}Pd distribution in the animal organism, 25:55112
Chemistry of long-lived fission elements, 24:38815
Gallium-68 generator, 25:15692
Influence of incomplete antibodies on erythrocyte permeability with aid of ^{51}Cr, 23:38444
Investigation of promethium complex formation, 24:39033
Isolation of carrier-free ^{88}Y from Sr targets, 23:43369
Obtaining carrier-free ^{47}Sc, 23:13792
Production of carrier-free ^{18}F, 21:10388
Production of radioisotopes in research reactors, 25:29275
Separation of carrier-free ^{88}Y from Zr target by method of adsorption on a fluoroplastic material, 25:15694
LEVIN, V. L. Changes in uv sensitivity in embryogenesis of Drosophila, 25:24311
LEVIN, V. M. Linear electron accelerator for industrial use, 23:21191
Linear electron accelerators for sterilization and radiation chemistry, 24:24485
Linear electron accelerators for use in industry, 24:15733
Production of large pulse currents in linear electron accelerators using homogeneous structure, 22:32318 (CEAL-2000, pp A-39-41)
LEVIN, V. V. Application of multigroup methods for the calculation of neutron flux distributions in inhomogeneous shields, 22:35675
Streaming of neutrons through cylindrical and flat neutron guides, 22:27503
LEVIN, V. V. L. Abrasive wear resistance of high-carbon chromium—molybdenum built-up metal, 22:43580
LEVIN, V. Ya. Interaction of liquid silicon with refractory metals, 24:6207
Surface tension and density of Si—Zr melts, 24:51165
LEVIN, Yu. M. Extracorporeal irradiation of the blood and lymph, 23:29685
LEVINA, E. M. Effect of clay minerals on content of ^{90}Sr in oats, 22:51489
LEVINA, I. N. High-temperature thermodynamics of uranium carbides. II, 24:19499
LEVINA, N. P. Interaction of liquid silicon with refractory metals, 24:6207
LEVINA, R. A. Mechanism of oxidation of Nb—Zr alloys, 25:29767
Oxidation kinetics of Nb—Zr alloys. V, 25:29769
LEVINA, V. I. Production of $\pi^+2\pi^-$ on nuclei at small momentum transfers, 25:59316
LEVINA, V. K. Anodic passivation and polishing of tungsten in alkali solutions, 22:52136
LEVINE, A. D. Generalized algebraic mass formulas. I, 24:26472
Variational approach to multiple scattering, 23:3849
LEVINE, A. M. Drift waves in collisionless nonequilibrium plasmas, 24:40135
Dynamic stabilization of a two-stream instability, 25:27788
Dynamic stabilization of collision-dominated drift waves in presence of an ac current, 24:35455
Dynamic stabilization of drift waves by electron temperature modulation, 24:35452
Effect of radial electric fields on stability of magnetically confined plasma, 23:32475
Electron cyclotron resonance heating of alkali plasmas, 21:35132 (CONF-670104-Pt.2, pp 543-62)
Electron temperature effects on low-frequency oscillations in an alkali magnetoplasma, 23:32508
Electron—cyclotron resonance heating of alkali plasmas, 22:1149
Excitation of electrostatic ion cyclotron oscillations, 21:7247
Excitation of electrostatic oscillations near the ion cyclotron frequency, 21:35163 (CONF-670104-Pt.2, pp 411-23)
LEVINE, A. S. Dating and authenticating works of art by measurement of natural alpha emitters, 21:16008
Determination of biospheric levels of ^{129}I by neutron-activation analysis, 21:12321
Iodine-129: a new atmospheric tracer, 21:14328 (NSEC-120)
LEVINE, Alfred Martin Effect of electron temperature on the excitation of electrostatic ion cyclotron oscillations, 21:42121
LEVINE, Arnold S. Sample preparation for low-level, alpha-particle spectrometry of ^{226}Ra, 21:2949
LEVINE, Arthur Thermal pulse shaper mechanism, 21:339 (AD-636265)
LEVINE, B. F. Double quantum scattering of x rays, 25:47704
LEVINE, B. S. Excitation of a closed cylindrical cavity by a charged ring moving along the axis at constant velocity, 23:28192
LEVINE, Barbara S. Excitation of a closed cylindrical cavity by a charged ring moving along the axis at constant velocity, 24:45657 (UCRL-18595)
LEVINE, Bennett Reliability of radioactive phosphorus uptake test after ocular surgery, 24:41931
LEVINE, Charles A. Polyacrylonitrile containing ketene-imine linkages produced by high energy radiation, 21:4582
LEVINE, D. Conversion studies for SREL 600-MeV synchrocyclotron, 25:31160
LEVINE, D. A. Calculating intracranial thermal neutron isodose curves, 21:36601
LEVINE, D. L. Influence of prior intestinal resection on survival time of intestine-irradiated rats, 23:24700
LEVINE, D. M. Oscillating ion orbits in synchrocyclotrons, 25:7791
LEVINE, David Electron density of air behind a reflected shock wave, 22:34626 (AD-661805)
LE VINE, David Michael Wave propagation in thin slabs of warm plasma, 24:5194
LEVINE, Donald M. Kinematical constraints of helicity amplitudes, 23:42761
LEVINE, E. Further applications of Kikuchi diffraction patterns: Kikuchi maps, 21:23254 (UCRL-16411)
Precipitation in the beryllium—iron system, 25:29897
LEVINE, E. D. Prismatic slip in zirconium, 23:33989
Stability of the high-temperature phase in beryllium and beryllium alloys, 22:4797 (NMI-TJ-37)
LEVINE, G. S. Brookhaven AGS radiation monitoring systems, 25:50451
Distribution of dose and induced activity around external proton beam targets, 25:45840 (RPP/R-9)
Instrumentation and control of AGS slow external beam, 23:28137
Sand as a side shield for 30 GeV protons stopping in AGS, 21:17199 (BNL-11109)
Sand as side shield for 30 GeV protons stopping in Brookhaven AGS, 21:46629
Source functions and transport losses for 28-GeV external proton beam, 25:45873
LEVINE, Gerald S. Beam stop for 28 GeV/c protons, 24:3794 (BNL-14106)
Beam stop for 28 GeV/c protons, 24:45649 (CONF-691101-, pp 836-42)
Beam stop studies at the brookhaven ags, 24:45640 (CONF-691101-, pp 440-6)
Brookhaven AGS ring radiation monitoring system, 24:3795 (BNL-14107)
LEVINE, H. Plutonium and ^{90}Sr in precipitation, Aug. 1966 through Mar. 1967, 22:28506
LEVINE, H. S. Correlation between conservation of metal and luminosity of a Zr droplet, 24:19389
High-temperature metallic oxidation, 22:10914 (SC-DC-67-1632)
High-temperature metallic oxidation, 24:8060
High-temperature permeation of zirconia microspheres by nitrogen and oxygen, 23:22654 (SC-RR-69-160)
LEVINE, Harold Some problems in potential theory, 25:7507
LEVINE, Harry Ammonium hexacyanocobalt ferrate as inorganic exchange material for determination of ^{137}Cs, 21:15855
Field method for the determination of lead in glass used for shielding television receiver components, 24:16412 (DEP-69-2)
Lead content of glass used for shielding television receiver components, 24:34951
Microwave oven test load evaluation and determination of internal microwave energy distribution, 24:50936 (BRH/DEP-70-23)
LEVINE, Herman S. Combustion of zirconium droplets in oxygen/rare gas mixtures, 25:22064
Kinetics studies at temperatures near 4000°K using the falling specimen technique: the reaction $Zr(l)+O_2(g) \rightarrow ZrO_2(l)$, 25:16460
LEVINE, Howard B. Classical theory of collision-induced absorption in rare-gas mixtures, 21:16823
LEVINE, J. Class of nonintegrable singular electromagnetic fields, 21:46513
LEVINE, Jack Curvature collineations in Riemannian space—times, 24:30586
Curvature collineations: fundamental symmetry property of the space—times of general relativity, 23:27864
Gravitational radiation, 21:42221
LEVINE, James L. Density of states of a short-mean-free-path superconductor in a magnetic field by electron tunneling, 21:25066
Diffusion of quasi particles in superconducting aluminum films, 22:34542
Mobility of electrons in low-temperature helium gas, 21:16828
Recombination time of quasiparticles in superconducting aluminum, 22:26339
LEVINE, Jerome I. Radiation exposure to a phantom patient during simulated chiropractic spinal radiography, 25:46837
LEVINE, Jules D. Oxygen as a beneficial additive in cesium thermionic energy converters, 21:16847
LEVINE, L. P. Ion emission from laser irradiated tungsten, 21:13639
Particle emission in laser-surface interactions, 21:3642
LEVINE, L. S. Normal and transverse ionizing shock studies, 23:30537
Propagation of an intense relativistic electron beam through a plasma background, 25:25110
LEVINE, Lawrence Antibodies to photoproducts of DNA irradiated with ultraviolet light, 21:4752
Appearance of brain-specific antigen in developing rat brain, 25:4694 (UCLA-12-791)
LEVINE, Leslie S. Experimental investigations of normal ionizing shock waves, 22:1191 (LA-3770, Paper E8)
Experimental investigations of normal ionizing shock waves, 22:34632 (AD-663212)
Experimental investigations of normal ionizing shock waves, 22:36950
LEVINE, M. A. Stark broadening for turbulence studies in a confined plasma, 24:32850
LEVINE, M. J. Dirac matrix and tensor algebra on a digital computer, 22:22339
Effect of self-energy terms in Bethe—Salpeter equation, 21:33767
Intermediate vector boson contribution to the muon's anomalous magnetic moment, 21:25275
Nonplanar graphs and the Bethe—Salpeter equation, 25:7752
Process $\gamma + \gamma \rightarrow \tau + \text{anti } \tau$, 21:21200
Reaction $^{12}C(^{14}N,^{6}Li)^{20}Ne$ and structure of upper $K = 0^+$ bands, 25:59743
Search for $T = 3/2$ states in ^{13}N, 22:26909
Sixth-order magnetic moment of the electron, 25:40928
Solution of the Bethe—Salpeter equation in the inelastic region, 21:19059
$T = {}^3/_2$ states in ^{13}N, 24:13301
LEVINE, M. M. Deep penetration of neutrons in iron, 21:37540
Fast reactor data, codes, and integral experiments, 24:22504
Operating a breeder reactor, 21:40644
Ordered-bed fast reactor concept, 22:9992 (BNL-50027)
Penetration of neutrons in iron, 22:5726
Scattering integral in Boltzmann equation in deep penetration calculations in iron, 22:22519 (BNL-12322)
LEVINE, Martin William Cathodoluminescence of ruby, 21:18837
LEVINE, Melvin Reactor kinetics research at BNL, 22:27478 (BNL-12390)
LEVINE, Melvin M. Effect of moderation on reaction cross-section measurements, 25:38858
Out-of-core detector response to arbitrary power shapes, 22:30839
LEVINE, Michael J. Intermediate vector boson contribution to the muon's anomalous magnetic moment, 21:21181 (UCSD-10-P-10-23)
LEVINE, Michael Joseph Study of $T = {}^3/_2$ states in ^{13}N, 23:44836
LEVINE, Morton A. Design and construction of a cusp magnetic field device for plasma containment, 21:31387 (CONF-661016, pp 72-6)
Electrolytic tank analog for magnetic field design, 21:730

  - Energy transfer from a test electron to a collisionless plasma, 21:3835 (AD-641639)
  - Plasma behavior in a toroidal high-β device, 24:28261
  - Plasmas in space, 21:2125
- LEVINE, Myron Mutant of Salmonella typhimurium, 22:36233
  - Recombination-deficient mutant of Salmonella typhimurium, 22:40650
- LEVINE, P. J. Irradiation behavior of sodium-bonded (U,Pu)C fuels, 23:36285
  - Irradiation behavior of sodium-bonded (U,Pu)C fuel pins, 25:32859
  - Irradiation tests of sodium-bonded mixed carbide fuel pins, 24:10205
  - Postirradiation observations of sodium-bonded (U,Pu)C fuels, 25:4894
- LEVINE, R. D. Classical and semiclassical limits in collision theory, 25:9228
  - Energy distribution of final products in molecular collisions, 25:52671
  - Internal excitation in nonreactive molecular collisions, 22:43891
  - Nonadiabatic model for population inversion in molecular collisions, 25:49745
  - Opacity analysis of inelastic molecular collision. I, 24:4996
  - Opacity analysis of inelastic molecular collisions. IV, 24:39875
  - Opacity analysis of inelastic molecular collisions, 24:42535
  - Opacity analysis of inelastic molecular collisions, 24:51449
  - Opacity analysis of inelastic molecular collisions. VI, 25:22365
  - Role of potential curve crossing in subexcitation molecular collisions, 23:27373
  - Rotational sub-excitation resonances in slow molecular collisions, 22:29283
  - Theory of vibrational excitation in the near classical limit, 25:30295
  - Transition probabilities in molecular collisions: computational studies of rotational excitation, 24:28102
- LEVINE, Robert J. Histamine release from rat peritoneal mast cells, 23:6370
- LEVINE, S. H. Active radiation shield for cylindrically shaped vehicles, 25:43425
  - Charged particle motion in magnetic radiation shielding fields, 23:32550 (N-69-10232)
  - Neutron spectrum measurements for Northrop reactor, 21:14084 (NSL-64-187-1964)
  - New iterative method for unfolding multiple foil activation data, 24:31718
  - Quasi-hollow conductor magnet as a space shield against electrons, 21:37519
  - Safeguards report for MGCR critical experiment, 22:7806 (GA-1100(Suppl.1))
- LEVINE, Samuel H. Fuel management program to optimize fuel utilization in TRIGA research reactors, 25:41555
  - Sixteenth annual progress report of the Pennsylvania State University Breazeale Nuclear Reactor, July 1, 1970—June 30, 1971, 25:50933 (NYO-1859-17)
- LEVINE, Saul Procedure for evaluating PWR containment performance during loss-of-coolant accidents, 22:5978
- LEVINE, Seymour Allergic encephalomyelitis, 23:43710
- LEVINGER, J. S. Accuracy of a separable approximation, 24:13410
  - Extrapolation of nucleon form factors. II, 22:3337
  - Hall—Post lower bound calculations for the three-nucleon system, 25:43983
  - Minimum percent D-state for the deuteron, 23:37099
  - Relationship between the triton energy and the neutron—deuteron doublet scattering length, 25:18013
  - Separable approximation for n—d scattering, 24:52138
  - Separable approximations to the t matrix, 23:31087
  - Separable potential calculations on the $^{1}/_{2}{}^{+}$ neutron—deuteron system, 25:12359
  - Unitary pole approximation and binding energy of the trinucleon, 24:13430
  - Yamaguchi's deuteron wave function, 25:5871
- LEVINS, D. M. Heavy water production, 25:8315 (AAEC/TM-562)
- LEVINSEN, M. T. Microwave-enhanced supercurrent across Josephson junction in magnetic field, 24:1352
  - Variation with microwave power of the current steps of superconducting microbridges, 25:38322
- LEVINSHTEIN, M. L. Effectiveness of spark connection for reactors designed for limiting internal surges, 22:14610
- LEVINSKAYA, M. Kh. Iron—boron system diagram, 24:1090
  - Phase diagram of the molybdenum—boron system, 22:4808
- LEVINSKII, Yu. B. Effect of nitriding on the mechanical properties of niobium, 25:52370
  - Effect of nitrogenation on the mechanical properties of niobium, 25:22079
- LEVINSKII, Yu. V. Diagram of tungsten—boron system state, 21:28785
  - Effect of nitriding on the properties of tantalum, 25:58259
  - Elasticity of Ti and Zr nitrides, 22:38630
  - Nitrogen diffusion in zirconium, 25:42967
  - Phase diagram of the molybdenum—boron system, 22:4808
  - Synthesis and properties of molybdenum borocarbide, 25:42941
- LEVINSKY, E. S. Effects of electron interactions on the plasma thermal conductivity, 22:36931
  - Plasma thermal conductivity with collective effects, 21:771
- LEVINSKY, H. Interaction of reactor radiation and growth substances on summer barley, 23:29902
- LEVINSON, A. A. Proceedings of the Apollo 11 lunar science conference, Houston, Tex., 1/70. I, 24:37170
  - Proceedings of the Apollo 11 lunar science conference, Houston, Tex., 1/70. III, 24:37172
  - Proceedings of the Apollo 11 lunar science conference, Houston, Tex., 1/70. II, 24:37171
- LEVINSON, C. A. Nature of Hartree—Fock calculations in light nuclei, 21:13807
  - Nonrelativistic hard-pion production and current-field algebra, 25:30898
  - Nuclear binding energies and coupling schemes, 22:20747
  - Quark models, universality, symmetry, and high-energy scattering, 21:2506
  - Shapes and symmetries of light nuclei, 23:30972
  - Universal coupling of omega meson and Regge residues, 22:5563 (TID-24135)
  - Universal coupling of the ω meson and Regge residues, 23:15096
  - Vector dominance in photoproduction, 22:32085
- LEVINSON, Carl A. 1967 Yugoslav summer school lecture notes on Hartree—Fock theory, 22:3756 (TID-24142)
- LEVINSON, Hillel S. Release of inorganic phosphate from irradiated yeast, 21:20442
- LEVINSON, J. Annealing of singlet and triplet quenching centers in anthracene, 25:7460
- LEVINSON, L. M. Elastic stiffness of Gd in spin-rotation region, 25:33459
- LEVINSON, L. S. Graphitisation of polyfurfuryl alcohol, 22:28900
  - Method for determining the microstructural changes in graphite that accompany high temperature deformation, 23:10294
- LEVINSON, Lionel M. Moessbauer study of some 2-17 lanthanide—iron compounds, 24:24181
  - Resolving power of coincidence Moessbauer spectroscopy, 25:2483
  - Spin relaxation in Moessbauer spectra of magnetically ordered systems, 22:39206
- LEVINSON, Monte J. Thyroid carcinoma ten years after sodium iodide, 21:24642
- LEVINSON, Paul Optical characteristics of superconducting magnetic lenses with very high field, 22:5284
  - Ultra-fine adjustment for objective with superconducting winding, 22:30753
- LEVINSON, W. Toxic effect of x-irradiated medium on chick embryo cells, 21:6682
- LEVINSON, Warren Radiation studies of Avian tumor viruses and of Newcastle disease virus, 21:11158
- LEVINSTEIN, H. J. Superconducting energy gap of bulk lanthanum by point-contact tunneling, 21:20886
  - Unusual strain dependence of T/sub c/ and related effects in A-15 superconductors, 24:35338
  - Unusual strain dependence of T/sub c/ and related effects for high-temperature superconductors, 25:14183
- LEVINTHAL, Elliott C. Variable time-lapse videoscintiscope, 24:14258
- LEVINTOV, I. I. Asymptotic nuclear spectroscopy, 22:35412
  - Concerning one possibility of observing branch points connected with p and p' poles, 21:42357
  - Deuteron generation on nuclei by high-energy protons, 24:28485
  - Neutron polarization in (d,n) reactions, 22:48500
  - Possibility of branching effect in p and p' poles in πN scattering, 22:44437
  - Possibility of finding out branch points connected with p and p' poles, 21:42355 (ITEF-487)
  - Spin flip and polarization in scattering of high energy particles, 23:39847
  - Suitable measurement method of the spin flip effect in the meson—nucleon scattering, 22:24652
- LEVINTOVICH, E. V. Thermal expansion of stabilized zirconium dioxide at 300 to 2600°K, 23:14401
- LEVINZON, D. I. Some properties of Ge alloyed with Nd, 22:44275
- LEVIS, G. Structure and metabolism of non-haemoglobin Fe-bearing component of thalassaemic red cells, 24:29630
- LEVIS, Gabriel M. Effect of ionizing irradiation on oxidation of palmitate-1-^{14}C by thymus and liver, 23:6394
  - Effect of ionizing irradiation on the lipid biosynthesis by thymus and liver, 22:51473
- LEVIS, W. R. Malignant histiocytosis, 23:9999
  - Rapid and sensitive assay for DNA synthesis in leucocyte cultures, 24:41213
- LEVI SETTI, R. Diffraction slopes in meson—nucleon scattering, 23:25642
  - Final state interaction effects in π^- mesonic decays of light hypernuclei, 22:24529
  - Formation of resonant states in $K^- + p \rightarrow K^- + p$ between 0.8 and 1.2 GeV/c, 21:3996
  - Multiple meson production by heavy primary nuclei of cosmic origin and their fragmentation products at energies above 10^{12} eV, 21:37676
  - Production and decay of $Y_1^*(1760)$ in the reaction $K^- + p \rightarrow K^- + p + \pi^0$, 21:885
  - Saturation of high-energy forward elastic amplitudes with an infinite-resonance model, 23:15269
  - Strange baryon resonances, 25:7654 (CONF-690608-, pp 341-83)
- LEVIT, L. B. Search for a CP-nonconserving asymmetry in the decay K/sub L/$^0 \rightarrow \pi^+\pi^-\pi^0$, 23:5524
- LEVIT, Lawrence B. Search for CP-nonconserving asymmetry in decay K/sub L/$^0 \rightarrow \pi^+\pi^-\pi^0$, 25:36550 (COO-1749-24)
- LEVIT, P. A. Production of 3-MOe pulsed magnetic fields by discharging a capacitor bank, 24:45288
  - Stability of single-turn coils in pulsed magnetic fields up to 1 MG, 25:30556 (EUR-4593, pp 25-32)
- LEVIT, Pavel Some problems of aviation and space medicine, 23:43893
- LEVIT, V. I. Orientation, purity, and perfection of Mo single crystals grown by electron-beam zone melting, 21:20527
- LEVITAN, J. Low-pressure oxidation of zirconium, 22:622
  - Zirconium oxidation, 21:26751 (ANL-7252)
- LEVITAS, A. Direct plating of radiocarbon as calcium carbonate, 24:36177
- LEVITIN, A. E. Negative excess of electrons in electromagnetic cascade showers, 22:21919
  - Polarization of geomagnetic pulsations of Pi2 type, 24:39983
- LEVITIN, E. I. Changes in leukocyte count in peripheral blood of patients suffering from chronic myeloleukosis, 24:2827
- LEVITIN, M. M. Genetics and selection of Beauveria bassiana (Bals.) Vuill., an entomopathogenic fungus. I, 25:26703
  - Lethal and mutagenic effects of uv rays on Kabatiella lini (Laff.) Karak. and (Pullularia pullulans (de Bary) Bernh, 21:45598
  - Mutability of fungi, 25:26698
  - Resistance of fungus to uv and x-rays, 24:25614
- LEVITIN, R. Z. Anisotropy of magnetization and magnetostriction of Tb, Dy, Er, and Gd in pulsed fields up to 150 kOe, 22:37037
  - Contribution of the magnetoelastic energy to the uniaxial magnetic anisotropy energy of dysprosium, 21:22880
  - Effect of dissolving terbium by yttrium on the helicoidal structure of terbium—yttrium alloys, 22:22244
  - Magnetic uniaxial anisotropy constants of Ho, 24:19979
  - Neutron-diffraction investigation of hematite in magnetic field to 120 kOe on pulsed fast reactor, 24:3458 (JINR-P14-4548)
  - Neutron-diffraction study of hematite in magnetic fields up to 120 kOe, 25:45594
- LEVITINA, N. A. Nonthermal effect of microwaves on cardiac rhythm of frogs, 22:47610
- LEVITMAN, M. Kh. Direct and remote effects of radiation on bone marrow, 22:51950
  - Methods of preparation of tissue samples for radiometry, 21:4471
- LEVITOVICH, E. Isomeric transition in ^{133}Ce, 23:44885 (JINR-P6-4499)
  - New isomeric state in N = 77 isotopes: /sup 137m/Nd, 24:6883 (JINR-P6-4597)
  - Properties of Cs neutron-deficient nuclei. IV, 24:22143 (JINR-P6-4871)
- LEVITSKAYA, N. A. Contrasting of thoracic duct, 24:17088
- LEVITSKII, A. P. Activity of esterases in rabbit blood and organs after x-irradiation, 25:16032
  - Effect of x-rays on arylesterase activity of the blood and organs in rats, 22:33735
  - Esterases in rat liver and blood after x irradiation and thiophosphamide treatment, 25:21902
  - Esterases of the pancreas and duodenum of rats under the action of x-rays and thiophosphamide, 23:50350
  - Free fatty acids in blood serum after x-irradiation, 23:18111
  - Similarities and differences in the biochemical effects of radiation and radiomimetics, 22:49239
- LEVITSKII, B. M. Mechanism of low neutron dose radiation growth of uranium, 22:34085
  - Radiation growth of uranium at low burnups, 24:42169
- LEVITSKII, L. S. Connection between increased solar radio emission in the meter range and absorption in the polar cap, 21:1990
  - Distribution of centers of activity with heliographic longitude, 21:37008
  - Equatorial zone of avoidance of solar cosmic-ray arrival, 25:19437
  - Interplanetary plasma and magnetic field in plane of solar equator, 25:35759
  - List of proton flares, polar cap absorptions, and solar microwave radio bursts, 25:35758
  - Proton flares during 1961—1962 and related radio emission, 21:16721
  - Proton flares in 1963, 21:16726
  - Variations of the relative number of proton flares of different importance during a solar activity cycle, 21:37011
- LEVITSKII, S. M. Amplification of microwave oscillations in an arc discharge with a hot cathode, 24:28260
  - Effect of electron collisions on instabilities in beam—plasma systems, 25:22499
  - Electron-beam relaxation in a plasma, 25:27700
  - Fine structure of the distribution function of an electron beam interacting with a plasma, 25:1193
  - Fine structure of the distribution function of an electron beam interacting with a plasma, 25:52811
  - Interaction of an electron beam with a bounded plasma in the presence of a magnetic field, 21:5283
  - Interaction of an electron beam with a transverse nonuniform plasma layer, 22:3068
  - Interaction of microwave oscillations and low-frequency oscillations in a beam—plasma system, 24:3343
  - Microwave oscillations induced by interaction of electron beam with plasma, 22:34703
  - Perturbation of a beam plasma by the fields of the oscillations that arise in it, 21:5280
  - Redistribution of electron and ion densities in plasma by uhf field, 21:46355
  - Resolution of the dispersion equation for plasma—beam systems with consideration of colliding electrons, 24:40088
  - Spatial development of plasma beam instability, 21:15201
- LEVITSKY, S. Experimental evaluation of a radioisotope-powered cardiac pacemaker, 25:57669
- LEVITT, Albert P. Multiple necking of tungsten fibers in a brass—tungsten composite, 24:32413
  - Whisker-strengthened metals, 21:22882
- LEVITT, J. I. Potassium-42 exchange in canine kidney, 22:28319
- LEVITT, L. B. Adjoints in Monte Carlo estimation of resonance integrals, 21:44524 (NAA-SR-12494)
  - Basic-theory calcultion: Monte Carlo methods, 23:23874 (AI-AEC-12744, pp 27-9)
  - Calculation of reaction rates in small physical regions, 23:21558 (AI-AEC-12774)

HWOCR—SAFE: Monte Carlo reactor analysis code, 23:45059 (AI-CE-Memo-69)
Monte Carlo analysis of resonance integral experiments, 23:47310 (CNM-R-2(Vol.2), pp 1136-40)
Reactor development, 23:13404 (AI-AEC-12721, pp 61-7)
SAFE: three-dimensional Monte Carlo code for nuclear safety studies, 22:10079 (NAA-SR-Memo-12490)
SAFE: three-dimensional Monte Carlo code for nuclear safety studies, 23:47308 (CNM-R-2(Vol.2), pp 1109-20)
Simplified Monte Carlo approach to deep penetration problems, 22:36959 (AI-64-Memo-152)

LEVITT, Leo B. Applications of Monte Carlo to problems in reactor design and experimental analysis, 22:32886
Applications of Monte Carlo to problems in reactor design and experimental analysis, 23:15730 (ANS-RPD-1, Paper 3A)
Monte Carlo eigenvalue calculations of fast critical assemblies, 24:33418
New adjoint Monte Carlo technique, 23:37697
New non-mulitgroup adjoint Monte Carlo technique, 23:39903 (CONF-690401-, pp 633-49)
Use of self-optimized exponential biasing in obtaining Monte Carlo estimates of transmission probabilities, 22:17721

LEVITT, Leo C. Linearized superposition theory of a classical one-component plasma, 21:15162

LEVITT, M. Energies and lifetimes of metastable autoionizing (1s2s2p)^{4}P/sub J/ states of ^{6}Li and ^{7}Li; assignment of Li-I/sup b/ quartet lines, 22:41346

LEVITT, S. H. Advantages and disadvantages of intensive split-dose radiation therapy, 24:29835
Combination of preoperative irradiation and surgery in the treatment of cancer of the oropharynx, hypopharynx, and larynx, 25:42588
Radiation therapy in treatment of carcinoma of esophagus, 24:34515
Significant factors in red cell mass changes after fractionated local radiotherapy, 23:41495
Treatment of malignant superior vena caval obstruction, 23:50746

LEVITT, Seymour H. Effect of hypertension and arteriosclerosis on response to radiation therapy of carcinoma of the cervix, 22:2528
Effect of x irradiation on vascularity of normal tissues, 24:21288
Histologic effect of fractionated doses, 23:45921
Irradiation as an immunosuppressive agent in organ transplantation, 24:6013
Radiation therapy in treatment of advanced lung cancer, 22:2524

LEVITUS, Z. Rapid sequential kidney scanning with ^{131}I-hippuran, 23:38645

LEVITZ, M. Computer program for the fall and dispersion of particles in the atmosphere, 21:36149 (SC-CR-67-2530)
Prog. rpt. on particle fallout and dispersion in the atmosphere, final, 7/66, 21:6035 (SC-CR-66-2031)

LEVITZ, Mortimer Relative conversion of 6,7-^{3}H-estrone to ^{3}H-15α-hydroxyestrogens and ^{3}H-7α-hydroxyestrogens by Glomerella fusarioides, 25:15613

LEVITZ, N. M. Candidate for second-generation fuel-reprocessing plants, 21:25959
Chemical Engineering Division fuel cycle technology quarterly report, July—September 1970, 25:13077 (ANL-7755)
Chemical Engineering Division fuel cycle technology quarterly report, January—March 1971, 25:57507 (ANL-7799)
Engineering development of fluid-bed fluoride volatility processes. XI, 23:9496 (ANL-7339)
Engineering development of fluid-bed fluoride volatility processes. XV, 23:9497 (ANL-7468)
Engineering development of fluid-bed fluoride volatility processes. XIV, 24:31437 (ANL-7473)
Engineering development of fluid-bed fluoride volatility processes. Part 16. A safety manual for the engineering-scale alpha facility, 25:8446 (ANL-7672)
Fluid-bed fluoride volatility processing of spent reactor fuel materials, 24:22744
Fluoride volatility methods for reprocessing reactor fuels, 23:38076
Fluoride volatility process for fast breeder reactor fuels, 23:38052
Fluoride volatility studies on Pu-bearing fuel materials, 23:38051
Fluorination of U and Pu, 23:19818 (CONF-680610-, pp 18-41)
Fuel cycle technology quarterly report, April, May, June 1970, 25:2306 (ANL-7735)
Kilogram-scale production of plutonium hexafluoride by fluorination in a fluidized bed, 22:30568
Production of plutonium hexafluoride by fluorination in a fluidized bed, 23:9387
Prog. rpt. on fuel cycle technology, 10—12/70, 25:23641 (ANL-7767)

LEVITZ, Norman Fluidization fundamentals and application, 25:46551

LEVITZ, Norman M. Annular packed-bed filter, 25:10761
Blowback of sintered-metal filters: review of tests and operating experience, 22:25564 (ANL-7392)
Oxidation reduction procedure for particle-size reduction of UO$_2$, 21:39681

LEVITZKI, Alexander Modification of the radiolytic oxidation of ribonuclease induced by bound copper, 21:36032
The effect of copper on the radiosensitivity of bacteria, 24:34797

LEVKOVICH, A. D. Contribution of the scintillator to the resolution of a spectrometer using the single-electron method, 25:18745

LEVKOVICH, E. N. Variability of western equine encephalomyelitis virus. I, 21:45601

LEVKOVSKI, V. N. Cross sections of the (n,p) and (n,α) reactions at the neutron energy of 14.8 MeV, 23:5844

LEVKOVSKII, A. A. Decomposition of characteristics of particles emitted in two stages of nuclear spallation into partial characteristics, 25:53862

LEVKOVSKII, V. N. Cross sections of (n,p) and (n,α) reactions on Cu, Zn, Ga, and Ge isotopes with 14.8-MeV neutrons, 21:33942
Cross sections of (n,p) and (n,α) reactions at neutron energy of 14.8 MeV, 22:48499
Cross sections of reactions (n,p) and (n,α) at 14.8 MeV neutron energy, 23:46967
Cross sections of reactions (n,p) and (n,α) at neutron energy of 14.8 MeV, 25:53786
Cross sections of the reactions (n,p) and (n,α) at neutron energy of 14.8 MeV, 21:44628
Decay of ^{44}K and ^{44}Sc, 24:38191
Decay of ^{61}Co and ^{62}Co, 23:40023
Decay of isomers of ^{62}Co, 23:13238
Gamma radiation of ^{111}Sn, 23:42921
Iron isotope ^{61}Fe, 21:21507

LEVMAN, G. M. Duality invariant action principle in vacuum electrodynamics, 25:5403

LEVONI, Sergio Particular solutions in spherical coordinates in magnetofluiddynamics, 21:20827

LEVONYAN, E. Ts. Bubble chamber (300-liter) PK-300, 23:33526
Photographic system of one-meter bubble chamber, 23:38315
Pressure changing mechanism of 300-liter bubble chamber, 23:9738

LEVOS, Ch. Routine tests at UP2 plant, 24:2122

LEVRARD, Jocelyn Study and comparison of analytical methods for determining molybdenum in uranium—molybdenum alloys, 23:17324 (CEA-R-3634)

LEVRAT, B. Mass spectrum of bosons from 500 to 2500 Mev in the reaction $\pi^- + p \rightarrow p + X^-$ observed by a missing-mass spectrometer, 21:886
Test results of digitized wide-gap wire chambers, 21:36334 (CERN-67-13)

LEVRAT, B. C. Data link between two computers, 22:10593 (CERN-67-31)

LEVRET, Clet Physics of phenomena in the zone close to an underground nuclear explosion, 24:2330 (CEA-R-3850)

LEVRI, E. Simplified ultramicro-determination of copper in biological specimens by neutron activation analysis, 25:46459

LEVSHIN, E. B. Analysis of elastic deuteron scattering by nuclei, the tensor spin-orbital interaction being taken into account, 21:42687
Deuteron breakup in interactions with nuclei, 21:2765
Deuteron vector polarization in elastic scattering on ^{9}Be, ^{11}Be, and Ti nuclei, 25:53622
Dynamical polarizability of deuteron and elastic scattering of deuterons on nuclei, 21:40496
Perturbation theory for description of tensor spin—orbit interaction in optical model, 22:44800
Relation between the optical potentials of nucleons and deuterons, 23:23762

LEVSHIN, E. P. Reactor heat removal, 24:33497

LEVSHUK, L. A. Compact source for negative oxygen ions, 22:44564
Production and investigation of inhomogeneous plasma in Penning discharges, 23:10678
Semiautomatic apparatus for the investigation of gas-discharge plasma in magnetic fields, 23:3510

LEVSKII, L. K. Age of the elements and the r-process in the solar system, 23:41846
Cosmogenic isotopes in 42 fragments of Sikhote—Alin meteorite, 25:55671
Inert gases in iron meteorites and spallation reactions, 24:19528
Isotopic composition of lithium in uranium minerals, 24:41452
Mass spectrometric determination of relative cross section of reaction ^{133}Cs(p,2pxn)/sup 132 - x/Xe, 22:37363
Relative yield of Xe isotopes on irradiation of Ba by protons with an energy of 680 MeV, 24:44031
Use of thermionic emission in isotope analysis of lead and lithium, 24:26928

LEVSTEK, I. Quasi-spin wave H tunneling modes in KH$_2$PO$_4$ and KD$_2$PO$_4$, 24:33665

LEVSTEK, M. Adsorption of V on oxides and its application to analytical separations, 25:12959

LEVTOV, V. L. Plasma acceleration in accelerators with dielectric erosion, 24:49201
Tests of a pulsed plasma accelerator of rail geometry, 21:29253

LEVY Control-command of high power nuclear power plants cooled with carbon dioxide, 21:15680

LEVY, A. Agreement of vector dominance model with photoproduction data, 23:49080
Energy dependence of reaction $\gamma p \rightarrow \mathrm{rho}^-\Delta^{++}$, 25:33610
Gamma-p total hadronic cross sections at 7.5 GeV, 23:5518
Heavy-boson production in anti pp multipion annihilation at 6.94 GeV/c, 24:37623
Interactions γp at 5.25 GeV, 24:3502
Iodine isotopic composition on hormone labeling, 24:29679
Isotopic exchange induced by excitation of the iodine—iodobenzene charge-transfer complex, 24:13817
Partial photoproduction cross sections up to 12 GeV, 23:5517

LEVY, A. J. Annular lithium-drifted germanium detector, 23:13988 (N-68-35152)
Linearity of Ge(Li) detector in range 0.5 to 10 MeV, 21:17841
The annular lithium-drifted germanium detector as a standard-geometry gamma spectrometer, 21:32461

LEVY, Aharon Gamma—rho^0 coupling constant, 23:36870

LEVY, Albert Motion of center of gravity of wave packet, 24:18124

LEVY, Allan H. Ultraviolet inactivation kinetics for discrete cellular sites that code for interferon synthesis, 21:14581

LEVY, Arthur J. Annular lithium-drifted germanium detector for studying nuclear reaction gamma rays, 22:37992 (N-68-11787)

LEVY, Arthur James Annular Li-drifted Ge detector for studying nuclear reaction gamma rays, 22:2418

LEVY, Bernard Improvements in detection apparatus, 24:23004

LEVY, Bernard S. Sodium-22 retention and 17-hydroxycorticosteroid excretion in affective disorders, 23:50285
Thyroid-uptake studies using ^{132}I, 24:12149

LEVY, Boris Ion-molecule reactions, 23:45311
Radiation-induced ion—molecule reactions, 24:27146

LEVY, C Biological and medical aspects of radioprotection, 21:45640

LEVY, C. Caryotypic analysis in four cases of accidental irradiation, 22:51549

LEVY, C. A. Reactions with silane of silicon atoms recoiling from ^{30}Si(n,γ)^{31}Si, 23:2356

LEVY, C. K. Effect of serum from irradiated rats on gastrointestinal function, 24:34680
Intracerebral temperature changes after x irradiation in the rabbit, 25:13575

LEVY, Carl A. Germanium atoms: reactions with germane and silane, 23:19788

LEVY, Charles Kingsley Immediate, transient responses to ionizing radiation, 22:40880

LEVY, D. Group formulation of potential scattering, 22:35133

LEVY, D. J. Large-mass timelike muon pairs in hadronic interactions, 24:5319

LEVY, Donald H. Electron spin resonance spectra of radical anions of several 1,3-dienes, 21:17610 (UCRL-16410)
Hyperfine interactions in gas phase electron resonance spectrum of ^{33}S^{16}O, 22:11217
Magnetic resonance spectrum of vibrationally excited OH and a prediction of the radio-astronomy spectrum, 25:8975

LEVY, Donald J. Composite particles in S-matrix theory and in field theory, 23:23570
Deep-inelastic electron scattering, 24:30480
Field-theoretic model for electron—nucleon deep inelastic scattering, 23:21075
Modified scaling law for large-angle πN scattering, 25:17512
Multipion bound states in a sigma meson, 22:26632
Theory of deep-inelastic lepton—nucleon scattering and lepton-pair annihilation processes. I, 24:13001

LEVY, Donald Joseph Multi-pion systems; symmetries and the hydrogen atom, 22:24698

LEVY, Edward K. Vapor compressibility effects in heat pipes. Progress report No. 1, 24:36458 (NYO-4095-1)

LEVY, Eugene H. Dynamics of hydromagnetic bubbles and double radio sources, 25:16678

LEVY, F. Decay rate of the short lived neutral kaon, 22:32097
Deformation of lattices of two rare-earth phosphides, 23:16876
Distortions of lattice of some trivalent compounds of rare earths, 25:4803
Magnetostriction of exchange in EuO, 22:31982

LEVY, Francoise Taking samples of radioactive substances, 25:4516

LEVY, G. An experimental study of electron loss during the passage of fast hydrogen atoms through atomic hydrogen, 21:31236
Charge-changing collisions involving fast helium beams: the effect of a metastable atom component, 21:43800
Electron loss in collisions involving fast metastable helium atoms, 22:29268
Formation and destruction of fast metastable helium atoms in charge-changing collisions, 22:52485
Metastable atoms in fast helium beams, 21:14980
Quantitative analysis of fast metastable He atoms in collisions involving electron loss, 22:21901

LEVY, G. S. Quasi-stationary coronal magnetic field and electron density, 25:7063
Transient Faraday rotation phenomena observed during solar occultation, 24:4951

LEVY, Gerald Measurement of electric fields in the ionosphere, 22:38887 (N-68-17614)
Prog. rpt. on measurement of electric fields in ionosphere, final, 8/66—9/67. I, 23:22979 (N-68-37604)
Prog. rpt. on measurement of electric fields in ionosphere, final, 8/66—9/67. II, 23:22980 (N-68-37713)

LEVY, Gerald S. Atmosphere and ionosphere of Venus from the Mariner V S-band radio occultation measurement, 22:8864

LEVY, H. Classification of stationary axisymmetric gravitational fields, 22:41862
Peak effect in a type-I superconductor, 23:36634

LEVY, H. A. Oak Ridge computer-controlled x-ray diffractometer, 22:10633 (ORNL-4143)
X-ray diffraction data on liquid carbon tetrachloride at 25°C, 21:14182 (ORNL-4068)
X-ray diffraction data on liquid neopentane at 25°C, 21:21920 (ORNL-4103)

LEVY, H. B. Identification and determination of γ emitters by computer analysis of Ge(Li) spectra, 21:30353 (UCID-15140)

LEVY, Henri A. Angle calculations for 3- and 4-circle x-ray and neutron diffractometers, 21:12714 (ORNL-4054)
Crystal structure of rubidium hexafluoroprotactinate(V), RbPaF$_6$, 23:45275

LEVY, I. Marshall Radioisotope heater for a silver—zinc battery, 22:37952

LEVY, I. S. Improved postirradiation tensile and stress-rupture properties of Hastelloy X-280, 21:22893 (BNWL-SA-372)

  - Improved tensile properties of Hastelloy X-280 and Inconel 600 after high temperature irradiation, 22:34078 (BNWL-SA-1442)
  - Influence of thermomechanical treatments on strength, high temperature stability, and microstructure of Hastelloy X-280, 21:39609 (BNWL-SA-1183)
  - Postirradiation mechanical property improvement in Hastelloy X-280 and Inconel-600, 21:6850
  - Strain- and irradiation-induced precipitation in preconditioned Hastelloy X-280, 21:32930 (BNWL-211)
  - Strength, high temperature stability, and microstructure of Hastelloy X-280, 23:33987
  - Thermomechanically-produced carbide dispersion-strengthened austenitic stainless steel with improved high-temperature tensile and creep-rupture properties, 25:35300
- LEVY, Ira S. Production of metal resistant to neutron irradiation, 25:29799
- LEVY, J. Anamnestic response to Leptospira canicola and infectious canine hepatitis antigens in beagles exposed to ^{90}Sr by inhalation or intravenous injection, 24:39571
  - Deep-inelastic electron—positron annihilation, 24:37686
  - Effect of radioprotectors in electroretinography, 23:16349
  - Freon 7-rod cluster subchannel mixing experiments, 23:38158 (AEEW-M-906)
  - Utilization of numerical computer for sequence automation in EDF-4 power plant, 22:48681
- LEVY, J. P. Quantitative study of Rauscher virus inactivation by various physical and chemical agents, 21:26695
- LEVY, J. V. SLAC high-energy spectrometer data system, 21:9877
- LEVY, Lester M. /sup 99m/Tc localization in the choroid plexus, 24:34451
  - Salivary gland scinti-scanning, 23:43811
- LEVY, M. Alleviation of the silicide pest in a coating for refractory metals, 24:23507
  - Apparent two energy gaps in pure niobium, 25:40548
  - Asymptotic behavior of scattering amplitudes in the relativistic eikonal approximation, 25:1656
  - Cargese lectures in physics. I, 22:7460
  - Cargese lectures in physics. II, 22:46510
  - Currents and symmetry breaking, 22:3478
  - Decomposition of pulse height spectra of Ge(Li) detectors, 22:16861
  - Electron—phonon interaction in superconducting high-purity rhenium, 25:1102
  - Large peak in spin—phonon interaction in Dy, 24:35558
  - Magnetic field dependence of spin phonon interaction in holmium, 24:42828
  - Maxima in the electron—phonon interaction in rhenium, 25:47681
  - Photometric analysis of solar granulation corrected for the blurring effect, 25:47294
  - Regular flux jumps in the mixed state of niobium, 25:1125
  - Temperature dependence of spin—phonon relaxation time in holmium, 24:51824
  - Two-band electron—phonon interaction in rhenium, 24:45343
  - Ultrasonic attenuation in the helical spin state of the rare-earth metals, 22:52884
- LEVY, M. E. Cesium plasma accelerator with diagnostics in visible and vacuum ultraviolet, 22:1158 (LA-3770, Paper E7)
  - Vacuum ultraviolet plasma arc radiation source for the 300 to 1000 A wavelength region, 24:12811
- LEVY, Maurice Eikonal approximation in quantum field theory, 24:13148
  - High energy electromagnetic interactions and field theory, 22:11625
  - Partially conserved currents, 22:7463
- LEVY, Michele Decay of ^{186}Re, 22:18241
  - Decay of ^{59}Fe and excited levels of ^{59}Co, 22:18160
  - Decay of ^{59}Fe and excited levels of ^{59}Co, 24:45764 (ORNL-tr-2338)
  - Evidence of an after-effect in (n,γ) reaction on polycrystalline Hf(IV) acetyl—acetonate complex, 23:35205
  - Excited states of ^{61}Ni, 21:33934
  - g-factor of first excited state of ^{196}Pt, 22:46787
  - g-Factor of the first excited state of ^{196}Pt, 22:20574 (LYCEN-6785)
  - Lifetimes and nuclear moments in ^{192}Os and ^{192}Pt, 24:24583
  - Photometric statistical study of granulation, 22:4934
  - Structure of the low-lying energy levels of ^{200}Hg, 24:30829
- LEVY, Milton Surface area effects on the oxidation kinetics of pyrolytic graphite, 25:29919
- LEVY, Moises Mixed-state ultrasonic attenuation in clean Nb near H/sub c2/, 25:52760
  - Ultrasonic attenuation in a pure type-II superconductor near H/sub c2/, 21:9490
  - Ultrasonic investigation of superconducting pairs, spiral spins, and nuclear spin waves, 25:49823 (AD-722453)
- LEVY, N. Progress in three-dimensional elastic—plastic stress analysis for fracture mechanics, 25:55515
  - rho-exchange contribution to $\gamma n \rightarrow$ rho$^-$p, 25:59385
  - Three-dimensional elastic—plastic stress and strain analysis for fracture mechanics. Phase I. Simple flawed specimens, 25:18611 (HSSTP-TR-12)
- LEVY, N. S. Computer simulation of sputtering, 22:41341
- LEVY, Naomi Decay $\omega \rightarrow \pi\pi\gamma$, 25:33609
  - Veneziano model for process $V_1 + \pi \rightarrow V_2 + \pi$, 25:19997
- LEVY, Nelson L. Immunity to human brain tumors, 25:57263 (ORO-3195-51)
- LEVY, P. Continuous layer thickness measurement of thin organic coatings on light metals or alloys using an electron backscattering gauge, 24:48338
- LEVY, P. M. s—f exchange interaction in intermetallic compounds, 25:47484
- LEVY, P. W. Dependence of thermal decomposition induction period on prior γ- and x-ray irradiation, 23:19742 (BNL-13423)
  - Effects of radiation on the thermal decomposition induction period in ammonium perchlorate and other pseudostable materials, 25:15644
  - Effects of x- and γ-ray radiation on thermal decomposition of solid orthorhombic ammonium perchlorate. II, 22:47170
  - Effects of x- and γ-ray radiation on thermal decomposition of solid orthorhombic ammonium perchlorate. I, 22:47169
  - Electronic mechanisms in solid state photolysis, 21:32136 (BNL-11522)
  - Formation of color centers in KCL:Tl by gamma irradiation at 21°C, 25:5157
  - Geologic dating by electron spin resonance, 21:15994 (BNL-11080)
  - Geologic dating by electron spin resonance, 22:6479
  - Low-temperature thermoluminescence of KN_3 and NaN_3, 24:21855
  - Radiation-induced dislocations in ammonium perchlorate crystals, 25:48549
  - Studies on nonmetals during irradiation, 24:10604
  - Studies on nonmetals during irradiation, 25:38574
  - Studies on nonmetals during irradiation. II, 25:45541
  - Thermal decompositon of irradiated orthorhombic ammonium perchlorate, 21:1390
  - Thermoluminescence in lithium fluoride, 21:23279
  - Thermoluminescence of KCl:Tl between 30 and 400°C determined by simultaneous intensity and spectral distribution measurements, 24:32900
  - Thermoluminescence of sodium azide, 23:42410
  - X-ray-induced first-stage coloring of NaCl, 21:46412
- LEVY, Paul W. Physical properties of irradiated ceramic materials, 22:19678
- LEVY, Peter M. Dependence of the s—f exchange coupling parameter on rare-earth atomic number, 25:27892
  - Indirect exchange in the rare-earth intermetallics, 24:24151
  - Permutation degeneracy in the presence of large spin—orbit coupling, 23:44188
- LEVY, Ph. Duty-cycle monitor for the synchrocyclotron, 24:13241
  - Study of temporal distributions in the beam of the synchro-cyclotron, 23:17016 (CERN-68-43)
- LEVY, R. Fast neutron irradiation of Al, Mg, and Cu, 25:58310
  - Induction of mutations in barley, 21:28418
- LEVY, R. H. Computer experiments on low-density crossed-field electron beams, 22:24308
  - Electron clouds in toroidal magnetic fields, 21:723 (AD-636120)
  - Electrostatic equilibrium of electron clouds in magnetic fields, 22:24307
  - Equilibrium of electron clouds in toroidal magnetic fields, 21:13538
  - HIPAC as a source of highly stripped heavy ions, 23:27944
  - HIPAC as a source of highly stripped heavy ions, 25:28128 (WASH-1159, pp 88-112)
  - HIPAC as source of highly stripped heavy ions, 23:27910 (NYO-3863-12)
  - HIPAC ion source, 25:31138
  - HIPAC source of highly stripped heavy ions, 24:45699
  - Ion resonance instability in grossly non-neutral plasmas, 22:48138 (TID-24688)
  - Ion resonance instability in grossly nonneutral plasmas, 24:8482
  - Landau damping in crossed-field electron beams and inviscid shear flow, 22:50074 (NYO-3863-9)
  - Landau damping in crossed-field electron beams and inviscid shear flow, 23:34428 (N-69-22895)
  - Landau damping in crossed-field electron beams and inviscid shear flow, 24:15370
  - New source of highly stripped heavy ions, 22:18065
  - New source of highly stripped heavy ions, 22:35167 (AD-665866)
  - Plasma radiation shielding, 21:23236 (N-66-19708)
  - Stripping of heavy elements in the ERA, 22:46616 (UCRL-18103, pp 318-21)
  - Two new results in cylindrical diocotron theory, 22:24366
- LEVY, R. L. Organic analysis of the Pueblito de Allende meteorite, 24:46824
- LEVY, Richard H. Ion sources for highly charged heavy ions, 23:28129
  - Plasma radiation shield: concept and applications to space vehicles, 22:26442
  - Prospects and present status of HIPAC, 22:46579 (UCRL-18103, pp 3-4)
  - Status and prospects for plasma radiation shielding, 21:37518
- LEVY, Robert Edward Response mode analysis and control of multivariable chemical processes: application to distillation, 21:30403 (UCRL-17480)
- LEVY, S. Containment design in nuclear power plants, 22:18440
  - Design basis for critical heat flux condition in boiling water reactors, 21:17436 (APED-5286)
  - Effluent control from boiling-water reactors, 24:45910 (CONF-700810-23)
  - Forced convection subcooled boiling: prediction of vapor volumetric fraction, 21:34400
- LEVY, Samuel C. Statistical analysis of a test for determining the state-of-charge of zinc—mercuric oxide primary batteries, 24:41138 (SC-RR-70-333)
  - Test for determining the state-of-charge of zinc—mercuric oxide primary batteries, 24:41137 (SC-RR-70-332)
- LEVY, Saul G. Frequency of spectroscopic binaries among high-velocity dwarf stars, 23:51208
  - Frequency of spectroscopic binaries in NGC 6475, 24:19578
  - Spectra of cepheid HR 8157, 24:27918
  - Spectroscopic binary 66 Andromedae, 23:39140
- LEVY, Therese Flow of a viscous and conducting fluid around a spherical shell, 24:23850
  - Perturbation of Stokes flow past a hollow sphere in magnetohydrodynamics, 25:2946
  - Slow flow of a viscous and conducting fluid around a spherical shell in the presence of a magnetic field, 22:29328
  - Slow flow of a viscous fluid around a hollow sphere in the presence of a magnetic field, 22:17458
  - Steady magnetodynamic flow around a nonconducting wedge in the case of a crossed field, 23:25188
- LEVY, V. Contribution to the study of the growth of bubbles formed in metals under irradiation, 22:28876
  - Fast neutron irradiation of Al, Mg, and Cu, 25:58310
  - Process for the preparation of a radioactive source, 23:21901
  - Study of the hardening mechanisms by gas bubbles in metals, 22:11008
- LEVY, Viviane Precipitation of helium in an aluminum—lithium alloy, 22:715 (UCRL-Trans-10135)
  - Process for the preparation of a radioactive source, 21:15966
- LEVY II, H. Born wave calculation of atom—atom inelastic cross sections, 23:46262
  - Born wave cross section calculations for excitation of He(1^1S) to He(N^1L), 25:9204
  - Born wave cross-section calculations for collisional quenching of metastable H(2s), 25:30283
  - Impact-parameter calculation of hydrogen—hydrogen double-excitation collisions, 23:41954
  - Single and double excitations in hydrogen—hydrogen collisions, 24:17677
- LEVY II, Hiram Born-wave claculation of atom—atom inelastic cross sections, 24:3189
  - Impact ionization in the proton—H-atom system. II, 23:20708
  - Impact ionization in the proton—H-atom system. III, 23:20709
  - Impact ionization in the proton—H-atom system. I, 23:20707
  - Impact ionization in the proton—H-atom system. IV, 25:52632
  - Multistate impact-parameter calculation of atom—atom excitation cross sections, 24:3190
  - Multistate impact-parameter calculation of atom—atom excitation cross sections, 24:21581
- LEVY-KOENIG, R. E. Immunology of interferons. I, 24:36718
  - Immunology of interferons. II, 24:36717
- LEVY-LEBLOND, J. M. Critical scattering of electrons by polar molecules, 22:13214
  - Generalized uncertainty relations for many-fermion systems, 22:29602
  - Nonexistence of the ion H^{2-}, 25:40366
- LEVY-LEBLOND, J.-M. Regge poles and/or group theory, 21:2533
  - Stability of zero-mass particles, 25:27979
- LEVY-LEBLOND, Jean-Marc Electron capture by polar molecules, 21:14974
  - Galilean quantum field theories and a ghostless Lee model, 21:17167
  - Global and democratic methods for classifying N-particle states, 21:17063
  - Gravitational paradox, 21:9689
  - Minimal electromagnetic coupling as a consequence of Lorentz invariance, 24:33033
  - Nonsaturation of gravitational forces, 23:30819
  - Possible kinematics, 23:1609
  - Quantum mechanics of gravitational forces and stability of matter, 25:22337
  - Relativistic systems of particles in gravitational interaction, 24:37910
- LEVY-MANDEL, R. Application of pulsed superconducting magnets to synchrotrons, 25:3511
  - New injector for the Saturne synchrotron, 21:29720
  - Proton synchrotron of 23 to 45 GeV, 22:32240 (CEAL-2000, pp 14-17)
- LEVY-NAHAS, M. Deformations of the Poincare group, 23:46751
- LEVY-NAHAS, Monique Deformation and contraction of Lie algebras, 21:44398
  - First order deformations of Lie algebra, 22:48341
  - Lorentz basis of Poincare group, 22:48339
  - "Lorentz-basis" of Poincare group, 21:37868 (NP-16860)
- LEW, Art Approximation techniques in discrete dynamic programming. I, 25:10396 (TID-25624)
  - Approximation techniques in discrete dynamic programming. II, 25:10397 (TID-25625)
  - Reduction of dimensionality by approximation techniques: diffusion processes. I, 25:10418 (USCEE-350)
- LEW, J. S. Low-energy scattering by long-range singular potentials, 22:35140
- LEW, John S. Uniformly valid asymptotic approximation for the quantized anharmonic oscillator at high energies, 23:16904
- LEW, M. S. Ion exchange, extraction, separation, and determination of ^{237}Np in $_{23}$Pu, 24:2140
- LEW, Marion S. Determination of ^{241}Am in pure Pu using extraction with trioctylphosphine oxide and gamma counting, 21:34279
- LEW, Stephen K. Dynamic response of thermosphere, 23:48831
- LEWAK, G. J. Higher order resonances in a magnetoplasma, 23:44289
  - Higher-order resonances in a plasma, 24:19929
  - Interaction of electrostatic waves in collisionless plasmas, 25:27812
  - More-uniform perturbation theory of the Vlasov equation, 24:3368
  - Parametric excitation of a plasma, 25:17231
  - Penetration to second order of an electrostatic field into a warm plasma, 25:27707
  - Propagation of a pulse current disturbance in a two-fluid plasma, 23:12906

  Semi-Lagrangian formulation of Vlasov equation, 25:11897
LEWAK, George J. Ion velocity distributions in a partially ionized plasma, 22:24306
  Subsidiary resonances in the ionosphere, 22:52635
LEWALL, David B. A method for the elimination of magnification in roentgenograms for scintiscan superimposition, 23:26836
LEWANDOWSKI, B. Prototype of the induction-coupled plasma torch, 21:13142 (INR-738/XVIII/PP)
  Spectroscopic measurements of temperature in induction plasma torch, 22:44084 (INR-906)
LEWANDOWSKI, E. Signal transmission line, 24:11877
LEWANDOWSKI, S. J. Doubly pumped ruby maser with a superconducting magnet, 24:49082
LEWANDOWSKI, U. Quadrupole moment of 2.3-MeV level in ^{120}Sn, 24:22184
LEWANDOWSKI, Z. Interaction of 14.7-MeV neutrons with ^{235}U and ^{232}Th, 23:19299
LEWCZUK, Jacek Application of the tracer method in investigations of evaporation phenomena in power boilers, 25:57674
LEWELLEN, J. W. Pathfinder boiler core and full core critical experiments, 21:1152 (ACNP-65599)
  Shielding and radiation survey measurements, 21:31892 (ACNP-67520)
  Some thoughts on AEC funded coding, 23:40430 (CONF-690401-, pp 119-29)
  Work of the Committee on Computer Code Coordination, 25:57018 (CONF-710302-(Vol.1), pp 452-63)
LEWELLEN, W. S. Prog. rpt. on fluid dynamics of gaseous nuclear rockets, 6/68, 23:2085 (N-68-28813)
  Prog. rpt. on fluid dynamics of gaseous nuclear rockets, 7—9/68, 23:23986 (N-68-36412)
LEWEY, E. P. Analogous actinide(III) and lanthanide(III) tetrad effects, 24:14013
LEWEY, S. Extraction of selected metallic cations by highly hindered (GO)$_2$PO(OH) extractant in two different diluents from aqueous chloride phase, 25:34706
  Tetrad effect in the liquid—liquid extraction ordering of lanthanides(III), 23:35284
LEWIN, D. R. Fission product and heavy isotope content of civil AGR fuel, 23:23911 (JNPC/SWP/N-40 and (Amend.1))
LEWIN, G. Gas flow in vacuum systems with local temperature variations, 22:33628
  Outgassing of thick stainless-steel sheets in ultrahigh vacuum, 23:38236
  Scaling laws for experimental determination of pumpdown time in the molecular flow range, 22:33627
LEWIN, I. Effect of magnesium on radiostrontium excretion in man, 21:32571
LEWIN, Isaac Effect of aluminum phosphate gel on radiostrontium absorption in man, 24:9740
  Effect of stable strontium on radiostrontium excretion in man, 22:451
  Influence of dietary and hormonal factors on radiostrontium metabolism in man, 21:45579
  Inhibition of radiostrontium absorption in man, 22:6845
  Inhibition of radiostrontium absorption by aluminum phosphate gel in man and its comparative effect on radiocalcium absorption, 23:33597
  Radiostrontium absorption in man, 22:526
  Skeletal system, 24:50268 (COO-1231-55)
LEWIN, J. Bibliography on Soviet radiation shielding work, 22:50806 (ORNL-RSIC-23)
  Large scintillation detector for neutron time-of-flight measurements, 24:5900
  TSR-II heat transfer, 21:42816 (ORNL-TM-1779)
LEWIN, J. D. Recent work on superconducting synchrotrons, 23:28103
  Superconducting energy transfer systems, 25:3513
  Superconducting proton synchrotrons, 21:29691
LEWIN, Joseph TSF-SNAP reactor safety analysis, 24:5549 (ORNL-4058(Rev.))
LEWIN, K. Dispersion sum rules for deuteron disintegration processes in pole approximation, 21:23316 (JINR-E2-3205)
  Sum rules for deuteron Compton scattering, 22:5543
  Test of cross section sum rules for nucleon magnetic moments, 22:37101
  Theory of the neutron—proton capture, 21:42396
LEWIN, Ralph A. Photoreactivation of uv-irradiated blue—green algal virus LPP-1, 21:41362
LEWIN, S. Some aspects of effect of D$_2$O substitution for H$_2$O on helical stability of yeast transfer ribonucleic acid, 25:46682
  Some aspects of phenylalanine incorporation in D$_2$O substitution for H$_2$O in polyuridylic acid-directed ribosomal protein biosynthesis, 24:27512
LEWIN, W. H. G. Allowed K-capture to positron emission ratios in decays of ^{48}V and ^{52}Mn, 21:42597
  Balloon observations of high-energy x-ray sources in the region of the galactic centre, 23:48662
  Decrease in high-energy x-ray flux from Cen XR-2, 24:19626
  Finite solid angle correction factors in directional correlation measurements with beta-ray spectrometers, 22:19140
  High energy x-ray study of M-87, 23:36345
  High-energy x rays from Cen XR-2, 22:49970
  Observation of an x-ray flare from Sco X-1, 22:29121
  Observation of Cen X2, 22:29120
  Search for x rays from the Large and Small Magellanic Clouds, 23:1138
  Sky survey of high-energy cosmic x rays, 22:13163
  Spectral data on Sco X-1 in energy range from 20 to 100 keV, 22:11127
LEWIN, Walter H. G. Continual variations in high-energy flux of x rays from Scorpius X-1, 25:7004
  Detection of high-energy x-ray flare from source in Crux, 25:35691
  Escape corrections for x-ray spectra of celestial sources, 21:11469
  Rapid fluctuations in high-energy x-ray flux from source in Crux, 25:35692
  X rays from new variable source: GX 1 + 4, 25:55720
LEWINS, Jeffery Calculation of neutron lifetimes, 24:33106
  Energy optimal xenon shutdown, 21:1193
  Energy optimal xenon shutdown, 22:14308
  Importance: the adjoint function, 24:13266
  Optimal system operation with state restrictions, 21:25650
  Optimum nuclear reactor control theory, 22:20946
LEWIS, A. Coupling CAMAC to computers, 24:33958 (AERE-R-6407)
  Improvements in or relating to video-signal digitisers, 23:7912
  Magnetic tape transport for digital data logging, 23:26600 (AERE-R-5862)
  Small computer used as a multi-channel analyser, 23:2688 (AERE-R-5844)
LEWIS, A. B. Prog. rpt. on effects of neutron irradiation on resistivity of binary alloys, 6/12/67, 21:32935 (ORO-2891-6)
LEWIS, A. E. Aids for estimating effects of underground nuclear explosions, 25:6447 (UCRL-50929)
  Chemical mining of primary copper ores by use of nuclear technology, 24:16729 (UCRL-72159)
  Nuclear chimneys: underground containers for chemical and metallurgical processing, 25:57604 (UCRL-73130)
LEWIS, A. R. Automatic apparatus for α—γ angular correlation measurements, 21:16192
LEWIS, Albert High-strength, high-modulus glass fibers, 21:36917
LEWIS, Anne J. Grain disinfestation with gamma rays, 23:35964
LEWIS, Arthur E. Use of a deep nuclear chimney for the in-situ incorporation of nuclear fuel-reprocessing waste in molten silicate rock, 25:44570 (UCRL-51044)
LEWIS, B. Computer program for evaluating the performance of focussed collimators, 24:33908
LEWIS, B. M. Anomalous redshift reviewed, 25:24834
  Neutral hydrogen observations of NGC 5236, 23:34240
  Two double galaxy systems, 24:19674
LEWIS, B. S. Manual of procedures for effecting control of SS materials at station JWB, 21:47011 (IN-1116)
  Manual of procedures for effecting control of SS materials at station JWA, 22:2322 (IN-1119)
  Manual of procedures for effecting control of SS materials at station JWC, 22:19086 (IN-1150)
LEWIS, Barbara Ann Effects of gamma radiation on behavior maintained by intracranial stimulation and food, 25:21856
LEWIS, Bennett W. Economic relations between fast and heavy water power reactors, 24:29024 (AECL-3066)
LEWIS, C. F. Mutation of gene for naked seed in cotton, 23:33684
LEWIS, C. R. Electrodeposition of nickel from heavy water, 24:50384
LEWIS, C. W. Angular correlation studies in ^{46}Ti, 22:9821
  Angular correlation studies in ^{50}Cr, 22:27035
  Calibration technique for energy-defining transport magnets, 25:7786
  Excited states of ^{51}Cr, 23:3993
  Measurement of neutron energy spectra, 24:36602
  Neutron spectra from the 38.8-MeV alpha-particle bombardment of deuterium, 25:25632
  Retention of ^{51}Cr, ^{59}Fe, ^{60}Co, ^{65}Zn, ^{85}Sr, ^{95}Nb, /sup 114m/In, and ^{131}I by the Atlantic croaker (Micropogon undulatus), 24:17014
  Test of Z^2 dependence of x-ray emission induced by α particles and deuterons, 25:16762
  X-ray emission induced alpha particles, 25:12488
LEWIS, Christopher Decoupling and multivariable control of a coupled-core reactor, 23:37737
LEWIS, Clyde L. Spectrochemical analysis of the platinum metals, 24:7409
LEWIS, Curtis W. Transfer of ^{65}Zn and ^{51}Cr through an estuarine food chain, 23:17899 (CONF-670503-, pp 420-30)
LEWIS, D. Bond strength in diborides of some group IV and V metals, 22:49840
  Lattice strain in tungsten carbide, 23:3157
  Plastic deformation in hafnium carbide, 25:6903
  Strain in metal carbides, 21:45963
  X-rays, 25:35057
LEWIS, D. J. Long-term thermal creep effects in pressure vessels, 23:11214
  Non-elastic stresses in composite plates under transient thermal conditions, 22:28799
  Operational stresses in nuclear prestressed concrete pressure vessels. II, 22:40336
  Operational stresses in nuclear prestressed concrete pressure vessels. I, 22:40335
LEWIS, D. L. Electron and neutron damage in MgF$_2$ crystals, 23:25454
LEWIS, D. M. Low strain rate tensile properties of Zircaloy-4, 23:34039
LEWIS, D. R. Exoelectron-emission phenomena and geological applications, 21:183
LEWIS, D. S. Operational staffing and training problems for the startup of N reactor, 21:35768
LEWIS, D. T. Baryon and meson octets, the K^0 meson dilemma and the bach, 23:21138
  Beta emission and the bach, 22:48612
  Binding energies and the bach, 22:48448
  Determination of As by the uranyl salt method. II, 21:21878
  Disintegration energies of the actinides and related heavy elements, 21:40460 (AWRE-O-39/59)
  Mass—energy relationships of the actinide elements, 21:40459 (AWRE-O-35/59)
  Natural constants and the bach theory, 22:52954
  Relationships between the masses of subatomic particles, 22:5525
  Relationships between the masses of subatomic particles, 22:7455
  Relationships between the masses of subatomic particles, 22:9528
  Stability and strangeness of subnuclear particles, 24:51998
  Tamaid—Bach theory of subnuclear particle structure, 22:34888
  The long-lived hadrons, 24:3623
  Ultimate particles of matter, 23:34550
LEWIS, David Isotope exchange rates. V, 22:47128
  Isotope exchange rates. VI, 22:48856
LEWIS, David Kenneth Kinetics of isotope exchange reactions $D_2 + CH_4 \rightarrow HD + CH_3D$, $D_2 + H_2S \rightarrow HD + HDS$ and $HD + HD \rightarrow H_2 + D_2$, 25:12987
LEWIS, Derek Electrochemical thermodynamics and equilibrium diagrams for aqueous and simple molten salt systems, 25:49538
LEWIS, E. Solution of MHD problem using numerical method devised by Raetz, 23:12625
LEWIS, E. E. An asmptotic P$_3$ theory, 23:4413
  Approximate Monte Carlo treatment of resonance absorption in reactor lattices, 25:41606
  Boltzmann integral equation treatment of neutron resonance absorption in reactor lattices, 22:12147
  Comparison of P$_1$ vacuum boundary conditions, 25:40848
  Comparison of two exact transport theory methods, 24:6814
  Extension of the path-length formalism to anisotropic charged-particle sources, 21:24914
  Finite element treatment of neutron diffusion, 25:41165
  Polynomial approximation for integral transport calculations, 23:25764
  Polynomial flux approximations in integral transport theory, 22:6154
  Transient heat conduction model for reactor fuel elements, 25:28662
LEWIS, E. R. Compton scattering by bound electrons, 24:26361
LEWIS, E. S. Hydrogen isotope effect in the reaction of trityl radicals with thiophenol, 25:54570
LEWIS, Edward B. Mutational analysis of development in Drosophila melanogaster, 24:50266 (CALT-767-P-5-3)
LEWIS, Edward S. Influence of tunneling on relation between tritium and deuterium isotope effects, 22:40070
  Isotope effects in oxidation of leuco triphenylmethane dyes, 24:16542
  Isotope effects in the bromination of 2-benzoylbutane, 23:17426
  Ordering of carbon—hydrogen bond strengths using isotope effects, 25:57426
  Rates and isotope effects in the proton transfers from 2-nitropropane to pyridine bases, 21:23874
  Reaction of p-phenylenebisdiazonium ion with alcohols, 25:41806
LEWIS, Edwin A. S. Heat capacity of gadolinium near the Curie point, 24:37566
LEWIS, Edwin Augustus Stevens Heat capacity of Gd near the Curie point, 25:5220
LEWIS, Edwin R. Compton scattering by bound electrons, 22:36701 (AD-663424)
  Decay of ^{109}Cd, 22:9892
LEWIS, Emanuel Nuclear reactor neutron detection and measurement devices, 23:38246 (KAPL-M-6961)
LEWIS, F. A. Palladium—hydrogen system, 21:34286
LEWIS, F. H. Pressure and temperature gradients in transfer molding of electronic assemblies, 25:23425 (BDX-613-333)
LEWIS, F. H. Jr. Excitation of 19-MeV level in ^{12}C by inelastic electron scattering, 21:13803 (AD-639800)
  Excitation of a 19-MeV level in ^{12}C by inelastic electron scattering, 21:23439
  New theoretical approach to nuclear heavy-ion scattering, 24:52726
LEWIS, Frederick D. Mechanistic photochemistry of γ-hydroxy-γ-phenylbutyrophenone. The nature of the 1,4-biradical intermediate, 24:46235
LEWIS, G. M. Electron capture decay of ^{40}K, 21:27549
  Total photon—proton cross section for hadron production, 25:25376
LEWIS, G. T. Jr. Cooling systems for particle accelerators, 21:40332
LEWIS, Gary B. Bikini—Eniwetok studies, 1964, 23:9944 (UWFL-93(Pt.2))
LEWIS, George Kenneth High pressure Moessbauer studies of electronic states of iron compound, 22:41643 (COO-1198-551)
LEWIS, H. D. Porosimetry data interpretation, 22:36535 (LA-3938)
  Theoretical small-particle statistics, 23:6048 (LA-3656)
LEWIS, H. P. Cerebrospinal fluid space, 23:22323
LEWIS, H. R. Jr. Class of exact invariants for classical and quantum time-dependent harmonic oscillators, 23:19093
  Classical and quantum systems with time-dependent harmonic-oscillator-type Hamiltonians, 21:21112
  General purpose computer code for particle trajectories and other problems, 22:50488 (LA-3903)
  Motion of a time-dependent harmonic oscillator, and of a charged particle in a class of time-dependent, axially symmetric electromagnetic fields, 22:46365
  Quantum theory in a time-dependent electromagnetic field, 23:46813
LEWIS, H. Ralph Application of Hamilton's principle to numerical analysis of Vlasov plasmas, 24:49162
  Energy-conserving numerical approximations for Vlasov plasmas, 24:47257
  Hamilton's principle and numerical solution of Vlasov equations, 22:50147 (LA-3803)
  Numerical investigation of two-stream instability via Hamilton's principle, 23:1492 (LA-3990, pp B1.1-4)
  Subroutines for computing and graphing level lines of functions of two variables, 22:37629 (LA-3877)
  Use of collineations for interpolation on an irregular mesh, 23:11379 (LA-3983)
LEWIS, J. Channel analyzer (4096), 23:22135
  Metal—β-diketone complexes. III, 21:3044

- LEWIS, J. B. Aneroid bomb calorimeter for measuring heat of combustion of irradiated nuclear graphite, 21:8636 (AERE-R-4060)
  - Effect of moisture on the inhibitory action of phosphorus oxychloride on the air oxidation of graphite, 22:779 (AERE-R-5552)
  - Fluidization, 22:243
- LEWIS, J. C. Reorientation effects in vitreous carbon and pyrolytic graphite, 21:28854
- LEWIS, J. D. Radiation response of HeLa cells exposed at very low temperatures, 24:6056
- LEWIS, J. E. Heavy holes and superconductivity in GeTe and SnTe, 25:11847
  - System UO$_2$—Eu$_2$O$_3$ at high temperatures, 21:24850
- LEWIS, J. F. On-line computer controlled automatic sample changer for use with a total gamma absorption tank, 21:8650
  - Vacuum system for high-radiation environment at RPI Linac Laboratory, 23:5725 (RPI-328-141(Rev.))
  - Vacuum system for high-radiation environment at the RPI linac lab, 23:34696
- LEWIS, J. H. Effects of reactor radiation on mixed 5P4E used as a lubricant in a high-speed, high-temperature bearing-rig, 22:8849
  - Physical properties of two O-ring compounds after exposure to reactor radiation, 21:18361
  - Test of MoS$_2$ lubricants in radiation and vacuum environments, 23:41753
- LEWIS, J. P. Biochemical studies of spleens of heavily irradiated mice transfused with bone marrow, 22:19251
  - Effect of controlled-rate cooling on marrow viability, 21:8725
  - Effect of erythropoietin on transplanted hematopoietic tissue, 22:40924
- LEWIS, J. T. Operational approach to quantum probability, 24:42850
- LEWIS, Jerry P. Effect of cooling on transplantation potential of marrow, 21:43456
  - Prog. rpt. on hematopoietic repopulation following irradiation injury, annual, 9/69—5/70, 24:39556 (UCD-34-P-187-1)
  - Stem cell renewal in frozen marrow, 23:50388
  - Transplantation efficiency of marrow cooled to -100 deg C, 21:26652
- LEWIS, John Peter Leonard Device for electrically indicating the position of a remote mechanism, 22:19026
  - Device for indicating the position of a remote electrically operated mechanism, 22:12502
- LEWIS, John S. Composition and structure of the clouds of Venus, 22:29039
  - Isotopic composition of S and sulfate, 23:22708
  - Therapy of recurrent cancer of nasopharynx, 22:49430
- LEWIS, Jordan D. Collisions in ionized gases, 21:9556 (AD-642161)
  - Expansion theorem for linearized Fokker—Planck equation, 21:33450
- LEWIS, Jordan David Collisions in ionized gases, 22:1247
- LEWIS, Joseph Thomas Electron paramagnetic resonance and optical absorption studies of color centers and impurity ions in KMgF$_3$ and MgF$_2$, 25:44297 (TID-25746)
- LEWIS, K. H. Radionuclides in milk, 21:12849
- LEWIS, Keith H. Need for standard methods in environmental health programs, 22:28478
- LEWIS, L. ALSEP-SNAP-27 application, 25:48747
  - Multiplexing digitized beam information for accelerator users and operators, 23:28154
- LEWIS, L. C. Chemical development for EBR-II fuel process, 1967—69, 24:31440 (IN-1285)
  - Electrolytic behavior of nuclear fuel cladding alloys, 25:16438 (IN-1295)
  - Evaluation of adsorbents for purification of noble gases in dissolver off-gas, 24:44066 (IN-1402)
  - Physical properties of nitrate solutions of EBR-II fuel elements, 22:48896 (IN-1192)
- LEWIS, L. D. High-altitude nuclear detection studies. II, 25:41933 (AD-719620)
- LEWIS, L. G. Argonne ZGS monitor and control computer system, 21:29723
  - Capabilities and uses of a graphic display system as an interface between ZGS computer and human operator, 23:28136
- LEWIS, L. J. Multiple excitation of neon by photon and electron impact, 24:15163
- LEWIS, L. L. Atomic absorption spectrometry: applications and problems, 23:56
  - Radiation effects in the Soricidae, Cricetidae, and Muridae, 21:41476 (ORNL-P-3212)
- LEWIS, Lloyd G. Structure and use of a computer control system, 25:50360
  - Torsional strain and vibration monitor for motor-generator shaft of Zero Gradient Synchrotron (ZGS), 25:50375
  - Voltage gradient measurements in Argonne injector linac under beam loaded and transient conditions, 22:32275 (CEAL-2000, pp 261-9)
- LEWIS, M. Operating experience with in-line water analyzers at N-reactor, 21:35766 (RL-SA-76)
- LEWIS, M. B. Boltzmann and Fokker—Planck equations, 24:15332
  - Collective core excitation in low-lying levels of ^{39}K, 22:35252
  - Evidence from 62 MeV proton scattering for extending weak coupling model in ^{209}Bi, 25:39032
  - Fluctuations in an equilibrium gas, 25:47543
  - Investigation of ^{44}Sc, 24:24538
  - Investigation of configurations in ^{44}Sc by direct ^{46}Ti(d,α)^{44}Sc reaction, 24:1801
  - Investigation of neutron—proton hole states in ^{204}Tl by the reaction ^{206}Pb(d,α)^{204}Tl, 23:11016
  - Investigation of the ^{207}Pb(α,d)^{209}Bi reaction, 25:46029
  - Kinetic equation with electromagnetic interactions, 21:27188
  - Low levels of ^{27}Si, 22:3669
  - Nuclear data sheets for A = 208, 25:28375
  - Nuclear data sheets for A = 210, 25:39017
  - Nuclear-structure studies of low-lying levels of ^{39}Ca, 22:26955
  - Properties of Fokker—Planck equation, 22:24309
  - Reaction ^{206}Pb(d,α)^{204}Tl and structure of ^{204}Tl, 24:38247
- LEWIS, M. G. Autoimmunization with irradiated tumor cells, 24:48450
- LEWIS, M. H. Dislocation mechanisms for nucleation of transformations in vanadium carbide, 25:52462
- LEWIS, M. M. Public health aspects of ionizing radiations, 24:703
- LEWIS, M. N. Second-order Z-expansion theory of atomic energies, 24:32674
- LEWIS, Michaelis J. Effect of gamma irradiation on malting barley, 21:32817
- LEWIS, Montague B. Angular correlation study of low levels of ^{27}Si, 23:1856
- LEWIS, Myron R. Radiative lifetimes of excited electronic states in ionic species of nitrogen, 22:5081
- LEWIS, N. F. Radio-resistant coccus isolated from Bombay duck, 25:47065
  - Spoilage units of radurized Bombay duck (Harpodon nehereus), 25:52287
- LEWIS, P. Reliability factors affecting power plant mechanical equipment, 25:28549 (AECL-3670, pp 45-55)
- LEWIS, P. B. Nonlinear perturbations and electron scattering in a beam plasma, 25:27703
- LEWIS, P. D. Radiosensitivity of the subependymal cell layer of the adult rat brain, 22:40861
- LEWIS, P. H. K$^+$p elastic scattering (2.1 to 2.7 GeV/c, 24:5252
- LEWIS, Paul Spurgeon Jr. Elastic and inelastic scattering of 28-MeV protons from iron, cobalt, nickel, and zinc, 25:3599
- LEWIS, R. Apparatus for measuring photoproduction reactions in GeV range with on-line data analysis facilities, 22:367
  - Measurements of π^0 photoproduction cross sections for incident gamma-ray energies of 2.0 to 5.0 GeV, 21:27295
  - Safety of operations in Dragon Fuel Element Laboratory during 1965, 25:24620 (DP-Report-441)
- LEWIS, R. A. Analysis of small-sample Doppler-effect measurements, 21:38684
  - Argonne National Laboratory critical experiment program, 24:22455
  - Argonne variable-temperature rodded-zone facility, 24:7173
  - Doppler coefficient temperature dependence and the effect of sodium voiding, 21:38730
  - Fissile Doppler effect measurement data and techniques, 23:5782
  - Forward peak in π^+ photoproduction, 22:13632 (DESY-67/35)
  - Forward peak in π^+-photoproduction, 22:7426
  - LMFBR demonstration reactor benchmark critical experiments program, 25:41515
  - Measurements of single π^- and π^+ photoproduction at small momentum transfers, 22:34827 (DESY-68/22)
  - Measurements of single π^- and π^+ photoproduction at small momentum transfers, 22:39237
  - Photoproduction cross sections for π^+ and K$^+$ mesons at 3.4 to 4.0 GeV and their comparison with SU(3), 21:29423
  - Photoproduction of π^0 in the backward direction, 22:11571
  - Photoproduction of π^0 in the backward direction, 22:13633 (DESY-67/36)
  - Pi$^+$ production with linearly polarized photons, 23:25495
  - Pion production with polarized photons and test of vector dominance model, 22:52964 (DESY-68/44)
  - Pion production with polarized photons and test of vector dominance model, 23:5514
  - π^+ production with linearly polarized photons, 23:25492 (DESY-69/5)
  - Sensitivity of small-sample Doppler effect measurements to environment, 22:33039
  - Uranium doppler measurements in oxide core critical assemblies, 24:7218
  - Verification of Doppler measurements in zoned fast critical assemblies, 21:38685
  - ZPR-6 Doppler measurements and comparisons with theory, 21:35678 (ANL-7320, pp 319-33)
- LEWIS, R. C. Calculation of reaction rates in small physical regions, 23:21558 (AI-AEC-12774)
  - Discrete ordinates representations of the scattering kernel, 22:9762 (NAA-SR-12493)
  - Discrete ordinates representations of the scattering kernel, 23:47306 (CNM-R-2(Vol.2), pp 1086-98)
  - HWOCR—SAFE: Monte Carlo reactor analysis code, 23:45059 (AI-CE-Memo-69)
  - Monte Carlo eigenvalue calculations of fast critical assemblies, 24:33418
- LEWIS, R. D. Improved strain of oats developed from Alamo by irradiation with x rays, 21:20432
- LEWIS, R. E. Development of new radionuclide preparations for medical and biological research, 23:2336
  - Effect of chronic corticoid dosing on Ca in beagles, 24:19336
  - ISOSEARCH: computer program for calculating unknown variables in reaction and decay schemes, 21:8526 (ORNL-3905)
  - Preparation of ^{33}P by irradiation of enriched ^{33}S in highly thermalized flux, 21:8329 (ORNL-4051)
  - Reactor production and characterization of ^{109}Cd, 22:28017 (ORNL-4247)
- LEWIS, R. H. All-solid in-core power monitors for LMBFR service, 22:14128 (ANL-7380, pp 140-5)
  - Integrated reactor protective system, 25:6045
- LEWIS, R. M. Asymptotic theory of Cherenkov radiation, 21:7391
  - Asymptotic theory of Cherenkov radiation in inhomogeneous media, 22:34901
- LEWIS, R. N. Transformer coupling for the continuous channel electron multiplier, 22:45372
- LEWIS, R. R. New method of angular correlation measurements, 24:4458
  - Role of perturbed angular correlations in symmetry tests, 22:3761
- LEWIS, R. R. Jr. Observation of parity admixtures with perturbed angular correlations, 22:32663
  - Perturbing effect of two rotating fields on angular correlations, 24:24179
- LEWIS, R. S. Isotopic analysis of rare gases from stepwise heating of lunar fines and rocks, 24:21532
  - Plutonium-244: confirmation as an extinct radioactivity, 25:35594
  - Some specific rare gas studies in apollo samples, 25:16737 (UCB-34-P-32-0-3)
- LEWIS, R. T. Morphology of rhenium metal dispersed on high area oxides, 24:32929
  - Nuclear relaxation rates in single-domain cobalt, 22:17761
- LEWIS, Richard A. Effective resonance integrals in heterogeneous media containing absorber in form of particles, 22:3903 (TID-24121)
- LEWIS, Richard B. Paramagnetic resonance transmission in gadolinium, 21:840
- LEWIS, Richard C. GRAMS: FORTRAN program to solve gamma ray penetration problems in multislab shields, 21:35209 (NAA-SR-12337(Vol.1))
- LEWIS, Robert Alec Improvements in or relating to reactivity control of nuclear reactors, 22:20973
  - Nuclear reactor fuel assemblies, 25:37025
  - Nuclear reactors, 23:2144
- LEWIS, Robert N. Temperature control of metallic targets in vacuo by electron beam and infrared radiometry techniques, 23:23591
- LEWIS, Royston C. Cesium-131 photoscan in diagnosis of myocardial infarction, 22:31138
- LEWIS, S. A. Experiments on the 2^{3}P state of helium. II. Measurements of the Zeeman effect, 24:37204
  - FORTRAN nuclidic-mass table with self-modification feature, 25:5735
  - Precise measurement of 2^{3}P$_0$—2^{3}P$_1$ fine-structure interval of He, 25:43122
- LEWIS, S. M. Labeling of red blood cells with ^{81}Rb for spleen scans, 23:9992
  - Measurement of splenic red-blood-cell mass with radioactive carbon monoxide, 22:25906
  - Red-cell uptake in spleen using ^{81}Rb- and ^{51}Cr-labeled red cells, 23:9993
- LEWIS, S. R. Basal and squamous cell carcinoma of the face, 21:12980
  - Gamma-spectrometry in marine radioactivity studies, 25:34935
- LEWIS, Stephen J. Environmental research satellite-18 data reduction and analysis. I, 23:26506 (AD-678920)
- LEWIS, T. Gamma rays from Coulomb excitation of ^{151}Eu and ^{153}Eu, 25:17892
- LEWIS, T. A. Beam current monitor for Oak Ridge Electron Linear Accelerator, 25:50509
  - Performance of 140-MeV high current short pulse linac at ORNL, 23:28009
- LEWIS, T. G. Ultra precision machine tool elements and machining processes, 23:2465 (Y-1611)
- LEWIS, T. J. Association of phase changes of ionosphere-propagating radio waves and geomagnetic variations, 21:23087
  - Variations in Townsend first ionization coefficient for gases, 21:2023
- LEWIS, Trevor James Coulomb excitation of ^{151}Eu and ^{153}Eu, 25:3703
- LEWIS, Trousdale A. Totalizing memory for multichannel analyzers with increased capacity, 24:48345
- LEWIS, V. E. Alpha-particle thickness gauge, 23:710
  - Analysis of inelastic scattering of 50-MeV protons, 22:48497
  - Beta decay of tritium, 24:49699
  - Differential cross sections (p,p), (p,p') of ^{64}Zn, ^{66}Zn, ^{68}Zn, and ^{70}Zn for 49.08-MeV protons, 22:27027
  - Elastic and inelastic scattering of 49.5 MeV protons by ^{24}Mg, 22:3676
  - Elastic and inelastic scattering of 50 MeV protons by ^{64}Zn, ^{66}Zn, ^{68}Zn, and ^{70}Zn, 22:5800
  - Elastic scattering and polarization of 49.5-MeV protons on ^{144}Sm, 25:15013
  - Polarization and asymmetry in elastic and inelastic scattering of 50-MeV protons by ^{24}Mg, ^{64}Zn, and ^{68}Zn, 21:42587
  - Symmetry term in proton optical model potential at 50 MeV, 22:27361
- LEWIS, W. B. Achievements and prospects of heavy water reactors, 22:1804
  - CANDU reactors in 1980, 23:13423
  - Coupled reactors, 23:4178
  - Diffusion phenomena in slabs of finite thickness, 21:21661
  - DM-92 preliminary comparison of ion drag accelerator proposals. Appendix A, 22:46598 (UCRL-18103, pp 195-206a)
  - Engineering problems associated with the intense neutron generator, 22:20389
  - Infinite arrays in diffusive media, 23:19575 (CONF-680909-, pp 84-91)
  - Intense neutron generator and future factory type ion accelerators, 23:7199 (AECL-3190)
  - Intense neutron generator, 21:7583 (AECL-2818)
  - Outlook for heavy water reactors, 22:3812 (AECL-2947)
  - Outlook for heavy-water reactors, 22:30254
  - Separated orbit cyclotron in study for intense neutron generator at Chalk River, 22:41897 (RHEL/M-124, pp 145-65)
- LEWIS, W. Bennett Canada's planned advanced reactor concepts, 22:16212
  - Canadian operating experience with heavy water power reactors, 24:47706 (AECL-3569)
  - Canadian operating experience with heavy-water power reactors, 25:18073

  Economic heavy water power reactors, 23:13435
  Experience with heavy-water-moderated power reactors, 24:18567
  Future factory type accelerators, 23:19065 (BNL-50120(Pt.2), pp 600-5)
  Future of heavy-water reactors, 23:37443 (AECL-3369)
  Immediate relation of ING to fast breeder reactor programs, 23:21447 (AECL-3251)
  ING: a vehicle to new frontiers, 22:39521
  Large-scale nuclear energy from the thorium cycle, 25:54125 (A/CONF.49/P-157)
  Look to the future, 22:42154 (AECL-3067, pp 61-4)
  Prospect of very low cost power from Ontario Hydro based on large capacity nuclear generating stations, 24:52787 (AECL-3686)
  Prospects from 44 percent cycle efficiency from 400°C steam in electric generating stations, 23:21853 (AECL-3221)
  Recovery and benefits from radiation damage, 25:32631 (AECL-3855)
  Some preliminary thoughts on ion drag accelerators, 22:46580 (UCRL-18103, pp 6-10)
  Super-converter or valubreeder: a near-breeder uranium—thorium nuclear fuel cycle, 22:42156 (AECL-3081)
LEWIS, W. Burton ^{17}O NMR studies of uranium oxides, 25:43497
  Kinetics of reaction between H_2 and F_2 by EPR methods, 25:48383 (LA-DC-12602)
  Knight shifts of ^{13}C in carbides of uranium and thorium, 22:31954
  Spin—orbit coupling constants and other radial parameters for actinide ions, 24:39839
LEWIS, W. E. Gas flow passages in nuclear reactors, 23:13489
  Study of the flow at inlet to gas circulators for nuclear reactors, 23:13490
LEWIS, W. H. Commercial reprocessing of spent nuclear fuel, 23:11621
  Construction and operation of the West Valley reprocessing plant, 24:9564
  Existing and projected plants and processes for thermal reactor fuel recovery: experience and plans, 25:37453 (A/CONF.49/P-65)
  Licensing of reprocessing plant operators, 23:31405 (ORNL-TM-2573)
LEWIS, W. J. Mating of normal and sterilized colonized and native corn earworms with emphasis on failure of pairs to separate after copulation, 25:16296
LEWIS, W. R. Control and inspection systems for plutonium production, 23:6270 (HW-62119)
LEWIS, William Bradley Practical approach to nuclear criticality safety, 24:4123
  Practical approach to nuclear criticality safety. II. Critique of a model, 25:54260
LEWIS, William Edward Flow control, 24:369
LEWIS III, Walter Distribution and excretion of radioactivity by monkey, 24:25375
LEWITAN, Alexander Radiation on the fine structure and enzyme content of the dog pancreas. II, 21:12776
LEWITOWICZ, J. Cerium-135m and /sup 137m/Nd: isomeric states in N = 77 isotones, 25:15042
  Magnetic beta-ray spectrometer on beam of U-300 heavy ion cyclotron, 24:1683 (JINR-E6-4593)
  Three-quasiparticle isomeric state in ^{143}Sm, 23:34795
LEWITUS, Z. /sup 133m/In scanning for visualizing and evaluating giant intracranial aneurysm postoperatively, 25:21756
  Isotope test for portal hypertension, 25:6735
  Kidney scanning with Hipporan, 23:48126
  Scintigraphy of the placenta with /sup 113m/In, 23:48152
  Two years experience in the use of ^{125}I for treatment of thyrotoxicosis, 25:52150 (A/CONF.49/P-654)
LEWONTIN, R. C. Prog. rpt. on mathematical models of mutation and selection in multi-locus systems, 12/1/64—11/30/67, 22:7938 (COO-1437-3)
LEWTHWAITE, G. W. Acceleration of climb-controlled creep by neutron irradiation, 25:13725
  Determination of creep constants from stress relaxation tests, 23:29109
  Irradiation creep in Dournreay Fast Reactor, 24:12448
  Irradiation creep in several metals and alloys at 100°C, 22:2670
  Radiation-enhanced relaxation in Zy-4, 23:30027
LEWYN, L. L. Pulse shape discriminator, 24:33886
  Tunnel diode analog to digital converter, 21:32505
LEXA, J. Distribution of ionization stages of argon under coronal conditions, 25:30181
  Statistical equilibrium of the ion Ar XIV level-population in coronal conditions, 24:17573
LEXA, P. Interaction anti KN from 800 to 1200 MeV/c. IV, 24:51978
LEY, F. J. Gamma radiation for elimination of Salmonella from frozen meat, 25:6823
  Industrial applications of ionizing radiations, 22:19056
  Ionizing radiation for the elimination of Salmonellae, 24:34827
  Radiation control of Salmonellae in foods, 21:26712
  Recent developments in food irradiation, 22:45738
  Recent trends in irradiation of food, 21:39541
  Some effects of ionizing radiation on aqueous solutions of β-lactoglobulin, 21:41313 (AERE-R-3860)
  Sterilization of animal diets by gamma radiation, 24:34818
  Sterilization of laboratory animal diets using gamma radiation, 24:14584
  Studies on the combined effect of gamma radiation and cooking on the nutritional value of fish, 25:35272
  Use of ionizing radiation in food preservation, 21:6743
LEY, G. Mean life time measurements of growing-chain for radiation induced polymerization in dispersed systems, 21:30438 (BMwF-FBK-67-21)
  Radiation chemistry research center, 23:26400 (BMwF-FBK-68-47)
  Radiation-induced polymerization, 24:7479
  Study for a radiation chemistry research centre, 22:18814
LEY, Gregor J. M. Half-life measurements in emulsion polymerization, 23:31367
LEY, H. Dependence of diffusion coefficient on concentration, 24:9207 (UCRL-Trans-10418)
LEY, L. Parity mixing in 482 keV transition of ^{181}Ta, 23:37259
  Parity mixing in 482-keV transition of ^{181}Ta, 24:5429
LEY, R. D. Normal and defective repair of damaged DNA in human cells: a sensitive assay utilizing the photolysis of bromodeoxyuridine, 25:32317
LE YAOUANC, A. Omega production and the gyromagnetic ratio of the quarks, 21:25311
  Recoil effects due to mass differences and quark model of diffractive production of N^*(1470, 1690), 25:33756
  Treatment of spins in the quark model, 25:5358
LEYAROVSKA, L. Borothermic preparation of some V, Nb, and Ta borides, 22:36528
  Preparation of some chromium, molybdenum, and tungsten borides, 21:45985
LEYAROVSKI, Evgenii Influence of magnetic field on thermal conductivity of indium below 1°K, 24:10615
  Thermal conductivity of polycrystal indium below 1°K, 24:10614
LEYDA, W. E. Use of Croloy $2^1/_4$ in LMFBR steam generators, 24:32421
LEYDEN, D. E. Preparation of pellets from ion-exchange resins for direct analysis for metal ions by x-ray spectroscopy, 25:23509
LEYDEN, Donald E. Isotope effects of tertiary amines, 24:7436
  Nitrogen inversion of tertiary amines in aqueous acid, 24:41266
LEYDIG, Robert Phototube gain stabilization using gallium phosphide light emitting diodes, 24:14247 (LA-4263)
LEYENDECKER, Albert Jordon Proximity effect and electromagnetic response of a clean normal—superconducting system, 22:24237
LEYENDECKER, Gerhard Radioimmunoassay of FSH and LH, 24:34009
LEYENDECKER, W. Determination of O traces in Pb, 21:5 (EUR-3072.i)
  Determination of traces of Cl in organic reactor coolants, 24:22590
LEYERS, H. J. Thermal conductivity of coated-particles fillings under supporting gas as function of gas pressure and temperature, 22:41099 (JUL-511-RX)
LEYKO, Wanda Effect of x-ray upon stored blood, 25:10981
  Effects of gamma- and x-irradiation on nucleotides of lymph nodes, 24:34102
LEY KOO, E. Auxiliary potential method for deducing nuclear matrix elements from N—N scattering data, 24:3981
  Modelistic and realistic interactions in P, sd, and pf nuclear shells, 22:7754
LEY-KOO, V. Radioactive wastes of nuclear center in Mexico, 25:34733
LEY-KOO, Victor Reactor assembly, architecture, civil works, and installations, 25:34411
  Triga Mark III of Nuclear Center of Mexico, 25:34412
LEYMONIE, C. Comparison of ten low-alloy steels normalized and tempered for nuclear reactor vessels, 22:52160 (EURAEC-2051)
  Prog. rpt. on properties of steels, 1—3/67, 21:34883 (EURAEC-1861)
LEYMONIE, Cl. Examination of rolled alpax/Al—Al_2O_3 sintered materials, 22:11028 (UCRL-Trans-10144)
LEYNEN, M. Isolation of microgram amounts of berkelium and californium from irradiated americium, 21:143 (EUR-2578.e)
LEYPUNSKII, A. I. Atomic power station BN-600, 23:13371 (JPRS-46747, pp 14-24)
  Development of atomic power plants with fast breeder reactors in the soviet union, 23:13370 (JPRS-46747, pp 1-13)
  Experience of construction and startup of the BOR-60 reactor, 25:34322 (JPRS-53069, pp 139-46)
LEYPUNSKII, O. I. Global contamination of the atmosphere by ^{85}Kr from worldwide nuclear power plants and the radiation danger, 25:54781 (JPRS-53174)
LEYSE, Carl F. Single pass superheat reactor, 21:19441
LEYSE, R. H. Bottom flooding heat-transfer results from single rod tests, 23:37573
  Design, development, and operation of a NaK filled natural convection circulating capsule, 21:19806 (CONF-660511-, pp 5.2.1-17)
  ECC variable flooding rate simulation PWR FLECHT test results, 25:6043
  ECCS variable flooding rate simulation PWR FLECHT test results, 24:43772 (WCAP-5352)
  Effect of 75 percent to 100 percent flow blockage on bottom cooling heat transfer effectiveness, 24:43794 (WCAP-5353)
  Effect of 75 to 100 percent flow blockage on bottom cooling heat transfer effectiveness, 25:6042
  Effect of flow blockage on bottom cooling heat transfer effectiveness, 24:33377
  Effect of flow blockage on bottom cooling heat transfer effectiveness, (FLECHT), 24:38569 (CONF-700608-9)
  Effect of flow blockage on bottom flooding heat transfer effectiveness (FLECHT), 25:39641
  PWR FLECHT (Full Length Emergency Cooling Heat Transfer) Group II test report, 25:10229 (WCAP-7544)
  PWR FLECHT: (Full Length Emergency Cooling Heat Transfer) Final report, 25:46273 (WCAP-7665)
  PWR full length emergency cooling heat transfer (FLECHT) group I test report, 24:50156 (WCAP-7435)
LEYSHON, L. J. Hydrogen abstraction from amides, 23:24150
LEYSHON, T. T. Safety document for Dragon fuel element development laboratory complex, 24:48206 (DP-Report-370)
LEZAMA C, J. Laboratory for production of radioisotopes, 25:34816
LEZAUD, J. M. Generation of detonation by shock wave in granular explosive, 22:14408 (LA-tr-68-2)
LEZHAVA, A. N. Apparatus for dilatation of microspecimens in low temperature channels of reactors, 25:8123
LEZHEIKO, L. V. Influence of heat treatment and irradiation on the luminescence of natural diamond, 22:37023
  Irradiation of artificial diamonds by fast electrons, 25:1277
  Irradiation of synthetic diamonds with fast electrons, 25:22626
LEZHNENKO, I. V. Effect of γ radiation on H/sub k/ and H/sub c/ of thin permalloy films, 21:7370
  Effect of reactor irradiation and subsequent isothermal annealing on magnetic field anisotropy of thin Permalloy films, 24:1055
  Influence of reactor irradiation on properties of thin permalloy films, 25:49985
LEZHNEV, N. N. Interaction of graphite fresh surface with different gases and vapours, 21:41689
LEZHNEVA, A. V. Stratifications in ionospheric sporadic E, 22:38941
LEZHNEVA, O. M. Surface antigens in methylcholanthrene-induced tumors, 25:10993
LEZIN, A. I. Voltage balance in anodic machining of W carbide—cobalt alloy VK8, 22:43638
LEZNIAK, J. Fluorine nuclei in the primary cosmic radiation, 23:27402
  Rigidity dependence for Forbush decreases in 1968, 25:7197
LEZNIAK, J. A. Intensities of low-energy cosmic-ray ^{2}H and ^{3}He nuclei, 25:22382
  Observations on the abundance of nitrogen in the primary cosmic radiation, 23:51407
  Solar modulation of cosmic-ray protons, helium nuclei, and electrons, 25:22384
LEZNIAK, T. W. Correlated effects of electrons at 6.6 R/sub E/ equator and auroral zone, 22:38919
  Drift shell splitting in distorted magnetosphere, 23:44257 (N-69-29710)
  Drift-shell splitting in the distorted magnetosphere, 23:44330
  Experimental study of magnetospheric motions and the acceleration of energetic electrons during substorms, 25:7304
  Magnetospheric substorm effects on energetic electrons in outer Van Allen belt, 24:30205 (N-70-20652)
  Measurement and intensity of energetic electrons at equator at 6.6 R/sub E/, 22:38918
  Structure of the magnetopause at 6.6 R/sub E/ in terms of 50- to 150-keV electrons, 22:47978
LEZNOV, A. N. Gauge invariant nonlocal quantum electrodynamics, 22:26692 (JINR-P2-3590, pp 55-8)
  Infinitesimal operators of regular representation of noncompact groups of rotation 0(p,q), 23:21132 (IFVE-STF-68-51-K)
  Plancherel measure of principal continuous series of unitary representations of the group U(p,q), 25:53251
  Quantized-space theory and the mass spectrum of elementary particles, 22:26691 (JINR-P2-3590, pp 52-4)
  Realization of representations of the quaternion group, 25:3420 (IFVE-STF-69-102)
  Representations of the group of complex matrices L(n,C), 24:45554 (IFVE-STF-69-91)
  Theory of a field in the discrete space, 22:48351 (IFVE-STF-68-7-K)
  Unitary irreducible representations of de-Sitter group O(2,3). II, 23:44681 (IFVE-STF-68-75)
  Unitary representations of the conformal group, 25:5393 (IFVE-STF-69-85)
  Unitary representations of the conformal group, 25:9823
LEZUO, Klaus J. Weyl coefficients in SU(3), 21:40251
LEZUO, Klaus Jochen Weyl coefficients for unitary groups U(n), 22:37174
L'HER, Maurice Spectrophotometric titrations: application to determination of some elements in uranium solutions, 21:23816 (CEA-R-3140)
LHERISSON, A. M. Protective capacity of uv-irradiated polyoma, 23:26707
  Transplantation antigen in polyoma virus—hamster system, 23:47986
L'HERITEAU, J. P. Method of shape analysis of cross-sections of fissile nuclei, 25:15132
L'HERITEAU, Jean-Pierre Critical examination of ^{240}Pu neutron cross sections, 25:10021 (CEA-N-1273)
  Critical examination of α = sigma/sub C//sigma/sub F/ values for ^{239}Pu above 1 keV and experiments for improving these values, 23:23671 (CEA-N-989)
LHERMENIER, Andre Irradiation device Odile, 24:43809 (CEA-N-1317)
  Natural convection irradiation device "Esther", 25:37061 (EURFNR-890)
  Natural-convection irradiation device "Esther", 25:3903 (CEA-N-1348)
  ODILE irradiation device, 25:37060 (EURFNR-889)
  Partial melting of low density mixed oxide $(U,Pu)O_2$ at beginning of irradiation, 25:4879 (CEA-CONF-1659)
L'HERMITE Reverse epitaxial silicon diode for hybrid photomultiplier tube, 22:40500
LHERMITTE, Roger M. Radar observations of convective storm circulation and its relation to precipitation scavenging, 25:26360 (CONF-700601-, pp 13-20)
LHEUREUX, Colette Improvements in processes for simultaneously purifying and concentrating plutonium solutions, 22:30656
  Processes for simultaneously purifying and concentrating plutonium solutions, 25:8338
L'HEUREUX, J. Primary cosmic-ray electron energy spectrum from 10 to 200 MeV, 23:51410
L'HEUREUX, Jacques Diurnal intensity variation of low-energy electrons, 21:43920
  Primary cosmic-ray electron spectrum near solar minimum, 21:27023

LHEUREUX, M. New developments in thermoluminescent dosimetry, 22:16914
Possibilities of a thermoluminescent dosimetry system, 23:20005 (CONF-680507-, pp 225-36)
Thermoluminescent properties of natural calcium fluoride, 21:26222 (CONF-650637-, pp 138-57)
L'HEUREUX, Philippe Regional pulmonary function evaluation, 24:12197
LHIAUBET, Gilbert Experimental study of RAPSODIE protections, 23:19524 (CEA-R-3626)
LHOIR, J. Testing station for nuclear reactor control rod mechanisms and fuel elements, 23:17659
L'HOMME, Alain Power dissipated in graphite and CO_2 of a graphite reactor cell, 24:43855 (CEA-R-3985)
LHOMME, Jean Transannular hydride shifts. Mechanistic study in the longifolene series, 25:29050
LHOMME, P.-J. Workhardening and recovery of Mo and W, 21:36846
LHOST, A. Boiling water capsule, 21:35776 (EURAEC-1867)
Irradiation of mixed UO_2—PuO_2 fuels in BR-3/PWR reactor, 23:16546 (EURAEC-2072)
Irradiation of Pu fuels in BR-3, 23:10302
Irradiation of Zircaloy clad vibrated UO_2—PuO_2 fuel, 25:16614 (EURAEC-2146)
Irradiations of high burn-up UO_2—PuO_2 ceramic fuels, 24:21444 (EURAEC-2135)
Irradiations of UO_2—PuO_2 ceramic fuels with high burn-up ratios, 23:52403 (EURAEC-2097)
Plutonium recycle in thermal reactors, 23:37503 (CONF-690609-6)
Prog. rpt. on use of Pu as fuel in nuclear reactors, 10—12/67, 22:30343 (EURAEC-1992)
Prog. rpt. on use of Pu as fuel in nuclear reactors, 4—6/68, 23:7429 (EURAEC-2065)
Rigs for irradiation in Br.2 of fuel for fast reactors thermal neutron fuel irradiation facility with continuous heat flux measurements, 24:41051 (TRG-Report-1911, pp 338-45)
Thermal behavior of plutonium and uranium oxide ceramic fuels under high specific rating irradiation. II, 24:51233 (EURAEC-2143)
Thermal behavior of uranium and plutonium oxide ceramic fuels under high specific rating irradiation, 24:34975 (EURAEC-2137)
L'HUILLIER, D. Effect of a superflow on a vortex lattice, 24:21745
L'HUILLIER, M. Approximations in the calculation of proton—deuteron elastic scattering at medium energy, 23:3927 (IPNO/LA-3)
Approximations in the calculation of proton—deuteron elastic scattering at medium energy, 23:8930
Corrections to impulse approximation in reaction D(p,2p)n at 155 MeV, 23:25809
D(p,2p) reaction at 150 MeV, 24:52395
LI, A. C. Gamma radiation from ^{71}Zn and /sup 71m/Zn, 21:5515
New isotope studies using heavy-ion induced reactions, 21:13858 (YALE-2726-H-88)
LI, C. P. Fifth and sixth approximations to the electron transport coefficients, 22:17682
Transport coefficients of partially ionized helium, 23:12842
LI, C. Y. Radiation-enhanced creep, 23:36156
Void formation in fast-neutron irradiated Type-304 stainless steel, 23:36162
LI, Che-yu An analysis of fast neutron effects on void formation and creep in metals, 24:44744
Analysis of fast-neutron effects on void formation and creep in metals, 24:6241
Considerations of metal swelling and related phenomena caused by fast neutron irradiation, 25:42918
Grain boundary penetration of niobium by Li, 22:41001
Pore deformation and migration in ceramic fuel elements, 24:12466
Some considerations of the behavior of fission-gas bubbles in mixed-oxide fuels, 24:7310
Some considerations of the behavior of fission gas bubbles in mixed-oxide fuels, 24:44823
Space charge distribution at silver chloride—aqueous solution interface, 22:7954 (NYO-3228-9)
Study of void formation in fast neutron-irradiated metals, 25:35516
Void formation in metals irradiated in fast-neutron environment, 24:12433 (ANL-7588)
Void formation in metals irradiated in a fast-neutron environment, 24:14849
LI, Che-yu. EBR-II in-pile creep experiments on stainless-steel tubing, 24:32480
LI, Chien-peng Transport coefficients of partially ionized plasmas in a magnetic field, 23:23147
LI, Chi-sheng Direct observation of dislocation networks and moire fringes in graphite foils with an electron microscope, 22:26470
LI, G. C. High-energy electron scattering from ^{6}Li, 25:31211
High-energy electron scattering from ^{6}Li, 25:45628 (AD-714022)
M5 and higher magnetic moments in elastic electron scattering, 24:52514
LI, H. Elementary particles and unitary symmetry, 22:7532 (NP-17185)
LI, H. W. Induced mutants of P. oryzae and their pathogenicity, 21:26692
Induced mutation breeding of rice, 24:41803
LI, Hai Tung Model of electron bubble in superfluid helium, 23:42126
LI, Han-fang Relation between the radiation dose and biologic reactions thereto, and application with evaluation of radioprotective compounds, 21:4819
LI, Hsiang-chi Separation of U and V and their determination in phosphate rocks, 23:15798
LI, Hua-chung Regge poles and phases of πN-scattering at $T = ^3/_2$, and $J = ^3/_2$, 21:932
LI, Hui-xin Beryllium-8 fragments emitted from high-energy nuclear disintegrations, 22:35367
LI, Huon Structure of weak shock waves in a fully ionized gas, 22:26402
LI, J. C. M. Stress relaxation, internal stress, and work hardening in some Bcc metals and alloys, 24:42126
LI, J. H. Flux ratios and isotope interaction in an ion exchange membrane, 25:51974
LI, J. S. Characteristics of a plasma generator with a transpiration-cooled porous electrode and related heat transfer studies, 22:22190
LI, Jen-cheng Preliminary observations of radioisotope ^{131}I in the treatment of hyperthyroidism, 23:890
LI, Ji-sheng Preliminary analysis of a set of dislocation ribbons observed in a graphite foil, 22:26469
LI, K. K. Design and performance of K^+ detector, 21:43243
Measurement of p—p and p—d total cross sections at 3.00 GeV/c, 24:37635
New structures in K^+—p and K^+—d total cross sections between 1.55 and 3.30 GeV/c, 21:35268
New structures in the K^-p and K^-d total cross sections between 2.4 and 3.3 GeV/c, 22:20144
Structure in K^+N, I = 0 total cross section, 24:10683
Structures in k^{+-}—nucleon total cross sections between 0.9 and 2.4 GeV/c, 24:37655
Structures in the anti pp and anti pd total cross sections between 1.0 and 3.3 GeV/c, 21:29441
Total cross sections of K^{+-} mesons and antiprotons on nucleons up to 3.3 GeV/c, 24:37657
LI, K. W. Bit-pushing and distribution-pushing techniques for the solution of the Vlasov equation, 25:25115 (COO-1726-68)
LI, K'un Some early effects of x-irradiation in the ultrastructure of mouse liver cells, 21:1829
LI, Kwok-Leung Transport coefficients in a plasma with collisions by quasi-linear approximation, 23:25342 (BMwF-FBK-69-3, pp 18.1-24)
Transport coefficients in a plasma with collisions by quasilinear approximation, 23:36679 (AD-682336)
Velocity space diffusion and Landau damping in collisional plasmas, 24:30364 (AD-696150)
Velocity-space diffusion and Landau damping of plasmas, 25:17169
LI, L. F. High-energy behavior of lowest-order weak amplitudes with electromagnetic radiative corrections, 24:45474
Model for higher-order weak interactions, 24:13012
LI, Ling Fong Current commutator derivation of mass difference relations, 24:40351 (NYO-2171-315)
Current-commutator derivation of mass-difference relations, 25:7596
LI, Ling-Fong Asymptotic behavior of weak spectral functions and hadronic decays of W boson, 25:14634 (NYO-4204-7)
Asymptotic behavior of weak spectral functions and hadronic decays of W boson, 25:22766
Breaking Nambu—Goldstone chiral symmetries, 25:59541
Comment on a rigorous bound for the f/sub +/(o) form factor of K/sub l3/ decay, 25:53101 (NYO-4204-18)
Divergence problem in weak interaction, 25:47816
Mixing eta—π^0 in $K^+ \rightarrow \pi^+\pi^0$ decay, 24:40327 (NYO-2171-316)
Perturbation theory about a Goldstone symmetry, 25:41040
Perturbation theory about a Goldstone symmetry, 25:53242 (NYO-4204-16)
Rigorous bound for the f/sub +/(0) form factor of K/sub l3/ decay, 25:45713
Rigorous bound on K/sub l3/ decay amplitudes, 25:33655
Sum rule for chiral SU(2) x SU(2) symmetry breaking, 25:53178 (NYO-4204-19)
LI, Ming Chiang Current algebra and nonleptonic decays, 22:15745
$K \rightarrow 3\pi$ decays, 22:32107
Radiative hyperon decays and three-particle unitary integral, 21:18968
Reflection model and high-energy π^-p backward peaks, 24:24371
Scattering by a nonshperical potential, 25:41123
LI, Nelson C. Theory of the plane plasma resonance probe, 24:17891
LI, Nelson Chin-shui Theory of the plasma resonance plane probe, 22:24274
LI, Norman C. Complexes in chemistry. final report, 24:29126 (NYO-1922-49)
Prog. rpt. on complexes in solvent extraction, annual, 4/68, 22:27860 (NYO-1922-43)
LI, Paul C. Vibrational spectra and structures of ionic liquids. IV, 24:29250
LI, S. L. Allelic complementation in arabidopsis, 23:50447
Direct evidence for models of heterosis in thiamin pathway, 23:48257
Effects of x rays and ethyl methanesulfonate on chlorophyll B locus in soma, 23:38534
Thiamine mutants of crucifer, 24:687
LI, S. T. Where stands nondestructive testing of concrete and whither, 25:15859
LI, S. Y. Effect of Pauli principle on representation of nucleon pair operators by means of bosons, 24:49969
LI, Shou Yung Application of the Marumori boson expansion to the problem of particle-hole excitation in closed-shell nuclei, 25:46107
Boson expansions for an exactly soluble model of interacting fermions with SU(3) symmetry, 24:28852
LI, Shou-yung Boson expansion method in nuclear physics, 25:56843
LI, Shu-tien Nondestructive evaluation in concrete technology, 24:14218
LI, T. C. Construction of spark chambers with thin foil plates, 21:16158
LI, T. K. Energy shifts observed in Ni K x rays produced by fission-fragment collisions, 25:38151
LI, T. Y. Analysis of $^{19}F(p,\alpha)^{16}O$ reaction, 22:35233
Analysis of the reaction $^{12}C(p,\alpha)^9B$ at 44.5 MeV, 22:53115
Distorted wave Born approximation analysis for reaction $^{12}C(p,d)^{11}C$ at 100 MeV, 23:13207
DWBA analysis of $^6Li(p,d)^5Li$ and $^7Li(p,d)^6Li$ reactions at 100 MeV, 23:8950
Optical model analysis of elastic scattering of 100-MeV protons from light nuclei, 23:3962
Reactions $^{19}F(p,\alpha)^{16}O$, $^{12}C(p,\alpha)^9B$, and $^7Li(p,\alpha)^4He$ near 45 MeV, 21:23424
Reactions $^{58}Ni(p,\alpha)^{55}Co$ and the $^{59}Co(p,\alpha)^{56}Fe$, 24:43283
Scattering of 100-MeV protons by ^{11}B and ^{16}O, 24:26589
LI, Tsai-ping Effect of whole-body gamma-irradiation on structure of DNA of rat spleen, 21:8989
Hidden damage in calf thymus DNA produced by x-ray irradiation, 21:17978
LI, V. P. Preparation and properties of an acenaphthylene—divinylbenzene cation exchange resin, 22:12352
Radiation resistance of KU-4 cationite, 21:40914
LI, Y. Wide-angle electron-pair production with possible C,T noninvariance: speculative interpretation of hypothetical deviations from QED, 21:40274
LI, Y. H. Luminescence of biphenyl and geometry of the molecule in excited electronic states, 24:38890
Radium in the Indian—Antarctic Ocean south of Australia, 24:46378
Radium-226 and ^{222}Rn concentration in Atlantic and Pacific Oceans, 21:43070 (CU-2663-8, App.R)
Rates of vertical eddy diffusion near ocean floor based on measurements of distribution of excess ^{222}Rn, 23:4754
Vertical eddy diffusion near the ocean floor, 22:42894 (CU-2663-9, App.D)
LI, Y. S. Far-infrared and Raman spectra of solid methanol and methanol-d_4, 25:51445
LI, Yuan Dispersion theory of the final state interaction in $\pi + N \rightarrow N + \pi + \pi$, 21:33714
Possible charge-conjugation noninvariance in the photoproduction of neutral rho mesons, 21:15285
LI, Yuan Hui Chemical and isotopic balances for a meromictic lake, 21:43048 (CU-2663-8, App.Q)
Chemical and isotopic balances for a meromictic lake, 22:45182
Concentration in Atlantic and Pacific Oceans of ^{226}Ra and ^{222}Rn, 22:4294
LI, Yuan-Hui Interchange of water between the major oceans, 22:42891 (CU-2663-9, App.A)
Radium and inorganic C in Antarctic waters, 24:19114
LI, Yu-kung Mass-spectrometric analysis of ^{10}B in biological preparations, 22:42607
LI, Yung-ch'i Effect of large doses of γ radiation on gametes of Laminaria angustata, 21:9032
LIACOPOULOS, P. Heterotopic homotransplantation of heart in rat, 24:646
Inhibition of graft-versus-host reaction, 22:40530
Inhibitory effect of Corynebacterium parvum on graft-versus-host disease, 22:40537
Protective effect of Corynebacterium parvum against homologous disease, 23:47983
Suppression of homologous disease and induction of tolerance in mice, 23:47999
Transplantation tolerance induction in adult mice, 22:38216
LIACOPOULOS-BRIOT, M. Myelo-restorative capacities and immunocompetence of bone marrow cells of the mouse cultivated in vitro, 25:26942
LIACOPOULOUS, P. Induction of tolerance for transplantation in adult mice of different H_2 loci, 22:51431
LIALIN, G. Anomalous emission of chlorophyll, stimulated by ruby laser, 21:10786
LIAN, Jane Barbara Crystallization of disodium, dibarium, and magnesium salts of adenosine triphosphate, 22:4070 (UR-49-866)
LIANG, Hilda Probable role for protein synthesis in intestinal epithelial cell damage induced in vivo by cytosine arabinoside, nitrogen mustard, or x-irradiation, 24:39564
LIANG, V. K. C. Kondo temperature and unitarity limit in non-dilute magnetic amorphous alloys, 25:10347 (CALT-822-20)
LIANG, Victor K. C. Magnetic states in amorphous 41Pd—41Ni—18B alloys containing Cr and Fe, 25:45610
LIANIS, G. Constitutive equations in continuum relativistic physics, 24:24200
LIARTE, Julio Spanish uranium areas, 22:4274
LIAS, S. G. $C_4H_8^+$ ions formed in radiolysis of cycloalkanes, 24:20841
Carbonium ions in radiation chemistry. Reactions of t-butyl ions with hydrocarbons, 24:44038
Carbonium ions in radiation chemistry. II. Isomerization process in protonated cyclopropane and cyclobutane ions, 25:2290
Gas-phase photolysis and radiolysis of isobutane, 22:16607
Gas-phase photolysis of cyclohexane in the photoionization region, 23:282
Ion—molecule reactions in condensed-phase radiolysis of hydrocarbon mixtures. II, 21:36020
Ion—molecule reactions in the condensed phase radiolysis of hydrocarbon mixtures. I, 21:8365
Irradiation of xenon—propane and argon—propane mixtures with γ rays and 21.2-eV photons, 24:22678
Primary modes of decomposition of superexcited n-alkane molecules, 22:35869
Structure and reactivity of propyl ions in gas-phase radiolysis, 22:45124
LIAS, S.-G. Gas phase radiolysis of hydrocarbons, 22:21135
LIAUD, P. Analysis of the $\beta 1^- \rightarrow 2^+$ transitions of ^{186}Re and ^{188}Re, 23:5906
Beta spectra of the $1^- \rightarrow 2^+$ transitions of ^{186}Re and ^{188}Re, 22:46812
Beta spectrum shapes and beta nuclear matrix elements of ^{186}Re and ^{188}Re, 24:49902

Form factor of the 473-keV β transition $^{94}\text{Nb} \rightarrow {}^{94}\text{Mo}$, 22:27103
Precise shape of β spectra and backscattering by source backing, 21:25545
Spectra of 1510-keV β transition and spin of /sup 152m1/Eu, 24:3949
LIAUD, Pierre Analysis of $0^- \rightarrow 0^+$ and $0^- \rightarrow 2^+$ transitions of $^{166}\text{Ho} \rightarrow {}^{166}\text{Er}$, 25:25746
Beta spectrum of the $1^- \rightarrow 2^+$ transition of ^{170}Tm, 21:29984
Nuclear matrix elements of $\beta(1^- \rightarrow 2^+)$ transition of ^{170}Tm, 23:8989
Shape of β spectra for transitions $1^- \rightarrow 0^+$ in decay of ^{170}Tm, ^{186}Re, and ^{188}Re, 23:23713
Spectral shapes and analysis of some once-forbidden beta transitions, 24:22136 (CEA-R-3923)
LIAW, Chiu-fong Behavior of Np in aqueous solution. II, 25:57535
Behaviors of neptunium in aqueous solutions. I, 25:54733
LIBANATI, C. M. Self-diffusion in alpha Zr, 22:41074
Self-diffusion of Ti, Zr, and Hf in their hcp phases, and diffusion of ^{95}Nb in hcp Zr, 22:43577
LIBANATI, Nelly Ambrosis de Post-graduate studies and professional training within sphere of Argentine National Atomic Energy Commission an experience in Latin American cooperation, 25:54329 (A/CONF.49/P-568)
LIBANSKY, J. Biological and physical properties of a leukemogenic agent, 23:33910
Fibroblastoid transformation of malignant myeloblasts in vitro, 23:6582
LIBBEY, L. M. Gas chromatographic and mass spectral identification of some volatile components of gamma-irradiated milk fat, 21:6745
LIBBEY, Miles A. Role and distribution of written informal communication in theoretical high energy physics, 21:44294 (NYO-3732-1(Rev.))
LIBBY, D. R. Prog. rpt. on high-power quasi-steady MPD acceleration, final, 5/70, 25:30599 (N-71-10100)
Spectroscopic study of ion—neutral coupling in plasma acceleration, 25:14306
LIBBY, H. L. Broadband electromagnetic testing methods. IV, 23:16054 (BNWL-953)
Broadband electromagnetic testing methods. V, 23:17713 (BNWL-976)
Eddy current multiparameter test for tube flaws in support regions, 24:46442 (BNWL-1468)
Eddy current nondestructive test tubing cross-section display device, 23:47872 (BNWL-1158)
Feasibility study of probe-type liquid metal flowmeters for FTR subassemblies, 23:20038 (BNWL-911)
Miscellaneous eddy current techniques, 23:19914 (BNWL-996)
Multichannel eddy current tubing tester, 22:37626 (BNWL-765)
Transformation device using post-detector signal pattern rotators for multiparameter eddy current tester, 25:12878 (BNWL-1469)
LIBBY, L. M. Age of cosmic rays and abundance of antimatter in the galaxy, 24:12614
Antiproton—proton annihilation interactions at 2.7 GeV/c producing eight or more pions, 24:49320
Fifty environmental problems of timely importance, 25:24076 (P-4415(RAND))
New method to limit abundance of cosmic ray quarks, 22:48613
Prediction of slope changes in anti pp scattering, 25:17378
Prediction of slope changes in kaon—nucleon scattering, 25:25444
Regge trajectory for the di-baryon system, 24:15602
Results on $\pi^-\pi^-\pi^+$ mass structure in π^-P interactions at 6.7 GeV/c, 23:14989
Stable masses and radii of super dense baryon stars, 24:8261
Stars that do not twinkle outside the Earth's atmosphere, 23:25036
LIBBY, L. Marshall Age of cosmic rays and abundance of antimatter in Galaxy, 24:8298 (AD-694383)
Age of cosmic rays and abundance of antimatter in our Galaxy, 24:10331 (P-4198(RAND))
anti p—p annihilations to K and π mesons at 2.7 GeV/c, 24:18076
Computation of elastic pion—pion cross-section from 1.7 GeV/c $\pi^-p \rightarrow \pi^-p\pi^0$. Test of Ferrari—Selleri form factor, 22:3275
Day—night variation of Alouette II secondary resonances, 23:44313
Elastic scattering of 2.7 GeV/c antiprotons on protons, 21:31526
Equation of state for a degenerate baryon gas including strong forces, 23:49177
Evidence for A_1^0 production in K^-p interactions at 4.6 and 5.0 GeV/c, 22:7449
Evidence for narrow 3π effects near 960 MeV in K^-p interactions at 4.6 and 5.0 GeV/c, 22:39282
Four- and five-body final states from 6.7-GeV/c π^-p interactions, 24:28498
Galactic x rays: variable sources in hydromagnetic waves, 22:36677
Hard core in multi-GeV $K^{+-}p$ elastic scattering, 23:15139
High energy pion proton scattering, 24:8659
Hyperon production in interactions of 2.7 GeV/c antiprotons on protons, 21:44268
Interaction radii of strongly interacting particles, 22:26631
K^-p elastic scattering at 2.24 GeV/c, 21:29457
K^-p interactions at 4.6 and 5.0 GeV/c, 24:3529
New method to limit abundance of cosmic ray quarks, 24:8626
Pi—rho mass spectrum in π^-—p interactions at 6.7 GeV/c; spin—parity analyses for A(1200) and A(1300), 22:39286
Pion—nucleon elastic scattering above 1 GeV, 23:5633
Production of baryon resonances in 6.7 GeV/c π^-p interactions, 24:26380
Radio reflection by free radicals in Earth's atmosphere, 21:33282
Reaction $K^- + p \rightarrow K^- + p + \pi^- + \pi^+$ at 4.6 and 5.0 GeV/c; evaluation of $K^-\pi^-$ scattering cross section, 21:31534
Reaction $K^-p \rightarrow K^-p\pi^+\pi^-$ near 5.0 GeV/c,, 24:8658
Reactions $\pi^-p \rightarrow \pi^-p$ and $\pi^-p \rightarrow \pi^-\pi^0p$ at 1.7 GeV/c, 23:7101
Repulsive core and interaction energy in proton—proton scattering, 23:36958
Repulsive core and interaction energy in proton—proton scattering, 23:49171 (AD-690395)
Single pion production in anti pp interactions at 2.7 GeV/c, 23:44597
Slope changes for ln(dsigma/dt) and computation of baryon compressibility, 23:36957
Solar energy without neutrinos, 23:36354
Test of the modified droplet model using the reaction $\pi^+ + d \rightarrow p + p$, 21:42394
Two meson final states in interactions of 2.7 GeV/c anti p p, 22:1382
LIBBY, Leona Marshall Prog. rpt. on high energy physics, annual, 6/66—6/67, 21:31524 (COO-1537-1)
LIBBY, Paul A. Proceedings of the 1967 Heat Transfer and Fluid Mechanics Institute, San Diego, La Jolla, 6/67, 21:28167
LIBBY, R. A. Spectrotitration of ethane-1-hydroxy-1,1-diphosphonic acid (EHDP) with thorium diaminocyclohexanetetra-acetate, 25:10462
LIBBY, Raymond L. Extracorporeal irradiation in goats and man, 22:10866
LIBBY, W. F. A look into the future for Plowshare, 24:27285
Chemistry of positive ions. VI, 21:3111
Collecting sample of solar wind, 23:46410
Day—night variation of Alouette II secondary resonances, 23:44313
Europa and decametric radiation from Jupiter, 23:6875
Fifth source of Jupiter decametric radiation, 23:6874
High-pressure superconducting polymorph of cadmium tin diarsenide, 23:39422
High-pressure superconducting polymorph of cadmium germanium diarsenide, 24:10466
History of radiocarbon dating, 22:6453
Intramolecular electrostatic electron traps, 23:7559
Life in space, 22:33916
Polymer production in γ radiolysis of methane in liquid argon, 23:9438
Production of tritium and ^{3}He by proton bombardment of metals, 21:25466 (UCRL-14346)
Radio reflection by free radicals in Earth's atmosphere, 21:33282
Radiocarbon and paleomagnetism, 21:39888
Radiocarbon dating, 24:9520
State of the art in ^{14}C dating, 21:36112
Stimulation of Jupiter's radio emission by Io, 21:20863
Stratospheric residence time and interhemispheric mixing of ^{90}Sr from fallout in rain, 22:33571
Tritium fallout in Pacific United States, 25:10720
Tritium geophysics from 1961—1962 nuclear tests, 22:25536
Tritium hydrology, 25:51627
LIBCHABER, A. Josephson effects, 25:9384
Transport properties and phase coherence in superfluid helium, 25:58914
LIBELO, Louis F. Classical relativistic electrodynamic relations derived from systems of charged particles, 22:34806 (AD-665487)
LIBEN, W. Computation of nuclide yield in a 60-inch cyclotron, 21:13744 (AD-639919)
LIBER, Theodore Frangible plate fragmentation, 21:30646 (NP-16806)
LIBERACE, R. Nuclear power and ^{85}Kr levels, 22:28499
LIBERALE, G. Absorption spectra of calcium hydride, 23:48666
LIBERATORI, J. Electrokinetic character induced by thermal treatments combined with the effects of uv radiations on the proteins of cow's milk whey, 21:24355
LIBERMAN, A. Momentum measurement at 100 MHz of particles in a high-energy beam with large angular divergence and spatial extent, 23:1744
LIBERMAN, A. D. Experimental test of quantum electrodynamics by muon bremsstrahlung, 23:21154
High-energy muon inelastic scattering, 23:21055
Measurement of the radiative decay modes of phi° meson phi° → eta°γ, phi° → π°γ with the Orsay storage ring, 25:1411 (LAL-1240)
LIBERMAN, A. N. Activity of alkaline phosphatase of tissues upon irradiation with soft and hard x-rays, 22:10724
Dependence of the maximum permissible dose on the energy of x-ray or gamma-irradiation, 22:6819
Influence of soft x-irradiation on the endurance of animals under physical loads, 22:15080
Radiation of Soviet-made television, 24:25489
Reactivity of the organism in combined action of ultraviolet and long-wave roentgen radiation, 22:43445
LIBERMAN, B. New formulation of quantum electrodynamics, 22:35079
Two ways of spontaneous symmetry breaking, 22:3480
LIBERMAN, D. SCF Dirac—Slater calculations of translawrencium elements, 23:39300
LIBERMAN, D. A. Relativistic self-consistent field program for atoms and ions, 25:40394
LIBERMAN, David Relativistic calculation of anomalous scattering factors for x rays, 24:39850 (LA-4403)
Relativistic calculation of anomalous scattering factors for x rays, 24:49023
LIBERMAN, David A. Calculation of the photo-electric absorption coefficient by the statistical method, 21:600 (LA-3581)
Equation of state of molecular hydrogen at high pressure, 25:48382 (LA-4727)
Exchange potential for electrons in atoms and solids, 22:38781
New potential function for atomic and solid-state calculations, 24:45056
Self-consistent field calculations of bulk properties of solids, 25:25267
Spin—orbit coupling constants and other radial parameters for actinide ions, 24:39839
LIBERMAN, Irving Highly radiative plasmas using wall-stabilized pulsed arc discharge, 21:2272
LIBERMAN, M. A. Appearance of Regge poles while scattering in Coulomb field, 22:41772 (JINR-P2-3866)
Helicity and unitary representations of Lorentz group, 24:3717
Invariant expansions in a cone and unitary transformations of the amplitudes, 23:5687 (JINR-P2-4067)
Invariant expansions on the cone and unitary transformations of amplitudes, 23:37029
O(3,1) expansions of scattering amplitude and Regge poles, 24:8739
Regge poles in scattering in the Coulomb field, 23:27883
Unitary representations of Lorentz group and functions with spin, 21:31611 (JINR-E2-3294)
Unitary representations of Lorentz group and functions with spin, 22:20343
LIBERMAN, Sylvain Hyperfine structure of some infrared laser lines of ^{129}Xe, 22:19742
LIBEROV, L. G. Exchange of carbon and oxygen atoms of carbon dioxide under conditions of syntheses from carbon monoxide and hydrogen on iron catalysts, 25:31900
LIBERT, J. Energy in isomeric transition in ^{109}Ag, 21:44732
Gamma transitions in ^{37}Cl from beta decay of ^{37}S, 22:50594
Symmetry defects in measurement of polarization. II, 25:37579 (LA-tr-71-40)
Symmetry defects in measurement of polarization. III, 25:37580 (LA-tr-71-41)
Symmetry defects in measurement of polarization. I, 25:38988 (LA-tr-71-39)
Symmetry defects in polarization measurements. V, 21:26296
Symmetry defects in the measurement of polarization. IV, 21:8651
LIBERT, J. J. Method for the economic study of the benefits of desalination in satisfying the need for water, 25:51666 (A/CONF.49/P-589)
LIBERTI, A. Gas chromatographic dètermination of isotopic molecules by means of open tubular thick layer graphitized carbon black columns, 22:27874
Gas chromatographic separation of pairs of isotopic molecules by means of porous polymer beads, 23:7613
High resolution partition capillary columns, 24:38999
LIBERTI, Arnaldo Gas chromatographic separation of polar isotopic molecules, 22:155
Isotope effect on physical adsorption, 24:27049
LIBERTI, P. Antithyroid therapy and LATS, 23:29399
LIBERTU, A. Deuterium enrichment from natural abundance by gas chromatography, 25:51595
LIBIKOVA, N. I. Deoxyribonuclease I activity in urine of irradiated rats treated with cystamine, 21:22329
Influence of cystamine and S, β-aminoethylisothiuronium on desoxyribonuclease-II activity in radiosensitive organs of rats irradiated with the doses of 350 and 100 r, 21:4825
LIBINZON, R. E. Activity of alkaline and acid phosphatase in bone tissue of rabbits affected with ^{239}Pu, 22:23454
Activity of phosphorylation enzymes in bone marrow of irradiated rabbits, 25:44764
Biochemical changes in the lungs of rabbits after inhalation of plutonium, 23:4869
Influence of ^{239}Pu on metabolism of free radicals in rabbit liver, 21:6424
Neptunium-237 metabolism in rats, 21:34578
Prophylactic and therapeutic action of nucleic acids during acute radiation injury, 22:6849
Repair of radiation damages to chromosomes of bone marrow, 25:44826
Therapeutic effect of DNA in acute radiation sickness, 25:44845
Therapeutic efficacy of high-polymer heterologous DNA in radiation sickness, 24:23244
LIBMAN, G. Effect of ultrasonic vibrations on particle tracks in liquid-H_2 bubble chamber, 24:21016
Effect of ultrasound on formation of ionizing particle tracks in liquid-hydrogen bubble chamber, 24:7649 (JINR-P13-4702)
Effect of ultrasound on formation of ionizing-particle tracks in a liquid-hydrogen bubble chamber, 24:14302 (SLAC-Trans-110)
Effect of ultrasound on the formation of the tracks of ionizing particles in a liquid-hydrogen bubble chamber, 24:36620
The influence of ultrasound on the formation of high-energy particle tracts in liquid hydrogen bubble chamber, 24:5932
LIBMANN, J. Dosimetric intercomparison measurements in core of reactor ISIS at Saclay, 23:52416
LIBOFF, A. Thin-wall ion chambers for low-level radiation environment, 22:2378
LIBOFF, A. R. New ionization chamber technique for the measurement of environmental radiation, 22:12578
Ultra-low levels of terrestrial ionisation, 22:14583
LIBOFF, Richard L. Application of the collective approach to the thermodynamics of an electron gas, 25:11896
Compatibility requirements in BBGKY expansion, 22:34665
Magnetohydrodynamics in a reacting medium, 21:40022
Plasma virial and equations of state for a plasma, 22:44151
Properties of Fokker—Planck equation, 21:40013
Relativistic fields due to a particle in a grounded cylindrical box, 24:26564

Stability of continually-created mass against gravitational decay, 23:8427
LIBOTTE, P. Manufacturing problems of advanced fuels, 25:737
LIBOVICZ, Basil Prog. rpt. on shelter package ventilation kit, final, 10/65, 21:250 (AD-629633)
LIBOVICZ, Basil A. Prog. rpt. on package ventilation kit, final, 8/65, 21:8785 (AD-632963)
Prog. rpt. on package ventilation kit, 3/29/65-4/12/65, 21:8786 (AD-633233)
LIBOWITZ, G. G. Electronic transition in cerium hydride, 25:1315 (CONF-700403-(Vol.1), pp 310-21)
Gadolinium—hydrogen system at elevated temperatures, 23:41740
Point defects in some rare earth dihydrides, 22:24387 (CONF-670502-, pp 132-44)
LIBOWITZ, George G. Metal hydrides, 23:24974
LIBS, G. Charge sensitive preamplifier with a high resolution, 22:12707
LIBS, Gerard High-performance γ spectrometry using Ge(Li) detectors, 22:38058 (CEA-R-3405)
LI BUTTI, D. R. NAD wideband rf data transmission system, 24:50275 (EGG-1183-4030)
LICCIARDELLO, J. J. Effect of γ rays on bacteria, 23:18135 (CONF-681006-, pp 231-4)
Effect of irradiation on inactivation of Clostridium botulinum type E, 24:27543
Effect of O tension on irradiated and nonirradiated haddock, 22:26020
Effect of repeated irradiation on Salmonella, 24:6154
Effect of repeated treatment with gamma rays on radioresistance, virulence, and culture characteristics of certain pathogenic bacteria, 23:24768 (MIT-3325-40)
Effect of repeated treatment with γ rays on the radioresistance virulence and culture characteristics of certain pathogenic and related bacteria, 21:26685 (TID-23707)
Elimination of Salmonella in poultry with ionizing radiation, 24:34826
Inactivation of Clostridium botulinum toxin type E by gamma rays, 24:25611
Inactivation of Salmonella in poultry with gamma radiation, 24:48759
Observations on radio-pasteurized meats after 12 years of storage at refrigerator temperatures above freezing, 21:28707
Radiation resistance in Salmonella cultures, 23:41506
Radiosensitivity of Newcastle disease virus, 24:25609
Recovery of salmonellae from irradiated and unirradiated foods, 25:13620
Treatment of poultry with ionizing radiations to destroy salmonellae, 23:6626 (MIT-3727-5)
Treatment of poultry with ionizing radiations to destroy Salmonellae, 23:18169 (CONF-681006-, pp 185-8)
Treatment of poultry with ionizing radiations to destroy salmonellae, 23:24780 (TID-24887)
LICCIARDO, R. B. A. Nuclear power, 24:29031
LICHARD, P. Electromagnetic mass and coupling-constant shifts of N and Δ(1238) in a bootstrap model, 23:32661
Sum rules for the determination of s- and p-wave pion—pion scattering lengths, 21:4043
LICHARD, Peter Effect of electromagnetic corrections to the strong interactions on the nucleon mass difference in a reciprocal bootstrap model, 23:10791
Effect of high-mass channels on electromagnetic mass differences of baryons and vector mesons, 21:27333
Electromagnetic mass differences of pseudoscalar and vector mesons in bound-state bootstrap models, 21:29420
LI'CHENKO, P. A. Efficiency of radiation cross linking of polyolefins, 23:11577
LICHERON, S. Study of the properties of concrete and especially of creep under the effect of temperature, 25:30023 (EUR-4531, pp 267-324)
LICHNEROWICZ, A. Fibrous space and space—time, 25:41106
Shock waves in relativistic magnetohydrodynamics, 25:11763
LICHNEROWICZ, Andre Differential geometry and physical theories, 21:7399
Rays in relativistic magnetohydrodynamics, 21:31302
Relativistic hydrodynamics and magnetohydrodynamics, 22:1040
Shock waves and compressibility hypotheses in relativistic magnetohydrodynamics, 22:36790
Shock waves and compressibility hypothesis in relativistic magnetohydrodynamics, 23:30395
Shock waves in relativistic magnetohydrodynamics, 21:16854
Shock waves in relativistic magnetohydrodynamics, 25:24951
Theorem for existence and uniqueness of shocks in relativistic magnetohydrodynamics, 23:20758
Theory of rays in relativistic hydrodynamics and magnetohydrodynamics, 23:1248
Topics on space—times, 24:33048
LICHT, Arthur Lewis Wave functions and form factors for relativistic composite particles. I, 24:47406
Wave functions and form factors for relativistic composite particles. II, 24:47404
LICHTBLAU, H. Photonuclear reaction yields from ^{59}Co at 35 MeV and 54 MeV, 21:38277
LICHTEN, W. Resonant charge exchange in atomic collisions, 22:13255
LICHTEN, William Molecular wave functions and inelastic atomic collisions, 22:5085
Quantum mechanics of a double perturbation, 25:13981
LICHTENBERG, A. J. Diagnostics for hot-electron, magnetically confined plasmas, 25:30489
Electron—cyclotron heating in a mirror machine, 21:27124
Mechanism for the breakdown of adiabatic invariance, 24:15329
Microwave loss in a reflex plasma discharge, 21:11646
Plasma density measurement by cavity perturbation in high density plasma, 23:48882
Prog. rpt. on plasma research, 7—9/65, 21:46300 (AD-641083)
Synchrotron radiation experiments with a hot electron plasma, 22:44166
Turbulent heating experiment, 24:42649
Verification of classical, self-consistent theory of particle loss in hot electron, magnetic mirror compression experiment, 25:30465
LICHTENBERG, Allan J. Electron cyclotron interaction in a magnetic mirror compression experiment, 23:20958
Nonadiabatic and stochastic mechanisms for cyclotron resonance trapping and heating in mirror geometries, 23:20882
Phase-space dynamics of particles, 23:19097
LICHTENBERG, D. B. Baryon mass splitting in a boson—fermion model, 21:25293
Baryon supermultiplets of SU(6) x O(3) in quark—diquark model, 23:23524
Composite models of hadrons, 23:15083
Does the Veneziano model have duality, 23:34663
Duality and comparison of resonance and Regge models for π^+p backward scattering, 25:14726
Electromagnetic mass splittings of baryons in a Boson—Fermion model, 21:27337
Electromagnetic properties of baryons in a quark—diquark model with broken SU(6), 23:3673
Electromagnetic properties of hadrons in a triplet-sextet model, 21:44326
Multichannel approach to high energy collisions, 21:18993
Nonlinear sum rules for high-energy hadron—hadron collisions in the quark model, 22:34959
Proceedings of the 1966 Midwest Conference on Theoretical Physics, 5/66, 21:46502
Quark model and the magnetic moments of proton and neutron, 23:30733
Quark—diquark model of baryons and SU(6), 22:22383
Quark-antiquark models of mesons with relativistic kinematics, 21:2458
Test of duality in π^+p backward angular distributions, 24:24365
Unitary symmetry and elementary particles, 24:47486
Variants of the quark model, 24:52063
LICHTENBERG, R. Scattered radiation in the formation of the soft tissue image, 24:7951
LICHTENBERG, R. R. Yttrium—bismuth alloy system, 23:34007
LICHTENBERGER, D. R. Xenon-133 diffusion in urania solid solutions, 22:19624 (CONF-650513-10)
LICHTENBERGER, F. Safety problems, 23:45042
LICHTENBERGER, Francis Program and economy of fast reactors. Report prepared for session VI of the Third FORATOM Congress, 21:42749
LICHTENBERGER, Harold V. Nuclear reactor control rod with guide members, 23:9243
LICHTENBERGER, K. Telecesium treatment of carcinoma of the larynx and hypopharynx, 22:43379
LICHTENHELD, Richard William Effect of light, temperature, and gamma radiation on the locomotor activity of juvenile steelhead trout, 22:2556
LICHTENSTEIGER, M. rf-sputtered cadmium sulfide thin crystals, 24:21362
LICHTENSTEIN, C. A. Measurement of the γNN^* form factor, 21:18882
Measurement of the pion form factor, 22:5491
Wide-angle bremsstrahlung, 23:14953
Wide-angle bremsstrahlung, 24:28475
LICHTENSTEIN, Carl Arthur Wide-angle Bremsstrahlung: angular dependence, 25:14529
LICHTENSTEIN, D. Moessbauer studies of after-effects of Auger ionization, 24:20842
LICHTENSTEIN, Henry Effects of spatial perturbations on particle transport in otherwise homogeneous media, 25:38528
LICHTENSTEIN, L. M. Interactions of the complement system with LPS, 24:25397
LICHTENSTEIN, Pearl R. Diffusion calculations and solar proton spectra, 24:8365
Mid-latitude magnetic bays and auroral absorption, 25:2964
LICHTENSTEIN, R. M. Simple contactless method for measuring decay time of photoconductivity in silicon, 21:14461
LICHTENSTEIN, Roland M. Prog. rpt. on radiation damage in semiconductors, final, 2/1/63—9/30/65, 21:2283 (AD-630701)
LICHTENTHALER, Hartmut K. Effect of uv-light on the lipoquinone and pigment composition of isolated spinach chloroplasts, 23:50337
LICHTER, B. D. Hall coefficients for Hg—Tl and Hg—In systems, 25:3209
LICHTER, James J. Electron spin resonance of an irradiated single crystal of deoxyadenosine monohydrate, 22:45106
LICHTER, James Joseph Electron spin resonance studies of radiation damage to a single crystal of deoxyadenosine monohydrate, 24:33729
LICHTIN, N. N. Pulse radiolysis of liquid amides, 25:44397
Radiolysis of methanol and methanolic solutions. VI, 24:22711
Sites of attack of hydroxyl radicals on amides in aqueous solution, 24:36310
LICHTIN, Norman N. Cobalt-60 gamma-radiolysis of liquid formamide, 24:13898
Prog. rpt. on radiation chemistry of organic compounds, 2-12/66, 21:12442 (NYO-2383-16)
Radiolysis of methanol and methanolic solutions. V, 23:33212
LICHTMAN, H. C. Radioactive iron studies in patients treated with methotrexate for psoriasis, 23:4892
LICHTMAN, Herbert C. Liquid-scintillation radioassay of ^{14}C-labeled hemoglobin in thixotropic gel, 24:11453
LICHTMAN, S. Boson structures in reaction $\pi^+p \rightarrow p\pi^+\pi^0$ at 13.1 GeV/c, 24:37645 (COO-1428-221)
Breakdown of vector dominance relation between rho^0, ω production, and polarized photoproduction, 23:14993
Decay of high mass bosons to $\pi^+\pi^0$, 24:37637 (COO-1428-176)
Decay of some high-mass bosons to $\pi^+\pi^0$, 24:40282
Decay properties of D^0 meson, 24:37648 (COO-1428-224)
Enhancement in the $\pi^-\pi^+$ system at M = 1.05 GeV, 23:3644
Four-charged-particle final states from the interaction of 2.7-GeV/c π^+ on deuterium, 23:23383
High mass boson production in π^+p interactions at 13.1 GeV/c, 24:37646 (COO-1428-222)
Meson states in π^+d reactions at 2.7 GeV/c, 22:41733 (COO-1428-70)
Reaction $\pi^+d \rightarrow d\pi^+\pi^+\pi^-$ at 2.7 GeV/c, 22:41738 (COO-1428-83)
Reaction $\pi^+n \rightarrow K^+K^-p$ at 2.7 GeV/c, 24:12949
Search for epsilon^0-meson, 22:11595
Study of D^0 $\rightarrow$ π^{+-}delta^{-+} and delta^{-+} $\rightarrow$ π^{-+}eta in the reaction $\pi^+d \rightarrow$ p/sub s/pD^0 at 2.7 GeV/c, 23:27747 (COO-1428-117)
Study of D^0 $\rightarrow$ π^{+-}delta^{+-} and delta^{+-} $\rightarrow$ π^{+-}eta in the reaction $\pi^+d \rightarrow$ p/sub s/pD^0 at 2.7 GeV/c, 23:34544
Study of Δ^{++} production in two pronged π^+p interactions at 13.1 GeV/c, 24:42877 (COO-1428-232)
LICHTMAN, Stanley Phi meson in K^-p interactions at 2.23 GeV/c, 21:15274
LICHTWITZ-JANOSSY, V. Minnaert's conditions on multipole parameters of spin density matrix for spin 2, 24:20143
LICHY, Duchan Radiation field and isodoses of ^{113}Sn//sup 113m/In generator, 25:32422
LICIU, Florentina Chromosomal lesions in dogs irradiated and restored by autogenetic bone marrow, 23:48222
LICK, D. W. Study of vortex flow, 23:17675 (CTC-7)
LICK, Dale W. Existence-uniqueness theorems for non-linear Dirichlet problems, 21:40723 (K-1723)
Non-linear Dirichlet problems, 22:20988 (K-1737)
Nonlinear Dirichlet problem with application to quasilinear problems, 21:47002 (BNL-11811)
Numerical solution of a system of ordinary and nonlinear partial differential equations, 22:1768 (K-1724)
Numerical treatment of a thin plate heat transfer problem, 21:28151 (K-1695)
Restricted non-linear Dirichlet problems, 23:26131 (CTC-11)
Solution of a diffusion-convective corrosion problem, 22:35548
LICKI, J. Effect of self-reversal of spectral lines on measurement of plasma temperature, 25:33229
Study of various methods of determining temperature of plasma in MHD duct, 23:34308 (AD-683133)
LICKI, Janusz Spectral temperature recorder, SRT, 25:40595 (INR-1258)
LICKING, L. D. Receiving properties of an asymmetric cylindrical antenna, 25:57271 (SC-RR-710475)
Response of a short monopole antenna mounted on the skin of a finite-length cylinder, 25:57273 (SC-RR-710519)
Thin-wire circular loop antennas of arbitrary size, 24:43907 (SC-RR-70-433)
LICKTEIG, K. Decay time of the higher harmonics in Rossi Alpha experiments, 24:50241
LICSANDRU, E. Thermodynamic analysis of saturated steam cycles and of direct thermal cycles for nuclear power stations, 25:20596
LIDA, M. Models of resistance of prestressed concrete pressure vessel, 23:45075
Prestressed concrete pressure vessels and their thermal insulation, 25:53905 (A/CONF.49/P-571)
Scale models for strength testing nuclear pressure vessels, 23:11208
Study of the properties of concrete and especially of creep under the effect of temperature, 25:30023 (EUR-4531, pp 267-324)
Tensile strength models for prestressed concrete reactor pressure vessels, 23:51124
LIDA, Maurice Process for measuring compressive stresses, 25:48707
LIDARIK, Miloslav Contamination and decontamination of epoxy resin-base lacquers, 21:18065
LIDBURY, D. P. G. Ion-beam thinning of semiconductor materials, 25:52969
LIDDIARD, Francis Ernest Improvements in or relating to fluid level locations, 23:20054
LIDDIARD, V. C. Thermal decomposition of lithium azide, 22:33448
LIDDLE, P. F. Microwave scattering from a nonuniform plasma, 24:51628
LIDDLE, R. H. Earth objects on the moon: ultrasonics for super cleaning, 24:33625 (Y-DA-3452(Rev.1))
LIDDLE, William Civil defense for Brisbane, 21:18047
LIDE, D. R. Correction of some erroneous calculations of Einstein A coefficient for 18cm. transition of OH, 21:14983
Microwave spectrum, structure, boron quadrupole coupling constants, and dipole moment of difluoroborane, 22:16535
LIDE, David R. Jr. Infrared spectrum of matrix-isolated OH radical, 22:21081
Microwave spectrum, structure, dipole moment, and barrier to internal rotation of P trifluoride-borane, 21:8282
Structure of alkali hydroxides. III, 23:11513
Structure of the alkali hydroxides. IV, 23:24147
LIDE, R. W. Decay of γ-vibrational band in ^{250}Cf, 24:30852
Indirect measurement of neutron emission from fission fragments, 22:46805
Variable-grid response matrix for 5 x 4 NaI scintillation spectrometer, 24:16873 (ORNL-TM-2865)
LIDEN, K. Application of a betatron in photonuclear activation analysis, 23:3855 (AE-333)
Application of a betatron in photonuclear activation analysis, 23:13682
Resolution components and differential linearity of a gamma camera, 23:33460
Study of ^{57}Co—vitamin B_{12}-absorption, 24:770

  Use of radionuclides for tracing the origin of marine oil pollution, 25:32145
LIDEN, Kurt Levels and rate of uptake of ^{137}Cs in fresh water fish, 21:8753
  Total external and internal irradiation of reindeer-breeding Lapps, 24:4388
LIDER, K. F. Bound-exciton optical spectra in radiation damage in crystals, 21:2299
  Spectra of bound excitons and radiation defects in compounds A_2B_6, 23:51757
LIDGREN, Lars Hepatic injury following irradiation, 24:34736
LIDIARD, A. B. Diffusion of inert gases in ionic crystals, 24:14910
  Fundamentals of radiation damage in ceramics, 22:19677
  Gas bubbles in solids, 22:26045
  Migration of inert gases in ionic crystals, 23:7065
  Point defects in ceramics, 21:43673
  Point defects in solids, 22:24445
LIDIN, G. Research on controlled thermonuclear fusion in the Commissariat a l'Energie Atomique, 25:52765 (A/CONF.49/P-813)
LIDINGTON, Dallas E. Separation of small amounts of ^{229}Th from large quantities of ^{233}U, 23:45392
LIDMAN, W. G. Hot isostatic pressing of beryllium, 25:47094 (NMAB-272, pp 87-108)
LIDOFSKY, L. J. Age and fast effect for fission and 14-MeV neutron sources in Be and BeO, 25:5496
  Contrasts and similarities in systems based on large and on small computers, 24:14347 (EUR-4290, pp 11-26)
LIDOFSKY, Leon J. New neutron moments program and applications to BeO, 23:36783
  Programs and systems for on-line computers in low-energy nuclear physics, 22:28239
  Semi-analytical model for mathematical simulation of gamma-ray transport through shielding, 21:7323
  Spatial dependence of slowing-down times for 14.1-MeV neutrons in water, 21:40059
LIDORENKO, N. S. Structure of ZrO$_2$ with Sc additives, 23:48563
LIDOVA, Ludmila Radiation exposure of the hands from radionuclides in medicine, 25:49197
LIDSKY, L. M. Diffusion resulting from nonadiabatic scattering on a helically perturbed field in a torus, 25:30466
  Directional Langmuir probe, 24:51626
  Fission—fusion symbiosis: general considerations and a specific example, 25:25148
  High-power windowless gas target, 21:38113
  Resonant and near-resonant wave—particle interactions in a transverse plasma wave, 22:34660 (TID-24491, pp 183-92)
  Strong turbulence theory for a transverse electromagnetic wave: comparison with the single-particle calculation, 22:46146 (TID-24666, pp 145-56)
  Velocity diffusion in resonantly perturbed magnetic field, 24:28294
  Wave—particle interactions in counterstreaming electron beams, 24:15305
LIDSKY, Lawrence M. Ion acoustic wave propagation near the ion cyclotron frequency, 24:21837
LIDSTER, P. C. Application of thoria yttria electrolytes, 24:1030
LIE, A. S. Levels of ^{33}Cl studied by proton capture in ^{32}S, 23:13228
LIE, Andreas Film dosimetry: an investigation with gamma rays using two types of films, 21:22179
LIE, H. P. Bell-Rutgers data highway system, 24:39402
  Conjugate geomagnetic studies near the plasmapause, 25:58898
  Implantation perturbed angular correlation studies on ^{238}U in Fe, 24:49882
  Improved control system for Van de Graaff accelerators, 21:38013
  Modular data highway systems, 24:7676 (CONF-690301-, pp 394-412)
  Position sensitive particle detection by means of multiple diode arrays, 24:39304
LIE, Pao-hsing Measurements of ^{238}U, ^{235}U, and ^{237}Np content in cylindrical ionization chambers, 22:14807
LIE, S. Application of weak coupling model to negative-parity states of A = 15 nuclei, 25:45940
  Positive parity states of A = 15 nuclei, 25:17980
LIE, T. J. Kinetic theory of plasmas, 21:20944 (NP-16644)
LIE, T. N. Current-sheet velocity in a coaxial plasma accelerator, 24:32828
  Detection of highly stripped heavy ions in a low-pressure linear pinch device, 25:27678 (WASH-1159, pp 172-83)
  Local thermal equilibrium assumption in shock tubes, 24:49133
  Plasma state in a coaxial accelerator, 21:39996
  Preionization phenomena in pulsed plasma accelerator, 22:1253 (LA-3770, Paper E5)
  Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/1/66—2/28/67, 21:37418 (N-67-19949)
  Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/67—2/68, 23:16780 (N-68-34518)
  Prog. rpt. on diagnostics of accelerating plasma, semiannual, 3—8/68, 23:27610 (N-69-15312)
  Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/68—2/69, 24:8437 (N-69-38697)
  X radiation from optical and inner-shell transitions in a highly ionized dense plasma, 25:17162
LIE, Tae-Journ Plasma virial and equations of state for a plasma, 22:44151
  Quantum kinetic theory of a homogeneous system of charged particles, 25:17176
LIE, Ulf Benthic infauna communities off coast of Washington and in Puget Sound, 24:36122 (RLO-1725-174)
LIE, Y. T. Relaxation of ion pressure anisotropy, 23:32380
LIEB, D. Output characteristics of a vapor-deposited tungsten emitter and a molybdenum collector, 24:10405 (TEE-3874-2)
  Performance of a thermionic converter with a nominal single-crystal 110 tungsten emitter and a niobium collector, 24:31538 (TEE-3874-8)
  Prog. rpt. on optimum electrode cavities for thermionic energy converters, 8/1/64—7/31/66, 21:14999 (AD-641432)
  Prog. rpt. on thermionic conversion, final, 9/66—9/67, 23:36552 (N-69-23384)
  Prog. rpt. on thermionic research, 3—6/68, 23:20738 (N-68-31492)
  Prog. rpt. on thermionic research, 9/25—12/25/65, 21:648 (N-66-23773)
  Prog. rpt. on thermionic research, final, 6/65-6/66, 21:18489 (N-67-13216)
  Thermal flux in a research parametric converter, 23:46337 (TEE-3874-7)
  Thermal flux in a research parametric converter, 24:3218 (TEE-3874-6)
  Thermionic performance of CVD tungsten emitters, 25:58839 (TEE-4125-5)
  Thermionic performance of fluoride CVD W—Nb converter, 25:4993 (TEE-4125-1)
LIEB, D. F. Radioisotopic tracer study of carbon formation in ethanol—air diffusion flames, 24:46817
LIEB, D. P. Performance of chemically vapor-deposited tungsten emitters in thermionic converters, 24:28141 (N-70-20418)
LIEB, Elliott H. Delta-function Fermi gas with two-spin deviates, 21:40135
LIEB, J. Prompt gamma rays from π-bombardment of ^{12}C, 24:52444
LIEB, K. P. Decay of the 11.80 MeV isobaric analog resonance in ^{93}Tc, 23:5910
  E2 transitions in doubly even sd-shell nuclei, 23:21327
  Electric quadrupole transitions in ^{42}Ca, 23:10981
  Isobaric analog resonances in ^{92}Zr(p,p'), 24:24577
  Isobaric-analog study of ^{90}Zr, 23:7300
  Lifetime measurements in ^{14}N, 21:19176
  Lifetime measurements in ^{30}Si, 21:31744
  Lifetime measurements in ^{38}Ar, 22:11931
  Lifetimes of first excited states in ^{21}Ne and ^{21}Na, 22:29900
  Neutron decay of isobaric analog resonances in ^{90}Zr, 24:13375
  Particle-gamma coincidence measurements, 24:52582
  Reaction ^{92}Mo(p,p'γ) via isobaric analog resonances, 24:6945
  Resonance in ^{16}O + ^{3}He reactions at 5.05-MeV bombarding energy, 21:25453
  Spin determination for resonances decaying to excited J = 0 states, 23:42937
  States (4.88 and 5.36 MeV) in ^{38}Ar, 22:3678
  Weak-coupling states in odd Zr isotopes, 25:1750
LIEB, Klaus Peter Analog resonances in inelastic proton channels, 24:35866
LIEB, Klaus-Peter Proton decay of analog resonances in ^{93}Nb, 25:12564
LIEBBRANDT, Pierre Mounting a booting, 24:27291
LIEBECQ, C. Metabolic effects of some radioprotectors, 21:16383
  Reactivity and metabolic action of thiols and disulfides in radioprotective characteristics, 24:34393
LIEBECQ, Claude Blood redox potentials of rats and mice injected with cystamine, 25:4593
LIEBECQ-HUTTER, S. Incorporation of tritiated thymidine into irradiated chick embryo, 24:51056
  Priming inability of DNA in chick fibroblasts fixed after irradiation, 22:45427
LIEBEL, Jane Radiation-induced mutation rate for sex-linked recessive lethals in mice, 23:45693 (ANL-7535, pp 17-19)
LIEBEN, Jan How a state health agency prevents occupational disease, 21:22451
LIEBENAUER, Paul Henry Deuteron induced reactions on ^{13}C, 25:17731
LIEBENBERG, C. J. Accurate silicate analysis based on separation by ion-exchange chromatography, 25:19
  Quantitative separation of alkali metals by cation-exchange chromatography, 23:4737
LIEBENBERG, D. H. Initial warmup of 500,000-gallon liquid H dewar, 21:30320 (LA-3661)
  Potential-probe dissipation measurements in a flowing superfluid helium film, 25:58925
  Shear strength of soft-soldered brass joints as a function of age and temperature history, 21:26124 (LA-3658)
  Thermally driven superfluid-helium film flow, 25:33165
  Thin-film superconductors as sensitive thermometers, 24:45197
LIEBENSCHUETZ, H. W. Perfusion lung scintigraphy in primary vascular pulmonary hypertension, 25:55284
LIEBER, Albert J. Average charge detector for mass spectrometers, 21:349
  Detection efficiency of a continuous channel electron multiplier for positive ions, 21:43249
  Directional neutron spectrometer, 21:32448
LIEBER, C. O. Effectiveness of ceramic armor plating, 25:37256 (UCRL-Trans-10530)
  Estimating shock pressures in collisions between two bodies, 25:37257 (UCRL-Trans-10531)
LIEBER, Michael O(4) symmetry of hydrogen atom and Lamb shift, 23:3271
LIEBER, Sidney U. Portable beta backscatter type measuring instrument, 24:16906
  Workpiece support and mask assemblies for radiation backscatter measuring instruments, 23:14062
LIEBERMAN, A. Atmospheric particle penetration through high-efficiency filters, 25:21273 (CONF-700816-(Vol.2), pp 751-65)
LIEBERMAN, Aaron Prog. rpt. on electrical structure in near earth region, final, 7/68—10/69, 24:32723 (AD-700804)
LIEBERMAN, Albert R. High temperature thermal control foil shutter, 24:44198
LIEBERMAN, D. S. Diffusivity and isotope-effect measurements in equiatomic Fe—Co, 25:4761
  Phase transformations in near equiatomic Ta—Ru alloys, 25:13708
LIEBERMAN, David S. Martensitic transformations in ferrous and non-ferrous systems: some heuristic comparisons, 25:3938 (COO-1198-753)
LIEBERMAN, E. M. Action of ultraviolet radiations in crab nerve fibers. II, 22:23436
  Action of ultraviolet radiations in crab nerve fibers. I, 22:23440
  Action of ultraviolet radiations in crab nerve fibers. III, 22:23437
LIEBERMAN, Edward M. Ultraviolet radiation effects on isolated nerve fibers, 25:57939
LIEBERMAN, Edward Marvin Structural and functional sites of action of ultraviolet radiation in crab nerve fibers, 21:20106
LIEBERMAN, Ephraim Production of high purity radioactive isotopes, 22:35857
  Production of high-purity radioactive isotopes, 23:4735
LIEBERMAN, Joseph A. Ecological standards, energy needs, and emission characteristics, 25:39811
  Environmental monitoring and surveillance, 25:23209
  Environmental problems and nuclear chemical engineering, 25:49123
  Environmental surveillance around nuclear power reactors, 24:44514
  Waste management and environmental aspects of nuclear power, 21:32351
LIEBERMAN, K. W. Cadmium determination by neutron activation analysis, 24:11477
  Determination of Br in stony meteorites by neutron activation, 22:8947
LIEBERMAN, Kenneth Warren Determination of bromine by neutron-activation analysis, 24:16477
LIEBERMAN, L. M. Tissue distribution of ^{125}I-iodopropamide in the dog, 25:24032
LIEBERMAN, Lionel M. ^{125}I-labeled chloroquine analog in the diagnosis of ocular melanomas, 25:49243
  Diagnostic efficacy of a radioiodinated chloroquine analog in patients with malignant melanoma, 24:41923
  Pancreatic concentration of ^{125}I-labeled phenylalanine, 24:11920
  Radiolabeled cholesterol as an adrenal scanning agent, 25:26845
  Scintillation scanning of malignant melanomas with radioiodinated quinoline derivatives, 23:38639
  Treatment doses of ^{131}I-labeled chloroquine analog in normal and malignant melanoma dogs, 25:26882
  Visualization of human adrenal glands in vivo by scintillation scanning, 25:24263
LIEBERMAN, M. A. Diagnostics for hot-electron, magnetically confined plasmas, 25:30489
  Plasma density measurement by cavity perturbation in high density plasma, 23:48882
  Solution of Fokker—Planck equation for mirror-confined, hot-electron plasmas, 24:17932
  Use of a neutral helium beam in plasma diagnostics, 23:42236 (UCRL-50638)
  Verification of classical, self-consistent theory of particle loss in hot electron, magnetic mirror compression experiment, 25:30465
LIEBERMAN, M. L. Reactively sputtered oxide films, 23:14386
LIEBERMAN, Michael W. Probable role for protein synthesis in intestinal epithelial cell damage induced in vivo by cytosine arabinoside, nitrogen mustard, or x-irradiation, 24:39564
LIEBERMAN, Miriam Lymphoid tumor induction by mouse thymocytes, 21:14733
  Replication of type C virus particles in thymus grafts of C57BL mice inoculated with radiation leukemia virus, 22:23633
LIEBERMAN, Morton L. Effect of gases on particle emission during the heating of graphite, 25:49540
LIEBERMAN, P. Experiments and analysis on the performance of crushable blast shields, 23:26490 (EUR-4101, pp 221-49)
  Performance of crushable blast shields, 21:16041 (IITRI-578-P-21-27)
LIEBERMAN, Paul Determination of equation-of-state of porous solids, 22:2316 (IITRI-578-P-21-22)
  Feasibility of measuring airborne debris in dust and hot gas environments, 24:29388 (AD-702523)
  Selection of equations-of-state for blast shield design, 21:23745 (IITRI-578-P-21-19)
LIEBERMAN, Peter Reactions of recoil C with saturated hydrocarbons and product yields, 22:12393
LIEBERMAN, R. Co-precipitation technique for alpha spectroscopic determination of U, Th, and Pu, 22:48839
  Gel for liquid scintillation counting based on bitolylene diisocyanate, 25:48920
  Improved radiobioassay of urine for tritium, 24:11898
LIEBERMAN, R. M. Decay heat generation and removal from fuel test bundles, 24:18787 (CONF-690910-, pp 446-65)
LIEBERMAN, Richard M. System for calculation of fission power in irradiation tests, 24:18758 (CONF-690910-, pp 473-90)
LIEBERMAN, Robert Biological half-life of tritium, 25:46707
  Investigation of tritiated luminous compounds, 25:49079 (NP-18974)
  Low-level counting by liquid scintillation. II, 24:33912
  Tritium body burden of children, 1967—1968, 24:34197
LIEBERMAN, Seymour Prog. rpt. on tritiation of protein hormones, annual, 1969—70, 24:39413 (CU-3835-2)
LIEBERMAN, Sidney Moses Asymptotic methods for the inverse scattering problem, 21:25357
LIEBERMANN, R. C. Small earthquakes and explosions in western North America, 24:11716
LIEBERMANN, Robert C. Comparison of P-wave spectra of underground explosions and earthquakes, 25:32098
LIEBEROTH, J. Monte Carlo technique to solve static eigenvalue problem of Boltzmann transport equation, 23:2110
  Uniform procedure for calculating fuel inventories and consumption rates of major power stations systems, 24:11201 (BMwF-FBK-69-27)

LIEBERT, James Detection of the galactic nucleus at one micron, 25:24824
LIEBERT, R. B. Methods of energy control during discharge of large electrostatic accelerators, 25:50296
LIEBERT, R. L. Treiman—Yang test for quasi-elastic scattering in ^{6}Li(p,p'd)^{4}He, 24:43167
LIEBES, Dorothy Antigenicity of irradiated and nonirradiated pheripheral nerve, 24:34168
  Irradiated experimental nerve heterografts pretreated with specific antiserum, 22:51364
LIEBICH, V. Electron temperature and density distribution of an argon plasma in inductive hydrodynamic shock wave tubes and their time dependence, 25:9418
LIEBICH, W. Composition of the ion beam emitted by a high-frequency ion source, 22:3580
  Influence of instabilities on the formation of the image by asymmetrically fed quadrupole systems, 22:26748
  Operating conditions of a quadrupole system, 22:13886
LIEBIG, W. Asymmetric feeding of a magnetic quadrupole lens, 22:13881
LIEBING, L. Probe to measure velocity distributions in the exhaust of steady state plasma accelerators, 22:36888 (N-68-16527)
  Pulsed charging of capacitors by means of exploding wires, 23:32490
LIEBING, Lotar F. C. Ion velocity distributions in low-density plasma beams, 22:46128
LIEBL, Helmut Ion microprobe mass analyzer, 22:8425
LIEBLEIN, Seymour Dimple, spall, and perforation characteristics in aluminum, columbium, and steel plates under hypervelocity impact, 21:9142 (N-66-28010)
  Material and geometry aspects of space radiators, 21:14401
LIEBLER, B. L. Inhibited (^{3}He,d) transitions to 3s/sub $^1/_2$/ isobaric analog states, 25:3666
LIEBLER, C. F. Universal motion device for use in ultrahigh vacuum, 22:33591
LIEBLIEN, Julius Generalized propagation of error using a new approach, 25:32172 (CONF-700541-, pp 190-211)
LIEBMAN, A. Electron spin resonance studies on neutral aromatic hydrocarbon radicals, 25:8252
LIEBMAN, Sumner D. Corneal xanthomas in childhood, 21:24482
LIEBMANN, B. HTR fuel and materials development in Germany, 24:50114 (CONF-700401-, pp 586-97)
  Production of fuel tubes for the HDR reactor, 21:5634
LIEBMANN, B. G. Preparation and performance of HTGR fuel in Germany, 25:6006
LIEBNER, Edwin Results of pre-operative radiotherapy for supraglottic larynx cancer, 22:45600
LIEBNER, Edwin J. Ataxia telangiectasia: neoplasia, untoward response to irradiation, and tuberous sclerosis, 22:51924
  Ultrastructure of canine alveoli after supervoltage irradiation of the thorax. I, 21:16494
LIEBOWITZ, B. Classical mechanics of finite precision and its relation to Schroedinger equations, 23:25551
  Model of the electron, 24:1539
LIEBOWITZ, Benjamin Significance of Aharonov—Bohm effect, 22:997
LIEBOWITZ, H. Effect of capillary action on fracture due to liquid metal embrittlement, 21:14847
  Fracture. An advanced treatise. III, 25:27170
LIEBSCHER, D.-E. Gravitation theory as theory of non-Lorentzian transformations of systems of reference, 25:43708
LIEBSCHER, Kurt Comparison of physical evidence by means of trace element analysis, 25:41775
  Quantitative interpretation of gamma-ray spectra, 23:68
LIEBSCHUTZ, A. M. Prog. rpt. on effects of radiation on monolithic microelectronic circuits, final, 5/65-7/66, 21:9256 (AD-642301)
LIEBSTER, J. Preparation of point sources of β-emitters for the irradiation of tissue cultures, 21:4586
LIED, Finn High frequency radio communications with emphasis on polar problems, 22:46039
LIEDER, R. M. Factor g of 184-keV state of ^{67}Zn, 22:5796
  Level crossing in hyperfine interactions studied by perturbed γ—γ angular correlations, 24:45377
  Nanosecond timing using a plastic scintillator in a cyclotron beam, 24:5369
  Nuclear spectroscopic investigations of decay ^{191}Hg → ^{191}Au, 24:38212 (JUL-659-KP)
  Study of hyperfine structure interactions in 1274-keV level of /sup 204m/Pb by $\gamma\gamma$ angular correlation measurements, 21:46772
LIEDER, Rainer M. Angular distribution of stretched E2 transitions, 24:13402
  Collective levels in $^{72\ 74\ 76\ 78}$Se, 25:10001
LIEDERBACH, F. J. Prediction of space radiation effects on transistors and solar cells, 21:40121
LIEDLER, R. Vector magnetograph of the Fraunhofer Institut, 23:32101
LIEDORP, J. Fast beam quality measuring device, 25:50507
LIEDTKE, A. Safety problems in the Julietta capacitor bank, 22:46109 (JUL-540-PP)
LIEFFERING, H. Bibliography on infrared, 21:14953 (TDCK-44741)
LIEGER, P. F. Trough of electron density occurring at middle latitudes in winter, 24:17829
LIEGL, Otmar Sequelae of an excessive radiation dose to the neck, 22:8632
LIEGNER, Leonard M. Dose verification studies in radium therapy of carcinoma of the cervix, 21:34666
  Major urologic complications following radium and x-ray therapy for carcinoma of the cervix, 23:940
LIEHL, Hermann J. Analytic continuation of Regge-pole residue function, 24:37965
  Complete unitary representation for residue function β, 24:18183
LIEHR, H. Late damage from Thorotrast. XLIII, 24:2828
LIEH VET PIN Luminescence of phosphor SiO_2—Na_2SO_4—Gd and utilization for determination of microquantities of gadolinium, 23:40554
LIELAUSIS, O. A. Experimental observation of electromotive force alongside of an external magnetic field induced by flow of liquid metal (α effect), 22:41422
  Hydrodynamics of liquid metal magnetohydrodynamic devices, 22:31677
LIELPETER, Ya. Ya. Calculation of core teeth geometry of 3-phase induction MHD machine, 22:5183
  Liquid-metal MHD induction machines, 25:35929
  Mercury flow under influence of traveling magnetic field, 22:9170
  Structure of magnetic field in working gap of linear MHD machine, 21:35058
LIEM, Djiet Hay Complex formation between neutral organophosphorus compounds and di-alkylphosphoric acids, 22:6401
  Distribution of mixed complexes between HDBP and TBP, TOPO in hexane and carbon tetrachloride, 22:47216
  Synergistic effect in extraction of ^{233}U(VI) by HDBP in presence of TBP, TOPO in hexane and carbon tetrachloride, 22:47217
LIEMOHN, H. B. Algebraic solutions of cyclotron resonance interaction, 25:17221 (D-1-82-1010)
  Cyclotron resonance amplification of whistlers in the magnetosphere, 24:37358
  ELF propagation and emission in magnetosphere, 24:17745 (AD-696292)
  ELF propagation and emission in the magnetosphere, 24:5043 (D-1-82-890(Rev.))
  Magnetospheric parameters determined from structured micropulsations, 22:34365 (D-1-82-0691)
  Magnetospheric parameters determined from structured micropulsations, 23:1291
  Proton densities in the magnetosphere from pearl dispersion measurements, 21:41913
  Some algebraic solutions of the cyclotron resonance interaction, 25:43403 (AD-715636)
  Whistler dispersion and amplification in the magnetosphere, 23:42038
LIEMOHN, Harold B. Cyclotron resonance amplification of whistlers in the magnetosphere, 22:43980 (D-1-82-0713)
  Cyclotron-resonance amplification of VLF and ULF whistlers, 21:11517
LIEN, George E. Behavior of superheater alloys in high temperature, high pressure steam, 22:23710
LIEN, Hwachii Quasi-one-dimensional, nonequilibrium gas dynamics of partially ionized two-temperature argon, 21:42088
  Two-phase seeding in low-density plasma flow, 25:36116
LIEN, J. R. Energy-level structure of ^{131}Te from ^{130}Te(d,p)^{131}Te reaction, 21:44681
  Nuclear structure studies in Te isotopes, 23:4026
  Nuclear structure studies in Te isotopes: ^{124}Te(d,p)^{125}Te reaction, 24:3939
  Nuclear structure studies in the Te isotopes: ^{125}Te(d,p)^{126}Te reaction, 25:17890
  One-phonon vibrational state of ^{130}Te, 22:35310
  Reaction (^{128}Te(d,p)^{129}Te) at 7.5 MeV bombarding energy, 22:3732
  Reaction ^{31}P(^{3}He,p)^{33}S, 25:34059
  Study of ^{32}S levels and analogue levels of ^{32}P by ^{31}P(^{3}He,d)^{32}S reaction, 23:3985
  Study of ^{35}Cl levels by ^{34}S(^{3}He,d)^{35}Cl reaction, 24:3898
LIEN, Neil C. Hoop levator design for a plasma octupole, 24:24026 (LA-4250, pp A1.1-6)
LIEN, Pham Dihn Study of elastic and inelastic scattering of 14-MeV neutrons by ^{6}Li, ^{7}Li, and ^{9}Be nuclei, 21:4230
LIEN, S. Y. Electrical resistivity of liquid metals: constant pressure, 21:20488 (COO-841-6)
LIENARD, G. Analysis of hydrocarbon—deuterium mixtures, 24:5592
  Catalytic activity of metals and the surface states, 24:16535
  Correlation between catalytic activity of metallic films and chemisorbed radicals on their surface, 23:13707
LIENGME, Bernard V. Hydrogen held by solids. II, 21:8258
LIENHARD, Gustav E. Mechanisms of thiamine-catalyzed reactions. A kinetic analysis of the decarboxylation of pyruvate by 3,4-dimethylthiazolium ion in water and ethanol, 24:46237
LIENING, H. Hyperfine structure of 6s6p^{3}P$_1$ state of ^{171}Yb and ^{173}Yb, 23:51374
LIEPELT, H. Fabrication and densification of powders by acceleration with high-energy pulses, 24:27745
  Phenomena occurring during compaction of ceramic powders, 24:2998
LIEPIN'SH, A. K. Asymptotic behavior of the wave function of ionization processes at zero energy, 23:27369
  Total cross-section calculation of Li atom ionization by slow electrons, 24:35157
LIEPMANN, Hans W. Local boiling and cavitation in heat-induced counterflow of He II, 23:39441
LIER, D. W. Comparison of detectors used in measurement of 10 to 300 keV x-ray spectra, 25:15900
LIER, Douglas W. Bremsstrahlung emission measurement from thick tungsten targets in energy range 12 to 300 kV, 25:36249 (LA-4624)
  X-ray spectral distributions from thick W targets in energy range 12 to 300 kV, 25:45521 (LA-DC-12468)
LIERMANN, J. Electrical device for aligning fuel cartridges in a channel of a nuclear reactor, 22:10094
LIERS, H. S. Cross sections and polarizations for protons scattered from ^{40}Ca between 6.0 and 12.7 MeV, 25:48064
  Elastic scattering of protons by Ni and Zn, 24:52524
  Energy dependence of cross sections and polarizations measured in proton elastic scattering from ^{40}Ca between 6 and 13 MeV, 25:53711
  Vector analyzing power for ^{208}Pb(d,t)^{207}Pb, 25:17911
LIERS, Henry Soehlke Elastic scattering of 39.6-MeV protons by the nickel isotopes, 25:3598
LIERSE, W. Carbohydrates in guinea pig brain after irradiation with fast electrons, 23:31955
  Effect of ionizing radiation on guinea-pig retina, 23:20371
  Glial cells and myelinization in rat brain after x irradiation, 22:4693
  Guinea pig brain after 17-MeV beta irradiation, 23:50362
  Reaction of neurosecretory hypothalamo—hypophyseal complex in guinea pig following x irradiation, 23:29796
  Ultrastructure changes in the brain of guinea pigs and rats during latent period of radiation reactions, 24:36710
LIERSE, Werner Activity of alkaline and acid phosphatase in ganglion cells following x radiation of guinea pig brain, 23:31957
  Early changes in the ultrastructure of the cerebellum of guinea pigs following ^{60}Co irradiation of the head, 21:20377
  Glycogen distribution in the retina of the guinea pig after x irradiation, 23:33642
  Histochemical and ultrastructural modifications in guinea pig brain, 21:45797
  Topochemical determination of glycogen and mucopolysaccharides in the brain of guinea pigs after telecobalt radiation, 23:26694
LIESCHKE, H.-J. Stability of the I-labeled toluidine-containing polyvinylpyrrolidine (PVP-T ^{131}I) according to Gordon and of ^{3}H-polyvinylpyrrolidine (^{3}H-PVP), 21:45704
LIESEM, H. Resonance free or precessional extraction, 25:31107
LIESER, K. H. Activation analysis of rare earths in nuclear reactor fuels, 24:33661
  Chemical reactions in neutron irradiation of ammonium sulfate, 23:37992
  Determination of K in Rb and Cs salts by activation analysis, 21:35886
  Formation of elementary sulfur in the neutron irradiation of ammonium sulfate, 21:3139
  Generator for /sup 137m/Ba, 23:38034
  Heterogeneous isotope exchange between iron and dissolved iron ions, 24:29249
  Heterogeneous isotope exchange between lead and dissolved lead ions, 24:50379
  Heterogeneous isotopic exchange in system CH_3*I/sub gas/NaI/sub solid/, 23:133
  Ionium and thorium balance in uranium mills, 25:31840
  Isomeric uranyl chelates with dithiolate ligands, 25:51427
  Isotope generators: new developments, improvements, testing of commercial generators, 25:46593 (EUR-4619)
  Kinetics of heterogeneous isotope exchange reactions, 25:20976
  Paper chromatographic separation during hydroxide precipitation, 21:4611
  Rapid column separations by means of a surface-sulfonated exchange resin, 25:227
  Rapid separation of /sup 137m/Ba from a column loaded with ^{137}Cs, 21:28072
  Separation of /sup 103m/Rh from ^{103}Pd in isotope generator, 24:33714
  Separation of cations in Ti hexacyanoferrate(II) columns, 21:30518
  Separation of decay products of a ^{224}Ra source as methyl compounds, 25:51547
  Separation of iodine from fission product solutions, 21:36095
  Separation of pure ^{223}F from ^{227}Ac on separation column, 21:25912
  Systematic investigations on the separation of ^{90}Sr/^{90}Y and of ^{140}Ba/^{140}La by use of Dowex-50 as ion exchanger and lactic acid as complex former, 21:17708
LIESER, Karl Heinrich Introduction to nuclear chemistry, 24:29314
  Isotope generators, 24:36514
  Radiochemical investigations of the corrosion of brass, 24:38833
LIESER, Karl-Heinrich Generator substance for producing radioactive /sup 137m/Ba, 25:57484
LIESMAA, Martii Rise in congenital anomalies of lacrimal passages in southern Finland since 1959. II, 21:28665
LIESS, G. Optimizing of image-producing systems and diagnostic methods in radiology, 24:36778
LIESSENS, J. L. Neutron activation analysis of traces in electrolytic zinc sulphate solution. IV, 23:24115
LIETTI, A. Lumped element line generators to produce pulsed sinusoidal oscillations in the gigawatt range, 22:42935 (LRP-37/68)
  Lumped element line generators to produce pulsed sinusoidal oscillations of very large power, 23:17839
  Numerical computation to design a rotating field pinch experiment, 24:40120 (LRP-44/70)
  Radio frequency pulse generators to produce a 1.8 kG rotating field in a plasma, 22:28225
  Rotating magnetic field pinch, 21:37444 (IRP-31/67)
LIETTI, B. Second harmonic of the cosmic-ray daily variation, 23:3312
LIETZ, G. T(d Vector,n)^{4}He reaction with polarized deuterons at energies above 107-keV resonance, 25:59705
LIETZ, J. T(d Vector,n)^{4}He-reaction below 1 MeV, 25:53557
LIETZKE, A. F. Exploring in aerospace rocketry. XIX, 22:39865 (N-68-19830)
  Large-area high-current ion source, 25:56212 (LBL-35)
  Materials technology program for the compact fast reactor for space power, 25:40035
  Nuclear reactor core for a rocket, 22:35574
LIETZKE, Armin F. Analysis of cylindrical reactor fuel pin for clad stress caused by fission gases, 23:43174 (N-69-24802)

  Reactor fuel element for a nuclear rocket motor, 22:42349
  Simplified analysis of nuclear fuel pin swelling, 24:27757 (N-70-16239)
LIETZKE, M. H. Comparison of several different models for fitting data on the solubility of silver sulfate in aqueous solutions containing various supporting electrolytes, 23:6050 (ORNL-4325)
LIEURANCE, F. L. Application of ionizing radiation to the treatment of waste waters and sewage sludge, 24:9976 (GA-9632)
LIEUTAND, R. Radiosarcomas of bone, 24:12316
LIEUX, J. Darryl Radiation testing of linear microcircuits, 21:30763 (NP-16719)
LIEVENS, F. Analytical investigation of pure and additive containing monocarbides of uranium, 24:4225
  Analytical problems in nuclear energy, 23:34992
LIEVRE, P. Nuclear energy in water desalting, 23:26102
LIEVRE, Paul Factors and uncertainties in the profitability of using nuclear energy in desalination of water, 23:43227 (CEA-R-3837)
LIEW, C. C. Incorporation of ^{32}P into nucleotides of heart muscle, 24:48386
LIEWER, K. W. Experiments using 25 kw hollow cathode lithium vapor MPD arc jet, 23:30538 (LA-DC-9850)
  Experiments using a 25-kw hollow-cathode lithium vapor MPD arcjet, 24:30327
LIEWER, P. C. Ion heating in a high voltage theta pinch, 25:38385 (CONF-710607-124)
LIEWER, Paulett C. Low-frequency instabilities in magnetic pulses, 25:59069
LIEWERS, P. Reactivity and pseudo-reactivity perturbations in various configurations of the Rossendorf annular core reactor. I, 24:24889
LIFFENGREN, D. J. Effect of fuel rod failure on emergency core cooling system design for BWR's, 24:33375
  Effect of fuel rod failure on emergency core cooling system design for BWR's, 24:38557 (CONF-700608-14)
  Effect of fuel rod failure on emergency core cooling system design for boiling water reactors, 25:41440
  Effects of cladding temperature and materials on ECCS performance, 24:38562 (NEDO-10179)
  Effects of fuel rod failure on ECCS performance, 24:50128 (NEDO-10208)
LIFOROV, V. G. Double spectrometer of slow neutrons DIN-1, 23:22056 (FEI-129)
LIFSCHYTZ, E. Fine structure analysis of chromosome segment in Drosophila melanogaster, 23:6423
LIFSCHYTZ, Eliezer Fine structure analysis of a chromosome segment in Drosophila, 23:31713
  Genetic analysis of the killer-prune, 23:48028
  Localization of lethals in Drosophila, 22:40911
  Screening of rare events in genes of Drosophila, 23:48027
LIFSHIN, E. Particle track studies of lunar material, 24:21541
  Schenectady meteorite, 25:796
  Structures, faults, and the rod-plate transition in eutectics, 25:16530
LIFSHITS, E. F. Measurement of the time behavior of temperature in a plasma—beam discharge, 23:32403
LIFSHITS, E. M. Asymptotic analysis of oscillatory mode of approach to a singularity in homogeneous cosmological models, 24:44951
  Electron gas in a magnetic field, 21:31427 (NASA-TT-F-479)
  Field theory, 23:5197
  Oscillatory mode of approach to a singularity in homogeneous cosmological models with rotating axes, 25:52591
  Relativistic quantum theory. I, 23:21017
  Vibrational regime of approach to a specific point in relativistic cosmology, 25:45285
LIFSHITS, E. V. Doppler broadening of spectral lines in plasma, 23:39451
  Effect of external hf modulation of the electron beam on energy and temperature of accelerated plasma electrons at beam instability, 23:34417
  Intensity of high-frequency stochastic electric fields in a plasma, 22:11419
  Measurement of high-frequency field strength in plasma via stark effect. II, 23:20890 (UCRL-Trans-1388)
  Stark effect in high-frequency stochastic fields in a plasma, 21:46326
  Use light emission of plasma to investigate oscillations, 24:35395
LIFSHITS, I. M. Asymptotic analysis of oscillatory mode of approach to a singularity in homogeneous cosmological models, 24:44951
  Theory of fluctuation levels in disordered systems, 21:44093
LIFSHITZ, Assa Further studies on the homogeneous exchange reaction H_2+D_2, 22:68
  Homogeneous exchange reaction: $CD_4 + CH_4 \rightarrow CD_3H + CH_3D$. Single pulse shock tube studies, 24:33694
  Isotope exchange rates. V, 22:47128
  Kinetics of homogeneous exchange reaction $^{12}C^{18}O + {}^{13}C^{16}O$ reversible $^{13}C^{18}O + {}^{12}C^{16}O$, 23:45274
  Kinetics of the homogeneous exchange reaction: $^{14}\,{}^{14}N_2 + {}^{15}\,{}^{15}N_2$ reversible 2 $^{14}\,{}^{15}N_2$, 22:4120
LIFSHITZ, C. Isotope effects on metastable transitions. III, 23:31332
LIFSHITZ, Chava Isotope effects on metastable transitions: C_3H_8 and C_3D_8, 21:3070
  Isotope effects on metastable transitions. II, 21:35959
  Isotope effects on metastable transitions. IV, 24:13868
  Radiation chemistry of benzene, 23:49864
LIFSHITZ, E. M. Cosmological solution of the gravitational equations, 24:10837
  Oscillatory approach to a singular point in the relativistic cosmology, 25:9877
  Oscillatory approach to singular point in the open cosmological model, 24:28066
  Relativistic quantum theory, 25:43086
  Solution of the gravitational equations, 24:1258
  Statistical Physics, 23:42527
LIFSHITZ, I. M. Dynamics of a crystal lattice with defects, 21:18825
LIFTON, Judith F. Fate of ^{13}N formed by ^{12}C(d,n)^{13}N reaction in inorganic carbides, 25:41886
LIGENSA, Rainer Dynamic collective theory of the quadrupole giant resonance in deformed nuclei, 21:10112
  Ion—ion potentials and the compressibility of nuclear matter, 23:4080
  Nucleon escape widths of the giant dipole resonances in spherical nuclei, 23:13236
LIGENZA, Sylwester Effect of pile-neutron irradiation on Ge-diodes, 22:7071
  Investigations of internal magnetic and electric fields on Fe and Sn nuclei in the antiferromagnetic compound FeSn by Moessbauer effect and neutron diffraction, 25:41643 (INR-1290)
LIGEON, E. Excited levels of ^{33}S obtained by reactions ^{31}P(p,α_0) and ^{31}P(p,p), 22:20516
  Mechanism of ^{9}Be(p,p)^{9}Be and ^{9}Be(p,α_0)^{6}Li reactions at low energy, 25:17765
  Mechanisms of nuclear ^{9}Be(p,p)^{9}Be and ^{9}Be(p,α_0)^{6}Li at low energies, 24:38097 (CEA-CONF-1499)
  Study of reactions ^{6}Li(d,α), (d,p_0), and (d,p_1) and ^{10}B(d,α_0), (d,α_1) at low energy, 21:25446
LIGEON, Emile Application of ^{18}O(p,α)^{15}N reaction to study of self-diffusion of oxygen in uranium dioxide, 25:11486 (CEA-R-4095)
  Semi-conductor spectrometers for high counting rates, 23:671 (CEA-R-3415)
LIGGETT, G. Angular distribution of particles evaporated in nuclear reactions, 25:31428
  Isomer ratio for (b,xn,yp,γ) reactions, 25:28502
LIGGETT, George Scott Isomer ratios following multiple particle emission, 25:23069
LIGGETT, L. Prog. rpt. on electrochemical meter for measurement of hydrogen in sodium, 10—12/68, 23:40538 (PB-183567)
LIGGETT, S. L. Spectrotitration of ethane-1-hydroxy-1,1-diphosphonic acid (EHDP) with thorium diaminocyclohexanetetra-acetate, 25:10462
LIGHT, J. C. Inelastic molecular collisions, 22:43892
  Isotopic distributions in exothermic ion—molecule reactions, 23:43293
  Quantum calculations of collinear reactive triatomic systems. II, 25:16813
LIGHT, James M. Effect of dietary Na alginate on radiostrontium absorption, 24:23096
  Effects of sodium alginate on radiostrontium retention, 24:27515
LIGHT, James Melvin Radiostrontium absorption and retention in rat, 23:50289
LIGHT, John C. Exponential solution of the Schroedinger equation, 23:22913
LIGHT, John P. Radiotherapy of cancer of bladder, 22:2553
LIGHTBODY, D. Computer analysis of fission data, 25:5790
LIGHTBODY, D. B. Reactions ^{89}Y(p,n)^{89}Zr and ^{88}Sr(p,n)^{88}Y, 21:13832
LIGHTBODY, David ISIS: program for computerized fission data analysis, 25:59773 (AD-721481)
LIGHTBODY, J. W. Electroexcitation of the low-lying states of ^{16}O, 24:20330
LIGHTBODY, J. W. Jr. Elastic scattering of 60 to 120 MeV electrons from $^{46}\,{}^{48}\,{}^{50}$Ti, 25:56701
  Electroexcitation of ^{12}C giant resonance, 24:20334
  Electron scattering sum rule for ^{12}C, 25:7809
  Semiconductor counter system (12-channel) for NBS electron scattering spectrometer, 22:40446
LIGHTBODY, John Wesley Jr. Electroexcitation of ^{12}C giant resonance, 25:33991
LIGHTFOOD, R. P. Measured effects of various combinations of nuclear radiation, vacuum, and cryotemperatures on aerospace adhesives, 22:11105
LIGHTFOOT, B. Resolvance with foil-excited beam source and scanning monochromator, 25:15976
LIGHTFOOT, R. Pat Effect of environmental hydrogen pressure on the hydrogen yield from x-irradiated polyethylenes, 21:21980
LIGHTHILL, Ruth Analytical approximations for total pair-production cross sections, 23:5557 (SC-RR-68-619)
  Analytical approximations for x-ray cross sections, 21:18410 (SC-RR-66-452)
LIGHTMAN, A. P. Alpha and beta stability of superheavy nuclei, 24:15954
LIGHTNER, David A. Hydrogen rearrangements in the mass spectra of alkylbenzenes, 25:29068
LIGHTNER, G. S. Mass and charge dependent ion discrimination in a linear pulsed time-of-flight mass spectrometer, 25:42211
  Multiple ionization of Ne, Ar, and Kr by x rays, 25:43142
LIGHTNER, Ralph G. Absorption of hydrogen in porous beds of zirconium hydride, 21:6764
LIGHTNER, Ralph Gabriel Hydrogen transport into porous beds of zirconium hydride as a mechanism of nuclear reactor control, 22:16331
LIGHTOWLERS, E. C. Symmetry properties of absorption center in electron-irradiated diamond, 24:28405
LIGHTSEY, M. B. Characteristic equations for a supersonic flow problem with magnetohydrodynamic effects, 21:41873 (AD-645107)
LIGHTSTONE, J. B. Atomistics of oxidation, 23:32017
  Effect of structure on the mechanism of zirconium oxidation, 24:2881
  Point defects in some rare earth dihydrides, 22:24387 (CONF-670502-, pp 132-44)
LIGHTSTONE, John B. Oxygen transport during oxidation, 22:52239
LIGONNIERE, G. Demountable spark chamber with thin foils, 23:47759
LIGONNIERE, M. Sidonie, the new electromagnetic isotope separator at Orsay. II, 24:39155
LIGOU, J. Comparison of heterogeneous and homogeneous methods used in calculations of ORGEL reactors, 23:23876 (EUR-4205)
  Integral equation of transport in one-dimensional cyclindrical geometry. I, 25:28145 (EIR-188)
  Integral transport equation in one-dimensional cylindrical geometry. II, 25:43771 (EIR-189)
  Reactivity calibrations by analog and digital methods, 23:9135
  Results of ESSOR zero-power experiments, 22:30330
LIHL, F. Carbido-thermic production of high-melting metal alloys, with special reference to titanium alloys, 25:32662
  Carbidothermic production of metals of the IVa, Va, and VIa groups and their alloys, 23:48371
  Carbidothermic production of metals of the IVa, Va, and VIa groups and their alloys, 24:4758
  Investigations of Sm—Co and Gd—Co systems, 24:51178
  Mechanism of formation and conversion of color centers in CsBr and CsCl crystals, 22:50229
  Use of neutron activation analysis for determination of impurities in pure copper, 21:1277
LIHL, Franz Carbidothermic production of metals of groups IVa, Va, and VIa, 23:16477
  Defects in Al and Al-alloys containing Be, Ni, Ti after deformation, 22:19560
  Prog. rpt. on rare earth—manganese alloys, final, 4/62—3/65, 21:34913 (AFML-TR-66-366)
LI HSUE, S. Y. Immunization of rhesus monkeys against schistosome infection, 23:50391
LII, P. K. Optical variations in quasars, 23:48659
  Optical variations of 3C 454.3, 23:18330
LII, Philip K. Quasars or blue stars, 25:24752
LIID'YA, G. G. Capture of holes by Tl^+ centers in KI:Tl, 22:5441
  Electron—hole component of the radioluminescence of alkali metal halide scintillators, 21:21061
  Photon multiplication in crystals and radioluminescence, 21:25211
LIIKALA, R. C. Analysis of plutonium fueled light water reactors, 21:19347 (BNWL-SA-926)
  Analysis of Pu-fueled assemblies, 23:37749
  Analysis of U fuel irradiated in Yankee reactor, 23:37442
  Effects of uncertainties in nuclear data on experimental and calculated reactor burnup, 22:20906 (BNWL-SA-1485)
  Methods used for burnup analyses, 21:27828 (BNWL-SA-1168)
  Physics survey calculations for a PuO_2—UO_2 fuel in idealized H_2O power reactors, 21:5603 (BNWL-305)
  Reactor physics data for utilization of Pu in power reactors, 22:37407 (BNWL-801)
  Results from USAEC plutonium utilization program conducted by Battelle-Northwest, 25:46263 (BNWL-SA-3865)
LIIMATAINEN, R. C. Photographic studies of UO_2 pellet fuel in water subjected to nuclear transients, 21:38733
LIIMATAINEN, Robert C. Thermal-reactor safety studies on UO_2 core fuel-pin clusters: transient meltdowns, 21:7967
  Transient irradiations of vibrationally compacted UO_2 fuel in TREAT, 21:8108
LIKAL'TER, A. A. Interaction of atoms with electrons or ions in a plasma, 23:16814
LIKENS, G. E. Background radiation in aquatic habitats in Alaska, 23:18007 (CONF-670503-, pp 319-28)
LIKHACHEV, A. I. Changes in the erythrocyte sedimentation rate of rabbits due to exposure of the central nervous system to a constant magnetic field, 25:6791
LIKHACHEV, M. A. Gradient of annual variation in ionization of F2 layer, 25:16975
  Longitudinal distribution of mean annual characteristic of F2-layer ionization, 25:2985
  Mean annual characteristic of state of ionization of F2 layer, 23:20786
LIKHACHEV, M. F. Magnetic spectrometer with two strong-focusing magnets for analysis of particles up to 6 GeV/c, 22:38072
  Structure in elastic backward π^+p-scattering, 21:7464 (JINR-P1-3008)
  Structure in π^+p elastic backward scattering, 21:17057
LIKHACHEV, N. V. Effect of radiation on immunity to Newcastle disease, 24:34156
LIKHACHEV, V. M. Detection and analysis of induced emission in argon pinch discharges, 23:32368 (NP-17892)
  Detection and investigation of stimulated emission in argon pinch discharge, 24:12798 (AEC-tr-7127)
  Emission of a direct self-constricted discharge in visible and ultraviolet regions. II, 21:18650
  Emission of a direct self-constricted discharge in visible and ultraviolet regions. I, 21:18651
  Feasibility of investigating a pinch discharge by using its intrinsic stimulated emission, 21:15138
  Plasma diagnostics in a pinch-discharge laser, 24:1389
  Uhf diagnostics of plasma jets, 21:20927
LIKHACHEV, V. N. Fermi-odd interactions, 22:34893
LIKHACHEV, Yu. I. Estimation of efficiency of fast reactor fuel element envelopes, 25:34353 (JPRS-53069, pp 204-14)
  Evaluation of the suitability of fast-reactor fuel-element cans, 25:48269
  Optimization of fast reactors taking thermal, strength, and physical characteristics into account, 23:52312 (JPRS-48331, pp 438-55)
  Stress-rupture strength and creep of fuel-element jackets for fast reactors, 23:52352 (JPRS-48331, pp 576-600)
  Swelling of fissile materials in nonuniform temperature and neutron fields, 23:48501
LIKHACHEV, Yu. P. Clinical picture of myelopathy developing after radiation therapy, 24:36845
LIKHACHEVA, N. A. Induced mutation in phage PHIX174 after uv-irradiation of host bacteria, 24:4603

Photoreactivation and uv reactivation of photochemical damages to bacteriophage PHI X174, 24:51107
LIKHAREV, K. K. Nonlinear microwave properties of superconducting thin films in the mixed state, 25:45414
Nonlinear microwave properties of thin superconducting films, 24:32767
Theory of Josephson detection, 24:17869
LIKHATCHEV, Yu. I. Carbide fuel elements, 25:52471 (A/CONF.49/P-707)
LIKHNER, D. Complex formation of natural uranium in the blood, 22:49208
Complex formation of natural uranium in the blood, 25:49077 (ANL-Trans-898)
Investigating the interaction of uranium with several biocomplexons, 25:49098 (ANL-Trans-899)
Investigation of the interaction of uranium with some biocomplexons, 23:38443
LIKHODED, A. K. Analysis of reactions $\pi + N \to \pi + \pi + N$ at T/sub π/ = 350/600 MeV, 23:3649
Determination of $\Delta T = 7/2$ transition in $K \to 3\pi$ decay, 25:25383 (IFVE-STF-70-14)
Determination of the degree of violation of the rule $\Delta T = 1/2$ in decay $K \to 3\pi$, 22:44385 (IFVE-STF-68-2-K)
Experimental data used to determine $\Delta T = {}^1/_2$ rule violation extent in $K \to 3\pi$, 22:48282
Triangular diagram in the decay $Y_0(1520) \to \Lambda\pi\pi$ and the determination of the pion scattering length, 22:29676
LIKHODED, L. Ya. Change of mutagenic effect of uv-radiation caused by incorporation of 5-bromouracil into bacterial DNA, 22:33787
DNA synthesis in strains of E. coli K12 HFR C and its slime-producing mutant following ultraviolet irradiation, 22:33727
Induction of mutations in bromouracil-containing Salmonella typhimurium exposed to ultraviolet light, 23:6427
Lethal and mutagenic effect of uv-irradiation on Escherichia coli, 22:45480
Mutagenesis induced by uv-irradiation in B. subtilis, 25:26729
Radiosensitivity of E. coli mutant, 22:33795
UV-induced mutagenesis in B. subtilis, 24:21124
Uv-induced mutagenesis in E. coli WP_2, 25:44793
Uv-induced mutagenesis in rec^--strains of E. coli K-12, 23:29451
LIKHODED, V. G. Mechanisms inducing the development of prophages and synthesis of colicin, 24:21076
UV induction of the synthesis of E1 colicin and the repair of UV damages in E. coli, 24:11933
Uv-inactivation of colicinogenic factor E1 incorporated into transducing particles of phage P22, 23:29910
LIKHODED, V. S. Biosynthesis of histones in irradiated animals, 25:44768
LIKHONINA, E. A. Methods for electrophoretic and chromatographic analysis of azo compounds. III, 25:18347
LI KHON SEB Statistical model of point two-zone reactor systems, 21:5701 (JINR-P-2828)
Statistical model of two-zone point reactor systems, 22:44916 (ANL-Trans-651)
LIKHOVETSKAYA, L. L. Remote results of colloidal radiogold treatment of patients with metastases of skin melanoma, 21:28529
LIKHTAREV, I. A. Absorbed doses in thyroid gland in multiple introduction of radioiodine, 24:5981
Estimation of mean radiation dose to population of USSR from global ^{137}Cs, 25:24131 (NP-18749)
Irradiation of population in USSR due to global Cs, 25:11073
Mean radiation dose to population of USSR from ^{137}Cs, 25:39858 (AEC-tr-7232, pp 76-103)
Radiation dosimetry of incorporated radioactive substances, 24:48549
Three- and four-component models of cesium metabolism in rats and human beings, 23:17893 (AEC-tr-7030, pp 119-30)
LIKHTENBAUM, L. L. Scanning and measuring device for the evaluation of photographs, 21:19916
Scanning measuring table, 21:19920
LIKHTENSHTEIN, V. E. Intensification of antiblastic action of quantum generators, 25:21887
LIKHTENSHTEIN, V. Kh. Confinement of dense turbulently heated plasma in Ogra-2T device, 25:38346 (CONF-710607-54)
Stabilization of the antisymmetrical mode of cyclotron instability of a low-density plasma in Ogra-2 with the aid of a feedback system, 24:40103
Suppression of cyclotron instability of rarefied plasma, 23:1497
LIKHTER, Ya. I. Bursts of vlf radiation, 23:10571
Detection of perturbations of geomagnetic field in the magnetosphere, 25:9346
Morphological characteristics of whistler spectra and ionization irregularities in topside ionosphere, 25:55997
Whistler characteristics in disturbed magnetic field of the magnetosphere, 23:20820
LIKHTMAN, E. P. Elastic e-d scattering and CP-invariance violation. II, 21:894 (JINR-P-2891)
Elastic ed-scattering and violation of CP-invariance. II, 21:21180
Extension of algebra of Poincare group generators and violation of P invariance, 25:43676
P and CP violation and fine structure of nuclear levels, 23:40098
LIKINS, R. C. Effect of carrier Ca level on metabolism of ^{45}Ca and ^{85}Sr in the rat, 22:25770
LIKTENSHTEIN, V. Kh. Feedback stabilization of the rarefied plasma cyclotron instability, 25:27776
LIKUSKI, Robert K. Relativistically interstreaming bounded plasma interactions, 23:18641 (AD-672283)
LIKUSSAR, W. Morpholine-N-dithiocarboxylic acid morpholinium as reagent in quantitative analysis. V, 22:42609
Morpholine-N-dithiocarboxylic acid morpholinium as reagent in quantitative analysis. VII, 23:47375
Oxazines in analysis. II, 24:7403
Ultraviolet spectrophotometric determination of gallium, 25:2100
LILAND, A. Scaling law for fast pion production by 20 to 70 GeV protons, 23:44598
LILEEVA, Yu. Ya. Investigation of the diffusion of hydrogen of hydrides of alloys, 25:29837
LILENFELD, H. V. Velocity corrections for total scattering cross sections, 25:58757
LILES, Barry Jerome Angular distribution of photoprotons from deuterium, 21:2620
LILEY, B. Nuclear particle detection system response analysis, 25:4928
Spacecraft configuration and operational tradeoffs for nuclear power sources, 25:6138
LILEY, B. S. Space charge effects in the Townsend—Huxley swarm technique, 22:973
Vacuum system of a toroidal plasma machine, 23:8574
LILEY, Bobby Comparison of 160-MeV proton-induced neutron and proton dose with a comprehensive experiment, 21:37528
Electron energy deposition, computations with an empirical analytic form, 23:36773
Optimal spatial distribution for mass shielding against ionizing nuclear radiation in space, 22:6075
Secondary-dose equivalent model and comparison of 160-MeV proton-induced neutron and proton dose, 21:40060
LILEY, P. E. Thermal conductivity of 46 gases at atmospheric pressure, 22:25348
Thermodynamic properties of dilute alkali metal plasmas, 22:26411
LILGA, Kenneth T. ENDOR study of irradiated histidine HCl, 21:17661
ENDOR study of x-irradiated single crystals of ice, 24:41355
Hydroxyl radicals in x-irradiated single crystals of ice, 23:35193
Magnetic resonance studies of the oxidation and reduction of organic molecules by ionizing radiations, 23:26271 (TID-25057)
Oxidation and reduction of organic molecules by ionizing radiations, 24:11611
LILHOLT, Hans Bibliography on dispersion-strengthened materials, 1965, 22:17117 (RISO-48(Suppl.3))
Matrix hardening in dispersion strengthened powder products, 25:55487
LILIE, J. Oxidation of unsaturated carbonyl compounds in aqueous solution, 24:31359
Pulse radiolysis and polarography, 25:51528
Pulse-radiolytic investigation of the acetoin radicals and diacetyl anions in aqueous solutions, 22:42753
LILIENFELD, Abraham Religion and ethnicity in leukemia, 24:42010
LILIENFELD, Abraham M. Epidemiological studies of the leukemogenic effects of radiation, 21:26582
Preconception, intrauterine, and postnatal irradiation as related to leukemia, 21:18103
LILIENFELD, Pedro Beta-absorption-impactor aerosol mass monitor, 25:18821
Coherent ion plasma oscillations in a dc corona discharge in rarefied air, 25:49934
System for large volume aerosol sampling in the stratosphere using electrostatic precipitation, 21:30547 (TID-23860)
LILIENFIELD, Lawrence S. Anuria produced by uranium nitrate, 22:28313
LILIENTHAL, H. E. UAl_2—Al instead of UAl_3—Al in fuel-element plates for advanced test-reactors, 23:36048
LILIU, M. Transfer reactions investigated at Orsay, 24:49736
LILJA, B. Detectors in studies of regional lung function by ^{133}Xe radiospirometry, 25:13520
Simplified mobile equipment for ^{133}Xe-radiospirometry, 25:13514
LILJA, I. A. Effect of nonlocality of nucleon—nucleon potential on the two-body sum rules, 25:14732 (NP-18648)
Effect of nonlocality of nucleon—nucleon potential on the two-body sum rules, 25:25818
Limits of validity of Siegert's theorem in nuclear photoabsorption, 25:12649
Limits of validity of Siegert's theorem in the nuclear photo-absorption, 25:15144 (NP-18618)
Notes on quantum mechanical sum rules, 25:12046 (NP-18619)
LILJEDAHL, S. O. Catabolism of albumin and gamma globulin after treatment with ionising radiation to the abdomen, 21:45722
LILJEDAHL, Sten-Otto Burns. IX, 23:26659
LILJEGREN, B. Thermal decomposition of calcium sulfate at low temperatures, 22:10165 (ORNL-tr-1679)
LILJEGREN, G. Internal fields for Cd in Gd metal, 24:26329
LILJEGREN, Goeran Internal field measurements in Ni and Fe by angular correlation method, 23:49002
LILJENZIN, J. O. Complex equilibria in molten salts and aqueous solutions, 24:39006
Complex formation between Np(IV) and acetylacetone, 24:25063
Complex formation between Pa(V) and acetylacetone, 22:6388
Complex formation between protactinium and acetylacetone, 21:8312
Solvent extraction studies by the AKUFVE method. III, 24:14038
Stability constants for Pa(V)—acetylacetone complexes, 25:2202
Stability constants of some actinide complexes. I, 23:9408
LILJENZIN, J.-O. Conference on solvent extraction chemistry, Goteburg, 8-9/66, 22:6385
LILL, G. Design characteristics of 300-MW(e) steam-cooled fast reactor prototype, 22:32905
Some physics aspects in the design of a carbide-fueled fast breeder, 24:7098
LILL, G. W. Kinetics of coupled thermal-fast spectrum power reactors, 21:40612
LILL, Joseph C. Radiation dosimetry for manned spaceflight, 21:36412
Radiation dosimetry on Gemini and Apollo missions, 22:16918
LILL, R. M. Radio frequency superconducting studies at ANL, 25:50315
LILLBERG, J. W. Data acquisition system for Scyllac device, 24:24032 (LA-4250, pp B3.1-7)
Spark chamber spectrometer with automatic vidicon readout, 21:16108 (CONF-660918-, pp 63-67)
LILLEHEI, C. Walton Measurement of coronary collateral blood flow, 24:6095
LILLEHEI, James P. Regional pulmonary function evaluation, 24:12197
Use of scintillation Anger camera and ^{133}Xe in chronic obstructive lung disease, 23:26833
LILLEHEI, Richard C. Xenon-133 myocardial blood flow determination, 23:29333
LILLER, W. Optical polarization of stars in neighborhood of CP 1919, 23:8397
Optical search for pulsations from pulsating radio source CP 1919, 22:34166
Search for optical source at position of Centaurus XR-3, 25:52544
LILLER, William Central depth of the lambda 6362 autoionization feature of neutral Ca in stellar spectra, 21:6929
Emission component of the Ca II K-line in late-type stars, 22:17229
Optical polarization of three quasi-stellar objects, 23:20611
Planetary nebulae, 22:49961
Search for stellar carbon dioxide, 22:52410
LILLESTOEL, E. Experimental results on anti pp $\to$ eta$\pi^+\pi^-$ and anti pp $\to X^0 \pi^+ \pi^-$ for annihilations at rest, 23:8730
Method to study events with two missing neutral particles, 25:3362
Omegaπ and $\pi\pi$ systems in anti pp annihilations at rest, 24:5245
Production of three pions in anti pp annihilations at rest, 22:39382
LILLESTOL, E. Experimental results on anti pp annihilations at 1.2 GeV/c with production of at least one K_1^0-meson, 21:40147
LILLETHUN, E. Diffraction-like structure in elastic proton—proton scattering at large momentum transfers, 22:32055
Nucleon reactions, 25:7679 (CONF-690608-, pp 167-87)
Search for long-lived heavy particles in cosmic-ray events at energies above several thousand GeV, 22:17862
Structure in the angular distribution of proton—proton scattering at large momentum transfers, 22:39249 (CERN-68-7(Vol.1), pp 580-94)
LILLEY, A. E. Detection and identification of recombination lines from H I region, 25:855
Detection of a new microwave spectral line, 21:33094
Detection of methyl alcohol in Sagittarius, 25:9060
Detection of microwave radiation from the ^{2}PI/sub 1/2/, J = 1/2 state of OH, 22:41183
Determinations of helium abundance from radiofrequency recombination lines, 23:36326
Electron temperatures of H II regions, 21:39757
Radio search for interstellar H_2^+, 24:12604
Tables of radio-frequency recombination lines, 22:47790
LILLEY, A. Edward Search for line emission from singly ionized hydrogen molecules, 22:52411
LILLEY, E. M. Compressions of isotopic lithium hydrides, 22:11504
Determination of acoustic velocities and dynamic elastic moduli in rocks under pressure, 24:9492 (UCRL-50750)
Electrical resistance of ytterbium as a function of temperature and pressure, 25:27867 (UCRL-51006)
Loading—unloading pressure: volume curves for rocks, 24:41477 (CONF-700101-(Vol.1), pp 89-109)
Loading—unloading PV curves for tuffs from Nevada Test Site, 23:24302 (UCRL-50554)
Phase diagram, compressibility and resistance of Am as a function of pressure, 22:41047
Pressure—volume equation of state of consolidated and fractured rocks to 40 kb, 24:36397
Pressure—volume properties of two Apollo 12 basalts, 25:23497 (UCRL-72851)
Pressure-volume relationships for tuffs and rhyolites from Nevada test site, 23:21809 (UCRL-50578)
Static PV curves of cracked and consolidated earth materials to 40 kilobars, 21:10492 (UCRL-14711)
LILLEY, J. Beam-bunching system for a tandem electrostatic accelerator using solid state circuitry, 22:37260
LILLEY, J. R. Charge code for space radiation shielding analysis, 24:28379 (AD-688852)
LILLEY, J. S. Alpha-particle reaction cross sections in ^{208}Pb, 24:43439
Alpha-particle scattering from ^{58}Ni and ^{54}Fe, 24:45768
Coulomb excitation of ^{209}Bi, 25:3674
Decay of isobaric analogue states in the lead region, 21:25521
Isospin conservation in the reaction $^{12}C(\alpha,d)^{14}N$, 21:19197
Real part of the alpha-nucleus potential, 25:43973
Single-proton states in ^{209}Bi corresponding to shell $82 < Z < 126$, 21:42633
Studies (d,^{3}He) on ^{90}Zr, ^{89}Y, and ^{88}Sr, 21:44629
Two-neutron-hole configurations in ^{206}Pb from isobaric analog measurements, 22:42035
LILLEY, John R. Effect of finite channel width on spectrum broadening due to pulse pileup, 21:36212
Optimum biasing functions applied to Monte Carlo calculations, 22:6147
LILLEY, S. A. Infrared spectrum of ^{6}Li hydroxide, 24:48087

- LILLEY, Tom Role of international cooperation in promoting the development of the peaceful uses of nuclear energy, 25:39212 (A/CONF.49/P-102)
- LILLEY, W. Gas sampling of fuel elements by laser piercing techniques, 23:33567
- LILLICRAP, D. C. Electron-beam rotational temperature measurements, 23:36523
- LILLICRAP, S. C. Dose reader using thermally stimulated exoelectron emission from lithium fluoride crystals, 24:27452
  - Effect of 5-bromouracil incorporation on energy transfer in irradiated DNA, 25:4542
  - Luminescence kinetics following pulse irradiation. II, 24:2221
  - Luminescence kinetics following pulse irradiation. IV, 24:9369
  - Luminescence kinetics of adenine, 23:47520
  - Luminescence spectrophotometer for powders excited by pulsed ionizing radiation, 21:36429
  - X-ray spectra from accelerators in range 2 to 6 MeV, 21:35374
- LILLIE, A. B. Programs in food and industrial irradiation, 22:23692 (AECL-2706, pp 50-9)
- LILLIE, A. F. Design, fabrication, and initial operation of EXP-WR1-951 fuel string, HWOCR, 21:40524 (AI-CE-44)
  - EXP-NRU-305 experiment design and irradiation, 21:42723 (AI-CE-43)
  - Free convection of Na—K eutectic in an enclosed space between two vertical plates with uniform heat flux, 21:1508 (NAA-SR-12004)
  - Thermal aspects of the FFTF Reactor Refueling System, 24:13593 (BNWL-1235)
- LILLIE, C. F. Search for diffuse galactic light, 23:34246
  - Ultraviolet photometry from the orbiting astronomical observatory. I, 24:42335
- LILLIE, Charles Frederick Empirical determination of the interstellar radiation field, 23:27247
- LILLIE, Richard A. Theoretical nuclear analysis of MH-1A: Cores 2 and 3, 25:60203 (AD-721019)
- LILLIEN, I. Steric factors in the cationic rearrangement of substituted cyclobutanes, 25:29049
- LILLIEQUIST, Carl G. Development of the Evershed motion in sunspots, 23:36384
  - Origin of Evershed motion in sunspots, 22:29144
  - Possible acceleration mechanism for a solar surge, 23:10397
- LILLY, D. L. Corrosion monitoring in oil wells with a radioactive specimen, 21:6319
- LILLY, Julius Quentin Analysis of bow shock structure at a stagnation point subjected to external radiation, 24:33841
- LILLYWHITE, Malcolm A. Low-energy proton effects on solar cell cover glass materials. I, 25:49068 (N-70-25005)
- LILOV, P. Problems relative to the isotopic composition of neon and argon in natural gases, 21:19772
- LILWALL, R. C. Does epicentre source bias exist, 23:2436
  - Epicentre determination by seismic arrays, 23:480
  - Quest for P travel time standard, 23:33285
- LILYQUIST, M. R. New high temperature fiber, its properties and performance, 21:36008
- LIM, C. C. Superfluidity in finite systems: propagation of fourth sound and the density of superfluid, 21:37352
- LIM, C. P. Stark broadening of two neutral He lines in plasma, 22:38753
- LIM, C. S. Temperature variation of the dc Josephson current in Pb—Pb tunnel junctions, 24:51571
- LIM, Chun Bin (n,p) elastic scattering, 25:36661 (UCRL-20295)
  - Thermal neutron flux produced in spherical and a cubical cavity by slowing down of fast neutrons in cavity walls, 24:24104 (UCRL-19345)
- LIM, E. C. Inverse deuterium isotope effect in radiationless electronic transitions, 25:34590
  - Luminescence of biphenyl and geometry of the molecule in excited electronic states, 24:38890
- LIM, Eung Keuk Behavior of Cs in fixation of radioactivity in ceramic sponges, 21:8569
- LIM, In Chil Parallel tunnel diode coincidence circuit, 24:33971
- LIM, James K. J. Comparison of phospholipid biosynthesis in irradiated bone marrow and liver, 21:26612
- LIM, K. L. Deuteron stripping on a realistic nucleus, 21:31876
  - Distorted-wave t-matrix approximation for single-particle reactions, 22:20723
- LIM, Kun Hyuk Soybean improvement by application of x-ray and thermal neutron, 23:4909
- LIM, M. Gene Measurement of neutron spectrum, age, and diffusion length in concrete, 21:21366 (AD-646630)
- LIM, Mahn Jick Exchange of energy between tungsten at high temperatures and gases at room temperature, 21:32148 (UCRL-17395)
- LIM, Mahn-Jick Exchange of energy between tungsten at high temperatures and gases at room temperature, 22:28815
- LIM, Myong-jai Gene Spectral distribution of fission neutrons in ordinary concrete, 22:39567
- LIM, R. Spectrographic determination of impurities in boron, 21:10256 (UCID-15062)
- LIM, Robert Determination of trace chlorine in fluoroelastomers, 21:23808 (UCID-15100)
- LIM, S. K. Studies on the effects of radiation from radioisotopes incorporated into plants. III, 22:36410
- LIM, T. K. Alpha-particle model of ^{12}C, 25:12663
  - Electromagnetic form factors and radii of ^{3}He, 25:33961
  - Exactly soluble quantum-mechanical three-body problem, 25:43509
  - Normalization constant in (^{3}He,α) reactions, 24:49845
  - Perturbation theory and the few-nucleon system, 24:11052
  - Photodisintegration cross section of ^{4}He, 22:29902
  - Reaction ^{16}O(^{3}H,p)^{18}O(g.s.) cross section with velocity-dependent potentials, 23:15377
  - S' state in tri-nucleon and nucleon-transfer reactions, 23:28340
  - S' state in trinucleon, 22:20701
  - Short-range correlations and the trinucleon, 22:20687
- LIM, Tiong-koon Polarizability and second dielectric virial coefficient of interacting He atoms, 24:32625
- LIM, Woo Yung Standardizing radiation sources and portable survey meters, 24:712
- LIM, Woo-yong Standardization of gamma-ray radiation sources and survey meters. I, 24:4426
- LIM, Y. K. Cosmic-ray heavy-nucleus enders at various atmospheric depths, 23:34300
- LIM, Yong Kyu Gamma radiation shielding effect of various heavy concretes using domestic mineral aggregates, 25:6919
  - Shielding effectiveness of magnetite heavy concrete on ^{60}Co gamma-rays, 25:45524
  - Standardization of gamma-ray radiation sources and survey meters. I, 24:4426
  - Standardizing radiation sources and portable survey meters, 24:712
- LIMA, F. W. Activation analysis and isotope dilution for determination of Cu, 24:16469
  - Activation analysis of chromium in water matrix, 22:40033
  - Application of the retaining ion technique to separation of ions by electrophoretic focusing ions, 25:26351
  - Determination of As in Ge by combination of isotope dilution and activation analysis, 24:31266
  - Glass debris identification, 24:16467
  - Retention of Ta by hydrated Sb(V) oxide in strongly acid media, 25:41922
- LIMA, Fausto W. Activation analysis and control of materials of high purity, 24:11465 (IEA-INF-9)
  - Association of the methods of activation analysis and isotopic dilution. Determination of copper in high purity gold samples, 24:38778 (PRNC-135, pp 432-9)
  - Determination of impurities in pure reagents by association of isotopic dilution and activation analysis. Application to the analysis of copper in various reagents, 24:38777 (PRNC-135, pp 422-6)
  - Determination of traces of mercury in tomatoes and industralized products from tomatoes, 25:48477
  - Exogenous contamination of hair by capillary action of arsenic solutions, 22:16407 (GA-8171, pp 261-78)
  - Isotope production and activation analysis using research reactors, 24:4409 (IEA-158)
  - Study of influence of various factors on radiochemical: Gutzeit method of activation analysis of arsenic, 24:2149 (IEA-176)
- LIMA, J. M. Utilization of TRIGA reactor of IPR da UFMG, Brazil, during seven years of operation, 22:33025
- LIMAN, G. F. Anisotropy of a neutron spectrum in water near an absorber, 22:29876
  - Anisotropy of neutron spectra in water near an absorber, 22:20415 (JPRS-43682, pp 63-80)
  - Neutron spectra in a two-region graphite-water system, 22:20418 (JPRS-43682, pp 123-36)
  - Neutron spectra in a two-zone graphite—water system, 22:29877
- LIMANDAS, M. Counting tritiated water, 25:57363
- LIMAR, A. G. Electron trapping in a betatron, 25:22941
- LIMARE, Armand Laminar plasma jets flowing out to free air, 22:22155
- LIMARENKO, I. M. Study of radical processes in animal tissues under x-ray irradiation by means of polymerization technique, 22:28296
- LIMARENKO, L. N. Effects of x irradiation and heat treatment in different atmospheres on the optical and luminescence properties of cadmium tungstate, 21:21067
- LIMBACH, Andrzej Sensitive indirect method of colorimetric determination of bismuth with iodide, 23:49696
- LIMBAUGH, C. C. Numerical study of early population density relaxation of thermal hydrogen plasmas, 24:12815 (AD-695472)
- LIMBER, D. N. Support of the envelopes of Be stars, 22:26127
- LIMBER, D. Nelson Asymmetries in envelopes of Wolf—Rayet components of close binaries, 25:9004
  - Circumstellar envelopes formed through rotationally forced ejection. II, 21:20626
  - Structure and kinematics of the envelopes of Be stars, 23:44052
- LIMBERGER, Ernst Approximate solution for the behavior of an elastic system under an inelastic impact, 24:44216
- LIMBERGER, S. Treatment of skin carcinoma recurrence following x-ray irradiation, 22:31142
- LIME, Fausto W. Determination of arsenic in germanium by association of isotopic dilution and activation analysis, 24:38776 (PRNC-135, pp 421)
- LIMENTANI, S. Annihilation at rest anti NN $\to$ K anti Kπ, 24:1508
  - Annihilation into pions of the anti pn system from antiprotons at rest in deuterium, 21:15263
  - Annihilations anti pn at rest into final states containing K-mesons, 23:46608
  - Antiproton—nucleon interaction, 23:23356
- LIMESTAHL, K. W. Study of output of Q-switch laser system, 21:27869 (SC-TM-67-185)
- LIMETTI, Marie Isotope effects on succinate dehydrogenase-L-chlorosuccinate system, 23:2300
- LIMIC, N. Continuous degenerate representations of noncompact rotation groups. II, 21:7527
  - Discrete degenerate representations of noncompact rotation groups. I, 21:4084
  - Eigenfunction expansions associated with the second-order invariant operator on hyperboloids and cones. III, 21:40247
  - Nilpotent locally convex Lie algebras, 24:3753
  - Semi-relativistic equation for quark—antiquark systems, 22:32122
- LIMING, F. Glenn Jr. Free radicals in aliphatic polyamino acids, 23:43700
- LIMING, Franklin Glenn Jr. Free radicals formed in polyamino acids by H atoms, 23:31350
- LIMON, J. Direct determination of R/sub rho/ = (K^0/sub L/ $\to \pi\mu\tau$)/(K^0/sub L/ $\to \pi e\tau$), 24:1502
- LIMON, Jose Noriega Induction of ovulation. III, 24:32118
- LIMON, L. Condensate treatment considerations for boiling-water reactor systems, 25:18145
- LIMON, P. Asymmetry parameter for $\Lambda^0 \to n\pi^0$, 24:24222
  - Proton—proton triple scattering at 430 MeV, 22:34843
  - Spark chamber—computer system for measurement of proton polarization, 21:39228
- LIMON, Peter Jacob Time-reversal invariance and proton triple scattering, 22:52935
- LIMONCELLI, E. A. Reaction rate of Nb-1 Zr alloy with O, 23:48341
- LIMON M., M. A. Dosimetry studies and radiolysis of aqueous solutions of chloral hydrate, 23:14056
  - High-intensity x-ray facility, 23:49249
- LIMON MARQUEZ, Miguel Angel Source of high-intensity x rays, 24:24467 (NP-18176)
- LIMONOV, V. E. Roentgenographic investigation of system MoO_3—WO_3, 22:45828
- LIMPERT, J. C. Plant instrumentation program quarterly progress report for the period ending September 30, 1970, 25:34924 (WCAP-7562-3)
  - Plant Instrumentation Program. Final quarterly progress report for the period ending March 31, 1971, 25:55004 (WCAP-7562-4)
  - Prog. rpt. on plant instrumentation, 6/30/70, 25:13230 (WCAP-7562-1)
- LIMPERT, John C. Determination of ^{240}Pu in Pu, 23:7472
- LIMWONGSE, Kasem Preparation of ^{131}I-labelled sulfobromophthalein, 25:15994
- LIN, A. L. L. Deep inelastic eN scattering and the structure of the nucleon, 25:40933
- LIN, Albert Run-up of nonbreaking waves, 22:10417 (NVO-289-1)
- LIN, C. A. Combination treatment of spores of Cl. botulinum with heat plus radiation, 24:48769
- LIN, C. C. Dynamics of self-gravitating systems of galaxies, 24:21508
  - Experimental study of an electroacoustic wave excited by an antenna in a hot plasma, 21:46329
  - Experimental transition probabilities for some oxygen lines of astrophysical interest, 24:37046
  - Spiral structure in Galaxies, 22:43695
  - Spiral structure of disk galaxies. III, 23:20642
- LIN, C. L. Reaction (t,p) calculation with form factor based on Woods—Saxon potential, 22:27354
  - Two nucleon transfer reactions, 22:39687 (CONF-670970-, pp 97-9)
- LIN, C. S. Reaction ^{27}Al(d,p)^{28}Al from 2.0 to 3.0 MeV, 24:26624
- LIN, Chang Sung Total neutron cross sections of sulfur and tungsten between 5.3 and 6.3 MeV, 22:20523
- LIN, Ch'ang-shan Titrimetric method of determination of microquantities of uranium, 22:7995
- LIN, Chang-sung Total neutron cross sections of carbon and lead, 23:25836
- LIN, Chao-chi Application of radiogold (^{198}Au) for estimating the hepatic blood flow in hepatic diseases, 21:24468
- LIN, Chao-feang Isotopic exchange between gaseous deuterium and aqueous alkaline solution, 22:40097
- LIN, Chia-shi Non-destructive determination of reactor fuel element burnup by measurement of fission neutrons, 25:41757
  - Spatial distribution of moderated neutrons in hydrogeneous media, 25:34437
- LIN, Chien-chang Tin-132 from thermal fission of ^{235}U, 24:49906
- LIN, Ch'i-fan Interaction of a surface coating with edge and screw dislocations in zinc crystals, 21:43623 (COO-1198-478)
- LIN, Ching Liang Theory of two nucleon transfer reactions: (t,p) and (p,t) reactions, 21:2772
- LIN, Chinlon Design factors for transition temperature Pockels tube, 25:41639 (COO-1469-175)
- LIN, Chiwen Seismic analysis of piping systems, 24:24831
  - Seismic response of nuclear reactor containment vessels, 23:24033
- LIN, Chun C. Electron excitation functions of mercury, 21:28976
  - Electron-impact excitation of neon, 24:51447
  - Excitation of the spin multiplets of the ground state of oxygen by slow electrons, 21:2041
  - Optical ionization—excitation functions of helium by electron impact, 21:37154
- LIN, D. L. Capture rate for the reaction $^3\text{He} + \mu^- \to {}^3\text{H} + \tau$, 24:30687
  - Charge form factor and vacuum polarization corrections to μ^--capture rate in ^{3}He, 22:20201
  - Convergence of the two-component plasma correlation function, 22:41550
  - Electric charge form factor of ^{6}Li, 21:42564
  - Second-order virtual E1 transitions in Coulomb excitation of deformed nuclei, 21:30005
- LIN, D. N. Anomalous resistance of plasma during turbulent heating, 24:23948
  - Current-interchange instability in turbulent heating of a plasma by a current, 25:14344
  - Energy losses and efficiency of turbulent heating of plasma, 23:18587
  - Noise in a turbulent plasma, 21:44094
  - Observation of plasma noises in case of turbulent heating, 24:19869
  - Scattering of electromagnetic waves on turbulent plasma pulsations, 22:44198
  - Study of energy losses and effectiveness of turbulent heating of plasma by current, 23:36644 (IAE-1656)
- LIN, David H. Y. Most primitive precursor cells of hemopoietic system, 25:28898 (UCRL-20613)
- LIN, E. K. Analysis of elastic scattering of 14.5-MeV deuterons on isotopes between ^{54}Fe and ^{124}Sn, 22:44639

Elastic scattering of 1.5 to 3.0-MeV dueterons by ^{12}C, ^{24}Mg, and ^{27}Al, 21:33887
Fluctuation analysis of reaction ^{24}Mg(d,α)^{22}Na, 23:15401
Investigation of T = 0 excited states of ^{4}He using three-particle reactions, 25:17684 (KFK-1055)
Level structure in ^{57}Fe from the (d,p) reaction on ^{56}Fe, 25:17801
Preparation of thin targets, 23:24174
Reaction ^{24}Mg(d,α)^{22}Na at low energies, 22:27056
Reaction ^{26}Mg(d,α)^{24}Na at low energies, 22:27058
Reaction ^{26}Mg(d,α)^{24}Na at low energies, 25:36701
Reaction ^{24}Mg(d,p)^{25}Mg at low energies, 22:27059
Reaction ^{27}Al(d,α)^{25}Mg, 21:2694
Reaction ^{27}Al(d,p)^{28}Al from 2.0 to 3.0 MeV, 24:26624
Rule (2J + 1) in the ^{25}Mg(d,α)^{23}Na reaction at low energies, 21:46693
LIN, Ernest Erh-kang Nuclear structure studies in the zinc and selenium isotopes with (d,p) and (d,t) reactions, 21:33949
LIN, F. C. Scattering amplitude for pion—deuteron breakup reaction, 25:33780
LIN, F. M. Bibliography of thermoluminescent dosimetry, 21:39269 (COO-1105-124)
Bibliography of thermoluminescent dosimetry, 22:25676
Characteristics of some TLD solid systems, 25:29382 (COO-1105-120)
Use of thermoluminescence for ultraviolet dosimetry, 21:41278 (COO-1105-136)
LIN, Fang-mei Radiation distributions around linear radium sources as measured with thermoluminescence dosimetry, 21:43395
LIN, H. E. K/sub 13/ form factors, F/sub K//F/sub π/ and symmetry-breaking parameters of vacuum states, 25:12198
Superconvergence relations and possible new resonances pion—baryon scattering, 23:15117
Velocity-dependent potentials in quantum mechanics, 24:49589
LIN, H. H. Radiation protection experience at the one-megawatt pool reactor THOR and its affiliated facilities, 25:10284
LIN, Hsien-hsiung Use of concrete in nuclear engineering, 22:14619
LIN, I. Fissionability of heavy nuclei, 25:31417
LIN, J. Helium-3 elastic scattering from ^{10}B and ^{14}C, 24:52423
Levels in ^{55}Mn, ^{58}Co, ^{65}Zn, and ^{70}Ga from the (p,n) reaction, 25:5612
Stability of trapped electrons in gamma-irradiated organic glasses, 21:36047
LIN, Jacob Electron spin resonance and optical studies of radiation-induced intermediates, 23:7570
Electrons in γ-irradiated and photoionized organic glasses, 23:47539
Radiation-induced trapped electrons in saturated hydrocarbons studied by optical and electron spin resonance spectroscopy, 22:30627
LIN, Jacob Wen-pin Radioinduced trapped electrons and free-radical intermediates in organic glasses, 23:24236
LIN, Jen-Kung Ultraviolet irradiation and mutation of normal cells, 21:14629
LIN, Jeong-long Brief review of nucleation processes, 22:45188 (NYO-3756-2, Sect. D)
Inelastic molecular collisions, 22:43892
Vibrational excitation in Morse oscillator, 25:4954
LIN, Jin-long Determination of seismic disturbances from underground nuclear explosions, 21:19779 (AD-640842)
LIN, Juey Shin Lai Immunization of C58 mice to line I/sub b/ leukemia, 24:19300
LIN, Jung Boron-11(^{3}He,d)^{12}C spectroscopic factors, 24:1757
Charged particle spectra from ^{9}Be + D reaction, 25:3560 (CONF-700322-, pp 89-94)
Study of neutron continuum from interaction of ^{7}Li with ^{3}He, 25:43788
LIN, K. Gamma back scatter soil density gauges, 24:2305
Gamma-source method of measuring soil densities, 23:38341
Soil density measurements with gamma-rays, 23:6221
LIN, K. C. Effect of annealing on infrared absorption of the gamma-induced surface layer on germanium, 22:20071
Heat treatment studies of infrared absorption in reactor-irradiated Ge, 25:58343
Infrared absorption in reactor-irradiated oxygen-containing germanium, 24:32903
Infrared absorption of the gamma-induced surface layer on germanium, 21:27248
Infrared spectra of matrix-isolated acetic acid monomers, 25:86
LIN, K. H. Conceptural design of continuous thermal diffusion plant for ^{85}Kr enrichment, 23:16010 (ORNL-4372)
LIN, K. Y. Bootstrap model of baryons with nondegenerate mesons, 21:5394
Low-energy theorems for Compton scattering on targets of arbitrary spin, 25:27993
Low-energy theorems for e^4 Compton scattering, 24:12980
LIN, Keh Ying Elastic scattering of leptons on deuterons and T-non-invariance, 24:49426
Regge-pole theory and spin independence of the total cross sections, 21:37938
Relations among superconvergence conditions for forward elastic scattering. I, 22:5672
Relations among superconvergence conditions for forward elastic scattering. II, 22:22472
Relations among the superconvergence conditions for forward elastic scattering. III, 22:35148
Some remarks on the kinematic singularities of the helicity amplitudes, 21:25351
LIN, K'o-chien Diagnosis of liver disease by radioisotope scanning, 23:867
LIN, L. Deuterium isotope effect on chemical shift of bridge H in enol tautomer of 2,4-pentanedione, 24:25053
Possibility of gapless superconductivity in deformed nuclei due to Coriolis interaction, 22:1719
LIN, Leroy Chi-tsun Crystal structure of potassium bis-(tricyanovinyl)amine, and NMR studies of alkali halide solutions, and intramolecular hydrogen bond in acetylacetone by deuterium isotope effect, 23:6117
LIN, M. C. Fall-off behaviour and kinetic isotope-effects in reactions of cyclic hydrocarbons, 22:30538
LIN, M. S. Magnetic susceptibility of neodymium hexaboride, 22:41666
LIN, M. T. Inelastic proton—proton scattering at 12.5 GeV/c, 22:52932
Particle production at high transverse momentum, 22:48219
Pion production at 12° and 15° in proton—beryllium collisions at 12.5 GeV/c, 23:23357
Pion, kaon, and antiproton production in center-of-mass in high-energy proton—proton collisions, 22:20128
Pion, kaon, and antiproton production in center of mass in high energy proton proton collisions, 22:39250 (CERN-68-7(Vol.2), pp 262-80)
Production of pions, kaons, and antiprotons in the center-of-mass system in high-energy proton—proton collisions, 21:29440
LIN, Mary Irradiated summer and winter pineapples under varying storage periods and temperatures, 23:10141 (UH-235-P-5-3, pp 95-104)
LIN, Maung Thet Particle production at high transverse momentum in high-energy proton—proton collisions, 24:15470
LIN, Max Shiuming Kinetics of amino acid transport across bone marrow cell membranes, 24:13715 (UCRL-19379)
LIN, Mike Effect of x-rays on the autohydrolysis of ethylene glycol monoacetate, 23:4661
LIN, R. P. Electron (10 to 100 keV) acceleration and emission from solar flares, 25:35726
Electrons > 40 keV and protons > 500 keV of solar origin, 22:889
Emission and propagation of approximately 40 keV solar flare electrons. I, 24:35100
Emission and propagation of approximately 40-keV solar-flare electrons, 25:13894
Observation of interplanetary field lines in the magnetotail, 23:42062
Observations of lunar shadowing of energetic particles, 22:29152
Observations of scatter-free propagation of approximate 40-keV solar electrons in the interplanetary medium, 24:25909
Observations on the propagation of solar flare electrons in interplanetary space, 22:2874
Solar flare injection and propagation of low-energy protons and electrons in the event of July 7—9, 1966, 22:43792
Spatial gradients of energetic protons and electrons observed after July 7, 1966 solar flare, 23:22814
LIN, Robert I-san Chemical effects of neutron capture in cis- and trans-dichlorobis(ethylenediamine)-chromium(III) nitrate, 21:38988
Molecular composition of myelin synthesized subsequent to irradiation, 22:21448
LIN, Robert Peichung Observations of solar-flare electrons in interplanetary space, 22:49976
LIN, S. Diagnostic values of camera and scanner scintigrams, 23:33433
Percent probable error in radioactive measurements using analog and digital rate-meters, 21:8227
Protection of populations from ionizing radiation, 22:15015
Service of nuclear medicine, 25:35156
Simple device for the measurement of radioactive sterile solutions, 21:8229
Treatment of two cases of radium contamination, 25:29508
Uncertainties and causes of error in performing and interpreting scintigraphic examination of the liver, 24:6080
LIN, S. C. Determination of thorium content in monazite ore by gamma ray spectra, 21:27910
Ore analysis for thorium and uranium by delayed neutrons, 21:27909
LIN, S. C. H. Temperature dependence of the magnetization of an amorphous ferromagnet. research and development report no. 53, 22:15553 (CALT-221-38)
Temperature dependence of the magnetization of an amorphous ferromagnet, 22:31958
LIN, S. H. Effect of partial deuteration and temperature on triplet-state lifetimes, 22:30528
Orientation of targets by beam excitation, 24:13235
Scattering and capturing by inverse fourth-power potential in low-energy range, 25:19500
Solution of the time-dependent Schroedinger equation by the Laplace transform method, 25:14496
LIN, S. T. High-field iron core magnets, 25:50498
Three dimensional properties of magnetic beam transport elements, 21:19085 (BNL-11142)
LIN, Sanjin Comparison of thyroid scintigrams between by scanner and by camera, 22:45304
LIN, Shan-yeong Crossing matrices concerning the fundamental triplet of SU(3), 22:20291
LIN, Shao-chi Temperature relaxation near the interface of two semi-infinite plasmas, 23:14795
LIN, Sheng Hsien Anisotropic excitation cross sections and polarization of impact radiation of He by electron and proton impacts, 22:29247
Anisotropic photoionization cross sections. I, 24:17685
Refined treatment of nuclear magnetic shielding, 21:15632
LIN, Sheng Hsiung Laminar hydromagnetic flow between concentric rotating cylinders, 24:35249
LIN, Shih Chien Total neutron cross sections of sulfur and tungsten between 5.3 and 6.3 MeV, 22:20523
LIN, Shih-chien Total neutron cross sections of carbon and lead, 23:25836
LIN, Shin-r Scattering of polarized electrons by nuclei with magnetic moments, 22:3775
LIN, Shuang-chi P/sub infinity/ solution for neutron transport in heterogeneous medium by semigraphical method, 25:34430
LIN, Shu-ren Liver scanning in patients with suspected or proven cancer, 24:21224
LIN, Sing-hsiung Dipole radiation in compressible plasma, 25:14275
LIN, Sin-Shong Electron-impact ionization cross sections. IV, 22:11224
Electron-impact ionization cross sections. V, 22:34266
Simple positioner for quadrupole mass spectrometer, 25:42212
Ti—V—O system, 21:14177 (COO-1140-152)
LIN, Song-yun Wilson cloud chamber for study of (n,α) reaction, 23:26520
LIN, Song-yung Reaction ^{12}C(n,α)^{9}Be at 14.1 MeV, 24:8850
Reaction ^{16}O(n,α)^{13}C at 14.1 MeV, 21:33888
LIN, Tien-sung Enthalpies of intramolecular hydrogen bonds of orthohalophenols and deuterated orthohalophenols in the vapor phase, 22:4125
LIN, Tse Preliminary report of using ^{90}Sr in the treatment of skin diseases, 21:20311
LIN, Tsing-ko Hot atom chemistry of tripolyphosphate. II, 23:19797
Hot-atom chemistry of polyphosphates. III, 24:18998
Hot-atom chemistry of polyphosphates. IV, 25:57495
LIN, Tsing-ko. Inorganic yields of ^{38}Cl in Szilard—Chalmers reactions of α-, β-, γ-, and delta-benzene hexachlorides, 25:41884
LIN, Tz-Hong Chemical interactions of accelerated ^{14}C ions and atoms with benzene, 24:27110 (UCRL-19335)
Chemical interactions of accelerated carbon-14 ions and atoms with benzene, 25:13038
Hot-atom chemistry of ^{14}C in solid benzene at kinetic energies between 5 and 100 electron volts, 25:54703
Hot-atom chemistry of $^{14}C^+$ in benzene, 23:45361
Identification of products formed by irradiation of solid benzene with $^{14}C^+$ ions, 21:45148 (UCRL-17520, pp 15-17)
Liquid scintillation counting of $^{14}CO_2$, 23:21955
Reactions of accelerated carbon ions and atoms with benzene, 23:45360
Study of the ring degradation of toluene-1-^{14}C, 21:2937 (UCRL-16806, pp 54-7)
LIN, Tzuen-shyan Statistics of composite bosons, 25:36356
LIN, W. C. Electron fluxes at 1000-km altitude associated with auroral substorms, 22:22007
Electron paramagnetic resonance of x-ray-irradiated single crystals of K cobalticyanide, $K_3Co(CN)_6$, 23:261
Electron spin resonance and electronic structure of the fluoromalonyl radical, $CF(CO_2^-)_2$, 24:36277
Electron spin resonance of a sigma-electron radical in x-ray-irradiated malonamide, 23:28914
Electron spin resonance of a sigma-type radical formed by x-irradiation of malonamide, 21:14258
Electron spin resonance of two radicals formed in x-irradiated cyanoacetylurea, another sigma-electron radical of RCONH type, 24:9395
Electron spin resonance of x-ray irradiated polycrystalline and single-crystal sodium hexafluoroantimonate, 21:30475
Electron spin resonance of x-ray irradiated single crystals of ammonium paramolybdate tetrahydrate, 23:2343
Electron spin resonance study of γ-irradiated dipotassium difluoromalonate monohydrate, 24:13979
K/sub 13/ form factors, F/sub K//F/sub π/ and symmetry-breaking parameters of vacuum states, 25:12198
Superconvergence relations and possible new resonances pion—baryon scattering, 23:15117
Velocity-dependent potentials in quantum mechanics, 24:49589
LIN, Wen Kuan p + ^{3}H and n + ^{3}He final-state interactions in reactions ^{7}Li(p,α) and D(^{3}He,p), 24:33116
LIN, Wen-kuan First excited state of ^{4}He via the reaction ^{7}Li(p,α), 24:35813
p-^{3}He and p-^{3}H angular correlations from the reaction D(^{3}He,p), 25:25631
LIN, Wing-fai Isotope shift of nuclear charge distributions, 23:42990
Isotope-shift of nuclear charge distributions, 24:49935 (UCSD-10-P-11-105)
Isotope-shift of nuclear charge distributions, 25:20486
Statistical theory of deformed nuclei, 24:24615
Validity of Strutinsky shell correction theory, 24:38309 (UCSD-10-P-11-104)
Validity of the Strutinskii shell-correction theory, 24:52669
LIN, Y. C. Calculations on the nuclear surface, 24:20466
Energy spectra of single-particle states in nuclei, 25:43826
Velocity- and density-dependent interactions in finite nuclei calculations, 24:1873
LIN, Y. S. Bibliography of thin magnetic films, 1963—67, 22:20067
LIN, Y.-C. Chemical reactions following neutron irradiation of KIO_3, 24:19030
LIN, Ying-chi Bethe theory of the nuclear surface, 24:47687
LIN, Y-T Effect of cation on the stereochemistry of hydrogen—deuterium exchange, 23:155
LINACRE, J. K. Graphite and coolant chemistry of gas cooled thermal reactors, 25:54032 (A/CONF.49/P-504)
LINARES, C. Spectra and energy levels of Eu^{3+} in $LnLiO_2$ compounds, 25:52943 (CONF-711001-(Vol.2), pp 478-87)
LINARES, Christiane Fluorescence of activator ion Eu^{3+} in oxygenated compounds with rare earth base, 23:14895
Optical spectra and crystalline field of Eu^{3+} ion in some rare earth oxides, 23:14876

LINARES, R. C. Growth of single crystals from non-stoichiometric melts, 22:26089
LINARES, Robert C. Fluorescent properties of trivalent rare earths in fluorite structure oxides, 21:8278
  Growth and properties of CeO_2 and ThO_2 single crystals, 22:736
LINAZASORO, J. M. Isotopes in medical and biological investigation, 23:24503 (CONF-670649-25)
LINBERG, Eugene J. Bronchogenic carcinoma, 21:22624
LINCHEVSKAYA, G. A. Determination of the absorbed dose of various types of radiation on the basis of the recorded particles and the mean energy of the active spectrum, 23:4969
  Mean absorbed doses in patients during intratissular administration of ^{198}Au, 22:38300
LINCK, I. Analysis of p—^4He polarization for E/sub p/ = 1 to 12 MeV, 25:53578
  Elastic scattering $^4He(d,d)^4He$ in S matrix formalism, 24:3843
  First excited levels of ^6Li, 23:37124
  Study of the P/sub $^3/_2$/ and P/sub $^1/_2$/ states of ^5Li, 25:17705
LINCK, Isabelle Excited levels of ^{39}K, 25:34022
LINCKE, H. O. Use of ^{197}Hg-chlormerodrin for scintigraphy of brain of children, 23:31836
  Value of brain scans in space occupying processes located intratentorially, 23:33756
LINCOLN, J. Virginia Morphology of solar and geophysical activity during February 1965 and March 1966, 23:5298
LINCOLN, R. L. Cast hafnium carbide—carbon alloys: preparation, evaluation, and properties, 22:38600 (BM-RI-7137)
LINCOLN, T. A. Biohazards manual, 24:41114 (ORNL-TM-2854)
  Mortality experience of uranium and nonuranium workers, 24:41894 (Y-1739)
LINCOLN, T. J. Gamma-ray transitions in the decay of ^{194}Ir to ^{194}Pt, 23:7291
LIND, D. A. Design for a high-resolution reaction-product analysing system, 23:8901
  Gated ion source for cyclotron, 24:38023
  Manufacture of thick lithium-drifted silicon detectors, 22:320
  New (p,n) reaction studies at Ep = 23 MeV, 25:59789
  Nuclear structure physics, 21:21582
  Quadrupole lens reaction products spectrometer system, 25:37684
  Reactions $^{39}K(^3He,^3He)^{39}K$ and $^{39}K(^3He,d)^{40}Ca$ at 29.3 MeV, 25:36696
  Rotational states of ^{158}Dy, ^{164}Er, ^{168}Yb, and ^{174}Hf, 25:12544
LIND, David A. Elastic scattering of 21-MeV protons from ^{14}N, ^{16}O, ^{40}Ar, ^{58}Ni, and ^{116}Sn, 23:34721 (N-69-12840)
LIND, M. Salivary-gland scanning with /sup 99m/Tc, 24:2748
LIND, Owen T. Liquid scintillation for routine determination of ^{14}C activity, 24:4428
LIND, R. Effect of variation in pore size on the rate of radiolytic corrosion of graphite by carbon dioxide, 23:19793
LIND, Robert Improvements relating to gas-cooled nuclear reactors, 22:25039
  Improvements to moderator structures, 24:52942
  Inhibiting corrosion of graphite, 24:47838
LIND, Robert Wayne Algebraically special Einstein—Maxwell fields in spin coefficient formalism, 25:45812
LIND, V. G. Associated production near threshold, 21:3989
  Production of Λ^0 and Σ^0 hyperons by pions of beam momenta 1.12 to 1.32 GeV/c, 23:46618
LIND, V. Gordon Reaction $K^+p \to K^0\pi^+p$ at 9 GeV/c, 24:5253
LINDACKERS, K. H. Reactor safety in Federal Republic of Germany, 24:52952
LINDACKERS, K.-H AVR high temperature reactor: safety aspects, 22:53306
LINDACKERS, K.-H. Probability analysis applied to LWR's. I, 24:50063
  Safety construction of HTGBs and AGRs in densely populated areas, 23:37566
  Site selection for nuclear power plants, 22:18466
LINDAHL, A. Alpha decay of neutron deficient isotopes of mercury and radon and their daughters, 25:28302 (CERN-70-30(Vol.1), pp 523-31)
  Alpha decay of neutron-deficient radon and polonium isotopes, 25:20451
  α-active isotopes of Hg, Au, and Pt, 24:49912
  Experimental Q-values far from stability, 25:28295 (CERN-70-30(Vol.1), pp 331-40)
LINDAHL, Charles E. Digital systems for data acquisition and storage, 25:39706 (ORO-2401-37)
LINDAHL, Gunnar Genetic map of bacteriophage P2, 24:9820
  Multiple recombination mechanisms in bacteriophage P2, 24:9819
LINDAHL, John M. Remote handling of underground shot debris for heavy-element production, 21:6173
LINDAHL-KIESSLING, K. Chromosome and chromatid-type aberrations induced by ^{60}Co irradiation and tritiated uridine in human leukocyte cultures, 25:26636
  Extracorporeal irradiation of blood, 23:41480
  Extracorporeal irradiation of blood, 24:34142
  Incorporation of ^{14}C- and ^3H-thymidine after extracorporeal irradiation of blood, 25:16038
LINDALEN, H. R. Low-energy solar protons during the Feb. 25, 1969 event, 25:27573
  Proton precipitation in noon—midnight meridian, 25:27579
  Sounding rocket experiment for measuring energetic charged particles, 25:49798 (NP-18976)
  Variations in high latitude proton trapping boundary associated with polar magnetic substorms, 25:49799 (NP-18977)
  Variations in high-latitude proton trapping boundary, 25:58866
LINDALL, Arnold W. Measurement of native secretion granule insulin, 24:7703
LINDAUER, Erwin Radiation detectors, 24:33870 (TUBIK-20)
  Review of methods for handling of stationary neutron transport problem, 25:28151 (TUBIK-21)
LINDAUER, G. C. Behavior of aerosols under fast reactor accident conditions, 24:4072 (BNL-14070)
  Experimental studies on high-gravity rotating fluidized beds, 21:22089 (BNL-50013)
  Importance of gravitational coagulation on the settling of high-mass density aerosols, 25:2369
LINDAUER, George C. Heat transfer in MHD channel flow, 22:22003
  Initial size distribution of high number density aerosols, 24:7311
  Initial size distributions of aerosols, 25:18161
  Thermal conductivity and viscosity of helium at low temperatures, 23:32265 (BNL-50138)
  Thermal-entry region heat transfer in magnetohydrodynamic channel flow subject to axial conduction and the boundary condition of the third kind, 25:7214 (BNL-14004)
  Unsteady forced-convection MHD heat transfer in parallel plate channel, 22:47886
LINDAUER, R. B. Design of engineering-scale, vacuum distillation experiment for molten-salt reactor fuel, 23:2379 (ORNL-TM-2213)
  Design, construction, and testing of a large molten salt filter, 23:19500 (ORNL-TM-2478)
  Engineering development of on-site processing for molten salt breeder reactors, 22:23093 (CONF-660524-, pp 653-69)
  MSRE design and operations report. VII, 22:25463 (ORNL-TM-907(Rev.))
  Preparation and processing of MSRE fuel, 23:38046
  Processing of MSRE flush and fuel salts, 23:40805 (ORNL-TM-2578)
LINDBAECK, S. Beam stacking and long burst operation in synchrocyclotrons, 25:50356
  Regenerative extraction system in CERN synchrocyclotron, 25:31108
LINDBECK, S. L. Calibration for gamma radiation detection instruments, 23:31489
LINDBECK, S. Lloyd Operating procedures and review of thermal aspects of dry sipping method for failed fuel detection, Elk River reactor, 23:11122 (NUS-TM-ES-5)
LINDBERG, A. A. Chemical composition of mutants of S. typhimurium, 22:51508
LINDBERG, G. M. Self-diffusion of columbium, 23:41619
LINDBERG, J. F. Preliminary design of the HFEF, 24:5725
  Target handling system for 200-GeV proton accelerator, 25:5470
  Target handling system for the 200-GeV proton accelerator, 25:53458
LINDBERG, John F. ANL Mark-TV2: an experimental five-motion head-controlled TV system, 21:6114
LINDBERG, K. Development of transient fatty liver after release from ten-day stay in hypoxia, 25:26967
LINDBERG, Kaj Increased radioresistance of CCl_4-damaged mice, 21:20263
LINDBERG, L. Electric probe measurements in a moving and magnetized plasma, 25:19659
  Experiments with an electrodeless plasma accelerator, 24:47222 (NP-18422)
  Penetration of interplanetary plasma into the magnetosphere, 21:41940
LINDBERG, Lars Clinical use of radiostrontium in evaluation of spondylitis, 21:22501
  Diagnosis of spondylitis by external ^{85}Sr, 24:12146
  External counting of ^{85}Sr in vertebral fractures, 22:51701
  Strontium-85 scintimetry of spine, 24:25513
LINDBERG, M. Uv-radioinduced galactose-negative mutants of Ophiostoma multiannulatum, 24:48520
LINDBERG, R. Compatibility of alumina and beryllia ceramics with potassium vapor, 22:36521
LINDBERG, R. A. High-temperature magnetic test techniques and analyses, 23:41617
LINDBERG, R. C. POLYFIT: generalized least squares curve-fitting program, 21:47032 (SC-CR-67-2715)
  Population density study, 23:15761 (SC-CR-68-3796)
LINDBERG, R. G. Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
LINDBERG, R. W. Microstructural analysis of a high strength martensite-beta titanium alloy, 25:35488
LINDBERG, Robert Radiation therapy administered under hypoxia, 22:38384
LINDBERG, Robert D. Clinical application of computer dosimetry, 23:29525
  Combined intra-arterial infusion and radio-therapy for the treatment of advanced cancer of the head and neck, 23:33799
  Elective irradiation of the neck lymphatics for squamous cell carcinomas of the nasopharynx and oropharynx, 25:19084
LINDBERG, Robert G. Radiation induced chromosomal changes in mouse populations of Nevada Test Site, 21:11007 (SAN-510-2)
LINDBJERG, I. Relation between blood flow in an isolated muscle measured with the ^{133}Xe clearance and a direct recording technique, 22:40799
LINDBJERG, I. F. Fat content of leg muscles and its influence on ^{133}Xe clearance method of blood-flow measurement, 22:8571
LINDBLAD, Bengt Mechanism of enzymic formation of homogentisate from p-hydroxyphenylpyruvate, 25:10553
LINDBLAD, G. Continuous bases for unitary irreducible representations of SU(1,1), 25:17417
LINDBLAD, N. R. Behavior of aluminide-coated superalloys, 24:8065
LINDBLAD, P. O. Mean rotational velocities of 56 galaxies, 25:11635
LINDBLOM Physical region on the plane of two invariant momentum transfers for a reaction with three particles in the final state, 23:7183
LINDBLOM, G. Calculation of so-called effective upper winds in the strata 0-8 km and 0-14 km, 24:16702 (FOA-4-4406)
  Experiment with a controlled intake of ^{137}Cs in man, 21:3393
  Fallout gamma-emitting radionuclides in air, precipitation, and the human body up to Spring 1967, 22:10374 (FOA-4-4495-28)
  Fallout measurements in Sweden up to 9/64. I, 21:192
LINDBLOM, Gunnar Fallout gamma-emitting radionuclides in air, precipitation, and the human body up to Spring 1967, 23:24316
LINDBLOM, K. User's manual for NRN shield design method in FORTRAN IV language, 21:20998 (FFA-673)
LINDBO, Joergen Electron microscopical investigation of the metal-oxide interface of zirconium alloys, 25:52378
LINDBORG, U. Creep cracks and the concept of damage, 22:52188
LINDE, Donald W. Radioisotope thermoelectric power supply system, 21:41153
LINDE, E. A. Mutation and survival of Micrococcus sp. 25 at induction with uv rays, 24:14464
LINDE, Harry W. Occupational exposure of anesthetists, 23:50487
LINDE, J. O. Some suggestions on the problem of superconductivity, 21:13488
LINDE, S. Sensitivity of uranium and separative work requirements to variations in reactor programs, 25:44127 (CONF-700903-17)
LINDEBERG, G. K. EPR associated with Zn vacancies in neutron-irradiated ZnO, 24:51796
  Transmuted-center Fermi-level spectroscopy in slow-neutron-irradiated ZnO, 21:42166
LINDEBORG, Robert G. Method of introducing radioisotopes into plants, 22:10708
LINDEKEN, C. L. Advance warning system for detecting ^{41}Ar buildup in environmental air, 23:24438 (UCRL-50007-68-2, pp 58-63)
  Atmospheric stability measurements as an aid in disaster planning, 21:12530 (UCRL-50007-66-1, pp 11-14)
  Construction of a unique underground whole body counter, 25:372 (UCRL-72739)
  Detection of plutonium on air filters using α/β ratio of residual thoron daughter activity, 23:9722
  Determination of degree of equilibrium between ^{222}Rn and its daughters in the atmosphere, 22:30722
  Effect of humidity on the capacity of charcoal to absorb methyl iodide, 21:26424 (UCRL-50007-66-2, pp 33-7)
  Estimating natural terrestrial background in 17- and 60-keV energy regions from Compton continuum peak, 25:34727 (UCRL-72927)
  Gas-tight graded shield liner in whole-body counter, 24:25263 (UCRL-50007-69-3, pp 11-17)
  Improvements in the solid-state plutonium—alpha air monitor, 21:26161 (UCRL-50228)
  In vivo detection of ^{90}Sr from bremsstrahlung with thin NaI(Tl) crystal detectors, 23:50125 (UCRL-50007-69-1, pp 19-21)
  Natural terrestrial background variations between residences, 25:46827 (UCRL-72964)
  Optimization studies for FIDLER detector, 23:24433 (UCRL-50007-68-2, pp 20-4)
  Protection of HEPA filter systems against high expansion foam plugging, 21:30579 (CONF-660904-Vol.1 and 2, pp 1159-66)
  Radon daughter equilibrium measurements in uranium-mine atmospheres, 23:31519 (UCRL-50007-68-3, pp 34-8)
  Response of the FIDLER detector to low energy natural background radiation in Livermore Valley, 24:25264 (UCRL-50007-69-3, pp 20-2)
  Seasonal variations in the concentration of airborne radon and thoron daughters, 21:12531 (UCRL-50007-66-1, pp 41-3)
  Tables for calculating geometry factors for disk sources and detectors, 21:17853
  Use of the α/β ratio to reduce air filter paper decay periods, 21:26278 (UCRL-50007-66-2, pp 26-8)
LINDEKEN, Carl L. Respirator cartridge efficiency studies. I, 25:46416 (UCRL-73166)
  Respirator cartridge efficiency studies. III, 25:51349 (UCRL-51072)
LINDELL, B. Late effects of Thorotrast in cerebral angiography, 23:26938
LINDELL, Bo Basis of ICRP recommendations on personnel monitoring, 22:21510
  Ingested radon as a source of human radiation exposure, 23:12030
  Occupational hazards in x-ray analytical work, 23:4957
  Swedish policy with regard to the limitation of radioactive discharges from nuclear power stations, 25:12757 (SSI-70-27)
LINDELL, Bo. Professional responsibilities of the health physicist in relation to the medical profession, 25:42711
  Radiation doses from radioactive materials used in medicine, 24:29751
  Radiation hazards in work with isotopes, 21:24422 (NRC-TT-1264)
LINDELL, D. Reaction to radiation of lungs and pleura in patients with mammary carcinoma, 24:36843
LINDELL, K. F. Design requirements for laminar airflow clean rooms and devices, 23:26407 (SC-M-69-129)
  Instrumentation and methodology in measurement of viable and nonviable contamination, 25:52049
LINDELL, Kermit F. Development of two closely controlled humidity systems, 24:36131 (SC-RR-70-409)
  Effectiveness of thermoradiation sterilization, 24:48772 (SC-RR-70-423)

Precisely controlled..., low range humidity system, 25:10376 (SC-RR-70-775)
LINDELL, S. E. Bronchospirometry of ^{133}Xe radiospirometry in study of regional lung function, 22:25775
Four quandrant radiospirometry in normal and diseased states, 25:4671
LINDELL, S.-E. Detectors in studies of regional lung function by ^{133}Xe radiospirometry, 25:13520
Xenon-133 clearance as a measure of blood flow through human myometrium, 22:25948
LINDEMAN, A. J. Consistent P_1 multigroup diffusion equations, 23:37724
Conversion of the Argonne Reactor Computation (ARC) System to control data 6000 and 7000 series equipment, 25:57140 (CONF-710302-(Vol.1), pp 464-71)
Two-dimensional fast-reactor disassembly analysis with space-time kinetics, 25:57078 (CONF-710302-(Vol.1), pp 128-51)
LINDEMAN, Arthur J. Application of finite element techniques for the numerical solution of the neutron transport and diffusion equations, 25:33374 (CONF-710107-, pp 258-85)
Subcritical reactivity from neutron statistics, 21:40686
LINDEMAN, H. Gamma-ray branchings, energies, and lifetimes of ^{40}Ca levels, 23:7264
Investigation of J $\rightarrow$ J M1 transitions in ^{38}Ar, 22:9822
Lifetime and decay modes of 84.6 keV isomer of ^{196}Au, 25:50746
Lifetime measurements of alpha emitters in the millisecond region, 25:18703
Measurement of half-lives of isomeric nuclear states by a method of time interval analysis, 22:23369
Resolving time of a GM counter and ionic mobility, 23:11811
LINDEMAN, J. Regional pulmonary function, 24:29805
LINDEMANN, J. Strontium-90 in human bone, 23:48034
Strontium-90 in human bone (Denmark 1962—1964), 21:14653
Strontium-90 in human bone, Denmark 1962—64, 21:18038 (NP-16544)
Strontium-90 in human bone, Denmark, 1964-67, 24:12022 (A-AC-82/G/L-1239)
Strontium-90 in teeth, 21:32661
Strontium-90 in teeth, 22:28307
LINDEMER, T. B. Factors that control the carbothermic synthesis of advanced fuels, 24:30021 (CONF-700502-, pp 423-33)
Kinetic models for the synthesis of (U,Pu)O/sub 2-y/ by hydrogen-reduction and carbothermic techniques, 25:41779 (ORNL-TM-3358)
Kinetics of graphite—UO_2 reaction, 23:30164
Kinetics of the reaction of UC_2 and nitrogen from 1500° to 1700°C, 24:44766
Phase behavior of the U—V—C system and the thermodynamic properties and crystal structure of UVC_1, 24:34967
Producing advanced fuels for LMFBR's, 24:7129
Rate controlling factors in the carbothermic synthesis of advanced fuels, 24:46775
Reaction of UC with nitrogen from 1475° to 1700°C, 25:753
Role of carbon in reactions in U—C—O—N system, 24:4261 (ORNL-TM-2715)
LINDEN, B. G. Physical and chemical aspects of adsorbents and catalysts, 24:16515
LINDEN, D. B. Effects of ^{60}Co gamma irradiation on corn pollen, 21:9019
Radiation effects on banana corms, Musa sapientum, 21:439
LINDEN, W. Effects of ultra-high-energy radiation (600 to 6000 MeV) on cell nucleus, 25:35258
LINDEN, W. A. Augmentation of radiosensitivity in mammalian cells, 25:44885
Computer program for automatic determination of radioactivity in the human body, 25:16123
In vitro studies on radioprotective effects of melanin on mammalian cells, 25:29568
Synchronization of the mytotic cycle of mammalian cells in vitro through fractionated x-ray therapy, 25:29611
LINDEN, Walfried A. Whole body measurement with NaI-crystals, 23:4802 (ANL-Trans-688)
Whole-body measurements with NaI crystals, 21:36356
LINDENAUER, S. Martin Tissue distribution of radiosulfate toluidine blue, 24:17104
LINDENBAUM, A. Changes in distribution of polymeric Pu in mouse tissues, 23:24631
Effect of colloidal state of intravenously injected Pu on its distribution in bone and marrow, 23:24632
Effective dose of DTPA, spaced at 3 day intervals, in removal of skeletal Pu, 23:35711
Polymeric and monomeric Pu in mouse tissues, 23:24630
Reticuloendothelial stimulation and long-term, intermittent DTPA therapy in poisoning by Pu, 23:24548
LINDENBAUM, Arthur Alpha counting by liquid scintillation spectrometry, 23:16328
Effective dose of DTPA in removal of skeletal plutonium, 23:45722 (ANL-7535, pp 65-7)
High-resolution autoradiography of intracellular plutonium, 23:35626
Influence of DTPA therapy on long-term effects of retained monomeric Pu, 21:34577
Metabolic and therapeutic studies of plutonium. IV, 23:45721 (ANL-7535, pp 60-5)
Metabolism of monomeric and polymeric plutonium in small animals: radiotoxic implications for man, 25:51969 (CONF-711001-(Vol.2), pp 551-9)
Osteosarcomas as related to tissue distribution of monomeric and polymeric Pu, 23:38801
LINDENBAUM, S. Analysis of energy storage and its effects in the proposed national radioactive waste repository, 25:37563 (ORNL-TM-3403)
LINDENBAUM, S. J. Asymptotic energies, 23:1639 (BNL-12811)
Asymptotic energies, 24:5308
Digitized spark chamber and on-line computer systems for double verte events, 23:6310 (BNL-12900)
Experimental test of the pion—nucleon forward dispersion relations at high energies, 21:33700
Experimental verification of dispersion theory and high energy scattering, 25:59424
Forward dispersion relations, 24:5302
Forward dispersion relations: their validity and predictions, 22:15785 (BNL-12058)
Forward scattering amplitudes at high energies, dispersion relations, and asymptotic predictions, 21:25234 (BNL-11175)
High-energy, small-angle, p—p and anti p—p scattering, and p—p total cross sections, 21:44262
High-precision π^{+-}-p total cross sections from 8 to 29 GeV/c, 21:37708
Large digitized spark chamber spectrometer and on-line computer systems, 23:11846 (BNL-13130)
Multiparticle magnetic spectrometer systems with electronic digitized detectors and on-line computer, 25:17641
N* production in π^{+-}-p and p—p interactions, 21:37701
On-line computer techniques in nuclear research, 21:17243
Operational experience with the Brookhaven On-Line Data Facility, 25:13289 (CERN-70-21(Vol.2), pp 921-30)
Production of K^+ mesons in 2.85- and 2.40-GeV p—p collisions, 22:26558
Some new detector systems, 22:37213 (BNL-12539)
Some new detector systems, 23:47842
Test of the pion—nucleon forward dispersion relations, 23:36851
LINDENBAUM, Samuel D. Partially stable 90-kG composite superconducting solenoid, 22:29387
LINDENBERG, Jan Application of the methods of field theory to molecular physics, 23:14927
LINDENBERGER, K. H. Isotopic effect of μ capture rates in ^{151}Eu—^{153}Eu, 24:52598
LINDENBLAD, Irving W. Relative photographic positions and magnitude difference of the components of Sirius, 24:46831
LINDENBRATEN, L. D. Complex investigation of salivary glands by means of radioactive isotopes and x radiation, 22:36292
Special results and prospects of development of radiation therapy in USSR, 23:9982 (JPRS-44356, pp 41-64)
LINDENEG, Ole Determination of mitral regurgitation by infusion of ^{85}Kr, 22:527
LINDENFELD, P. Gapless behavior produced by proximity effect, 24:26124
Saturation of the superconducting properties induced in silver, 24:3279
Thermal conductivity of superconducting In alloys near upper critical field, 24:23928
Thermal-conductivity measurements of the proximity effect, 22:38985
LINDENMAYR, Georg New tritium and deuterium measurements in atmospheric hydrogen, 21:6063
Numerical method for the solution of the time independent transport equation for neutrons, 25:56616 (JUL-764-RG)
LINDENMEIER, C. W. Analytical evaluation of the large time contribution to neutron scattering cross sections, 21:38150 (BNWL-SA-1085)
Resonance cross shielding in reactor analysis, 25:1954 (BNWL-1509)
LINDENMEYER, Carl W. Optical ranging device, 24:48347
LINDER, Bruno Polarizability and second dielectric virial coefficient of interacting He atoms, 24:32625
LINDER, C. Fuel cycles for advanced gas cooled reactors, 22:22779
LINDER, Donald E. Tris(n-octyl)arsine oxide (TOCASO) as a reagent for liquid—liquid extraction. II, 23:401
LINDER, Donald Ernst Tris(n-octyl)arsine oxide as a reagent for liquid—liquid extraction, 21:14134 (ORO-2733-4)
LINDER, F. Absolute cross sections for (e,H_2) collision processes, 24:37256
Coincidence experiments for investigation of energy transfer in collisions of low-energy electrons with molecules, 21:28994
Differential excitation functions of n = 2 states of helium, 22:41353
Resonance scattering of slow electrons from H_2 and CO, 22:41375
Rotational excitation of H_2 by slow electrons in a beam experiment, 22:43893
Scattering of low-energy electrons on methane, 21:26988
Transcutaneous pituitary destruction, 21:12933
LINDER, P. Air filters for use at nuclear facilities, 25:23728 (STI/DOC-10/122)
Evaporation used as the only treatment facility at a research establishment, 21:262
LINDER, P. J. Economics of some types of absolute filters, 23:29062
LINDER, Robert E. Initial damage center in γ-irradiated α-aminoisobutyric acid, 23:43370
LINDER, W. Beam property measurements at Karlsruhe isochronous cyclotron, 22:39504 (KFK-754)
Intensity fluctuations of cyclotron microstructure beam pulses, 23:27917
Measurement of the spin and nuclear magnetic moment of ^{20}Na, 25:28209 (CERN-70-30(Vol.1), pp 383-5)
LINDERBERG, J. Hall's variational principle for excited states, 25:49757
LINDERBERG, Jan Correlation effects in the band structure of graphite, 21:29350
LINDEROTH, C. E. Containment systems experiment. I, 24:26787 (BNWL-456)
Facilities and procedures for testing large scale air cleaning systems containment systems experiment, 23:23927 (CONF-680821-, pp 27-54)
Removal of I and particles from containment atmospheres by sprays, 24:22422 (BNWL-1244)
LINDEROTH, G. Evaporation used as the only treatment facility at a research establishment, 21:262
LINDERSTROEM-LANG, C. U. Gas separation in Ranque—Hilsch vortex tube, 21:17776 (RISO-135)
Isotope effect on vapor pressures of $H_2O—C_2H_5OH$ and $D_2O—C_2H_5OD$ mixtures, 22:37742
LINDFIELD, M. Fuel handling at Hunterston A, 24:52775
LINDFORS, B. Diffusion of Na-ion from bisulphite cooking liquor into wood chips, 25:39460
LINDFORS, P. Pilot studies of the cell population kinetics in irradiated tumours, 22:25825
Radioprotective mechanisms in radioresistant tumors, 24:34583
LINDGARD, P. A. Critical scattering of neutrons from terbium, 22:24813
Field dependence of the spin-wave energy in rare-earth metals, 25:47628
Inelastic critical scattering of neutrons from terbium, 21:40077
Investigation of magnon dispersion relations and neutron scattering cross sections with special attention to anisotropy effects, 21:46648
Magnetic anisotropy in rare-earth metals, 25:3208
LINDGARD, Per-Anker Prog. rpt. on physics, annual, 1—12/70, 25:43435 (RISO-237)
LINDGREN, Alice Marilyn Lindell Effect of x-irradiation on the wound response of the rat lens epithelium, 25:27000
LINDGREN, B. Absorption spectra of SbH and SbD radicals, 22:12293
Spectra of silicon hydride and silicon deuteride, 21:32160
LINDGREN, Bo Diffuse spectra of SeH and SeD, 23:6097
LINDGREN, D. Mutagenic effect of ^{90}Sr in barley, 25:8648
LINDGREN, Dag Size and appearance of the mutated sector in barley spikes, 24:50834
LINDGREN, E. Late effects of Thorotrast in cerebral angiography, 23:26938
LINDGREN, Frank T. Serum-lipoprotein distribution and protein analysis by refractometry, 21:12290 (UCRL-16898, pp 64-71)
LINDGREN, Gordon Edward Production, transmission, and decay of free radicals in x-irradiated catalase, 25:32005
LINDGREN, I. Atomic-beam measurements in the rare-earth region, 25:28298 (CERN-70-30(Vol.1), pp 387-94)
Effect of irradiation on cultured human leucocytes, 23:29378
Nuclear spins of ^{169}Lu, ^{170}Lu, ^{171}Lu, ^{165}Tm, and ^{160}Er, 22:14010
Tetracycline fluorescence and enzyme histochemistry on early radiation damage in mouse kidney, 22:12816
LINDGREN, Ilmari Experimental isotope renography as a means of localizing ureteric obstruction, 24:50990
Retention of cobalt in experimentally induced kidney disease, 23:41223
LINDGREN, Ingvar Atomic-beam investigations of short-lived nuclei, 22:29943
Relativistic calculations of electron binding energies by a modified Hartree—Fock—Slater method, 23:1179
LINDGREN, J. Isotope effect and hydrogen bonding in crystalline hydrazinium hydrogen oxalate, 23:19698
Tungsten cladding of reactor fuels, 21:9130
LINDGREN, J. R. Fission gas release measurements from fast breeder $(U,Pu)O_2$ fuel, 25:6015
Gas-cooled fast breeder reactor fuel-element development, 24:50120 (CONF-700401-, pp 864-78)
Gas-cooled fast reactor fuel-element development: fuel-rod irradiation tests, 25:47107
High-temperature fast-flux irradiation experiment for mixed-oxide fuel rods, 25:5989 (GA-10264)
Irradiation testing of candiate fuel rods for the GCFR, 21:38486
Irradiation testing of fast breeder reactor $(U,Pu)O_2$ fuels, 25:32854
Irradiation tests of fuel rods containing UO_2 and $(U,Pu)O_2$ for GCFR, 24:10207
Performance of three sealed $(U,Pu)O_2$ GCFR fuel pins, 24:33312
Planned thermal irradiation of manifolded—vented $(U,Pu)O_2$-fueled rod in ORR capsule P-9, 24:26771 (GA-9896)
Tungsten cladding of uranium—zirconium carbides by vapor deposition, 21:13237 (N-66-24970)
Vapor deposited tungsten for application as a thermionic emitter material, 21:4917 (N-66-29373)
LINDGREN, K. High energy (γ, nx) reactions in ^{197}Au, 25:25716 (LUNP-7103)
High-energy (γ,xn) reactions in ^{197}Au, 25:36785
Pion effects in $^{127}I(\gamma,xn)$ reactions of high multiplicity, 24:8888 (NP-18064)
Pion effects in $^{127}I(\gamma,xn)$ reactions, 24:40634
Redetermination of some $^{127}I(\gamma,xn)$ yields, 22:22616
LINDGREN, M. EEG effects of postoperative irradiation treatment of brain tumors, 23:48252
Osteonecrosis and sarcoma following external irradiation of intracerebral tumors, 21:18077
LINDGREN, N. E. Feedback suppression of drift waves in mirror-confined plasma, 24:28315
Feedback suppression of drift-centrifugal waves in mirror-confined plasma, 25:27768
LINDGREN, Nathan Edward Electrostatic oscillations of an inhomogeneous plasma, 25:45498
LINDGREN, R. A. ^{21}Na level structure, 24:43282
4.04-MeV ^{19}Fstate, 22:26872
Collective calculations in ^{21}Na, 24:43208
Data acquisition system for gamma spectroscopy, 24:44308
Doppler shift studies with selected recoil directions, 25:20140
Mirror state structure in ^{21}Na and ^{21}Ne, 24:49837

  - Structure of ^{21}Na from the ^{24}Mg(p,α)^{21}Na reaction, 24:20375
- LINDGREN, R. G. Effect of temperature nonuniformity on positive column, 25:27714
  - Theory of the positive column including electron—ion recombination, 24:28293
- LINDGREN, Richard Arthur Light rigid rotor nuclei, 25:14953
- LINDGREN, Robert Gary Theory of the positive column of a gas discharge, 25:17171
- LINDGREN, S. Cosmic ray intensity variations during 1965, 21:31259 (AD-638020)
  - Fuel irradiation experiments in R2 reactor, 24:51231 (DP-Report-387)
  - Increase effects and anomalous daily variation during cosmic-ray storms, 22:1024
  - Particle fluxes and field configuration after major particle injection of January 28, 1967, 25:27584
- LINDGREN, S. T. Solar particle events of 5/23 and 5/28/67, 23:10399
  - Solar particle events of 5/23 and 5/28/67, 23:27289 (N-69-10670)
- LINDGREN, Stig Cosmic ray intensity variations during 1967, 23:25169 (AD-678246)
  - Cosmic-ray trajectories in the geomagnetic field, 22:45971
  - Interplanetary structure as revealed during cosmic-ray storm in Feb. 1962, 22:45972
  - Solar and galactic cosmic rays and interplanetary magnetic field, 24:12659 (N-70-10498)
- LINDGREN, Stig Torgny Cosmic-ray effects of atmospheric, geomagnetic and interplanetary origin, 22:47843
- LINDH, D. V. Influence of weld defects on performance, 23:20505
  - Topcoat for disilicide-coated TZM Mo alloy, 23:48333
- LINDHAGEN, P. Helium bubbles in irradiated 18 Cr—27 Ni austenitic stainless steel, 24:14858
  - Interpretation of displacement damage in irradiation-effects studies on structural materials in a fast reactor, 24:40897 (TRG-Report-1911, pp 377-86)
  - Irradiation effects in pressure vessel materials, 24:29990
  - Post-irradiation ductility of 15 percent Cr, 15 percent Ni, Ti, B steel for cladding, 25:47146
  - Post-irradiation ductility of a 15 percent Cr, 15 percent Ni, Ti, B steel for cladding, 25:16495
- LINDHARD, J. Approximation method in classical scattering by screened Coulomb fields, 22:34271
  - Classical directional effects for energetic electrons in crystals, 24:42790
  - Slowing down of ions, 23:39555
  - Temperature in special relativity, 23:16983
- LINDHARD, Jens Influence of crystal lattice on motion of energetic charged particles, 22:24420
  - Quantal treatment of directional effects for energetic charged particles in crystal lattices, 21:22994
  - Transient fields acting on heavy ions during slowing-down in magnetized materials, 25:36846
- LINDHE, S. Chemical problems in nuclear reactors, 21:25677
  - Evaporation used as the only treatment facility at a research establishment, 21:262
- LINDHOLM, L. Incorporation of ^{14}C- and ^{3}H-thymidine after extracorporeal irradiation of blood, 25:16038
- LINDHOLM, Leif Allogeneic inhibition in tolerant animals, 24:637
- LINDHOLM, Ralf Combined radiation and bone injury in rats, 23:35918
- LINDHOLM, Sam Combined radiation and bone injury in rats, 23:35918
- LINDHOLM, Ulric S. Conference on mechanical behavior of materials under dynamic loads, San Antonio, 9/67, 23:38921
- LINDHORST, K. Radiosensitivity of malignant tumors treated with tetracyclines, 24:44529
- LINDHOUT, A. H. Development of a sodium-cooled fast reactor, 23:11173
  - EURATOM conference on possibilities for using High Flux Reactor, 22:44906
  - Nuclear-powered ships are coming into sight, 24:20620
  - Presentation of the pilot plant for food irradiation, 21:16553
- LINDIGKEIT, R. Photoproducts of tyrosine and tryptophan in the origin of actinic carcinoma in the white mouse, 21:16418
- LINDL, John D. Ponderomotive force on laser-produced plasmas, 25:14332
- LINDLAND, Kare P. Process for the removal of impurities from actinides, 21:10440
- LINDLEY, B. C. MHD cycles and large-scale experiments. III, 22:5186
  - Prospects for closed cycle MPD power generation, 21:37229
- LINDLEY, Bryan Charles Improvements in and relating to apparatus for the direct generation of electricity, 21:3736
- LINDLEY, W. T. Efficient doping of GaAs by Se^{+} ion implantation, 23:44531
  - Junction (n—p) photodetectors in InSb fabricated by proton bombardment, 24:27369
  - MIS electroluminescent diodes in ZnTe, 24:35543
- LINDLEY, William Theoretical and computational radiation hydrodynamics. I, 24:49067 (AD-703293)
- LINDLEY, William B. Theoretical and computational radiation hydrodynamics. II, 24:49068 (AD-703664)
- LINDMAN, E. L. Collisionless heating and wave amplification through interaction with a density gradient, 22:13487
  - Convective instabilities driven by electromagnetic waves, 21:812
  - Convective instabilities driven by electromagnetic waves, 21:15161
  - Dispersion relation for computer-simulated plasmas, 24:18001
  - Enhanced losses in magneto-plasma columns, 3/66—11/69, 24:26173 (AD-698039)
  - Generalized boundary conditions of plasma feedback systems, 25:27755
  - Generalized boundary conditions, 24:42710
  - Suppression of Kelvin—Helmholtz instability in Cs plasma, 25:5111
- LINDMAYER, Joseph Radiation-resistant MOS devices, 23:17890
- LINDNER, Albrecht Coulomb displacement energies of isobaric analogue states, 22:20678
  - Coulomb displacement energies of isobaric analogue states. II, 23:9061
  - Nuclear reactions with polarized particles of arbitrary spin, 25:12652
- LINDNER, F. Further investigations on low-density Hall accelerators, 24:30362
- LINDNER, H. W. Cyclotron for medical and biological investigation. I, 21:46634
  - Importance of a cyclotron for nuclear medicine and biology, 24:8782 (LIB/Trans-238)
- LINDNER, Helmut Radiation burden to the patient during a gastrointestinal passage, 25:13580
- LINDNER, J. Autoradiographic and radiochemical studies on same material, 24:23249
  - Small rotational transforms, 21:18626
- LINDNER, L. Method for chemical analytical determination of plutonium and uranium in oxidic nuclear fuels, 23:6054 (EURFNR-525)
  - Procedure for the chemical analytical determination of plutonium and uranium in oxidized fuel, 23:2176 (KFK-701)
  - Waste handling in hot-cell laboratory, 24:31659
- LINDNER, Ludwig Contamination on the direct admitted turbine of Gundremmingen, 23:52298
- LINDNER, M. Observations on scattered-neutron effects in LRL Van de Graaff pit, 22:9720 (UCID-15235)
- LINDNER, Manfred Mass spectrometric method for determination of ^{237}Np, 23:24095
- LINDNER, P. Asymptotic properties of atomic form factors and incoherent scattering functions, 24:26027
  - Natural spin-orbitals and generalized overlap amplitudes, 24:30416
  - ZnO crystal as sensitive and selective detector for atomic hydrogen beams, 22:2357
- LINDNER, Peter Spin degeneracy and stability of Hartree—Fock states, 23:32193
  - Upper and lower bounds in second-order perturbation theory, 23:18756
- LINDNER, R. Behavior of nuclear reactor fuel at high temperature, 25:45113 (EUR-4325)
  - Behavior of reactor fuels at elevated temperatures, 23:18268 (BMwF-FBK-68-35)
  - Diffusion of ^{133}Xe in UO$_2$ single crystals, 21:14223
  - Diffusion of nonvolatile fission products in substoichiometric UC, 21:24842
  - Fission product transfer in the system UO$_2$/liquid Na/stainless steel, 21:30300
  - Formation and properties of transuranium elements, 25:23635
  - High-temperature performance of nuclear reactor fuel materials, 21:20559 (BMwF-FBK-66-32)
  - Investigation of reactor fuel materials at high temperatures, 23:26984 (BMwF-FBK-68-56)
  - Self-diffusion of uranium in uranium monocarbide, 21:46022
- LINDNER, W. Investigation of the accountability tank of reprocessing facility, 24:13996 (KFK-996)
- LINDOFF, U. Ages of open clusters, 23:3201
  - Color magnitude distribution of giant stars as a function of age, 23:3200
  - Open cluster NGC 559, 24:4901
  - Open clusters NGC 2483 and NGC 2489, 23:3198
  - Open clusters NGC 2546, Pi 1, NGC 2579, and Cr 185, 23:3199
- LINDOFF, Ulf Open cluster NGC 2533, NGC 2567, NGC 2571, and Ru 58, 22:49878
  - Open cluster NGC 6031, 22:15288
  - Open clusters NGC 5617, Ly 2, and Tr 12, 22:49871
  - Open clusters Tr 22 and Ho 17, 22:49874
  - Photoelectric sequences in Puppis, 22:49869
- LINDOP, A. J. Quadrupole splittings and paramagnetic shifts in NMR of ^{27}Al in rare earth Al garnets, 22:24416
- LINDOP, P. J. Age dependence of radiation sensitivity of haemopoietic cells in the mouse, 21:39499
  - Radiation response of HeLa cells exposed at very low temperatures, 24:6056
  - Strontium-90 and infant mortality, 24:14610
- LINDOP, Patricia J. Effect of 14-MeV electrons on blood vessels of the mouse earlobe, 25:11254 (BNL-50203, pp 174-80)
  - Effect of age and hypoxia on the long-term response of the ovary to radiation, 22:43418
  - Effect of breathing oxygen at high pressure on oxygenation of a sarcoma in CBA mice, 22:31191
  - Effect of hypoxia on skin response of mice to 15 MeV electrons, 22:40877
  - Effects of radiation on rodent and human ovaries, 23:31941
  - Hematopoietic changes following irradiation, 25:29634
  - Proceedings of a colloquium on radiation and ageing, Semmering, Austria, 6/66, 22:43421
  - Radiation and lifespan, 21:22672
  - Radiation effects on bone-marrow stem-cell population, 24:23339 (CONF-690501-, pp 603-12)
  - Response of tumor and normal tissue in mouse exposed to fast neutrons or electrons, 25:24399
  - Strontium-90 and infant mortality, 25:4505 (CONF-691051-, pp 324-35)
- LINDOW, J. T. Absolute normalization of neutron scattering cross section data, 24:47563
  - Scattering of fast neutrons by ^{12}C, ^{54}Fe, ^{56}Fe, ^{58}Ni, and ^{60}Ni, 25:20338
- LINDQUIST, A. W. Biological information needed in the sterile-male method of insect control, 24:32296
  - Dispersion studies of C. pipiens fatigans tagged with ^{32}P in Rangoon, Burma, 22:17003
- LINDQUIST, B. Increased supply of Ca to decrease uptake of ^{90}Sr from radioactive fallout, 22:31077
- LINDQUIST, J. Measurement of the up-down asymmetries in the beta decay of polarized lambdas, 25:9626 (COO-1545-87)
  - Measurement of up—down asymmetries in β decay of polarized Λ hyperons, 25:47726
- LINDQUIST, K. O. Kinetics of rare gas release from hydroquinone clathrates, 22:23044
  - Radiation induced inhibition of β—α phase transition in hydroquinone, 23:31384
- LINDQUIST, R. H. Moessbauer spectra of ^{57}Fe in superparamagnetic nickel, 22:17765
  - Reduced microgels: a new form of powdered metals and metal oxides, 25:55419
- LINDQUIST, Richard W. Maximal analytic extension of the Kerr metric, 21:18848
- LINDQUIST, Robert Nels Enzymatic and related non-enzymatic reaction mechanisms. I and II, 23:45252
- LINDQUIST, Thomas Russel Focusing x-ray telescope for high-altitude observations of cosmic x rays, 22:36567 (N-68-16582)
- LINDQVIST, Bjorn Characterization of REP^{-} mutants, 24:17032
- LINDQVIST, T. Electronic and magnon specific heat of iron-based tungsten alloys, 25:52958
- LINDQVIST, Torsten Helium-3-crysotat for specific heat measurements, 25:14212 (UUIP-677)
  - Internal field measurements in Ni and Fe by angular correlation method, 23:49002
- LINDROOS, Bjoern Changes in mice after topical beta radiation, 23:29754
- LINDROOS, V. K. Anomalously high collection of copper ions implanted in aluminum, 25:36295
- LINDROTH, Ph. Forgeable corrosion-resisting steel with high neutron-absorption capacity, 22:642
- LINDSAY, A. L. Architect-engineer-constructor's role in future nuclear-desalination projects, 23:47684
- LINDSAY, Ethelyn Argonne Code Center: directory of cooperating installations, 23:15754 (ANL-7497)
- LINDSAY, Graham Eades Fuel elements for nuclear reactors, 22:8284
  - Fuel elements for nuclear reactors, 22:8289
  - Improvements in or relating to transport containers for radioactive materials, 23:19925
  - Transport containers for radioactive materials, 25:34858
- LINDSAY, H. M. Electron metallography of powder beryllium, 24:42071
  - Mechanism for pressure-sintering (hot pressing) of beryllium, 22:41019
- LINDSAY, I. R. Acute somatic effects in primates of protons to 400 MeV, 22:12927
- LINDSAY, Ian R. Hepatic lesions produced by 32 and 55 MeV proton irradiation, 21:22702
- LINDSAY, J. D. G. Isotope effect in superconducting γ-U alloys, 22:1111
  - New high-temperature phase of protactinium metal, 25:58291
  - Positive isotope effect on superconducting transition temperature of α-U, 21:43949
- LINDSAY, J. E. O. Research reactors, 24:46094
  - Spectra of conversion electrons emitted in the reaction ^{149}Sm(n,γ)^{150}Sm, 24:45787
- LINDSAY, J. G. Jr. Capture cross sections of ^{127}I and ^{115}In in the keV region, 22:5826
- LINDSAY, J. W. Spectrophotometric determination of Cu in Pu metal with 2,9-dimethyl-1,10-phenanthroline, 23:26151
- LINDSAY, John W. Evaluation of methods to recover plutonium from incinerator ash, 25:57525 (RFP-1723)
  - Flammability of leaded dry-box gloves, 23:38143 (RFP-1354)
  - Glovebox design and operation. Glovebox materials studies, 25:54940 (CONF-710401-, pp 26-43)
  - Thermal decomposition of Np(IV) oxalate, 24:29278
- LINDSAY, N. A. Fast rf control work at LASL, 21:7589 (LA-DC-8260)
- LINDSAY, Ned A. Operation of a radio-frequency nuclear spin filter, 23:37038 (LA-4112)
- LINDSAY, Paul A. Preparation of tissues for liquid scintillation radioactivity counting, 23:11442
- LINDSAY, R. C. Observations on the low-temperature irradiation of milk, 23:8102
- LINDSAY, R. H. Student experiments utilizing a neutron generator, 25:3526 (CONF-700322-, pp 33-47)
- LINDSAY, Richard H. Nitrogen-14(n,t) and ^{14}N(n,d) angular distributions at 14.7 MeV, 21:31727
- LINDSAY, S. A. Electrospraying device for producing thin, uniform sources from rod dissolver and final product Pu solutions, 21:30625 (AECL-2666)
- LINDSAY, Stuart Carcinogenic effect of irradiation: low doses of radioactive iodine on the thyroid gland of the rat and mouse, 22:43450
  - Leydig-cell tumors in rat testes, 24:9942
  - Medullary thyroid carcinoma and parathyroid hyperplasia in rats, 24:32218
  - Pituitary cytology of rats with Leydig-cell tumors induced by low-level testicular irradiation, 24:48700
- LINDSEY, B. A. Applicability of simplified approximation techniques for air and concrete gamma-ray scattering, 21:37537
- LINDSEY, E. S. Effect of irradiation marrow, and spleen cells on autoimmune anemia, 22:36206
- LINDSEY, Edward S. Effects of radiation on transplanted rat heart, 23:29398
- LINDSEY, J. S. ^{235}U and ^{239}Pu capture-to-fission ratio, 24:38217 (UCRL-72454)
  - Measurement of the capture-to-fission ratio for ^{239}Pu, 24:38229
- LINDSEY, James Seward Production processes and decay modes of the phi meson, 21:33619
- LINDSEY, P. S. Criteria for detection of small sodium-water reactions in LMFBR steam generators, 24:9136 (APDA-TM-52)
  - Criteria for detection of small sodium-water reactions in LMFBR steam generators, 24:41018 (APDA-255)

  Evaluation of materials wastage due to reactions of water in sodium, 24:4048 (APDA-227)
  Leak detection in sodium-heated steam generators, 24:52904
  Plant design problems associated with the application of vented fuel to a fast breeder reactor, 23:47090 (ANL-7520(Pt.2), pp 154-66)
  Steam generators for Enrico Fermi Atomic Power Plant, 22:48633 (APDA-307)
LINDSEY, Reed S. Evidence of nonfission electrons in South Atlantic anomaly, 22:31707
LINDSEY, W. J. Production of ^{238}Pu, 25:4227
  Radioisotope production and materials, 24:31420
LINDSEY, Wilton J. Radioisotope requirements and availabilities for power applications, 24:22885
LINDSJO, O. Determination of rare earths in phosphate rock by atomic absorption flame photometry. II, 22:2001
LINDSJOE, O. Determination of rare earths in phosphate rock by atomic absorption flame photometry, 21:15867
LINDSKOG, J. Conversion probability of 35-keV transition in ^{125}Te, 24:26644 (UUIP-652)
  Excited nuclear states in ^{125}Te, 25:3699
  Lifetimes of excited states in ^{193}Ir, 23:40034 (UUIP-650)
  Lifetimes of excited states in ^{193}Ir, 24:6898
LINDSKOUG, B. Collimator and scattering foil for 10 to 20 MeV electrons, 25:43767
  Measuring device for thermoluminescence dosimetry, 22:8547
  Miniature LiF dosimeter for in vivo measurements, 21:1657
  Radiation dosimetry in small cavities using thermoluminescence in lithium fluoride powder, 21:12694
LINDSKOUG, B. A. A. Pelvic dosimetry during radiotherapy, 24:34351
LINDSKOUG, Bengt LiF dosimeter for intracavitary measurements, 21:22178
  Radiation damage to the surfactant system of the rabbit lung, 25:11267
LINDSLEY, D. L. Genetic control of recombination in Drosophila, 23:16273
LINDSTAEDT, H. K. W. Improvements in apparatus for handling submerged articles, 23:16071
LINDSTAEDT, Horst Karl Wilhelm Improvements for handling nuclear fuel elements, 23:11741
LINDSTAM, S. Description of the logic unit of the photometer system SFIL 70, 25:55045 (LUIP-CR-71-2)
LINDSTEDT, Goeran Mechanism of enzymic formation of homogentisate from p-hydroxyphenylpyruvate, 25:10553
LINDSTEDT, Sven Mechanism of enzymic formation of homogentisate from p-hydroxyphenylpyruvate, 25:10553
LINDSTROEM, G. Measurement of growth rate for sub-visible bubbles in a bubble chamber, 24:5927
LINDSTROEM, H. Conversion coefficients and particle parameters in ^{207}Pb, 21:7800
  Determination of the multipole mixture of the K-forbidden 1095-keV transition in ^{172}Yb, 21:5537
LINDSTROEM, H. A. Directional correlation study of interband transitions in ^{172}Yb, 22:42022 (UUIP-577)
  Directional correlation study of interband transitions in ^{172}Yb, 23:49434
LINDSTROEM, J. L. Flash x-ray irradiation of P—N junctions, 25:56336
LINDSTROEM, L. Irradiation of P-N junctions with 600 keV x-ray flash, 25:23933 (FOA-4-4454-29)
LINDSTROM, D. G. Coupled discrete ordinates: Monte Carlo technique and application to NERVA, 24:7260
  Leakage tracing from boundaries of low-order S/sub N/ solutions, 23:36782
  Radiation transport analyses of nuclear rocket engine components, 25:6128
LINDSTROM, D. P. Fine structure of analogue states in ^{55}Co, ^{57}Co, and ^{59}Co, 25:34055
  Fine structure of isobaric analogue resonances in ^{43}Sc and ^{45}Sc, 23:3966
  Fine structure of the isobaric analogs of the ground and second excited states of ^{61}Ni, 25:28237
LINDSTROM, David J. Instrumental neutron activation analyses of lunar specimens, 24:20730
LINDSTROM, G. D. Cross-flow resistance and diversion cross-flow mixing between rod bundles, 25:41425
LINDSTROM, L. Transient radiation effects in semiconductor diodes, 21:30762 (FOA-4-4488-24)
LINDSTROM, P. J. Auroral-particle precipitation and trapping caused by electrostatic double layers in the ionosphere, 25:14103
LINDSTROM, Peter J. B—L space and geomagnetic field models, 22:31712
  Long-term behavior of energetic inner-belt protons, 24:17749 (UCRL-19309)
  Stopping-power differences between positive and negative pions at low velocities, 23:23381
LINDSTROM, R. E. Amino acids as retaining agents for separation of rare-earth elements on ion-exchange resin, 23:19815 (BM-RI-7175)
  Amino acids in displacement chromatography, 24:281
  Conference on 8th rare earth research, Reno, Nev., 4/70, 25:682 (CONF-700403-(Vol.1))
  Conference on 8th rare earth research, Reno, Nev., 4/70, 25:683 (CONF-700403-(Vol.2))
  Differential extraction of rare-earth elements in quaternary ammonium salt-chelating agent systems, 23:7591 (CONF-681020-(Vol.1), pp 413-23)
  Differential extraction of rare-earth elements in quaternary ammonium compound-chelating agent systems, 25:32033 (BM-RI-7524)
  Extraction behavior of cerium-group lanthanides in a primary amine-chelating agent system, 22:10319 (BM-RI-7100)
  Liquid—liquid chromatographic separation of neodymium, samarium, and gadolinium, 25:54745
  Recovery of cerium and lanthanum by ozonation of lanthanide solutions, 22:23088 (BM-RI-7123)
  Recovery of cerium and lanthanum by ozonation of lanthanide solutions, 22:23090 (CONF-670502-, pp 692-700)
  Separation of Nd, Sm, and Gd by liquid—liquid chromatography, 25:205 (CONF-700403-(Vol.2), pp 788-801)
  Separation of samarium by a selective stripping procedure, 25:51572 (CONF-711001-(Vol.1), pp 294-305)
LINDSTROM, Richard M. Radon emanation from the lunar surface, 25:54440
LINDSTROM, Richard Mark Radionuclides in meteorites and in the lunar surface, 25:11539
LINDSTROM, Roald E. Fractionating lanthanide mixtures containing cerium, 23:19841
LINDSTROM, W. W. Depolarization of low-energy deuterons by electron pick-up, 25:40355
LINDSTROM, Walter William Polarization of neutrons from the ^{13}C(d,n) reaction, 25:22976
LINDT, W. Twice forbidden beta transition of ^{137}Cs, 23:44931
LINDUP, Rhona Radioinduced fibrosarcoma, 25:27044
LINDZEN, Richard A. Detection and description of tides and gravity waves in upper atmosphere, 23:22996
LINEHAN, Daniel Assessment of a seismic threat to nuclear reactors, 24:22807
LINEHAN, James W. Fluorescein test in postirradiation surgery. A preliminary report, 25:16220
LINEHAN, John H. Interaction of two-dimensional, stratified, turbulent air—water and steam—water flows, 23:16032 (ANL-7444)
LINEKAR, G. A. B. Electron microscope observations of voids in cladding materials irradiated in DFR, 25:58307
LINEKIN, D. M. Activation analysis of biological tissue without chemical separation, 23:4558
  Gamma-ray spectrometry in determination of trace elements in fingernails, 24:11488
  Multielement analysis of pathological tissue, 24:114
  Neutron activation of iodine employing a high-resolution Ge(Li) detector, 24:5626
LINEKIN, David M. Analysis of biologic tissue without chemical separation, 23:11448 (CONF-671111-, pp 471-90)
  Measurement of trace elements in tissue by Ge(Li) detector, 21:36585
LINER, R. Theoretical studies of the re-entry of plutonium fuel, 21:34398 (SC-CR-67-2573)
LINES, R. A. G. Nuclear orientation of ^{54}Mn nuclei in Fe, Co, and Ni, 21:23273
  Nuclear orientation of ^{95}Nb nuclei in Fe and Co, 21:21532
LINET, Bernard Study of the algebraic structure of the symmetrical energy—momentum tensor, 25:41089
LINETS, A. M. Problem of an experimental verification equality of inert and gravitational masses, 22:46530
LINETSKI, Yu. Influence of ^{90}Sr and ^{226}Ra on bone marrow cells, 22:51945
LINETSKI, Yuliyan Construction, technical characteristics, and use of a whole-body counter, 21:3310
LINETSKII, A. R. Mathematical manipulation of multiparticle nuclear reactions, 25:48912
  Nonlinear theory of excitation of plasma wave by electron beam, 25:14311
LINEVSKY, M. J. Optical energy transfer processes, 23:18503 (AD-673937)
LINFOOT, John A. Determination of testosterone and epitestosterone in urine samples by gas liquid chromatography, 24:29709 (UCRL-18793, pp 113-17)
  Heavy particle radiosurgery in Cushing's disease, 23:8023 (UCRL-18066, pp 193-8)
  Heavy particles in experimental medicine and therapy, 21:3429
  Heavy particles in neurology and neurosurgery: a review, 25:572
  Markedly increased bone blood flow in myelofibrosis, 24:34427 (UCRL-19420, pp 9-18)
  Prog. rpt. on heavy-particle therapy in Cushing's disease, 24:29821 (UCRL-18793, pp 135-9)
  Successful treatment of acromegaly: metabolic and clinical studies in 145 patients, 24:41940
LINFORD, H. B. Effect of x radiation on mobility of silver iodide sols, 21:40905
LINFORD, P. F. Some physical properties of plutonium at low temperatures, 21:32871
LINFORD, P. F. T. Low-temperature elastic constants and specific heats of some delta-phase plutonium—gallium alloys, 22:41071
  Specific heats of α-plutonium and α-manganese, 22:19529
LINFORD, R. B. Sensitivity of fast reactor economics to uncertainties in nuclear data, 22:22740
  Significance of neutron data uncertainties to fast reactor economics and power plant design, 22:50733 (GEAP-5635)
LINFORD, R. K. Ion energy analysis in a beam—plasma discharge, 22:34594 (TID-24491, pp 111-16)
LINFORD, R. M. F. ac losses near the lower critical field of superconducting Nb, 22:36875
  Alternating field losses in superconducting strip conductors, 25:14187
LING, A. Campbell Electrical conductivity of 2-methyltetrahydrofuran and methylcyclohexane, 23:40727
  Kinetic studies of H exchange in substituted dialkylanilines. IV, 21:25840
LING, C. Charge exchange effects in the (d,p) reaction leading to states in ^{91} ^{93}Zr, ^{93} ^{95}Mo, and ^{141}Ce, 22:14011
LING, F. F. Boundary lubrication, 23:21872
LING, Fon-Lien Problems of purification of heavy water by ion exchange, 22:20827 (ZFK-RN-31, pp 98-109)
LING, Fu-wen Development of long-range order and the resulting strengthening effects in Ni_4Mo, 25:49457
  Kinetics of disorder—order transformations, 25:55552
LING, Hsin-Yi Continental shelf sediment near the Columbia River, northwestern United States, 21:36175 (RLO-1725-72)
LING, James Gi-ming Nuclear fuel resources in the civilian nuclear power program, 22:25042
LING, Ming-te. Mass-spectrometric analysis of ^{10}B in biological preparations, 22:42607
LING, N. R. Destruction of lymphoid cells by activated human lymphocytes, 24:48668
  Effects of some cellular antigens on lymphocytes and the nature of the mixed lymphocyte reaction, 23:31674
  Exceptional lymphocyte stimulating capacity of cells from lymphoid cell lines, 23:48185
  Interaction between peripheral blood leucocytes and x-irradiated cells, 23:33811
LING, S. C. Radiative capture of ^{3}He by ^{7}Li from 3 to 6 MeV, 22:11909
  Reaction T(^{3}He,γ)^{6}Li in energy range 0.5 to 11 MeV, 23:15351
LING, S. M. Stable isotopes for study of calcium metabolism, 23:5037
LING, Samuel Chen-ying Excited states between 18 and 22 MeV in ^{10}B, 25:12389
LING, T. Isotopic-spin dependence of anti NN annihilation up to 5.5 GeV/c, 24:42874
LINGAFELTER, Jack Quality assurance: a realistic appraisal, 25:31528
LINGAM, K. V. Electron trapping in γ-irradiated organic glasses, 21:8346
  ESR of irradiated cesium uranyl nitrate, 22:47151
LINGANE, J. J. Determination of Ba, and its separation from Sr, 23:24077
LINGANE, James J. Coulometric titration applied to the determination of U, 24:22591
LINGANE, Peter James Separation of Fe from Ru, 23:17549
  Spectrophotometric determination of Ru with dithiooxamide, 23:45188
  Tritrimetric determination of Ru in hydrochloric acid solutions by prereduction with excess Fe(II), 24:20688
LINGAPPA, N. Inelastic scattering of protons by ^{58}Ni and ^{60}Ni, 24:52533
LINGAPPA, Nanjappa Inelastic scattering of 40-MeV protons by ^{58}Ni and ^{60}Ni, 24:22117
LINGAR, W. E. Nuclear instrument module maintenance manual, 22:16933 (ORNL-TM-1638(Pt.19))
  Nuclear instrument module maintenance manual, 22:16935 (ORNL-TM-1638(Pt.21))
  Nuclear instrument module maintenance manual, 22:16934 (ORNL-TM-1638(Pt.20))
LINGEMAN, E. W. A. Allowed K-capture to positron emission ratios in decays of ^{48}V and ^{52}Mn, 21:42597
  Beta decay of ^{233}Pa, 24:26649
  Decay of ^{111}Ag, 23:8993
  Decay of ^{214}Pb and other ^{226}Ra daughters, 23:44934
  Decay of ^{44}Sc and ^{48}V, 21:4254
  Decay of ^{57}Ni, 21:33928
  Decay of ^{95}Tc and ^{102}Rh, 22:27167
  Decay of 23.0 min ^{79}Rb to levels in ^{79}Kr, 25:17787
  Decay of isomers of ^{102}Rh, 25:3671
  Half-life of 1552-keV level in ^{234}U, 23:7318
  Intensities of γ-rays in the ^{57}Co decay, 25:43882
  Re-examination of ^{66}Ge decay, 25:12477
LINGEN, Peter Ralf Procedure for identification of fuel element spheres of high-temperature reactors with the help of emission spectral analysis at 40 atmospheres of helium, 25:4013 (JUL-671-RW)
LINGENFELTER, R. E. Compound diffusion of cosmic rays, 25:35902
  High-energy nuclear reactions in solar flares, 22:19731
  Influence of the ionized medium on synchrotron emission spectra in the solar corona, 21:13306
  Natural tritium, 21:3179
  Origin of solar flare microwave radio bursts, 22:17341
  Pulsars and local cosmic-ray prehistory, 24:10262
  Solar flare optical, neutron, and gamma-ray emission, 23:46204
  Statistical discrete-source model of the local cosmic rays, 24:30174 (N-70-21655)
  Statistical discrete-source model of local cosmic rays, 24:32695
LINGENFELTER, Richard E. Astrophysical and geophysical variations in ^{14}C production, 24:5047 (N-69-33574)
  Coronal magnetic field and radio-emitting electron energy from a Type IV solar radio burst, 23:10409
  Cosmic ray deuterium and ^{3}He of secondary origin, 22:36758 (N-68-22425)
  Cosmic-ray deuterium and ^{3}He of secondary origin, 23:14657
  Cosmic-ray electron lifetimes in the galactic disk and halo, 21:5099
  Determination of the coronal magnetic field and the radio emitting electron energy from a type 4 solar radio burst, 23:1115 (N-68-25734)
  Solar modulation and the galactic intensity of cosmic-ray positrons and negatrons, 22:9124
LINGERAK, W. A. Accurate and precise titrimetric analysis of uranium in nuclear fuels, 25:8202 (RCN-126)
  Determination of N in uranium nitride by Dumas technique, 25:18
  Determination of oxygen-to-uranium ratio in hyperstoichiometric uranium dioxide, 25:8203 (RCN-127)
  Determination of oxygen-to-uranium ratio in hypostoichiometric uranium dioxide, 25:8204 (RCN-128)
  Determination of traces of H, N, and O in aqueous solutions, 23:19629
  Direct spectrophotometric method for determination of traces of boron in Fe, steels, and other compounds, 23:9325
  Oxygen-to-uranium ratio in hypostoichiometric UO_x, 24:16436

LINGERFELT, J. E. Relativistic motion of a radiating point charge in a constant electromagnetic field, 25:36363

LINGERTAT, H. Characteristics of photomultipliers for use in thermoluminescent dosimetry systems, 21:3318

Low level dosimetry utilizing the thermoluminescence of LiF, 21:26252

LINGJAERDE, R. Chemical analysis of fuel particles, 24:38707 (DP-Report-264)

LINGJAERDE, R. O. Grind-leach head-end treatment of coated particle fuel, 24:38993 (DP-Report-293)

Trapping of I on activated charcoal, 24:40873 (DP-Report-213)

LINGLE, John C. Iron uptake and translocation by tomato plants, 21:1715

LINGLIN, Denis Determination of Kπ elastic cross section by Chew—Low extrapolation, 24:20144 (NP-18127)

LINGNER, H. Precipitate formation. I, 25:20885 (RFP-Trans-74(Pt.1))

LINGNER, Harald Precipitate formation. II, 25:20886 (RFP-Trans-74(Pt.2))

LINGOVA, St. Variations of radiation balance, 23:38112

LINGREN, Martin Techniques for tumor localization, 23:884

LINGREN, W. E. Electrochromatography of seawater containing dissolved Pu, 21:5849 (USNRDL-TRC-85)

Paper electrophoresis of Fe(II)—Fe(III) system, 21:5765 (USNRDL-TRC-84)

LINGUS, C. Neutron transport in magnetic materials, 24:8824 (ORO-3858-1, pp 668-75)

LINHARDT, H. D. Potassium turbine erosion experiments, 21:41106

LINHARDT, Hans D. Alkali metal two-phase flow investigation. Final report, 25:44999 (SAN-595-4)

Development progress of organic Rankine cycle power systems, 21:41107

Potassium condensate droplet size determination, 21:8498 (TID-23287)

Potassium turbine erosion, 21:18209 (SAN-595-2)

LINHART, G. Manufacturing and in vivo application of miniaturized semiconductor detectors, 25:57745

LINHART, J. Preparation of point sources of β-emitters for the irradiation of tissue cultures, 21:4586

LINHART, J. G. Dense plasma and nuclear fusion, 22:26362

Effects of α particles in low-β fusion reactor, 24:3408

Experiments with imploding plasma liners, 23:32379

Plasma physics, 24:23939 (EUR-4268)

Rapid transfer of magnetic energy by discharging foils, 23:1363 (RT/FI-(66)5)

Rapid transfer of magnetic energy by means of exploding foils, 23:42346 (EUR-3050)

Theory of inertial confinement of dense plasmas, 22:1142 (LA-3770, Paper H4)

Very-high-density plasmas for thermonuclear fusion, 25:3114

Very-high-density theta—pinch, 23:32382

LINHART, Jiri George Magnetic accelerator, 25:40696

LINHART, Joseph W. Irradiation of pulmonary tumor with overlying artificial cardiac pacemaker, 23:29689

Isotope quantitation of aortic insufficiency compared to cineangiography in man, 24:9893

Isotope quantitation of aortic insufficiency compared to cineangiography in man, 24:21238

LINHART, Theo Frank Improvements in light sources, 23:9661

LINIECKI, J. Barium and Sr metabolism in rats, 21:28364

Irradiation of culture medium and chromosomal aberrations in cultured nonirradiated lymphocytes, 25:44956

Strontium-90/Ca dietary ratio, 21:28499

LINIECKI, Julian Accumulation of ^{90}Sr in body, 21:45583

Assessment of average ^{90}Sr/Ca ratio in diet from urine analysis, 22:51645

Chromosomal aberrations in human lymphocytes irradiated in vitro from donors (males and females) of varying age, 25:46781

Dominant cause of individual variation in ^{137}Cs body content, 21:375

High strontium diet and radiostrontium retention, 21:45575

Influence of temperature at irradiation in vitro on the yield of chromosomal aberrations in peripheral blood lymphocytes, 24:19310

Influence of x-ray dose and time of its delivery in vitro on the yield of chromosomal aberrations in the peripheral blood lymphocytes, 24:34270

Kinetics of Ca, Sr, Ba, and Ra in rats, 23:38424

Kinetics of Ca, Sr, Ba, and Ra in rabbits, 25:49090

Method for determining the mass of dust deposited on membrane filters by measurements of the absorption of beta rays, 25:57870

Occupational exposure to ionizing radiation, 23:26802

LINING, David Lees Nuclear reactor fuel elements, 23:16478

LININGTON, P. F. Channelling effects in high-resolution scanning electron microscopy, 25:40785

LINK, Bruce W. Techniques for recruiting and maintaining a research reactor operations staff, 21:35751

LINK, C. H. Jr. Classical model for gas—surface interaction, 25:43104

LINK, F. Solar activity variations and the production of ^{14}C by cosmic rays, 21:9275

LINK, H. Proton separation energies derived from (d,^{3}He) reaction on f-p shell nuclei at 52 MeV, 23:44880

LINK, L. E. 1000 MW(e) sodium cooled fast breeder reactor studies, 22:18517

Fast breeder reactor, 1000-Mw(e) metal-fueled, 21:5596 (ANL-7001)

LINK, W. T. Electron beams from 10^{11} to 10^{12} watt pulsed accelerators, 21:38093

LINKE, D. Principles and procedures for color radiography, 25:23749 (LIB/Trans-342)

Radiography within energy range 100 kV to 15 MeV with ORWOCOLOR films, 23:33360

LINKE, R. Results and importance of quantitative blood flow measurements through parabiotic tissue connections, 25:10915

LINKE, V. Angular decay correlations for process $\pi + N \rightarrow \text{rho} + N^*$ in Regge-pole model. I, 22:24658

Angular decay correlations for process $\pi + N \rightarrow \text{rho} + N^*$ in Regge-pole model. II, 22:24661

First and second class weak hadronic currents, 23:23437

Leptonic decays of baryons, 22:34941

Prediction of Re epsilon from K/sub l3/ decays, 23:8792

LINKE, Volkard Leptonic decays of polarized baryons, 24:1556

Leptonic decays of polarized baryons. II, 25:3339

LINKER-ISRAELI, Mariana Restoration of immunologic reactivity of thymectomized mice by calf thymus extracts, 21:18128

LINKISON, William Simpson Improvements in or relating to nuclear reactor fuel elements, 25:18249

LINKO, R. R. Irradiation preservation of foods. I, 25:32634

LINKOAHO, M. Debye temperature and coefficient of thermal expansion for V and Nb, 24:17296

LINKOUS, Guy F. Deployable radioisotopic thermoelectric generator, 24:50528

SNAP 19 TAGS 85/2N Viking and Pioneer application, 25:48748

LIN'KOVA, M. G. Preparation and radiation protective properties of some derivatives of beta-mercaptopropionic acid, cystamine, and cysteamine, 22:43378

LINKOVA, N. V. Absorption of γ quanta by Fe nuclei near the giant resonance, 23:37150

Photoabsorption cross section by ^{9}Be nuclei in the region of giant dipole resonance, 23:39949

LINKOVSKII, Zh. B. Mean equipment-failure rate over a given period of time, 25:41671 (SC-T-713039)

Motion of electric charges with ordinary and relativistic velocities, 22:24584

Reliability theory and durability, 25:41672 (SC-T-713040)

LINKOVSKII, Zhozef Equations for charged-particle motion in a constant magnetic field and variable electric field, 23:42806

LINLOR, William I. Method for degassing a vacuum system, 21:24191

LINN, Hans-Jochen Frequency multiplication in an electrostatic multipole field, 21:24930

Influence of an increasing magnetic field on a frequency-multiplying device in an electrostatic multipole field, 21:14970

LINN, J. R. Electromagnetic branching in ^{65}Zn, 25:17804

Measurements of precise internal conversion coefficients, 24:30727

LINN, T. A. Jr. Determination of fourteen common elements in rocks via activation analysis, 25:54

Neutron activation determination of gold in iron meteorites and inclusions, 22:18718

Neutron activation determination of vanadium in iron meteorites and sulfide nodules, 22:30474

LINN, Thomas A. Jr. Energy dispersion x-ray analysis in nonferrous mining industry, 25:51361 (CONF-710428-, Paper 1)

LINN, Thomas Arthur Jr. Concentrations and distributions of selected chemical elements in metallic, sulfide, and phosphide phases of Fe meteorites via neutron activation analysis, 22:37671

LINNA, T. J. Labelling of thymus and bursa of chicken with tritiated thymidine, 24:21054

LINNELL, Albert P. Computer solution of completely eclipsing binary light curves, 24:46878

Computer solution of the light curves of S Cancri, 25:16658

Weights in Kopal's iterative method for total eclipses, 25:6962

LINNELL, Paul C. Corneal necrosis after x-ray treatment, 21:28640

LINNEMANN, Roger E. Command radiation guidance, 22:49602

Evaluation of renal function, 23:45820

Medical support of nuclear weapon accidents, 22:28479

Regional approach to the management of radiation accidents, 25:58039

LINNENBOM, V. J. Determination of fluorine in seawater by photon activation analysis, 22:50944

LINNENBOOM, V. J. Naval research laboratory 60-MeV linac for photon activation analysis with particular reference to determination of fluorine in sea water, 22:27590

LINNER, Erik Complications following eye treatment with ^{90}Sr applicator, 23:50790

LINNERT, Gertrud Genetic analysis of a suppressor gene in Antirrhinum majus L, 22:40635

LINNERUD, H. J. Measurement of average fission-fragment electronic charge dependence on source thickness, 21:36437

LINNERUD, Harold Jacob Experimental investigation of fission fragment electronic charge loss, 22:45999

LINNET, C. Temperature effects on transition currents of Nb-alloy superconducting solenoids, 22:46074

Thermal quenching of He II, 23:36623

LINNETT, J. W. Oxidation of metals and alloys. II, 23:51003

LINNFORS, A. Alpha—gamma angular correlation and hyperfine interaction in decay of ^{249}Cf, 24:26643 (UUIP-651)

Alpha—gamma angular correlation in decay of ^{224}Ra, 24:49903

Automatic system for angular correlation measurements, 24:25330 (UUIP-673)

Automatic system for angular correlation measurements, 24:36582

Computer program for calculation of decoupling curves, 24:27402

Decay of ^{249}Cf, 25:20398

Electron spectrometers using a magnetic condensor lens, 22:10583

Indium-111 EC decay, 25:15028

Perturbations of α—γ angular correlation in decay of ^{224}Ra, 24:28782 (UUIP-660)

Table of perturbation coefficients for a free hyperfine interaction in a parallel external magnetic field, 25:22354 (UUIP-690)

LINNFORS, Alf Aftereffects of ^{111}In electron capture decay on ^{111}Cd γ—γ correlation, 22:42021 (UUIP-573)

LINNIK, V. M. Defect structure of γ- and x-irradiated alkali halide crystals, 24:35532

LINNING, D. L. Design and development of fuel and fuel elements for a prototype fast reactor, 22:18512

LINNING, David Lees Improvements relating to nuclear reactor fuel elements, 24:11333

Improvements to fuel elements, 25:15369

Steam turbines with hollow porous stator blades, 23:7671

LINQUETTE, M. Exploration by radioactive iodine of hyperthyroidism apparently cured by isotopic treatment, 21:12921

LINQUIST, R. H. Moessbauer studies of nickel oxide: bulk material and ultrafine particles, 22:20082

LINSAY, Ernest C. Stereochemistry of allylic rearrangements. XVI. Stereochemistry of ion-pair return in the trans-α,γ-methylphenylallyl p-nitrobenzoate system, 25:26224

LINSCHEID, A. Azimuthal angular distributions of secondaries from interactions of cosmic ray particles with emulsion nuclei, 21:33219 (INR-788/VI/PH)

LINSCHEID, Anna Azimuthal angular distributions of secondaries from interactions of cosmic ray particles with emulsion nuclei, 22:24677

LINSER, G. BEBC expansion piston, 25:34985 (CONF-700623-(Vol.2), pp 836-48)

LINSEY, Clarence W. High temperature enthalpies of the lead halides: enthalpies and entropies of fusion, 24:38687 (TID-25453)

LINSKER, R. Search for uncharged faster than light particles, 23:51850 (NYO-1932(2)-148)

Search for uncharged faster-than-light particles, 24:28499

LINSKER, Ralph Homogeneous main sequence models with convective cores. II, 23:22717

Production cross section of Lee—Wick hypothetical massive electromagnetic bosons by muons at high energies, 25:53107

LINSKY, J. Model atmospheres for late-type stars, 22:24000

LINSKY, Jeffery L. Pressure-induced opacity of molecular hydrogen in late-type stars, 23:36299

LINSKY, Jeffrey L. Missing opacity in the solar ultraviolet, 24:23669

Observations of the infrared triplet of singly ionized calcium, 24:25896

Relative residual intensities of the calcium H and K lines, 24:25897

Solar H and K lines, 24:28003

LINSLEY, John Cosmic radiation, 21:633 (NYO-3164-2, Lect. 7)

Simulation of nucleonic cascades as a means of studying fluctuations, 21:36445

LINSON, L. M. Triggering an aurora, 23:27452 (N-69-18839)

LINSON, Lewis M. Collisionless shocks in plasmas, 25:43347

Collisionless shocks in plasmas, 25:56147

Current-voltage characteristics of an electron-emitting satellite, 23:25228

Electrostatic electron oscillations in cylindrical, non-neutral plasmas, 25:27808

Formation of striations in ionospheric plasma clouds, 24:32741

LINSON, Lewis Martell Growth of fluctuations in a collisionless plasma subjected to an electric field, 21:33458

LINSTEDT, K. D. Determination of V in Colorado River waters, 21:35863

Electron activation analysis for the determination of carbon in submicrogram quantities of virus, 21:12326

Neutron activation analysis of V in natural waters, 24:112

LINSTEDT, K. Daniel Determination of vanadium in natural waters by neutron activation analysis, 24:9263

Vanadium concentrations in Colorado River Basin waters, 23:13685

LINTILHAC, P. Localization of chlorophyll in spinach chloroplast lamellae by fluorescence and electron microscopy, 21:4429 (UCRL-16806, pp 15-16)

LINTNER, Karl Radioinduced hardness changes of variously deformed aluminum samples, 24:30001

LINTNER, L. Our experiences with the treatment of malignant tumours of the tongue in the years 1950—1963, 24:48654

LINTNER, M. A. Flow simulation through graphics: a high-speed interpretation of reactor blowdown calculations, 25:31588 (CONF-710302-4)

PROJ: algorithm and computer programs for hidden line problem for single valued surfaces, 24:13673 (IN-1342)

LINTON, Donald B. Constrictive pericarditis following irradiation therapy, 23:20407

LINTON, Donald S. Jr. Comparison of results of pulmonary arteriography and radioisotope lung scanning in the diagnosis of pulmonary emboli, 25:49232

LINTONBON, R. M. Reactions of liquid Na with transition-metal oxides. III, 24:4264

Reactions of liquid sodium and liquid potassium with niobium pentoxide, 21:43557

Reactions of the oxides of niobium with liquid potassium, 24:36210

LINTZ, David O. Prog. rpt. on environmental background survey for AF NETF, final, 6/1/57—6/30/59, 21:8780 (AD-630605)

LINTZ, H. K. Comment on channeltron fatigue and efficiency for protons and electrons, 23:45597

LINTZ, Hans-Guenther Study of chemical gas—solid interactions by molecular beam technique. II, 24:46717
Study of chemical gas—solid interactions by molecular beam technique. III, 24:46716
LINUMA, T. Concept of human counter, 24:23250
LINUMA, T. A. Computer-focusing using appropriate Gaussian function, 24:12172
LINUSSON, H. Energy levels and gamma transitions in ^{70}Ga, 25:31290
Energy levels in ^{70}Ga and ^{72}Ga, 25:25690
Reaction ^{34}S(p,γ)^{35}Cl, 23:23655
LINUSSON, Hans Elastic proton scattering on ^{54}Fe, 24:10979
LINVILLE, F. A. Pre- and postshot structural survey: project Dribble, Salmon Event, 22:37899 (VUF-1029)
LIO, Masahiro Diagnosis and differentiation of constitutional hyperbilirubinemias using sequential scanning with ^{131}I-BSP (monoiodide), 25:21753
LION, M. B. Search for a mechanism for increased sensitivity of 5-bromouracil-substituted DNA to ultraviolet radiation, 22:31000
LION, Noel Remote positioning of a thermocouple, 24:50136
LION, Philippe Process for decontaminating radioactive waters, 25:42384
LION, Yves Internal radioprotection and electron delocalization, 23:33739
LIONS, J. Safety investigations of Na—water steam generators, 22:53354
LIONS, J. L. Conference on optimization, Nice, 6—7/69, 25:43526
LIONS, Jacques-Louis Maxwell equations applied to polarizable media and to Bingham magnetodynamic fluids, 24:45079
LIONS, M. Ductility of coldworked, annealed, and recrystallized states in alpha uranium, 23:33986
LIONS, N. CABRI Na loop, 22:53451
Detection of gases entrained in sodium at free surfaces, 21:30387
Development in France of liquid Na steam generators, 24:52909
Development in France of steam generators heated by liquid sodium, 24:52898
Engineering components for a sodium cooled fast power reactor, 22:18503
Experimental balance for quality assurance for Rapsodie, 22:47025
Experimental studies on sodium boiling, 22:51169
Instrumentation for sodium circuits, 21:28332
Instrumentation for sodium measurements in Rapsodie reactor. Functioning of principal components, 25:39289 (IAEA-119, 5p.)
LIONS, Noel Electromagnetic flow measurement device, 25:8400
Improvements in a cold trap with a filter, 24:36021
Measuring gas content of a flowing two-phase mixture, 23:9808
Remote positioning of thermocouples, 25:20842
LIOPO, V. A. Reaction of scandium oxide with tungsten trioxide, 21:22933
LIOSSATOS, P. S. Compositeness conditions in Bronzan's version of the Lee model, 22:46392
LIOSSATOS, Panagis Sotiriou Study of compositeness properties, 24:10811
LIOT, R. Orsay linear accelerator. II, 23:52088
LIOTTA, R. J. Two-particle Green functions and nuclear structure, 21:10108
LIOTTA, R. S. Regular representation of SU(3), 23:8822 (NP-17687)
Regular representation of the group SU$_3$, 23:15161
LIOTTA, Roberto J. Application of the Green function method to the nuclei ^{90}Zr and ^{86}Kr, 21:13889
LIOU, D. W. New technique for determining in heterogeneous media: plastic foam, 24:53023 (BDX-613-229)
LIOU, H. Resonance capture integrals of $^{166\ 167\ 168}$Er and $^{172\ 173\ 174}$Yb, 24:33156
LIOU, Horng-ing Neutron resonances in separated isotopes of Er and Y, 24:15870 (NYO-72-190)
LIOU, M. K. Analysis of the potential model nucleon—nucleon bremsstrahlung, 23:13344
Internal scattering amplitudes for bremsstrahlung, 25:31444
Kπ resonances, 22:15772
Low-energy nucleon—nucleon bremsstrahlung, 24:40303
Low-energy theorem for nucleon—nucleon bremsstrahlung, 25:3756
Non-coplanar proton—proton bremsstrahlung calculations including the relativistic spin corrections, 25:19947
LIOZNER, Alexander L. Tumor-induced skin heterogenization. III. Immunologic and immunogenetic mechanisms, 25:13388
LIPA, J. A. Second-sound attenuation in rotating He II close to the lambda point, 21:18550
Velocity of second sound near the lambda point of helium, 22:34546
LIPA, M. CO$_2$-gas laser for continuous heating of plasma source in "Wendelstein" stellarators, 23:23065 (IPP-2/73)
LIPANINA, A. A. Effect of treatment of steel with Trylon B on its hydrogen absorption, 25:8842
LIPAS, P. O. K = 1,2,3 octupole vibrations, 22:20705
New formula for rotational energies, 22:48619
Nilsson model for deformed phonons, 23:34817
Projection model for ground bands of even—even nuclei, 24:35876
Quadrupole—octupole vibrations in spherical nuclei, 25:15157
LIPATOV, L. I. Double logarithmic asymptotics of e^+e^- annihilation into arbitrary number of photons, 23:30727
LIPATOV, L. N. Bremsstrahlung in backward e^+e^- scattering as multi-Regge process, 25:59369
Bremsstrahlung in e^+e^- backward scattering at high energies, 25:59374
Certain processes of quantum electrodynamics at high energies, 24:10831
Double logarithmic asymptotics in quantum electrodynamics, 21:40280
Double-logarithmic asymptotics of bremsstrahlung at the electron—positron backward scattering, 22:1409
Doubly logarithmic asymptotic expression in quantum electrodynamics, 21:4118
Electron—positron backward scattering at high energies, 21:44309
Interference between Coulomb and strong interactions at high energies, 25:43607
J-plane singularities of $e^-\mu^-$ scattering amplitudes, 23:36887
Leading singularity in complex angular momentum plane in the quantum electrodynamics, 25:14802
Motion of Coulomb poles in J-plane in quantum electrodynamics, 22:37144
Quantum electrodynamics at high energies, 25:33625
Three-particle production amplitude at high energies and large momentum transfers, 24:18298
Three-particle production at high energies, 24:45613
Vacuum pole in quantum electrodynamics, 24:18121
LIPATOV, V. P. Improved linear electron accelerator at the Institute of Atomic Energy, 21:40325
Increasing the power of a linear electron accelerator, 25:9938
LIPCHAK, J. B. Nuclear Instrumentation System: topical report, 25:36995 (WCAP-7669)
LIPCHIN, N. N. Effect of the form of ferrite on the recrystallization of steel in fractures, 22:19548 (UCRL-Trans-10227)
LIPCHINA, L. P. Changes in lethal effect of irradiation of cells cultivated outside of organism due to chemical compounds, 25:11106
Enhancement of radiation action by inhibitors-antioxidants, 23:12214
Enhancement of radiation effect by phenol compounds and quantitative appraisal of their radiosensibilizing action, 24:34587
Growth kinetics of solid lymphosarcoma NKLy after action of ionizing radiation in different doses, 22:43460
Heterogenous reaction of solid lymphosarcoma to the combined action of 5-desoxyuridine and x-rays, 24:34705
Radiation damage in case of inhibition of DNA synthesis, 25:44887
Radioautographic studies of the effect of x rays on the ascites lymphoid leukemia cells in mice, 21:18130
Radioautographic studies of the transplanted leukemia in mice, 21:22509
Radiosensitizing action of halogen substituted thymidine analogs, 23:6577
LIPELES, M. Formation of excited carbon ions in He$^+$ + CO collisions, 23:32166
LIPELES, Martin Charge-transfer excitation of Ar$^+$ in low-energy He$^+$ + Ar collisions, 25:38152
Energy dependence of 4610- and 4765-A lines of Ar$^+$ excited in low-energy He$^+$ + Ar collisions, 24:32659
Simple model for vibrational transfer in ion—molecule charge-exchange excitation, 23:41961
LIPERA, Joe Respiratory protection at nuclear research facility, 22:28481
LIPEROVSKII, V. A. Decays of Langmuir waves into ion—acoustic waves when electron beam interacts with plasma, 22:3057
Interaction of Langmuir plasmons, 23:44466
Nonlinear interaction of ionic sound waves in a turbulent plasma, 22:9348
Nonlinear production of plasma waves by beam of transverse waves. II, 21:5276
Spectra of Langmuir plasma turbulence, 24:3432
Turbulence spectra of solar coronal plasma and structure of radar signal. I, 25:45250
LIPES, R. Experimental consistency of multi-Reggeism in a high-energy reaction, 23:14985
LIPES, Richard Diffraction model for high-energy pp scattering, 22:20279
LIPES, Richard G. Application of multi-Regge theory to production processes, 25:3389
LIPES, Richard Gwin Application of multi-Regge theory to production processes and high-energy model for proton—proton scattering, 24:18226
LIPETS, A. I. Changes in the content of electrolytes under the influence of radioiodine treatment in patients suffering from diffuse toxic goiter with a severe form of thyrotoxicosis, 25:55340
LIPIEC, J. Pinch effect in electrical explosions of metal cylinders, 25:47516
LIPIEC, Tadeusz Spectrophotometric determination of V(V) using nicotinic acid hydrazide, 21:42887
LIPIN, Yu. V. Neutron-diffraction equipment with variable wave length, 23:29254
Neutron-diffraction study of W$_2$C rhombic modification, 23:14411
LIPINSKI, A. Detectors of radiation and their application to the investigations of cosmic space, 25:15896
Semiconductor detectors and application to cosmic space, 24:16853
LIPINSKI, H. M. Expansion (O(4)) of off-shell scattering amplitudes, 23:15263
O(4) expansion of Bethe—Salpeter equation for πrho scattering, 23:25619
O(4) symmetry and the Regge trajectory of the pion, 23:3708
Regge trajectory of the pion in N anti N Bethe—Salpeter equation, 24:13052
Symmetry (O(4)), N anti N scattering, and the Regge trajectory of the pion, 23:15099
Toller quantum number M and small-t S-channel helicity amplitudes, 23:15262
Unique determination of three proton—proton scattering parameters at 9.69 MeV, 21:46665
LIPINSKI, Hubert M. Backward πN scattering, 25:14707
Comment on the $^1S_0$ nucleon—nucleon effective-range expansion parameters, 25:56529
LIPINSKI, Hubert Maria Regge trajectory of the pion, 24:18169
LIPINSKI, Stanislaw Metabolism of selenium compounds in the rat, 23:14124
The role of the nervous system in the mechanism of primary reactions after irradiation, 24:2782
LIPINSKI, W. C. EBWR—Pu transfer functions, 21:38523
Instrumentation systems to protect LMFBR core integrity, 25:31574 (ANL-7793)
Wide-range counting-Campbelling neutron-flux detection system, 22:303 (ANL-7224)
LIPINSKI, Walter C. Optimal digital computer control of nuclear reactors, 23:23878 (ANL-7530)
Optimal digital computer control of nuclear reactors, 24:41066
LIPIS, L. V. Solvation of UO$_2$Cl$_2$ by TBP, 25:37390
LIPIS, P. O. Relativistic quantal oscillator, 24:20189
LIPKA, Jozef Preparation of Moessbauer source, 25:9595
LIPKAN, N. F. Principles of radiation biology and biochemistry, 23:5007
LIPKIN, D. M. Unified theory of continuous matter and action, 23:25697
LIPKIN, H. J. Application of group Sp(4) or R(5) to nuclear structure, 23:19364
Broken SU(6) predictions for baryon production with polarized vector mesons, 25:53212
Configuration mixing in the baryon octet, 25:47867
Experimental evidence for a violation of a quark model prediction at the baryon vertex, 25:47891
Group theory and theoretical physics, 25:59530
Independent quark model, 22:17928
Magnetic charge quantization and angular momentum, 23:42721
Meson—baryon and baryon—baryon reactions in quark model, 21:9797
Mirror transitions and second class currents, 25:20535
Missing SU(3) multiplets and SU(6)/sub W/ selection rules, 21:4077
No-go theorem for duality and baryon—antibaryon scattering, 24:40364
Nuclear physicist's view of some results of current algebras, 22:9645
Pairing plus monopole interactions in a solvable model, 22:20749
Particle physics for nuclear physicists, 24:24262
Quark models, universality, symmetry, and high-energy scattering, 21:2506
Quarks and higher symmetries, 22:9576
Quarks and symmetries, 22:13822 (PUC-937-285)
Scattering of positrons and electrons by nuclei, 23:34733 (AD-681054)
Some theoretical aspects and concluding remarks, 23:13088 (ANL/HEP-6812, pp 198-214)
Spectrum of hadrons, 24:40352
Symmetry without symmetry in the quark model, 21:27394
U(3) transpositions and isospin—U-spin transformation, 23:18939
Universality sum rules and SU(3) symmetry breaking, 25:40977
Validity of many-body approximation methods for a solvable model: the deformed Hartree-Fock solution, 21:4367
Vector dominance in photoproduction, 22:32085
LIPKIN, Harry J. Additional experimental proof of CP nonconservation, 23:13119
CP violation and coherent decays of kaon pairs, 23:15093
Exchange degeneracy, flat total cross sections, and the absence of exotic resonances, 23:23455
Groups, symmetries and quarks. I, 22:22420 (PUC-937-304)
Groups, symmetries, and quarks. II, 22:37093 (PUC-937-324)
Hadron spectrum, 24:6713
Importance of etaπ decay mode in split A$_2$ decay, 23:13092
Interference, mixing, and angular correlations in decays of boson resonances, 23:15103
Intrinsic orbital angular momentum and W spin, 21:37888
Isospin and U-spin dependence of hadron—nucleon total cross sections, 23:3740
Lambda and Σ^0 production in peripheral reactions, 21:17128
Lie groups for pedestrians, 21:4066
Nuclear concepts related to elementary particle physics, 22:20737
Polarization predictions and the quark and peripheral models, 25:1487
Quark model as a guide to hadron dynamics, 24:52061
Quarks, symmetries, and groups: survey for pedestrians, 22:22432 (PUC-937-294)
Resonance physics, 25:7621 (CONF-690608-, pp 53-60)
Resonance spectroscopy, 24:21973
Second-class currents and experimental nuclear mirror asymmetry, 25:50837
Simple branching ratios and sum rules in peripheral reactions, 22:52982
Some implications of the quark model for high energy scattering, 21:31575
Spin treatments in the quark model for high-energy scattering, 23:46684
Strong and weak decays with meson emission in the quark model, 21:44360
Universal exchange degeneracy and a new method for analysis of total cross sections, 25:25403
Why we need better high energy total cross section measurements, 22:13733 (PUC-937-284)
LIPMAN, A. Spin-echo attachment to Varian HA-100 NMR spectrometer, 24:48351
LIPMAN, N. CP violating $\Delta I = {}^3/_2$ current in the K/sub L/° decays to 2 pions, 24:18254
LIPMAN, N. H. Decay of long-lived neutral kaons into two neutral pions, 23:14960
Neutron polarization in π^-p charge-exchange scattering at 310 MeV, 24:49328

LIPMANOV, E. M. Broken mirror (V + - A) symmetry of weak interactions of elementary particles, 23:10841
  Concerning (V + A) currents in weak interactions of elementary particles, 22:32111
  Consequences of γ_5 invariance for lepton-pair decays of neutral kaons, 23:3697
  Critical experiment for the hypothesis of neutral lepton currents in CP-odd /ΔS/ = 1 superweak interaction, 21:19041
  Diagonal and nondiagonal electromagnetic interactions in colliding-beam experiments, 24:45459
  Model of unified weak and strong interactions on basis of broken (V -+ A) symmetry, 24:28523
  Neutral lepton currents in a new CP-odd, ΔS absolute value = 1, ultraweak interaction of fundamental particles, 21:37766
  Possible experimental manifestations of (V + A) currents in weak interactions of elementary particles, 22:1425
  Unitary structure of the parity- and strangeness-changing nonleptonic weak interaction, 22:29677
LIPNICKI, D. Properties of a coagulase-negative mutant of S. aureus, 24:2623
LIPNIK, P. Beta decay of /sup 176m/Lu, 23:31050
  Beta—gamma directional correlation measurements in decay of ^{144}Ce and ^{166}Dy, 23:31051
  Experimental test of the analogy between muon and radiative pion capture, 22:26572
  First-forbidden beta-transitions between K-mixed states, 22:9976
  Hyperfine effect in the mu-mesonic ^{11}B atom and information on ^{11}Be from muon capture measurements, 23:7229
  Information on ^{11}Be from muon-capture measurements, 23:44832
  Method to measure neutrino-gamma angular correlation in muon-capture, 22:7764
  Muon capture in B and O, 22:9785
  Muon partial capture rate measurements in ^{6}Li, ^{11}B, and ^{16}O, 23:30962
  Muon partial capture rates in ^{16}O and the induced pseudoscalar coupling constant in muon capture, 23:23635
  Nuclear matrix elements of first-forbidden beta transitions in the Nilsson model, 22:3781
  Partial muon-capture rate measurements in ^{16}O, 23:44833
LIPOVETSKII, S. S. Autoionizing states in helium-like ions, 25:55820
LIPOVETSKII, V. A. Absorbing material in clusters of galaxies, 23:36460
  Measurement of the intensity of low-energy protons in the upper atmosphere, 25:17032
LIPOVKA, N. M. Radio emission of components A and B of the quasar 3C 273, 23:25043
  Rapid fluctuations of radio emission of quasar 3C-273, 24:25852 (CSIRO-Trans-9716)
  Structure of the radio source Sagittarius A, 25:58624
  Variability of radio sources at 6.6 cm wavelength, 23:41821
LIPOVSKII, A. A. Application of alkylammonium salts for dissolution of inorganic compounds. III, 23:28846
  Application of alkylammonium salts for dissolution of inorganic compounds. V, 23:28847
  Application of alkylammonium salts for dissolution of inorganic compounds. IV, 23:28975
  Application of alkylammonium salts for dissolution of inorganic compounds. VI, 23:43311
  Application of alkylammonium salts to dissolution of inorganic compounds. II, 23:21687
  Compounds formed on extraction of U^{4+} from $H_2C_2O_4$ solutions with trioctylamine, 23:9529
  Concerning extraction of U(VI) from aqueous solutions of HF + $H_2C_2O_4$ with trioctylamine, 24:2288
  Extraction of H_2SO_4 and U(VI) by solutions of trioctylamine, 24:44072
  Infrared spectra and structure of compounds produced by acetic acid and U(VI) extraction of trioctylamine solutions, 21:21946
  Infrared spectra and structure of compounds formed by extraction of HNCS and U(VI) by solutions of trioctylamine, 22:18797
  Investigation of complex formation in the extraction system UO_2^{2+}—HF—HNO_3—TOA by spectroscopic methods, 24:19072
  Investigation of complex formation in the system UO_2^{2+}—H_2SO_4—HF—TOA, 25:18381
  Investigation of extraction of U(VI) by trioctylamine from H_2O—HNO_3—$H_2C_2O_4$ solution, 23:49911
  Oxalatonitrate compounds of uranyl, 23:49786
  Spectroscopic investigation of U(IV) and U(VI) extraction from hydrochloric acid solutions by neutral phosphororganic compounds, 22:6406
  Studies of tetra- and trialkylammonium uranyl triacetate in organic solvents, 21:32178
  Uranyl oxalatofluoride complexes, 24:2199
LIPOWSKI, L. Concrete as protection against ionizing radiation, 24:37008
LIPP, A. Boron carbide containing aluminum, 25:32824 (LA-tr-71-19)
LIPP, Alfred Boron carbide: production, properties, and applications, 24:17355 (BNWL-tr-44)
LIPP, L. C. Effect of radiation and additives on graphite lubricants for high temperature applications, 22:8827
LIPP, Steven A. EPR studies and reaction of tetrasulfur tetranitride in sulfuric acid, 24:26884 (UCRL-19183)
LIPPARD, Stephen J. Reactions of eight-coordinate metal cyanide complexes. II, 24:20771
LIPPARINI, L. Separation and determination of sixteen metal ions by radial paper chromatography, 25:35
LIPPE, Richard D. Simple, reliable method for producing hypothyroidism in the dog and thyroid function tests in normal and hypothyroid dog, 25:21557
LIPPERHEIDE, R. Energy dependence of phenomenological optical-model potentials, 22:27262
  Quasi-free scattering processes, 25:15156
  Semi-phenomenological nuclear optical-model potential, 21:31860
  Theory of isobaric analog resonances, 22:5893
LIPPERT, E. Spectroscopic investigation on carboxylic acid solutions in the far infrared, 22:2067
LIPPERT, J. Applications for semiconductor detectors in health physics, 23:11806
  Environmental radioactivity in Denmark in 1966, 22:10357 (RISO-154)
  Environmental radioactivity in Denmark in 1967, 23:9571 (RISO-180)
  Environmental radioactivity in Denmark, 1968, 24:21101 (RISO-201)
  Environmental radioactivity in Denmark, 1969, 25:16139 (RISO-220)
  Environmental radioactivity in Faroes in 1968, 24:4589 (RISO-202)
  Environmental radioactivity in Greenland, 1965, 21:20182 (RISO-132)
  Environmental radioactivity in Greenland in 1966, 22:10359 (RISO-156)
  Environmental radioactivity in Greenland in 1967, 23:12071 (RISO-182)
  Environmental radioactivity in Greenland, 1968, 24:7768 (RISO-203)
  Environmental radioactivity in the Faroes, 1965, 21:16340 (RISO-131)
  Environmental radioactivity in the Faroes in 1966, 22:10358 (RISO-155)
  Environmental radioactivity in the Faroes in 1967, 23:12070 (RISO-181)
  Environmental radioactivity in the Faroes in 1969, 25:4476 (RISO-221)
  Europium-155 in debris from nuclear weapons, 21:36163
  Oxidation-stripping technique of thin N-type Si films, 23:42441
  Prog. rpt. on environmental radioactivity in Denmark, annual, 1965, 21:14329 (RISO-130)
  Prog. rpt. on environmental radioactivity in Greenland, 1969, 25:16080 (RISO-222)
  Relative radionuclide ratios in debris from the third and the fifth Chinese nuclear test explosions, 21:17750
LIPPERT, T. H. Liquid scintillation measurement of ^{14}C in aqueous solutions of feces and urine, 23:24109
LIPPERT, W. Changes in electron microscopic sections by decreasing electron beam and on the structure of imbedded tissues, 21:17969
LIPPERTS, H. Separations of low abundant rare earth isotopes, 25:44516 (BMBW-FBK-70-28, pp 203-8)
LIPPINCOTT, E. P. Derivation of corrections to K infinity in the two-group approximation, 25:37111 (BNWL-1560)
  Initial critical experiments using HTLTR, 22:33075
  Measurement of Kinfinity of ThO_2—$^{233}UO_2$ HTGR lattice, 24:33252
  Measurement of the temperature dependence of K infinity for a $^{233}UO_2$—ThO_2 HTGR lattice, 25:36988 (BNWL-1561)
  Measurement of the temperature dependence of K/sub infinity/ for a $^{233}UO_2$—ThO_2 HTGR lattice, 25:39233 (BNWL-SA-3756)
  Nuclear structure of ^{40} ^{42} ^{44} ^{48}Ca from inelastic alpha-particle scattering, 22:3651
  Reaction $^{48}Ti(\alpha,\alpha')$ and systematics of octupole states in Ti isotopes, 22:41988
  Spatial distributions of neutrons and protons in surface of ^{48}Ca, 24:1797
  Temperature dependence of K infinity for a THO_2—$^{233}UO_2$ HTGR lattice, 25:41570
  Thermal neutron radiography with Plutonium Recycle Critical Facility, 24:36525 (BNWL-1373)
LIPPINCOTT, E. R. Infrared studies on glycine and its addition compounds, 21:1359
  Infrared studies on some ferroelectric compounds of glycine, 21:1360
LIPPINCOTT, Ellis R. Vibrational spectra of single crystals, 24:27085
LIPPINCOTT, James A. Ultraviolet-induced changes in infectivity of Agrobacterium tumefaciens, 21:22807
LIPPINCOTT, S. W. Protein catabolism in young mice following whole-body x irradiation, 23:33645
LIPPINCOTT, Stuart W. Early neuropathlogical responses to 2.2-GeV protons in rabbits, 22:47592
  Effects of electrons on pig skin, 24:25573
  Influence of spatial distribution of ionization on skin carcinogenesis using proton and alpha bombardment, 22:51934
LIPPITSCH, J. Advances in steam generator design, 24:29010
LIPPMAA, E. Receiver channel of a proton NMDR spectrometer, 24:7698
LIPPMANN, B. A. Operator for time delay induced by scattering, 21:5426
LIPPMANN, Bernard A. Scattering theory, 24:20247 (UCRL-6734)
  Unique definition of the quasi-stationary state for resonant processes, 25:9209
LIPPMANN, Hans Joachim Hall generators, 24:19711
LIPPMANN, M. The clearance of radioactive particles from the human lung, 21:32600
LIPPMANN, Morton Deposition and clearance of radioactive particles in the human lung, 21:24424
LIPPOK, W. Model experiments on fluid flow in the transition zone from unsaturated to saturated soil, 22:16800
LIPPOLD, J. Multiple scattering of low-energy heavy particles, 24:42529
LIPPOLD, P. C. Degradation of insecticides by ^{60}Co gamma radiation, 24:34101
  Effects of ionizing radiation on the European chafer and large milkweed bug, 22:28691
  Gamma irradiation of the European chafer. 2. Determination of sterlization dose levels for adults, with notes on rearing techniques, 25:49276
  Gamma irradiation of the European chafer. I. Irradiation of third-stadial larvae, with observations on spermatogenesis, 25:49279
  Plastic enclosures for in vivo radioassay of insects, 21:41352
LIPPOLD, W. J. Monte Carlo simulation of surface-type neutron moisture gauge, 24:9701
LIPPOL'DT, Kh. Measuring projector for the treatment of photographs from bubble chambers, 23:2650
  Semiautomatic apparatus for camera photographs from bubble chambers, 23:2649
LIPPOLT, H. J. Composition of excess Ar in Schwarzwald fluorites, 21:186
LIPPS, A. J. Experiment description and safety analysis for 13 (U,Pu)C-fueled experimental MkA capsules, 24:46045 (WARD-3791-33)
LIPPS, A. J. Jr. Evaluation of vented-to-coolant design for sodium-bonded carbide fuel rods, 23:33054 (WARD-2000-31)
LIPPS, F. W. Dirac theory with symmetric tensor coupling and its application to the gravitational red shift, 25:50180 (ORO-3992-21)
LIPS, K. Mixed-configuration shell-model calculations for nuclei with N = 28, 20 < Z less than or equal to 28, 25:1779
LIPS, Kathleen Elizabeth Mixed configuration shell model calculations for nuclei with N = 28, 20 < Z less than or equal to 28, 25:34190
LIPSCHULTZ, F. P. Phonon dispersion relation for HCP ^{4}He with molar volume of 21.1 cm^3, 22:39153 (BNL-12596)
LIPSCHULTZ, Frederick Phillip Propagation of shear and compressional sound in solid helium, 21:9500
LIPSCHUTZ, M. E. Activation analysis technique for determining trace elements in rocks and chondrites, 24:31265
  Bismuth contents of chondrites, 24:15000
  Measurement of seventeen trace elements in eight geochemical standards, 24:152
  Thallium contents of chondrites, 24:46820
  Trace activation analysis of element groups with computer reduction of Ge(Li) spectra, 23:31310
  Vanadium isotopic composition and contents in chondrites, 25:794
LIPSCOMB, N. Thornton Kinetics of γ-radiation-induced polymerization of methyl methacrylate in the solid state, 21:23928
LIPSCOMB, Paul R. Determination of vascular status of pedicle skin flaps, 24:14387
LIPSCOMBE, B. A. SPECIFIC II: Monte Carlo program for high energy neutron spectrum estimation, 25:38839 (AERE-R-6622)
  Structure of data files 78 and 79, for niobium, and file 81 for molybdenum in UKAEA nuclear data library, 24:3913 (AERE-M-2230)
  Subroutines INTEG B and DRAWG of the Monte Carlo Program SPECIFIC, 24:5436 (AERE-M-2248)
LIPSCOMB W. N. Chemical shifts of ^{11}B in icosahedral carboranes, 21:4515
LIPSETT, J. J. Delayed neutron failed fuel location system, 24:28871
  Locating fuel failures by fission product deposition in CANDU—PHW reactors, 22:9984 (AECL-2786)
  Reactor performance of defected Zircaloy-clad U_3Si fuel elements in pressurized and boiling water coolants, 22:47038 (AECL-3106)
LIPSHUTZ, Herbert Combined treatment for cancer of head and neck, 24:32137
LIPSHUTZ, N. R. Breakdown of scaling invariance in generalized Bjorken limit of perturbation theory, 25:1438 (AD-706834)
  Breakdown of scaling invariance in generalized Bjorken limit of perturbation theory, 25:30783
  Electromagnetic mass difference of kaons, 22:13818
  Representations of algebra of currents at infinite momentum, 22:35044
  Sum rules and the electromagnetic mass difference of pions, 22:24591
LIPSHUTZ, Nelson R. Schmid loops, nucleon resonances, and dynamics on Argand diagram, 23:36944
  T violation and off-mass-shell corrections to proton Compton scattering, 21:37882
LIPSICAS, M. Superconducting Al films, 23:36627
LIPSICAS, Max Application of frequency locking and control to autodyne oscillating NMR detector, 24:45372
  Prog. rpt., annual, 2/70—2/71, 25:20876 (NYO-3978-4)
LIPSKI, Slawomir Effect of O-enriched inspired air, on survival of mice irradiated with 500, 550, and 600 R, 25:19123
  Turnover of ^{3}H-noradrenaline in mice hearts after irradiation with x-rays, 25:21889
LIPSKIER, Marcel Electric conductivity of UO_2 under effect of neutron flux, 23:14421
  Electronic control of fritted UO_2 tablets before and after irradiations with neutrons, 21:42175
LIPSKY, L. Calculation of electron scattering and photoionization cross sections, 25:2903
  Continuum processes involving atomic systems with configurations $1s^2$...3p/sup q/, 24:23806
LIPSKY, Lester Electron-impact excitation of 2S state and autoionization in He^+, 22:2783
  Multichannel photo-ionization of atomic systems, 21:11443
LIPSKY, Sanford Angular dependence of differential cross sections for electron excitation of singlet → triplet transitions, 24:47034
  Design of a low energy electron impact spectrometer, 23:20041 (COO-913-32)
  Electron-impact excitation of He transitions, 25:995
  Note on radiative transitions, 24:22519 (COO-913-39)
  Scintillation efficiency of benzene, 23:2614
LIPSON, E. D. Parity admixtures in nuclear forces in ^{180}Hf and ^{159}Tb, 25:41233
LIPSON, H. Intensity anomalies in x-ray diffraction pattern of Ni_3Nb, 23:51067
LIPSON, Leon W. Protection against lethal irradiation injury by pancreatic enzyme exclusion, 22:21547
LIPSON, S. G. Do faster-than-light group velocities imply violation of causality, 23:42736
  Induced superconductivity in germanium films, 25:14161

- LIPTAI, R. G. Acoustic emission techniques in materials research, 24:46445 (UCRL-72582)
  - Acoustic emissions generated during phase transformations in metals and alloys, 23:3072 (UCRL-50525)
  - Acoustic emissions generated during phase transformations in metals and alloys, 24:32454
  - Effects of high pressure on the phase equilibria of some plutonium alloys, 21:6834
  - Formation of substructure in alpha-plutonium at high pressures, 22:8778
  - High pressure crystal growth of alpha plutonium, 23:38986
  - High pressure crystal growth of alpha plutonium, 23:41569
  - Metallographic and x-ray studies of alpha plutonium, 21:9188 (RFP-658, pp 185-94)
  - Pre- $\alpha \rightarrow \beta$ transformation in Pu, 21:16616
- LIPTAI, Robert G. Acoustic emission from composite materials, 25:26141 (UCRL-72657)
  - Deformation of crystals of alpha plutonium in compression, 24:42137 (UCRL-72507)
- LIPTAK, J. Decay of ^{159}Ho, 22:13995 (JINR-P6-3634)
  - Decay of ^{170}Lu, 23:15449
  - Gamma-ray investigation of different silver isotope decay, 23:49419
  - Gamma-ray spectrum from radiative capture in Cs, 23:15450
  - Gamma-ray spectrum from radiative capture in Cs, 23:49386 (BNL-tr-284)
  - Investigation of γ rays from neutron capture on Ba and Pr, 23:40073
- LIPTAK, L. Gamma-ray spectra from resonance neutron capture on Cs and Ba, 22:27161
- LIPTAK, Ya. Collective levels of type I^{π} K = $0^{+}0$ in ^{166}Er nucleus, 22:9861
  - Decay ^{166}Tb—^{166}Dy, 21:31776 (JINR-P6-3312)
  - Decay ^{155}Tb $\rightarrow$ ^{155}Gd, 21:1072 (JINR-E-2908)
  - Decay ^{83}Sr, 23:10987
  - Decay chain of ^{138}Nd $\rightarrow$ ^{138}Pr $\rightarrow$ ^{138}Ce, 22:3695 (JINR-P6-3541)
  - Decay chain of ^{140}Nd $\rightarrow$ ^{140}Pr $\rightarrow$ ^{140}Ce, 21:38298 (JINR-P6-3348)
  - Decay mode of ^{158}Er, 22:1652 (JINR-P6-3496)
  - Decay of ^{106m}Ag, 22:35352
  - Decay of ^{106}Rh, 22:9869
  - Decay of ^{149}Gd, ^{149}Eu, and ^{151}Gd, 21:31826
  - Decay of ^{158}Ho, 22:5814 (JINR-P6-3464)
  - Decay of ^{170}Lu, 22:1649 (JINR-P6-3452)
  - Decay of ^{170}Lu, 23:11003 (UCRL-Trans-10306)
  - Decay of ^{70}As, ^{71}As, and ^{72}As, 22:35284
  - Decay of Pm fraction isotopes, 22:1650 (JINR-P6-3471)
  - Decay scheme of ^{158}Er, 23:8979
  - Decays of ^{143}Pm, ^{144}Pm, and ^{146}Pm, 24:43459
  - Gamma emission from ^{66}Ga, ^{67}Ga, and ^{72}Ga, 22:37317
  - Gamma emission from ^{81}Rb, ^{82m}Rb, ^{82}Rb, ^{83}Rb, and ^{84}Rb, 22:35283
  - Gamma radiation of ^{69}Ge, 22:20500 (JINR-P6-3698)
  - Gamma spectra of Ba isotopes produced by (n,γ) reactions, 22:35350
  - Gamma-ray from resonance neutron capture in Ba and Pr, 22:29988 (ANL-Trans-605)
  - Gamma-ray spectra from resonance neutron capture in Ba and Pr, 22:22580 (JINR-P3-3696)
  - Gamma-ray spectrum from radiative capture in Cs, 22:22581 (JINR-P3-3697)
  - Gamma-ray spectrum from radiative capture in Cs, 22:29989 (ANL-Trans-604)
  - Gamma-ray spectrum of ^{143}Ce, 21:27586
  - Gamma-ray spectrum of ^{147}Nd, 21:27589
  - Investigation of ^{182}Ta γ-irradiation by semiconductor spectrometer, 21:9999 (JINR-P6-2979)
  - Isomeric state of I/sup π/ = $^{11}/_{2}^{-}$ (h/sub $^{11}/_{2}^{-}$/)^{137}Nd and ^{137}Pr type, 22:5815 (JINR-P6-3468)
  - Mass distribution of U fission fragments induced by neon ions, 21:40427 (JINR-P7-3424)
  - New ^{134}Nd isotope and its decay products, 22:37344 (JINR-P6-3823)
  - New isotope ^{134}Nd and its decay products, 23:11029
  - Studies of ^{147}Gd and ^{147}Eu decay, 21:42619
  - Studies of the ^{138m}Pr decay scheme, 22:39666
  - System of collective levels of I π K = $0^{+}0$ type in ^{166}Er nucleus, 21:1073 (JINR-P-2820)
  - Three-quasi-particle levels in ^{163}Er, 22:9863
  - Ytterbium-169 levels in ^{169}Lu decay, 25:28433
- LIPTAKOVA, G. Measurements of ^{131}I activity in solid and liquid plant specimens, 21:41410
  - Preparation of biological samples containing radioiodine for radioactivity measurement, 22:22953
- LIPTAKOVA, Gizela Determination of radioactive iodine in plants, 21:4463
  - The determination of iodine isotopes in plants, 22:8535
- LIPTON, A. Resolution and efficiency in electronmicroscopic autoradiography using radioactive calcium, 23:38393
- LIPTON, W. J. Conclusions about radiation, 23:3005
- LIPTON, Werner Can atomic energy protect food from decay, 23:20460
- LIPTRAP, R. M. ^{131}I retention in the plasma of rabbits, 24:48389
- LIPUNOV, A. D. Epithermal neutron converter of B-2 beam of the BR-5 reactor, 22:18565
  - Field of intermediate energy neutrons in carbon, 23:46537
  - Propagation of intermediate neutrons in shielding medium, 23:37659
- LIPWORTH, E. Electric dipole moment of the Cs atom, 23:5224
  - Permanent electric dipole moment of Cs atom, 24:1270
  - Upper limit to electric dipole moment of free electron, 21:41763
- LIPWORTH, Edgar Electric dipole moment of the neutron, 23:18786
- LIQUORNIK, D. L. Shock-tube molecular beam for O at 3 eV, 21:31252
- LIQUORNIK, M. Ion exchange in molten salts. I, 22:42832
- LIRAG, Rufino C. Jr. Statistical study of the pressure fluctuations in a fluidized bed, 25:46399 (RPI-3639-15)
- LIRAN, S. Adjusted nuclear masses for 130 less than or equal to A less than or equal to 208, 24:1825
  - Current semiempirical mass equations and improved shell model nuclear masses, 25:28291 (CERN-70-30(Vol.1), pp 165-216)
- LIRA-OLIVARES, Joaquin Study of nickel—tungsten alloy (Ni,W) with field-ion-field-emission microscopy, 25:22101 (UCRL-20330)
- LIRONES, Nick George Method of producing shaped products of sintered powders, 22:638
- LIS, Adam W. Effects of uv on RNA C-C glycosyls and other derivatives of uracil, 21:20104
- LIS, Edward F. Responsibility of medicine for meeting risks: panel discussion and summation, 22:51607
- LIS, Elwira K. Dispersing of radioactive Na and K on plants, 23:29332
- LIS, S. Physico-chemical properties of lanthanide complexes with thenoyltrifluoroacetone. I, 25:34502 (INR-1247)
- LISACHENKO, E. P. Accumulation of ^{137}Cs by hyponeiston, 24:7796
  - Concentration of ^{137}Cs in hair and in the body, 25:16121
  - Lead-210 and ^{210}Po in Arctic regions of northeast, 24:12032 (AEC-tr-7128, pp 180-93)
  - Method of determining ^{210}Pb, 24:29224
- LISAGOR, W. B. Coated refractory metals for high-temperature structural components, 21:9069
  - Oxidation and embrittlement in silicide-coated Nb alloy aluminide-coated Ta alloy sheet, 23:48330
- LISAK, Robert P. Antibodies to encephalitogenic basic protein in experimental allergic encephalomyelitis, 23:35802
- LI SANG KYN Decay of ^{158}Ho, 22:5814 (JINR-P6-3464)
- LISCHKE, B. Determination of fluxoid quantum in superconducting tubes. II, 24:47168
  - Direct observation of quantized magnetic flux in superconducting hollow cylinder, 23:32272
  - Helium cooling component for high-resolution electron microscopy and hollow superconducting cylinder as a magnetic lens, 21:45485
  - Single magnetic flux quanta in superconducting tubes. III, 25:3024
  - Single magnetic flux quantum in superconducting tubes. I, 24:47167
- LI-SCHOLZ, A. PAC study of EQ interactions in ^{172}Yb in Tm metal and oxide lattices, 24:26318
  - Ratio of static electric-quadrupole moments of K = 3 and K = 0 states in ^{172}Yb, 23:40050
- LI-SCHOLZ, Angela Branching ratio of γ rays from 184.6-keV state in ^{67}Zn, 23:25868
  - Decay of 15-min ^{63}Ga to ^{63}Zn, 22:26953
- LISCIA, A. Extrusion of mixed oxide of thorium and uranium, 22:49797
  - Hot-lamination of metallic uranium and uranium—aluminium alloy, 21:36812
  - Manufacture of plate type fuel elements for research reactors, 21:36813
  - Mechanical and metallurgical steel/Zr junctions, 25:19183
  - Technological and economical improvements in fabrication of ceramic bodies of UO_2, 23:18194 (LIB/Trans-187)
  - Technology of coextrusion of tubular fuel elements from metallic U—Zircaloy, 21:36814
- LISCO, Harmann Prog. rpt. on carcinogenesis and chromosome studies, 10/68—4/69, 23:38523 (NYO-4052-1)
- LISCO, Hermann Chromosome studies on Marshall Islanders exposed to fallout radiation, 21:36549
  - Prog. rpt. on human radiation cytogenetics and studies in experimental carcinogenesis, 10/68—3/71, 25:52022 (NYO-4052-4)
  - Tumor induction in mice by radioactive thymidine, 21:20392
- LISHANSKII, B. A. Investigating the vibrocompacting of concrete mixes with the use of radioisotopes, 25:57869
- LISHENKO, L. G. Boride coatings on Mo, 22:4854
  - Films of samarium isotopes for nuclear investigations, 22:37271
  - Monoisotopic targets Ti, Zr, and Hf for nuclear investigations, 23:3880
  - Target production by directional evaporation in high vacuum, 21:33835
  - Thin films of rare-earth metals, 25:22035
- LISHIN, I. V. Influence of ions on transmission of ulf EM waves through the ionosphere, 22:2921
- LISHMAN, J. R. Use of the sidewall neutron log, 24:19089
- LISI, B. Radiation effects on changes, concentration, and stability of reduced glutathione in erythrocytes, 22:45384
- LISI, Louise Effect of total-body irradiation on murine erythropoiesis, 23:8061
  - Erythropoietic response to total-body irradiation in splenectomized mice, 24:2779
- LISIENKO, D. G. Spectrophotometric study of interaction of scandium ions with N,N'-DI(2-hydroxy-5-sulfophenyl)-c-cyanformazan, 22:1992
- LISIESKI, Waldemar Practical applications of gamma spectrometry in technological research, 23:26565
- LISIN, A. V. Accelerating structures technology, 25:50229
- LISIN, V. N. Transformer for accelerator tube, 25:59648
- LISIN, Yu. D. Application of Ge detectors in Moessbauer experiments on ^{121}Sb, 25:40836
  - Moessbauer spectrometer based on the AI-256 analyzer, 23:33397
- LISITANO, G. Drift waves in radiofrequency plasma, 23:36750
  - Ignition of a hot plasma at the second harmonic of the electron cyclotron frequency, 22:11411
  - Large-diameter rf plasma for pre-ionization in confinement devices, 25:47556
  - New model for plasma confinement times in stellarators, 23:8585
  - Nonresonant absorption of electromagnetic waves in a high-density plasma, 24:17878
  - Nonresonant radiofrequency source of high-density quiescent plasma, 24:26218
  - Production of a hot plasma, 23:32439
  - Production of quiescent discharge with high electron temperatures, 22:20023
  - Propagation of electron cyclotron waves along a magnetic beach, 25:33335
  - Self-excited ion—acoustic and drift waves in a radiofrequency plasma, 24:26264
  - Self-excited ion—acoustic waves in a radio-frequency plasma, 23:44479
  - Stabilization of a hot electron plasma, 23:51689
- LISITCHENKO, V. V. Interaction of electron beam with nonuniform plasma, 25:17183
  - Nonlinear stable collisionless drift waves, 24:35516
- LISITSA, M. P. Absorption and photoconductivity of neutron-irradiated cuprous oxide, 23:36786 (AEC-tr-6869/7, pp 1148-52)
- LISITSA, V. S. Stark broadening of H lines in plasma, 25:14310
- LISITSIN, A. K. Deposition conditions of molybdenum and selenium in exogenetic epigenetic uranium deposits, 25:29240
  - Genetic interpretation of epigenetic alterations in sedimentary rocks, 24:46373
- LISITSYN, A. I. Synchrotron waveguides, 21:11900
- LISITSYN, A. P. Content of protactinium and thorium isotopes in ocean water, 21:4634
  - Radioactivity of oceanic suspensions. III, 22:10406
  - Radioactivity of oceanic suspensions. II, 22:10405
  - Thorium isotopes (^{230}Th, ^{232}Th) in surface layer of Indian Ocean sediments, 23:21813
  - Thorium isotopes (^{230}Th, ^{232}Th) in the surface layer of bottom sediments from the Indian Ocean, 22:33555
  - Uranium and radium in the surface layer of oceanic sediments, 22:25553
  - Uranium and radium in the surface layer of oceanic sediments, 23:35354
- LISITSYN, V. M. Annealing of radiation-induced decrease of CaF_2 crystal density, 25:49980
  - Conductivity variations in CaF_2 crystals as result of electron irradiation, 25:45560
  - Effect of radiation on microhardness of CaF_2, 25:49984
  - Kinetics of the accumulation of hole color centers in alkali halide crystals doped with alkaline-earth metals, 21:27238
  - Proton radiation effects on kinetics of microhardness variations in CaF_2 crystals, 23:51774
  - Radiation expansion of CaF_2 crystals, 24:21871
  - Thermoluminescence of CaF_2 crystals irradiated by protons and electrons, 25:45561
- LISITSYN, V. N. Breakdown of 2^1P and 2^3P levels of He in a glow discharge, 25:13977
  - Kinetics of the post luminescence of He—Ne plasmas, 21:42099
- LISITSYN, Yu. V. EMF produced in compression of lanthanides, 25:52961
- LISITSYNA, E. V. Polarographic determination of selenium and tellurium, 24:41193
- LISITSYNA, L. A. Proton radiation effects on kinetics of microhardness variations in CaF_2 crystals, 23:51774
- LISKA, B. Survival of Mycoplasma laidlawii A, 25:24482
- LISKA, Bohumir Isolation of auxotrophic bacteria, 21:10817
- LISKA, D. J. Accelerator field measurements at high power, 25:50424
- LISKA, Donald J. Computer design of UHF power amplifier tubes, 21:17910 (LA-DC-8367)
- LISKA, F. Chemistry of organic F compounds. III, 22:27750
  - Chemistry of organic fluorine compounds. IX, 25:48530
  - Gamma-induced telomerization of trifluorochloroethylene in 2-propanol solution, 24:13914
  - Radical addition of methanol to trifluorochloroethylene, 24:38927
  - Telomerisation reaction of trifluorochloroethylene in the solution of 2-propanol induced by gamma radiation, 24:5681 (UJV-2237-Ch)
- LISKA, M. Laser radiation and the eye, 22:43454
- LISKIEN, H. Anisotropy in the n—p scattering process at a few MeV, 23:42552
  - Compilation and measurement of differential cross sections for neutron-induced threshold reactions, 21:21503
  - Cross sections for (n,p) reactions near threshold, 22:18195
  - Cross sections for ^{63}Cu(n,α)^{60}Co, ^{60}Ni(n,p)^{60}Co, and other threshold reactions, 21:4259
  - Determination of 1 MeV neutron fluxes from the T(p,n)^{3}He reaction by the associated particle method, 23:19106
  - Efficiency calculations for a recoil proton counter with collimator, 23:7754
  - Precise flux-measurement methods and their intercomparison between 0.5 and 15 MeV, 25:51851 (CONF-701002-, pp 343-54)
  - Processes (n,3n) and the statistical theory, 22:50642
  - Relativistic calculations of kinematic parameters for nuclear reactions, 22:14070 (EUR-3668)
- LISLE, J. C. 2.07-MeV levels of ^{26}Al, 22:44637
  - First and second excited states of ^{27}Si, 22:9817
  - Low-lying states of ^{23}Mg, 21:23460
  - States of ^{23}Na below 5.4 MeV, 25:43880
  - Structure in excitation functions of (^{3}He,α) reactions on a number of alpha-type nuclei, 23:37121
  - Studies of (d,d) and (d,p) reactions with C isotopes at low bombarding energies, 22:15957
- LISMAN, F. L. Burnup determination for fast breeder reactor fuels: program objectives and plans, 25:34352 (IN-1456)
  - Burnup determination of nuclear fuels, 24:2101 (IN-1316, pp 76-84)

Determination of nuclear fuel burnup from fission product analysis, 24:52926
Fission yields and branching ratios of ^{85}Kr in thermal neutron fission of ^{233}U, ^{235}U, ^{239}Pu, and ^{241}Pu, 25:28383
Fission yields of over 40 stable and long-lived fission, 25:5765
ICPP fissionable isotope monitor, 23:4804 (IN-1211)
Prog. rpt. on burnup determination of nuclear fuels, final 4/1—6/30/68, 23:23910 (IN-1277)
LISMAN, Frederick L. Burnup determination of nuclear fuels, 22:42588 (IN-1207)
Prog. rpt. on burn up of nuclear fuels, 10/1—12/31/66, 22:1880 (IN-1113)
Prog. rpt. on burnup determination of nuclear fuels, 1—3/66, 21:4434 (IDO-14678)
Prog. rpt. on burnup determination of nuclear fuels, 7—9/66, 21:19242 (IN-1064)
Prog. rpt. on burnup determination of nuclear fuels, 1—3/67, 22:24855 (IN-1157(Rev.))
Prog. rpt. on burnup determination of nuclear fuels, 4—6/67, 22:25129 (IN-1178)
Prog. rpt. on burnup determination of nuclear fuels, 7—9/67, 22:44680 (IN-1189)
Prog. rpt. on burnup determination of nuclear fuels, 1—3/68, 22:47074 (IN-1215)
LISON, R. High-temperature brazing of thermoelements and pipe ducts on reactor plugs for reactor experiments, 25:27177 (JUL-681-RX)
Welding and brazing techniques in the fabrication of facilities for nuclear experiments, 25:35326
LISOUSKAYA, Z. I. Mutability of barley, 25:24112
LISOV, G. N. Use of ampoule with hydraulic block in large gamma-radiation installations for chemical purposes, 21:237
LISOV, G. V. Radiation-chemical installation for the thermal radiative vulcanization of tires using spent fuel element as source, 22:2283
LISOVENKO, V. A. Low-temperature phototransformation in γ-irradiated β-alanine monocrystals, 23:40710
LISOVSKAYA, N. B. Low-temperature oxidation of WC—Co compositions, 23:24976
LISOVSKAYA, S. I. Laminar mass transfer in plane MHD flow in presence of oriented transverse magnetic field, 22:31686
Mass exchange of a circular cylinder in presence of transverse magnetic field, 25:2941
LISOVSKAYA, Z. I. Radiational mutant of barley, 25:21672
LISOVSKII, A. F. Low-temperature oxidation of WC—Co compositions, 23:24976
LISOVSKII, I. P. Determination of Na in phosphoroorganic compounds by activation with fast neutrons, 24:43978
Determination of oxygen in polyethylene by fast neutron activation analysis, 23:28752
Determination of P and Cl in phosphoroorganic compounds by activation, 24:43977
Effect of slowing-down neutrons in the sample on the results of activation analysis, 25:57377
Express determination of yttrium in rare earth concentrates by the method of activation with fast neutrons, 25:57382
Precision system for the determination of oxygen by fast neutron activation, 25:51421
VVR reactor semiautomatic activation analysis system, 25:60168
LISS, E. Determination of deoxyribonucleoside triphosphates using ^{32}P, 23:28729
LISS, Leopold Histopathology of laser-produced lesions in cat brains, 21:18137
LISSAUER, D. Antihyperon and antiproton production in K$^+$p interactions at 9 GeV/c, 24:51971
Evidence for an additional resonance in the region of the K*(1420), 25:33570
Evidence for structure in Kπ mass system near 1.85 GeV, 25:56434
K^{*0} production in K$^+$d interactions at 12 GeV/c, 25:1413 (UCRL-20076)
K$^+$n charge exchange at 12 GeV/c, 24:49338
Observation of anti Ω, 25:17393
LISSAUER, David Decay analysis of the low-mass K$\pi\pi$ enhancement, 24:3540
LISSER, J. Aspects of the main rectifiers for ISR magnets, 25:33884 (CERN-71-9)
LISSIMAN, M. Rate of healing of wounds treated with ultra-violet light, 21:1805
LISSITZKY, S. Case of a partial defect of the iodide trapping mechanism, 24:25372
LISSITZKY, Serge Effect of propylthiouracil on the iodination and maturation of rat thyroglobulin, 22:14949
LISSNER, J. Irradiation results with 35-MeV betatron for tongue base tumors, 22:51735
LISSNER, Josef Animal experimental studies on radiation pneumonitis, 21:20376
Examinations of the etiopathology of radiopneumonitis, 25:39933
LISSY, Margit Crack formation nitrided components of X6CrMo4, 25:8940
LIST, D. Analog calculation study of wave—particle interaction in high-frequency plasma, 23:20912 (CEA-CONF-1128)
Wave—particle interaction in high-frequency structures in plasma, 24:37526
LIST, H. Detectors for automatic film stop devices, 21:22126 (CERN-66-36)
LIST, L. Electrolytic deposit of a lead layer from a lead tetrafluoroborate bath for superconducting cavity resonators, 24:37390 (NP-18294)
Measurements of RF-absorption of superconducting resonators, 23:28189
Q-measurements in superconducting lead cavities at 800 MHz, 23:19075 (BNL-50120(Pt.2), pp 770-3)
LIST, R. J. Use of natural radioactivities to estimate large-scale precipitation scavenging, 25:26390 (CONF-700601-, pp 465-74)
LIST, Robert J. Are particulate radioactive tracers indicative of stratospheric motions, 23:17585
Prediction of dose from nuclear excavation, 23:31792
Radioactive debris as a tracer for investigating stratospheric motions, 21:6053
Slope of surfaces of maximum tracer concentration in the lower stratosphere, 24:25138
LISTENGARTEN, M. A. Atomic electron correlations and internal conversion process, 23:44979
Gamma transitions under nonconservation of parity, 23:42969
Influence of the valence-shell structure on the internal conversion coefficients of γ-radiation and on the electron density near the nucleus, 25:43953 (BNL-tr-427)
Multi-electron correlations in internal conversion, 23:17142
Problem of penetration effects in internal conversion, 21:4341
Sign of delta in angular $\gamma\gamma$ correlations for de-excitation of ^{173}Yb, 22:9864
Valent shell structure effects on coefficients of internal conversion, 25:31343
LISTER, B. A. J. How much health physics, 25:46871
Lung contamination by insoluble alpha and low-energy beta emitting materials, 23:14178
Potential release of radioactivity at AERE, Harwell, 24:7889
Studies on the retention and metabolism of inhaled methyl iodide. II, 21:43338
LISTER, D. Fast neutron scattering from 182, 184, and 186 isotopes of W, 21:27561 (ANL-7288)
Fast-neutron scattering from germanium, 23:52136
Fast-neutron scattering from the 182, 184, and 186 isotopes of W, 21:46753
Microscopic neutron scattering cross sections for reactor design, 22:18194
LISTER, D. H. Exploratory studies of the movement of activated corrosion products, 25:49364
Structure and reactivity of the oxyanions of transition metals. XVIII, 24:22700
LISTER, G. G. Compressible resistive tearing instability in the hard-core pinch, 24:10564
Effect of Hall current and resistivity on stability of gas—liquid system, 25:19546
Resistive instabilities and solar flares, 23:34231
LISTERMAN, Thomas W. Equilibrium properties of a superfluid separator for enriching concentration of ^{3}He, 24:6472
LISTON, J. Effects of multiple dose of irradiation on the bacterial flora of seafoods, 24:2859
Growth of salmonellae on irradiated and non-irradiated seafoods, 22:49673
Microbiological and biochemical factors involved in irradiation of marine products, 24:2846 (RLO-1730-3)
Prog. rpt. on irradiation pasteurization of seafoods, annual, 10/65-10/66, 21:20457 (RLO-1730-5)
Prog. rpt. on irradiation pasteurization of seafoods, annual, 10/66—9/67, 22:15125 (RLO-1730-2)
Radiation destruction of Vibrio parahaemolyticus, 25:27115
Single and multiple doses in the radiation pasteurization of seafoods, 23:3007
LISTON, John Basic microbiological and biochemical factors involved in irradiation of marine products, 23:18132 (CONF-681006-, pp 77-81)
LISTORTO, G. Iodine pools in extrathyroidal tissues, 23:43685
LISTOVNICHII, V. E. Low-temperature modification of molybdenum carbides, 24:27887
LISUNOVA, V. V. Method of determining ^{137}Cs in environmental objects, 23:31303
LISZKA, L. Motion of ascending prominences, 24:25893
Parameters of internal gravity waves deduced from electron content, 25:52729
Variations in low-energy electron spectrum and relation to magnetic activity, 25:27582
LISZKA, Ludwik High-latitude trough in ionospheric electron content, 21:43929
Ionospheric electron content, 21:39863 (AD-650623)
Joint Satellite Studies Group spaced receiver measurements, 23:22977 (AD-672811)
Measurements of line-of-sight velocities in prominences, 25:7077
Radial velocity observations of prominences, 22:15289
Variations of ionospheric electron content near auroral zone in winter, 21:2097
Variations of ionospheric electron content near auroral zone in winter, 21:33256 (AD-632264)
LISZT, Harvey S. Transition probabilities, 24:19566
LITCHFIELD, J. H. Commercial prospects for selected irradiated foods, 22:49670
Commerical prospects for selected irradiated foods, 23:21863 (TID-24058)
LITCHFIELD, P. F. Decay eta $\rightarrow \pi^+\pi^-\pi^0$ and s-wave $\pi\pi$ phase shift, 23:3634
LITCHFIELD, P. J. Coefficients for partial wave analysis of the reaction $0^- + {}^1/_2{}^+ \rightarrow 1^- + {}^1/_2{}^+$, 25:56501 (RHEL/R-224)
Inelastic π^+n interactions in the center-of-mass energy range 1.40 to 1.65 GeV, 23:46617
K$^-$p elastic and charge-exchange scattering in the cm energy range 1915 to 2168 MeV, 25:40897
Partial wave analysis of K$^-$N $\rightarrow \Lambda\pi$ between 1 and 1.85 GeV/c, 25:25435
Partial wave analysis of K$^-$N $\rightarrow \Lambda\pi$ between 1.0 and 1.85 GeV/c, 25:59303
Study of the decay mode eta $\rightarrow \pi^+\pi^-\gamma$, 21:25225
LITCHMAN, William M. Nitrogen-15 NMR chemical shifts in ^{15}ND$_3$, ^{15}ND$_2$H, ^{15}NDH$_2$, and ^{15}NH$_3$, 23:17419
LITEANU, C. Chromatographic behavior of metal ions on paper treated with phosphoric esters, 23:17546
Precipitate formation. I, 25:20885 (RFP-Trans-74(Pt.1))
LITEANU, Candin Precipitate formation. II, 25:20886 (RFP-Trans-74(Pt.2))
LITES, Bruce W. Hα Doppler brightening and Lyman-α Doppler dimming in moving Hα prominences, 25:900
LITHER, A. E. Gamma-ray angular correlation studies on levels of ^{28}Si and ^{29}Si, 21:2704
LITHERLAND, A. E. Discovery of $^{13}/_2{}^+$ level in ^{19}F, 23:28258
E3 Coulomb excitation of ^{19}F, 24:1758
Electromagnetic decay of first and second T = $^3/_2$ states in ^{19}F, 24:13287
Electromagnetic decay of first and second T = $^3/_2$ states in ^{19}F, 24:43149
Gamma rays from 3702 keV level in ^{25}Al, 24:8879
Gamma-decay properties of ^{20}Ne levels below 12 MeV, 25:34052
Gamma-ray angular correlation studies of levels of ^{29}Si, 22:26993
Gamma-ray polarization measurements with a single Ge(Li) detector, 23:35501
Ge(Li) detectors as gamma-ray polarimeters, 24:50583
Investigation of a new E/sub x/ = 4 507 keV state in ^{25}Al, 22:48486
K/sup π/ = 1$^+$ rotational band in ^{18}F, 25:59715
Lifetime of the 8.543-MeV level of ^{28}Si, 23:37158
Lifetimes and branching ratios of energy levels of ^{28}Si. I, 23:15408
Lifetimes and branching ratios of energy levels of ^{28}Si. II, 23:15409
Lifetimes and decay modes of energy levels in ^{25}Mg, 22:50587
Mirror nuclei ^{25}Mg and ^{25}Al, 23:46958
New resonances in ^{15}N(α,γ)^{19}F, 24:38130
Properties of 4.038-MeV state in ^{25}Al, 23:10966
Properties of the 7.02-MeV and 10.65-MeV levels ^{20}Ne, 21:27552
Radiative width of level in ^{20}Ne at 8.78 MeV, 25:45999
Resonance in ^{27}Al(p,γ)^{28}Si, 25:36699
Resonance width measurements using the Doppler-shift attenuation method, 22:41994
Source of 3.85-MeV gamma rays for testing Ge(Li) detectors, 23:21986
Source of 3.85-MeV gamma rays for testing Ge(Li) detectors, 23:29163
Study of ^{20}Ne levels by radiative capture, 21:13852
Study of some ^{20}Ne levels by radiative capture, 21:25494
Study of the 1459-keV level in ^{19}F by the ^{19}F(p,p'γ)^{19}F reaction, 24:26590
Transition probabilities in ^{20}Ne, ^{24}Mg, and ^{28}Si, 22:20539
Weak gamma-ray transitions in ^{20}Ne, 22:9818
LITHERLAND, Albert E. High energy gamma ray source, 25:15931
LITINSKII, V. M. Distribution of the disturbance vectors of negative geomagnetic bays at mid-latitudes, 25:16931
Irregularities in the distribution of the disturbance vectors of geomagnetic bays, 22:38946
LITKE, H. J. Identification of fission product nuclides following ^{235}U-fueled reactor accident, 21:30175 (WAPD-TM-599)
LITKEVICH, O. N. Development of chondroperichondritis in radiotherapy of laryngeal cancer, 24:42022
LITMAN, A. P. Alkali—metal corrosion of high-temperature materials, 23:8111 (ORNL-4370, pp 76-84)
Alkali—metal corrosion studies, 23:24793 (ORNL-4390, pp 85-109)
Alkali-metal corrosion of high-temperature materials, 22:8695 (ORNL-4170, pp 93-6)
Alkali-metal corrosion of high-temperature materials, 24:2877 (ORNL-4470, pp 68-75)
Alkali-metal corrosion studies, 23:48324 (ORNL-4420, pp 89-115)
Alkali-metal corrosion studies, 24:4717 (ORNL-4440, pp 75-108)
Army Pulsed Radiation Facility Reactor assistance, 23:8247 (ORNL-4370, pp 241-2)
Army Pulsed Radiation Facility Reactor assistance, 24:2923 (ORNL-4470, pp 212)
Catastrophic corrosion of type 304 stainless steel in a system circulating fused sodium fluoroborate, 24:12357 (ORNL-TM-2741)
Compatibility of fluoroborate coolant salts with Hastelloy N for molten salt reactors, 22:32828
Compatibility of fused sodium fluoroborates and BF$_3$ gas with hastelloy N alloys, 24:34846 (ORNL-TM-2978)
Compatibility of Hastelloy N and Croloy 9M with NaBF$_4$—NaF—KBF$_4$ (90-4-6 mole percent) fluoroborate salt, 23:22466 (ORNL-TM-2490)
Compatibility of materials for advanced space nuclear power systems, 21:45865 (ORNL-TM-1964)
Compatibility of materials with alkali metals for space nuclear power systems, 22:43533
Compatibility of NaK with type-316 stainless steel and Nb—1 percent Zr alloy in heat rejection system, 22:31327
Compitability of molbydenum-base alloy TZM with LiF—BeF$_2$—ThF$_4$—UF$_4$ (68-20-11.7-0.3 mole percent) at 1100°C, 24:8057 (ORNL-TM-2724)
Corrosion of volatility pilot plant INOR-8 dissolver, 21:39547 (ORNL-TM-1907)
Design and metallurgical aspects of the Army Pulsed Radiation Facility Reactor, 22:6107
Evaluation of U—10 percent Mo alloy and consideration of alternate alloy for pulse reactor cores, 22:32979
Fluoride salts for heat-transfer applications, 22:30769
Lithium and potassium corrosion studies with refractory metals, 21:9055 (ORNL-P-2655)
Mass transfer between Hastelloy N and Haynes alloy No. 25 in a molten sodium fluoroborate mixture, 25:58169 (ORNL-TM-3488)
New developments in materials for molten-salt reactors, 24:11159
SNAP-8 and SNAP-50 corrosion studies, 21:13110 (ORNL-3970, pp 245)
LITOMISKII, M. Optimal conditions of heat treatment of superconductive Nb—75 percent Zr alloy, 21:25075

- LITOMISKY, M. Ferromagnetic flux concentrators in continuously operated solenoid, 22:21250
  - Superconducting Pb—Bi alloys, 21:43972
- LITOVCHENKO, P. G. Influence of temperature on the kinetics of the gamma conductivity of cadmium sulfide, 22:14866
- LITOVCHENKO, V. A. Critical magnetic field of thin superconducting films, 25:38303
  - Thermoelectric effect in superconductors, 22:13400
- LITOVCHENKO, V. G. Radiation-type centers generated by bombardment of real Ge surface, 25:7453
- LITOVITZ, T. A. Nuclear-particle track detection using liquid—liquid phase separation: the glass chamber, 25:57727
  - Prog. rpt. on structural relaxation in liquids, 2/70, 24:16398 (TID-25346)
- LITOWSKA, Maria Effect of gamma radiation on ion exchange resins. II, 25:10646
- LITSEY, C. T. Determination of oxygen—zirconium ratio in oxygen-deficient zirconia, 22:8021
- LITSINGER, E. C. Accelerator cooling-system design and economics, 23:28091
- LITSKEVICH, I. K. Calculation of eta $\rightarrow \mu^+ + \mu^-$ decay probability, 24:35628
  - Probability of $\pi^0 \rightarrow e^+ + e^-$ decay, 24:8608
- LITSKI, Yanush Methods of determining temperature of plasma in MHD duct, 23:46339
- LITT, Clotilde Effective-field calculation of electronic polarizability, 24:17704
- LITT, J. Comparison of electron—proton and positron—proton elastic scattering at four-momentum transfers up to 5.0 (GeV/c)^2, 22:44302
  - Nucleon isobar production in proton—proton collisions, 23:49047
  - Pi^0 photoproduction from H at backward angles, 23:49031
  - Ratio of the proton form factors at high momentum transfers and the question of scaling, 24:18065
  - Small-angle pion flux produced in a thick beryllium target by high-energy electrons, 21:17229
- LITT, Kenneth C. Nuclear control rod actuator, 22:18656
- LITT, L. Photoproduction of K$^+$ mesons at 3.4 and 5.0 GeV, 22:9502
  - Photoproduction of π^+ mesons at 3.4 and 5.0 GeV, 22:3239
  - Photoproduction search for dipion resonances in the mass range from 1360 to 1780 MeV, 23:42533
- LITT, Mortimer Studies of latent period. I, 23:17935
- LITTAUER, R. External beam from Cornell 10 GeV Synchrotron, 25:50521
- LITTAUER, R. M. Megawatt solid-state inverter to power the Cornell 10 GeV electron synchrotron, 21:38054
  - Wide-angle bremsstrahlung, 23:14953
  - Wide-angle bremsstrahlung, 24:28475
- LITTAUER, Raphael Multiplex control system for the Cornell 10-GeV synchrotron, 21:38124
  - Operation of Cornell 10-GeV electron synchrotron, 22:32298 (CEAL-2000, pp 397-400)
- LITTBRAND, B. Composite radioprotective and radiosensitizing effect of an organic free radical, 25:4561
  - Culture age and cellular radiosensitivity, 23:31663
  - Development of cellular resistance to irradiation, 22:40781
  - Effect of a second exposure to x rays on post-irradiation recovery, 21:26634
  - Effect of oxygen on the recovery of lethal and non-lethal radiation damage, 24:32151
  - Fractionated irradiation and the effect of oxygen, 22:38489
  - Survival characteristics of tissue culture cells after oxic and anoxic irradiation, 24:34588
- LITTBRAND, Bo Chemical protection of the recovery process, 25:42521
  - Dual effect of oxygen, 25:35214
  - Effect of oxygen on cellular survival and recovery after radiation, 24:14570
- LITTBRAND, Bo. Multiplication of tumor cells after roentgen radiation, 25:21810
  - Survival characteristics of mammalian cell lines after single or multiple exposures to roentgen radiation under oxic or anoxic conditions, 25:21809
- LITTELL, A. S. Disappearance rates of endogeneous FSH in serum, 24:25349
- LITTENBERG, L. S. Test of the $\Delta S = \Delta Q$ rule in K$^0 \rightarrow \pi e \nu$ decay, 23:21047
- LITTENBERG, Laurence Stephen Test of $\Delta S = \Delta Q$ rule in neutral K-e3 decay, 25:14538
  - Test of the $\Delta S = \Delta Q$ rule in neutral K-e3 decay, 24:15461 (UCSD-10-P-10-107)
- LITTERAL, E. Solvent extraction separations with BPHA, 22:33238
  - Solvent extraction separations with BPHA, 23:11400 (GAT-525)
- LITTIG, C. E. Electron scattering from the deuteron at theta = 180°, 21:18880
- LITTLE, A. G. Observations of the Sun with the Molonglo cross, 24:1216
  - Radio emission from optical quasi-stellar objects, 24:51311
- LITTLE, A. J. Suitability of the flash method for measurements of the thermal diffusivity of uranium dioxide specimens containing cracks, 23:6738
- LITTLE, A. O. Record keeping system for radiation workers, 23:24666
- LITTLE, Abby Rapid evaluation of thyroid nodules using /sup 99m/Tc-pertechnetate scanning, 24:34506
- LITTLE, C. Effects of x irradiation on various enzymic functions of NADP$^+$-linked isocitrate dehydrogenase, 25:42299
  - X-ray modification of catalytic and allosteric functions of fructose-1,6-diphosphatase, 23:29359
- LITTLE, C. G. D-region electron temperatures at the northern auroral zone, 24:42555
- LITTLE, E. A. Athermal stress component in neutron irradiated mild steel, 25:718
  - Correlation of radiation-hardening with interstitial nitrogen content in mild steels, 25:714
  - Effect of neutron irradiation on thermally activated dislocation glide in mild steel, 25:24612
  - Effects of interstitial elements on radiation hardening in mild steels, 24:29991
  - Radiation-hardening and recovery in mild steels and the effects of interstitial nitrogen, 25:713
- LITTLE, E. M. Faraday rotation measurements on Scylla IV theta pinch, 22:1155 (LA-3770, Paper A3)
  - Faraday rotation measurements on Scylla IV theta pinch, 22:31842
  - Linear theta-pinch experiments, 23:32462
  - Linear theta-pinch experiments related to the stability of a toroidal theta pinch of large aspect ratio, 22:46189 (LA-DC-9324)
  - Plasma experiments with a three-meter theta pinch, 25:25080 (LA-4611)
- LITTLE, H. F. Midgut epithelium following ionizing irradiation, 21:34757
- LITTLE, H. W. Distribution of types of uranium deposits and favorable environments for uranium explorations, 25:18532
  - Uranium and Th in Canada, 25:51638 (A/CONF.49/P-154)
  - Uranium prospecting in Canada, 23:35345
- LITTLE, J. A. Shaft seals for gas circulators, 22:7849
- LITTLE, J. B. Delayed initiation of DNA synthesis in irradiated human diploid cells, 22:43214
  - Factors influencing exogenous nucleoside utilization in DNA synthesis by irradiated human cells, 25:13380
  - Repair of potentially-lethal radiation damage in mammalian cells, 25:58081
  - Repair of sub-lethal and potentially lethal radiation damage in plateau phase cultures of human cells, 24:9909
- LITTLE, J. C. Air cleaning at AEC's Y-12 Plant, 22:42938 (Y-EF-170)
  - Air cleaning at the USAEC Y-12 plant, 23:29135
- LITTLE, J. G. Control of post irradiation DNA breakdown in Micrococcus radiodurans, 24:34110
  - Repair of x-radioinduced excision in DNA of Micrococcus radiodurans, 21:14609
  - Repair of x-ray damage to the DNA in M. radiodurans, 24:23120
- LITTLE, John B. Cellular effects of ionizing radiation, 22:36419
  - Cellular effects of ionizing radiation, 22:40876
  - Circulating antidiuretic hormone in the x-irradiated rat, 23:18098
  - Differential response of human cells to X irradiation, 24:6101
  - Effect of ionizing radiation on cell division, 22:40914
  - Environmental hazards: ionizing radiation, 21:16452
  - Irradiation of primary human amnion cell cultures: effects on DNA synthesis and progression through the cell cycle, 25:26630
  - Polonium-210 in bronchial epithelium of cigarette smokers, 21:22346
  - Radiation-induced DNA degradation in human cells, 22:49212
  - RBE of the MIT medical therapy neutron beam in monolayer cultures of HeLa cells, 23:31775
  - Relative biological effectiveness of the ^{10}B(n,α)^{7}Li reaction in HeLa cells, 25:8745
  - Respiratory carcinogenesis in hamsters induced by ^{210}Po α radiation, 25:32528 (CONF-700501-, pp 383-94)
  - Systemic absorption of ^{210}Po inhaled in cigarette smoke, 23:6359
- LITTLE, John W. Jr. Activity confinement and decontamination after failure of an antimony—beryllium source rod, 25:51224
- LITTLE, K. Some effects of sterilizing doses of radiation on biological tissues, 25:11331
- LITTLE, L. T. Analyzing drifting random patterns in astronomy and geophysics: motion of solar wind close to Sun, 25:49634 (AD-716735)
  - Comments on paper by Cohen et al, 22:11117
  - Effect of finite bandwidth on observations of interplanetary scintillation, 22:41261
  - Interplanetary scintillation and its relation to the angular structure of radio sources, 21:9284
  - Method for analyzing drifting random patterns in astronomy and geophysics, 25:17046
  - Motion of solar wind close to the Sun, 25:16717
  - Radio source structure derived from interplanetary scintillation, 22:23943
  - Small-scale plasma irregularities in the interplanetary medium, 25:16716
- LITTLE, P. E. Graphs for analysis of (1-3) gamma—gamma directional correlations, 25:31312 (ORNL-4619)
- LITTLE, P. F. Collisionless interactions in interstreaming plasma jets, 23:51623 (CLM-R-99)
  - Drift instabilities in a collisionless plasma with magnetic shear, 24:26232
  - Drift waves and plasma diffusion in a shear-stabilized Q machine, 24:51704
  - Drift waves in a cesium plasma, 21:33402 (CONF-670104-Pt.1, pp 173-80)
  - Interpretation of an experiment on interstreaming plasmas, 25:17202
  - Lithium plasma source for drift-wave experiments, 24:28300
  - Noise in collision-free alkali metal plasmas, 23:27660
  - Thermionic lithium plasma source for drift wave experiments, 23:51677 (CLM-R-98)
- LITTLE, Paul Edward Directional correlation and decay scheme studies of ^{178}Hf and ^{154}Gd, 25:43917
- LITTLE, R. Attempt to induce resistance to Septoria nodorum and Puccinia graminis in wheat, 25:52263
  - Colliding beam project at Cambridge electron accelerator, 22:32254 (CEAL-2000, pp 112-18)
  - Damping system for beam storage in Cambridge Electron Accelerator, 22:32256 (CEAL-2000, pp 123-5)
  - Elastic scattering of protons on ^{10}B, 24:24517
  - Experimental program associated with the bypass project, 21:21153 (CEAL-TM-153)
  - Positron—electron multicycle injection at CEA colliding beam project, 25:50325
- LITTLE, R. B. Dryout tests on an internally heated annulus with variation of axial heat flux distribution, 24:41600 (AEEW-R-578)
- LITTLE, R. G. Effect of acceleration and drift region configurations upon the propagation of intense electron beams, 25:50400
- LITTLE, Roger AFCRL facilities operation, 24:24460 (AD-698354)
- LITTLE, Roger Edward Thickness of a rotating liquid helium film, 23:1294
- LITTLE, S. J. Dynamical stability in pre-main-sequence stars, 23:5103
- LITTLE, Stephen J. Astrophysical determination of f-values for Ti II, Cr II, Fe II, 23:16560
  - Peculiar A star HD 168733. I, 25:843
- LITTLE, W. A. Bone scanning with ^{85}Sr, /sup 87m/Sr, and ^{18}F, 22:40764
  - Lung scanning in pulmonary embolism, 23:12156
  - Possibility of superconductivity in organic macromolecules, 21:711
  - Resistive transition of superconducting layer compounds, 25:45419
  - Scattering of fast electrons by oriented ^{165}Ho nuclei, 21:23485
- LITTLE, W. M. Acute radiation syndrome, 22:4612
- LITTLE, W. S. Evaluation of bottom flooding as a means of arresting reactor core temperature transients following a loss-of-coolant accident, 22:32860
  - Heat transfer in MTR core, 23:4309 (IN-1245)
  - SECHT series I and II tests and analysis, 23:4273 (IDO-17278)
- LITTLE, W. W. Analysis of critical experiments using version II of the evaluated nuclear data file, 24:33438
  - Comparison of two-dimensional and three-dimensional neutronics calculations for the FTR, 25:18181 (WHAN-SA-11)
  - Fast Flux Test Reactor: critical experiments program, 21:5683 (BNWL-SA-909)
  - Metal swelling effects on FTR core components, 24:24875 (BNWL-1286)
  - Preliminary analysis of core meltdown transients in a fast test reactor, 22:32892
  - Progress in meeting cross section needs from a fast-reactor designer's view, 25:23253 (HEDL-SA-163)
  - Selected safety considerations in design of FFTF, 22:53440
  - Shutdown characteristics of ^{233}U, ^{235}U, and ^{239}Pu propulsion reactors, 22:18542 (HW-84412)
- LITTLE, W. W. Jr. 1DX: one-dimensional diffusion code for generating effective nuclear cross sections, 23:31154 (BNWL-954)
  - 2DB user's manual, 23:52444 (BNWL-831(Rev.1))
  - 2DB: two dimensional diffusion burnup code for fast reactor analysis, 22:16308 (BNWL-640)
  - 3DB: three-dimensional diffusion theory burnup code, 24:22387 (BNWL-1264)
  - Data processing codes for fast reactors, 23:37473
  - DPB: dynamic programming code for optimizing short-term operation of a power utility, 25:12919 (WHAN-IR-47)
  - Effect of iterating on the elastic removal cross section in multigroup fast-reactor spectra calculations, 22:6013
  - FCC-IV: revised version of FCC fundamental mode fast reactor code, 21:44820 (BNWL-450)
  - Fuel management models and analysis for the FTR, 24:7211
  - Fundamentals of fast reactor kinetics, 25:8091 (BNWL-SA-3093(Vol.1), pp VII.1-15)
  - MAX: one-dimensional maximum hypothetical accident code, 22:25124 (BNWL-612)
  - Methods for collapsing fast-reactor neutron cross sections, 21:42527
  - Multigroup analysis of selected fast critical assemblies, 21:14068 (BNWL-347)
  - Neutronics characteristics of cermet, oxide, and carbide driver fuels for the Fast Test Reactor (FTR), 21:8082
  - Neutronics characteristics of cermet and ceramic driver fuels for Fast Test Reactor (FTR), 21:21785
  - Nuclear parameters and parametric studies for the FTR, 23:34919 (BNWL-1067)
  - Numerical comparison of diffusion and transport (S/sub n/) codes, 23:31156 (BNWL-992)
  - PERT-IV: two-dimensional perturbation code in FORTRAN-IV, 21:30104 (BNWL-409)
  - PERT-V: two-dimensional perturbation code for fast reactor analysis, 23:52445 (BNWL-1162)
  - Principal reactivity coefficients, 25:8055 (BNWL-SA-3093(Vol.1), pp VIII.1-15)
  - Reactivity coefficients in dilute plutonium fueled fast criticals, 23:19534
  - Strategy and techniques for solving the two-dimensional multigroup diffusion equation, 23:26107 (BNWL-SA-2164)
  - User's manual 2DB, 22:50838 (BNWL-831)
  - User's manual for the 1DX—2DB—3DB—PERT-V code package, 25:3923 (BNWL-1412)
- LITTLE, William A. Conference on organic superconductors, Honolulu, Hawaii, 9/69, 24:45169
  - The future of superconductivity, 22:9245
- LITTLEBOY, Henry Computer processing and display of radioisotope scintigraphs, 25:32239
- LITTLEDIKE, Travis Radioimmunoassay of calcitonin, 23:4876
- LITTLEFIELD, C. C. Fluoride volatility plant for reprocessing light water reactor fuels, 23:7597 (K-1759)
  - Important rolê of elemental fluorine in uranium processing operations, 21:5994 (K-1518)
- LITTLEFIELD, Craig Propagation experiment for measuring electron density in D-region of ionosphere, 22:38871 (AD-664577)
- LITTLEFIELD, L. Gayle Chromosomal aberrations induced by plasma from irradiated patients, 24:7811

Chromosome aberrations induced by plasma from irradiated patients, 23:7992
Chromosome damage induced by plasma of x-rayed patients, 23:2970
LITTLEFIELD, P. S. Continuous low level environmental measurement of ^{41}Ar and other radioactive noble gases, 22:18947 (BNL-12154)
LITTLEFIELD, Peter S. Pressurized gas monitor for low level radioactive gases, 25:18744
LITTLEFIELD, T. A. Atomic and nuclear physics, 23:21383
LITTLEJOHN, M. A. Influence of ^{60}Co gamma irradiation on surface and bulk recombination rates in silicon, 22:13581
Orientation dependence of the gage factor in electron-irradiated silicon, 24:44380
Orientation dependence of the gage factor in electron-irradiated silicon, 25:51954
Piezoresistive effect in electron irradiated silicon and its application to improvement of semiconductor strain gages, 25:5151 (N-70-35737)
Range-energy calculations of heavy ions in Si, 25:59116
LITTLEJOHN, Michael Anthony Influence of ^{60}Co gamma irradiation on bulk and surface recombination rates in silicon, 22:24493
LITTLEPAGE, James L. Chromosome scanning program at Lawrence Radiation Lab, 23:38525 (UCRL-71493)
Chromosome-scanning program at Lawrence Radiation Laboratory, 21:34633 (UCRL-70413)
LITTLETON, C. P. HPRR and accelerator operations, 25:20134 (ORNL-4584, pp 187-97)
LITTLEWOOD, G. P. Electromagnetic properties of low-lying levels of ^{31}Si, 22:37320
LITTLEWORTH, Bertram Improvements relating to charging machines for nuclear reactors, 22:18628
LITTMAN, Howard Bubble rise velocities in two dimensional gas fluidized beds from pressure measurements, 23:50025 (RPI-3639-11)
Fluidization fundamentals and application, 25:46551
Prog. rpt. on gas—particle heat transfer coefficients in packed and fluidized bed, annual, 1—12/69, 24:366 (RPI-3639-9)
Prog. rpt. on gas-particle heat transfer coefficients in packed and fluidized beds by frequency response techniques, annual, 1/70—2/71, 25:31725 (RPI-3639-16)
Statistical study of the pressure fluctuations in a fluidized bed, 25:46399 (RPI-3639-15)
LITTMANN, W. E. Abrasive-processed surfaces, 23:24886
LITTON, F. B. Carburization of Type 316L stainless steel in static sodium, 24:46737
Effect of oxygen and nitrogen in tantalum on its resistance to corrosion by liquid plutonium alloys, 21:39554
Evaluation of V and V-base alloys in hot-trapped Na, 24:14655
Fabrication and testing of sodium-bonded mixed-carbide fuel for advanced LMFBR application, 25:40098
LITTON, Felix B. Properties and irradiation behavior of carbide fuels, 22:21759 (LA-3799)
Removal of sodium bond from sintered (U,Pu)C fuel pellets, 23:412
LITTON, G. Interaction of multi GeV ions as heavy as U with matter, 22:31600
LITTON, Gerald M. Penetration of high-energy heavy ions, with inclusion of coulomb, nuclear, and stochastic processes, 22:45925 (UCRL-17392(Rev.))
Program BRAGG: FORTRAN-IV program for calculating Bragg curves and flux distributions, 21:31199 (UCRL-17391)
Program BRAGG: FORTRAN-IV program for calculating Bragg curves, flux, and current distributions, and energy spectra, 22:26202 (UCRL-17391(Rev.))
Stopping power, range, and terminal ionization of nucleus with 0.01 to 500 MeV/amu in nongaseous material, 24:26677 (UCRL-19391)
Stopping power, range, and terminal ionization of nucleus with 0.01 to 500 MeV/amu in nongaseous material, 24:44965 (CONF-691101-, pp 692-745)
LITTON, Gerald Murray Penetration of high-energy, heavy ions, and other stochastic effects, 23:1508
LITTON, James Hollow cathode plasma penetration study, 21:9560 (NASA-CR-660)
LITTON, W. B. Reconstruction of the hypopharynx and cervical esophagus after planned preoperative irradiation, 23:31872
LITUNOVSKII, R. N. Magnetometer with Hall emf transducer, 22:36151
Possible mode of accelerating and producing a beam in a isochronous cyclotron, 24:1708
Production of monochromatic beams using cyclotron acceleration, 25:31121
LITVAK, A. G. Averaged motion equation of charged particle in a stationary random electromagnetic field, 21:13596
EM-wave self-focusing in magnetoactive plasma, 21:2234
Finite amplitude wave beams in a magneto-active plasma, 23:46517
Self-focusing of electromagnetic waves in plasma, 25:49954
Self-trapping of powerful electromagnetic waves in a dense plasma, 25:36225
Stimulated wave scattering and plasma heating by coherent radiation, 25:38522
To the problem of electromagnetic wave self-focusing in anisotropic nonlinear media, 21:787
LITVAK, A. K. Calculation of magnetogasdynamic flow, 21:39857
LITVAK, J. Strange-particle production at 2.75 GeV/c. I, 21:27311
Strontium-85 kinetics in hypoparathyroidism at different levels of Ca intake, 21:22518
LITVAK, Jorge Strontium-85 kinetics in hypoparathyroid patients following ingestion of different levels of Ca, 21:26365
LITVAK, L. N. Work function of molybdenum—rhenium alloys, 24:37560
LITVAK, M. M. Anomalous absorption of microwaves by interstellar H_2CO, 24:35060
Conditions for microwave radiation from excited OH Λ-doublet states, 23:36325
Electron recombination in laser-produced hydrogen plasma, 21:3845
Hydroxyl and water masers in protostars, 23:44081
Infrared pumping of interstellar OH, 23:27265
Interstellar sulfur hydride, 23:10372
Millimetre wave emission by interstellar dust, 23:48687
Spectroscopic studies of laser-produced hydrogen plasma, 21:9543
LITVAK, Marvin M. Interstellar masers, 24:10258
LITVAK, N. B. Use of N-cinnamoylphenylhydroxylamine for amperometric titration of Nb, 25:13
LITVAK L., Jorge Medical applications of radioisotopes in Chile, 23:41191 (CONF-670338, pp 113-26)
LITVAKOVSKAYA, G. A. Radiotherapy of juvenile angiofibroma of the base of the skull, 21:32688
LITVAN, A. B. Diaphragm for limitation of ionising radiation beam, 24:9726
Highly mobile gamma-therapeutic apparatus, 24:51005
LITVER, B. Ya. Cesium-137 in lichen-reindeer man in the extreme north of the USSR, 1962—68, 25:11037 (NP-18381)
Cesium-137 in the lichen-reindeer-man chain in USSR, 25:39852 (AEC-tr-7232, pp 27-44)
Lead-210 and ^{210}Po in Arctic regions of northeast, 24:12032 (AEC-tr-7128, pp 180-93)
Strontium-90 and ^{210}Po in bones of inhabitants of far north, 22:33803 (A-AC-82/G/L-1190)
Strontium-90 and ^{210}Po in bones of inhabitants of far north, 25:16067 (AEC-tr-7214, pp 108-14)
LITVIN, V. F. Abnormal behavior of hole levels in (d,p) reactions, 23:47056
Coulomb stripping in wide energy range of emitted protons, 24:33132
Investigation of the ^{71}Ge, ^{73}Ge, and ^{111}Pd excited levels by means of the (d,p) stripping reaction, 22:5804
Isospin term in the shell potential from nucleon binding energies, 23:19370
K-meson absorption on nuclear surface, 25:53683
Reaction ^{54}Cr(d,p)^{55}Cr at deuteron energies 12 and 6.8 MeV, 22:13984
Spectroscopic factors of 2p transitions in the reaction (d,p) on nuclei of mean atomic weight, 23:13233
Study of ^{28}Al nucleus level by means of stripping reaction ^{27}Al(d,p)^{28}Al, 23:25855
LITVIN, V. Yu. Optimal doses of ^{32}P for isotope labeling of common vole, 23:16230
LITVIN, Yu. A. Irradiation of artificial diamonds by fast electrons, 25:1277
Irradiation of synthetic diamonds with fast electrons, 25:22626
LITVINA, M. N. Conditions for reduction of small amounts of europium, 23:6128
Spectrophotometric determination of Europium(II), 23:19631
LITVINCHEVA, A. S. Extraction of scandium, thorium, and zirconium by $C_7H_{15}OP(O)\,[N(C_2H_5)_2]_2$ from solutions of perchloric acid in presence of thiocyanate ion, 25:6420
LITVINENKO, A. S. Electron-scattering study of the change of the charge radii of nuclei of iron and nickel isotopes, 25:20334
LITVINENKO, B. A. Calculation of efficiency of fission fragment source in stacked foil configuration, 21:134
LITVINENKO, L. G. Green function equation in a nonrenormalized theory, 21:9836 (JINR-P2-3038)
LITVINENKO, V. A. Catalytic activity of Th(IV) in H peroxide—thiosulfate system, 23:28840
LITVINOUVA, E. G. Some experimental results concerning the shielding properties of materials in relation to high-energy protons, 21:33508 (AEC-tr-6719, pp 80-9)
LITVINOV, A. P. Behavior of a high-temperature plasma under current heating in the high-shear stellarator Uragan, 25:38378 (CONF-710607-111)
LITVINOV, B. I. Increasing the power of water-cooled reactors by intensifying heat transfer by artificial roughening, 24:26784
LITVINOV, I. I. Effect of collisions on the diffusion electron current to a cylindrical probe in a magnetized plasma, 25:36098
Electron characteristic of a probe in a magnetized plasma, 22:29475
LITVINOV, V. L. Electrical characteristics of strongly-alloyed p-n transitions from arsenide of Ga (radioinduced), 23:18720 (IAE-1659)
Radioinduced dislocations in germanium tunnel diodes, 23:20074 (IAE-1658)
LITVINOV, V. N. Proton Synchrotron-injector (18 GeV) to the 1000-GeV cybernetic accelerator, 22:32343 (CEAL-2000, pp A115-16)
LITVINOVA, E. G. Measurement of tissue doses of cosmic radiation by nuclear emulsions, 22:12848 (JPRS-42730, pp 59-65)
Measurement of tissue doses of cosmic radiation by nuclear emulsions, 22:25842
LITVINOVA, I. B. X-ray spectral study of the electronic structure of zirconium nitride, 25:40810
LITVISHEVA, A. S. Solvent extraction of Zr, 23:47622
LITWIN, Martin S. Biological effects of laser radiation, 21:8954
Burn injury after carbon dioxide laser irradiation, 25:4704
Enhancement of melanoma cell culture growth rate by ruby laser radiation, 23:22352
Hazards of laser radiation, 21:20201
Laser in medicine and biology, 23:50748
Laser irradiation of the skin, 21:8961
LITYAEV, V. M. Minimal threshold of pulse discrimination circuit, 24:33883
LITYNSKI, T. Contamination by ^{90}Sr of soils in southern Poland, 22:4275
Strontium-90-contamination of Polish soils. II, 23:26352
LITZEN, Ulf Improved experimental values for H-like levels of He I, 25:24864
Resonance lines of La III, 25:58707
LITZOW, W. Alpha-spectrometric isotope abundance analysis of uranium using semiconductor detectors, 24:16440 (EUR-4329)
LIU, B. L. Distributed parameter type of control for a reactor of nuclear rocket, 25:34418
LIU, Benjamin Y. H. Methods of generating monodisperse aerosols, 22:19003 (COO-1248-10)
Prog. rpt. on electrical charging of small particles at low pressures, annual, 11/69, 24:5646 (COO-1248-18)
Prog. rpt. on electrical charging of small particles at low pressures, annual, 10/70, 25:1989 (COO-1248-24)
LIU, C. H. Ducting of acoustic—gravity waves in atmosphere, 24:17830
Effect of ion drag on propagation of acoustic-gravity waves, 23:25221
Effective dielectric tensor and propagation constant of plane waves in a random anisotropic medium, 22:17639
Gradient instabilities as possible causes of irregularities in the ionosphere, 21:5162
Interaction of internal gravity waves with the F2 layer, 25:58872
Long-wavelength ion-acoustic waves in a magnetoplasma in a gravitational field, 25:19736
Nuclear magnetic moment of ^{203}Hg by optical pumping, 24:28784
Nuclear magnetic moments of ^{195}Hg, /sup 193m/Hg, /sup 195m/Hg, and /sup 197m/Hg, 25:50764
Polarization of ground state of even isotopes of Hg^+ by stepwise electron impact, 23:39334
Propagation of coherent magnetohydrodynamic waves, 23:39521
Propagation of coherent waves in a warm turbulent magnetoplasma, 24:32861
Superposition of dressed particles in plasma kinetic theory, 23:48905
Trapping of electromagnetic waves by nonlinear resonant interactions with ion sound waves, 25:14374
Wave propagation in a random medium with parabolic background, 21:43900
LIU, C. J. Chiral Lagrangians and pion-field redefinition, 25:22796
Some topological properties connected to the parametrized Feynman amplitudes, 24:52239
LIU, C. L. Determination of piston ring wear rate by ^{59}Fe, 23:21902
LIU, C. S. Dispersion-corrected three-wavelength laser heterodyne measurement of plasma densities, 23:10617
Low-frequency interchange instabilities of the ring current belt, 23:44233 (AD-681724)
Low-frequency interchange instabilities of the ring current belt, 24:51508 (N-70-30120)
Remote plasma control, heating, measurements of electron distribution, and trapped particles by nonlinear electromagnetic interactions, 25:38515 (CONF-710607-25)
Stabilization of the trapped-particle mode by a cool plasma component, 24:42707
LIU, C. T. Circulatory response to supralethal exposure of whole-body x-irradiation, 22:45687
Influence of various ordered states on the mechanical properties of vanadium—cobalt—nickel ternary alloys, 25:35385
New platinum-base capsule alloys for space isotopic heat sources, 24:32416
Phase relations in concentrated Ta—Hf and Nb—Hf alloys, 25:16531
Simple method of determination of the distribution and solubility limit of interstitials in substitutional solid solutions, 25:55568
Strengthening mechanism and fracture behavior of spheroidized carbon steels, 22:4771 (NYO-2394-28)
Strengthening Nb—Hf alloys by α precipitation, 25:35393
Transition morphology during hcp precipitation from beta-isomorphous alloys, 25:29886
LIU, Chelcie Optical spectra observed during ion—molecule collisions, 25:9213
Rotational excitation during ion—molecule collisions, 24:39880
LIU, Chelcie Bosland Optical spectra observed during ion—molecule collisions with low-energy N_2^+ and Ar^+ beams, 25:35873
LIU, Chi Kong Measurement of central and isolated pulmonary arterial and venous blood volume in dogs, 21:10954
LIU, Chih-an Orientation effect on the plastic deformation behavior of molybdenum single crystals at low temperatures, 22:28782 (UCRL-18063)
LIU, Ching Lung Transfer of immunity to Hymenolepis nana in mice with spleen cells or spleen cell fractions, 25:42311
LIU, Ching-tong Effects of whole-body x irradiation on kidney in dog, 23:45918
LIU, Chin-hsiang Specific heat of $NbFe_2$ at elevated temperatures, 22:49742
LIU, Chuan S. Anomalous diffusion in axisymmetric toroidal systems, 25:33210
LIU, Chuan Shen Plasma diffusion due to weak nonazisymmetry, 25:49870
LIU, Chuan Sheng General scheme of studying trapped particles in fusion devices, 25:9420
Low-energy electrostatic instabilities in the magnetosphere, 22:26297 (UCRL-18121)
Low-frequency drift instabilities of the ring current belt, 24:39939
Nonlocal theory of trapped particle instability, 25:52842
Temperature gradient instabilities in axisymmetric systems, 23:36717
Trapped-particle effect on drift-wave instability in toroidal systems, 25:9490

- LIU, Chuan-sheng Instabilities in magnetosphere, 23:32264
- LIU, Chung Kuang Structures of magnetohydrodynamic shock wave, 22:24108
- LIU, Chung Kung Structure of magnetohydrodynamic shock wave, 23:16808 (N-68-31436)
- LIU, Chung Lin Apparatus for determination of U and Th in ores, 23:49597
- LIU, Chung-ching Spheroidal reactor analysis, 21:14034
- LIU, Chung-heng Alignment of ionic ground state of Xe by electron-impact ionization observed through exchange collision with neutral metastable, 22:31639
  - Exchange collisions between the ionic ground state and the neutral metastable state of atoms formed and aligned by electron impact, 21:41756 (UCRL-17342)
  - Magnetic resonance of the ionic ground state of atoms through exchange collisions with the metastable state; and intensity beats due to coherent excitation, 21:43755 (UCRL-17697)
  - Nuclear alignment of ^{1}S$_{0}$ ground state of ^{131}Xe by electron pumping and metastability-exchange collisions, 21:35468
- LIU, D. C. EPR study of isothermal annealing kinetics of Cr ions in x-irradiated ruby, 25:3195
- LIU, David C. EPR study of Cr^{+3} in x-ray irradiated ruby, 25:22599 (N-71-11888)
  - Search for γ-2γ process in nuclear electrostatic fields, 21:38300 (NASA-TM-X-1403)
- LIU, F. F. Measurements of the polarization of protons from deuteron photodisintegration, 22:15661
- LIU, H. P. High pressure ENDOR cavity, 23:9800
- LIU, Henry H. T. Exact evaluation of the lowest order vacuum polarization contributions to the magnetic moment of the muon, 22:52956 (UCD-CNL-81)
- LIU, Henry Hsin-teh Bethe—Salpeter equation and hyperfine structure of positronium, 25:47347
- LIU, J. C. Vasculo-circulatory factor in the central nervous system pathogenesis of the x-ray postirradiation effects, 22:33897 (BNL-12348)
  - Vasculo-circulatory factor in the central nervous system pathogenesis of the x-ray postirradiation effects, 23:31920
- LIU, J. K. Experimental study of the decay K/sub L/ $\rightarrow$ $\pi^0\pi^0$ and other rare decay modes, 24:18073
  - Measurement of branching ratio (K/sub L/ $\rightarrow$ 2π^0)/(K/sub L/ $\rightarrow$ 3π^0), 22:52927
  - Measurement of branching ratio (K/sub L/ $\rightarrow$ $\gamma\gamma$)/(K/sub L/ $\rightarrow$ 3π^0), 22:52926
  - Measurement of branching ratio K/sub L/ $\rightarrow$ 2π^0/K/sub L/ $\rightarrow$ 3π^0, 22:50285 (PPAR-2)
  - Measurement of branching ratio K/sub L/ $\rightarrow$ $\gamma\gamma$/K/sub L/ $\rightarrow$ 3π^0, 22:50277 (PPAR-1)
- LIU, J. S. Liquid scintillator analysis of neutron spectra, 25:15880 (ANL-7760(Pt.1), pp 67-73)
- LIU, J. T. C. Shock tube side-wall electrostatic probes, 21:27136
- LIU, J. W. Test of a theory of elastic charge polarization by comparison with the data of Bromberg for He, 24:3174
- LIU, Jane Hu. Effects of UO$_2^{2+}$ on neuromuscular transmission and membrane conductance, 23:2780
- LIU, John Kuang-ping Measurement of the CP-violation parameter eta$_{00}$ in K/sub L/ $\rightarrow$ 2π^0 decay, 24:20196
- LIU, Jun-shan Thermooxidation of irradiated polyethylene. I, 22:42738
- LIU, K. H. Effects of (p,n) and (n,p) knockout reactions, 24:20374
  - Finite-range interaction in deuteron stripping reactions, 25:59854
  - Prog. rpt. on research in experimental and theoretical nuclear physics, annual, 7/15/71, 25:59841 (ORO-4119-1)
- LIU, Keng-nien Effect of ionizing radiation on animal liver, kidney, heart, and brain invertase, and influence of radiological treatment on patients' sero-invertase activity, 22:23422
- LIU, K'o-ching Thermooxidation of irradiated polyethylene. I, 22:42738
- LIU, Kuang-hsiang Effects of finite range and exchange interactions in (p,n) and (n,p) knockout reactions, 24:15957
- LIU, Kuo Shun Radiation damage studies using the low temperature irradiation facility. IV, 25:22127
- LIU, Lin-gun Effect of pressure and temperature on the lattice parameters of rhenium, 24:39664
- LIU, M. Direct reactions induced by ^{14}N on ^{12}C, 24:30703
  - Heavy-ion reaction leading to members of an isospin multiplet: ^{14}N + ^{12}C $\rightarrow$ ^{13}N + ^{13}C, 23:17077
  - Identification and energy measurement by magnetic spectrometer, 23:47792
  - Identification of heavy ions by magnetic analysis and measurement of energy, 21:45361 (LYCEN-6738, pp 150-4)
  - One-nucleon transfer reactions between complex nuclei at incident energies between 3 MeV/nucleon and 8 MeV/nucleon, 25:34008
  - Reactions (p,2p) at 156 MeV. I, 21:15527
  - Residual nuclei from ^{12}C + ^{12}C reactions at 87 MeV, 22:26878
  - Study of medium-mass nuclei by inelastic scattering of 155-MeV protons. II, 21:7739
- LIU, May Chih-mei Radiation effect on clam thiaminase activity as measured by an improved assay method, 24:16969 (NYO-3461-3, Paper 2)
- LIU, Michel Nucleon transfer reactions between heavy ions, 24:49705 (NP-18448)
- LIU, Pei-chung Staffing and standards in preparation for nuclear power station operation, 23:37557
- LIU, Q. K. K. Analysis of a stripping reaction to a doublet of unbound levels, 23:7238
- LIU, S. C. Analysis of ground-motion accelerograms, 23:43422
- LIU, S. G. High-peak-power, high-efficiency avalanche oscillators, 25:26113 (SC-CR-70-6171)
- LIU, S. H. Effects of hydrostatic pressure on magnetic ordering of heavy rare earths, 24:47331
  - Energy bands for fcc lanthanum and praseodymium, 24:28437
  - Fermi surfaces and generalized susceptibilities for neodymium and praseodymium, 23:30653
  - Fermi surfaces for dhcp La, Nd, and Pr, 23:5480
  - Generalized susceptibilities and magnetic ordering of heavy rare earths, 22:44232
  - Generalized susceptibilities and magnetic properties of some bcc transition metals, 23:25441
  - Generalized susceptibility function for rare earths and thorium and their alloys, 25:43477
  - Long-wavelength magnons in heavy rare earths, 25:50013
  - Theory of magnetic ordering in the heavy rare earths, 23:27702
- LIU, Shao-wu Preliminary observations on the use of radioactive ^{32}P in diagnosing lymphatic metastasis in penial cancer, 22:12874
- LIU, Sheng-wang Analysis of electron motion in a cylindrical electrostatic system with arbitrary cross-section, 22:26742
- LIU, Shih-ming Analysis of electron motion in a cylindrical electrostatic system with arbitrary cross-section, 22:26742
- LIU, Shu-hsiang Disposition of pregnancies incident to cancer of the cervix, 22:19431
- LIU, Shu-ping Four SU(2) invariant weak interaction models with exact ΔT absolute value = $^1/_2$ rule and CP violation, 25:22770
- LIU, Stanley Prog. rpt. on transverse jet plumes, annual, 11/66—11/67, 22:6212 (NYO-3673-2)
- LIU, Sue M. Radiosensitivity of the gastric mucosa, 22:45440
- LIU, T. C. Application of fission track detectors as reactor neutron temperature monitor, 25:34410
  - Distributed parameter type of control for a reactor of nuclear rocket, 25:34418
  - Effective neutron temperatures in reactor core measured by fission track detectors, 25:10836
  - Transient dynamics and thermal stress for nuclear rocket heat-exchanger, 21:12574 (N-66-39722)
  - Transient heat transfer and thermal stresses for a nuclear rocket due to sudden increase of coolant flow, 21:40660
- LIU, Ta-cho Changes in glutatione and sulfo-hydrile groups in the process of elimination of harmful aftereffects of x irradiation of seeds, 22:21549
- LIU, Tien Chen Optimum control of nuclear rockets using models with distributed parameters, 22:12079
- LIU, Tien-chen Spheroidal reactor analysis, 21:14034
- LIU, Ti-han Superconducting electromagnet of Nb$_3$Sn, 21:27070 (AD-648885)
- LIU, Tse-yin Mass-spectrometric analysis of ^{10}B in biological preparations, 22:42607
- LIU, Tsu-huei Bound state and unstable particle scattering in model quantum field theory, 24:35694
  - Bound-state scattering in Lee model, 23:25710
  - Scattering in general higher sectors of Lee model, 24:35719
- LIU, Tung-lai Mass-spectrometric analysis of ^{10}B in biological preparations, 22:42607
- LIU, V. C. Double scattering of the plasma streams in a bi-thermal ionosphere, 22:43994
  - Drift instabilities in a high-β collisionless plasma, 25:47572
  - Dust curtain in gaseous core nuclear reactors for rockets, 24:29065
  - Electrodynamic wake in a rarefied plasma, 21:29285
  - Ionospheric gas dynamics of satellites and diagnostic probes, 23:39367
  - Oscillations of electrostatically trapped particles, 24:17840
  - Particle trapping and plasma oscillations in the satellite-disturbed ionosphere, 23:46370
  - Particles trapped in the potential well behind a mesothermally moving satellite, 21:33279
- LIU, Y. C. Effect of neutron irradiation on the rolling texture of copper, 21:28807
  - Low-lying states of ^{9}Be studies by ^{7}Li(^{3}He,p)^{9}Be reaction, 22:26868
  - Particle identifier with ΔE x E solid state detector counter telescope, 23:653
- LIU, Y. H. Deformation twins in quenched and cold-rolled Ni$_3$Mo, 24:27800
- LIU, Y. M. Defect-concentration dependence of annelaing rate in silicon, 22:1318
  - Electron radiation damage effects in silicon surface-barrier detectors, 25:57907
  - Interaction of lithium with impurities and defects in silicon, 21:3733
- LIU, Yao-ch'en Preliminary observations on the use of radioactive ^{32}P in diagnosing lymphatic metastasis in penial cancer, 22:12874
- LIU, Yiu-sing Calculation of space- and energy-dependent spectra and integral parameters of thermal reactor lattices, 24:24911
- LIU, Yosen Handling of fission products in calculation of burnup with regard to new nuclear data applied to graphite reactors, 25:12776 (JUL-678-RG)
- LIU, Yu-Chien Continuous dispersion sum rule and the NAK coupling constant, 24:35655
  - Continuous moment sum rules, 25:12207
  - Dispersion relation for forward pp scattering, 23:23501
  - Dispersion sum rules for fixed-u πN scattering amplitudes, 25:14709
  - Electromagnetic mass differences of baryons based upon Reggeized tadpole model, 22:9544
  - Forward pp dispersion relation, 25:22844
  - Forward proton Compton scattering and continuous dispersion sum rules, 24:40317
  - New πN superconvergent sum rules and determination of P'-trajectory parameters, 22:26654
  - Phenomenological analysis for the electromagnetic form factor of the pion, 25:38700
  - Pion photoproduction, continuous dispersion sum rules, and Regge intercepts, 24:40320
  - Superconvergent dispersion relation and low-energy kaon—proton interaction, 22:46431
  - Tests of new π—N superconvergent dispersion relations, 21:33701
- LIU, Yuen-chung Gold—silicon surface barrier detector. II, 24:31711
  - Reaction ^{19}F(d,α)^{17}O, 24:49708
  - Reaction ^{27}Al(d,α)^{25}Mg at low energies, 25:38946
  - Simple neutron spectrometer, 25:34925
  - Surface barrier type solid state detector, 23:47742
- LIUKKONEN, E. 31 ms isomeric activity in ^{151}Gd, 24:28778 (NP-18191)
  - Decay of 30s /sup 106g/Rh, 22:35328
  - Disintegration energies of ^{174}Lu isomers, 22:5847
  - Energy levels of ^{176}Yb, 25:28398
  - Energy levels of ^{176}Yb from decay of ^{176}Tm and /sup 176m/Yb, 25:17866 (NP-18599)
  - Isomeric activity 31-ms in ^{151}Gd, 24:26672
  - Level structure of ^{120}Sn from decay of ^{120}In and ^{120}Sb isomers, 25:17865 (NP-18598)
  - Level structure of ^{120}Sn from decay of ^{120}In and ^{120}Sb isomers, 25:20401
  - Levels of ^{118}Sn populated in decay of ^{118}In and ^{118}Sb isomers, 24:11006
  - Levels of ^{83}Kr from decay of 35 h ^{83}Br, 24:6868
  - New isomeric state in ^{118}In, 23:19310
  - Structure of 1518-keV isomeric state in ^{174}Yb, 21:42660
- LIUTI, G. Irradiation of N$_2$—O$_2$—SO$_2$, 23:24259
  - Photochemical separation of the carbon isotopes, 25:8331
- LIUTIKOV, R. A. Calculation of interaction energies and configurational and excess entropies in solutions of transition metal carbides, 24:14894 (LA-4211-tr)
- LIUZZI, A. Analysis of multi-channel gamma ray spectrometer data with adjustment for gain and baseline discrepancies, 22:6634
  - Prog. rpt. on statistical analysis of environmental and total gamma-ray scintillation spectra, annual, 10/65—9/66, 21:8794 (NYO-3136-3)
- LIUZZI, Anthony Deposition and clearance of radioactive particles in the human lung, 21:24424
  - Effect of ^{137}Cs gamma rays on regeneration in Tubularia, 24:44587
  - Effect of ^{137}Cs gamma rays on regeneration in Tubularia, 25:16298
  - Radiation quality and x-ray emulsion responses, 23:38661
  - Regression analysis applied to gamma-ray spectrometer data. II, 22:47369
  - Regression analysis applied to gamma ray spectrometer data. II, 23:19992
  - Some experimental sampling results for regression analysis applied to gamma-ray spectrometer data. I, 21:39202
  - Thyroid ^{131}I burdens in medical and paramedical personnel, 22:2509
- LIUZZO, Joseph A. Nutritive composition of irradiated oysters, 23:43931
  - Prog. rpt. on radiation pasteurization of Gulf shellfish, annual, 1966, 21:45856 (ORO-654)
  - Prog. rpt. on radiation pasteurization of shellfish, 1—12/67, 22:47652 (ORO-660)
  - Prog. rpt. on radiation pasteurization of gulf shellfish, annual, 1/1—12/31/68, 23:45981 (ORO-669)
  - Prog. rpt. on radiation pasteurization of Gulf shellfish, annual, 1—12/69, 24:48771 (ORO-676)
  - Radiation pasteurization of Gulf shellfish, 23:18149 (CONF-681006-, pp 19-24)
  - Storage temperature effects on the proteolytic activity of radiation-surviving bacteria in oysters, 25:27114
- LIVADAS, D. TSH test in persons having received iodine compounds, 22:38340
- LIVADAS, G. C. Nuclear technique in tracing the cumuli clouds, 21:12537
- LIVAGE, J. Amorphous hydrate zirconium oxide, 22:36557
  - Nature and heat production by amorphous hydrated zirconium oxide, 24:3008
  - Nature and thermal evolution of amorphous hydrated zirconium oxide, 22:38608
- LIVAGE, Jacques Nature of precipitated hydrated oxides of elements of group IV A. I, 24:27053
  - Nature of the precipitated amorphous oxides of the elements of group IV A. II, 24:29277
- LIVAK, R. J. Electron microscopy of spinodal alloys, 24:44724 (UCRL-19629)
  - Structure and mechanical behavior of spinodally decomposed Cu—Ni—Fe alloys of asymmetrical composition, 24:26886 (UCRL-19189)
- LIVANOU, Theodora Preparation and immunological properties of ^{131}I-labeled adrenocorticotrophin, 22:30989
- LIVANOV, V. A. Dependence of the mechanical and heat resisting properties of ST1 titanium alloy on heat treatment, 21:45903
  - Isothermal transformations in titanium—molybdenum alloys, 22:7021
- LIVDAHL, P. V. Characteristics of beam from the Argonne ZGS injector linac, 21:29787
  - High-energy physics utilization of ZGS, 22:32307 (CEAL-2000, pp 456-9)
  - Operation of first section of NAL linear accelerator, 24:30659
- LIVENGOOD, C. David Neutron spectral measurements in water and behind iron slabs near the PUR-I reactor, 24:31730
- LIVENGOOD, Charles David Development of a fast neutron spectrometer and measurement of neutron spectra transmitted through iron slabs, 25:44205
- LIVENTSEVA, I. F. Parameters of plasma produced by fast electron beam in a magnetic field, 25:36118
- LIVERA, Phillip A. Method of bonding a boron nitride body to a refractory metal, 22:23745
- LIVERGANT, Yu. E. Choice of doses in radioiodine therapy of patients with different forms of thyrotoxicosis, 22:38303
- LIVERGRANT, Yu. E. Hypothyrosis after radioiodine treatment of thyrotoxicosis, 25:32348

LIVERMORE, F. C. Investigation of tantalum film properties by layers, 25:25237
  Phase composition and conductivity of sputtered tantalum, 24:51845
LIVERMORE, Shaw Resources management, 23:50595 (CONF-671135-, pp 275-89)
LIVERNASH, William H. Inert atmosphere management and surveillance at the Argonne National Laboratory Fuels Technology Center, 25:54945 (CONF-710401-, pp 98-105)
LIVERSAGE, W. E. Critical look at RET, 25:42413
  Formula for equating protracted and acute regimes of radiation, 23:43769
  High dose-rate treatment moulds by afterloading techniques, 23:29679
  Nominal standard dose and the RET, 25:42446
  Rate of decay of dose equivalent of sub-lethal damage, 24:6118
LIVERTOVSKAYA, T. Ya. Epimerization of monosaccharides under effect of γ irradiation, 24:6002
  Radiation chemistry of carbohydrates. XII, 25:6371
LIVESAY, B. R. Uniaxial anisotropy and rotational hysteresis in thin gadolinium films, 21:21088
LIVESAY, D. F. Assembly, welding, and testing operations for manufacture of fuel elements, 22:12477 (RFP-1078)
LIVESEY, D. J. UKAEA fuel test assemblies irradiated in HBWR, 1964—66, 25:20736 (HPR-132)
LIVESEY, D. L. Search for lowest T = 2 state of ^{9}Be: experimental, 23:49326 (ANU-P-443)
  Search for the lowest T = 2 state of ^{9}Be, 24:1753
LIVESEY, R. Why no british nuclear merchantman, 24:7263
LIVESEY, R. G. Apparatus for examination of single crystals by scattered protons, 23:35381
  Proton scattering microscope, 22:43168
LIVESEY, R. Gordon Proton pinball machine, 23:16675
LIVESEY, R. L. Electron-cyclotron heating, 23:34377 (ORNL-4401, pp 79-97)
LIVEY, D. T. Beryllium oxide, 22:13047
  Calcination of two BeO powders, 21:12396
  Calcination processes in oxides, 23:34066
  Materials for engineers. VIII, 22:2674
  Phase diagrams. Part II, 21:45937
  Properties of BeO containing up to 15 wt percent SiC and up to 2 wt percent MgO, 21:20566
  Some effects of powder characteristics on densification and microstructure, 23:1044
  Wetting properties of solid oxides and carbides by liquid metals, 22:23752 (AERE-M/R-1746)
LIVEY, David Thomas Improvements in or relating to sintered bodies, 21:28822
  Refractory oxides doped with silicon carbide and silicon nitride, 22:23880
LIVINGOOD, J. J. Decade of progress in cyclotrons: frequency-modulated and isochronous, 21:37989
  Energy-analyzing system for Argonne 60-inch cyclotron, 21:15431 (ANL-7251)
  Low power magnetic channel with dipole compensation, 23:28048
  Proposed Midwest tandem cyclotron (MTC), 25:31083
LIVINGOOD, John J. Optics of dipole magnets, 23:21210
LIVINGSTON, A. E. Jr. Spectra of neutral and singly ionized holmium, 25:58708
LIVINGSTON, Donald E. Geochronology of the emplacement, enrichment and preservation of Arizona porphyry copper deposits, 21:39033 (COO-689-76, App.A-III)
LIVINGSTON, G. K. Haploid parthenogenesis in forest trees, 24:41847
LIVINGSTON, H. D. Estimation of molybdenum in biological material by neutron activation analysis, 21:19565
  Estimation of Sb in human enamel by activation analysis, 23:47406
  Simultaneous estimation of Cu, Zn, Cd, and Hg in biological material by neutron activation analysis, 21:21885
  Strontium and uranium concentrations in aragonite precipitated by some modern corals, 24:48170
  Trace element concentrations in some modern corals, 23:49750 (NYO-2174-96)
  Trace elements in human tooth enamel, 23:4563
LIVINGSTON, H. K. Polymerization on carbon black surfaces, 24:11353 (COO-1580-8)
  Prog rpt. on controlled polymerization of adsorbed monomers, annual, 12/27/68, 23:9418 (COO-1580-4)
  Prog. rpt. on controlled polymerization of adsorbed monolayers, annual, 1966, 21:30441 (COO-1580-1)
  Prog. rpt. on controlled polymerization of adsorbed monomers, annual, 1967, 22:8087 (COO-1580-3)
  Prog. rpt. on controlled polymerization of adsorbed monomers, annual, 12/29/69, 24:11352 (COO-1580-7)
  Prog. rpt. on controlled polymerization of adsorbed monomers, 6/71, 25:39524 (COO-1580-13)
  Radiation polymerization of adsorbed furan molecules, 23:47478
LIVINGSTON, Hugh D. Activation analysis of lanthanide elements in modern corals, 22:44979 (NYO-2174-70)
  Nondestructive neutron activation analysis of calcium: atherosclerotic lesion regression studies, 25:39447
LIVINGSTON, J. D. Effect of metallurgical variables on superconducting properties, 21:37404
  Intermediate state in Type-I superconductors, 23:27569
  Magnetization of superconducting Cu—Pb alloys, 22:41523
  Superconducting properties of eutectics, 21:27078
LIVINGSTON, M. S. American 200 GeV accelerator, 23:46889
  Design progress at the National Accelerator Lab., 1968—1969, 23:39866 (NAL-26)
  Large-orbit electron synchrotron, 21:13766 (TID-23521)
LIVINGSTON, M. Stanley Development of high-energy accelerators, 21:2565
  Early history of 200-GeV accelerator, 22:44540 (NAL-12)
  Particle accelerators, 24:20296
  Particle physics, 25:50087
  Prog. rpt., semiannual, 1—6/66, 21:13745 (CEAL-1033)
LIVINGSTON, P. M. Upper limits to 304- and 584-A night helium glow, 22:15426
LIVINGSTON, R. S. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)
  Beam current limits in the oak ridge isochronous cyclotron, 24:45629 (CONF-691101-, pp 92-8)
  Cyclotron beam current limits, 24:38027
  Discussion of heavy ion accelerators, 23:28124
  Experimental separated-orbit cyclotron (4 MeV), 21:38091
  Recent progress on a supercurrent separated orbit cyclotron, 21:29763
  Separated-orbit cyclotron (4 MeV), 23:28044
LIVINGSTON, Ralph Paramagnetic resonance study of NO_2 in irradiated KNO_3 at 4°K, 22:105
LIVINGSTON, Robert S. Acceleration of heavy ions, 24:30657
  Introduction to the state of heavy-ion accelerator projects, 23:39867 (ORNL-TM-2662)
  Introduction to the state of heavy-ion accelerator projects, 24:49647
  Survey of methods of accelerating heavy ions, 23:52040 (ORNL-TM-2686)
  Trends in United States for acceleration of heavy ions, 25:25573 (ORNL-TM-3332)
  Trends in US for acceleration of heavy ions, 25:45867
LIVINGSTON, W. Double-K_3 emission line observed in sunspots and in prominences, 24:17542
  Magnetograph measurements with temperature-sensitive lines, 24:10303
  Observational evidence for quantization in photospheric magnetic flux, 24:10304
  Photospheric magnetic fields on March 7th 1970, 24:37132
  Solar granulation spectrogram, 22:29093
  Solar rotation: direct evidence from prominences for a westward wind, 25:58601
LIVINGSTON, W. C. Correlations between brightness, velocity, and magnetic fields in solar photosphere, 22:34180
  Differential rotation with height in the solar atmosphere, 24:3114
  Further comments on SPO problem, 22:29141
  Magnetograph observations of the quiet sun. I, 22:49944
  Properties and limitations of image intensifiers used in astronomy, 21:43700
  Solar rotation, 1966-68, 23:32103
LIVINGSTON, William C. Magnetic fields on the quiet sun, 21:3564
  Sun's magnetism, 21:33034
LIVINGSTONE, Walter Surveys of radium contamination in aircraft instrument repair facilities 1966—1967, 25:32435
LIVISHITS, N. N. Possibility of harmful effects of low doses of ionizing radiation on mature central nervous system, 23:24749 (A-AC-82/G/L-1263)
LIVOLANT, M. Effect of non-uniformity of slowing-down flux on the resonance integral, 22:30381
  Neutron studies on plutonium in thermal reactors, 25:18135 (EUR-4477)
LIVOLANT, Michel Diffusion coefficients as a function of energy for usual moderators, 21:5457 (CEA-R-3010)
  Neutron thermalization studies at Saclay, 24:16275 (CEA-N-1243)
LIVOLSI, A. Z. Fast breeder reactor static physics methods development and analysis project, 24:11166 (BAW-3867-9(Vol.2))
  Fast breeder reactor static physics methods development and analysis project, 24:11165 (BAW-3867-9(Vol.1))
  Fast breeder reactor static physics methods development and analysis project, 24:11167 (BAW-3867-9(Vol.3))
  Fast breeder reactor static physics methods development and analysis project. Volume 1. FARED: one-dimensional fast reactor physics design and analysis code, 25:12772 (BAW-3867-9(Vol.1)(Rev.1))
  Fast technique for J-function averaging, 22:33136
  Neutron ^{238}U cross-section data for ENDF/B, 22:7689 (BAW-316)
  Prog. rpt. on fast breeder reactor static physics, 10—12/67, 22:18356 (BAW-3867-2)
  Prog. rpt. on fast breeder reactor static physics, 1—3/69, 23:40454 (BAW-3867-8)
LIVSEY, Walter Oldham Nuclear reactor having a concrete pressure vessel, 23:52346
  Nuclear reactors, 23:19490
LIVSHCHITS, R. E. Study of reactive protein in ^{90}Sr administration, 21:34602
LIVSHITS, A. A. Magnet power supply for the BSB Fe-free synchrotron, 21:15447
LIVSHITS, A. I. Focusing of a thermal beam of hydrogen atoms in the field of a hexapole magnet, 21:43779
  Focusing of thermal beams of hydrogen atoms, 22:5098
  Formation of sharply directional molecular beams by means of channels, 25:47322
LIVSHITS, I. B. Problems concerning the effect of irradiation of diencephalo-hypophysial area in its pathology, upon endocrine glands, 24:4696
  Radiation effects on endocrine system of dogs, 24:9754
LIVSHITS, L. S. Distribution of alloying elements between phases on wear-resistant deposits, 23:46045
LIVSHITS, M. A. Difference of the turbulent velocities in the active and unperturbed photosphere, 24:25904
  Finite solutions in the theory of nonrenormalizable interactions, 21:21151
  Generation of higher-harmonic electron cyclotron frequencies in plasma with beams, 24:19925
  Interpretation of observations of CO lines in the solar spectrum, 22:36581
  Ionization of interplanetary gas, 24:25883 (CSIRO-Trans-9684)
  Line widths in spicules, 21:11358
  Nonlinear excitation of plasma oscillations at electron resonance, 24:49218
  Nonlinear generation of higher electron cyclotron frequency harmonics in a plasma with a current, 22:11447
  Nonperturbative treatment of the lepton weak interaction, 23:15048
  Profiles of lines in the active and undisturbed photosphere, 25:45252
  Quiet-corona temperature determined from soft x-radiation flux, 25:19418
  Radio emission and atmospheric structure above sunspots, 21:28886
  Spectra of magnetohydrodynamic turbulent plasma, 24:12818 (NP-18110)
  Spectra of magnetohydrodynamic turbulence in collisionless plasma, 25:3096
  Spectra of turbulence of whistlers in collisionless plasma, 24:51730 (NP-18482)
  Sunspots, 22:52327
  Velocities of small-scale inhomogeneities in the interplanetary medium, 22:47754
  X and radio emission from local solar sources, 24:48961
LIVSHITS, N. N. Combined action of acceleration and ionizing radiation on the higher nervous activity and functional state of the vestibular analyzer, 23:24729
  Combined action of vibration and ionizing radiation on metabolism and functioning of central nervous system, 21:16437 (JPRS-38272, pp 334-5)
  Combined effect of acceleration and ionizing radiation on conditioned reflexes in rats, 23:16402
  Combined effect of spaceflight factors on some functions of the organism, 21:30911
  Combined effect of vibration and ionizing radiations on the conditioned reflexes of rats, 22:12759 (NASA-TT-F-413, pp 229-43)
  Complex action of vibration and ionizing radiation on the conditioned reflex activity of rats, 21:16436 (JPRS-38272, pp 336-7)
  Effect of space-flight factors on functions of the central nervous system, 22:12751 (NASA-TT-F-413)
  Effects of space flight on the central nervous system, 25:11298
  Peculiarities of the effects of various types of radiation on the higher nervous activity of animals, 21:6436
  Problems of radioneurology at the third congress on radiation research, 21:36724
  Reasons for disagreements in evaluating central nervous system radiosensitivity between investigators using conditioned-reflex and labyrinth methods, 22:15058
LIVSHITS, R. E. Effect of ^{90}Sr on certain indices of natural immunity, 24:27552
  Effect of immunization on kinetics of ^{90}Sr elimination, 22:6745
LIVSHITS, V. A. Spectra of photoconductivity of green leaves and chloroplasts at a frequency of 10^{10} cycles per second, 25:10412 (UCRL-Trans-1427)
LIVSTONE, Elliot M. Gastrointestinal microflora of irradiated mice. II. Effect of oral antibiotic administration on the colonic flora and survival of adult mice, 24:39569
  Gastrointestinal microflora of irradiated mice. I. Relationship of mucosa and microflora in weanling mice, 24:39570
  Gastrointestinal microflora of irradiated mice. II. Effect of oral antibiotic administration on the colonic flora and survival of adult mice, 24:51057
LIWO, Jan van de Graaff ion accelerator (0.5-MV, 100 mwA), 21:46633
LIYELPETER, Ya. Ya. Motion of conducting bodies in a magnetic field, 22:13311 (NASA-TT-F-460)
LIYVA, A. Noise-level power equivalents of some photoelectron multipliers, 21:41296
LIZARSKAYA, I. V. Isotopic composition of Soviet volcanic gases, 22:12434
LIZIN, I. M. Canonical method for calculations of effects for particles with arbitrary spin, 23:25662
LIZLOVS, E. A. Polarization cell for potentiostatic crevice corrosion testing, 24:51134
LIZNEV, V. N. Use of ionizing radiation to increase frost resistance of hybrid apple varieties, 22:47641
LIZOGUB, P. P. Radiation from a charge moving uniformly in inhomogeneous magnetoactive media, 24:5172
LIZUNKOVA, I. S. Field pulsations at magnetically conjugate points, 22:34480
LIZUREI, G. I. Excited states of ^{129}I following decay of /sup 129m/Te, 23:4012
  Lifetime of excited states of Gd nuclei, 24:26662
LIZUREI, H. I. Decay of /sup 73m/Se, 25:50669
LIZUREJ, H. I. Excited states of ^{76}As from ^{76}Ge(p,n)^{76}As reaction, 25:50670
  Low excited states of ^{54}Mn, 23:1822 (INP-626)
  Low-energy excited states of ^{54}Mn, 23:23670
  Low-energy excited states of ^{63}Zn from the decay of ^{63}Ga, 23:25887
LIZUREJ, Henryk I. Double magnetic coincidence beta-ray spectrometer, 24:21005
  Experimental methods for the determination of internal conversion coefficients, 23:23784
  Rapid separation of radioactive elements by evaporation in vacuum, 22:23096 (INP-584/PL)
  Rapid separation of radioactive elements by evaporation in vacuum, 22:40203
  Rapid separation of radioactive elements by vacuum evaporation, 23:2380 (ORNL-tr-2013)
LJOLJE, K. Ground state of liquid ^{4}He in model of semifree gas, 22:50117
  Quantum effects in a semiclassical plasma, 21:37490
LJUBICIC, A. Deexcitation of the 662-keV state in ^{137}Ba by the internal Compton effect, 25:28422
  Directional correlation studies in decay of /sup 177g/Lu, 25:3684
  Directional gamma—gamma angular correlation in ^{177}Hf, 23:23737
  Double electron ejection in decay of ^{137}Ba, 25:31359
  Energy-distribution measurement in the double decay of ^{137}Ba, 24:15918

- Ge(Li)—NaI(Tl) system for gamma—gamma angular correlation measurements, 23:24444
- Incoherent scattering of 662-keV gamma rays by K-shell electrons in gold, 23:30351
- Internal Compton effect, 23:44910
- LJUBIMOV, A. L. Spark chambers for measurements of elastic backward scattering of positive pions by protons, 21:17837
- LJUBIMOV, Vladislav Electromigration in molten and solid binary sulfate mixtures: relative cation mobilities and transport numbers, 21:14222
  - Isotope effects of electromigration in molten Li—K sulfate mixtures, 23:4609
- LJUNG, D. Semileptonic neutrino neutral currents, 23:42536
- LJUNGBERG, L. Considerations in an irradiation-effects programme for fast-reactor structural materials, 24:40894 (TRG-Report-1911, pp 36-43)
  - Intercrystalline stress corrosion cracking of Inconel 600 inspection tubes in the Agesta reactor, 21:1859 (AE-245)
  - Intercrystalline stress corrosion cracking in Inconel 600 inspection tubes in Agesta reactor, 22:14154
  - Irradiation behavior of steels, 24:10120 (KFK-985, pp 263-72)
- LJUNGGREN, B. Variable star BD + 63°141, 24:23616
- LJUNGGREN, K. Activation analysis of mercury and other environmental pollutants in water and aquatic ecosystems, 25:31880
  - Evaluation of tracer investigations on flow in systems with recirculation, 22:14703
  - Methods of activation analysis for mercury in the biosphere and in foods, 21:12331
  - Radioisotope tracers for evaluating flow of material in plant and natural systems, 22:10508
- LJUNGGREN, Knut Nuclear techniques for water pollution control in Sweden, 22:30777
  - Recent experiences with activation analysis, 24:33652
- LJUNGGREN, Stig Diffusion of uranium hexafluoride in some other gases, 21:3029
- LJUNGQUIST, K. G. Roentgenologic-photometric method for bone mineral determinations, 25:13509
- LJUNGSTROEM, Anders Forced and free oscillations. some aspects of longitudinal plasma waves. technical report no. 70:2, 25:30605 (NP-18673)
- LKHAGVA, O. Lower bounds for scattering parameters, 25:33851 (JINR-P4-5660)
  - Motion of particles in the fixed centers field, 25:20059 (JINR-P4-5547)
  - Peculiarities of the two-nucleon transfer reactions, 24:38338
  - Reduced cluster widths for ^{14}N and ^{15}N, 22:15951 (JINR-P4-3681)
  - Reduced cluster widths for ^{14}N and ^{15}N, 23:17081
  - Use of K-harmonics in scattering problems, 25:9889 (JINR-P4-5366)
- LLABADOR, Y. Chemical behavior of ^{132}I formed by disintegration of ^{132}Te in organic medium. II, 21:25902
  - Chemical behavior of ^{132}I formed by disintegration of ^{132}Te in organic medium. IV, 23:6191
  - Chemical behavior of ^{132}I formed by the β disintegration of ^{132}Te in organic medium, 24:48123
  - Phase influence on the chemical behavior of ^{132}I formed by decay of ^{132}Te in an organic milieu, 21:3137
- LLABADOR, Yvan Influence of the phase on the chemical behavior of ^{132}I formed by the disintegration of ^{132}Te in organic medium. III, 21:45185
- LLACER, J. Gamma compensated and high-purity Ge radiation detectors, 25:23766 (BNL-15643)
  - Lithium drifted semiconductor radiation detector, 23:2578
  - Particle identification at relativistic energies by the use of secondary emitters with negative electron affinity, 24:7648 (BNL-14183)
  - Particle identification at relativistic energies by the use of secondary emitters, 24:21014 (BNL-14466)
  - Particle identification at relativistic energies by the use of secondary emitters, 24:39364
- LLACER, Jorge Transmission secondary emission from thin films of alkali halides, 22:49988 (SLAC-86)
- LLAGUNO, Claro Electron distributions for the helium-atom—hydrogen-molecule system, 25:52619
- LLASSOTSKAYA, Violetta Structural development in Zr—Nb alloy, 23:48470
- LLERENA, L. A. Disappearance rates of endogeneous FSH in serum, 24:25349
- LLEWELLYN, E. J. Altitude profile of the infrared atmospheric system of oxygen in the dayglow, 22:29332
  - Comments on paper 'oxygen atmospheric and infrared atmospheric bands in the aurora', 25:56018
  - Night airglow hydroxyl rotational temperatures, 24:45160
  - Observations of the 1.27-μ band of O_2 twilight airglow, 24:45159
  - Preliminary results from the 1.27-micron measurements in the Boulder ionospheric modification experiment, 25:7269
  - Study of (4-1) and (5-2) hydroxyl bands in night airglow, 25:58902
  - Summer daytime height profiles of O_2 at Fort Churchill, 24:23862
  - Temporal variation of infrared O bands in airglow, 23:36595
  - Twilight airglow measurements of OH and O_2 bands, 25:40455
- LLEWELLYN, Edward J. Basic research on aurora and airglow, 24:39924 (AD-704820)
- LLEWELLYN, J. A. Prog. rpt. on radiation induced luminescent processes in gases, 11/66, 21:22974 (TID-23789)
  - Prog. rpt. on radiation induced luminescent processes in gases, 11/68, 23:10434 (ORO-3349-4)
  - Prog. rpt. on radiation induced luminescent processes in gases, annual, 12/69, 24:22672 (ORO-3349-7)
  - Prog. rpt. on sensitized luminescence in irradiated noble gas systems, Final, 10/22—11/9/64, 22:95 (AD-646604)
- LLEWELLYN, Peter M. Ion cyclotron double resonance spectrometer, 24:515
  - Ion cyclotron resonance mass spectrometer having means for detecting the energy absorbed by resonant ions, 22:40490
- LLEWELLYN, Susan WUNDEE: one-dimensional radial heat-transfer computer program for conductive and radiative heat-transfer situations, 23:37608 (AERE-M-2165)
- LLEWELLYN-JONES, F. Glow discharge and an introduction to plasma physics, 21:7289
  - Ionization avalanches and breakdown, 21:23023
- LLEWELYN, G. Refractory metals as possible future aero-engine materials, 21:43572
- LLOPIS, J. Radiochemical study of the anodic corrosion of ruthenium, 21:10409
- LLORENS, Alfred S. Prevention of radiation damage, 23:16358
- LLORET, A. Prog. rpt. on $\pi^+ 2\ \pi^-$ final states coherently produced on nuclei by 16 GeV/c π^-, final, 8/66, 21:33609 (AD-637734)
- LLORET, Polen Gamma ray camera, 25:8497
- LLORET, R. Measuring absolute activity of ^{58}Co source with a coincidence device, 22:14773
  - Use of copper as an integrator of fast neutrons, 21:12635 (NP-16449)
  - Use of titanium as detector of fast integrated flux, 21:19900 (NP-16620)
- LLORET, Raoul Fast neutron spectrum in reflector of a swimming-pool type reactor, 21:38443 (CEA-R-3180)
- LLORY, H. Modifications of the aerobic buccal flora after buccal pharyngeal radiotherapy, 25:49323
- LLOSA, R. Residual nuclei produced in high-energy interactions with heavy emulsion nuclei, 21:19259
- LLOVERAS, Jacques Effect of γ radiation on phospholipase A activity of Sticker sarcoma, 25:57940
- LLOYD, A. C. High temperature reaction rate data. I, 23:4640
- LLOYD, B. C. J. Impact of the new developments on economics and industrial progress, 25:18077
- LLOYD, B. C. L. Availability and supply of uranium concentrates, 23:33274 (CONF-680625-7)
- LLOYD, Barry C. J. Uranium supply and demand situation, 23:40886 (CONF-681064-1)
- LLOYD, C. Main-sequence gap and red-giant clump of NGC 6939, 24:3062
  - Old open cluster NGC 2420, 25:6970
- LLOYD, Christopher George Handling facilities and methods, 25:42044
- LLOYD, D. B. Compatibility of NaK with type-316 stainless steel and Nb—1 percent Zr alloy in heat rejection system, 22:31327
  - Unclad-metal breeder reactor for desalting or power, 23:13556 (ORNL-4202)
  - Use of unclad-metal fuel in high gain breeders for desalting or power, 22:5945
- LLOYD, D. E. Fabrication and properties of large-diameter tubes and coatings in pyrolytic silicon carbide, 23:22640
- LLOYD, D. J. Crystal structure of beta-potassium dizirconate: β-$K_2Zr_2O_5$, 24:32508
- LLOYD, D. R. Calibration of a He(I) photoelectron spectrometer, 24:46541
- LLOYD, David J. Possible contribution of diffusive grain-boundary pore growth to creep deformation of ceramic materials, 25:4848
- LLOYD, E. Relative binding of strontium and calcium in protein and non-protein fractions of serum in the rabbit, 22:30999
  - Surface to volume ratios of bone determined by computer analysis of microradiographs, 22:31003
- LLOYD, Edward C. Conference on accurate characterization of the high-pressure environment, Gaithersburg, Md., 10/68, 25:54878
- LLOYD, Elizabeth Comparison of relative rates of transfer of barium, radium, and strontium between blood and bone, 24:31815 (ANL-7489, pp 77-81)
  - Deposition patterns of bone-seeking isotopes in man, 24:7721
  - Measurement of bone mineral using computer analysis of microradiographs, 25:4638 (CONF-700515-, pp 195-8)
  - Metabolism of Ca and Sr in rabbit and man, 21:45561
  - Quantitative characterization of bone, 25:21750 (ANL-7760(Pt.2), pp 63-94)
  - Retention of alkaline earths in animals and man, 24:27502 (ANL-7615, pp 49-53)
- LLOYD, H. Fabrication of stainless steel canned annular uranium-dioxide fuel elements, 21:36900 (AERE-R-2876)
  - Manufacture of M.T.R. thermocouple fuel plates, 21:8033 (AERE-M-1040)
- LLOYD, Henry Fuel element end closure, 22:4760
  - Fuel element fabrication, 23:12400
  - Improvements in or relating to nuclear fuel element fabrication, 21:27845
  - Improvements in the swaging of metals, 22:6521
  - Improvements in the treatment of stainless steel tubes, 22:45761
- LLOYD, J. P. F. Eye findings in goats after acute whole-body irradiation, 22:19415
- LLOYD, J. W. F. Sky intensity and spectral distribution during solar eclipse of 11/12/1966 at Bage, Brazil and on aircraft, 25:35763
  - Summary of sky brightness measurements during eclipses of the sun, 25:35761
- LLOYD, J. William Mortality of U miners in relation to radiation exposure, hard-rock mining, and cigarette smoking, 23:26916
- LLOYD, K. B. Prog. rpt. on metallurgical characteristics of high strength structural materials, 12/65—3/66, 21:6795 (AD-641262)
  - Prog. rpt. on metallurgical characteristics of high strength structural materials, 4—6/66, 21:13151 (NRL-6513)
- LLOYD, K. H. Theoretical models for brightness of contaminant glow clouds in the upper atmosphere, 23:17575 (NP-17772)
- LLOYD, L. T. Beta-α phase transformation in high purity Pu, 21:32905
  - Metallographic and x-ray studies of alpha plutonium, 21:9188 (RFP-658, pp 185-94)
- LLOYD, M. D. Application of polarized-orbital approximation to electron excitation of H, 24:23790
- LLOYD, M. H. Analysis and significance of rare-earth oxides produced by a sol—gel method, 21:5844 (ORNL-TM-1682)
  - Comparative studies on lanthanides and actinides, 24:29176 (CONF-700502-, pp 464-75)
  - Crystalline americium trihydroxide, 22:45089
  - Euler-angle reduction of Schroedinger equation for three-electron atoms, 22:41320
  - Mound assistance program: development of a sol-gel process and equipment for production of dense $^{238}PuO_2$ microspheres, 25:29921 (ORNL-4565)
  - Preparation of ^{244}Cm—^{243}Am oxide microspheres, 23:35273
  - Preparation of lanthanide oxide microspheres by sol—gel methods, 21:36906 (ORNL-4000)
  - Preparation of plutonium oxide sol and calcined microspheres, 21:26884
  - Preparing plutonia aquasols, 23:41720
  - Processing methods for the recovery of transplutonium elements, 24:22748
  - Properties of thulium oxide microspheres prepared by sol—gel methods, 25:742 (CONF-700403-(Vol.1), pp 201-12)
  - Regular wavefunctions for atomic three-and four-particle systems, 24:39885
  - Sol-Gel process, 23:35279
  - Sol-gel process for preparing dense forms of PuO_2, 22:43643
  - Sol-gel processes for PuO_2 and UO_2—PuO_2, 24:30004 (CONF-700502-, pp 100-12)
- LLOYD, M. K. Hazards to ^{131}I estimation in thimerosal preserved milk, 21:15839
- LLOYD, O. Initiation of arcs by ion bombardment, 25:9442
- LLOYD, O. E. S. Applications of atomic energy in African economic plans, 24:45859
- LLOYD, P. H. Dissociation of histone from deoxyribonucleohistone by γ-irradiation, 22:51056
- LLOYD, P. J. Bacterial oxidation of witwatersrand slimes, 25:23675
  - Economic recovery of low-grade uranium values from Witwatersrand ores, 25:23690
  - Prog. rpt. on extraction metallurgy, 12/65, 21:24088 (PEL-121(Vol.5))
  - Separation and recovery of Au and U from leach solutions, 21:24091 (PEL-121(Vol.5), pp 496-501)
- LLOYD, P. J. D. Production of high-purity U at South African gold mine, 22:18894
- LLOYD, R. A. High precision "signacon" mass-meter, 22:10648
- LLOYD, R. C. Critical experiments with homogeneous PuO_2—polystyrene at 5 H:Pu, 22:33062
  - Critical experiments with homogeneous PuO_2—polystyrene at 5 H:Pu, 22:37530 (BNWL-SA-1630)
  - Critical experiments with homogeneous PuO_2—polystyrene at 5H/Pu, 23:9208
  - Critical plutonium systems. I, 23:28604
  - Criticality of arrays of ^{233}U solution, 22:18577
  - Criticality of plutonium nitrate solutions in slab geometry, 22:33063
  - Criticality of plutonium nitrate solution containing soluble gadolinium, 25:39681
  - Criticality of Pu nitrate solutions containing Raschig rings, 25:4281
  - Criticality of $Pu(NO_3)_4$ solution slabs having high ^{240}Pu content, 24:7199
  - Criticality of PuO_2—UO_2 aqueous mixtures, 24:7191
  - Interacting arrays of containers with ^{233}U solution, 21:38720
  - Material bucklings for ^{235}U-enriched U tubes in light H_2O, 21:12246
  - Reflector savings for uranyl nitrate of low enrichment, 24:11226 (BNWL-1258)
- LLOYD, R. D. ^{241}Am retention in beagles, 24:50684 (COO-119-241, pp 123-43)
  - Americium-241 studies in beagles, 24:16953
  - Calibration of a gamma-ray spectrometer for soils counting, 23:674
  - Cesium and rubidium studies in mice, 23:41199 (COO-119-239, pp 40-60)
  - Cesium-137 half-life in man, 23:7951
  - Comparison of ^{137}Cs content of milk and people, 24:7832
  - Comparison of macro distribution of ^{241}Am and ^{59}Fe in young adult beagle, 24:553 (COO-119-240, pp 129-38)
  - Design and calibration of a total-body counting system for measuring radioactivity in beagles, 24:50895 (COO-119-241, pp 2-24)
  - Distribution and retention of injected ^{210}Pb in the beagle, 24:50683 (COO-119-241, pp 105-22)
  - Distribution of ^{241}Am in beagle, 23:11978 (COO-119-237, pp 117-23)
  - Environmental levels of radioactivity in Utah following operation Pinstripe, 24:34198
  - Knothole, a new side-well gamma ray detector, 21:16187
  - POLYSPEC: a computer program to resolve complex gamma-ray spectra from samples of different densities, 21:42708
  - Potassium studies in humans, 21:24290 (COO-119-235, pp 107-36)
  - Radiation induced intraocular melanomas, 25:24333 (COO-119-242, pp 211-42)
  - Radioactivity within a tunnel in granitic rock, 22:45181
  - Short half-times of ^{137}Cs in pregnant women, 23:14131
  - Zirconium-95 in Utah vegetation produced during the 1966 growing season, 25:10999

LLOYD, R. Michael Oxygen-18 composition of oceanic sulfate, 21:32286
LLOYD, R. V. Electron paramagnetic resonance study of free-radical reactions initiated by radioactive decay in solid naphthalene-1-t, 23:4709
  EPR spectrum of x-irradiated adamantane, 25:39533
  EPR studies of 1-naphthyl and 2-naphthyl radicals produced by tritium decay, 24:27179
LLOYD, Ray D. ^{228}Th skeletal dosimetry and total-body ^{212}Bi retention in beagles, 24:50896 (COO-119-241, pp 144-62)
  Conference on delayed effects of bone-seeking radionuclides, Sun Valley, Idaho, 9/67, 23:38429
  Distribution of injected ^{226}R in the beagle skeleton, 24:50679 (COO-119-241, pp 60-8)
  Distribution of injected ^{90}Sr in the beagle skeleton, 24:50682 (COO-119-241, pp 97-104)
  Fractional radon retention in bone, 24:50680 (COO-119-241, pp 69-78)
  Lead-210 contamination of ^{228}Th: its contribution to dose in beagles in our ^{228}Th toxicity studies, 23:12062 (COO-119-237, pp 110-16)
  Photon detector utilizing a well-type scintillation crystal, 25:57759
  Radiation-induced bone cancer, 23:38800
  Radium and mesothorium retention and skeletal dosimetry in beagles, 24:50678 (COO-119-241, pp 25-59)
  Retention and dosimetry of some injected radionuclides in beagles, 24:50677 (COO-119-241)
  Retention and skeletal dosimetry of injected ^{90}Sr in beagles, 24:50681 (COO-119-241, pp 79-96)
  Retention of ingested ^{83}Rb and ^{137}Cs by four patients with Duchenne muscular dystrophy, 23:41198 (COO-119-239, pp 2-29)
  Retention of injected ^{239}Pu by chinchillas, 25:23995 (COO-119-242, pp 377-84)
  Short half-times of ^{137}Cs in pregnant women, 21:24291 (COO-119-235, pp 137-42)
LLOYD, Robert C. Complex formation in Neodymium nitrate—water—di-(2-ethylhexyl) phosphoric acid, 25:13092
  Infrared and Raman spectra of trivalent lanthanide—Di-(2-ethylexyl) phosphoric acid solvent extraction organic equilibrium phases, 25:2193 (CONF-700403-8)
LLOYD, Roger V. Electron paramagnetic resonance study of alkylimino radicals obtained by photoinduced decomposition of aminoalkyl radicals in adamantane, 24:36307
  EPR of free radicals in adamantane matrix. II, 25:31990
  EPR of free radicals in an adamantane matrix. I, 25:6348
  Isotropic EPR spectra from free radicals trapped in adamantane matrix, 24:36276
LLOYD, T. L. Developments in nuclear instrumentation, 24:33892
LLOYD, Walter B. Self-controlled sequence for automatic standardization and calibration of nuclear gauges, 22:21367
LLOYD-DAVIES, R. W. Endolymphatic radiotherapy, 24:7967
  Lymphopenia in man after intralymphatic injection of radioactive ^{131}I-Lipiodol, 21:34698
LLOYD-JONES, C. P. Automatic counter for radioactive deposits on planchets, 23:22032
  Determination of ^{14}C in biological material by flask combustion and suspension scintillation counting, 24:27000
LLUCH, M. Effect of x irradiation on transport of glucose of rat, 24:14590
  Immediate effects of x irradiation on the intestinal absorption of glucose and radioprotection by cysteamine, 21:24475
  Immediate effects of x irradiation on the intestinal absorption of glucose in vivo, 21:24476
  Minimum dose of x rays to alter absorption of glucose, 23:41349
  Radioprotective action of cysteamine, 23:50619
LLUNA, J. A. Burriel Fluid densities by gamma radiation absorption, 23:199
LNAGER, P. Laser-produced plasmas from solid deuterium targets, 22:34716
LNENICKA, B. Digital device for the measurement and control of power and period of a nuclear reactor, 25:1970
  Single-purpose digital computer in nuclear engineering, 24:31050 (ZJE-72)
LNENICKA, Bohumil Compensation of a heavy water reactor without mechanically controlled absorbing rods, 22:1826
LO, B. W. N. Electron spin—spin contact interaction in atoms with f/sup n/ configurations, 25:49762
LO, C. C. Spark gap trigger amplifier with 1-msec recovery time, 25:18791
LO, G. Y.-S. Vibrational assignments for dichlorofluoroethylenes and deuterodichlorofluoroethylenes, 21:35971
LO, H. H. Electron capture and loss in collisions of heavy ions with atomic oxygen, 25:52675
  Excitation of 3914 A N_2^+ radiation in collisions of heavy ions with N_2, 23:14621
LO, Hing Har Radioisotopic "subtraction" scanning for pancreatic lesions, 22:12883
  Uptake of pertechnetate by the vagotomized rat stomach, 24:34034
LO, Hing-har Simple method of correcting ^{99}Mo breakthrough from a /sup 99m/Tc—^{99}Mo generator, 24:11605
LO, Hsi Hu. Electron capture and loss in collisions of heavy ions with atomic oxygen below 2 MeV, 25:14042
LO, Iudice N. Number-conserving calculation of nuclear spectra of odd-mass isotopes of Pb, Tl, and Hg, 23:23682
LO, Liau-fu An intermediate boson theory, 22:37127
  Anomalous interaction, lepton structure, and μ—e mass-difference, 22:37118
LO, Mei-kuo Gamma-induced defect bleaching in alpha Al_2O_3, 21:3919
  Properties of gamma-irradiated alpha Al_2O_3 subjected to 30-kbar pressure, 21:3918
LO, Pei-ling Regge poles and phases of πN-scattering at T $= {}^3/_2$, and J $= {}^3/_2$, 21:932
LO, R. E. Properties of lithium hydride with respect to its use as a rocket fuel. III, 25:46392 (ORNL-tr-2473)
  Properties of lithium with respect to its use as a rocket fuel. I, 25:44284 (ORNL-tr-2471)
LO, R. K. Heat transfer in heterogeneous UO_2—PuO_2, and UC—PuC fuels in EBR-II, 24:33331
  Neutronic and thermal-hydraulic characteristics of a high-worth control rod for EBR-II, 24:33285
LO, Robert K. Effect of Pu migration on allowable power rating and Doppler broadening, 25:41424
LO, S. Measurement of time-averaged voids by neutron diagnosis, 25:51924
LO, S. C. Conditions for mixed superconducting and excitonic phase in semi-metals, 24:23893
  Possible exact momentum pair-breaking mechanism due to Umklapp processes in superconductors, 21:25080
LO, S. Y. Bounds, multiplicity, and energy dependence, 25:30899
  Chou—Yang model, current—current interaction, and nucleon nucleon scattering, 24:52401
  Factorization of multipion production, 24:26418
  Field-current identity, universality, and K/sub l3/ decay, 22:48278
  Neutron form factor, 22:44383
  Shape of mesons, 23:23413
  Symmetry breaking under U_3 x U_3, 25:7703
  Symmetry-breaking parameters under U_3 x U_3 and eta—X mixing, 25:41050
  Zeros in the droplet model, 23:39728
LO, Tsung-lo Influence of gibberellin and indolyl-acetic acid on the sensitivity of germinating rice seeds toward x rays, 21:26540
  Sensitivity of germinating rice seeds to irradiation in relation to the growth of seedlings, 21:24656
LO, Tsung-lo. Changes in glutatione and sulfo-hydrile groups in the process of elimination of harmful aftereffects of x irradiation of seeds, 22:21549
LO, Y.-S. Vibrational assignments and potential constants for cis- and trans-1-chloro-2-fluoroethylenes and their deuterated modifications, 24:22648
LO, Yu-lien Early-stage cytological changes in small intestine mucosae of mice damaged by x radiation, 22:12906
LOACH, B. G. Superconducting synchrotron design, 25:33899 (RPP/N-23)
LOADER, R. T. Interstitial atom energies in graphite, 23:41757
LOADOV, E. N. Determination of ^{18}O isotopic constitution of oxyanions using Raman scattering, 24:18882
LOAIZA, J. M. Compositional analyses of soils, forages, and cattle tissues from beef-producing areas of Eastern Panama, 24:2301
LOAN, R. W. Effects of irradiation on avian leukosis, 25:55329
LOAN, Raymond W. Interferon production with strain SE-4 of parainfluenza-3 virus, 22:52049
LOASBY, R. G. Some physical properties of plutonium at low temperatures, 21:32871
  Transformation kinetics of the α—β and delta—α transitions in pure and alloyed Pu, 21:32907
LOASSES, A. Radiotherapy with betatron-accelerated electrons, 24:32130
LOBACHIK, V. I. Changes of calcium metabolism of rats during hypokinesia, 23:20140
LOBANKOV, V. V. Synthesis and properties of molybdenum borocarbide, 25:42941
LOBANOK, A. G. Effect of polysaccharide of Pullularia prototropha on irradiated Ehrlich tumor cell, 21:26535
LOBANOV, A. D. Certain two-dimensional flow at finite magnetic Reynold's numbers, 22:5214
  Determination of mean current in the duct in the presence of induced magnetic fields, 21:20811
  Retardation of free unsubmerged jets in a perpendicular magnetic field, 23:48796
  Stability of a plane magnetohydrodynamic fluid jet, 22:38867
  Stationary jet in magnetic field, 22:9159
  Two-dimensional flows at finite Reynolds numbers, 21:33248
LOBANOV, E. M. Activation analysis for determining the content of Ta and Cs in rocks, 25:2145
  Activation methods for determining content of Ta and Cs in rocks, 25:8230
  Determination of Cu, As, and Sb in sulfide minerals by neutron activation analysis, 22:47088
  Determination of Hf in Ti and Ti compounds, 22:37694
  Determination of impurities in pyrographite by method of delayed coincidences of β and γ radiation, 25:57389
  Determination of rare-earth elements in ash of plants and soils by neutron activation, 22:22969
  Determination of the uranium and thorium content in rock and ore samples on the basis of fission fragments, 22:18915
  Determining impurities in ferrite garnets and in yttrium oxide by activation analysis, 22:14438
  Determining lithium by means of reactions ^{6}Li(n,α)^{3}H and ^{16}O(t,n)^{18}F, 21:34221
  Effects of irradiation in a reactor active zone on the quartz plate oscillation frequency, 23:4866
  Neutron activation analysis of impurities in quartz crystals, 23:15823
  Neutron activation determination of cobalt by nondestructive means, 25:57386
  Neutron flux in VVR-S reactor after shutdown, 22:3911
  Neutron flux measurements in active zone of VVR-S reactor after shutdown, 21:4410
  Neutron-activation assay for lanthanum and samarium in minerals, 21:8199
  Neutron-activation determination of Re in Mo concentrates, 22:37680
  Neutron-activation determination of Mn and Cu in crude oil, its fractions, and ashes, 23:45233
  Quantitative estimation of V and Ni in crude oil, in its fractions and ashes by the method of neutron activation, 23:47409
  Radiation-induced changes in the electrical properties of LiF monocrystals alloyed with Na, 25:43445
  Radioactivation determination of bismuth in mineral material, 21:10293
  Radioactivation determination of rhenium by using ampoule neutron sources, 23:2196
  Radioactivation gamma spectrum method for determination of some elements in plates of crystalline quartz, 23:47410
  Rapid determination of tungsten and hafnium in pure molybdenum, 23:40592
  Rhenium determination by radioactivation analysis using ampule neutron sources, 22:4031
  Sensitivity of activation analysis from short-lived isotopes, 23:35037
  Sensitivity of the activation analysis on short-lived isotopes, 25:48 (CSIRO-Trans-10089)
  Some procedures for the simplified interpretation of two-component photopeaks, 24:13792
  Two-channel scheme for synchronized recording of nuclear fission fragments of standard and tested samples, 21:12720
LOBANOV, F. I. Extraction—photometric determination of Nb(V) with benzohydroxamic acid, 25:2085
  Group concentration of elements by extraction with a hydroxyquinoline melt, 25:57312
LOBANOV, G. P. Ampoule channel for irradiation of construction materials in SM-2 reactor, 24:31104 (SRARI-P-56)
  Capsule rig for irradiation of structural materials in SM-2 reactor, 25:39300 (LB/G-3013)
  Capsule rig for irradiation of structural materials in SM-2 reactor, 25:39307 (LB/G-3025)
  Capsule rigs for materials irradiation in SM-2 high-flux reactor, 25:44487 (LB/G-3026)
  Capsule systems for material irradiation in high flux reactor, 25:18189
LOBANOV, K. M. Effect of electric field on particle motion in a stellarator, 25:22474
LOBANOV, S. V. System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
LOBANOV, V. S. Research and training reactor IR-100, 21:21778
  RG-1 reactor for geological research, 21:12249
LOBANOV, Yu. N. Forces of interaction of an electromagnetic wave with a plasmoid, 22:9323
  High frequency discharge within a ring electrode, 21:15186
  Mechanism of electron capture in a betatron, 21:2560
  Method for determining γ field variations at the atmosphere layer, 23:6224
LOBANOV, Yu. V. Apparatus for investigation of α-active nuclei: the products of reactions with heavy ions, 25:14841 (JINR-P13-5353)
  Identification of elements 102 and 104 by collimation method, 24:49866
  Identification of elements 102 and 104 with the help of the collimation method, 25:10030 (KFK-tr-329)
  Nuclear properties of element 102 with mass numbers 255 and 256, 21:5532 (JINR-P-2938)
  Nuclear properties of the isotopes of element 102 with mass numbers 255 and 256, 21:30018
  Potential identification of products of heavy-ion-induced nuclear reactions, 25:20419
  Properties of isotope ^{256}102, 21:38299 (JINR-P7-3423)
  Properties of isotope ^{256}102, 22:24865
  Properties of isotope 102^{251}, 21:25507 (JINR-E7-3261)
  Properties of isotopes ^{206} ^{214}Ra, 23:13274
  Properties of Ra isotopes with mass numbers 214 to 206, 22:9854 (JINR-P7-3613)
  Properties of some isotopes of elements 102 and 103, 22:3696 (JINR-P7-3556)
  Properties of some isotopes of the elements 102 and 103, 22:39646
  Regularities of production of spontaneously fissionable isotope of element 105, 24:40614 (JINR-P7-5108)
  Spontaneous fission of the isotopes of elements 103 and 105, 24:26637 (JINR-P7-4932)
  Synthesis and determination of radioactive properties of some fermium isotopes, 21:5531 (JINR-P-2904)
  Synthesis and determination of radioactive properties of some isotopes of fermium, 21:19278
  Synthesis and investigation of properties of isotopes of transuranium elements, 22:18208 (JINR-D7-3548, pp 3-14)
  Synthesis and investigation of properties of isotopes of transuranium elements, 22:44678 (ANL-Trans-633)
  Synthesis of element 105, 24:49858 (JINR-P7-5164)
  Synthesis of element 105, 25:5757
  Synthesis of element 105, 25:12620
LOBANOVA, E. A. Biological effect of electro-magnetic waves of millimeter range, 23:45915
  Effect of chronic exposure to pulsed and nonpulsed 10-cm waves on the conditioned-reflex activity of white rats, 21:26425
  Effect of chronic exposure to pulsed and nonpulsed 10-cm waves on the conditioned-reflex activity of white rats, 22:43471
  Investigation of conditioned-reflex activity in animals (albino rats) subjected to effect of ultrashort and short radio waves, 25:16323
  Standardizing periodic microwave irradiation, 24:9939
LOBANOVA, L. F. Incompressible boundary layer at the nonconducting wall of plane magnetohydrodynamic channels, 25:47377

  - Numerical solution for a problem on the boundary layer of a nonconducting surface in a magnetohydrodynamic channel, 21:23040
- LOBANOVA, T. S. Investigation of U(IV) complexing with acetate and formate ions, 25:54581
- LOBAO, N. Radioactivity in diet in high background areas of Brazil, 25:13439
  - Radioactivity of Brazil nuts, 22:21413
- LOBAO, Nazyo Radium-226 in human teeth and urine, 21:26438
- LOBAR, W. Apparatus for measuring photoproduction reactions in GeV range with on-line data analysis facilities, 22:367
  - Measurements of π^0 photoproduction cross sections for incident gamma-ray energies of 2.0 to 5.0 GeV, 21:27295
  - Photoproduction cross sections for π^+ and K^+ mesons at 3.4 to 4.0 GeV and their comparison with SU(3), 21:29423
  - Photoproduction of π^0 with plane polarized 3-GeV photons, 23:44583
  - Photoproduction of π^0's from neutrons at 4 GeV, 25:59243
  - Search for leptonic quarks, 21:37664
- LOBASHEV, B. P. Impregnation of metalloceramic bodies, 23:27079
- LOBASHEVA, N. M. Nonequilibrium ionization at the entrance of plasma flow into magnetic fields, 24:51652
- LOBASHOV, V. M. Circular polarization of ^{181}Ta γ quanta, 23:44904
  - Circular polarization of γ quanta from ^{181}Ta, 21:15586
  - Experimental evidence of P-parity non-conservation in nuclear forces, 22:27382
  - Investigation of left-right asymmetry in compton scattering by polarized electrons, 25:40724 (BNL-tr-428)
  - Investigation of parity nonconservation in the reaction $n + p \rightarrow d + \gamma$, 24:30443
  - Nonconservation of P parity in γ decay of ^{41}K, 23:46939 (BNL-tr-283)
  - Parity non-conservation in gamma decay of ^{181}Ta, 21:38346
  - Parity nonconservation in γ-decay of ^{41}K, 24:1796
  - Parity violation in γ decays of ^{181}Ta and ^{175}Lu, 25:34092
  - Recent work on parity mixing in nuclear states, 24:52501
- LOBASTOV, Yu. S. Initial argon ionization behind a shock front, 25:22540
  - Measurement of the electron temperature in gases behind shock waves by microwave thermal irradiation, 22:36890
  - Multiwave studies of relaxation phenomena in argon plasma, 25:3064
- LOBB, D. E. Beam envelope of an initially uncorrelated ellipsoidal beam, 24:35762
  - Effect on charged particle trajectories of higher multipolarity components in a magnetic quadrupole field, 25:1693
  - First-order effects of misalignments in beam transport system, 25:3495
  - Program to calculate the phase space acceptance of beam handling system, 23:49243 (TRI-68-7)
  - Properties of some useful two-dimensional magnetic fields, 23:1735
  - Theoretical investigation of the stepped-field configuration used for focusing positron beams, 21:9896
- LOBB, Donald Edward Focussing system for positron beams, 21:7591 (SAL-5)
- LOBB, R. C. Density changes in U thermally cycled between 400 and 600°C, 22:52167
  - Irradiation effects in U alloys and compounds, 21:31066
  - Irradiation growth and creep in Zircaloy-2, 24:14838
- LOBBIN, F. Technical specifications as applied to first-generation nuclear power plants, 23:28497
  - Thermal bowing in pin-type fuel rods, 23:28638
- LOBBIN, Fred Establishing Safety Limits and Limiting Safety System settings for research (pulse) reactors, 25:6121
- LOBELL, George M. Superconducting cable, 21:18606
- LOBENE, Ralph R. Interaction of laser radiation with oral hard tissues, 21:8956
- LOBER, M. Zone-electrophoretic, chromatographic, and spectrographic investigations on fibrinogens of normal and Co-treated rabbits, 25:21884
- LOBERG, B. Field-evaporation end form of W, 24:5214
  - Grain-boundary dislocations in tungsten wire, 25:16539
  - Vacancy clusters in fission-fragment-irradiated tungsten, 25:17292
- LOBERG, Bengt Combined field-ion and electron microscope studies of grain boundaries in tungsten, 25:19249
- LOBIER, G. Study of yttrium carbohydrides and yttrium sulfohydrides by x-ray and neutron diffraction, 25:32830
- LOBIER, Gerard Hydrogenation of the carbides, nitrides, and sulfides of the transition elements, 25:40102 (CEA-R-4065)
- LOBIKOV, E. A. Isotope effect in infrared spectrum of SF_6, 25:44364
- LOBINA, I. G. Determination of deuterium oxide in tissue by means of infra-red spectra, 23:2755
- LOBITZ, Don W. Dynamic membrane stresses in a ring, 24:29145 (SC-RR-69-866)
- LOBKIVSKII, A. P. Investigation of (d,α) reactions on ^{19}F in deuteron energy region 2.4 to 3.95 MeV, 23:8938
- LOBKO, S. I. Cherenkov radiation by a particle with alternating spin $^1/_2$ to $^3/_2$, 24:40209
  - Nonleptonic decay of Ω^- hyperon, 23:49112
  - Particle with variable spin $^1/_2$ to $^3/_2$ in field of plane electromagnetic wave, 25:53092
- LOBKOVSKII, A. P. Reaction (d,α) in ^{19}F, 24:28720
- LOBKOWICZ, F Photoproduction of ω mesons from hydrogen and deuterium, 25:14512
- LOBKOWICZ, F. Design study for muon and antiproton facility, 21:2553 (UR-875-161)
  - Determination of $\omega \rightarrow \pi^+\pi^-$ decay amplitude from photoproduction, 25:40861
  - Determination of ω—γ coupling constant and ω—N scattering amplitude, 25:40860
  - K^-p backward scattering from 1 to 2.5 GeV/c, 23:51863
  - K^+p backward scattering in the region from 1.0 to 2.5 GeV/c, 22:52947
  - Measurement of π/sup +-/p backward scattering between 1.54 and 2.04 GeV/c, 21:25235 (BNL-11359)
  - Photoproduction of 8-GeV rho mesons from nuclei, 24:15445
  - Photoproduction of ω mesons from complex nuclei, 24:30429
  - $Pi^{+-}p$ backward scattering between 1.5 and 3.0 GeV/c, 22:20152
  - Precise measurement of K^+/K^- lifetime ratio, 24:8560
  - Remeasurement of π^+ lifetime, 21:29438
  - Small-angle proton-proton polarization and cross section at 213 Mev, 21:872
  - Wire spark chamber for gamma ray detection, 24:23008
- LOBLAW, James Calvin Radiolysis of aqueous benzene solutions, 23:49875
- LOBO, Francis X. Kinetics of postirradiation oxygen effect, 23:45968 (ANL-7535, pp 235-8)
- LOBO, R. Effective electron—ion interaction by the canonical-transformation method, 25:17332
  - Helium drag in the theory of impurity mobility in liquid helium, 23:1313
  - Helium drag theory of impurity in liquid ^{4}He, 23:25243
- LOBO, W. E. Steelmaking and acetylene production, 23:5993 (ORNL-4294)
- LOBO, Walter E. Acetylene and low-cost power, 23:28776 (CONF-680810-, pp 83-92)
- LOBODA, S. V. Possible test of the lepton charge conservation by means of impulse generator of antineutrinos, 24:30546
- LOBODZIEC, W. Exposure evaluation of personnel dealing with clinical radium applicators, 23:33704 (CLOR/IO-70)
  - Radiation exposure of personnel handling radium applicators, 21:28486
- LOBODZIEC, Wlodzimierz Analysis of exposure of the staff employed in radium laboratories by means of computing machines, 23:43760 (TT-67-56003/6, pp 847-60)
  - Computer methods for analyzing of personal exposure by Ra, 21:26454
  - Effect of absorption and dispersion of x-rays on a distribution of doses in nonuniform medium beyond the central beam of radiation, 21:26447
  - Gamma ray dose distribution in soft tissue, 23:45750
  - Staff x irradiation in the course of bronchography and barium enema procedures, 21:43469
- LOBODZINSKA, Maria Studies on asiatic influenza viruses. VI, 25:21983
- LOBOV, G. A. Angular correlations of linearly polarized photons, 23:47057
  - Coefficients of angular correlation of dipole and quadrupole gamma transitions, 23:19323 (BNL-tr-246)
  - Coefficients of angular correlations of dipole and quadrupole γ transitions of nuclei, 22:44750 (ITEF-564)
  - CP-parity nonconservation and triple correlations, 21:17409
  - Determination mixing parameter in radiation transitions of the nuclei, 21:40469 (NP-16950)
  - Determination of mixing parameter in nuclear radiation transitions, 21:40493
  - Effects of parity violation in inelastic scattering reactions with photon emissions, 25:39100
  - Experimental test of renormalization theory of weak interactions in ep scattering processes, 25:14646
  - P-odd effects in (ep) and (μp) scattering, 23:23438
  - Radiative capture of muons and the weak interaction structure, 23:44967
  - Radiative capture of μ-meson and second kind currents, 22:13723
  - Radiative μ capture, 21:42373
  - Radiative μ^- capture and second class currents, 21:42324 (ITEF-491)
  - T-violation in strong and electromagnetic interactions of hadrons, 21:42413 (NP-16951)
  - Violation of P-parity in inelastic scattering reactions with photon emission, 24:10799
  - Violation of T-invariance in resonance scattering of photons by nuclei, 21:15380
  - Weak interaction effects in the scattering of muons and electrons on protons, 23:13060
- LOBOV, G.A Non-conservation of CP-parity in strong interactions and $\beta\gamma\gamma$ correlations, 21:44424
- LOBOV, S. I. Contact microroentgenography of histological sections with the aid of ^{55}Fe irradiation, 24:6085
  - Method for preparing radioactive sources of soft x radiation, 22:37943
  - Pulse gas-discharge commutating device with radioactive stabilization of the breakdown potential, 22:38162
  - Soft x-rays for measurement of thicknesses of thin coatings, 23:31572
- LOBOVA, T. A. Effect of the chemical bond strength on the electrolytic refining of multi-component systems, 25:24550
  - Electrochemical refining of commercial niobium in chloride salt melts, 22:52153
  - Obtaining metallic Nb from Ni—Si alloys by electrolysis, 24:36883
- LOBSINGER, R. J. Advances in FTR fuel subassembly design, 22:32986
  - Cladding and hardware considerations, 22:1849 (BNWL-SA-1388, pp 4.1-5)
  - FFTF fuel element design, 21:27797 (BNWL-SA-1066-S)
  - FFTF fuel element design, 22:27461 (BNWL-SA-1066)
  - FFTF fuel-element design, 21:38697
- LOBUNETS, V. S. Effect of dehydrocholic acid on bile secretion in experimental radiation sickness, 24:34657
- LOBURETS, Yu. V. Bombardment of thin CdTe films with indium ions, 21:37592
  - Investigation of cathodoluminescence of cadmium sulfide, 21:828
- LOBYNTSEV, V. A. Calculation of the effective boundary conditions for multilayer blocks, 24:50209
- LOBZOV, L. D. Effect of synchrotron-oscillation resonances on longitudinal beam instability in a storage ring, 25:41144 (UCRL-Trans-1439)
- LOC, Vutien Lanthanum chromite: new properties, 24:8203
- LOCA, R. New prestressing procedures applicable to reactor pressure vessels, 24:16319 (EUR-4280(Vol.1), pp 157-86)
- LOCALIO, S. Arthur Surgical aspects of radiation enteritis, 24:7937
- LOCANTE, J. Environmental testing of engineered safety features related equipment, 25:57097 (WCAP-7744)
  - Tritium in pressurized water reactors, 25:41472
- LOCANTE, John WNSE shielding application, 25:5978
- LOCARD, P. J. Core polarization in reaction ^{209}Bi(p,p')^{209}Bi(1.61 MeV) at 39.5 MeV, 24:35875
  - Effect of core polarization of ^{209}Bi(p,p')^{209}Bi (1.61 Mev) reaction at 39.5 MeV, 24:22138 (COO-1051-40)
  - Effective interaction and the reactions ^{7}Li(p,p')^{7}Li(478 keV) and ^{7}Li(p,n)^{7}Be(431 keV), 22:3622
  - Inelastic scattering of protons from ^{16}O and the spin-dependent part of the effective interaction, 25:33977
  - Reaction ^{6}Li(p,p')^{6}Li(3.56 MeV) from E/sub p/ = 24.3 to 46.4 MeV and effective interaction, 23:15365
- LOCARD, Pierre Elastic and inelastic scattering of polarized protons, 21:31828 (CEA-Bib-83)
  - Samarium-151 excited levels, 21:31772 (CEA-R-3047)
- LOCARDI, E. Uranium and thorium in the volcanic processes, 22:30729
- LO CASCIO, V. Iron kinetics with ^{59}Fe for diagnosis of hemochromatosis, 22:51817
- LOCATELLI, Paolo Intermolecular and intramolecular free valence transfer in gamma irradiated crystalline hexadecanoic and cis-9-octadecenoic acids, 25:26312
- LOCCHI, S. Oscillopolarography of explosive nitro derivatives, 24:11407 (UCRL-Trans-10414)
- LOCCI, M. A. Arrival time distribution computation for particles of E. M. component in EAS, 21:37207
  - Calculation of nucleon cascade in Al, 23:5446 (ORNL-tr-2017)
  - Cherenkov light in 10^{13}- to 10^{14}-eV extensive air showers, 21:37215
  - Efficiency of a telescope with plastic counter and lead converter for disclosure of photons, 24:50547 (LNF-70/13)
  - Monte Carlo type program for simulation of events produced in ADONE in regulating with magnetic analyzer, 23:37039 (LNF-69/13)
  - Single and double charge-exchange of pions by light nuclei, 23:1810
- LOCH, Ernst-Gerhard Accuracy of ultrasound measurements of the pelvis as compared to radiography, 24:44540
- LOCHAK, Georges Does atomic radiation exist for which the Bohr law does not hold, 23:32191
- LOCHBAUM, R. MCR system parametric studies, 22:50778 (GMAD-3078-20(Vol.2))
  - MCR system parametric studies, 22:50777 (GMAD-3078-20(Vol.1))
- LOCHEN, M. Comparison of ten low-alloy steels normalized and tempered for nuclear reactor vessels, 22:52160 (EURAEC-2051)
- LOCHER, J. Differential diagnosis of pulmonary embolism, 24:50985
  - Radioisotopes in the diagnosis of gastric disease, 25:13495
- LOCHER, J. Th. Biphasic scan in cirrhotic liver disturbances based on various physiological principals, 25:8715
- LOCHER, M. P. Absorptive corrections to associated production of strange baryon and meson resonances in πp scattering, 21:15360
  - Adler's self-consistency condition for nuclei, 23:28237
  - dpn and tdn coupling constants from forward neutron—deuteron dispersion relations, 25:3408
  - Hadron—nucleus forward dispersion relations, 24:11026 (CERN-69-30)
  - Hadron-nucleus forward dispersion relations, 24:49769
  - Inelastic meson—nucleon scattering in the Quark model, 21:2466
  - Nucleon—nucleus forward dispersion relations, 24:24502
  - Nucleon-nucleus forward dispersion relations, 22:53085
  - Pion—nuclear forward dispersion relations, 22:13775
  - Production and absorption of pions on nuclei, and dispersion relations for elastic nuclear scattering, 25:56810 (CERN-71-14, pp 155-228)
  - Reaction $\gamma + {}^4He \rightarrow {}^3H + n + \pi^+$ in impulse approximation, 21:31558
  - Relativistic treatment of structure in Coulomb interference problem, 21:42367
  - Why is the 33-resonance shifted in nuclei, 25:25465
- LOCHMANN, E.-R. Cysteine incorporation and radioprotection in Saccharomyces, 21:1788
  - Dark recovery of Saccharomyces after uv- or x-irradiation, 24:48744
  - Effects of thiopyronin on dark reactivation of uv, x, and photodynamic damage in Saccharomyces, 22:45644
  - Effects of x radiation on methionine, 21:23941
  - Isolation of radiosensitive mutant of Saccharomyces, 22:38240
  - Nucleic acid content and nucleic acid synthesis in saccharomyces cells after x irradiation, 23:14134
- LOCHMANN, Ernst-Randolf Effects of x radiation on DNA synthesis, 23:7954
  - Nucleic acid content and synthesis after roentgen irradiation, 21:24683
  - Rates of DNA synthesis in radiation-sensitive Saccharomyces mutant after uv or x-ray irradiation, 24:598
- LOCHMANN, K. Testing of nuclear power plant components, 24:47812
- LOCHMANN, K.-H. AEG-steam separators, 22:25013

LOCHMUELLER, C. H. Effect of an electric field on gas chromatographic retentions by liquid crystals, 25:44245 (COO-1222-47)
  High-precision gas chromatography, 24:31147 (COO-1222-36)
LOCHNER, J. R. Laser light detecting and ranging systems, 23:2702 (SC-DR-67-850)
  Mobile laser transceiver used for detecting long range, slow velocity, and low density targets, 21:34407 (SC-DC-67-1596)
  Study of output of Q-switch laser system, 21:27869 (SC-TM-67-185)
LOCHNER, Jerrel R. GB-lidar system, 22:1931 (SC-DC-67-1948)
LOCHSTET, W. A. Levels of ^{11}O observed in ^{13}C(^{3}He,n)^{11}O reaction, 25:33999
LOCHTE-HOLTGREVEN, W. Plasma diagnostics, 23:10610
LOCHTE-HOLTGREVEN, Walter Developments in the area of plasma physics, 22:31863
LOCHTER, M. Studies of surface discharges on insulating foils, 25:30581 (EUR-4593, pp 385-92)
LO CICERO, G. Cardiovascular system during radium therapy, 24:9954
LOCK, Abraham Charged Bose gas, 25:7500
LOCK, C. J. L. Concerning rhenium nitrogen fluoride and technetium nitrogen fluoride, 25:15639
  Determination of rhenium, 22:50916
LOCK, G. A. Isobaric-analog studies with ^{107}Ag and ^{109}Ag, 23:31011
  Reaction ^{31}P(d,α)^{29}Si from 7.3 to 12.0 MeV, 23:15390
  Reaction ^{31}P(p,α_0)^{28}Si, 21:23452
LOCK, George Allen Statistical analysis of the ^{31}P(d,α)^{29}Si reaction, 23:1847
LOCK, W. O. Intermediate energy nuclear physics, 24:38382
  Intermediate energy nuclear physics, 25:9694
LOCKARD, J. L. Economics of waste management involving fluidized bed calcination, 21:10589 (CONF-660208-, pp 844-57)
LOCKARD, M. P. Radioactivity in coal mine drainage, 25:16185
LOCKARD, M. Paul Alpha radioactivity in coal mine drainage, 23:31776
LOCKE, A. W. Radiolysis and photolysis of nitromethane, 22:2154
LOCKE, D. H. Defected Zircaloy clad fuel, 23:43216
  High burnup irradiation experience in Vulcain, 24:18658
LOCKE, Frances B. Diagnostic radiation utilization in selected short-term general hospitals, 25:24228 (BRH/DBE-70-8)
LOCKE, G. Analytical computation of Pu balance for two-type strategy consisting of thermal converters and fast breeders, 25:26068
  Simple model for calculation of the macroscopic power distribution in a light water reactor, 21:42736
LOCKE, J. G. Scattering of neutrons by ^{10}B and ^{11}B, 24:40564
LOCKE, J. L. Diameters of some quasars at a wavelength of 66.9 cm, 22:5019
  Long-baseline interferometer measurements of CP 0329, 24:17504
  Long-baseline interferometer observations at 408 and 448 MHz. I, 24:10259
  Long-baseline interferometer observations at 408 and 448 MHz. II, 24:15076
  Observations of quasars using interferometer baselines up to 3,074 km, 21:33097
  Rapid radio variations in BL Lac, 23:41825
  Three radio sources with unusual intensity variations, 23:41837
LOCKE, J. W. Time-of-flight velocity analyser using metastable molecules, 21:29009
LOCKE, Stanley Combination neutron and gamma ray logging technique, 24:41427
  Measuring apparatus and method, 24:39381
  Two neutron detector earth formation porosity logging technique, 24:7512
LOCKER, A. Modification of the radiation protective effect of olive oil by various application methods and combination with a plant extract, 21:16423
  Radiation protection with psychotropic drugs, 25:49210 (SGAE-SS-7/1971)
  Radioprotective effects of psychotropic drugs, 25:19028
LOCKER, B. Purification of a /sup 121m/Sn source, 21:19721 (IA-1058)
LOCKER, D. R. Nuclear spin-lattice relaxation measurements by tone-burst modulation, 22:25693
  Pulsed NMR by tone-burst generation, 23:23267
LOCKER, David J. Delta-function scattering, 25:4962
  Exact semiclassical transition probabilities for collinear collisions, 24:19768
  Inelastic nonreactive scattering: three atoms interacting via three interatomic potential energies, 25:16814
  Reactive scattering: a simple three-body model, 24:49031
  Semiclassical transition probabilities for collinear collisions between an atom and a Morse oscillator, 24:10384
LOCKER, R. J. High-speed, high sensitivity, ionizing radiation detector, 22:38015
  High-temperature performance of an avalanche radiation detector, 22:38031
LOCKER, Robert J. A unique radiation detection concept for a miniature particle spectrometer, 21:32432
  Development of a germanium avalanche-type semiconductor nuclear particle detector and discussion of avalanche detector arrays, 22:40389
  Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7/66-1/67, 21:16143 (NYO-3246-9)
  Prog. rpt. on avalanche type semiconductor radiation detectors, annual, 1—12/67, 22:19097 (NYO-3246-TA-1)
  Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 1—6/68, 22:45281 (NYO-3246-TA-3)
  Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7—12/68, 23:19935 (NYO-3246-TA-4)
  Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 1—6/69, 23:45512 (NYO-3246-TA-5)
LOCKERETZ, W. Photoproduction of electron—positron pairs at 2.3 and 5.6 GeV, 24:40233
  Photoproduction search for dipion resonances in the mass range from 1360 to 1780 MeV, 23:42533
LOCKERT, R. J. Low-energy radioactivity and avalanche semiconductor radiation detectors, 24:11775
LOCKETT, G. B. Direct cycle applications of high temperature gas cooled reactors, 23:28544
LOCKETT, G. E. Design concepts for power reactors, 21:15744
  Dragon project engineering studies on the direct cycle HTR, 25:20703
  Engineering of Dragon reactor experiment, 24:38472 (DP-Report-63)
  Engineering principles of high-temperature reactors, 23:37508
  HTR direct cycle, 24:50173 (CONF-700401-, pp 268-90)
  Pressure vessels for helium high-temperature reactors, 23:11231
  Tentative layout of HTGC reactor with gas turbine cycle, 21:34093 (EUR-2757.e, pp 217-)
  The dragon project and its reactor experiment. project dragon, 24:40889 (NP-9383)
  Using high-temperature reactor for power generation below 500 MW(e), 25:28719
LOCKETT, George Edward Improvements in nuclear reactors, 25:10168
  Improvements in or relating to nuclear reactors, 22:18625
  Improvements in or relating to nuclear reactors, 22:42290
  Improvements in or relating to power plant, 23:19487
  Method for closing penetrations in walls of pressure containing structures, 22:10469
  Nuclear reactors, 23:17191
LOCKEY, G. W. A. Satellite measurement of upper atmospheric molecular oxygen densities, 23:42040
LOCKEY, R. AGS injector beam monitoring system, 21:19086 (BNL-11148)
  AGS injector beam monitoring system, 21:31653 (BNL-11493)
  Bright high-gradient 750-keV ion gun, 24:3796 (BNL-14138)
  Bright high-gradient 750-keV ion gun, 24:26568
LOCKHART, I. A. High-resolution mapping of four strong radio sources at 80 MHz, 23:25052
  Observations of Centaurus A at 80 MHz, 24:51329
LOCKHART, James M. Metastable atom probe for measurement of electron beam density profiles, 25:21478
LOCKHART, L. B. Analysis for ^{210}Pb content of atmosphere, 23:40575
  Analysis for ^{222}Rn content of atmosphere, 23:40574
LOCKHART, L. B. Jr. Filter pack technique for classifying radioactive aerosols by particle size. V, 21:20178 (NRL-6520)
  Filtration of particles of atomic dimensions, 24:39078 (NRL-7047)
  Filtration of particles of atomic dimensions, 25:2414 (AD-707709)
  Geographical distribution of ^{210}Pb(RaD) in the ground-level air, 22:2237
  Interaction of radon decay products with aerosols, 23:50454 (NRL-6802)
  Standardization of β counting procedures used in radiochemical analysis of air filter samples, 21:30482 (NRL-Memo-1764)
  Techniques for evaluation air-borne radioactivity, 22:2232
  Tentative method of analysis for ^{131}I content of atmosphere (particulate filter: charcoal gamma), 24:41451
  Tentative method of analysis for gross alpha radioactivity content of the atmosphere, 24:33793
LOCKHART, Luther B. Jr. Radioactivity of ^{222}Rn and ^{220}Rn in air at ground level, 22:2234
LOCKHART, R. W. Effect of carbon and carbonate additions in sodium test loop, 21:1862 (GEAP-4436)
  Feasibility study of BWR nuclear steam supply systems with capacities up to 10,000 MWt, 21:40555 (GECR-5155)
  Sodium mass transfer. II. Mass transfer results, 21:459 (GEAP-3726(Vol.1))
  Sodium mass transfer. XII. Test run reports, 7—12/63, 21:28718 (GEAP-4439)
  Sodium mass transfer. XVIII. Extended studies of C movement in pumped Na test loops, 21:460 (GEAP-4834)
  Sodium mass transfer. XXIII, 22:44819 (GEAP-4881)
LOCKINGEN, Lloyd S. Sulfoxide protection of bacteriophage, 21:34689
LOCKINGTON, Derek Charles Discharging granular or pulverulent material from a container, 21:39100
  Improvements in or relating to radioactive-source transfer mechanisms, 22:43019
LOCKMAN, Felix J. Recombination lines from two extended sources in the direction of the galactic center, 24:46964
LOCKNER, D. Method for the simultaneous liquid scintillation counting of ^{55}Fe and ^{59}Fe in blood samples, 21:12333
LOCKNEY, E. V. Development and manufacture of some important components for the prototype fast reactor at Dounreay, 25:54071 (A/CONF.49/P-482)
LOCKNEY, Eric Victor Improvements in and relating to nuclear reactors, 22:25054
LOCKSMITH, John P. Permanent radiation myelopathy, 22:31246
LOCKWOOD, G. E. K. Early results from the topside sounder in the Alouette II satellite, 21:700
  Prediction of F-layer penetration frequencies, 23:44297
LOCKWOOD, G. W. Identification, structure, and variations of new TiO bands in the one-micron spectra of Mira variables, 23:39133
  Light curves of Mira variables at 1.04 microns, 25:52528
  Near-infrared photometry of two extremely red objects, 24:23577
LOCKWOOD, George Wesley Cool stars in one-micron region, 23:34129
LOCKWOOD, Grant J. Charge-transfer cross sections for H^{+}, Li^{+}, and Na^{+} on N$_{2}$, 24:3191
  Emission cross sections for H^{+}, Na^{+}, Ne^{+}, Rb^{+}, incident on molecular nitrogen, 25:2902 (SC-RR-70-695)
  Fluorescent response of NaI(Tl) and CsI(Tl) crystals to heavy ions, 21:28993
  Measurements of close encounters in H-on-H, H-on-H$_{2}$, and H^{-}-on-H collisions, 22:13235
  Positive ion detectors for use with directed pulsed plasmas, 24:51620 (SC-RR-70-583)
  Total cross section for charge transfer of noble-gas ions in N$_{2}$, 24:51436
  Total cross section for single electron loss by Ne and Ar in nitrogen, oxygen, and air, 25:19492 (SC-RR-70-735)
LOCKWOOD, J. A. Altitude dependence of the barometric coefficient of cosmic-ray neutron monitors, 24:45066
  Comments on solar activity, 27-day variation, and long-term modulation of cosmic-ray intensity, 25:27389
  Cosmic-ray intensity variations, 24:5023
  Cosmic-ray neutron flux measurements above the atmosphere, 23:1228
  Cosmic-ray solar flare effect of January 28, 1967, as recorded by neutron monitors, 22:36694
  Differential response and specific yield functions of cosmic-ray neutron monitors, 21:31278
  Eleven-year solar modulation of cosmic rays as deduced from neutron monitor variations and direct measurements at low energies, 22:5162
  Fast neutron—gamma detector for space research, 22:28095
  Latitude and altitude dependence of the cosmic-ray albedo neutron flux, 24:45068
  Long-term and the altitude dependence of the barometric coefficient for neutron monitors, 21:10642
  Measuring of neutron intensity in space, 24:5012 (N-69-33438)
  Rigidity dependence for Forbush decreases in 1968, 25:7197
  Simple high resolution pulse shape discriminator, 23:17778
  Total enclosing active charge particle shield, 23:21946
LOCKWOOD, John A. Cosmic-ray daily variation at different elevations, 24:21623
  Cosmic-ray modulation during Forbush decreases in 1968—1969, 25:16851 (AD-713226)
  Cosmic-ray neutron monitor for OGO-F, 23:48766
  Intensity time variations of cosmic radiation, 23:1224 (AD-671553)
LOCKWOOD, L. A. IOSUP: conversational mode, nuclear data acquisition program package for University of Kansas Nuclear Structure Laboratory IBM 1800 computer, 24:492 (COO-1120-83)
LOCKWOOD, W. A. Overload protection circuit for Van de Graaff accelerator drive motors, 25:45853
LOCKYER, G. E. Nondestructive determination of mechanical properties of refractory materials, 21:26896
LODATO, V. A. Line broadening of uranyl salts at low temperature, 25:33067
LODATO, Vincent A. Destruction of metastable helium atoms in binary collisions, 23:22910
  Temperature dependence for destruction of metastable He(2^{3}S) atoms, 25:58731
LODDE, Gordon M. Changes in ^{137}Cs retention and routes of elimination as effected by external factors, 25:21544 (AD-464714)
LODDER, A. Calculation of total muon capture rates for ^{6}Li and ^{7}Li, 21:35421
LODDING, A. Differential diffusion of impurities in isotopic lithium matrices, 25:26240
  Impurity diffusion in isotopic ^{6}Li and ^{7}Li metal, 25:16500
  Isotope inter-diffusion and self-diffusion in solid Li, 24:26330
  Isotope thermotransport in liquid K, Rb, and Ga, 21:3217
  Isotope transport along a temperature gradient in Li metal, 21:33533
  Temperature dependence of isotope thermotransport in liquid metals, 23:7603
  Thermal diffusion of isotopes in pure liquids, 21:3218
  Thermotransport in monatomic and ionic liquids, 25:8336
LODE, D. Decay of ^{133}Xe, 25:23051
LODE, Tenny D. Subatomic particle detector by means of producing solidified tracks in a liquid, 23:6298
LODEN, L. O. Distribution of interstellar dust, 23:48681
  Photometric standard sequences in Norma, 24:4900
  Photometric standard sequences in VELA, 22:49868
  UBV photometry of Sco-X1, 24:17509
LODEN, Lars Olof New Stockholm spectra survey of the southern Milky Way, 24:19544
  Photometric standard sequences in Crux regions, 22:15283
  Statistical identification of stellar associations of various spectral types, 22:13118
  Study of possible variations in the polarization of starlight, 22:15282
LODENQUAI, J. Atoms in superstrong magnetic fields, 24:42350
  Thomson scattering in a strong magnetic field, 25:36140
LODER, P. Bronwen Independent segregation of chloramphenicol resistance in Staphylococcus aureus, 23:31690

LODER, Rurik K. Mathematical description of N-nucleon system based on two-nucleon potential, 22:35363 (AD-665366)
N—nucleon energy eigensystem, 23:1927 (AD-671630)
LODESERTO, A. Hypothyroidism consequent to treatment of Basedow's disease with radioiodine, 22:10834
Uptake of radioiodine in thyrotoxicosis, 23:43670
LODGE, F. M. K. Electrical conductivity of dysprosium thin films, 25:4771
Spin-wave contributions to the resistivity of dysprosium thin films, 24:5213
LODGE, J. A. Cross-field photomultiplier with subnanosecond risetime suitable for nuclear studies, 22:28231
LODGE, J. D. N-reactor hybrid simulation, 25:3920 (BNWL-B-8)
LODGE, J. G. Charge exchange collisions involving multielectron atoms (Li and Na), 22:49985 (NP-17621)
Charge exchange collisions involving multielectron atoms, 23:6890
Elastic scattering of positrons by hydrogen molecules, 25:19501
Formation of highly excited neutral atoms by charge exchange, 24:51451
Ionization of excited H atoms by collisions with H, Li, or Na, 23:22872
LODGE, James P. Jr. Radioactively labeled aerosols, 23:466
LODHI, M. A. Application of gamma radiation for the determination of bed load in fluvial channels, 22:30775 (PAEC/Chem/Misc-2)
Prog. rpt. on labeling sand with radioisotopes, 3/63, 22:28018 (PAEC/CHEM-1)
LODHI, M. A. K. Cluster model wave function of ^{6}Li, 21:23425
Correlation structure of ^{6}Li, 25:5564
Dynamical correlation in ^{6}Li and inelastic electron scattering, 25:28201
Independent-particle-model energy levels, 25:10085
Inelastic scattering of electrons and E2 transition in ^{6}Li, 25:31229
Isomeric state of Λ-He^{7}, 24:47476 (CONF-690557-(Vol.2), pp 896-911)
Nuclear structure of ^{6}Li and high-energy electron scattering, 25:34001
Nucleon correlation effect in the shell-model description of the deuteron, 23:30927
Nucleon correlation effect on the quadrupole transition in /sub lambda/^{7}He, 24:38091
Perturbation effects and Morse function based on the velocity-dependent potential, 24:43466
Residual interaction in the shell-model wave function of ^{6}Li, 23:7226
Residual potential and nucleon correlation in the shell model. I, 25:43815
Single-particle energy levels based on the velocity-dependent potential, 24:6972
Spin—orbit splitting effect on single-particle energy levels based on velocity-dependent potential, 24:24627
LODI, E. A. Proton irradiation damage in Si solar cells, 21:2078
LODIN, G. Neutron elastic scattering cross sections of Fe and Zn in energy region 2.5 to 8.1 MeV, 23:7243 (AE-337)
Neutron elastic scattering study of Cr, Fe, and Ni in energy region 1.77 to 2.76 MeV, 24:28725 (AE-385)
Neutron scattering from V, 24:38189
Reaction ^{16}O(d,n)^{17}F at 2.5 to 5.5 MeV, 24:22086
LODIN, Z. Preparation of point sources of β-emitters for the irradiation of tissue cultures, 21:4586
LODI-RIZZINI, E. Total and differential cross-sections of negative-pion photoproduction off neutrons up to 1 GeV, 24:35597
Total cross-sections of $\pi^+\pi^-$ and $\pi^-\pi^0$ photoproduction on neutron in deuterium bubble chamber up to 900 MeV, 24:24218
Two π^0 photoproduction in H. I, 23:25726 (LNF-68/70)
LODOV, S. I. New sources of x rays, 25:32129
LODS, A. Future supply of magnets for alignment of synchrotron, 23:52031 (CEA-CONF-1285)
LODWICK, Gwilym S. Computer algorithms for the detection of brain scintigram abnormalities, 25:24230
LOE, R. Calorimeter as a primary standard beam monitor, 23:23582
π^{+-} photoproduction in forward direction, 24:21911
LOEB, Anne M. Radiolysis of methanol and methanolic solutions. VI, 24:22711
LOEB, H. Nuclear-electric rockets, 23:11316
Optimization of the Giessen ion thrustor, 22:5046 (NP-tr-1599)
LOEB, Horst Nuclear engineering for satellites and rockets, 25:26051
LOEB, J. Contribution to a better visibility of scintigraphic images, 24:29602
LOEB, W. Production test irradiation of 30,000 pounds of bacon, 21:208 (BNL-10652)
LOEB, William A. Irradiation of 30,000 pounds of bacon, 23:26981
LOEBACH, D. C. Effect of argon ion irradiation on the internal friction of gold, 22:38594
LOEBACH, E. Tandem mass spectrometer for secondary ion studies, 25:18841
LOEBBAKA, D. S. Decuplet poles in the tadpole model for nonleptonic hyperon decays, 22:34937
Hard x-ray spectrum of a plasma focus, 25:33250
Non-conserved currents and O(4) symmetry, 23:39756
LOEBBAKA, David S. Dynamical model of nonleptonic decays and scalar mesons, 21:23324 (NP-16681)
LOEBBAKA, David Scott Dynamical model of nonleptonic decays and scalar mesons, 22:26624
LOEBBECKE, Ernst-Arnold Induction of somatic mutations in Ephestia by injection of mustard gas, 22:51501
LOEBE, J. Examination of enteral ^{51}Cr-albumin excretion in abdominal irradiations, 21:36731
Nephrography in small children with ^{125}I-Hippuran, 21:34730
Stability of the I-labeled toluidine-containing polyvinylpyrrolidine (PVP-T ^{131}I) according to Gordon and of ^{3}H-polyvinylpyrrolidine (^{3}H-PVP), 21:45704
LOEBENSTEIN, G. Partial suppression of the localizing mechanism to tobacco mosaic virus by UV irradiation, 24:36849
LOEBENSTEIN, H. M. Angular distributions of deuterons from ^{6}Li(^{12}C,d)^{16}O*, 21:7710
Elastic scattering of ^{16}O, ^{17}O and ^{18}O on ^{12}C and the spatial extension of the oxygen isotopes, 22:5777
Relative size and boundary diffuseness of nuclei ^{16}O, ^{17}O, and ^{18}O, 23:19176
LOEBENSTEIN, M. Elastic scattering of O isotopes on ^{12}C, 22:26876
Reaction ^{18}O + ^{12}C → ^{16}O + ^{14}C, 22:26875
LOEBER, C. A gamma density gage with automatic correction, 22:12663
Viewpoints for the development of γ density measurement devices by the penetration radiation method, 22:6671
LOEBINGER, F. K. Spark chambers, 25:6580
LOEBL, K. Intermetallic phases and precipitation of carbides in cobalt-base surfacing alloys, 23:36134
LOEBNER, K. E. G. Decay energy of ^{183}Re → ^{183}W, 23:23722
Deformation in ruthenium nuclei, 24:43386
Half-life measurements in decay /sup 184m/Re → ^{184}W, 23:47018
Half-life measurements of intrinsic states in deformed odd-mass nuclei, 22:53215
Half-life of 1552-keV level in ^{234}U, 23:7318
Half-life of 89.83 keV level in ^{152}Eu, 24:43333
Isomer with spin $^{1}/_{2}$ in ^{199}Au, 21:10044
Level scheme of ^{199}Au, 24:43336
Measurement of nuclear half-lives up to 100 s by the delayed coincidence method, 25:42222
Nuclear intrinsic quadrupole moments and deformation parameters, 25:1742
Spin of the 1029 keV level in ^{200}Hg, 23:42940
Systematics of absolute transition probabilities of K-forbidden gamma-ray transitions, 22:18236
LOECHEL, L. W. Effect of testing variables on transition temperature in steel, 25:6853 (HSSTP-TR-2)
LOECHEL, M. Experience in the diagnostic use of new mercury-labeled compounds, 22:25958
LOECHER, Claire K. Anesthesia. LXIX. Anesthesia with deutero ether, 21:14564
Anesthesia. LXXII. Anesthesia with deuterochloroform, 21:28365
LOECKELL, H. Mastocystosis as the origin of generalized bone sclerosis, 21:20298
LOEDING, J. W. Revised regulation on nuclear fuel processing enterprise: Japan, 22:8188
LOEFFEL, J. J. Pade approximants and the anharmonic oscillator, 24:10817
Some consequences of the Wu—Yang asymptotic behavior of form factors, 22:22282
LOEFFEL, Jean-Jacques Inverse problem in potential scattering theory, 23:3840
LOEFFEL, Robert Zinc-65 use to identify stocks of coho, 24:14383 (RLO-1750-54, pp 158-62)
LOEFFELHOLZ, M. Gamma-radiolysis of Ti tetrachloride solutions, 21:28035
LOEFFELHOLZ, Marco Radiation polymerization of perhydrotriphenylene-included butadiene, 22:27791
LOEFFLER, A. L. Jr. Circular channel magnetohydrodynamic experiments in a transverse magnetic field, 24:3226
LOEFFLER, Albert L. Jr. Prog. rpt. on MHD round pipe flow experiments, final, 1/65—11/67, 22:34337 (AD-665870)
LOEFFLER, E. Neutron depolarization study on dysprosium and terbium, 23:51807
LOEFFLER, F. Meson states in π^+d reactions at 2.7 GeV/c, 22:41733 (COO-1428-70)
Reaction π^+d → d$\pi^+\pi^+\pi^-$ at 2.7 GeV/c, 22:41738 (COO-1428-83)
LOEFFLER, F. J. Coherent Q-meson production in K$^+$d interactions at 9 GeV/c, 24:45423 (COO-1428-226)
Decay properties of D^0 meson, 24:37648 (COO-1428-224)
Enhancement in the $\pi^-\pi^+$ system at M = 1.05 GeV, 23:3644
Evidence for splitting in the Q region of K$^+\pi^+\pi^-$ mass, 25:33550 (COO-1428-270)
Evidence for splitting in the Q region of K$^+\pi^+\pi^-$ mass, 25:43544 (COO-1428-275)
Factorization model and π—π phase shifts in the rho^0 region, 24:8639
K(498)^0, K*(890)^0, and K**(1420)^0 production in K$^+$n interactions at 9.0 GeV/c, 24:45425 (COO-1428-229)
Mixing angle eta-eta' of -24° from Regge-model fit to cross sections, 24:37778 (COO-1428-214)
New evidence for splitting in the Q region of K$^+\pi^+\pi^-$ mass, 25:43543 (COO-1428-274)
Pion—pion interactions from pion production, 23:42656
Piπ S-wave phase shift in the rho region taking into account absorption effects, 21:11774
Prog. rpt. on particle physics, annual, 6/69—5/70, 24:37638 (COO-1428-203)
Search for epsilon^0-meson, 22:11595
Status and performance of Purdue SMP measuring system, 24:44313 (COO-1428-209)
Study of D^0 → π^{+-}delta^{-+} and delta^{-+} → π^{-+}eta in the reaction π^+d → p/sub s/pD^0 at 2.7 GeV/c, 23:27747 (COO-1428-117)
Study of D^0 → π^{+-}delta^{+-} and delta^{+-} → π^{+-}eta in the reaction π^+d → p/sub s/pD^0 at 2.7 GeV/c, 23:34544
Two-charged-particle final states from π^-+ p interactions at 2.7 GeV/c, 21:15269
LOEFFLER, Frank Conference on ππ and Kπ interactions, Argonne National Lab., Ill., 5/69, 24:30500 (CONF-690521)
LOEFFLER, Frank J. Prog. rpt. on high energy physics, annual, 6/68—5/69, 23:39609 (COO-1428-127)
Purdue SMP system, 21:41245
LOEFFLER, Franz Survey principles and adjustment of experiments, 21:5430 (DESY-66/28)
LOEFFLER, G. Connection between inner and outer symmetries in theory of elementary particles, 21:42398 (BMwF-FBK-67-67)
Noncompatible symmetries, 22:52996 (BMwF-FBK-68-15)
Rho production with linearly polarized photons, 24:32953 (DESY-70/19)
Rho production with linearly polarized photons, 25:1376
LOEFFLER, H. Investigation of the behavior of a wet-steam turbine by means of radiometric methods, 21:3329
LOEFFLER, Helmut Arthur Method and apparatus for continuous non-destructive inspection, 23:38218
LOEFFLER, L. Production and properties of molten UO_2, 23:1023
LOEFGREN, H. 4f electronic states in the metals Nd, Sm, Dy, and Er studied by x-ray photoemission, 25:19866
Electron density of states in Yb metal, 24:45362
LOEFGREN, Kaj-Erik Neutron radiation produced by roentgen beam of a betatron, 25:12320
LOEFGREN, P. Wave packets in relativistic S-matrix theory, 22:18039
LOEFROTH, G. Biological effects of irradiated food. I, 21:34774
Biological effects of irradiated food. III, 22:45743
Gas chromatographic identification of irradiated foods, 21:45860
Identification of irradiated strawberries, 24:937
Influence of O LET on radiation-induced mutation wheat, 24:36741
Radiation-induced mutation in hexaploid wheat, 23:38547
Radical—oxygen and radical—radical reaction rates during dissolution of irradiated solid compounds in water, 24:44037
Toxic effects of irradiated foods, 21:9039
LOEFROTH, Goeran Effect of adsorption on trypsin radiosensitivity, 21:20083
Formaldehyde yield in irradiated D-fructose, 24:36319
LOEHBERG, R. Influence of additions of a third element on the critical magnetic field of titanium—niobium alloys, 25:43309
LOEHBERG, Reinhold Superconductivity and metallurgical problems with Ti—Nb alloys, 25:11416
LOEHKEN, R. Beta spectroscopy of ^{32}P, ^{46}Sc, ^{204}Tl, and ^{210}Bi, 23:37169
Beta spectrum of ^{204}Tl, 25:12615
Beta-decay measurements and application to the 1^- → 0^+ transitions of ^{170}Tm, ^{186}Re, and ^{210}Bi, 25:53871
Elastic scattering of 104 MeV alpha particles, 23:28244 (KFK-871)
Elastic scattering of 104-MeV alpha particles, 22:39594
Elastic scattering of 104-MeV alpha particles, 23:23665
Inelastic scattering of 104-MeV α-particles on ^{12}C, ^{20}Ne, and ^{60}Ni, 24:30696
Investigation of β spectrum of ^{14}C with a proportional counter with inner anticoincidence screens, 25:12380 (KFK-1222)
Longitudinal electron polarization in the β decay of ^{90}Y and ^{32}P, 25:53803
Measured differential cross sections for elastic and inelastic scattering of 104-MeV α particles, 25:43832 (NP-18920)
Measurement of inelastic scattering of 104 MeV alpha particles and their description by Austern—Blair theory, 24:22073 (KFK-967)
LOEHKEN, Rudolf Longitudinal depolarization of ^{198}Au β particles within the source, 23:5933
LOEHLE, U. Metastable ions in mass spectra of CD_3CH_3 and C_2H_6, 23:49790
LOEHMAN, Ronald E. Prog. rpt. on structure, properties, and radiation sensitivity of electrically bistable materials, annual, 2/6/70—2/6/71, 25:45536 (AD-720754)
LOEHR, C. Structure of compounds Ag_3R.E. (R.E. = Y, La, Ce, Sm, Gd, Dy, Ho, Er), 22:28819
LOEHR, E. Changes of hematopoietic systems following irradiation, 24:51059
Enzyme activity of glycolytic ferments and the adenine nucleotide and glutathion content in irradiated bone marrow of rats, 21:22362
Investigation of the metabolism of isolated, perfused heart of guinea pig under irradiation, 25:44922
Partial body radiation under conditions of hyperbaric oxygen and administration of Proresid. II, 25:32550
Radiological detection of dust deposited in lungs, 24:6076
LOEHR, W. SNR control rod system, 24:22396
LOEINSKY, Ely Simon Energy transfer in highly ionized plasma, 24:17927
LOEKEN, P. C. Pickering: core physics, 24:43616
LOEKKEVIK, Per Radiation-induced free radicals in frozen nitric acid solutions, 24:9387
LOENS, K. Calculation of the cross section for direct pair production by electrons with total energies of 5.511 and 32 MeV, 22:44803
LOENS, Klaus Influence of the cavity gap length on the phase stability of microtrons, 24:22052
LOENSJOE, H. Absorption of ^{90}Sr and ^{137}Cs from soil by vegetable crops, 23:26785 (FOA-4-4387)
Migration and plant availability of fission products in lysimeter experiment. I, 22:38257 (FOA-4-4357-28)
Uptake of ^{137}Cs by barley and peas from 12 different top soils combined with 2 subsoils in a long term micro plot experiment, 24:21058 (FOA-4-4405)
LOENSJOE, O. Levels of ^{33}Cl studied by proton capture in ^{32}S, 23:13228
LOEPFE, E. Activation of short-lived isotopes. Rapid separation by exchange on Hg, 21:23834
Rapid isotopic separation method for the selective determination of short lived radioisotopes, 25:10490 (LIB/Trans-334)
Rapid isotopic separation methods for selective detection of short-lived radioisotopes, 21:1276

- Rapid radiochemical separation of silver by amalgam exchange, 22:27574
- Rapid radiochemical separations by exchange with Hg, 22:27575

- LOEPPERT, H. G. Determination of ^{32}P-labelled adenine nucleotides by chromatography with isotope dilution, 25:10470
- LOEPPKY, Richard N. Nitrosative cleavage of tertiary amines, 21:15890
- LOERBROKS, B. Therapeutic results and intrathoracic radiation reactions in the therapy of bronchial carcinoma by fast electrons. II, 21:32710
- LOERBROKS, Barabara Results of the treatment of oat-cell bronchial carcinoma by resection, 24:4661
- LOERCHER, K. Incorporation and excretion of ^{54}Mn in chicks, 25:24024
- LOERCHER, Konrad Back-scatter of β particles for measurement of eggshell strength, 25:23900
- LOERSTAD, B. Analysis of the I = 0 (K anti Kπ) resonances produced in anti pp annihilations at 0.7 GeV/c, 24:5241
    - Enhancements $K_1^0K_1^0$ as observed in annihilations of slow antiprotons in H, 23:30710
    - Non-strange I = 1 meson of mass 1540 MeV, 23:34531
    - Reaction anti pp $\rightarrow$ K^0 anti K^0 π^+ π^- at 0.7 GeV/c and the spin—parity of the F$_1$ meson, 24:5246
    - Structure in the KantiK decay mode of the A$_2$ meson, 23:23354
- LOESCH, H. J. Atom-atom scattering experiment: velocity dependence of total cross sections, 21:616
- LOESCH, H. W. Jr. Dislocations in deformed Mo crystals, 22:4806
- LOESCH, P. J. Jr. Breeding value of the radiation-induced macro-mutant. II, 21:1730
- LOESCHE, Bernd Chemical studies on the cause of biological radiation injuries, 22:19286
- LOESCHER, D. H. Oxidation of erbium metal, 25:52297 (CONF-711001-(Vol.1), pp 397-407)
- LOESEL, M. Fast neutron time-of-flight spectrometer used with the Karlsruhe isochronous cyclotron, 22:45330
- LOESEL, M. E. Beam property measurements at Karlsruhe isochronous cyclotron, 22:39504 (KFK-754)
    - Control of betatron oscillations in a cyclotron by the use of an on-line computer, 21:38130
    - Intensity fluctuations of cyclotron microstructure beam pulses, 23:27917
- LOESER, F. On line isotope separator experiment at the Princeton Pennsylvania Accelerator, 25:44504 (BMBW-FBK-70-28, pp 49-56)
- LOESER, F. W. Jr. Isotope separator on-line at Princeton—Pennsylvania Accelerator, 24:45709
    - Level structure of ^{116} ^{118} ^{120} ^{122}Te, 23:37195 (PPAR-13)
    - Level structure of ^{116} ^{118} ^{120} ^{122}Te, 24:13380
    - Levels in ^{119} ^{121} ^{123}Te, 24:38295
- LOESER, Rudolf Radiative transfer in two-component stellar atmospheres, 25:58468
- LOESSNER, V. Development of whole-body counting techniques and design of whole-body counters, 23:21941 (SZS-15/68)
    - Rapid identification of β-emitting nuclides by means of β scintillation spectrometry, 23:14024 (SZS-13/68)
    - Whole-body activity (^{24}Na) as means for neutron damage dosimetry, 21:39270 (SZS-7/67)
    - Whole-body counter design and calibrations, 21:26201
- LOETZSCH, W. Gamma-ray spectrometric bore-hole logging device and first results of its application, 22:6639
- LOEUILLET, M. Determination of low quantities of O and C by activation with photons and α particles, 22:27596
- LOEUILLET, Monique Determination of light elements by gamma photon and charged particle activation, 24:43
    - Nondestructive determination of oxygen in sodium, 23:21671
- LOEVBORG, L. Accurate determination of the stability of β-proportional gas counters against variations in the energy threshold, 22:14768
    - Equipment for determination of fuel density in fuel pins, 24:25319 (RISO-209)
    - Field gamma-spectrometry in exploration of U and Th deposits, 23:35346
    - Portable Be prospecting instrument, 23:35538
    - Recommendations for safeguards inspection of unirradiated MTR fuel elements, 22:42393 (RISO-M-732)
- LOEVBORG, Leif Field determination of uranium and thorium by gamma-ray spectrometry, exemplified by measurements in the Ilimaussaq alkaline intrusion, south Greenland, 25:41943
    - Prospecting instruments used in survey of U—Th and Be in Ilimaussaq intrusion, South Greenland, in report of activities, 1967, 23:13888
- LOEVHOEIDEN, G. Deuteron scattering from ^{124}Te and ^{146}Nd, 25:5729
    - Gamma ray transitions in ^{144}Pr, 21:15591
    - High angular momentum states in ^{155}Gd and ^{157}Gd, 25:15138
    - Low-lying high-spin states in ^{155}Gd, 25:3700
    - Mixing of positive parity states in ^{155}Gd, 23:40083
    - Positive parity states in ^{167}Er, 25:17797
    - Positive-parity bands in erbium isotopes, 24:38225
    - Wave functions for the two-quadrupole phonon states in ^{124}Te, 25:25781
- LOEVINGER, R. Distributed radionuclide sources, 25:24161
    - IAEA program in medical radiation dosimetry, 23:50497
- LOEVINGER, Robert Calculation of absorbed dose from radionuclides, 22:31074
    - Interaction of fast electrons with matter, 22:52489
    - Schema for absorbed-dose calculations for biologically-distributed radionuclides, 22:36262
    - Some remarks on the MIRD schema for absorbed-dose calculations biologically-distributed radionuclides, 24:50894 (CONF-691212-, pp 481-9)
- LOEVSETH, J. PCAC hypothesis in nuclei and its predictions for high-energy neutrino cross sections, 22:11631
    - Quasi-elastic scattering of leptons from nuclei and the determination of the axial-vector form factor, 22:48286
- LOEVSETH, Joergen Kinematical distributions of neutrino-produced lepton triplets, 25:38722
- LOEVSETH, K. Bomb ^{14}C in the human population, 25:49149
- LOEVSETH, Knut Prospective decrease in atmospheric radiocarbon, 24:25139
- LOEW, G. Joint report of rf and pulsed line groups, 22:46589 (UCRL-18103, pp 111-15)
- LOEW, G. A. Accelerating structures, 25:50223
    - Beam break-up at SLAC, 21:46617 (SLAC-PUB-350)
    - Beam break-up experiments, 21:2549 (SLAC-PUB-224)
    - Beam breakup, 25:50226
    - Design and applications of rf deflecting structures at SLAC, 21:29777
    - Design and performance of the SLAC rf drive system, 21:38020
    - Electron linac instabilities, 21:38059
    - Feasibility of a two-mile superconducting linac, 23:28186
    - Recent beam performance and developments at SLAC, 23:28008
    - Recent beam performance and development at SLAC, 23:34685 (SLAC-PUB-563)
    - Recent developments at SLAC, 22:37234 (SLAC-PUB-420)
    - SLAC accelerator: first year of operation, 21:46618 (SLAC-PUB-351)
    - Stanford Linear Accelerator Center, 21:2550 (SLAC-PUB-235)
    - Status of design, construction, and research programs at SLAC, 21:29731
    - Superconducting accelerator research and development at SLAC, 25:3507
    - Two-mile superconducting accelerator study, 23:42797 (SLAC-PUB-626)
- LOEW, Gregory A. Ceramic loaded buncher for linear accelerators, 21:40339
    - Radio-frequency particle separator, 21:4173
- LOEW, H. Rapid uptake of radiostrontium in sperm, 23:31613
- LOEWDIN, Per-Olov Analysis of atomic correlation energies, 24:37266
    - Conference on atomic, molecular, and solid-state theory and quantum biology, Sanibel Island, Fla., 1/69. I, 25:33509
    - Conference on atomic, molecular, and solid-state theory and quantum biology, Sanibel Island, Florida, 1/69. II, 25:33510
    - Group algebra, convolution algebra, and applications to quantum mechanics, 21:21262
    - Quantum theory of atoms, molecules, and the solid state, 21:13401
    - Superposition of configurations and natural spin orbitals, 21:13345 (AD-639934)
    - Symmetry properties in perturbation theory, 23:18759
    - Symposium on atomic, molecular, and solid-state theory and quantum biology, Sanibel Island, Fla., 1/68, 23:18754
    - Upper and lower bounds in second-order perturbation theory, 23:18756
- LOEWE, A. Corrosion rate of graphites by CO$_2$ and H$_2$O-vapor, 24:39679 (DP-Report-391)
    - Gasification of reactor graphite with carbon dioxide and water vapor, 22:4920
    - Kinetic measurements of reaction of C with CO$_2$, 25:70 (DP-Report-205)
    - Rate constants of reaction of C with CO$_2$, 25:71 (DP-Report-319)
- LOEWE, W. E. Nuclear nondestructive coating evaluation, 22:23242
- LOEWE, William E. Investigation of performance of an out-of-core thermionic space power system, 22:42346 (UCRL-70984)
    - Out-of-core thermionic space power, 22:30283 (UCRL-70816)
- LOEWENBERG, L. Temperature dependence of isotope thermotransport in liquid metals, 23:7603
- LOEWENHAUPT, M. Hyperfine interaction in europium—tin intermetallic compounds, 24:3475
- LOEWENHAUPT, Michael Nuclear charge radii of Al and Si, 24:13329
- LOEWENSTEIN, A. Solvent isotope effects on chemical shifts of ions in aqueous solutions, 22:16510
- LOEWENSTEIN, Henning Effect of hydrogen—deuterium substitution on the association of N-methylacetamide, 25:2174
- LOEWENSTEIN, P. Fabrication and properties of seamless tungsten tubing, 21:9110
    - Newer techniques in the fabrication of refractory and reactive metal tubing, 24:44679
- LOEWENSTEIN, W. B. Effects of evolutionary changes in core composition and configuration on the performance of EBR-II, 25:41562
    - Effects of high capture-to-fission ratio of ^{239}Pu on performance of fast breeder reactors, 22:32791
    - Effects of over-cooled stainless steel reflector on EBR-II power coefficient, 23:40330 (ANL-7544)
    - Fast breeder reactor, 1000-Mw(e) metal-fueled, 21:5596 (ANL-7001)
    - Fast reactor physics program of United States Atomic Energy Commission, 22:35541
    - Neutron energy spectra for fast reactor irradiation effects, 24:7082
    - Neutron-energy spectra for fast reactor irradiation effects, 24:47830
    - Physics measurement programs in US fast power reactors, 21:27767
    - PROSPECTUS: routine operation of EBR-II at 62.5 MWt, 25:54197 (ANL-EBR-19)
    - Recent operating experience with EBR-II, 24:22421
    - Recent theoretical work in the United States on fast reactor physics, 22:18601
    - Utilization of fast critical assemblies for fast reactor design, 21:35692 (ANL-7320, pp 543-8)
- LOEWENSTEIN, Walter B. Large fast nuclear reactor, 21:4391
- LOEWER-SIEGER, D. H. Treatment of diabetic retinopathy by x-radiation of the pituitary, 21:28567
- LOEWI, G. Effect of irradiation on the passive transfer of delayed hypersensitivity, 22:45467
- LOFARO, A. Radiofibrinogen in evaluation of cold areas of hepatic scans, 23:50703
- LOFBERG, R. Simplified ultramicro-determination of copper in biological specimens by neutron activation analysis, 25:46459
- LOFBERG, R. T. Neutron activation method for Cu and Mn, 23:37930
    - Structure-function studies of the aminothiol radioprotectants, 25:4548
- LOFBERG, Robert T. Sample preparation for determination of tritium, ^{14}C, or ^{35}S in blood or tissue, 21:1271
- LOFERSKI, J. J. Effects of sub-threshold high-energy electrons on properties of Si photovoltaic cells, 24:29614 (N-70-20409)
    - Effects of sub-threshold high-energy electrons on properties of Si photovoltaic cells, 25:2814 (N-70-27167)
    - Prog. rpt. on photovoltaic effect and utilization of cells, semiannual, 7—12/66, 21:39658 (N-67-17985)
    - Prog. rpt. on radiation effects on Ge P-V cells, semiannual, 11/1/65—5/31/66, 21:11693 (N-66-33388)
- LOFERSKI, Joseph J. Effects of electron and proton irradiation on thin film solar cells, 21:16848
- LOFFLER, E. Neutron depolarization measurement on Dy near magnetic transition points, 22:17796
- LOFFLER, H. Steam turbine clearance measurement by gamma radiation, 22:2287
- LOFFTUS, F. H. Advanced BeO fuel studies, 21:1958 (GA-7120)
    - Advanced BeO fuel studies, 23:8352
    - Irradiation effects on hot pressed BeO matrix fuel between 800 and 1600°C, 23:3158 (GA-8559)
- LOFFTUS, Fred H. High density ceramic beryllia-nuclear fuel compact, 22:15247
- LOFGREN, E. J. Extendible-energy synchrotrons, 21:44488
- LOFGREN, Edward J. Berkeley ERA program, 25:31059 (UCRL-20611)
    - Berkeley ERA program, 25:50392
    - Bevatron program, 25:53430 (UCRL-20655, pp 59-71)
- LOFING, D. R. High-temperature adsorption studies for PSC reactor development program, 22:16147 (GA-8083)
    - Low-temperature adsorption studies for PSC reactor, 22:9998 (GA-7932)
- LOFROTH, E. Fuel element for a nuclear reactor, 25:10219
- LOFROTH, Enar Nuclear reactor fuel element with nonaligned channeling, 25:54105
- LOFROTH, Goran Yields in the radiation degradation of solid carbohydrates, 22:14526
- LOFSTROM, J. E. Brain imaging with the Spintharicon, 23:33462
    - Resolution of a spark imaging camera (Spintharicon) with parallel channel collimators, 21:1606
- LOFSTROM, James E. Anatomic and functional thyroid detail as obtained with Spintharicon imaging, 22:31121
    - Effects of prenatal x-irradiation on postnatal growth and mortality, 24:850
    - Recent improvements in the spark-imaging camera, 22:2345 (ORNL-IIC-10(Vol.1), pp 268-81)
- LOFSTROM, James Ernst Radiation imaging device, 22:30841
- LOFTAGER, P. Influence of Q values in atomic single collisions on observed scattering cross sections and some Q values, 23:5217
- LOFTAS, A. A. Advances in materials science, 22:21715
- LOFTHOUSE, J. H. Cavity reactor critical experiment, 21:8063
    - Cavity reactor critical experiment, 21:14073 (GEMP-473)
    - Flow mixing, reactivity effects in the gas core reactor, 25:41585
    - Nuclear test gauge safety analysis, 23:21515 (GEMP-663)
    - Safety analysis report on NASA cavity reactor critical experiment, 23:21514 (GEMP-402(Add.2))
    - Spherical gas core reactor critical experiment, 25:23363 (IN-1443)
    - Spherical gas core reactor physics measurements, 25:6133
- LOFTHOUSE, K. The effect of irradiation on the high temperature fracture of stainless steel, 21:24811
- LOFTIN, H. G. Bioenvironmental and radiological- safety feasibility studies, Atlantic—Pacific interoceanic canal, freshwater ecology, 24:14442 (BMI-171-22)
- LOFTNESS, Robert L. Nuclear power abroad: a time of change, 25:60024
- LOFTON, D. B. Fallout computational techniques, 25:4506 (AD-703266)
- LOFTUS, B. Anomalous features of the electron density in the topside ionosphere, 23:42090
- LOFTUS, J. M. Shorting modification for Co-Ax connectors, 24:33968
- LOFTUS, T. P. Standardization of ^{137}Cs gamma-ray sources, 24:16798
- LOGACHEV, K. I. Variations of cosmic rays in various regions of interplanetary space, 22:21967
- LOGACHEV, V. I. Heavy nuclei in the primary cosmic radiation, 24:3211
    - Measurements of energy spectra of multicharged nuclei, 25:30307
    - Nature of the radiation background at altitudes of 250 to 500 km, 25:56008
    - Studies of nuclear component of cosmic rays during the period of minimum solar activity, 25:1029
- LOGACHEV, Yu. I. Boundary of the outer radiation belt and zone of unstable radiation, 22:34443

- Correlation of magnetic activity indexes with intensity of outer-belt electrons, 25:55979
- Cosmic-ray variations according to data from Zond-3 and Venera-2, 21:20798
- Eleven-year variation of cosmic-ray intensity beyond the Earth's magnetosphere, 22:11280
- Measurement of penetrating radiation intensity at the moon's surface, 21:13409
- Measurement of solar protons in 1 to 5 MeV range by Zond-3, Venera-2, and Venera-3, 22:11276
- Measurement of solar protons with energies of 1 to 5 MeV by the Venera-2, Venera-3, and Zond-3 space probes, 21:20650
- Particle fluxes in the outer geomagnetic field, 23:30444
- Radial diffusion of electrons of energy greater than 100 keV in outer radiation belt, 23:10543
- Radiation belts of the earth, 22:15412 (AD-655364)
- Variations of cosmic rays according to data of interplanetary probes Zond-3 and Venus-2, 21:35046 (N-67-18958)
- LOGACHEVA, V. I. Some data on the nature of the radiation background at altitudes 250 to 500 km, 24:42557
- LOGAN, B. A. Detection of the plane of polarization of linearly polarized photons with a rectangular geometry Si(Li) detector, 25:48917
  - Polarimeter based on the photoelectric effect, 24:33966
  - Polarization sensitivity of rectangular Li drifted silicon detector, 25:8508
  - Source of circularly polarised photons, 24:30731
  - Test of the validity of time reversal, 25:36540
- LOGAN, Brian A. Determination of electron binding energies, 24:45006
- LOGAN, D. Application of noise-analysis techniques to hydraulic measurements in liquid-metal systems, 22:12680 (ANL-7380, pp 183-8)
  - Boiling liquid metals and two-phase flow investigations, 22:14138 (NAA-SR-Memo-12485)
  - Boiling-studies for sodium-reactor safety, 23:23934 (AI-AEC-12744, pp 53-60)
  - Effects of velocity, oxide level, and flow transients on boiling initiation in sodium, 25:321 (AI-AEC-12939)
  - Exploding fuel pin experiment, 25:41480
  - Fast reactor development, 23:13406 (AI-AEC-12721, pp 131-47)
  - Forced-flow sodium boiling in multiple channels, 25:54863 (AI-AEC-13010)
  - Studies of boiling initiation for sodium flowing in a heated channel, 24:2367 (AI-AEC-12767)
- LOGAN, D. M. Codling moth control by release of radiation-sterlized moths, 24:14635
  - Control of codling moth by release of males and females sterilized by gamma radiation, 22:10899
  - Effects of uv light on polyuridylic acid assayed in vitro, 21:26336
- LOGAN, David MacKenzie Radiation effects on polynucleotides, 21:26384
- LOGAN, G. Endogenous permeability factors in uv injury, 21:16472
  - Inflammatory reaction in ultraviolet injury, 21:16471
  - Vascular permeability changes in inflammation. II, 21:22712
- LOGAN, Hugh L. Stress corrosion of metals, 22:28749
  - Studies of hot salt cracking of the Ti 8 percent Al—1 percent Mo—1 percent V alloy, 23:36011
- LOGAN, J. Night-sweats in patients with lymphomatous tumors: response to radiotherapy, 21:12948
- LOGAN, J. W. Thyroid depression following splenic irradiation in lymphoma patients, 23:45945
  - Thyroid uptake tests in patients with malignant lymphomas, 21:16507
- LOGAN, K. W. Inelastic neutron scattering from solid benzene, 25:20247
- LOGAN, R. Plutonium-237 for metabolic studies: its preparation and use, 22:28385
  - Whole body counting of Pu in rats, 22:51630
- LOGAN, R. K. Analysis of the reaction $\gamma + p \rightarrow$ eta + p near threshold, 21:15286
  - Charge-exchange scattering data and Schmid hypothesis, 23:18912
  - Duality and nonet degeneracy, 24:24381
  - Duality-breaking and meson spectrum, 25:36486
  - Exchange degeneracy and the Pomeranchukon, 23:46797
  - Exchange degeneracy, the finite-energy sum rule, and total cross sections, 23:46726
  - Low-energy antiKN scattering and finite-energy sum rules, 23:23491
  - Particle—nucleus interactions and Regge model, 22:1450 (AD-648017)
  - Particle-nucleus interactions and the Regge model, 21:42395
  - Pion—p charge exchange polarization and the possibility of a second rho-meson, 21:23335 (AD-644646)
  - π—p charge exchange polarization and possibility of second rho meson, 21:15357
  - Regge parameters of P and P' from sum rules, 22:34996
  - Regge quark-model description of πp charge-exchange, $\pi p \rightarrow$ etan, and Kp charge-exchange reactions, 23:1644
  - Regge-pole model of $\pi^- + p \rightarrow$ eta + n polarization, 22:9602
  - Regge-quark model of hadron scattering, 21:35295 (AD-651038)
  - Regge-quark model of hadron scattering, 21:37783
  - Resonance poles in a simple model of S wave pseudoscalar meson—baryon scattering, 22:1434 (AD-646614)
  - Resonance poles in simple model of S-wave pseudoscalar-meson—baryon scattering, 21:37895
  - Rho + rho' model of pion—nucleon charge-exchange scattering and polarization, 22:37157
  - Sum rules and P + P' Regge model of πp scattering, 22:34989
  - Theory of high-energy polarizations, 23:18924
- LOGAN, Robert K. Regge-pole analysis of π p charge-exchange polarization, 21:926
- LOGAN, S. R. Application of the theory of diffusion-controlled reactions to kinetic salt effects of the hydrated electron, 22:2086
  - Kinetic isotope effects in the catalytic synthesis of ammonia, 22:40075
- LOGAN, Samuel E. Simple analytical model for the dust devil, 23:52514 (UCRL-50667)
- LOGAN, W. R. Phase formation between actinide nitrates and 20 percent tri-n-butyl phosphate, 22:6408
- LOGAR, Alvina Effect of whole-body gamma-irradiation on the N excretion in rat large intestine, 22:33922
- LOGATCHEV, Y. I. Cosmic-ray studies in interplanetary space and on the moon, 21:46186
- LOGEROT, J. M. Applications and developments of certain special metals, 22:36445
  - Current industrial position of some special metals. III, 23:51013
  - Production and characteristics of semi-finished beryllium products, 21:18236
  - Some aspects of beryllium powder metallurgy, 24:27776
- LOGEROT, J.-M. Some aspects of beryllium powder metallurgy, 23:48395
- LOGEROT, Jean-Marie Preparation of beryllium products, 23:22508
- LOGGIE, R. G. C. Dounreay fast reactor Charge B/3, 22:30309 (TRG-Report-857)
- LOGGINS, C. D. Jr. Piezoresistive effect in electron irradiated silicon and its application to improvement of semiconductor strain gages, 25:5151 (N-70-35737)
- LOGGINS, Chester DeWitt Jr. Electron damage on resistivity and piezoresistivity of Si, 25:33431
- LOGI, P. Applications of radioisotopes as tracers in the metallurgical industry, 22:8324
  - Improved method of quantitative autoradiography for industrial purposes, 21:10499 (EUR-3173.e)
  - Introduction to quantitative autoradiography, 22:4729 (EUR-3495)
  - Study of source of exogenous inclusions in steel by radioactive tracers. II, 23:16476
- LOGIE, N. J. Uptake of ^{65}Zn in human prostate, 24:14407
- LOGINOV, A. A. Analysis of data on multipurpose reactor installations, 23:21541
  - Dual-purpose desalination plants, 22:14622
  - Integration of large nuclear power plants with desalination plant, 24:18468 (AEC-tr-6991)
  - Large nuclear power plants for simultaneous generation and desalting, 23:11120 (KFK-tr-275)
  - Low capacity nuclear desalination plants, 22:14630
  - Methodological aspects of calculating the efficiencies of atomic distillation plants, 24:47919
  - Methodological aspects of calculating the efficiencies of atomic distillation plants, 25:23377
  - Methodology of calculating water and power costs for nuclear desalination plants, 21:17514 (NP-16558)
  - Studies of total emission of dense low-temperature argon plasma, 23:10614
  - Technico-economic parameters of nuclear desalination plants, 24:33474
  - The combination of large atomic electric power plants with desalination distillation units, 23:15699
  - Utilization of the Beloyarsk Atomic Power Station reactors for dual purpose desalination installations, 21:17465 (NP-16557)
- LOGINOV, A. S. Closed magnetic trap with a helical field "Sirius", 22:9277 (MATT-Trans-45)
  - Closed magnetic trap with spiral field "Sirius", 22:7261
  - Scanning of the liver in the diagnosis of chronic hepatitis and cirrhosis, 25:42553
  - Sirius closed magnetic trap with helical field, 22:26356 (NP-tr-1620)
- LOGINOV, A. V. Radiation resistance of adrenalectomized animals, 23:2887
- LOGINOV, G. A. Microstructure of disturbance solar-diurnal variation, 22:15479
  - Temporal distribution of type Pc1 pulsations according to data from Lovozero, 21:24995
- LOGINOV, G. M. Magnetic and electrical properties of dilute solutions of praseodymium in lanthanum, 24:3466
- LOGINOV, I. M. Experience in magnetic variation sounding from the initial phases of geomagnetic storms, 24:12752
- LOGINOV, N. I. Distribution of shearing stress and turbulent exchange coefficient in the flow of liquid metals in magnetic fields, 23:8517
  - Influence of magnetic fields on the turbulent characteristics of liquid metal flow, 23:8516
  - Measurement of the velocity and temperature of a liquid metal coolant, 23:4457 (ANL-Trans-690)
  - Velocity and temperature of liquid metal coolant, 23:4766
- LOGINOV, O. P. Application of magnetron type ion source in on-line electromagnetic separator, 22:47399 (JINR-P13-3953)
- LOGINOV, V. S. Electromagnet of a transportable betatron, 25:43741
  - Heavy plastic concrete, 23:5447
  - Heavy resin concrete: material for radiation shielding, 23:32549 (K-Trans-52)
- LOGINOV, Yu. E. Delayed gamma transitions in ^{186}Re and ^{188}Re induced in neutron capture reactions, 21:2751
  - K-forbidden isomeric E1 transition in ^{170}Tm, 21:40446
  - Low-lying ^{46}Sc excitation levels appearing in ^{45}Sc(nγ)^{46}Sc reactions, 21:27546
  - Soft gamma radiation of odd-odd nuclei, 21:2667
- LOGINOVA, T. G. Changes in osmotic resistance of leukocytes after irradiation, 23:16410
  - Dynamics of the change in the osmotic stability of the leukocytes under normal conditions and in experimental radiation sickness, 24:27663
- LOGINOW, A. S. Experience with the diagnostic application of radioactive isotopes in liver diseases, 24:36791
- LOGINOW, A. W. Influence of alloying elements on the stress corrosion behavior of austenitic stainless steel, 23:12276
- LOGOTHETIS, John Neuropathy following irradiation, 21:43518
- LOGSDAIL, D. H. Record of programme and discussions at symposium of papers from Dragon contractors held at A.E.R.E., Harwell, 14—16 March 1966, 25:3774 (DP-Report-439)
- LOGSDON, Donald F. Jr. Coated charcoal radioimmunoassay for plasma insulin, 23:33583 (AD-684175)
  - Measurement of insulin ^{125}I by a liquid scintillation system, 23:7967
  - Prog. rpt. on modified ^{59}Fe ferrokinetic procedure, final, 11—12/68, 23:45622 (AD-690129)
  - Reduction of radiation hazard in tritium method of measuring total body water, 25:18977 (AD-702155)
  - Simultaneous determination of ^{59}Fe, ^{51}Cr, and ^{125}I, 24:14503
- LOGSDON, James Houston Prog. rpt. on technique for measuring amibpolar diffusion length in elemental semiconductors, 1970, 25:26108 (ORO-3651-8)
- LOGSDON, Joe E. Radioactive waste discharges to the environment from nuclear power facilities, 24:28933 (BRH/DER-70-2)
  - Radioactive waste discharges to the environment from a nuclear fuel reprocessing plant, 25:52060
- LOGUE, L. ft Values of some $0^+ \rightarrow 0^+$ beta decays and the value of the vector coupling constant, 21:44797
- LOGUE, L. J. Effect of excited 0^+ states on ft values of superallowed beta decays, 23:49466
  - Static Coulomb corrections to point-nucleus Fermi function in nuclear beta decay, 23:7345
- LOGUE, Laurence Joseph Comparison of the usual Fermi function for a point nucleus with a field theoretic perturbative calculation to $Z^2\alpha^2$, 24:3961
- LOGUNOV, A. A. Analyticity in the t-plane and the exponential growth of the scattering amplitude, 21:31641
  - Cross sections of elastic and inelastic processes at high energies in a quantum field theory, 24:5339
  - Dispersion relations and elementary length in quantum field theory, 21:971 (JINR-P-2873)
  - Dispersion sum rules and high energy scattering, 21:11818 (JINR-E2-3077)
  - Dispersion sum rules and high energy scattering, 21:17132
  - Effective radius of strong interactions, 24:30447
  - Equal-time equation for two-particle system in quantum field theory, 25:20077
  - Equality of total cross sections for interaction of particles and antiparticles at high energy, 24:45451
  - High-energy behavior of inelastic cross sections, 22:7565
  - Intermediate states in the t-channel of the reaction and radius of strong interactions, 23:21090 (IFVE-STF-68-54-K)
  - Intermediate states in the t-channel, 23:42646
  - Most powerful accelerator in the World, 22:53056
  - Results on complex adjustment and start-up of the IHEP proton synchrotron, 25:20127 (CERN-Trans-70-12)
  - Scattering as a stochastic process at high energies. I, 24:13182 (IFVE-STF-69-20)
  - Scattering as stochastic process at high energies. II, 24:13183 (IFVE-STF-69-21)
  - Scattering at high energies as a stochastic process, 25:45721 (ITF-70-99, pp 97-101)
  - Serpukhov proton accelerator and physical investigations using particle beams with energy up to 70 GeV, 25:53403 (A/CONF.49/P-449)
  - Short-range nuclear forces and high-energy cross section behavior, 24:49439
  - Small-angle scattering and a lower bound for the scattering amplitude at large angles, 21:29644
  - Small-angle scattering and lower bound for scattering amplitude at large angles, 21:15413 (JINR-P2-3139)
  - Some consequences of analyticity and unitarity, 22:15850 (JINR-E2-3655)
  - Tuning and start-up of IHEP 70 GeV proton synchrotron, 24:28665
  - Unitarity condition and decrease of differential cross section of multiparticle production with energy increase, 25:17412
  - Unitary conditions and decrease of differential cross-section of multiple production processes with energy increase, 25:25340 (IFVE-STF-70-43)
- LOGUNOV, Antoly Alexeevich Soviet assessment of Serpukhov, 25:45843
- LOGUNOV, V. M. Energy and angular distribution of high-energy muons, 22:13267
  - Intensity and angular distribution of muons under ground, 23:6901
  - Penetrating component of cosmic rays at 130 mwe, 22:13266
- LOGUNOV, V. N. Yield of secondary neutrons in interaction of electrons with matter, 25:7131
- LOGVINENKO, V. A. Correlation between solubility and the extent of complexon substitution when poorly soluble compounds are dissolved in complexon solutions, 21:23875
- LOGVINOV, I. I. Effects of a cement ring on the resistance of casings against collapse, 22:12209 (UCRL-Trans-10163)
- LOGVINOV, V. V. Hydrodynamics of a magnetoactive plasma in the quasilinear approximation, 25:30532
  - Quasi-linear approximation for magneto-active plasma with allowance for collisions, 23:5423
  - Relaxation in Coulomb quasi-equilibrium plasma, 21:44077
  - Stationary solutions of the quasilinear approximation equations in a plasma with collisions, 22:3056
- LOGVINOVA, O. F. Raising the radiosensitivity of the nervous system with ferment poisons, 21:32762
- LOGVINOVA, V. V. Effect of adrenalectomy on radiosensitivity of chromosomes of Wistar rats, 22:4596
- LOH, B. T. M. General program for constructing maps of Kikuchi and Kossel lines, 25:54373 (ORNL-TM-3557)
  - Nature of creep cavities in tungsten, 21:45953

Numerical calculation of elastic properties for straight dislocations in anisotropic crystals, 25:44282 (ORNL-TM-3408)
Orientation determination from dodecahedral etch pits, 23:41658
Stability of the gas bubbles in solids, 24:32515
LOH, Benjamin Tsen-Man Amplitude dependent internal friction studies of zirconium—rare earth alloy systems, 21:26831
LOH, C. K. Electrical conduction of zirconium oxide films, 25:25246
LOH, Chun Kyu Potassium exchange kinetics in amphibian atrial myocardium, 23:24173
LOH, Chyuan-kong Electromagnetic instabilities of plasma, 23:18672 (AD-673188)
LOH, E. Calorimeter as a primary standard beam monitor, 23:23582
Comparison of elastic positron—proton and electron—proton scattering cross sections, 22:3240
Electronic structure of rare-earth sesquisulfide crystals, 22:5436
Hyperfine structure of 74.6-keV level of ^{161}Dy, 22:7700 (NYO-2028-2, pp 69-73)
Moessbauer studies of DySb, 22:7349 (NYO-2028-?, pp 74-83)
LOH, E. C. Photoproduction of π^0 mesons from H at 180°, 22:48210
Positron—proton elastic scattering at 800 and 1200 MeV, 22:20115
π^{+-} photoproduction in forward direction, 24:21911
LOH, E. D. Radiative transfer in an ionized medium at high temperature, 25:32967
LOH, E. L. Instrumentation for Moessbauer effect experiments using radioactive sources, 22:6675 (NYO-2028-2, pp 159-69)
LOH, Eddie Lei Moessbauer-effect studies of Dy metal and DyCo$_2$, 25:12035
LOH, Eugene Optical phonons in BeO crystals, 22:13543
LOH, Hooi-tong Consistency conditions for wave functions satisfying Dirac or Kemmer equations, 21:44442
LOH, P. C. Uv inactivated virion preparations and cell death, 25:4729
LOH, S. Y. Heat treatment studies of infrared absorption in reactor-irradiated Ge, 25:58343
LOH, T. M. Morphologies of bubbles and voids in tungsten, 21:45954
LOH, W. H. T. Jet, rocket, nuclear, ion, and electric propulsion, 23:43180
Modern developments in gas dynamics, 24:2388
LOHBECK, H. U. Radiation injuries following electron therapy for mammary carcinomas, 25:13584
Results and complications in megavolt therapy of cervix carcinomas, 25:13531
LOHE, M. A. Boson calculus for the orthogonal and symplectic groups, 25:59534
LOHEZ, P. Automatic mass spectrometer for the isotopic analysis of hydrogen in natural water samples, 25:10463
LOHLEIN, Stanley J. Handling therapeutic doses of radioactive nuclides in a hospital, 22:51644
LOHMAN, P. H. M. Induction and rejoining of breaks in DNA of irradiated human cells, 23:50343
Repair of x-ray damage in DNA from patients having xeroderma pigmentosum, 25:2535
LOHMAN, R. Observations of Jupiter, Saturn, and Mercury at 1.53 centimeters, 21:6933
LOHMAN, T. G. Animal's natural radioactivity is a measure of meatiness, 21:30817
Comparison of ^{40}K method with other methods of determining carcass lean muscle mass in steers, 23:22209
Factors affecting ^{40}K measurement in whole body and body components, 23:22214
Symposium on atomic energy in animal science. I, 21:22138
Symposium on atomic energy in animal science. II, 21:30788
Whole-body counters: applications and potential in animal science, 21:22137
LOHMANN, H. G. Vapor-plating aluminum on beryllium for welding, 21:20486
LOHMANN, Theo Intraoral and intracranial maximum doses with panorama radiography of the teeth and jaws, 21:22453
LOHMANN, W. Modification of the radiation effect on catalase by selenium, 21:14600
Radioprotective effect of dimethylsulfoxide, 21:30850
Studies on the molecular mechanism of the radioprotective effect of serotonin, 21:14687
LOHMANN, Werner Galactic acceleration K(z) and local system, 25:40310
LOHMANN, Wolfgang Charge transfer complexes and the mechanism of action of cysteamine and penicillamine, 25:4547
Effect of D$_2$O on radiosensitivity of catalase, 24:23111
LOHMAR, J. Precipitation reactions for the enrichment of trace elements. IV, 24:4224
LOHNDORF, Werner ECG of the rat after high-dosage ^{60}Co irradiation, 22:45664
LOHNER, H. Pneumatic system for activation analysis with short-lived radionuclides, 25:26189 (KFK-1293)
LOHNERT, G. H. Generation of a low-energy positron beam, 24:32615
LOHNERT, Guenter H. Generation of a low-energy positron beam, 25:37551
LOHNERT, Gunther H. Positron annihilation in a plasma, 24:35381 (AD-702760)
LOHNERT, H. High-field magnet for a hydrogen arc experiment, 25:6451 (IPP-4/73)
System of superconducting coils 5 cm, 17 cm, and 35 cm in diameter, 22:46106 (IPP-4/60)
LOHNERT, Wolfgang Simultaneous oxide evaporation and thermal diffusion in tantalum—oxygen solid solutions, 25:42975
Some theoretical aspects of thermal diffusion in interstitial solid solutions, 25:42865
Thermal diffusion of O in Ta—O and Nb—O solid solutions, 25:42864
LOHR, D. E. Sodium corrosion of Westinghouse liquid metal fast breeder reactor (LMFBR) materials, 25:2619
LOHR, J. Coaxial gun development, 22:1252 (LA-3770, Paper E2)
LOHR, J. M. Cross-section and vector analyzing power measurements for 9-, 11-, and 13-MeV deuterons elastically scattered from ^{27}Al, Si, ^{46}Ti, ^{48}Ti, ^{52}Cr, ^{64}Zn, ^{90}Zr, and ^{120}Sn, 25:53715
LOHR, R. D. Design evaluation of insulator pin, 25:37164 (BDX-613-294)
LOHRDING, Ronald K. Economic vs biological risk as reactor design criteria, 25:60003
Method for estimating risk from Plowshare detonation, 25:4172
Method for estimating the risk from a Plowshare detonation, 25:39938
Risk analysis of Omega West Reactor, 24:38602 (LA-4449)
Risk estimate for an urban-sited reactor, 25:51014
Risk estimate for an urban-sited research reactor, 25:6103
LOHRMANN, E. Electromagnetic interactions, 23:51876 (DESY-69/21)
Experimental tests of quantum electrodynamics, 23:49198
Interactions of 1.5 GeV/c K$^-$ mesons with emulsion nuclei, 21:25244
Interactions of 1.5 GeV/c K$^-$-mesons with emulsion nuclei, 21:9956 (DESY-66/23)
Introduction to photoproduction, 24:18106 (CERN-69-29, pp 47-60)
New experimental results on the photoproduction of mesons, 22:39234 (CERN-68-7(Vol.1), pp 556-70)
New process in ultra-high-energy interactions, 22:41824 (DESY-68/32)
Nucleons in the atmosphere, 22:5176
Photoproduction of meson and baryon resonances, 23:49086
Resonances (bubble chamber), 22:15660 (DESY-67/40)
Scattering of photons and electrons on nuclei, 25:22726 (INP-712(Vol.1), pp 97-106)
LOHS, Kh. Formation and conversion of primary radicals in trichlorphon irradiated at 77°K, 24:4327
Radioinduced free radicals in phosphoorganic compounds, radical yields, and radical kinetics in phosphonic acid esters of trichlorphon type after x irradiation, 23:2319
Structure of free radicals in trichlorphon x-irradiated at room temperature, 24:4326
LOHSE, G. E. Initial operation of Idaho waste calcining facility with radioactive feed, 21:10577 (CONF-660208-, pp 388-99)
Preventing activity release at the Idaho Chemical Processing Plant, 25:21123
Second processing campaign in Waste Calcining Facility, 24:27316 (IN-1344)
Storage facilities for radioactive calcined waste solids at Idaho chemical processing plant, 22:42934 (IN-1155)
Storage of radioactive solids in underground facilities: current ICPP practices and future concepts, 22:16815
Third processing campaign in the Waste Calcining Facility, 25:41893 (IN-1474)
Treatment of radioactive waste streams at Idaho chemical processing plant by evaporation and ion exchange, 25:34682 (CONF-710509-1)
LOHSE, Karl-Heinz Reactors, 23:49560
LOHSE, R. Anaplastic carcinoma of the kidney in renal thorotrastosis, 23:24755
LOHSE, U. Thermoluminescent dosimetry with polycrystalline LiF, 25:10879
LOHSEN, E. Irregularities in the Crab pulsar wobble, 24:48949
LOI, G. Cytological and histological modifications induced by colloidal ^{198}Au, 21:20382
LOIACONO, G. M. Growth and properties of K$_4$Nb$_6$O$_{17}$, 22:49811
LOIDL, J. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
LOIKO, E. A. Spectrochemical determination of trace elements in blood serum and urine, 23:11411
LOIKO, V. I. Relaxation of selenium rectifiers in response to x-irradiation and reverse current flow, 25:44750
LOINGER, A. Comments on a recent paper concerning the quantum theory of measurement, 22:15649
Rayleigh-Jeans law is incompatible with classical electrodynamics, 25:30936
Relations between statistical mechanics and quantum theory of measurement, 21:3264
LOIS, L. Energy buildup factors in water for very deep penetrations for a 6 MeV plane isotropic gamma source, 21:3910 (WAPD-T-1932)
Energy buildup factors in water for very deep penetrations, 21:7324
High-order transport results for gamma rays in multilaminar geometry, 22:1289 (WAPD-T-2057)
High-order transport results for gamma rays in multilaminar geometry, 22:5405
LOIS, Lambros ASPIS: program to compute gamma ray buildup factors in laminar geometry, 24:5196 (WAPD-TM-835)
Extrapolation distance for anisotropic scattering, 21:35399
Solution of the slab transport problem, 22:30348 (WAPD-TM-661)
LOISEAU, B. A. Doubled rho Regge trajectory and positivity of $\pi\pi$ partial widths in dual-resonance model, 25:40980
Effect of three-body ΛNN intermediate-range potential in light hypernuclei and in nuclear matter, 23:23497
Effect of three-body ΛNN long-range potential in nuclear matter, 22:3459
Effects of three-body ΛNN forces in light hypernuclei, 21:40239
Nucleon—nucleon correlation and two-pion-exchange three-body force in n force in nuclear matter, 25:36831
Three-nucleon force, 21:38383
LOISEAU, Jean Doppler effect and its displacement toward the red, 22:38666
LOISEAUX, J. M. Fragmentation of octupole strength in ^{205}Tl(p,p')^{205}Tl, 24:30853
Mass of ^{13}O and isobaric multiplet mass equation, 25:5640
Nuclear structure of ^{50}Sc through the reaction ^{48}Ca(^{3}He,p)^{50}Sc, 23:17101
Proton-pair correlation in Ti and Cr low-lying excited states, 25:36709
Reactions ^{11}B(p,^{3}He)^{9}Be and ^{11}B(p,t)^{9}B, 25:31228
Reactions $^{203\ 205}$Tl(α,t)$^{204\ 206}$Pb, 22:20614
Spectroscopy of N = 27 doubly odd nuclei through the J-dependence of (^{3}He,t) reaction, 23:28277
LOISEAUX, J.-M. Low-lying many-quasiparticle states in nickel isotopes, 24:35844
Study of the giant resonance of light and heavy nuclei by scattering of bremsstrahlung, 21:17305
LOISELEUR, J Radiovaccination and curative treatment of cutaneous radiolesions, 21:45768
LOISELEUR, J. Applied radiobiology. I and II, 21:45766
Curative treatment of the rat submitted to a lethal dose of x rays, 23:29574
Increase by diphtheria and tetanus antibody titers by association of irradiation and a booster injection, 22:51420
LOISELLE, J. M. Incorporation of L-threonine and L-methionine in plasma proteins of irradiated rabbits, 22:43250
Some aspects of the biochemistry of plasma in the irradiated rabbit, 22:43234
LOISELLE, R. Effect of x irradiation on yield in barley, 21:13070
LO IUDICE, N. Number-conserving calculation of low-energy spectra of odd—odd Tl isotopes, 24:52633
LOIZZO, P. Assessing the value of Pu, 24:11141
Burnup and power distribution for light water moderated plutonium fuelled clusters, 22:22775
Burnup of pressurized or boiling water reactors, 22:18588 (RT/FI-(67)28)
Effect of Doppler broadening on the absorption integral of the 1.056 eV resonance of ^{240}Pu, 21:31787
Experimental and calculated results for UO$_2$ and UO$_2$—PuO$_2$ fueled H$_2$O-moderated loadings, 24:47820 (BNWL-1379)
Nuclear reactor spatial kinetics calculations, 23:40429 (CONF-690401-, pp 102-15)
System of burnup codes BURNY-input-output and operating instructions, 25:48242 (RT/FI-(71)8)
Thermalizing column modification for RC-1 reactor improvement, 21:21773 (RT/ING-(66)19)
LOIZZO, Paolo Correlation by the calculation of peak and disadvantage factors for a square cluster, 22:50850
Program PEARL: analysis of thermal reactor lifetime by perturbation method, 22:50764
RIBOT: physical model for light-water lattices calculations, 22:24932 (BNWL-735)
Some experience with fitting indirect thermal cross sections to Wigner—Wilkins spectrum, 22:50868
LOJACONO, R. Unirradiated MTR fuel elements dissolution in semicontinuous flooded dissolvers for acid and acid-deficient final conditions, 22:4234 (RT/CHI-(67)8)
LOJE, Kenneth F. Low temperature thermal expansion coefficient of sodium fluoride, 22:9419 (COO-623-120)
LOJEK, T. Lyophilized and radiosterilized bone grafts in dogs, 24:934
LOJOVA, M. Stripping of deuterons with 2.45-GeV/c momentum, 24:35853
LOKAICHEK, M. Resonances as unstable systems with greater number of internal states, 23:25600 (JINR-P2-4348)
LOKAJICEK, M. Dead-time errors in difference counters, 21:10709
Radiation changes in children, 23:33892
LOKAJICEK, M. V. Double poles and nonexponential decays, 23:49129
Resonances as unstable particles with internal degrees of freedom, 24:10775
Unstable system with N states and propagator matrix, 25:19930
LOKAJICEK, Milos Contribution to the accuracy evaluation of radioisotope measurement devices, 21:41217
Some theoretical problems of the equipment for the determination of radioactivity distribution in living organs, 21:22594
LOKAN, K. H. De-excitation neutrons following ^{14}N photodisintegration, 24:40561
Optical measurements on solvated electrons in pulse-irradiated liquid propane, 25:57468
LOKANATHAN, S. Lifetime of heavy hyperfragments, 23:5526
Monte Carlo calculations and the lifetime of heavy hyperfragments, 25:36535
Monte Carlo calculations of lifetime of heavy hyperfragments, 24:42991
Neutral baryons from 24 GeV proton interactions in C, 21:3982
Neutrons produced in 24 GeV proton interactions in graphite, 22:26559
LOKAY, H. E. Fast valve control can improve turbine-generator response to transient disturbances, 25:15811
LOKEN, J. anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:15471
anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:49317
Argonne National Laboratory—Carnegie Institute of Technology 25-cm bubble chamber—superconducting magnet system, 21:16127 (CONF-660918-, pp 264-5)
Excited hyperon of mass 1680 MeV, 21:15262

Ionization measurements on POLLY, 23:33513 (ANL-7515, pp 390-4)
  Mass measurements using the range—energy relation in a helium bubble chamber, 21:44287
  Meson + hyperon final states in K^-p interactions at 4.1 and 5.5 GeV/c, 21:17054
  POLLY I: operator-assisted bubble chamber film measuring system, 23:16154 (CONF-680628-, pp 72-103)
LOKEN, J. G. Automatic scanning and measurement of bubble chamber film on POLLY II, 24:39352
  Automatic scanning and measurement of bubble chamber film on POLLY II, 25:6571 (MIT-2098-660, pp 191-220)
  Automatic scanning and measurement of bubble chamber film on Polly II, 25:13254 (CERN-70-21(Vol.1), pp 325-55)
  Oxford PEPR system, 25:6572 (MIT-2098-660, pp 222-49)
  Oxford PEPR system, 25:13239 (CERN-70-21(Vol.1), pp 61-88)
  POLY I: operator-assisted bubble chamber film measuring system, 22:47381
  Track finding, following, and event recognition on POLLY, 23:33503 (ANL-7515, pp 244-55)
LOKEN, M. Radionuclear (^{75}Se) identification of tumor in children with neuroblastoma, 24:2731
LOKEN, M. K. Comparison of the scintillation camera with a rectilinear scanner for evaluation of brain pathology, 24:34503
  Radioisotope techniques for evaluation of pulmonary pathology, 24:34498
LOKEN, Merle Evaluation of pulmonary disease using ^{133}Xe, 25:4676
LOKEN, Merle K. Comparison of scintillation camera with rectilinear scanner, 22:540
  Conventional scanning vs. scintillation camera, 21:8862
  Evaluation of isotope images of brain, 23:41373
  Evaluation of pulmonary function using ^{133}Xe, 21:43482
  Evaluation of renal function, 23:45820
  Evaluation of splenic function using ^{197}Hg-mercurihydroxypropane, 24:12164
  Handling, uses, and radiation dosimetry of ^{133}Xe, 24:50886 (CONF-691212-, pp 253-70)
  Intravenous radioisotope angiography with computer processing of data, 25:49236
  Mercury-197 determination of blood-cerebrospinal fluid barrier, 21:24351
  Placental localization technique, 23:38644
  Positive brain scans in fibrous dysplasia, 23:50666
  Quantification of image studies obtained with a scintillation (Anger) camera, 24:32106
  Radioisotope renograms in kidney transplantation, 24:12187
  Regional pulmonary function evaluation, 24:12197
  Scintiangiography of cerebral arteriovenous malformations and aneurysms, 24:48610
  Scinticisternography in individuals without known neurological disease, 25:42567
  Studies of pulmonary function and regional blood flow using ^{133}Xe, 23:8049
  Use of scintillation Anger camera and ^{133}Xe in chronic obstructive lung disease, 23:26833
  Visualization of filling defects in a liver phantom containing /sup 99m/Tc, ^{197}Hg, ^{131}I or ^{198}Au using a rectilinear scanner or scintillation camera, 22:6859
  Xenon-133 myocardial blood flow determination, 23:29333
LOKER, Lowell Genetically controlled photoreactivation of an ultraviolet-induced extrachromosomal mutation in yeast, 21:16536
LOKERSON, David T. Effects of pulse nuclear radiation on step recovery diodes, 22:414 (AD-648380)
LOKHOVA, T. F. Application of nuclear explosions in the extraction of oil, 22:12468 (UCRL-Trans-10200)
LOKHUARU, M. E. Effect of ^{60}Co gamma radiation on isotopic exchange in molecular oxygen—oxide system. I, 24:16567
  Gamma radiation effects on catalytic properties of La_2O_3 and CeO_2 in $^{16}O_2 + {}^{18}O_2 \rightarrow 2\ {}^{16}O^{18}O$ reaction, 23:4662
  Influence of ^{60}Co γ radiation on isotopic exchange in molecular oxygen—neodymium oxide system, 22:42786
LOKITIONOV, G. M. Action of ionizing radiation of tissue of central nervous system, 23:48233
LOKK, E. Prototrophic properties and x-ray resistance of some nodule bacteria, 23:24771
LOKKEN, Donald A. Physical characterization of metallic LaI_2 and CeI_2 and of phase $LaI_{2.42}$, 22:31996
LOKKEN, Donald Arthur Crystal structures of compounds involving metal—metal bonding. I and II, 24:31167 (IS-T-348)
LOKKEN, J. E. Instrumentation for receiving electromagnetic noise below 3,000 cps, 21:41300
LOKKEN, R. A. Efficiency calibration of a low-energy Si(Li) photon spectrometer, 25:39743
LOKMANHEKIM, M. Analysis of aboveground fallout shelter ventilation requirements, 22:4395
LOKSH, A. I. Measurement with high-speed counter with automatic recording, 23:33561
LOKSHINA, A. M. Evaluation of a combined and operative treatment of brain tumors with manifestations of occlusive hydrocephalia in children, 24:12204
LOKTINOV, Yu. M. Asymmetric helical magnetic configurations, 25:36206
LOKTIONOV, A. A. Possible method for finding resonances with incomplete knowledge of the interaction, 22:15701
LOKTIONOV, N. F. Nonisothermal superconducting bolometer. II, 25:58952
LOKTIONOV, V. A. Solubility of O in Hf—Nb alloys, 25:19240
  Solubility of O in Nb—Zr alloys, 24:21369
LOKTIONOV, Yu. M. Experimental determination of the basic characteristics of spatially periodic magnetic configurations, 25:52851 (KHFTI-70/49)
  Helical magnetic configuration (torsatron) with axial currents, 24:51720
  Magnetic configuration with width and minimum B, 23:36724 (FTI-217)
  Magnetic configurations with a shear and minimum anti B, 24:8484 (AEC-tr-7116)
  Magnetic surfaces in straight Vintotron and Vintotorus configurations, 25:49929
  Modified Torsatron-type systems, 24:35479
  Operation of stellarator cylindrical converters in the presence of an axial current, 24:42717
  Shear and minimum anti B in magnetic configurations with combined helical fields, 24:28337
  Spatial magnetic configurations with shear and minimum B, 25:49926
LOKUTSIEVSKII, O. V. Theory of non-linear oscillations of electron plasma, 21:29261
LOLADZE, Ts. D. Transfer of material by a wave and instability of weakly ionized plasma associated with it, 23:23194
LOLIC, B. M. Use of radioisotopes and radiation in USSR, Great Britain, France, and Czechoslovakia, 22:12546
LOMACKY, Oles Fatigue and fracture reliability analysis of pressure vessels, 25:39344 (CONF-710512-7)
LOMAGIN, A. G. Effect of kinetin on resistance of Tradescantia leaves to ultraviolet rays, 21:30922
LOMAKIN, B. N. Possibilities of a shock tube in obtaining and investigating a dense low-temperature plasma, 25:3116
LOMAKIN, S. S. Fast-neutron flux measurement in AES Novo-Voronezhskii reactors, 25:56891
  Measurement of effective neutron temperature in uranium—graphite reactors, 25:34413
  Measurement of the neutron temperature with lutetium isotopes, 22:35208
  Use of fission chambers in water-cooled reactors, 25:60046
LOMAKIN, Yu. F. Hydrodynamical processes and parameters of glass motion in large bubble chamber, 25:6559 (JINR-P13-5291)
  Measurement of total and partial cross sections of 5.1 GeV/c π^- meson interaction in propane bubble chamber, 24:24256
  Notes of (Λeta)*-resonance, 21:33610 (JINR-P1-3351)
  Possible existence of the $\pi^-\gamma$ resonance at 270 MeV, 25:50065 (JINR-P1-5874)
  Production of Ξ^- hyperons in π^-p interactions at 5.1 GeV/c DTIE; UR, 24:28490
  Search for baryon resonances in p γ system, 25:50058 (JINR-P1-5916)
LOMAKO, V. M. Electrical characteristics of strongly-alloyed p-n transitions from arsenide of Ga (radioinduced), 23:18720 (IAE-1659)
  Modulation of the light reflected by silicon p—n junctions irradiated with fast neutrons, 21:27243
  Radiative recombination in GaAs with residual and radiation defects, 22:24429
LOMAN, H. Indirect radioprotection by sulfhydryl compounds: a model chemical system, 24:32037
  Radiation chemistry of thymine in aqueous solution, 22:51470
  Radiation chemistry of thymine. Thymine-electron adduct, 25:15674
  Reactivity of hydroxyl radicals with DNA and poly A, 22:49202
LOMANOV, M. F. Formation of dose fields on proton beam of ITEP accelerator, 24:38015
  Investigation of the π^- exchange scattering by light nuclei at 2.8 GeV/c, 21:25241
  Proton beam of the ITEP accelerator for radium therapy, 25:56581 (BNL-tr-442)
  Proton beams for radiotherapy, 23:30891
  RBE of accelerated protons in various portions of Bragg curve, 25:44944
LOMAS, B. Observation of the τ_4 band of UF_6 and determination of this gas by far infra-red spectroscopy, 24:41187
LOMAS, J. Oxidation of α-glycols by periodic acid. VI, 21:5881
LOMAS, J. S. Isotope effects in the chlorination of naphthalene, 22:61
LOMASHEV, B. I. BRG-30 experimental power installation with gas-cooled fast neutron reactor and dissociating heat transfer medium, 25:34323 (JPRS-53069, pp 166-75)
LOMASHEVICH, C. A. Principle of formation of amplitude spectra in semiconductor nuclear radiation counters, 25:34911
LOMAX, R. J. Nonlinear solutions of Vlasov equation by velocity space expansion in Laguerre polynomials, 21:44061 (NASA-SP-153, pp 137-44)
  Prog. rpt. on frequency multiplication in high-energy electron beams, semiannual, 4—10/67, 22:39071 (N-68-19962)
  Prog. rpt. on frequency multiplication in high-energy electron beams, semiannual, 10/67—3/68, 22:46141 (N-68-25551)
  Prog. rpt. on low-voltage arc studies, Pt. 5, final, 6/63—12/66, 22:34625 (AD-661304)
  Prog. rpt. on microwave device investigations, semiannual, 4—10/68, 23:27617 (N-69-10968)
LOMBAARD, J. M. Elastic scattering of deuterons from ^{10}B at low energies, 23:10949
LOMBARD, D. B. Recovering oil by retorting a nuclear chimney in oil shale, 22:10422
LOMBARD, David B. Coal breakage with nuclear explosions for in situ gasification, 25:48682 (NVO-544-1)
  Design for Project Bronco, 22:8244 (UCRL-50339)
  Disposal of radioactive wastes in nuclear chimneys, 25:4279
  Flowmeter tests in GB-2RS, 23:2442 (PNE-G-22)
  Technical considerations for Plowshare applications to oil shale, 24:41539 (CONF-700101-(Vol.2), pp 1343-63)
  Transducer for measuring pressure pulses, 22:49159
LOMBARD, G. L. SNAP-8 tube-in-tube mercury boiler development using 9 percent chromium—1 percent molybdenum steel, 24:52975 (N-70-27200)
LOMBARD, J. R. Metallurgical examination of boron-containing stainless steel cladding from Indian Point Core A. Final report, Volume 3 of 3 volumes, 24:36938 (BAW-3809-8)
LOMBARD, L. Formation and nature of twin crystals in U_3Si, 25:8946
LOMBARD, Olive M. Data on exposure of human population to ionizing radiation, 22:38490
  Mortality and radiation exposures of Massachusetts dentists, 24:29756
  New data on the effects of ionizing radiation on radiologists, 21:1823
LOMBARD, R. Angular distributions of protons extracted from ^{12}C by high energy electrons, 21:38231 (ISS-66/30)
  Collective states in light nuclei, 24:24515
  Proton angular distribution in high energy $^{12}C(e,e'p)^{11}B$ reaction, 21:38258
  Reaction (e,e'p) induced in Ca by 600 to 750 MeV electrons, 22:20538
  Study of (p,d) reactions on ^{118}Sn and ^{119}Sn with polarized protons, 25:20365 (CEA-CONF-1657)
LOMBARD, R. J. Comparison between Hartree—Fock and Thomas—Fermi calculations using effective interactions, 25:5873
  Isotope shift of nuclear charge distributions, 23:42990
  Magnetic moments in even-A single closed shell nuclei, 22:46828
  Neutron closed-shell nuclei, 22:48602
  Pion production and nuclear surface, 25:56530
  Quasi-particle description of 2^+ and 3^- states of even—even spherical nuclei, 22:22579 (IPNO/TH-114)
  Quasi-particle description of 2^+ and 3^- states of doubly even spherical nuclei, 22:37379
  Stability of the even He-isotopes, 25:53610
  Statistical estimate of the breathing mode energy, 24:22226
  Statistical theory of deformed nuclei, 24:24615
  Statistical theory of nuclei, 22:42118
  Statistical theory of nuclei. II, 23:42987
  Two-quasiparticle 1^+ states in even-A, single-closed-shell nuclei, 22:37398
LOMBARD, R. M. Asymmetry of the inelastic scattering of 20.3 MeV polarized protons on ^{24}Mg, ^{26}Mg, and ^{28}Si, 25:17825
  Elastic and inelastic scattering of 20.3-MeV polarized protons from ^{90}Zr, ^{92}Zr, and ^{92}Mo, 24:1864
  Inelastic scattering of 24.5 MeV polarized protons from ^{152}Sm, 25:25788
  Inelastic scattering of polarized protons at 20 MeV, 22:27010
  Reactions (p,d) on ^{57}Fe, ^{61}Ni, ^{91}Zr with a proton-polarized beam, 24:8875
  Scattering of high-energy electrons on ^{27}Al, ^{31}P, and ^{32}S and core-excitation model, 21:42585
  Scattering of high-energy electrons by ^{27}Al, 21:42586
  Study of reactions (p,d) on nuclei of ^{57}Fe, ^{61}Ni, ^{91}Zr by means of polarized protons, 24:3876 (CEA-CONF-1332)
  Y_{40} components in the equilibrium nuclear shapes of ^{232}Th and ^{238}U, 25:46023
LOMBARD, Roland Super elements, 24:15937
LOMBARD, Roland J. Internal pair formation and multipolarity of nuclear transitions, 22:20709
LOMBARD, Roselyne Reaction (e,e'p) in the ^{75}As nucleus, 21:35440
  Reaction (e,e'p) in the ^{75}As nucleus, 22:1617
LOMBARD, S. M. Determination of antimony in standard rocks by instrumental neutron activation analysis, 25:48490
  Determination of Sm and Gd in rare earth ores, 23:35026
  Neutron capture gamma-ray activation analysis, 23:66
  Neutron-capture gamma-ray activation analysis, 22:12262
LOMBARD, Stewart Matthew Neutron-capture gamma-ray activation analysis, 24:16476
LOMBARDI, C. Design data for the CIRENE reactor power channels, 24:4057 (CISE-R-117)
  Temperature oscillations of wall cooled by two-phase mixture in supercritical conditions, 24:2377 (CISE-R-176)
  Thermal losses toward moderator in metallic—uranium reactor of Cirene-type, 24:13548 (CISE-R-177)
  Third FORATOM Congress: industrial aspects of a fast breeder reactor program, 21:42758
LOMBARDI, J. C. $^7/_2^-$ isobaric analogue resonances in odd isotopes of Sb, 25:10044
  New source of polarized protons, 24:30644
LOMBARDI, M. Alignment of excited levels of an atomic vapor in a high frequency discharge, 22:41329
  Mycroangiographic research on guinea-pig kidney after irradiation with 20-MeV electrons, 23:918
  Relaxation processes of excited atomic levels of He, 24:25982
LOMBARDI, Maurice Orientation of atoms excited in a high-frequency discharge, 22:24038
  Possibility of orientating an atom by superposition of two separately nonorientating interactions, 22:5126
LOMBARDI, N. Power excursion in ROSPO reactor, 24:29054 (RT/FI-(69)21)
LOMBARDINI, P. P. D-zone propagation during solar eclipse, 25:24992
  Note on the microwave spark chamber, 21:12657
  Threshold electric fields for microwave spark chambers, 21:39232
LOMBARDO, E. Diet of populations of regions in European Community aimed at determining levels of radioactive contamination, 24:21098 (EUR-4218)
LOMBARDO, Enzo Determination of diets for populations of eleven regions of European community to be used for obtaining radioactive contamination levels, 23:2803 (CEA-R-3434)

LOMBARDO, J. H. Multiplication of aphthous (foot and mouth disease) in previously irradiated tissue culture and animals, 24:39591 (PRNC-135, pp 215-23)
Multiplication of foot-and-mouth disease virus in irradiated adult rodents, 22:51429
LOMBARDO, J. J. Cryogenic radiation effects on NERVA structural materials, 22:19604
LOMBARDO, T. Radioimmunologic determination of anti-insulin antibodies, 23:2783
LOMBERSKA, L. Thermal stability and its relation to scintillation detector parameters with domestic NaI(Tl) crystals 40 x 40 mm and photomultipliers 61 PK 413 through 415 at elevated temperatures, 25:42092
LOMBERSKA, Ljuba Thermal resistance and dependence of scintillation detectors at elevated temperatures, 25:55025
LOME, Leon G. Spontaneous regression of pulmonary metastases from transitional cell carcinoma of the bladder, 24:44575
LOMENICK, T. F. Accelerated deformation of rock salt at elevated temperature and pressure and its implications for high-level radioactive waste disposal, 22:16792 (ORNL-TM-2102)
Behavior of ^{90}Sr and ^{137}Cs in seepage pits at ORNL, 21:39167
Deformation of rock salt in openings mined for the disposal of radioactive wastes, 24:36541
Disposal in natural salt formations, 24:39174 (ORNL-4446, pp 12-16)
Earthquakes and nuclear power plant design, 24:43681 (ORNL-NSIC-28)
Earthquakes and reactor safety, 24:39092 (ORNL-4446, pp 23-5)
Feasibility of deep-well injection of waste brine from inland desalting plants, 23:31262 (TID-25081)
Geology and description of the Lyons mine, 25:32187 (ORNL-4555, pp 49-58)
Laboratory pillar model experiments, 25:32194 (ORNL-4555, pp 257-90)
Model pillar tests for evaluating structural stability of openings in rock salt, 23:21928
Seismological and geophysical instrumentation in reactor safety, 22:19221
LOMENICK, Thomas Fletcher Accelerated deformation of rock salt at elevated temperature and pressure and its implications for high level radioactive waste disposal, 23:7723
LOMER, Jenifer N. Anisotropy of defect production in electron irradiated iron, 22:16602
Anisotropy of defect production in electron-irradiated iron and silicon, 22:31929 (BNL-50083, pp 304-13)
Dislocation pinning and depinning in electron irradiated molybdenum, 23:22604
ESR in diamond electron-irradiated at low temperature, 25:52913
Internal friction measurements in gold after low temperature electron irradiation, 23:6711
LOMER, P. D. Performance of targets in sealed-off neutron tubes, 22:37247
LOMER, T. R. An experimental study of the diffuse x-ray scattering from sodium chloride, 21:33532
LOMER, W. M. Electronic structure of pure metals, 23:41667
Neutron spectroscopy of solids. II, 21:15230
LOMINADZE, A. A. Marrow haematopoiesis under ionizing radiation and chemical substances used in combating malignant tumors, 23:29887
LOMINADZE, D. G. Coupled cyclotron and spin waves in semiconductors and metals, 22:3145
Dynamics of plasma heating in collisionless high-amplitude shock waves, 25:38353 (CONF-710607-70)
Energy losses of a charged particle in a weak nonlinear plasma, 23:20925
Interaction of a beam of charged particles with coupled spin and plasma waves, 23:48971
Investigation of spectra of plasma ion-cyclotron oscillations, 25:33339
Nonlinear theory of low-frequency oscillations excited by an ion beam in a plasma, 21:15142
Nonlinear waves in multicomponent collisionless plasma, 24:51760
Propagation of a charged particle through weak nonlinear plasma, 25:14313
LOMINO, N. S. Characteristics of interaction of fast plasma with a transverse magnetic field, 21:18711
Characteristics of plasma trapped in transverse magnetic field. II, 23:8582
Dielectric constant of plasma in transverse magnetic field, 21:31459
Formation of short plasma clusters by a pulsed multipole magnetic field, 24:51693
Investigation of motion of a plasma burst in nonuniform transverse magnetic field, 21:18632
Investigation of transverse plasma injection into a toroidal magnetic field, 23:12755
Ion energy spectra and lifetimes in a multipole magnetic trap, 25:36085
Longitudinal polarization of a plasma stream in a transverse magnetic field, 23:51635
Plasma injection and confinement in a closed quadrupole magnetic trap, 24:51612
Plasma stream in an inhomogeneous transverse magnetic field, 24:1437
Plasma transport in a magnetic quadrupole field, 25:36086
Tangential injection of plasma into a toroidal magnetic field, 24:3300
LOMINSKI, I. Long-chain mutants of Streptococcus faecalis induced by ultraviolet irradiation, 25:26731
LOMIZE, L. G. Field decrements in linear proton accelerators, 24:47538
Nonlinear interactions of an intensive beam of charged particles with the accelerating field, 24:45653 (KFK-tr-318)
LOMKATSI, G. S. Evidence for $\pi^+\pi^-$ resonance at 1.5 1.6 GeV in 4.7 GeV/c π^-p^- interaction, 21:7470
g^0 resonance decay into four pions, 23:30714
Investigation of spin and parity of A$_2$ meson, 23:3650
Quasi-two-particle π^-p reactions, 22:48241
Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ at 3.25 GeV/c, 23:7100
Reaction $\pi^-p \rightarrow \Delta^{++}(1236)\pi^-\pi^-$ with the impulse of π^- meson at 3.25 GeV/c, 22:48227 (ITEF-590)
Spin and parity of the A$_2$ meson, 22:44411 (ITEF-557)
Three-particle resonances in π^-p interactions at 4.7 GeV/c, 21:21143
LOMM, Mari-Frans About the isotopic exchange of the hydrogen atoms taking part in the formation of ketone enolic forms in the mass-spectrometer inlet system, 22:27679
LOMMATZSCH, K. Malignant eyelid tumors after radiotherapy, 23:41469
LOMMATZSCH, P. Changes in rabbit eye on exposure to beta rays, 23:20374
Malignant eyelid tumors after radiotherapy, 23:41469
Radiation cataract in beta irradiation of the anterior eye segment, 23:24760
Radiation effects on retina of the rabbit, 23:6584
Radiotherapy of melanoblastoma of hamster, 24:34690
Retina of rabbit after irradiation, 23:50864
Structural changes of the rabbit retina following x irradiation, 23:2948
Techniques in use of high-energy electrons in ophthalmology, 23:35758
LOMMATZSCH, Peter Effects of high-energy electrons on morphological and functional (ERG) changes in rabbit retina, 23:2945
LOMMEN, P. W. Balloon measurement of proton and alpha particle fluxes, 23:25180
LOMMEN, Paul Warren Integral fluxes of primary cosmic rays near solar minimum, 23:8487
LOMMER, Chr Deuteron and its magnetic moment, 24:18356
LOMNICZI, B. Effect of x irradiation and bursectomy on interferons induced in chickens by Newcastle disease virus, 23:35638
LOMNITZ, Cinna Prog. rpt. on LASA research in central Calif., semiannual, 6/12/66, 21:41051 (AD-647554)
LOMON, E. Nucleon—nucleon interaction consistent with theory and experiment, 21:37853
Two nucleon system and the electromagnetic interaction, 23:9020 (TID-24667, pp 271-86)
LOMON, E. L. Developments in the boundary condition model of nuclear forces, 22:27285
Energy per particle of neutron matter near nuclear density, 25:34164
Field-theoretical nucleon—nucleon potential, 23:15153
Nuclear matter properties of the boundary condition model, 24:43532
Pion—nucleon scattering and production in the D$_{13}$ state, 23:8811
LOMON, Earle Nucleon—nucleon interaction consistent with experiment and the boson-exchange theory of nuclear forces, 22:20755
Radiative corrections, 23:9015 (TID-24667, pp 219-30)
LOMON, Earle L. Coupled-channel amplitudes: physical effects and analytical structure, 24:26528
Field-theoretical nucleon—nucleon potential, 25:3414
Isobar intermediate state contributions to the nucleon—nucleon potential, 24:43533
K^+d structure in I = 0 at 1.2 GeV/c as a result of S-state $K \rightarrow K^*(890)$ channel coupling, 22:9626
Nonlinear Regge trajectories, 25:14662
Nucleon—nucleon potential consistent with experiment and the boson exchange theory of nuclear forces, 22:44451
Pion—nucleon scattering and production in the D$_{13}$ state, 24:49504
LOMONOS, P. I. Function of rat thyroid gland during repeated irradiation and mercamine injection, 21:4847
LOMONOSOV, I. I. Flux measurement of epithermal and fast neutrons in vertical channel of reactor IRT-2000, 25:51193
Measurements of triium, 22:51236
Radioluminescence of CaWO$_4$(Nd^{3+}) during intense excitation, 25:40780
LOMONOSOV, V. A. Microcalorimetry of the processes of coagulation, 24:599
LOMONOSOV, V. N.'Acceleration of charged particles in a variable magnetic field, 25:16677
Acceleration of charged particles in a variable magnetic field, 25:30122
LOMONOSOVA, T. A. Radiative capture of μ-meson and second kind currents, 22:13723
Radiative μ^- capture and second class currents, 21:42324 (ITEF-491)
Theory of (π^+,2p) reactions on light nuclei, 24:38126
LOMONT, J. S. Reduction of reducible representations of infinitestimal generators, 21:33633
LO MORO, A. In-pile irradiation of some thallium compounds, 23:45315
LO MORO, Antonino Chemical form of radioactive phosphorus produced by in-pile irradiation of organic sulphur compounds in aqueous solution, 23:15905
LOMOV, K. P. Tuning of injection channel of IFVE 70-GeV proton synchrotron, 23:46863 (IFVE-SKU-68-76)
LOMOV, V. I. Basic problems of fluorination method for fast power reactor fuel reprocessing, 25:51557 (A/CONF.49/P-448)
LOMOVTSEV, M. A. Low-temperature plasma generators, 23:48916
LOMPE, Arved Technical—scientific transactions of the Osram society. IX, 23:12325
LOMSADZE, Y. M. Nonlinear chiral U(3) x U(3) dynamics of low-energy BB and PB interactions, 23:46770 (ITF-69-45)
LOMSADZE, Yu. Asymptotic relations between the terms of asymptotic expansions of cross process amplitudes, 21:33778
Possibilities of obtaining experimental information on asymptotic behavior of effective space—time domains of particle interaction, 22:26649 (JINR-P2-3590, pp 158-68)
LOMSADZE, Yu. M. Asymptotic amplitudes, asymptotic equivalence, asymptotic relations, 23:37021
Asymptotical relations for the averaged amplitude with the most general understanding of microcausality and with its violation, 25:22710 (ITF-70-80-E)
Axiomatic proof of asymptotical relations for averaged amplitude, 25:22877 (ITF-70-79)
Broken nonlinear chiral U(3) x U(3) and SU(3) x SU(3) dynamics of hadrons and their corollaries, 24:20200 (ITF-69-82)
Broken nonlinear chiral U(3) x U(3) dynamics of hadrons, 24:28537 (ITF-70-20)
Experimental test of the existence of a stationary singularity of the scattering amplitude with a vanishing field coupling constant in renormalized theories, 21:27449
Formulation of Bogolyubov microcausality principle and its consequences, 22:9523
Further restrictions on the high-energy behaviour of scattering amplitude, 23:19003 (ITF-68-38)
Immovable singularity of the scattering amplitude for the strongly interacting particles at the vanishing field coupling constant, 21:42453
Logic of conclusive explication of the quantum theory, 25:36353 (ITF-70-61-E)
New proof of Pomeranchuk theorem, 23:7182
New proof of Pomeranchuk theorem, 23:15246 (ITF-68-30)
Oscillations of the scattering amplitude and restrictions on its high-energy behavior, 23:27884
Problem of axiomatic formulation of microcausality and theorems of Pomeranchuk theorem type for averaged amplitude, 24:37931 (ITF-70-17)
Range and times of high-energy interaction of particles, 24:6720
Scattering by nonphysical potentials: analiticity in coupling constant, 23:19004 (ITF-68-46)
Scattering by nonphysical potentials, 24:28626
Some pecularities of cognition of microworld, 25:27929 (ITF-70-62-E)
Strict locality, microcausality and theorems of type of Pomeranchuk theorem, 24:1661 (ITF-69-46)
Upper bound for the partial-wave scattering amplitude, 23:51918 (ITF-69-40)
What are range and time of high-energy interaction of particles, 23:39644 (ITF-69-38)
LONADIER, Frank D. Ion exchange method for preparing metal oxide microspheres, 23:22632
LONAI, P. Effect of whole-body x-irradiation of guinea pigs on liver ribosomes, 23:4899
LONCAR, Goiho Effect of space charge on the electrodynamic properties of the accelerating structure, 22:24775
LONCAR, Gojko Oscillographic method of measuring accelerating structures, 21:21335
LONCARIC, J. Flow rate measurements in hydropower plants by means of radioisotopes, 21:12699
LONCKE, P. Isospin quadruplets in A = 15 nuclei, 21:29910
LONDARENKO, G. A. Conversion electron spectrum of an iridium fraction, 21:25552
LONDEN, S-O. Experimental and theoretical work at zero-energy fast reactor FRO, 21:35673 (ANL-7320, pp 159-84)
LONDEN, Stig-Olof Central reactivity measurements on assemblies 1 and 3 of the fast reactor FRO, 21:25730
Some nonlinear Volterra equations, 23:43200
LONDERGAN, J. T. One-pion contribution to neutron—proton charge-exchange scattering, 24:52120
Simple model for three-body decays of /sub Λ/^{4}H, 24:49417
Spin-orbit coupling for Λ-^{4}He scattering using a one-boson-exchange model for the ΛN interaction, 25:56648
Three-body decays of /sub Λ/^{4}H, 24:15530
LONDON, A. Design, fabrication, and test of a B wing structure, 24:14675
LONDON, G. Anisotropy in the mechanical properties of beryllium single crystals, 23:6678
LONDON, G. B. Semiconducting properties of potassium permanganate, 23:3613
LONDON, G. J. Deformation and fracture of beryllium bicrystals, 23:10221
Deformation of Be single crystals, 23:24892
Deformation of Be—Cu single crystal, 23:48435
Microstrain compression of beryllium and beryllium alloy single crystals parallel to [0001]. II, 22:36505
Microstrain compression of beryllium and beryllium alloy single crystals parallel to [0001]. I, 22:36504
Prog. rpt. on crystal perfection of tantalum silicide and beryllium, 6/69—3/70, 24:36869 (NYO-3716-4)
Structure property relations in beryllium sheet, 25:55510
LONDON, G. W. Some results concerning K^-d interactions around 900 MeV/c, 23:21061
LONDON, Gilbert Application of electron microscope for production of pseudo-Kossel patterns and their use in determination of lattice constants of Be-4.4 wt. percent Cu alloy, 21:34538
LONDON, H. Osmotic pressure of ^{3}He in superfluid ^{4}He, 25:45389
Techniques for evaluating the performance of the ^{3}He dilution refrigerator, 23:6952
LONDON, Heinz Improvements in or relating to refrigerators operating at very low temperatures, 22:39028
LONDON, J. E. Biological response to radioactive sources. I, 23:7950
Biological response to small discrete highly radioactive sources. I, 23:22395
Long-term in vivo retention of ^{144}Ce by beagles, 21:373
LONDON, L. H. Far-infrared torsional vibration spectrum of CD$_3$CD$_2$Cl, 21:42948
LONDON, W. Thomas Thyroid nodularity in Southwestern Utah school children exposed to fallout radiation, 25:21684
LONDONO, Alvaro Ariza Whole-body irradiation and radiocarcinogenesis, 22:15097

- LONDONO, Ruby L. Effect of gamma radiation tobacco budworm, 24:4677
- LONDRES, Helena Radium-226 in human teeth and urine, 21:26438
- LONDRILLO, P. Cosmic black-body radiation, 22:8961
  - Radiospectra of 4C radiosources, 23:46180
- LONE, M. A. ^{208}Pb(p,p'γ)^{208}Pb in the region of particle—hole isobaric analogue resonances, 24:43421
  - Correlations in partial widths of neutron-induced reactions, 22:20587
  - Direct neutron capture in ^{238}U(n,γ)^{239}U, 21:42649
  - Direct neutron capture in ^{59}Co(n,γ)^{60}Co, 21:4242
  - Direct neutron capture in ^{59}Co(n,γ)^{60}Co, 23:15388
  - Gamma decay, including intense M1's, in ^{115}In(n,γ)^{116}In, 24:47612
  - Gamma-ray spectra following neutron capture in resonances of ^{169}Tm, 23:34779 (ANL-7282, pp 473-82)
  - Gamma-ray spectra produced by 130-eV and thermal neutron capture in Co, 23:34745 (ANL-7282, pp 483-91)
  - Investigation of γ rays following S- and P-wave neutron capture in Sn isotopes, 22:16018
  - Neutron capture in ^{236}U, 23:7286
  - Reaction ^{115}In(n,γ)^{116}In, 25:20410
  - Reaction ^{197}Au(n,γ)^{198}Au mechanism, 22:50610
  - Resonance (n,γ) spectra in W isotopes, 23:34778 (ANL-7282, pp 459-72)
  - Resonance neutron capture in ^{181}Ta(n,γ)^{182}Ta, 23:37229
  - Resonant and nonresonant capture of slow neutrons in ^{169}Tm(n,γ)^{170}Tm, 22:53206
- LONERGAN, J. A. Current monitor for low intensity pulsed electron beams, 25:404
  - Electron shielding studies, 24:51763 (N-70-28160)
  - Electron straggling measurements for Be, Al, and Au at 4.0 and 8.0 MeV, 24:19716
  - Energy and angular distribution of electrons transmitted through tin, 23:36774
  - Gamma-ray shielding studies in Al at 10 MeV, 21:37542
  - Gamma-ray shielding studies with monoenergetic gamma rays from positron annihilation, 22:44202
  - Mean lives of some states in ^{10}B, 22:13944
  - Measurement of thick target bremsstrahlung from tin at 4.0 and 8.0 MeV, 24:6602
  - Parametric model for efficiently calculating air transport of radiation, 25:40757
  - Transport of electrons through thick targets, 21:37520
- LONERGAN, James Arthur Properties of excited states in light nuclei using ^{3}He-induced reactions, 21:2649
- LONG, A. B. Non-perturbing fission counter for use in plate-type critical assemblies, 25:4353
  - Plutonium inhalation: the burden of negligible consequence, 25:42508
  - Procedure for determining the parameters from a fission fragment energy spectrum, 22:47347
  - Reaction rate distributions and control rod worths in the FTR-3 critical assembly, 25:41521
  - Times of emission of K x rays from ^{252}Cf fission fragments, 24:30830
- LONG, A. R. Lifetime of excitations in superconducting Al, 23:42201
- LONG, Alexander Blaikie Times of emission of K from ^{252}Cf fission fragments of known mass, 24:30839
- LONG, C. NMR of ^{31}P in antiferromagnetic state of metallic UP, 23:51810
- LONG, C. E. Charge distribution of the energetic very heavy nuclei in the primary cosmic radiation, 21:37188 (CONF-670628-7)
- LONG, C. L. Solder splatter caused by outgassing holes in printed wiring boards, 25:54345 (BDX-613-505)
- LONG, Charles H. Deuterium-oxide dilution as a predictor of body composition, 23:22205
- LONG, Chris Theory of magnetic-moment-jump phase transition with application to UP, 25:17300
- LONG, Christopher Eugene Temperature dependent electrostatic interactions between magnetic ions in uranium monophosphide, 25:59189
- LONG, D. D. Isobaric analog states in heavy nuclei. V, 22:18256
  - Spin and parity in ^{77}As, 25:53686
- LONG, D. M. New radiation-hard MOS transistor, 22:12742
  - Prog. rpt. on radiation effects on insulated gate field effect integrated circuits, 4—6/66, 21:1954 (AD-641164)
  - Radiation effects large signal equivalent circuit for MOS transistors, 22:12731
  - Transient response of MOS transistors and integrated circuits to ionizing radiation, 21:1702
- LONG, Dale Donald Isobaric-spin analogue resonances in ^{90}Zr from proton inelastic scattering, 22:5808
- LONG, Daniel R. Electron-impact ionization of He(2s^{3}S), 24:17690
- LONG, E. Reactor electrical equipment, 21:26031
- LONG, E. C. Digital filtering and spectral comparison using fast Fourier transform, 24:48001 (CTC-44)
  - FFT-W: program for fast Fourier transform band-pass filtering of large amounts of data, 25:18278 (CTC-45)
  - Reduced gamma-ray transition probabilities in ^{239}Pu, 23:37239
- LONG, E. L. Jr. BeO—graphite in-reactor compatibility at 1500°C and resulting ^{6}Li distribution, 22:11092
  - Compatibility of (U,Th)O_2 with graphite during irradiation, 24:44822
  - Examination of UN-fueled pins, 24:33320
  - Fabrication of rebuilt BONUS reactor superheater fuel assembly, 21:31946 (ORNL-4072)
  - Failure of aluminum tubing in the ORNL 86-inch cyclotron, 25:59643 (ORNL-TM-3523)
  - Fission product release from overheated HTGR fuel, 23:17234 (ORNL-TM-2388)
  - Fuel cladding/chemical interactions as applied to GCBR fuel rods, 25:32801
  - Fuel migration in pyrocarbon-coated particles, 24:8183 (ORNL-TM-2717)
  - Fuel migration into coatings of pyrolytic-carbon-coated UO_2 and UC_2 particles, 21:36946
  - Fuel-cladding chemical interactions in low-density (U,Pu)O_2 fuel pins, 25:40138
  - Gas-cooled fast breeder reactor fuel-element development, 24:50120 (CONF-700401-, pp 864-78)
  - High-neutron fluence damage in an aluminum alloy, 24:25759
  - Irradiation experiment to study compatibility of BeO with graphite at 1500°C. II, 21:46028 (ORNL-TM-1799)
  - Irradiation performance of (U,Th)O_2 coated fuels for HTGR's, 24:30052 (CONF-700502-, pp 567-84)
  - Irradiation performance of pyrolytic-carbon- and silicon-carbide-coated fuel particles, 24:43866
  - Irradiation test of beds of pyrolytic—carbon-coated sol—gel oxide particles, 23:8341 (ORNL-TM-2278)
  - Irradiation testing of candiate fuel rods for the GCFR, 21:38486
  - Irradiation tests of fuel rods containing UO_2 and (U,Pu)O_2 for GCFR, 24:10207
  - Observations of fuel-cladding chemical interactions as applied to GCBR fuel rods, 25:44123 (ORNL-TM-3385)
  - Performance of bonded beds of coated fuel particles during irradiation, 25:40132 (ORNL-TM-3361)
  - Performance of pyrolytic carbon-coated uranium oxide particles during irradiation at high temperature, 21:22921
  - Performance of pyrolytic-carbon-coated sol—gel UO_2 microspheres in high-burnup irradiation tests, 21:36945
  - Performance of pyrolytic-carbon-coated UO_2 and UC_2 microspheres at high burnup, 24:7354
  - Performance of three sealed (U,Pu)O_2 GCFR fuel pins, 24:33312
  - Postirradiation examination of failed HFIR target elements, 22:4829
  - Thermal performance and restructuring of pellet and sphere-pac fuels, 25:5992
  - Unusual weld cracking problem in Inconel, 23:976
- LONG, Everett Gas cooled nuclear reactors, 25:28831
  - Nuclear reactor control rod winding arrangements, 22:14363
  - Nuclear reactor fuelling arrangements, 22:3950
  - Nuclear reactor reactivity control arrangements, 22:3947
  - Nuclear reactors, 21:5651
  - Nuclear reactors, 24:47872
  - Nuclear reactors, 24:47981
- LONG, Everrett Nuclear reactor reactivity control arrangements, 22:3949
- LONG, F. A. Decarboxylation of aromatic acids in acidic aqueous solutions, 23:15839
  - Decarboxylation of azulene-1-carboxylic acid. II, 23:31337
  - Hydrogen exchange of azulenes. VI, 21:17628
  - Hydrogen exchange of azulenes. VII, 21:17631
  - Prog. rpt. on mechanisms of acid-base catalysis and studies in deuterium oxide as solvent, annual, 1—12/69, 24:13681 (NYO-1725-36)
  - Prog. rpt. on mechanisms of acid-base catalysis and studies in deuterium oxide as solvent, annual, 1—12/70, 25:15578 (NYO-1725-39)
  - Proton transfer from cyanocarbon acids. II. General-base-catalyzed detritiation and bromination of malononitriles. Rates of the reverse reactions, 25:41798
  - Proton transfer from cyanocarbon acids. III. Primary and solvent kinetic isotope effects in the ionization of malononitriles, 25:41799
  - Protonation of nitroalkane anions by acetic acid in mixed H_2O—D_2O solvents, 22:12325
- LONG, Frank Charles Fuel handling systems associated with a nuclear reactor, 23:11369
  - Nuclear reactor fuel handling arrangements, 24:9168
- LONG, G. Bit and byte vector operations and an introduction to STARTRAN, 25:51345 (UCID-30005)
  - Evacuable glove-box for handling of liquid sodium, and apparatus for analysis of carbon in sodium and other metals, 25:13185 (AERE-R-6338)
  - Kinetics and mechanism of the oxidation of Zircaloy-2 at 350 to 500°C, 22:17076
  - Stability of uranium trifluoride, 23:49768 (ORNL-TM-2065(Pt.1))
  - Stability of uranium trifluoride. II, 24:184 (ORNL-TM-2065(Pt.2))
  - Use of molten uranium chloride—alkali chloride mixtures as reactor fuels, 23:38045
- LONG, Gordon Alfred Ignition of fuel droplets in hot stagnant gases, 22:3992 (UCRL-17811)
- LONG, H. Measurement of neutron spectrum at beam hole of FRJ-1 reactor in energy range from 10 keV to 10 MeV, 25:20798
  - Use of an on-line reactivity computer to calibrate control rods at power, 21:44832 (GA-8104)
- LONG, H. A. HTGR power plant control using manual, automatic, and digital computer control, 23:13446 (GAMD-8734)
  - Peach Bottom control performance and dynamic behavior, 23:9095 (GAMD-7900)
  - Use of an on-line reactivity computer to calibrate control rods at power, 21:35624
- LONG, H. M. Design features of ac superconducting cables, 25:14226
  - Engineering design studies on the superconducting magnet system of a Tokamak fusion reactor, 25:38507 (CONF-710607-133)
- LONG, Ha Duc Spectroscopy of nucleus N = 82 with aid of reactions (p,d) and (p,t) at 24.55 MeV, 24:3918 (CEA-CONF-1325)
- LONG, Hugh Zero resistance, 22:37237
- LONG, I. F. Measurement of soil moisture in the field by neutron moderation, 21:36120
- LONG, J. Analysis of variation in EBR-II power coefficient due to blanket change, 22:32848
- LONG, J. D. Thermionic double-diode fueled converter, 22:7888
- LONG, J. E. Space radiation effects in scintillating material, 25:21506
- LONG, J. J. Comparisons of calculated and measured neutron dose rates inside steel compartments exposed to the radiation field of a reactor, 21:7308
- LONG, J. K. Analysis of static power coefficient of EBR-II with reduced coolant flow, 23:11187
  - Documentation of criticality data for EBR-II with a stainless steel radial reflector. EBR-II Project, 24:50085 (ANL-7541)
  - EBR-II codes for processing reactivity data at full and reduced coolant flows. EBR-II Project, 25:8054 (ANL-EBR-20)
  - EBR-II power coefficient variations during operational run 26, 22:32847
  - Effect of reduced flow conditions on the power coefficient of EBR-II, 22:32846
  - Effect of the stainless-steel reflector on the power coefficient of EBR-II, 22:5937
  - Effects of over-cooled stainless steel reflector on EBR-II power coefficient, 23:40330 (ANL-7544)
  - FFTF critical experiments: control-rod studies on ZPR-3, 21:38689
  - Performance of the EBR-II reactor, 24:33357
  - Prompt feedback reactivity in EBR-II, 24:7093
  - Recent operating experience with EBR-II, 24:22421
  - US experimental programme for fast reactor physics, 22:18515
  - ZPR-3 assemblies 48: 48A, and 48B: the study of a dilute plutonium-fueled assembly and its variants, 25:28752 (ANL-7759)
  - ZPR-3 Assembly 48: studies of a dilute Pu-fueled assembly, 21:35675 (ANL-7320, pp 205-14)
- LONG, J. L. Electrorefining of plutonium, 21:476
  - Molten salt extraction of americium from plutonium metal, 23:38044
  - Radiation produced aggregation in ribonuclease, lysozyme, and trypsin, 24:11968
- LONG, J. R. Phonon drag effects in tungsten below 2.6°K, 22:3185
  - Prog. rpt. on solid state bonding techniques, 1/67, 21:36801 (HA-2322)
  - Prog. rpt. on solid state bonding techniques, 2/67, 21:36802 (HA-2327)
- LONG, J. S. Characterization of coatings: physical techniques. I, 24:12495
- LONG, J. V. P. Production of fine ion beams, 24:44355
- LONG, J. W. Formation and breakup of the pinch in plasma focus, 22:1185 (LA-3770, Paper C5)
- LONG, Jack L. Improved resistance furnaces for molten salt extraction process, 24:46394 (RFP-1513)
  - Plutonium electrorefining, 21:24732 (RFP-871)
  - Recovery of Am from Pu, 23:40845
- LONG, James R. Output power characteristics of thermionic converter arrays under partial failure conditions, 21:29076 (UCRL-70282)
  - Prog. rpt. on solid state bonding technique, final, 6/66—5/67, 21:39557 (HA-2338)
- LONG, Jerome R. Lattice conductivity, Lorenz numbers, and Nernst—Ettingshausen effect in tungsten at liquid-helium temperatures, 25:25256
  - Predicting the galvanomagnetic coefficients of tungsten from Fermi-surface data, 25:17305
- LONG, John K. Effect of a metallurgical phase change in fuel on the power coefficient of EBR-II, 25:54062
- LONG, Justin T. Engineering for nuclear fuel reprocessing, 23:414
- LONG, L. C. Refractories in a reactive atmosphere, 21:43654 (AD-651435)
- LONG, Leland Timothy Transmission and attenuation of primary seismic wave, 23:15987
- LONG, M. Jr. Magneto-elastic interactions in gadolinium, 23:23274
- LONG, Mervyn A. Properties of trapped H and D atoms, 24:18964
- LONG, P. L. Resistance to Eimeria infections in chicken, 25:21599
- LONG, R. J. Radio spectra of sources in fourth Cambridge catalogue, 21:20714
  - Radio studies of sources in 4C Catalogue, 22:8906
- LONG, R. L. Measurements of physics characteristics of fast pulsed reactor, VIPER, 22:35642
  - University-industry cooperative teaching laboratory in nuclear engineering, 24:7060
  - VIPER, a versatile pulsed reactor using Doppler and expansion shutdown, 22:6106
- LONG, Robert E. Jr. Solvent extraction process for separating gadolinium from terbium and dysprosium, 25:48585
  - Use of organophosphorus compounds in separation of the rare earths, 25:206 (CONF-700403-(Vol.2), pp 802-13)
- LONG, Robert L. Applications of nuclear energy for humanities students, 24:7083
  - Fast burst reactor operating procedures, 23:28573
  - Reactivity contributions in the glory hole of the Sandia Pulsed Reactor II, 22:33073
  - Reactivity contributions in the glory hole of Sandia Pulsed Reactor II, 22:42366 (SC-CR-68-3571)
  - Reactivity contributions in the glory hole of the Sandia pulsed reactor II, 23:9206
  - Reflector and decoupling experiments with fast burst reactors, 24:11245 (CONF-690102-, pp 323-51)
  - Repair of thermal sleeve and primary coolant pipe at Indian Point Unit No. 1, 25:50898
  - Survey of fast burst reactor operating procedures, 24:11242 (CONF-690102-, pp 289-301)
- LONG, Robert L. Jr. Electron-impact excitation of H Lyman-α radiation, 23:3297
- LONG, Roger A. Exothermic brazing of refractory metals, 21:9116
- LONG, Thomas Veach Laser Raman and infared spectra of amino acids and their metal complexes. III. Proline and bisprolinato complexes, 25:2190
- LONG, W. Sodium technology at the REL, 21:23638
- LONG, W. B. Miniature neutron detector, 23:6286 (SCL-DC-68-27)

- LONG, W. D. Jr. PLASTIC-SASS: FORTRAN IV computer program for stresses and deflections in a reactor subassembly, 21:15787 (WAPD-TM-312(Add.1))
- LONG, W. F. Chiral-dynamics calculations of single-pion production in pion-nucleon inelastic scattering, 24:35654
  - Monte Carlo method for multi-particle production processes, 25:12134
- LONG, W. G. S8DR actuator, 22:16250 (NAA-SR-12605)
- LONG, W. H. Fuel handling experience at Calder Hall, 24:52774
- LONG, W. M. Isostatic hot-pressing, 23:30171
- LONG, William Frederick Chiral dynamics calculations of single pion production in pion—nucleon inelastic scattering, 24:49517
- LONG, William H. Aircraft nuclear propulsion system, 25:20810
- LONGACRE, R. Comparison of phase-shift analysis solutions to π^-p scattering data, 23:32750
- LONGAIR, M. S. Angular diameter—redshift test of cosmological models, 24:6334
  - Diffusion of relativistic electrons from infrared sources and their x-ray emission, 25:24784
  - Evidence on the isotropy of faint radio sources, 22:8872
  - Evolution of radio sources at large redshifts, 24:23719
  - Evolutionary cosmologies, 23:14579
  - Fluctuations in the microwave background radiation, 23:41899
  - Gamma-ray emission from the galactic center, 24:19670
  - Interpretation of radio source counts, 21:1989
  - Luminosity—volume test for quasi-stellar objects, 25:11664
  - Origin of cosmic rays and the x-ray background, 25:861
  - Origin of the background x radiation, 23:51349
  - Origin of the x-ray background, 24:3206
  - Possible method for investigating the evolution of radio galaxies, 21:43720
  - Quasi-stellar radio sources, 21:41742
  - Quasi-stellar radio sources, 21:43707
  - Radio emission from Markarian galaxies, 25:7110
  - Red-shift magnitude relation for quasi-stellar objects, 21:41734
  - Structure of radio sources in the 3C catalogue. IV, 24:8269
- LONGAKER, W. H. HFIR homogeneity scanner, production model, operating and maintenance manual, 21:12696 (ORNL-TM-1687)
- LONGENECKER, B. M. Measurement of graft-versus-host reactions on the chorioallantoic membrane of the chicken, 24:31869
- LONGENECKER, Bryan M. Effects of irradiation on plasma proteins and leukocytes, 23:35878
- LONGEQUENE, J. P. ^{6}Li(α,2α) reaction as a test of the existence of α particles in ^{6}Li, 25:43803
- LONGEQUEUE, J. P. Application of theory of complex energy resonances to the study of the reaction ^{6}Li(d,α)^{4}He, 23:15374
  - Excited levels of ^{13}N, 24:47571
  - Excited levels of ^{32}S obtained by reactions ^{31}P(p,α_0) and ^{31}P(p,p), 22:20516
  - Levels of ^{8}Be produced by reaction ^{10}B(d,$\alpha\alpha$)α from 0.6 to 2 MeV, 23:25833
  - Spectroscopy of ^{62}Zn by ^{64}Zn(p,t) reaction, 25:17836
  - Study of levels in ^{8}Be obtained by reaction ^{10}B(d,$\alpha\alpha$)α at 0.6 to 2 MeV, 22:9789
  - Study of reactions ^{6}Li(d,α), (d,p_0), and (d,p_1) and ^{10}B(d,α_0), (d,α_1) at low energy, 21:25446
  - T = $^3/_2$ states in (p,t) and (p,^{3}He) reactions on ^{35}Cl and ^{37}Cl, 25:17753
  - Three-body reaction ^{11}B(p,$\alpha\alpha$)α from 150 keV to 2 MeV, 22:20460
  - Three-body reaction ^{11}B(p,$\alpha\alpha$)α from 150 keV to 2 MeV, 23:25832
- LONGEQUEUE, Jean-Pierre Decay of ^{12}C* into 3α by the reaction ^{10}B(d,$\alpha\alpha$)α, 21:31721
  - Study of reaction ^{6}Li(^{3}He,p$\alpha\alpha$) below 2 MeV, 22:35219
- LONGEQUEUE, N. Analysis of ^{35} ^{37}Cl(p,t) and (p,^{3}He) reactions, 25:17788
  - Direct reaction mechanism in ^{11}B(p,α) reaction, 25:38891
  - Excited levels of ^{32}S obtained by reactions ^{31}P(p,α_0) and ^{31}P(p,p), 22:20516
  - Interaction mechanism in the ^{11}B(p,α)^{8}Be(0$^+$) reaction, 25:17752
  - Mechanism of ^{9}Be(p,p)^{9}Be and ^{9}Be(p,α_0)^{6}Li reactions at low energy, 25:17765
  - Mechanism of reactions ^{6}Li(α,d)^{8}Be and ^{6}Li(α,p)^{9}Be, 25:17743
  - Mechanisms of nuclear ^{9}Be(p,p)^{9}Be and ^{9}Be(p,α_0)^{6}Li at low energies, 24:38097 (CEA-CONF-1499)
  - Spectroscopy of ^{62}Zn by ^{64}Zn(p,t) reaction, 25:17836
  - Stripping and compound-nucleus interference in reaction ^{16}O(d,p_1) (E/sub d/ < 1.2 MeV), 22:20464
  - Study of reactions ^{6}Li(d,α), (d,p_0), and (d,p_1) and ^{10}B(d,α_0), (d,α_1) at low energy, 21:25446
  - T = $^3/_2$ states in (p,t) and (p,^{3}He) reactions on ^{35}Cl and ^{37}Cl, 25:17753
- LONGEST, A. W. Fission gas release experiment with a UO_2 fuel element, 21:23726 (ORNL-TM-926)
  - Fission gas release measurements from fast breeder (U,Pu)O_2 fuel, 25:6015
  - Fuel element development for the gas-cooled breeder reactor, 25:41431
  - Irradiation test of beds of pyrolytic—carbon-coated sol—gel oxide particles, 23:8341 (ORNL-TM-2278)
  - Irradiation testing of fast breeder reactor (U,Pu)O_2 fuels, 25:32854
  - Performance of pyrolytic-carbon-coated sol—gel UO_2 microspheres in high-burnup irradiation tests, 21:36945
  - Performance of pyrolytic-carbon-coated UO_2 and UC_2 microspheres at high burnup, 24:7354
  - Planned thermal irradiation of manifolded—vented (U,Pu)O_2-fueled rod in ORR capsule P-9, 24:26771 (GA-9896)
- LONGHETTO, A. Testing of activated-C filters, 23:26014
- LONGHI, A. Treatment of radiation-induced cutaneous lesions, 25:29706
- LONGHI, G. Algebraic realization of families of indefinitely rising trajectories, 23:39849
  - Anomalous magnetic moments of nucleons, 23:25567
  - Approximate saturation of the algebra of axial currents, 21:19034
  - Families of indefinitely rising trajectories and Gell-Mann's program, 25:25491
  - Indefinitely rising trajectories and Gell-Mann's program, 23:39848
  - Mixing scheme for chiral and collinear algebras, 21:19033
  - Nonlocal infinite-component wave equation with a physical mass spectrum, 25:7708
  - Spectral-function sum rules for tensor currents, 23:3727
  - SU(6)W algebra and the commutators of electric dipoles at infinite momentum, 21:15377
  - Theoretical calculations for electron—positron colliding-beam reactions, 21:11752
  - Theoretical calculations on the reactions in the collisions of electron and positron beams, 22:11622
  - Vector and axial N—N* vertices, 23:34610
- LONGHURST, Gerald E. Effect of low level x radiation on the antigenicity of Escherichia coli, 24:42035
- LONGHURST, T. H. Choice of bath materials for the inert gas fusion method for the determination of oxygen in metals, 25:8194 (AECL-3743)
- LONGHURST, W. M. Cesium-137 accumulation in 3 subpopulations of Columbian Black-tailed deer (Odocoileus hemionus columbianus), 25:6665 (UCD-472-117, pp 112-13)
  - Material-fetal transfer of ^{137}Cs and ^{131}I, 24:23071 (CONF-690501-, pp 117-20)
  - Strontium-85 translocation in plants, 21:22314
- LONGHURST, William M. Prog. rpt. on ^{90}Sr and ^{137}Cs food chain relationships to deer and sheep, annual, 6/66—6/67, 22:6774 (UCD-34-P-104-8)
  - Prog. rpt. on ^{90}Sr and ^{137}Cs food chain relationships to deer and sheep, 6/15/67—6/16/68, 23:2826 (UCD-34-P-104-12)
- LONG II, Thomas Veach Resonance phosphorescence, Raman scattering, and decomposition of hexaamminechromium(III) salts utilizing He—Ne laser excitation, 25:18404
- LONGIN, R. New method of collagen extraction for radiocarbon dating, 25:37312
- LONGINELLI, A. Oxygen-18 variations in sulfate ions in sea water and saline lakes, 21:19777
- LONGINOTTI, L. D. Instabilities of high-temperature superconductors, 25:14174
  - Materials for generation of very low temperatures by adiabatic cooling, 25:47623
  - Superconductivity at 20°K, 21:27092
  - Superconductivity: the transition temperature peak below four electrons per atom, 24:51586
- LONGINOV, A. V. Excitation of the fast magnetoacoustic wave in the stellarator plasma, 22:7275 (MATT-Trans-43)
  - Heating of plasma by fast, large-amplitude, magnetosonic wave, 22:44073 (NP-17551)
  - Investigation of heating of a plasma by a fast large amplitude magnetoacoustic wave, 22:46118
  - Plasma heating by a fast magnetosonic wave of large amplitude, 22:11410
  - Research on high-frequency heating of a plasma, 25:38391 (CONF-710607-143)
- LONGINOV, V. D. Scanning—measuring table for handling films from bubble chambers and oscillograms, 24:44314 (IFVE-SEF-69-32)
- LONGINOW, A. Shelter options for fallout and blast protection, 21:36574 (IITRI-M-6101)
- LONGLEY, H. J. Compton current in presence of fields for LEMP 1, 24:42552 (LA-4348)
  - Development and testing of LEMP 1, 24:33812 (LA-4346)
- LONGMIRE, C. L. Development and testing of LEMP 1, 24:33812 (LA-4346)
- LONGMIRE, Conrad Scattering of gamma rays in an exponential atmosphere, 22:38875 (LA-3944)
- LONGMIRE, Martin S. Energy dependence of 4610- and 4765-A lines of Ar$^+$ excited in low-energy He$^+$ + Ar collisions, 24:32659
- LONGMIRE, Robert Deoxyribonucleic acid repair replication of UV irradiated leukocytes, 23:35842
- LONGNECKER, A. Ultraviolet laser excitation for ultra sensitive photoluminescent dosimetry, 21:1656
- LONGNECKER, A. A. Uv laser excitation for ultrasensitive photoluminescent dosimetry, 21:26211 (ANL-7220, pp 27-9)
- LONGNECKER, Daniel S. Prophylactic use of radioactive gold in the treatment of primary ovarian cancer, 21:8858
- LONGO, F. Problem of radioprotection. I, 23:50566
- LONGO, G. Coulomb interaction in fast proton radiative capture, 24:43517
  - Different contributions of direct and collective capture in (p,γ) and (n,γ) reactions, 24:38285
  - Fast neutron radiative capture, 23:25943 (RT/FI-(68)55)
  - Gamma-ray spectra following capture of 14 MeV neutrons by ^{59}Co, ^{93}Nb, and ^{103}Rh, 25:56729
  - Hystoenzymatic and ultrastructural modifications of colloidal ^{198}Au on hepatic cells of rats, 22:33957
  - Interference between collective and direct nucleon radiative capture, 22:42132
  - Neutron multiple scattering in a slab, 24:1728
  - Quadrupole direct capture, 23:25942 (RT/FI-(68)50)
  - Quadrupole direct capture, 23:32970
  - Quantal approach to the problem of neutron multiple scattering in a slab, 23:19122 (RT/FI-(68)40)
  - Radiative capture for intermediate-energy neutrons, 23:23780
  - Radiative capture of nucleons in the giant resonance region, 24:47609
  - Spin—orbit interaction in the collective and direct nucleon radiative capture, 22:9977
- LONGO, J. Jr. Optimization method of reactor sizing which accounts for system and technological constraints, 22:39869
- LONGO, J. M. Structural study of $MnYb_2S_4$, 23:27191
- LONGO, J. T. High-field galvanomagnetic properties of $AuAl_2$, $AuGa_2$, and $AuIn_2$, 23:44556
- LONGO, M. J. Experience with a static magnetostrictive readout system for wire chambers, 25:49001
  - Experimental test of time-reversal invariance in the photodisintegration of the deuteron, 24:1507 (UCRL-19350)
  - Isospin invariance in reaction $n + p \rightarrow \pi^0 + d$, 25:30730
  - Isospin invariance in reaction $np \rightarrow \pi^0 d$, 25:59268
  - n—p and n—nucleus total cross-sections in momentum range 10 to 30 GeV/c, 25:47734
  - Neutron total cross sections on protons and nuclei in 10 to 30 GeV/c momentum range, 25:56421
  - Neutron—nuclei total cross sections at 27 GeV/c, 22:44619
  - Neutron—nucleus total cross sections at 5.7 GeV/c, 24:15474
  - Neutron—proton and neutron—deuteron total cross sections at 4.0 and 5.7 GeV/c, 24:15473
- LONGO, Michael J. Comparison of high-energy neutron—proton and proton—proton elastic scattering, 22:44454
  - Experimental determination of Rexi from K/sub $\mu 3/^0$ decay, 22:39243
  - Experimental evidence against the existence of strange leptons, 22:39244
  - Large-angle neutron—proton elastic scattering from 3.0 to 6.8 GeV/c, 22:44325
  - Muon polarization in K/sub $\mu 3/^0$ decay, 23:36826
  - Muon polarization in neutral-kaon (3) decay, 23:25499 (AD-677064)
  - Neutron total cross sections on protons and nuclei in the 30 GeV/c momentum range, 25:50060 (PURC-4159-36)
  - Neutron—proton and neutron—deuteron total cross sections from 14 to 27 GeV/c, 22:17861
  - Neutron—proton charge-exchange scattering from 8 to 28 GeV/c, 25:50059 (PURC-4159-35)
  - Neutron—proton elastic scattering from 8 to 30 GeV/c, 24:10667
  - Neutron—proton elastic scattering from 2 to 7 GeV/c, 24:37626
  - Neutron—proton elastic scattering from 5 to 30 GeV/c, 25:40874
  - Polarization parameter in elastic proton—proton scattering from 0.75 to 2.84 GeV, 21:35258 (AD-650156)
  - Polarization parameter in elastic proton—proton scattering from 0.75 to 2.84 GeV, 21:44269
  - Recent experimental results on n—p scattering from 6 to 30 GeV/c, 22:39248 (CERN-68-7(Vol.1), pp 523-36)
  - Test of time-reversal invariance in K/sub $\mu/_3{}^0$ decay, 21:27297
- LONGO, R. Comparison of techniques for obtaining the vertex view in brain scanning, 24:44566
- LONGO, Rosemary Evaluation of ^{169}Yb—DTPA as brain-scanning agent, 24:12179
- LONGO, S. A. Equivalence between Noether's and geometric generators, 24:45506
- LONGO, Salvador E. Enhancement of melanoma cell culture growth rate by ruby laser radiation, 23:22352
- LONGO, Stephen A. New improved generator applied to conformal Lagrangians, 25:43677
- LONGO, W. P. Work softening in polycrystalline metals, 25:2724
- LONGOOD, Robert J. Radiation accidents, 21:12866
- LONGREE, J. Ionization and dissociation of ethane by electron impact. Mass spectra and exchange phenomena in C_2H_6, C_2H_5D, CH_3CD_3, and C_2D_6, 21:5920
- LONGRIDGE, J. L. Hydrogen exchange of azulenes. VII, 21:17631
- LONGSDERFF, R. W. Prog. rpt. on advanced heat pipe thermionic technology, 5/1/68—2/28/69, 23:24347 (NYO-3979-1)
  - Prog. rpt. on advanced heat pipe thermionic technology, final 5/68—9/69, 24:31534 (NYO-3979-3)
- LONGSHORE, R. E. Electron irradiation of single crystals of aluminum, 23:12983
- LONGSHORE, Randolph Earl Electron irradiation and isochronal annealing of single crystals of aluminum at low temperatures, 23:12971
- LONGSON, B. Effect of exposure to Na on mechanical properties and structure of some ferritic, austenitic, and high Ni alloys, 24:51154 (TRG-Report-1909)
  - Solubility of carbon in sodium, 25:10579
  - Solubility of carbon in sodium, 25:19196 (TRG-Report-1906)
  - Wetting behavior of some alloys based on Fe, Ni, and Cr in liquid Na, 21:43599
- LONGSTAFF, B. Development of graphite (HX30) with improved gas diffusional characteristics, 22:45822
  - Development of HX30 graphite, 24:41006 (DP-Report-348)
  - Properties of fine-grained graphites, 24:42205 (NP-10479)
- LONGSTAFF, Brian Improvements in or relating to graphite, 21:45987
- LONGSTAFF, R. M. Gamma irradiation as industrial process, 25:55363
  - Radioisotopes in food processing. I, 22:12665
  - Radioisotopes in food processing. II, 22:16782
- LONGSTAFF, T. N. Development of a specification for heat exchanger plant to suit a gas turbine htr, 25:20776
- LONGUEMARE, C. Short-range correlations, 25:56824 (LYCEN-7104, C4.1-17)
- LONGUEVILLE, J. Effects of cytotoxins and x rays on bone marrow of rats, 24:34710
- LONGWELL, Bernard B. Excretion of urinary steroids by beagle dogs burdened with ^{90}Sr, 24:14425

LONGWORTH, G. Isotope effects in Moessbauer spectroscopy. II, 24:35583
  Lattice spacings, magnetic susceptibilities and ^{151}Eu Moessbauer spectra of some Pd—Eu alloys, 25:25258
  Self-inversion of gamma lines, 23:3616
  Temperature dependence of the magnetization of an amorphous ferromagnet. research and development report no. 53, 22:15553 (CALT-221-38)
  Temperature dependence of the magnetization of an amorphous ferromagnet, 22:31958
LONGWORTH, J. P. Delta spectrometer results on water reactor shields, 25:55043 (RD/B/N-2034)
  DOSPEC: CEGB usercode program for analyzing data from four-detector dose spectrometer, 24:27434 (RD/B/N-1611)
  MIMUSA: a FORTRAN IV subroutine for unfolding spectra. II, 25:55042 (RD/B/N-1963)
  Neutron flux spectrometer with nearly constant sensitivity over energy range thermal to 14 MeV, 24:33918 (RD/B/N-1416)
  NFLO: FORTRAN IV subroutine for analyzing thermoluminescent detector data, 24:50635 (RD/B/N-1677)
LONGWORTH, J. W. Ultraviolet-induced excited states in deoxyribonucleic acid, 22:12823
LONGWORTH, T. C. GEM 4 code, 22:20931 (AHSB(S)R-146)
LONI, M. C. Action of AET on metabolism of human tumoral cells in culture (HeLa), 22:33874
LO NIGRO, S. Angular distributions in fission of uranium by neutrons, 25:17949
  Angular distributions of fragments from neutron-induced fission of thorium, 21:23488
  Fission of ^{238}U induced by neutrons at energies near threshold, 25:20393
  Fragments from ^{235}U(n,f), 24:49908
  Photofission cross-section of Bi and Pb between 300 and 1000 MeV, 25:53806
  Photofission of Tl, Hg, and Au up to 1000 MeV, 25:50737
LONINA, N. A. Test of the utilization of dilute emulsions with reduced shrinkage coefficient, 21:22149
LONNGREN, K. Dispersion of ion—acoustic waves, 22:1216
  Excitation of pseudowaves in a plasma via a grid, 22:48124
  Waves and nonlinear phenomena, 24:26271
LONNGREN, K. E. Anomalous resistivity in a steady-state, current carrying discharge tube plasma, 24:40059 (ORNL-TM-3038)
  Anomalous resistivity in a steady-state, current-carrying discharge-tube plasma, 25:7394
  Coupling of high and low frequencies in Tonks—Dattner resonances, 22:29487
  Coupling of waves in a hot inhomogeneous anisotropic electron plasma, 21:11643
  Ion acoustic wave excitation and ion sheath evolution, 24:49205
  Ion wave reflections as observed in a perturbed plasma, 22:41591
  Longitudinal waves in a hot nonuniform plasma, 21:16908
  Mechanism causing nonlinear behavior in Tonks—Dattner resonance experiments, 25:43411
  Nonlinear effect in beam—plasma type interactions, 24:1420
  Nonlinear effect of altering the zeroth order density distribution of a plasma, 22:3095
  Nonlinear excitation of propagating surface waves on a plasma column, 22:24293
  Parametric excitation of low frequencies in a bounded plasma, 24:28346
  Prog. rpt. on wave coupling in electron plasma, 6—11/65, 21:757 (AD-631844)
  Propagating electron plasma waves in Tonks—Dattner resonances, 24:1464
  Propagation of ion—acoustic waves in a plasma subject to an ambipolar drift, 23:32528
  Radiation characteristics of an antenna in a plasma, 24:26170
  Radiation characteristics of longitudinal waves from an antenna in a plasma, 24:32823
  Reflection and absorption of electrostatic waves in an inhomogeneous plasma, 25:3153
  Reflection of pseudowaves, 25:9531
  Subharmonic generation in Tonks—Dattner resonances, 23:25398
  Time-of-flight study of waves guided by a plasma column, 25:19746
  Time-of-flight study of waves guided by a plasma column, 25:25184
LONNGREN, Karl Dispersion of ion—acoustic waves, 24:8501
  Transient plasma sheath: discovered by ion—acoustic waves, 23:18634
LONNQUIST, J. H. Mass selection and thermal neutron irradiation on genetic variances in a variety of corn, 21:12814
LONSDALE, H. K. Prog. rpt. on advanced graphite fuel systems, annual, 4/64—3/65, 23:18256 (GA-6233)
  Structural dependence of the tracer-level diffusion of thorium in pyrolytic carbons, 21:41674
LONSDALE, M. D. Preparation of /sup 113m/In- and - /sup 99m/Tc-labelled albumin macroaggregates, 25:21531
LONSKII, E. S. Forces of interaction of an electromagnetic wave with a plasmoid, 22:9323
LONTZ, R. J. Electron spin resonance of γ-irradiated crystals of bromoacetic acid, 21:12471
LONTZ II, J. F. Use of lithium fluoride thermoluminescent dosimeters with high energy electron beams, 21:1652
  Use of lithium fluoride thermoluminescent dosimeters to measure the dose distribution of 15-MeV electron beam, 21:34496
LOO, Billy W. Use of image intensifiers with streamer chambers, 22:4479
LOOBY, P. C. Chromosome aberrations induced in human peripheral blood, 24:34244
LOOBY, Patricia C. Further studies on chromosome aberration production after whole-body irradiation in man, 25:46776
LOOK, Bonne C. Biosatellite II experiment environment, 22:49652
LOOK, D. C. Nuclear magnetic resonance investigation of the metal-to-semiconductor transition in crystalline CdO, 25:12038
  Nuclear spin-lattice relaxation measurements by tone-burst modulation, 22:25693
  Pulsed NMR by tone-burst generation, 23:23267
  Temperature dependence of nuclear spin—lattice relaxation in single-crystal cadmium sulfide, 22:26530
LOOMAN, B. Study of the operation of a flute plasma, 21:37501 (EUR-2530.f)
LOOMER, E. I. Effect of solar cycle on magnetic activity at high latitudes, 24:10423
LOOMIS, Alden A. Strategy for exploration of terrestrial planets, 23:44148
LOOMIS, B. A. Length and electrical resistivity changes of neutron irradiated uranium, 22:52219
  Swelling of uranium on postirradiation annealing, 22:21743
  Yield stress of niobium and niobium—oxygen solid solutions, 25:6861
LOOMIS, Harold G. Brightness variations of the white-light corona during the years 1964—67, 23:39192
  Differential rotation of the solar electron corona, 24:10288
LOOMIS, Warren Tuttle Influence of molybdenum on the γ' phase formed in a systematic series of experimental nickel-base superalloys, 24:32401
LOOMIS, William F. Jr. Prog. rpt. on genetic analysis of development of slime molds, 3/71, 25:20904 (UCSD-34-P-166-X-2)
LOONEN, J. P. Coarse analysis of the helium-weak B star iota Ori B, 25:8995
LOONEY, F. D. Photochemistry of biological molecules. II, 22:36160
LOONEY, L. D. Attenuation coefficients of gases for 4.5- to 145-keV photons, 25:7141
  Attenuation of 5.9 keV photons by helium and hydrogen, 25:38525 (EGG-1183-1467)
  Attenuation of 5.9-keV photons by He and H, 24:39829
LOONEY, W. B. Effect of total dose, dose rate, and time of irradiation on synthesis of deoxyribonucleic acid, 21:8696
  Effects of local x irradiation on incorporation of thymidine-methyl-5-^{3}H and cytidine-5-^{3}H into mitochondrial and nuclear DNA of Morris hepatoma 3924A, 24:11963
  Incorporation of thymidine into mitochondrial and nuclear DNA in regenerating rat liver before and after irradiation, 21:41336
  Local and generalized effects of local radiation. I, 22:12814
  Recovery in vivo of DNA synthesis following radiation, 24:34124
LOONEY, William B. Distribution of thorium daughters in bone, 23:26669
  Effects of x-radiation on relative rates of incorporation of labelled thymidine and cytidine into mitochondrial and nuclear DNA of Morris hepatomas, 23:6400
  Effects of x-radiation on thymidine-labeled DNA, 23:20376
LOOPSTRA, B. O. Existence of delta—U_3O_8, 23:16544
  Phase transition in α-U_3O_8 at 210°C, 24:27894
  Preparation and properties of the uranates of calcium and strontium, 21:10359
  Sodium uranates: preparation and thermochemical properties, 25:57405
  Structure of β—U_3O_8, 24:39719
  Structure of some alkaline-earth metal uranates, 23:45277
LOOS, A. V. Production of high electromagnetic energies by combined work of pulse excited oscillator and condenser battery, 25:33319
LOOS, G. Absolute measurement of the angular correlation of internal bremsstrahlung from ^{90}Y, 24:15940
  Development of continuous γ pulse height distributions, 21:3301
  Evidence for a 0$^+$ level of ^{54}Fe at 2.56 MeV, 23:37183
  Gammaγ-triple correlation measurements on ^{54}Fe, 23:7274
  Internal bremsstrahlung of ^{32}P and ^{90}Y, 22:9873
  Internal bremsstrahlung of ^{32}P, ^{90}Y, and ^{90}Sr, 23:44859
  Investigation of low-lying levels in ^{54}Fe, 24:15821
  Program for the analysis of triple correlation measurements, 24:29502
  Spectra of internal bremsstrahlung from beta decay of ^{90}Y and ^{90}Sr, 21:7802
LOOS, H. G. Conditional dynamic equivalence of free Yang—Mills fields and free gravitational fields, 22:13848
  Electromagnetic part of the free Yang—Mills field, 23:3811
  Free ghost gauge fields, 22:9681
  Pade-approximant calculation of π—π scattering, 22:11723
  Prog. rpt. on toroidal plasma containment with rotating magnetic field, final, 4/66, 21:721 (AD-632379)
LOOS, Hendricus G. Canonical gauge- and Lorentz-invariant quantization of the Yang—Mills field, 24:18271
  Existence of charged states of Yang—Mills field, 25:7714
  Gauge field of a point charge, 22:13845
  Internal holonomy groups of Yang—Mills fields, 22:35075
LOOS, J. S. Interpretation of reaction K/sub L/°p $\rightarrow$ K/sub S/°p, 25:33736
  Performance of the SLAC spiral reader, 24:39350 (SLAC-PUB-765)
  Production of Σ^{+-} multibody final states in K^-p interactions, 23:18817
  Reactions $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$ at 4.07 and 5.47 GeV/c, 22:50306
  $\Sigma^+\pi^-$ and $\Sigma^{+-}\pi^{-+}\pi^+\pi^-$ final states in K^-p interactions at 4.1 and 5.5 GeV/c, 21:17042 (COO-1195-80)
LOOS, James Stavert Reactions $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$, $\Sigma^{+-}\pi^{-+}\pi^-$, and $\Sigma^{+-}\pi^{-+}K^+K^-$ at 4.1 GeV/c and 5.5 GeV/c, 23:23388
  Reactions $K^-p \rightarrow \Sigma^{+-}\pi^{-+}$, $\Sigma^{+-}\pi^{-+}\pi^+\pi^-$, and $\Sigma^{+-}\pi^{-+}K^+K^-$ at 4.1 GeV/c and 5.5 GeV/c, 22:20137 (COO-1195-116)
LOOS, L. L. Experimental test of single channel Lovelace—Wagner—Veneziano model, 24:26500
LOOS, W. Temperature variations produced by heat currents in liquid He II, 25:3006
LOOS, Wesley E. Fastening of wood—plastic combinations, 21:40737 (ORO-2945-9)
  Prog. rpt. on preparation of wood—plastic combinations using gamma radiation to induce polymerization, final, 11/61—6/68, 25:41843 (ORO-2945-10)
LOOS, Wesley Emil Modification of wood and paper properties by ^{10}B(n,α)^{7}Li initiated graft copolymerization, 21:45178
LOOSE, W. Treatment of chronic lymphatic leukemia by external irradiation, 23:20282
LOOSEMORE, W. R. Design and performance of miniature primary emission neutron activation detectors for spatial distribution measurements of neutrons in reactors, 21:19969
  Semi-automatic system for personal contamination monitoring, 24:31551
  United Kingdom research and development work in aid of future U resources, 25:51640 (A/CONF.49/P-489)
  Wide range personnel neutron dosimeter based on a proportional counter, 23:22103
LOOSEMORE, William Ronald Improvements in or relating to liquid scintillator cells, 22:23305
LOOSLI, H. H. ^{37}Ar, ^{39}Ar, and ^{81}Kr in the atmosphere and tracer studies based on these isotopes, 24:31492
  Detection of ^{39}Ar in atmospheric Ar, 23:7632
  Low-level counting and a search for cosmic-ray-produced ^{39}Ar, 22:6577
  Variations in the production of cosmogenic radionuclides, 22:6492
LOOTEN, A. Fast limiter and trigger circuit, 24:29610
  New type of fast pulse limiter with a corrector for delay, 23:747
  Power supply chains for safety and with increased dynamic range for photomultipliers, 23:29275
LOOTENS, Harold T. D-region electron density measurements during solar eclipse of 11/12/66, 24:32727 (AD-701868)
  Electron concentration profiles during sunspot maximum and minimum, 22:15428
LOOYENGA, Robert W. Ultraviolet spectrophotometric determination of tellurium, 25:54400
LOOYMANS, H. First fabrication cycle of Pu, ^{14}C irradiation samples, 24:44757 (DP-Report-404)
LOPAC, V. Phenomenological description of anharmonic quadrupole vibrations, 25:5782
  Properties of ^{119}Sb in semi-microscopic model, 24:6929
  Semi-microscopic description of even tellurium isotopes, 25:10042
  Semimicroscopic description of even Cd spectra, 21:30008
LOPAEV, V. P. Investigation of x- and.gamma-ray spectra in scintillation radiography, 25:46624
LOPATA, C. Analysis of parameters of resonances in Co and Mn induced by neutrons of energy up to 120 keV, 21:46692
  Radiative capture of resonance neutrons in platinum, 23:5880
LOPATIN, I. V. Energy spectra of electrons produced in light materials by bremsstrahlung, 22:3152
  Ionization chamber for measuring energy losses of bremsstrahlung from absorption calorimeter, 21:16182
  New type of quantometer (Gauss quantometer) for measuring bremsstrahlung beam energies, 21:14446
  Quantameter, 24:35773
  Sensitivity of a quantometer at energies from 0.6 to 1.5 GeV, 23:33482
  Use of quantameters of various types for measurement of total bremsstrahlung beam energy, 22:46687
LOPATINA, G. B. Geomagnetic disturbances and electron fluxes at boundary of outer radiation belt, 24:6447
  Radial diffusion of electrons of energy greater than 100 keV in outer radiation belt, 23:10543
  Relationship between north—south symmetry of the critical frequencies of the F2 region of the ionosphere, 23:20813
  Relationship between outer-belt electron intensity and geomagnetic activity indexes, 25:2969
LOPATINA, G. G. Radiation heating apparatus for physical-chemical investigations, 23:6179
LOPATINA, N. I. Composition and properties of fetal proteins in prenatal roentgen irradiation, 25:32559
LOPATINA, Z. I. Lanthanum antimonide physical properties, 22:19544
LOPATINSKII, V. P. Effect of radiation on electrical behavior of poly-3-vinyl-9-alkylcarbazoles, 23:35191
  EPR irradiated polymers of carbazole, 23:314
  Radiation polymerization of 3-vinyl-9-isopropylcarbazole and electrophysical behavior of the polymer, 23:225
LOPATKINA, A. P. Concentration of uranium by living and dead peat-forming plants, 25:13116
  Conditions of accumulation of uranium in peat, 22:40214
  Conditions of uranium accumulation by peats, 21:32283
  Estimation of age of uranium-bearing hydromorphous soils on the basis of ionium accumulation, 23:35335
  Evaluation of ages of U-bearing hydromorphic soils, 24:31474
LOPATKO, I. D. Measurement of tensor polarization of polarized deutron beams, 22:14025
  Measurement of the polarization of a proton beam accelerated in charge-exchange accelerator, 23:42826
  Polarization of protons elastically scattered on ^{12}C, 23:13210

Polarization of protons elastically scattered on ^{9}Be, 24:10937
Polarized negative deuteron injector for a tandem accelerator, 24:38048
LOPATKO, S. I. Optical potentials of composite particles, 24:13438
LOPATNIKOVA, E. F. Radiotherapy in inoperable tumors of the abdominal cavity and retroperitoneal space, 21:32687
LOPATO, L. M. Chromites of the rare-earth elements and some of their physicochemical properties, 23:39057
Diagram of system state Eu_2O_3—Cr_2O_3, 22:19666
Formation of new phases in systems strontium oxide—samarium, gadolinium, and dysprosium oxides, 23:48564
Interaction of oxides of cerium subgroup rare-earth elements with calcium oxide, 23:47442
Interaction of samarium and strontium oxides, 25:19284
New compounds in systems La_2O_3—SrO and Ce_2O_3—SrO, 23:32067
New compounds in systems Pr_2O_3—SrO, Nd_2O_3—SrO, 23:36259
Phase correlation in the systems formed by oxides of rare earths and oxide of chromium, 22:31524
Phase diagram of Dy_2O_3—Cr_2O_3, 24:14788
Phase diagram of system Dy_2O_3—SrO, 25:32831
Phase diagram of the Gd_2O_3—Cr_2O_3 system, 21:13281
Phase diagram of the Sm_2O_3—Cr_2O_3 system, 21:11315
Phase diagram of Y_2O_3—Cr_2O_3 system, 21:13282
Phase diagrams of systems of Sm, Gd, and Dy oxides with Mg oxide, 25:29985
Phase ratios in Nd_2O_3—SrO system, 24:27891
Phase ratios in the systems of barium oxide-oxides of cerium subgroup Ree, 24:39723
Phase relationships in the magnesium oxide—cerium subgroup rare earth oxide system, 25:47178
LOPATO, P. Reaction ^{88}Sr(p,p')^{88}Sr* at 20 MeV and antisymmetrized microscopic DWBA, 23:25885
Spectroscopy of ^{208}Pb and ^{207}Pb by inelastic scattering of 24.5 MeV protons, 22:20623
Spectroscopy of even tin isotopes by inelastic scattering of protons, 25:3668
LOPATO, T. N. Effectiveness of magnetic storms that are ineffective in cosmic rays, 21:46191
LOPATSKII, G. S. Low-frequency oscillations in a plasma rotating in a magnetic field, 24:28358
Volt—ampere characteristics in nonequilibrium and inhomogeneous plasma, 23:48785
LOPEMAN, H. Graphics 8: graphics hardware, 1469 gear, 24:18812 (COO-1469-151)
LOPEMAN, H. E. Data Disc control graphics 8, 24:18813 (COO-1469-152)
DEC PDP-8 interface to IBM 2701 PDA, 24:29114 (COO-1469-153)
LOPER, C. R. Jr. Effect of temperature and saturation ratio on vapor grown cadmium crystals, 25:32674
LOPER, David E. Analysis of confined magnetohydrodynamic vortex flows, 21:7059 (NASA-CR-646)
Analysis of confined magnetohydrodynamic vortex flows, 22:36788
General solution for the linearized Ekman—Hartmann layer on a spherical boundary, 25:4998
Spinup of an electrically conducting fluid. I, 24:8380
Steady hydromagnetic boundary layer near a rotating, electrically conducting plate, 25:4999
LOPER, F. C. Characteristic equations for a supersonic flow problem with magnetohydrodynamic effects, 21:41873 (AD-645107)
LOPES, J. Leite Classical symmetries, 22:46475
Gauge transformations and generalized multipole moment operators, 23:49122
Gauge transformations and generalized multipole moment operators, 24:51994
Guage-invariance of the second kind and current and field commutation rules, 24:37887
Remarks on classical unstable particles and the long-range scalar field, 21:35276
Role of the mass in the theory of free fermions, 23:46640
Unitary symmetry and the high-energy photonuclear reactions, 21:4090 (N-66-21182)
Unitary symmetry and the high-energy photonuclear reactions, 21:27407
Weak interactions and the vector dominance model, 25:56468 (FRNC-R-1)
LOPES, J. S. Decay of 8.88 MeV level in ^{16}O, 21:29890
Electromagnetic properties of ^{39}K bound states, 22:15986
Electromagnetic properties of low-lying levels of ^{29}Si, 22:37320
Electromagnetic transitions in ^{11}B and ^{14}C, 22:44611
Electromagnetic transitions in ^{11}Be and ^{14}C, 22:53102
Lifetime measurements in mass-15 nuclei, 23:5817
Study of positive-parity states in ^{15}O, 22:7644
LOPES, W. VLF propagation across geomagnetic anomaly during SIDs, 22:9203
LOPES CARDOZO, R. Activities of the Waste Processing Plant, Ispra JRC, 1963—68, 24:25248 (EUR-4454)
MINOX: catalytic deoxygenation process for irradiated organic reactor coolants, 25:23547 (EUR-4621)
Radioactive tracer technique to study the hydrodynamic behaviour of an effluent decontamination plant, 24:9620 (EUR-4402)
Retention of organic and inorganic compounds on clay minerals. III, 23:47422 (EUR-2646(Pt.3))
Zeta potential control applied to the treatment of radioactive effluent, 24:9427 (EUR-4401)
LOPES DA SILVA, G. Lithium driftability in germanium, 22:28092
Lithium driftability in germanium, 23:22016
Selecting crystals for large volume Ge(Li) counters, 24:5877 (EUR-4269, pp 65-80)
LOPES DA SILVA, J. Influence of the nature of ionizing particles on the specific luminescence of organic scintillators, 21:826
LOPES DOS SANTOS, Pedro Determination of ^{210}Po in cigarettes and tobacco, 25:34515
LOPEX-GARCIA, Alberto Internal field measurements in Ni and Fe by angular correlation method, 23:49002
LOPEX-MENCHERO, E. Waste management at Eurochemic, 24:46461
LOPEZ, A. Alpha spectrometer for measuring the degree of radioactive equilibrium between ^{222}Rn and its daughter products in U mines, 25:26503
Irradiation facility, 24:31109
Magnetic analysis of the ^{55}Mn(d,p)^{56}Mn reaction. I, 21:19206
Pollution of the atmosphere in uranium mines, 25:57564
Radioactive aerosols characteristics in French U mines, 25:26773
Use of coherent states in the theory of superfluidity, 21:37395
LOPEZ, A. M. Decay of ^{97}Zr and its daughter ^{97}Nb, 24:47649
Isomeric state of ^{97}Rh, 25:46088
LOPEZ, Alain Measurement of the equilibrium between radon and its daughters in uranium mines, 25:6431
Measurement of the state of equilibrium between radon and its daughter products in uranium mines, 25:21698
Measurement of the state of equilibrium between radon and its daughters in the uranium mines, 25:29201 (AEC-tr-7228)
Particle size spectrum of the radioactive aerosols in a uranium mine, 25:29200 (AEC-tr-7227)
Size distribution of radioactive aerosols in a uranium mine, 25:6430
LOPEZ, C. A. Action principle for a classical charged particle, 25:30790
Completeness of radial eigenfunctions of angular momentum and Sommerfeld—Watson transformation, 25:7765
Coulomb scattering in the lambda-plane, 25:18009
Formulation of special relativity by means of Galilean transformations, 24:5340
Jost-solution phase-shift to approach potential scattering, 23:5706
Remarks on the classical electron, 25:47789
LOPEZ, F. Hernandez Obtainment of ^{64}Cu by reaction (n,p), 23:2335
LOPEZ, G. Characteristics of nuclear spectrometer, 24:18335
Electric and magnetic aspects of spectrograph, 24:18337
Particle deflector and selector system for CNEN tandem accelerator, 24:18334
Spectrograph as a wide range nuclear polarimeter, 24:18338
Tandem Van de Graaff accelerator, 24:18333
LOPEZ, J. Separation of uranium by means of ion exchange resins in organic medium, 24:29373
LOPEZ, M. Rodriguez Ulcerated thorotrastoma, 21:1778
LOPEZ, Manuel D. Parametric technique of computing primary electron dose, 21:37525
LOPEZ, Natalia Effects of ionizing radiations on O uptake by rat liver slices, mitochondria, and mitochondrial membranes, 25:35223
LOPEZ, O. Cyclotron heating due to a modulated electron beam in a mirror machine, 24:28225
Strontium-85 kinetics in hypoparathyroidism at different levels of Ca intake, 21:22518
LOPEZ, Oscar Strontium-85 kinetics in hypoparathyroid patients following ingestion of different levels of Ca, 21:26365
LOPEZ, Perla L. Uptake of ^{75}Se by red blood cells from immature ovine, 22:30940
LOPEZ, S. Burnup and power distribution for light water moderated plutonium fuelled clusters, 22:22775
Burnup of pressurized or boiling water reactors, 22:18588 (RT/FI-(67)28)
BURNY: two dimensional burn-up code, 21:32035 (RT/FI-(67)8)
Nuclear reactor spatial kinetics calculations, 23:40429 (CONF-690401-, pp 102-15)
Physical follow-up of EBWR operation by nuclear codes developed by CNEN. I, 23:2011 (RT/FI-(68)22)
Physical follow-up of EBWR operation by nuclear codes developed by CNEN. II, 24:40925 (RT/FI-(70)1)
Study of use of Gd in boiling water reactor, 24:40933 (RT/FI-(70)20)
LOPEZ, V. A. Trypanosoma cruzi: effects of gamma radiation on growth and infectivity, 24:29846
LOPEZ, W. M. Calculations of cross-sections for the radiative capture of fast neutrons, 25:15122
Computer system for neutron cross-section measurements, 24:8771 (CONF-690301-, pp 354-66)
Cross section measurements of zirconium, 22:24853 (GA-8557)
Facility for the measurement of neutron-capture cross sections from 0.01 eV to 1 MeV, 25:37633
Helium-3(n,p)T cross section, 24:26586
Measurements of cross-sections for radiative capture of 1-keV to 1-MeV neutrons by Mo, Rh, Gd, Ta, W, Re, Au, and ^{238}U, 25:15121
Neutron capture cross section of the tungsten isotopes from 0.01 to 10 eV, 21:13886
Neutron capture cross sections and resonance parameters of Re from 0.01 eV to 30 keV, 22:30014
Neutron cross-section measurements, 22:29830 (GA-8602)
Neutron resonance parameters and capture cross section of Gd, 24:43325
Niobium resonance parameters, 21:10051
Nuclear material assays using total gamma-ray yields from low-energy neutron resonances, 24:31297
Prog. rpt. on neutron capture cross sections of Mo, Ta, and ^{238}U, final, 6/70, 25:36729 (N-70-41999)
Prog. rpt. on neutron cross-section measurements, 3/68—2/69, 23:30997 (GA-9275)
Prog. rpt. on radiative capture cross section measurements, 3/1/66—2/28/67, 22:3689 (GA-7820)
Resonance parameters and average capture cross sections of gadolinium, 24:6906
Uranium-236 neutron capture cross section, 24:22164
LOPEZ-ALBERTY, J. C. Immunogenic effect in dogs of vaccination with x-irradiated larvae, 24:31870
LOPEZ ALONSO, H. Prog. rpt. on hot atom chemistry program, annual, 4/69—4/70, 24:44029 (PRNC-139)
LOPEZ-ALONSOR, H. Neutron activation of aromatic selenium and tellurium compounds, 24:27156
LOPEZ ARROYO, M. Importance of sunspots and their variation, 24:28009
LOPEZ CARRASCO, F. Triga Mark III of Nuclear Center of Mexico, 25:34412
LOPEZ-CEPERO, A. B. Higher order terms in V—A theory of the weak interactions and leptonic scattering processes at high energies, 25:50111 (ORO-3992-51)
LOPEZ-CEPERO, Arnold Buist Exact absorptive corrections and the combined exchange-channels model, 23:32730
LOPEZ D., Fernando Sterile-male technique for eradication of the Mexican and Caribbean fruit flies, 25:24515
LOPEZ DE MANTEROLA, E. Use of U(IV) in second U cycle of the Eurochemic plant, 23:11603 (NP-17740)
Use of U(IV) in second uranium cycle of Eurochemic plant, 23:40795 (BNWL-tr-35)
LOPEZ DE MANTEROLA, J. Uranous nitrate as reducer of Pu. IV, 23:6092 (NP-17661)
LOPEZ DE RODRIGUEZ, Elvira Study of the system: sodium diuranate—vanadium hemipentoxide, 24:36989
LOPEZ-GARCIA, A. Internal electric and magnetic effects on the differential angular correlation, 25:38585
LOPEZ GONZALEZ, J. M. Clinical and experimental tests using irradiation, 25:42597
Research with Irradian, a drug protecting from irradiations, 23:2880
LOPEZ M., J. I. Effect of lime on absorption of phosphorous ^{32}P in growing of rice, 24:31768 (IAN-A-6)
LOPEZ M. DEL C., A. Radiation sterilization of orange juice, 24:51123
LOPEZ-MAJANO, V. Measurement of regional blood flow, 22:539
LOPEZ-MAJANO, Vincent Radioactive Xe in diagnosis of pulmonary embolism, 23:6508
LOPEZ MARTINEZ DE ALVA, L. Effects of γ radiation on protein content of wheat, 25:24044
Sterilization of human plasma by γ rays, 22:52094
LOPEZ-MENCHERO Treatment of Eurochemic medium level waste by neutralization self-solidification process, 22:23100 (NP-17234)
LOPEZ-MENCHERO, E. Clean-up process: chemical chop process, 24:22728 (NP-18182)
Neutralization self-solidification process (N.S.S.P.). Status of development work, 24:44068 (NP-18306)
Nuclides recovered from irradiated fuels, 23:26334
Predictions on the behavior of first cycle solvent during the processing of highly irradiated fuels, 22:16650 (ORNL-tr-1902)
Prog. rpt. on treatment of medium level waste, 9/66, 21:19881 (NP-16597)
Purification of Pu, 23:38079
Radionuclides from irradiated nuclear fuel, 24:22687
Research and development at Eurochemic, 24:46396
Stability of HNO_3—TBP diluent systems: bibliography of data up to 6/66, 22:18873 (ORNL-tr-1901)
Standard chemical flowsheet for use of U(IV) in the Purex 1st cycle by means of complementary studies in mixer—settlers, 23:11604 (NP-17741)
Study of standard chemical (flow)-diagram for use of U(IV) in first purex cycle, 23:28942 (BNWL-tr-28)
Treatment of EUROCHEMIC medium level waste by Neutralization Self-Solidification Process, 24:22929 (NP-18181)
Uranium nitrate as reducing agent for plutonium. V, 23:40796 (BNWL-tr-36)
Uranium(IV) as reducing agent for Pu. IIa, 21:3014 (NP-16328)
Uranium(IV) nitrate as reductant for Pu, 22:12274 (NP-17197)
Uranous nitrate as reducer of Pu. IV, 23:6092 (NP-17661)
Uranous nitrate as reducer of Pu. IIb, 23:6148 (NP-17663)
Uranous nitrate as reducing agent for Pu. III, 23:11602 (NP-17739)
Use of U(IV) in second U cycle of the Eurochemic plant, 23:11603 (NP-17740)
Use of U(IV) in second uranium cycle of Eurochemic plant, 23:40795 (BNWL-tr-35)
LOPEZ-MENCHERO, Emilio Optimization of the aqueous processing of irradiated fuel from nuclear power reactors. Use of uranium(IV) nitrate as reductant in a Purex type processing plant, 24:39014
LOPEZ MORALES, J. Preparation of secondary standards from minerals of low uranium content, 21:8212
LOPEZ PEREZ, B. Chemical technology of the nuclear energy industry, 24:19082
Reprocessing of MTR fuels, 23:47598
Reprocessing pilot plant at the Junta de Energia Nuclear of Spain, 22:6427
Separation of U, Pu, and fission products, 23:47609
Separation of U, Pu, and fission products by synthetic inorganic ion exchangers, 24:260 (ANL-Trans-776)
Treatment of radioactive residues, 23:47602
Use of tartrates for separation of U(VI) and Pu(IV) by extraction with TBP, 22:6409
LOPEZ PEREZ, Baldomero Juan Vigon Center of Nuclear Energy. The CIES pilot plant for the treatment of radioactive liquid waste. I, 22:4253
Treatment of radioactive wastes from reprocessing of irradiated fuels. I, 21:10421
LOPEZ-RODRIGUEZ, M. Experience with nuclear power plants in Spain, 25:53952 (A/CONF.49/P-735)
Jose Cabrera nuclear power station, 25:34243
LOPEZ VARONA, J. L. Extraction, by organic solvents, of radioactive nuclides present in aqueous solutions, 23:26324 (CONF-670649-42)
LOPEZ-ZUMEL, C. Effect of gamma rays on Na—K—ions—ATPase, 21:24360

  Radiosensitivity at molecular and cellular level with compounds derived from pyrimidines, 22:51771
LOPEZ ZUMEL, M. C. Effect of x rays on the active transport of sodium through frog skin, 21:45553
LO PRATO, E. Casaccia Nuclear Center 1 MW RC-1 reactor, 22:3905
LOPRIENO, N. Effect of caffeine on mutation and recombination, 25:8637
LOPRIENO, Nicola Effect of caffeine on mutation and recombination in Schizosaccharomyces pombe, 25:42332
LOPUKHIN, E. A. Spectral composition of direct solar radiation, 21:11498
LOPUKHIN, V. M. Noises and parametric phenomena in high-frequency electron devices, 22:21398
LOPUSHINSKI, Ya. Physical symmetries in field theory framework, 25:12253
LOPUSZANSKI, J. T. Abelian fields of special type, 23:21155
  Physical symmetries and the generalized Carruthers theorem, 24:49556
LOPUSZANSKI, Jan Remark on a reducible quantum field theory with a one-parameter symmetry group, 21:4116
LOPUSZANSKI, Jan T. Goldstone's theorem, 22:15837
  Physical symmetries in a theory of several scalar real fields, 24:3755
  Physical symmetries in framework of quantum field theory. II, 24:15637 (JINR-E2-4832)
  Physical symmetries in the framework of quantum field theory, 24:15635 (INP-681, pp 6-28)
  Physical symmetries in the framework of quantum field theory, 24:28591
  Symmetries induced by conserved vector currents, 23:27860
LOPUSZNIAK, Andrzej Logarithmic integrator for radioisotope gauges, 21:19858
LOPUSZYNSKI, Jerzy Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
LOPYLOVA, D. K. Investigation of reactions $\pi^- + p \rightarrow \pi^+ + \pi^- + m\pi^0 + n$ and $\pi^- + p \rightarrow 2\pi^+ + 2\pi^- + m\pi^0 + n$ at π^--meson momentum 4 GeV/c, 21:31535
LORA, S. Calorimetric method in radiation-induced polymerizations. I, 24:29352
  Dosimetry of ^{60}Co γ-rays by a simple calorimetric method, 22:43127
LORAIN, Henri C/sub N/ method of approximating Boltzmann equation and fast exponential problems, 25:41183
LORAN, D. Micropulsations of the Pi1 type at magnetically conjugate points, 22:34479
LORAN, J. Relationship between irregular geomagnetic field pulsations and the pulsations of auroras, 23:32257
L'ORANGE, R. New determinations of biological half-life of ^{14}C in human bones on incorporation of C in organically bound form, 24:27560 (CONF-690540-, pp 289-97)
  No protective effect of procaine hydrochloride in γ-irradiated stationary E. coli B. 163, 25:24478
LORANT, M. New method to prepare ceramic raw materials, 22:41092
LORANT, Michael Metal research for space engineering, 22:23782
LORAZO, B. Extension of the generalized seniority coupling scheme, 23:37350
  Generalized seniority and broken-pair coupling scheme, 24:49937
LORBACH, F. Fast, solid dielectric, multichannel crowbar switch, 25:30580 (EUR-4593, pp 379-84)
LORBER, H. W. Digital microdensitometer as an optical system component, 22:6202 (EGG-1183-1330)
  Digital microdensitometer as optical system component, 23:33126 (EGG-1183-1424(Rev.))
  NAD wideband rf data transmission system, 24:50275 (EGG-1183-4030)
LORBER, Steven A. /sup 69m/Zn-chloride. A new scanning agent: a study of its dosimetry and biological fate, 25:11204
LORCH, E. Neutron diffraction by germania, silica, and radiation-damaged silica glasses, 23:14889
LORCH, H. O. Feasibility of superconducting power transformers, 24:5106
LORCH, S. Measurement of sequential variations of water content of soils, 23:20030
  Measurement of terrestrial component of natural gamma-environmental radiation in Germany, 21:15993 (BMwF-FBK-66-42)
  Natural environmental radiation at ground level, 22:2223
  United States beryllium case registry (1952—1966), 22:49256
LORD, B. G. Pressure and temperature inside pressurized water reactor following rupture of the primary coolant circuit, 21:12176
LORD, B. I. Distribution of cell cycle times of normoblasts in the bone marrow, 24:12253
  Haemoglobin production in mice recovering from radiation, 23:31944
  Improved erythropoietic recovery in lethally irradiated rats after transfusion of buffy coat cells from the blood of partially shielded, heavily irradiated donors, 21:26366
LORD, D. Use of computers in high energy physics experiments, 23:7894
LORD, D. E. Data aquisition system using PDP8/S computer for the Dounreay Fast Breeder Reactor, 23:23883
LORD, D. G. Production of colour centres in some alkali halides by low energy electron irradiation, 25:33427
LORD, D. H. Conference on data handling systems in high-energy physics, Cavendish Lab., Cambridge, 3/70, 25:13234 (CERN-70-21(Vol.1))
  Conference on data handling systems in high-energy physics, Cavendish Lab., Cambridge, 3/70, 25:13263 (CERN-70-21(Vol.2))
  DDP-224 system handbook, 21:39291 (RHEL/R-134)
  Use of computers in FSD systems, 21:41249
LORD, David E. Exposure of strain gages in radiation fields of nuclear devices, 22:4560 (UCRL-70646)
LORD, E. A. Clifford algebras in general relativity, 21:40136
  Model for weak interactions with intermediate spinless bosons, 24:37735
  Some efficiency calculations for ^{6}Li suspended target semiconductor sandwich spectrometers, 25:2473 (AERE-R-6318)
LORD, Eric A. General relativity from gauge invariance, 25:33843
LORD, G. Electron irradiation and epitaxy on alkali halides, 25:56322
LORD, H. C. Hydrogen and helium ion implantation into olivine and enstatite, 22:43811
LORD, J. J. Anomalous scattering of penetrating underground cosmic-ray particles, 24:40241
  Capture of negative K-mesons in diamond-loaded emulsions, 21:15490
  Capture of negative K-mesons in diamond-loaded emulsions. II, 23:34541
  Inelastic nuclear interactions of high-energy electrons and muons in emulsion, 23:18788
LORD, R. C. Far-infrared spectra of ring compounds. IV, 23:49779
LORD, R. G. Measurements of very-small-angle scattering of medium-energy electrons in gases, 25:991
LORD, R. M. Effect of core configuration of the explosive yields for large sodium-cooled fast reactors, 22:53390
LORD, R. S. Beam current limits in the oak ridge isochronous cyclotron, 24:45629 (CONF-691101-, pp 92-8)
  Cyclotron beam current limits, 24:38027
  Diagnostic system for optimization of the external beam quality of the Oak Ridge isochronous cyclotron, 21:38138
  Heavy ion acceleration at ORIC, 25:31131
  Magnet development for 50-MeV S.O.C, 22:41899 (RHEL/M-124, pp 181-98)
  Magnet development for the 50-Mev SOC, 21:992 (ORNL-P-2357)
  Recent progress on a supercurrent separated orbit cyclotron, 21:29763
  Sector magnet for 10-50 MeV SOC, 21:29666 (ORNL-P-3091)
LORD, Reginald Lymphatic and visceral irradiation, 24:9832
LORD, Reginald Martin Fast nuclear reactor, 22:18533
LORD, Reginald S. A. Comparison of endolymphatic ^{32}P and ^{131}I lipids in rabbit, 22:51781
  Histologic effects of endolymphatic radiotherapy, 23:35899
LORD, W. L. Prog. rpt. on system for computer-operated radiation evaluation, 10/67, 22:12569 (ANL-7311)
LORD, W. T. Electric arc in a transverse magnetic field, 23:20754
LORDELLO, Antonio Roberto Spectrographic determination of hafnium in zirconium oxide, 25:10431 (IEA-208)
LORDI, F. D. Warm prestressing of pressure vessel steels, 21:39612 (KAPL-P-3350)
LORDI, John A. Measurement of $N_2^+ + e^-$ dissociative recombination in expanding N flows, 24:32820
  Thin-wire Langmuir-probe measurements, 24:35401
LORD III, Harry Chester High-temperature equilibria and condensation and solar wind interaction with solids, 22:11186
LORE, J. Development of properties of nuclear graphite obtained by a mixture of cokes, 25:58366 (CEA-CONF-1820)
  Influence of speed of graphitization of carbon products on dimensional variations produced by neutron irradiation, 25:55645 (CEA-CONF-1821)
LOREAU, N. Experimental nephropathy in the rat after subtotal nephrectomy and x-ray irradiation of the remaining kidney, 24:34660
LOREE, T. R. Hall effect in oriented α-Pu, 25:17317
  Positron annihilation in Pu—Al delta phase alloys, 25:11998
LOREL, Roland Manufacturing of vapor deposited refractory materials, 25:42823
  Manufacturing of vapor deposited refractory materials, 25:45022
LOREN, Robert B. Spectrophotometry of Nova Serpentis 1970, 25:27322
LORENC, E. Radium vs ^{137}Cs in treatment of skin cancer, 24:29826
LORENC, Ernest Combined x-ray and γ-radium ray therapy for skin cancer, 21:26549
  Combined x-ray and radium gamma-ray therapy for cancer of the lip, 23:5034
  Radium vs ^{137}Cs in skin cancer, 23:35755
LORENSEN, Lyman E. Low energy radiation dosimetry method in range of 15 keV and below, 25:35033
LORENTS, D. C. Analysis of scattering of He$^+$ by Ne and Ar, 21:39822
  Charge-transfer excitation produced in collisions of He$^+$ and N_2^+ with alkali atoms, 25:14011
  Collision spectroscopy of 2^{3}S excitation in He by He$^+$ impact, 23:48733 (SRIA-115-P-78-1)
  Collision spectroscopy. II, 24:3194
  De-excitation of He 2^{1}S and 2^{3}S atoms in fast collisions with normal He atoms, 24:3187
  Differential cross section for excitation of the 2^{3}S and higher states of He by 600-ev He$^+$ ions, 21:625
  N$^+$ + O$^-$ neutralization cross-section measurements using a superimposed-beam technique, 22:26240
  Neutral excited beams produced by change transfer, 23:16649
  Optical radiation produced by 1100-eV He$^+$, He*, and He^0 in various gases, 24:45028
  Prog. rpt. on metastable species in atomic and molecular beams, semiannual, 10/31/66, 21:18404 (AD-642525)
  Total charge-transfer cross sections for He$^+$ and Ar$^+$ on K, Rb, and Cs, 23:27380
LORENTS, Donald C. Differential scattering of Li$^+$ ions by He, N_2, and O_2 in the range 3 to 400 eV, 23:27379
  Ion—ion neutralization rate measurements by superimposed beam technique, 22:29266
  Prog. rpt. on processes of energy deposition by heavy particle impact, annual, 6/23/69—3/23/70, 24:30156 (SRIA-115-P-84-1)
LORENTZ, D. C. Collision spectroscopy of the system Li_2^+, 24:15165
LORENTZ, Roy E. Jr. Selection of materials for boilers and nuclear reactors, 21:20495
LORENZ, A. Current status of ^{233}U, ^{237}Np, and ^{232}Th fission cross sections, 25:48092
  Fifth Four-Centre meeting, Moscow, 11/69, 24:26574 (NP-18161)
  IAEA programs in nuclear data, 25:12343
  Neutron data compilation at International Atomic Energy Agency, 23:5770
  Neutron data compilation program at IAEA, 23:19136
LORENZ, B. Diagnosis of brain tumors with ^{131}I-labeled albumen particles and with ^{75}Se, 25:11145
LORENZ, Ch. Strontium-90 contamination of skeleton, 24:41744
LORENZ, D. Role of radionuclides in the diagnosis of cancer, 25:52127 (A/CONF.49/P-407)
LORENZ, E. Leptonic decay branching ratio of rho meson, 21:31532
  Measurement uncertainty, caused by the finite length of the detector, 24:36758
  Mu$^-\mu^+$ decay mode of the eta^0 meson, 23:27753
  Pairs K^+K^- from reaction $\pi^- \rightarrow K^+K^-n$ at 11 GeV/c, 24:30458 (CONF-690521-, pp 529-32)
  Reactions $\pi^-p \rightarrow$ rho^{0}n and $K^-p \rightarrow K^{*0}(890)$n at 11.2 GeV/c, 22:48232
  Upper limit on K/sub s/^{0} $\rightarrow \mu^- \mu^+$ decay rate, 23:42538
LORENZ, Edward N. Circulation of the atmosphere, 21:10467
LORENZ, Erhard Effect of radionuclide contamination on the calibration of ^{99}Mo, 25:26317
LORENZ, G. Spectrophotometric determination of Nb in Pt—Nb alloys, 23:26167
LORENZ, Gerd Spectrophotometric determination of Zr in Pt, 23:21645
LORENZ, H. J. Modern methods in nuclear medicine, 23:50678
LORENZ, Hans Design of the concrete containment vessel for the R. E. Ginna Nuclear Power Plant, 22:18469
LORENZ, I. Cation distribution in the nucleus and cytoplasm of rat livers, 25:46378 (LA-tr-71-57)
LORENZ, Jerry J. Carlsbad site roll-up program. On-site radiological safety report, 25:2420 (NVO-410-2)
LORENZ, John R. Lethal effects of long wavelength ultraviolet and visible light on cells, 23:45696 (ANL-7535, pp 231-5)
LORENZ, K. Ferritic Cr—Mo-steel with Nb addition usable for construction of Na-cooled nuclear reactors, 25:35407
LORENZ, Klaus Development of a low-alloy ferritic steel for high-temperature sodium service with special regard to carbon transport, 21:30970
  Examination of α/γ transformation in very pure binary alloys of Fe with Mo, Va, W, Nb, Ta, Zr, and Co, 24:42143
  Ferritic Cr—Mo steel with Nb additions, 25:49443
LORENZ, L. J. Ensemble averaging in gas chromatography, 24:33570 (COO-1222-39)
  Improved exponential dilution flask for gas chromatography, 24:31145 (COO-1222-34)
  Specification of gas chromatographic behavior using Kovats indices and Rohrschneider constants, 25:44247 (COO-1222-49)
LORENZ, P. Corrosion testing of materials in liquid propellant systems, 25:16413
LORENZ, P. J. Some physiological effects of air ion treatment without ion inhalation, 21:24559
  Some physiological effects of measured air ions, 21:26576
LORENZ, P. K. Molten salts. I, 24:22620 (NSRDS-NBS-15)
LORENZ, Peter Survival of microorganisms in space, 21:9026
LORENZ, Peter R. Survival of micro-organisms in space, 22:33988
  Survival of micro-organisms in space, 23:26963
  Survival of tobacco mosaic virus in space, 23:26969
LORENZ, R. Carbothermic reduction of protactinium pentoxide and first results on protactinium carbide, 23:37941
  Concentration of enriched uranium in irradiated MTR fuel elements, 23:36067 (EUR-4243)
  Preparation of Th—Pa alloys, 25:4791
LORENZ, R. A. Calculation of fission product release from core-coolant safeguarded reactors, 24:7153
  Dynamics and prevention of fuel rod swelling during a LOCA, 25:41468
  Evaluation of fuel rod failure transient test of Zircaloy-clad fuel rod cluster in TREAT, 24:18688 (ORNL-TM-2774)
  Failure characteristics of Zircaloy clad UO_2 fuel rods under loss-of-coolant conditions, 25:54116
  Final report on the first fuel rod failure transient test of a Zircaloy-clad fuel rod cluster in TREAT, 25:23342 (ORNL-4635)
  Fission-product release from water-reactor transient accidents simulated in TREAT, 21:38699
  Fuel rod failure under loss-of-coolant conditions in TREAT, 24:33416
  Fuel rod failure under loss-of-coolant conditions in TREAT, 25:41509
  Out-of-pile studies of fission-product release from overheated reactor fuels at ORNL, 1955—65, 21:38462 (ORNL-3981)
LORENZ, Th. Behavior of a "ghost" peak seen in the reaction ^{6}Li(^{3}He, p), 21:1042
LORENZ, W. J. Bone scintigraphy with ^{18}F and /sup 87m/Sr, 23:48134
  Clinical results with ^{18}F, 25:24244

Comparative investigations with the Anger scintillation camera and the digital autofluoroscope, 23:33458
Computer evaluation of scintigraphic studies obtained with a scintillation camera, 25:11122
Cyclotron for medical and biological investigation. I, 21:46634
Functional studies with short-lived reactor isotopes, 25:10943
Gamma cameras for clinical diagnostics, 22:19371
Imaging properties of the positron camera, 25:378
Importance of a cyclotron for nuclear medicine and biology, 24:8782 (LIB/Trans-238)
Importance of nuclear reactors and particle accelerators for medicine, 22:25923
Investigation of cardiac dynamics using scintillation camera and computer, 23:48117
Investigations of distribution of radioisotopes, 25:6724
New applications of nuclear-physical measuring methods in medicine, 21:20294
Operating experience and results obtained with TRIGA research reactor, 25:60173
Placentography with short-lived radionuclides. I, 23:38690
Placentography with short-lived radionuclides. II, 23:38691
Quantitative radiocardiographic studies with a scintillation camera, 25:11119
Role of radionuclides in the diagnosis of cancer, 25:52127 (A/CONF.49/P-407)
Scintigraphy of renal function evaluated by digital and analog computers, 25:11165
Studies on liver function with computer-scintigraphy, 25:10919
Use of TRIGA reactor in a nuclear medical department, 24:34485
LORENZ, Werner Experimental contribution to the problem of tumor preirradiation, 21:6689
LORENZELLI, Nicole Existence of substoichiometric rare earth nitrides, 25:32829
LORENZELLI, R. Electronic properties of the monocarbide and mononitride of neptunium, 23:3597
Superstructure in sub-stoichiometric thorium carbide, 23:18278
LORENZELLI, Robert Carbide type compounds: phase diagrams and properties, 24:51218 (CEA-CONF-1589)
Contribution to the study of the system (U,Pu)C,N, 23:18272 (ORNL-tr-3019)
Europium and ytterbium monocarbides, 25:32781
Preparation and structure of neptunium carbides, 22:28889
Production of mixed, single-phase sintered carbides (U—Pu)C, 23:8267 (CEA-R-3603)
Study of U—Pu—C—M carbides, 25:721 (CEA-CONF-1632)
System (U,Pu)C,N, 22:52259 (CEA-R-3536)
LORENZEN, C. A. Development of a continuous dissolver for plutonium scrap, 21:3144 (ISO-SA-29)
LORENZEN, K. Equipment of Inst. for Radiochemistry. I, 23:26401 (BMwF-FBK-68-57)
Nuclear techniques in the field of textile research and the textile industry, 22:23042
Polarization of protons from the reaction $^2H(d,p)^3H$ at deuteron energies between 1.35 to 2.00 MeV, 25:12361
Study of photo-voltaic conversion, 22:47291 (BMwF-FBK-68-07)
LORENZETTI, J. Observations regarding neutron spectrum in high atmosphere on occasion of solar eclipse, 11/12/66, 22:24067 (SC-T-68-1514)
LORENZETTI, J. R. Correction and regulation of the magnetic field of the cyclotron, 23:49231 (CNEA-238)
LORENZETTI, Jose R. Digital tele-metering by gamma attenuation of the level and density of liquids stored in tanks, 24:39377 (PRNC-135, pp 327-49)
LORENZI, P. Micrologic integrated circuit for monitoring correlation in pulse sequences, 25:18701
Technique for selection of time-correlated events in a sequence of pulses, 25:21468 (RT/FI-(70)22)
LORENZI, R. New read-out method for wire spark chambers operating in magnetic fields, 24:39353
Operation of cylindrical wire spark-chambers in low-pressure helium, 25:10872
Readout of wire spark chamber by delay lines, 25:18793
LORENZINI, P. G. Evaluation of fuel-coolant interactions during disassembly of an LMFBR, 25:57074 (CONF-710302-(Vol.1), pp 50-78)
LORENZINI, Paul G. Energy models for computing fast reactor parameters in diffusion theory, 24:7280
Modal methods for computing fast reactor spectra, 24:33487 (RLO-2058-2)
Solutions of the diffusion equation by the spectral-synthesis method, 25:23263
LORENZINI, Paul Gilbert Energy models for computing fast-reactor parameters, 25:15407
LORENZO, A. V. Sulfate and iodide concentration in brain, 22:40607
LORENZOLA, Jolanda Bonardi Determination of beta and gamma activity in foods, water, and air, 22:51588
LORET, M. Excitation of simple configurations in the outgoing reaction channel, 21:17324
Levels in ^{40}Ca excited by $^{40}Ca(p,p'\gamma_0)$ and $^{39}K(^3He,d)$, 22:26980
Proton spin-flip in inelastic scattering by ^{52}Cr and ^{54}Fe, 21:25503
LORETAN, P. A. Density determinations of alkali metals by a gamma radiation attenuation technique, 25:52364
LORETAN, Philip A. Laplace-variational method for transient multidimensional temperature distributions, 24:19154
LORETI, G. Ultrastructural studies of retinal lesions developing after massive focussed irradiation, 21:22688
LORETO, C. Bone scan with ^{85}Sr in skeleton metastatical lesions, 24:23269
Particular aspects of problem of RBE, 22:33943
LORETTO, M. H. Conference on voids formed by irradiation of reactor materials, Reading, Eng., 3/71, 25:58304
Neutron irradiation damage in Mo. III, 25:45093
Voids in intermetallic compound NiAl, 25:58318
LORGUE, G. Protection of domestic rabbit from complete irradiation by gamma rays, 24:32046
LORI, J. 175° K recovery state in irradiated p-type silicon, 24:24112
Characteristics of neutron damage in silicon, 22:37041
Electrical properties of gamma-irradiated p-type silicon, 24:26293
Low temperature setup for electron irradiation and subsequent photoconductivity studies of semiconductors, 23:23048
Production rate of divacancy and near edge absorption in Si by fission neutrons, 24:26303
Strain caused by recovery of radiation damage in a Zircaloy pressure tube, 23:22576 (AECL-3226)
LORIA, E. A. Methods for improving the ductility of molybdenum, 21:20507
LORIA, Edward A. Effect of hydrogen on vanadium, 23:33959
LORIA, G. Hybrid computer for activation and decay calculations, 22:407
LORIA, Giorgio Inexpensive Moessbauer spectrometer, 21:24228
LORIERS, H. Corrosion of low alloy steels by carbon dioxide at moderate temperatures, 22:17075
New alloys of zirconium, 23:6644
Oxidation and cracking of Zr—Cu alloys in CO_2, 23:33931
Protection of zirconium against oxidation by means of metal coating, 22:17123
Protection of zirconium against oxidation by means of metallic coatings, 22:43573 (WAPD-Trans-0094)
Protection of zirconium and its alloys against oxidation, 24:958
Work done in France on high-temperature reactors, 25:54037 (A/CONF.49/P-585)
Zirconium alloys resistant to carbon dioxide, 24:957
Zirconium alloys resistant to oxidation in carbon dioxide at high temperature, 21:18217
Zirconium alloys used in carbon dioxide at high temperatures, 25:42812
LORIERS, Henri Influence of structure of Zr—Cu alloys on oxidation resistance, 23:41552
Oxidation of Zr—Cu alloys in CO_2, 23:29973
Process to obtain oxide layers on Zr, Hf, and their alloys, 25:42819
Protection of zirconium and its alloys by metallic coatings, 23:17281 (CEA-R-3612)
LORIERS, J. Cerium(III)-sensitized Tb(III) luminescence in Th-orthophosphate, 24:51392 (CONF-700403-5)
Preparation and spectral properties of Eu tris-(5-nitronaphthalene-1-sulfonate), 23:9292 (UCRL-Trans-10307)
LORIERS, Jean Complexes of hydrazine-di-acetic acid with rare earths, 22:30662
Crystallographic study and magnetic properties of mixed garnets of Ho and ceric earths, 21:31494
Europium luminescence in rare earth compounds by inter ion excitation using ^{147}Pm, 25:33063
Preparation and luminescence properties of lanthanum oxysulfide activated with europium, 23:21714
Preparation and properties of some fluorescent rare earth compounds, 22:22997 (CONF-670502-, pp 283-94)
LORIKYAN, M. P. Detection of x-ray transition radiation by means of a spark chamber, 24:46512
Detection of x-ray transition radiation by means of a streamer chamber, 25:26515
Detector for exact measurement of charged particles coordinates, 23:24456
Detector for measurement of the energy of ultrarelativistic particles, 22:38088
Detector for relativistic particles, 22:40361 (SLAC-Trans-84)
Dynamic radiation generated in crystals by particles with ultrarelativistic energies, 25:36382
Ionization energy losses of relativistic particles, 22:38729 (SLAC-Trans-82)
Ionization energy losses of relativistic particles passing from a vacuum into a medium, 23:3264 (SLAC-Trans-83)
Ionization losses of relativistic particles migrating from vacuum to the medium, 21:7386
New detector for relativistic particles, 22:23326
Possibility of the use of spark chambers on linear accelerators, 21:30720
Registration of K^+-mesons, 23:17802
LORIMER, A. R. Precordial-counting evaluation of ^{131}I and /sup 99m/Tc, 23:43820
LORIMER, A. Ross Use of computers in measuring body electrolytes by gamma spectrometry, 22:19281
LORIMER, W. R. Design of neutron convertors for D.M.T.R, 21:35725 (TRG-Report-1453)
LORIMIER, N. E. Measured low-altitude neutron and gamma dose distributions due to 14-MeV neutron source, 24:15378 (EGG-1183-1449)
LORIN, A. X-ray spectrometry using Si (Li) diodes, 25:10812 (CEA-N-1401)
LORIN, Andre Detection of fission products in carbon dioxide by instantaneous ion collection, 22:47317 (CEA-R-3511)
LORIN, C. Pool nuclear reactor, 25:10276
Pool-reactor, 25:10280
LORIN, Christian Plate-type nuclear fuel element, 23:9219
LORIN, J. C. Discovery of an early irradiation of meterite crystals using scanning electron microscopy, 25:45164
Etch-tracks in meteoritic and terrestrial minerals, 23:5464
Primitive low-energy particle irradiation of meteoritic crystals, 23:39075
Study of cosmic radiation by mineral detectors in meteorites, 25:22216
LORIN, Marcel Pagure: ^{60}Co panoramic irradiation facility, 22:21232 (CEA-R-3302)
LORINE, D. J. Kinetic study of reduction of $NbCl_5$ by niobium metal using gas chromatograph, 22:20985 (IS-1780)
LORINE, David John Reduction of niobium pentachloride and tantalum pentachloride with niobium metal in a gas chromatograph, 22:47063 (IS-T-263)
LORIO, Philip M. Experience of legal proceedings for siting a research reactor in an urban area, 25:57131
LORIOT, Pierre Devices for handling radioactive charges, 21:34381
Remote-controlled positioning apparatus, 22:49063
LORIUS, C. Balance of ^{90}Sr over Antarctica, 25:54788
Dating of snow samples of border of Antarctica by measurement of natural and artificial radioactivity, 22:18916
Isotopic examination at depth of Antarctic glacier, 22:18942
Tritium content in a firn core from Antarctica, 24:25134
LORIUS, Claude Polar caps, 23:35433
LORKIEWICZ, Zbigniew K. Early intracellular events in replication of T4 phage DNA. IV, 22:30953
LORKOVIC, Marijan Low frequency tiristor source for nuclear power plant control systems, 21:17924
LORQUET, A. J. Electronic structure of ionized molecules. VII, 23:6142
LORQUET, J. C. Electronic structure of ionized molecules. VII, 23:6142
LORRAIN, C. Process of separation of uranium and thorium starting from a solution containing these two elements, 21:12516
LORRAIN, Ch. Magnesiothermal process for the preparation of metallic uranium, 21:32850
LORRAIN, Christian Process of separation of uranium and thorium starting from a solution containing these two elements, 22:10353
Process of separation of uranium and thorium starting from a solution containing those two elements, 22:14579
LORRAIN, J. Equipment for measurement of electron scattering at 180°, 22:16945
Study of apparatus for measurement of electron scattering at 180°, 22:6642 (LAL-1182)
LORRAIN, Paul Electromagnetic fields and waves, 24:30220
LORTET, M. C. Broadening of hydrogen lines in a neutral medium, 24:10242
LORTET-ZUCKERMANN, M. C. Bright condensation 3C 153.1 inside the H II region NGC 2175, 25:55681
Tests of the hypothesis of a Markov chain, 21:6952
LORTET-ZUCKERMANN, Marie-Claire Spectrum of Z Cam during a light stage, 22:19726
LORTIE, Edna L. Solutions of reaction rate equations pertaining to electron irradiation of 4:1 mixtures of N_2 and O_2, 22:33370 (AD-662061)
LORTZ, D. Exact solutions of the hydromagnetic dynamo problem, 23:22974
Small rotational transforms, 21:18626
Stability of axisymmetric MHD equilibria without stagnation point, 23:16832
Sufficiency of the energy principle for magnetohydrodynamic stability, 25:40437
LORTZ, Dietrich Asymptotic magnetic surfaces, 24:51712 (IPP-6/83)
Existence of toroidal magnetohydrostatic equilibria without rotational transform, 24:5178 (IPP-6/75)
Existence of toroidal magnetohydrostatic equilibrium without rotational transformation, 24:32714
LOS, B. P. Latitude dependence of ionospheric parameters, 24:30217
LOS, J. Angular dependence of collision-induced excitation of H_2^+, 22:969
Angular dependence of collision-induced excitation of H_2^+ ions, 23:36518
Atomic beam source for the energy range of 0.2 to 45-eV, 22:43900
Bolometer detector for energetic neutral particles, 25:32228
Centrifugal separation of U isotopes, 23:50080
Charge transfer between alkali atoms and oxygen molecules, 25:24913
Collision-induced dissociation of $(HeH)^+$, 23:30348
Collision-induced dissociation of $(HeH)^+$, 24:15164
Collision-induced dissociation of 10-keV H_2^+ ions, 23:14612
Diffusion coefficients of isotopic mixtures of CO and N_2, 25:18604
Diffusion coefficients of isotopic methane mixtures and of methane—rare gas mixtures, 25:57434
Dissociation of 10 keV $(HeH)^+$ molecular ions. III, 25:24918
Dissociation of 10-keV $(HeH)^+$ molecular ions. I, 24:51422
Dissociation of 10-keV $(HeH)^+$ molecular ions. II, 25:24917
Elastic scattering of K^+ ions with Ar, 23:44176
Experimental study of a slit monoplasmatron ion source, 23:30884
Mathematical description of two-phase separation processes, 21:8406
Molecular beam apparatus for 0 to 50 eV region, 21:29008
Potential model for He—H_2 interaction in thermal diffusion, 23:13959
Preconcentration of impurities in Dragon purge flow, 24:40957 (DP-Report-204)
Preconcentration of impurities in He gas, 24:41175 (DP-Report-392)
Residence time measurements for surface ionization of K on W, 25:19210
Thermal diffusion in He—CO_2 mixtures, 23:16554
Total charge transfer cross sections of alkali atoms on halogen molecules, 24:19761
Total collision cross sections of particles with argon electron configurations with argon, 22:19775
Total cross section for K on He in range of 0.35 to 16.5 eV, 22:937 (AGARD-CP-12(Vol.1), pp 411-22)

Total cross section measurements of K on rare gases in thermal and high-velocity range, 22:19774
Total cross section measurements of K on rare gases, 25:14005
Total cross sections for charge transfer between alkali atoms and halogen molecules, 23:46261
LOS, J. M. Decarboxylation of substituted 4-aminobenzoic acids in acidic aqueous solution, 21:32161
LOSANA, O. Metabolism of citric acid in Cushing's syndrome, 23:43688
LO SAVIO, M. Conversion $^3S \rightarrow {}^1S$ of positronium in the ice—water system, 23:14626
Fast-slow coincidence system, 23:640
Hyperfine energy splitting of positronium measured in water, 23:1181
Transistorized time-to-amplitude converter, 21:10703
LOSCH, W. H. P. Angular distribution of secondary electrons from ion bombardments, 24:35159
LOSEE, D. L. Isotope effects in lattice constant and thermal expansion of ^{20}Ne and ^{22}Ne single crystals, 22:46207
LOSEHAND, R. Stored energy and electrical resistivity of Frenkel defects in copper, 24:15395
LOSER, John B. High-velocity metalworking, 21:32844 (NASA-SP-5062)
LOSER, Robert W. Data reduction program for gas-gas and gas-solid reactions, 22:37633 (RFP-1107)
FORTRAN IV program for computing the sticking probability of gases on solid surfaces, 23:21682 (RFP-1317)
FORTRAN IV program for ellipsometer measurements of surface films, 24:4189 (RFP-1392)
Thermal desorption of atmospheric gases from plutonium dioxide. I, 25:13024
Time-sharing FORTRAN program for dynamic analysis of gases by time-of-flight mass spectrometry, 24:2104 (RFP-1400)
LOSEV, A. A. Effect of ionizing radiation on the nervous system, 23:29886
Evaluation of fatigue and mental alertness of persons working during exposure to small doses of ionizing radiation, 22:47608
Persons exposed to ionizing radiation in their work, 24:23225
Systematic techniques of objectivization of asthenitic syndrome, due to action of ionizing radiations, 23:29815 (A-AC.82/G/L-1264(Add.1), pp 3-14)
LOSEV, N. F. Quantitative x-ray spectrofluorescence analysis, 25:4024
X-ray spectroscopic determination of niobium in solutions by the internal standard method, 25:37281
LOSEV, N. P. Equipment for studying the long-term stability of structural materials under irradiation, 25:40072 (LB/G-3012)
LOSEV, S. A. Dissociation of O molecules during O_2—O_2 and O_2—O collisions, 23:36513
Excitation time of B^{3}PI/sub g/ state of N_2 at high temperatures, 22:2802
Investigation of the state of iodine molecules behind a shock-wave front, 21:607
Kinetics of dissociation of carbon dioxide molecules behind a shock-wave front, 21:11406
Mechanism of the radiation process of nitrogen in the nonequilibrium range behind the shock wave front, 22:41610
Mechanism of thermal dissociation of diatomic molecules, 25:6252 (SC-T-70-4045)
Oscillations and breakup of diatomic molecules during atom—molecule collisions, 23:41959
Theory of vibrational relaxation of diatomic molecules, 23:51662
LOSEVA, T. I. Isotope effects in CO_2 adsorption on zeolites, 25:34708
Separation of hydrogen and nitrogen isotopes by adsorption on synthetic zeolites, 21:39139
LOSHAK, A. Ya. Question of biological effect of combined x-ray and superhigh frequency radiation, 21:16438 (JPRS-38272, pp 340-1)
LOSHAKOV, G. A. Adsorption of radioactive iodine vapors from air, 23:38121
Removal of radioiodine from gases, 25:51569 (A/CONF.49/P-703)
LOSHAKOVA, G. V. Radiation recombination in $ZnSnP_2$ crystals, 22:34759
LOSHCHENOV, G. F. Simple apparatus for divergence and rotation of intense ion beam, 22:32390
LOSHCHILOV, M. G. Decay scheme of ^{88}Y, 24:18395
Study of ^{124}I radiation, 24:18437
LOSHKAREV, Yu. M. Conditions of crystallization and properties of highly dispersed silver—molybdenum powder, 24:2900
Electrothermic production of molybdenum powder with particles of lamellar shape, 25:45019
LOSKA, L. Activation analysis of chromium, silicon, nickel, tungsten in alloys by using neutron generator, 22:33269
Automatic activation analysis system using a fast neutron generator, 21:1290
Automatic activation analysis system (AAAS) with fast neutrons, 22:25319
Calculation of fast neutron flux in vicinity of neutron generator target, 24:26579
Determination of water, salt, and S in crude oil by neutron activation analysis, 24:153
Determination of water, salt, and sulfur in crude oil by neutron activation analysis, 23:31311
LOSKEVICH, E. Detection of $\pi^0 + \gamma$-decay of ω^0-mesons produced by π^--mesons with the 9 GeV/c momentum in π^--Xe interactions, 21:3976 (JINR-P1-2948)
Detection of the $\omega^0 \rightarrow \pi^0\gamma$ decay for π^- mesons produced by the 9 GeV/c mesons in the π^-—Xe interactions, 22:5517
LOSKIEWICZ, J. Reggeized multiperipheral model for inelastic processes at high energy, 22:46427
LOSKIEWICZ, K. Pion production mechanism in high multiplicity π^+p interactions at 8 GeV/c, 25:45746 (INP-755)
LOSKUTOV, A. I. Anodic dissolution of hard alloys of VK type in alkali—nitrate electrolytes, 25:58177
LOSKUTOV, V. F. Diffusion in nitrided Nb, W, and Fe—Si alloys, 25:19234
LOSKUTOV, V. M. Welding Ti alloy, 23:46028
LOSKUTOV, Yu. Modification of the Coulomb law in a strong magnetic field, 25:56402
LOSKUTOV, Yu. M. Electric dipole moment effects on the polarization of spinor particles in a magnetic field, 24:24310
Influence of anomalous magnetic and (supposed) electric moments on Fermi-particle spin behavior in magnetic field, 25:22750
Photon radiation by electrons upon reflection from a magnetic field, 25:11679
Photoproduction of neutrino pairs on polarized electrons in an electromagnetic field, 25:53057
Polarizing effects in reaction $e \rightarrow e' + \tau$/sub e/ + antiτ/sub e/ in magnetic field, μ-e decay, 24:24330
Possible focusing of particles in cyclic accelerators by means of crossed magnetic and electric fields, 21:17244
Possible methods of polarization of electrons at rest in magnetic field, 25:7602
Resonant scattering of electromagnetic waves on electrons in magnetic field and electron polarization, 24:24301
Semiclassical theory of the quantum fluctuation forces, 21:25390
Stabilization of betatron oscillations, 21:25365
Stabilization of betatron oscillations, 21:27493
LOSNIANU, E. Double charge exchange of 50- to 176-MeV π^- mesons in photoemulsion, 21:17053
LOSOVSKII, B. Ya. Observations of polarization of lunar radio emission at 0.8 cm with high resolution, 22:812
Phase dependence of the 0.8-cm radio emission of Hg, 22:52450
LOSS, F. J. Analysis of radiation-induced embrittlement gradients on fracture characteristics of thick-walled pressure vessel steels, 25:42841 (CONF-710512-8)
Availability of data on irradiated materials as related to design requirements for pressure vessels, 22:35658 (AD-663879)
Coupling of fracture mechanics and transition temperature approaches to fracture-safe design, 24:17288
Dynamic fracture characteristics of thick section steel, 25:22073
Dynamic tear energy: a practical performance criterion for fracture resistance, 24:9990 (NRL-6975)
Dynamic tear test investigations of fracture toughness of thick-section steel, 24:39632 (NRL-7056)
Effect of mechanical constraint on the fracture characteristics of thick-section steel, 25:55512
Effects of radiation with stresses and of periodic proof testing on pressure vessel material behavior, 22:19585 (NRL-6620)
Influence of operating environment and procedures on material behavior, 21:38750
Integration of metallurgical and fracture mechanics concepts of transition temperature factors relating to fracture-safe design for structural steels, 23:33951 (NRL-6900)
Pressure vessel material behavior, 23:1012
Reassessment of fracture-safe operating criteria for reactor vessel steels, 24:46714 (NRL-7152)
Research progress, 22:31417 (BNWL-532, pp 9.1-23)
LOSS, Frank J. Prog. rpt. on irradiation effects on reactor structural materials, 5—7/67, 22:36508 (AD-661229)
LOSSING, F. P. Manifestation of autoionizing states in the ionization of krypton by electron impact, 25:43154
Threshold ionization efficiency curves for monenergetic electron impact on H_2, D_2, CH_4, and CD_4, 23:32169
LOSSMANN, G. Phase diagrams of system U—O—F, 24:41276
Thermal dissociation and sublimation of UO_2F_2, 24:41281
Thermal dissociation and sublimation of UO_2F_2, 25:15566 (ORNL-tr-2422)
LOSTIA, G. B. Prevention of radiation risks in hospitals. I, 25:52094
LOSTIS, P. Reflection of a thermal-energy atomic beam of silver by polycrystalline nickel and molybdenum, 23:22935
LO SURDO, C. Analysis of a linear magnetoplasmadynamic generator with plasma heavy component in uniform state, 22:26276
Collision integral between particles of disparate mass, 25:56179
Criticality conditions for aluminum oxide-moderated homogeneous multiplication systems, 22:47021
Electron velocity distribution in a partially ionized gas under the action of electric and magnetic field. I, 22:9375
Electron velocity distribution in partially ionized gas under action of electric and magnetic fields. II, 22:34292
LOTEM, H. Compensated spin state in U/sub x/Th/sub 1-x/Pd_3, 23:48987
EPR of Gd in $LaRu_2$, 23:23293
LO TENERO, B. Control rod fabrication experiments, 25:42822
Fabrication of control rods, 25:49414 (RT/MET-(70)4)
LOTGERING, F. K. Superconductivity in sulfo- and selenospinels, 21:41992
LOTH, B. Large aperture glass disc laser system, 22:39080 (UCRL-70849)
LOTH, K.-H. Reactivity effects and efficiencies of control rods, 23:34895
LOTH, R. Measurement of the spin polarization of 900-eV electrons after elastic scattering on heavy metal foils as a function of target temperature, 21:28966
LOTH, Ralf Behavior of secondary circuit of gas-cooled advanced reactor, 24:13586
LOTHE, J. Catalytic influence of different metals on corrosion rate of graphite. project dragon, 24:51191 (DP-Report-332)
LOTHE, Johan Basic studies on the catalysis of oxidation reactions of graphite. annual report no. 2. project dragon, 24:42178 (DP-Report-372)
High-temperature gas-cooled reactors with internal fission by-product trapping means, 21:10188
LOTHROP, F. H. Stimulation and measurement of radial betatron oscillations in the Bevatron using rf accelerating system, 23:28143
LOTHROP, Fred H. G. Beam spill control for a synchrotron, 23:3876
Digital control of Bevatron acceleration cycle, 25:31054 (UCRL-20185)
LOTHROP, Martha L. Histologic changes in marrow after total-body irradiation of marmosets, 21:45780 (ORAU-101, pp 27-30)
LOTHROP, R. P. High voltage operation of Li-drifted Si detectors, 21:36350 (UCRL-17557)
High-voltage operation of lithium-drifted silicon detectors using a shelf structure, 23:22015
Radiation damage in Li-drifted Si detectors, 21:36351 (UCRL-17558)
Radiation damage in Li-drifted Si detectors, 23:22146
LOTHROP, Robert P. Effects and control of surface states during lithium ion drift in silicon, 24:14249 (UCRL-19413)
Semiconductor-detector having a lithium compensated shelf region between opposite conductivity type regions, 23:2577
LOTITO, L. A. Optimisation of nuclear power station control system, 24:38400
LOTKOVA, E. N. Investigation of the infrared absorption spectrum of neutron-irradiated silicon, 21:17948
LOTOSH, E. A. Effect of x rays on development of palate in embryo, 24:2789
LOTOVA, N. A. Faraday rotation in pulsars and the interstellar medium, 24:30088
Inhomogeneities of the magnetic field of the solar corona, 22:34221
Irregular structure of the interplanetary plasma, 22:52446
Magnetic field of interplanetary plasma, 24:10277
Nature of the inhomogeneous structure of the circumsolar plasma, 24:25907
Radio wave scattering on solar outer corona, 21:24885
Radioastronomical investigations of the inhomogeneous structure of the interplanetary plasma, 22:52314
Relation between pulsar NP 0532 and small-angular-size radio source in Crab Nebula, 25:7008
Small angular size source in Crab Nebula, 24:42385 (CSIRO-Trans-10121)
LOTRIAN, J. Determination of B, Sr, and Si in sea water by emission spectroscopy, 24:11
LOTT, B. Inventory of the quantity of mercury in an industrial chlorine cell using a radioactive mercury tracer, 21:16077
LOTT, F. Regge effects in reaction $\pi^+p \rightarrow \pi^0\Delta^{++}$, 24:1518
LOTT, J. L. Service behavior of concrete for radiation shielding, 21:42155
LOTT, J. R. 5-OH tryptamine content in rat brain tissues x irradiated in vitro, 23:2773
Effects of x irradiation on respiration in rat brain tissue slices, 22:49495
Potometric determination of the effects of x-irradiation on water, K, and Ca flux in isolated roots, 22:28705
LOTT, James R. Effects of thorazine on electroencephalograms in x-irradiated rats, 21:10951
Effects of x-irradiation on circulating eosinophils in rats, 22:23631
Plasma corticosterone and eosinophil levels in x-irradiated rats, 25:47009
Prog. rpt. on effects of x-irradiation on ion flux in nerve membranes, final, 8/68, 23:43686 (ORO-3270-5)
LOTT, James Stewart Radiation abortion in radiotherapy, 23:6527
LOTT, L. A. Work function of ultrahigh-vacuum-deposited beryllium films, 24:6645
LOTT, Layman A. Literature survey: physical properties of lithium and beryllium at low temperatures, 22:6983 (RFP-1051)
LOTT, M. Development of ionization chambers designed to measure heating of nuclear origin, 23:14044 (CEA-CONF-1068)
Neutron attenuation in a compact shield, 23:13496 (AERE-R-5773(Vol.2), pp 554-70)
Neutron attenuation in spherical materials: isotropic monoenergetic point source, 23:12940 (AERE-R-5773(Vol.1), pp 205-18)
Shielding and shielding concretes, 23:27670 (ORNL-tr-3025)
Shielding studies and concretes, 21:13302
LOTT, Michel Attenuation of neutrons in various protective materials, 25:18171 (CEA-N-1386)
Measurement of the neutron albedo of ordinary concrete, 25:14394 (CEA-N-1382)
Neutron beam dosimetry applied in vivo activation analysis, 24:31981 (CEA-N-1245)
Nuclear heating measurements using ionization chambers, 25:37577 (CEA-R-4195)
Power dissipated in graphite and CO_2 of a graphite reactor cell, 24:43855 (CEA-R-3985)
LOTT, P. F. Determination of Te, 24:24997
LOTT, Peter F. Radiometric and spectrophotometric determination of trace amounts of selenium using 3,3'-diaminobenzidine as the initial reagent, 23:37907
LOTT, S. H. Jr. Rapid determination of half-value thickness, 25:6453
LOTT, Stewart Cobalt-60 rotational therapy for esophageal lesions, 23:29513
Radiotherapeutic response of lung carcinoma, 22:4678
Radiotherapeutic response of primary lung carcinoma according to cell type, 21:22559
Response of superior sulcus tumors to radiation therapy, 24:34557
LOTT, U. Thermodynamic quantities in the binary system Pr—O, 24:2203
LOTTES, Paul A. Potassium drop sizes and turbine-blade erosion, 22:8698

Shaped collimators improve one-shot void detectors, 22:8421
Toward an understanding of sodium fires, 22:1819
LOTTIG, Roy A. Mercury-flow ramp rates for startup of SNAP-8 system, 24:13617 (N-70-10766)
Pump transfer frequencies from auxiliary power to alternator power during startup of SNAP-8 system, 24:13618 (N-70-11628)
Pump transfer frequencies from auxiliary power to alternator power during startup of SNAP-8 system, 24:31116 (N-70-19353)
Steady-state performance of a SNAP-8 double-containment tantalum—stainless steel mercury boiler, 24:52974 (N-70-26934)
LOTTIN, A. Gamma spectra from radiative capture of resonance neutrons in Sb, 24:47617
Measurement of the neutron capture and fission cross sections and of their ratio alpha for ^{233}U, ^{235}U, and ^{239}Pu, 22:18298
Ratio of capture to fission in ^{239}Pu at keV neutron energies, 21:5535 (ORNL-P-2599)
LOTTIN, Andre Measurement and analysis of capture to fission cross section ratio α for ^{239}Pu between 20 keV and 500 keV, 25:12511 (CEA-N-1368)
LOTTIN, J. C. Big hydrogen bubble chamber Mirabelle cryogenics expansion, 25:34979 (CONF-700623-(Vol.2), pp 751-64)
LOTTS, A. L. Comparative evaluation of sol—gel fuel fabrication costs, 21:44853 (ORNL-TM-1979)
Design of a remote system for fabrication of (Th—^{233}U)O_2 metal-clad fuel elements, 21:6861
Design of remote system for fabrication of (Th—^{233}U)O_2 metal-clad fuel elements, 21:5705 (ORNL-P-2391)
Development and testing of sol—gel-derived (U,Pu)O_2 fuel, 22:8704 (ORNL-4170, pp 124-7)
Development of fast-reactor oxide fuels, 23:24973 (ORNL-4390, pp 3-33)
Development of fast-reactor oxide fuels, 23:48502 (ORNL-4420, pp 3-39)
Development of fast-reactor oxide fuels, 24:4827 (ORNL-4440, pp 3-28)
Development of FBR oxide fuels, 25:29922 (ORNL-4630, pp 3-58)
Development of FBR oxide fuels, 25:49573 (ORNL-TM-3300, pp 3-52)
Economics and technology of high-temperature gas-cooled reactor fuel refabrication, 24:30017 (CONF-700502-, pp 281-309)
Economics and technology of HTGR fuel cycle, 23:2034 (ORNL-TM-2377)
Economics and technology of HTGR fuel recycle, 23:37513
FABCOST: code for estimating fabrication costs for fuel elements, 22:44924 (ORNL-4287)
Fabrication and irradiation testing of sol—gel fuels, 21:44961 (ORNL-TM-1971)
High Flux Isotope Reactor target development, 22:8744 (ORNL-4170, pp 184-91)
High Flux Isotope Reactor target development, 23:8340 (ORNL-4370, pp 193-7)
High Flux Isotope Reactor target development, 24:2896 (ORNL-4470, pp 163-7)
Irradiation performance of sol-gel (U,Pu)O_2 fuels for breeder reactors, 24:30049 (CONF-700502-, pp 359-73)
Parametric studies of LMFBR fuel fabrication costs, 23:4254
Pilot-scale equipment development for pyrolytic-carbon coating, 23:9611 (ORNL-4302)
Postirradiation examination of failed HFIR target elements, 22:4829
Prediction of economically optimum time to initiate recycle for high-temperature gas-cooled reactor industry, 24:5501 (ORNL-TM-2704)
Price forecasting and resource utilization for the fuel cycle industry of the United States, 25:39265 (A/CONF.49/P-60)
Process for remote preparation and fabrication of fuel elements containing ^{233}U oxide—Th oxide, 22:49798
Prog. rpt. on thorium fuel cycle development, 12/66, 23:16509 (ORNL-4275)
Prog. rpt. on thorium fuel cycle, 1967—1968, 23:43385 (ORNL-4429)
Pyrolytic carbon coating in an engineering-scale system, 23:14384
Pyrolytic-carbon coating in an engineering-scale system, 22:4317
Reactor evaluation, 22:8806 (ORNL-4170, pp 206-10)
Reactor evaluation, 23:7664 (ORNL-4370, pp 212-18)
Reactor evaluation, 24:2341 (ORNL-4470, pp 199-203)
Remotely operated equipment for fabricating HFIR target elements, 21:6775
Sol-gel fast reactor fuels, 23:8274 (ORNL-4370, pp 142-50)
Sol-gel fast reactor oxide fuels, 24:2982 (ORNL-4470, pp 127-40)
Sphere-Pac and pelletization of (U,Pu)O_2, 24:30019 (CONF-700502-, pp 323-41)
Status and progress report for thorium fuel cycle development for January 1, 1969—March 31, 1970, 25:19260 (ORNL-4629)
Status of thermal reactor fuel manufacture in the United States, 25:39130 (A/CONF.49/P-62)
Thorium utilization, 22:8823 (ORNL-4170, pp 211-26)
Thorium utilization, 23:8306 (ORNL-4370, pp 221-9)
Thorium utilization, 24:2984 (ORNL-4470, pp 204-7)
Use of computer codes in estimating fuel element fabrication costs, 22:22882
Utilization of the thorium cycle in the HTGR, 25:39269 (A/CONF.49/P-837)
LOTTS, Adolphus L. Method for making porous target pellets for a nuclear reactor, 21:26788
LOTZ, E. v. d. S. Assay of ^{32}P in biological material by using a Cherenkov counter, 23:7940
LOTZ, H. Carrying capacity of prestressed concrete pressure vessel for THTR-300-MW(e) prototype nuclear power station, 25:56888
Prestressed concrete pressure vessel of the THTR-300-MW(e) prototype nuclear power plant, 25:56884
LOTZ, Henning Therapy of lethal radiation injury with Actihaemyl in animal experiments, 24:23239
LOTZ, Horst Fuel material for nuclear reactors and process and apparatus for its manufacture, 21:9220
LOTZ, K. Problem of a parallel plane radiograph of the mamma, 21:20299
LOTZ, M. Solutions of the navier—stokes equations for flow in countercurrent gas centrifuges, 25:51715 (K-Trans-61-2)
LOTZ, W. Behavior of a high-beta plasma in toroidal magnetic field with superimposed multipole field, 21:27113 (MPI-PAE/P1-4/65)
Electron-impact ionization cross sections and ionization rate coefficients, 22:43856 (IPP-1/76)
High beta (l = 1)-stellarator experiments, 25:38479 (CONF-710607-115)
Plasma losses in a toroidal theta pinch with superposed hexapole, 23:6968 (IPP-1/82)
Plasma losses in a toroidal theta pinch with superposed helical hexapole (n = 4/3), 23:23064 (IPP-1/92)
Plasma losses in a toroidal theta pinch with superposed hexapole, 24:47198
LOTZ, Wolfgang Binding energies of electrons in the next inner subshell of atoms and ions from boron to zinc, 22:45964
Binding energies of the next inner subshell of atoms and ions from B to Zn, 21:11388 (IPP-1/54)
Electron binding energies in free atoms, 24:15134
Electron impact ionization cross-sections and ionization rate coefficients for atoms and ions from hydrogen to calcium, 21:35006 (IPP-1/62)
Electron-impact ionization cross sections and ionization rate coefficients for atoms and ions from hydrogen to calcium, 23:1175
Electron-impact ionization cross sections for atoms and ions, 23:18446
Electron-impact ionization cross-sections and ionization rate coefficients for atoms and ions, 21:31233
Electron-impact ionization cross-sections for atoms up to Z = 108, 24:15153
Empirical formula for the electron-impact ionization cross section, 21:43769
Ionization potentials of atoms and ions from hydrogen to zinc, 21:37175
Subshell binding energies of atoms and ions from hydrogen to zinc, 21:20727 (IPP-1/56)
Subshell binding energies of atoms and ions from hydrogen to zinc, 22:36717
LOU, A. Production of heavy spallation hypernuclei by 800-MeV/c K^- mesons, 22:27253
Range-momentum relationships for heavy low-velocity ions, 21:4694
LOU, Alice Yuan-ning Lambda—hyperon binding energy in nuclear matter, 22:24564
LOU, Catherine Yuen-Chien Vaporization mechanism of gallium arsenide single crystals, 25:4074 (UCRL-19685)
LOU, K. H. Bevatron external proton beam facilities, 23:27973
Bevatron external proton beam facilities, 25:28119 (UCRL-20194)
High-quality narrow quadrupole magnets, 23:28108
LOU, Kenow H. Expansion of the bevatron external proton beam experimental facilities, 21:27475 (UCRL-17276)
LOUAT, N. Interaction between electrons and moving dislocations in superconductors, 24:35355
LOUAT, R. ESR of H center in plastically deformed LiF, 24:42757
LOUBATON, J. P. Negaton—positon pair creation in pion—nucleon interactions, 21:35312
Some remarks about covariance and equal-time commutators of quark currents, 21:7496
LOUBET, Michel Analysis of rare earths in geological samples by isotopic dilution and mass spectrometry, 24:25006
LOUBIERE, R. Effects of high frequency electromagnetic fields on the uptake of methionine ^{35}S by the spleen and liver of mice, 21:43534
Method of detection of bacterial mutations induced by cosmic rays, 21:11161
Visceral lesions observed in mice and rats exposed to ultra-short waves. study of the effects of these waves on reproduction of these animals, 24:19365
LOUBIERE, Robert Visceral lesions in mice and rats exposed to ultrashort waves. Effects of these waves on reproduction, 22:40895
LOUBSER, J. H. N. Electron spin resonance in electron-irradiated n-type SiC, 21:5323
ESR in irradiated silicon carbide, 25:9545
LOUCK, J. D. Canonical definition of Wigner coefficients in U/sub n/, 21:33728
Identity satisfied by Racah coefficients of U(n), 25:20034
Pattern calculus for tensor operators in the unitary groups, 22:29725
LOUCK, James D. Generalization of concept of boson, 25:1571 (AD-706833)
Intrinsically self-conjugate boson structure: the symplecton, 25:36548
Theory of tensor operators in the unitary groups, 24:20187
LOUCKS, Ronald H. Halogen composition of aerosol particles, 24:106
Particle size distribution of Cl and Br in mid-continent aerosols from the Great Lakes Basin, 24:41227 (COO-1705-5)
LOUCKS, T. L. Electronic structure of rare-earth metals. I, 22:24437
Electronic structure of Th metal. I, 23:23252
Electronic structure of zirconium, 21:37574
Energy bands and Fermi surface of scandium, 22:46209
Fermi surface and antiferromagnetism in europium metal, 22:17744
Fermi surfaces and generalized susceptibilities for neodymium and praseodymium, 23:30653
Fermi surfaces for dhcp La, Nd, and Pr, 23:5480
Fermi surfaces of thorium and actinium, 25:22634
Positron annihilation in yttrium and zirconium, 23:8684
LOUDE, J. F. Production and characteristics of a 14-MeV neutron beam, 25:9955
Spectrometer for study of (n,α) reactions at 14 MeV, 25:44673
LOUDE, J.-F. Pile-up detection circuit, 22:43090
LOUEDEC, C. Formation of Y/sub 1/* (1665) in reaction $K^-n \rightarrow \Sigma^{-0}\pi^{0-}$, 23:32625
Hyperon—proton interactions between 0.5 and 4.0 GeV/c, 24:49323
K^-p charge exchange at 3.95 GeV/c, 24:45434
LOUGH, John Wm. Jr. Physiology of the large milkweed bug after laser irradiation, 23:29381
LOUGH, S. Allan Intercomparison of reliability of body ^{137}Cs measurements on human beings, 21:43370 (TID-23740)
Intercomparison of reliability of body ^{137}Cs measurements on human beings, 22:8549
LOUGHEED, R. Absorption spectra of Bk^{3+} and Bk^{4+} in solution, 21:40825
LOUGHEED, R. W. Alpha decay of ^{255}Md, ^{256}Md, and ^{257}Md, 25:46049
Measurement of the average neutron yield per fission for /sup 242m/Am, 21:10039
Mendelevium: divalency and other chemical properties, 22:10255
Spontaneous-fission half-life of ^{258}Fm and nuclear instability, 25:20443
Symmetric fission observed in thermal-neutron-induced and spontaneous fission of ^{257}Fm, 25:43920
Use of electrodeposition methods to prepare actinide targets for cross section measurements and accelerator bombardments, 25:49384 (UCRL-73121)
LOUGHEED, Ronald Nuclear spin of ^{249}Bk from the hyperfine structure in its emission spectrum, 21:19248
LOUGHEED, Ronald W. Hyperfine structure in ^{253}Es emission spectrum, 22:43870
Hyperfine structure in ^{253}Es emission spectrum. II, 24:47001
LOUGHHEAD, R. E. High-resolution photography of solar chromosphere. I, 22:41281
High-resolution photography of solar chromosphere. III, 22:47785
High-resolution photography of solar chromosphere. VII, 24:10281
High-resolution photography of the solar chromosphere. V, 23:10406
High-resolution photography of the solar chromosphere. IX, 25:55746
Solar granulation, 22:38676
LOUGHMAN, W. D. Pion radiobiology, 22:8600 (CONF-670305-, pp 368-81)
RBE of π^- beams in Bragg peak region determined with polyploidy induction in mammalian cells irradiated in vivo, 22:31051
RBE of π^--beams in the Bragg-peak region using polyploidy induction in mammalian cells irradiated in vivo, 22:33902 (ORO-3343-1, Paper 3)
LOUGHMAN, William D. Chromosomal aberrations, 21:32711
Significant difference in mammalian-cell polyploidy induction between plateau and "star" regions of negative pion beam, 21:12809 (UCRL-16898, pp 11-13)
LOUGHRAN, D. J. Orbit analyzer probes for the measurement of plasma temperatures, 21:44046
LOUGUET, Gerard Isotopic O exchange by catalysts in V_2O_5—MoO_3 series, 25:37377
LOUIE, J. Reaction $\pi^+ p \rightarrow \Sigma^+ K^+$ at 1.28 and 1.41 GeV/c and a test of charge independence, 25:59311
Reaction $\pi^+p \rightarrow \Sigma^+K^+$ between 1850- and 2090-MeV cm energy, 25:3283
LOUIE, James Exchange amplitude contributions to reaction $K^- + p \rightarrow \Lambda + \pi^0$ near 1 GeV/c, 22:50297 (UCRL-18411)
Exchange amplitude contributions to the reaction $K^- + p \rightarrow \Lambda + \pi^0$ near 1 GeV/c, 24:3526
Experimental tests of (rho, A_2) and K^*, K^{**}) exchange degeneracy in forward meson—baryon scattering, 24:10759 (BNL-14222)
Properties of the N^*(1730), 24:37631
LOUIE, Rose V. Clinical experience with high and low LET radiation, 23:48168
Evaluation of the palliative effects of treatment with the 70-MeV synchrotron on advanced carcinoma of the bladder, 21:24521
Palliation versus eradication of carcinoma of the bladder with the 70-Mev synchrotron, 21:26512
LOUIE, William Nom Hing Bremsstrahlung activation of isomers, 21:44601 (UCRL-17788)
LOUIS, Claude Water flows in fissured rock and their effects on the stability of rock massifs, 24:38698 (UCRL-Trans-10469)
LOUIS, F. Nuclear energy as a source of electrical power, 23:19474
LOUIS, H. Determination of acoustic velocities and dynamic elastic moduli in rocks under pressure, 24:9492 (UCRL-50750)
Pressure—volume equation of state of consolidated and fractured rocks to 40 kb, 24:36397
Pressure-volume relationships for tuffs and rhyolites from Nevada test site, 23:21809 (UCRL-50578)
LOUIS, Hedley Loading—unloading PV curves for tuffs from Nevada Test Site, 23:24302 (UCRL-50554)
LOUIS, James Tests of (rho,A_2) and (K^*,K^{**}) exchange degeneracy in forward meson—baryon scattering, 24:51966
LOUIS, Jean F. Disk generator, 22:45991
Effective Ohm's law in a partially ionized plasma with electron density fluctuations, 21:42031
Research on MFD energy conversion, 25:47359 (AD-720257)
LOUIS, R. J. Central region orbit dynamics in TRIUMF cyclotron, 25:50344

H^{-} ion injection into central region of TRIUMF cyclotron, 25:31152
LOUIS, Serge Magnetic cutoff variations during the main phase of a geomagnetic storm, 25:43179
LOUIS, W. J. Double-isotope derivative plasma assay for noradrenaline and adrenaline, 25:57914
LOUISE, R. Electron temperature in H II regions, 24:37062
Electron temperatures in H II regions, 23:39163
Fluctuations of electron temperature in H II regions, 24:4937
$H\alpha$/[NII] ratio lines in Helix nebula, 23:48606
Method of determination of the electron temperature of HII regions, 23:6829
Morphological and kinematical study of two planetary nebulae, 25:9048
Study of $H\alpha$/[NII] ratio in diffuse nebulae, 23:51233
Study of two bright rims in the North America Nebula, 24:23661
Turbulence in H II regions, 25:11582
LOUISELL, William H. Prog. rpt. of the Nuclear Consortium at the UCLA Cyclotron Laboratory, annual, 1969, 24:8832 (UCLA-10-P-18-13)
Research program of Nuclear Consortium, 23:10928 (UCLA-10-P-18-10)
LOUKAS, S. L. Deuterium isotope effects in the formolysis of threo-1-methyl-2-p-tolylpropyl toluene-p-sulphonate and the question of non-classical carbonium ion intermediates, 25:39482
LOUKAS, Spyro L. Deuterium isotope effects on solvolysis of threo-1-methyl-2-phenylpropyl toluene-p-sulphonate, 24:18962
Some unusual deuterium isotope effects, β versus γ, on polarimetric rate of solvolysis of threo-1-methyl-2-phenylpropyl toluene-p-sulfonate, 24:2186
LOUKS, Ronald H. Some features of chlorine and bromine in aerosols, 24:25019
LOUNASMAA, O. V. Anomaly 16°K in europium metal, 22:7376
Helium-3/^{4}He dilution refrigerator, 22:52691
Helium-3/^{4}He dilution refrigerator for Moessbauer experiments at very low temperatures, 22:41515
Hyperfine interactions in divalent Eu compounds, 24:32938
Low temperature melting curve of ^{3}He, 24:41169 (UCSD-34-P-143-26)
Moessbauer experiments with ^{57}Fe between 1 and 0.08°K, 22:9454
Moessbauer experiments with a ^{3}He/^{4}He dilution refrigerator, 24:40200
Moessbauer study of the β decay of ^{197}Pt with oriented nuclei, 24:40650
Nuclear specific heats in metals and alloys, 22:9104
Powerful dilution refrigerator, 25:45432
Quadrupole moment of the 21.6-keV state of ^{151}Eu, 24:15916
Specific heat of Gd, Tb, Dy, Ho, and Tm between 3 and 25 deg K, 21:835
Specific heat of La, Pr, Nd, and Sm metals between 3 and 25°K, 21:32895
LOUNSBURY, M. Measurements of alpha and of fission cross-section ratios for ^{233}U, ^{235}U, and ^{239}Pu at thermal energies, 25:15070
Ratio of capture to fission in ^{235}U and ^{239}Pu, 21:5527 (AECL-2618)
Uranium and Pu isotopes in NPD fuel bundle 1016, 21:32029 (AECL-2695)
LOUP, J. P. Study of atomic point defects in oxides by means of thermal emission of electrons, 25:45607
Study of point defects of zirconium oxide, 24:21892
LOUP, J.-P. Influence of thermionic emission on measurements of electrical properties of refractory materials at high temperatures, 25:14455
LOUP, Jean-Pierre Use of thermionic emission in studying point defects at high temperatures: case of yttrium oxide, 25:45604
LOUP, Paul Fast fusion, 24:32857
LOUPIAS, G. Thermodynamic limit of BCS state, 25:52749
LOURENS, J. A. J. Annealing of electrical properties of electron-irradiated diamond, 25:11966
Dependence of the resistivity of semiconducting diamond on radiation damage and annealing, 25:25220
LOURENS, W. Automatized directional correlation arrangement, 21:43268
Decay of ^{227}Ra, 25:48109
Decay of ^{230}Pa, 24:52580
Stabilizing system for magnetic spectrometers based on the Hall-effect, 21:8600
LOURENS, Willem Double focusing beta-ray spectrometer applied in heavy element studies, 22:8367 (NP-17189)
LOURME, P. Difficulties encountered in neutron power measurement of EL-4 reactor, using ionization chambers situated outside the core, 25:39147 (IAEA-119, 6p.)
Flux measurements in EL-4 reactor using neutron electron converters, 25:39145 (IAEA-119, 5p.)
Operational temperature measurements inside reactor channels: reasons and methods of implementation, 25:39259 (IAEA-119, 4p.)
LOURO, Jose M. Prog. rpt. on chromosomal damage in humans by x-irradiation, annual, 1966, 21:16311 (AD-641505)
LOUTCHIKOV, V. I. Relaxation and polarization of LMN doped with Dy^{3+}, 23:15328
LOUTHAN, M. R. Jr. Hot-salt stress corrosion cracking of titanium alloys, 23:14295 (DP-MS-67-119)
Role of hydrogen chloride in hot-salt stress corrosion cracking of titanium—aluminum alloys, 22:19474 (DP(NASA)-1130)
Role of moisture and hydrogen in hot-salt cracking of titanium alloys, 23:36010
LOUTHAN, McIntyre R. Jr. Prog. rpt. on stress corrosion cracking of Ti alloys, 10—12/64, 22:28734 (DP(NASA)-961)
Prog. rpt. on stress corrosion cracking of Ti alloys, 7/1—9/30/64, 22:28733 (DP(NASA)-941)
Prog. rpt. on stress corrosion cracking of Ti alloys, 1—3/65, 22:34010 (DP(NASA)-1005)
LOUTIT, J. F. Colony-forming units in murine radiation chimeras, 23:48000
Conference on some aspects of Sr metabolism, Chapelcross, Glasgow, and Strontian, Scotland, 5/66, 21:45558
Criteria for radiation protection, 21:43403
Effects of x rays and antigenic stimulation on hematopoietic cells circulating in mice, 21:16473
Interpretation of levels of ^{90}Sr in human bone, 21:28354
Malignancy from radium, 25:13593
Migration streams of haematopoietic stem cells, 23:17918
Migration streams of haematopoietic stem cells, 23:50255
Radiation in man's environment, 21:43404
Strontium in man, 24:7720
Strontium-90 and leukemia, 22:12853
Strontium-90 from fallout in human bone, 21:45589
Strontium-90-induced osteosarcomas in radiation chimaeras, 25:16329
LOUTIT, John F. Hematological effects of radiation, 23:50890 (PHS-999-RH-33, pp 54-8)
LOUTTIT, R. I. BNL work on Ne/H_2 targets, 25:34961 (CONF-700623-(Vol.1), pp 511-31)
Comments on quarks in air-shower cores, 24:12928
Fourteen-foot bubble chamber research, 21:26144 (BNL-11313)
Interaction cross section of Q^{-} enhancement, 24:51979
Interaction cross section of Q^{-} enhancement, 25:47756
LOUW, H. N. J. Precipitates in arc-melted thoria, 22:28954
LOUW, W. J. Separation of cadmium from silver and other elements, 23:397
Separation of carrier-free silver from rhodium, 23:6209
LOUWAGIE, A. C. Erythropoiesis in lethally irradiated mice grafted with bone marrow or spleen cells, 22:6876
Growth of haemopoietic spleen colonies after grafting of human bone marrow in mice, 24:34164
LOUWERSE, M. W. Ferroxcube for proton synchrotrons, 24:35749
LOUWRIER, K. P. Formation of colloidal solutions of Pu(IV) and the conversion into PuO_2 microspheres, 22:21750 (EUR-3737)
Formation of colloidal solutions of Pu(IV) and its conversion into PuO_2 microspheres, 23:3127
Sol-gel process development at European Institute for transuranium elements, Karlsruhe, Ger, 24:30014 (CONF-700502-, pp 244-52)
Sol-gel processes on plutonium oxide, 23:30125
LOUWRIER, Pieter W. F. Charge-transfer complexes as radiolytic products, 23:35246
Intermediates in γ-irradiated solutions of CCl_4, 23:37937
Positive charge migration in γ-irradiated organic solids, 23:300
Positive ions of γ-irradiated hydrocarbons, 24:20813
LOUWRIER, Pieter Willem Fredrik Calibration of radium (α,n) beryllium neutron source, 21:35391 (NP-16854)
LOUX, P. Ray theory seismic pulse: mathematics report, 21:36178 (NVO-1163-98)
LOUX, P. C. Analysis of ground motions and close-in physical effects, Rulison Event, 24:27254 (NVO-1163-206)
Seismic interference and reciprocity for the H E row charge, 23:35355 (PNE-611)
LOUX, Peter C. Ground motion predictions, 24:22840 (SWRHL-82, pp 334-56)
Seismic motions from Project Rulison, 24:20909 (PNE-R-18)
LOVAAS, A. I. Preparation of dry ^{228}Th source of thoron, 21:19710
LOVAAS, Arvin Device to measure ^{228}Th at natural levels, 22:2376
LOVAAS, Arvin I. Prog. rpt. on deposition and retention of simulated near-in fallout by food crops and livestock, 5/69, 24:17010 (AD-695683)
Radium-226 and ^{210}Pb in human teeth and bones, 22:51627
Retention of near-in fallout by field crops and livestock, 25:49076 (AD-715423)
LOVALLO, J. M. Automatic-ranging picoammeter for reactor control and protection, 25:57899
Lynchburg Pool Reactor protective system instrumentation, 25:60186
LOVANYI, I. Effect of ionizing radiation on preserved human blood, 21:41329
LOVANYI, Istvan Medical judgement of the employability of workers at places with radiation hazard, 23:43793
LOVAS, Francis John Radio frequency stark spectra of RbF, RbCl, CsF, CsCl, and NaI, 22:5045 (UCRL-17909)
LOVAS, I. Exactly soluble model for resonance scattering, 23:21391
Exactly soluble three-body model of resonance scattering, 25:9890
Interaction of α particles, 24:38319
Intermediate structure of cross sections, 23:21374 (ZFK-130, pp 1-10)
Isobaric analog resonances in nuclei of closed neutron shells, 22:7690 (JINR-E2-3551)
Isobaric analogue resonances in nuclei of closed neutron shells, 22:27254
Properties of low-lying states of ^{63}Cu in the single particle plus quasi-boson scheme, 21:44610 (ZFK-122, pp 330-4)
Three-body model for the isobaric analog resonance on even—odd target, 25:5872
Three-body model for the study of resonance phenomena, 25:18005
LOVAS, Istvan Resonance phenomena in nuclear reactions, 25:59876
LOVAS, R. G. Comparison of the most often used unbound state wave functions in a square well model, 25:53825
LOVASH, I. Exactly soluble model for resonance scattering, 22:44751 (JINR-E4-3837)
LOVATI, A. First relative results for particular critical configuration of reactor RB-2, 22:50828
LOVBERG, R. Prog. rpt. on physical processes in magnetoplasmadynamic arc, semiannual, 3—9/67, 22:39066 (N-68-13516)
Prog. rpt. on physical processes in magneto plasmadynamic arc, semiannual, 9/67—3/68, 23:1434 (N-68-27701)
Properties of the rotating spoke in an unstable pulsed MPD arc, 25:36111
LOVBERG, R. H. Internal physical measurements in MHD plasma accelerators, 25:36096
Prog. rpt. on coaxial gun for plasma propulsion, final, 5/15/62, 21:2226 (N-66-22244)
Prog. rpt. on physical processes in MPD arc, semiannual, 11/29/66, 21:18668 (N-67-13101)
Resistive instabilities in a low-energy theta pinch, 22:13525
LOVBERG, Ralph H. Methods of experimental physics. IX, 25:27689
LOVBORG, L. Portable γ-spectrometer for field use, 22:21337 (RISO-168)
Scaler-timer for portable instruments, 21:39309
LOVCHIKOVA, G. N. Inelastic scattering of fast neutrons by Cr, Ni, Y, Zr, and W nuclei, 25:14967
Inelastic scattering spectra of 14.1-MeV neutrons and nuclear level densities, 21:12063
Interaction between 14-MeV neutrons and nuclei of Fe, Cu, and Nb, 25:56684 (FEI-216)
Interaction of fast neutrons with Fe, Cu, and Nb nuclei, 25:25685
LOVE, A. Duality and nonlinear SU_3, 25:47930
Lack of dip systematics in strong cut models, 24:30531
New sum rules for nucleonic vertices, 24:10724
Nonlinear unitary symmetry, 25:33794
Sidewise dispersion relations, 23:21071
Sidewise dispersion relations and the nucleon anomalous magnetic moment, 25:1465
SU_3 x SU_3 representation mixing and electromagnetic form factors, 24:18250
LOVE, B. Planning and programming of a nuclear power station, 24:13505
LOVE, C. H. Normal mode representation of the high-frequency properties of an inhomogeneous plasma, 23:18699
Normal modes of a nonuniform plasma, 22:24295
Stability of an inhomogeneous beam—plasma system, 24:17961
Stability of inhomogeneous plasmas, 23:48919 (D-1-82-876)
LOVE, C. M. Feasibility study for large-scale separation of ^{210}Po from Bi metal by molecular distillation, 24:22727 (MLM-1661)
Physical, chemical, and biological data from northeast Pacific Ocean: Columbia River effluent area, 1—6/63. II, 21:28112 (RLO-1725-33)
Physical, chemical, and biological data from northeast Pacific Ocean: Columbia River effluent area, 1—6/63. V, 21:28115 (RLO-1725-36)
Physical, chemical, and biological data from northeast Pacific Ocean: Columbia River effluent area, 1—6/63. I, 21:28111 (RLO-1725-32)
Physical, chemical, and biological data from northeast Pacific Ocean: Columbia River effluent area, 1—6/63. IV, 21:28114 (RLO-1725-35)
Physical, chemical, and biological data from northeast Pacific Ocean: Columbia River effluent area, 1—6/63. VI, 21:28116 (RLO-1725-37)
Physical, chemical, and biological data from northeast Pacific Ocean: Columbia River effluent area, 1—6/63. III, 21:28113 (RLO-1725-34)
LOVE, Carl G. Nonlinear dynamic optimization technique for controlling xenon induced oscillations in large nuclear reactors, 25:60236
Use of a hybrid computer in feedback controller design, 24:38506
LOVE, D. L. Computer program for identifying and measuring components in a mixture of gamma-emitting radionuclides, 21:27897 (USNRDL-TR-67-46)
Pulsed reactor simulation of underwater nuclear explosions, 21:34160 (USNRDL-TR-67-45)
LOVE, D. P. Effects of damage by 0.8 MeV to 5.0 MeV protons in silicon surface-barrier detectors, 22:40512
Effects of damage by 0.8 MeV—5.0 MeV protons in silicon surface-barrier detectors, 23:758 (N-68-27456)
Low-energy proton damage effects in silicon surface-barrier detectors, 22:28268
Low-energy proton damage effects in silicon surface-barrier detectors, 22:36156 (N-68-15364)
LOVE, G. R. Critical state in hysteretic superconductors, 24:30285
Elastic moduli and Debye temperature of polycrystalline technetium, 24:10063
Electrical resistivity of Tc from 8.0 deg to 1700 deg K, 21:6808
Flux pinning by grain boundaries in superconducting niobium—zirconium alloys, 23:27526
Investigation of the vanadium—technetium alloy system, 22:31400
Superconducting materials, 22:8734 (ORNL-4170, pp 49-50)
Superconducting materials, 23:8214 (ORNL-4370, pp 45-6)
Superconducting materials, 24:2916 (ORNL-4470, pp 43-4)
Superconducting properties of Tc—30 pct V alloy, 23:48440
Superconducting properties of technetium, 21:25068
Superconductivity in Nb containing Gd or Y dispersions, 23:44370
LOVE, George C. Photogrammetric techniques associated with model studies of earth-moving explosions, 22:12462 (SC-DC-67-2330)
LOVE, Gordon R. CALCOMP plotting of x-ray pole figures, 22:12177 (ORNL-TM-2018)

Losses due to moving fluxoids in superconductors, 24:49100
LOVE, H. M. Work function of tungsten single crystals, 21:11395
LOVE, I. Nuclear screening tensors and nuclear spin coupling tensor, 25:20517
LOVE, J. B. STYLE: general digital computer code for analysis of steam cycles for marine and land-based power plants, 22:25136 (TRG-Report-940)
LOVE, J. E. Anthocyanin pigments in mutant and non-mutant Coleus plants, 22:17013
  Mutation induction in the sweet potato, 24:41828
  Response of some ornamental plants to fast neutrons, 21:36759
  Seedling responses of Vigna sinensis (L.) savi to gamma and neutron seed irradiation, 22:21638
LOVE, J. Grafton Thorium dioxide myelopathy, 21:41481
LOVE, J. L. 10,000 g photomultiplier, 22:40501
LOVE, Jesshill Thyroid isotope scans: a newer method, 22:28619
LOVE, John C. Coulomb-recoil-implantation Moessbauer experiments with ^{73}Ge, 21:18803
  Coulomb-recoil-implantation Moessbauer experiments with ^{73}Ge, 22:48195
  Moessbauer experiments with ^{61}Ni, 21:40065 (ORNL-P-3251)
  Moessbauer experiments with ^{61}Ni, 22:46746
LOVE, L. O. Calutron experiments with milligram quantities of charge material, 22:2469
  Calutron ion source with magnetic field inducing coil within arc chamber, 23:16043
  Effects in single-crystal Ge bombarded with 40-keV ions, 22:26492
  Electromagnetic separation and chemical refinement of lead isotopes, 21:30632 (ORNL-4107)
  Electromagnetic separation and chemical refinement of cerium isotopes, 21:30633 (ORNL-4127)
  Electromagnetic separation and chemical refinement of tungsten isotopes, 23:40946 (ORNL-4405)
  Equipment developments which reduce second-pass needs, 25:44518 (BMBW-FBK-70-28, pp 213-23)
  Helical multistage isotope separator, 25:23748
  Large scale and radioactive separations at ORNL, 25:44514 (BMBW-FBK-70-28, pp 176-96)
  Review of ORNL electromagnetic separations program, 1966—67, 22:37938 (ORNL-4271)
  Review of ORNL electromagnetic separations program, 1968—69, 25:41992 (ORNL-4640)
  Use of an electromagnetic isotope separator in preparing special research samples, 25:57650 (CONF-711002-, pp 10-20)
LOVE, R. M. Use of 8-hydroxyquinoline for separation of ^{90}Y in determination of ^{90}Sr in biological materials, 21:2943
LOVE, T. A. Absolute efficiency measurements of ^{213}Ne organic phosphors for detecting 14.5- and 2.7-MeV neutrons, 22:23295
  Calibration of an organic scintillator for neutron spectrometry, 23:682
  Differential cross sections for charged particles produced by 60-MeV protons of C, Fe, and Bi, 22:41952 (ORNL-4274)
  Differential cross sections for production of protons in reactions of approximately 160-MeV protons on nuclei, 22:18136
  Distorted-wave analysis of inelastic scattering of 61.7 MeV protons from ^{60}Ni, 21:33915
  Elastic and inelastic scattering of protons from ^{120}Sn for E/sub p/ = 20.6, 25.2, 30.6, and 36.2 MeV, 22:29984 (ORNL-4252)
  Energy calibration of a proton-recoil proportional counter, 25:23774 (ORNL-TM-3347)
  Establishing an energy scale for pulse-height distributions from gamma-ray spectrometers based on inorganic scintillators, 22:343 (ORNL-4118)
  Fast neutron spectrometer utilizing lithium containing films, 21:3312
  Pre-target monitor for the intensity and time distribution of a proton beam, 25:36631
  Simultaneous fast-neutron spectral measurements by time-of-flight and pulse-height unfolding techniques, 25:4366
  The energy spectrum of photoneutrons produced by 140-MeV electrons incident on tantalum, 25:14990
LOVE, Temple A. Four parameter E vs dE/dx and time-of-flight computerized charged particle experiment, 22:28086
LOVE, W. Brookhaven On-Line Data Facility, 23:25720 (BNL-13478)
LOVE, W. A. Experimental test of the pion—nucleon forward dispersion relations at high energies, 21:33700
  High-energy, small-angle, p—p and anti p—p scattering, and p—p total cross sections, 21:44262
  High-precision π^{+-}-p total cross sections from 8 to 29 GeV/c, 21:37708
  N* production in π^{+-}-p and p—p interactions, 21:37701
  Observation of K^0K^- mass spectrum in A$_2$-meson region, 25:17394
  Test of the pion—nucleon forward dispersion relations, 23:36851
LOVE, W. D. Buffer storage interface for recording individual scintillation pulses on magnetic tape, 22:544
  Focusing collimators for use with ^{86}Rb and ^{42}K, 21:10998
  Mapping myocardial mass and regional coronary blood flow, 24:9888
  Myocardial blood flow and ^{86}Rb clearance in left atrium, 21:32573
  Regional heart ^{42}K clearance determined by computer analysis of serial digital scans, 21:32695
LOVE, W. G. Core polarization and scattering of 155-MeV protons, 22:27270
  Core polarization and the microscopic model of inelastic scattering, 21:40502
  Exchange effects with a realistic interaction for inelastic scattering, 25:12676
  Generalized core-polarization model for inelastic scattering, 25:50832
  Inelastic scattering of 61 MeV protons from ^{89}Y and associated reaction mechanisms, 24:3902
  Inelastic scattering, charge exchange, and knock-out reactions, 25:20508
  Nucleon—nucleon spin-orbit interaction in the inelastic excitation of high spin states in ^{90}Zr, 25:43915
  Realistic interaction calculations of (p,n) reactions, 24:22099
  Realistic interactions and exchange effects in the inelastic scattering of protons, 23:44920
  Scattering of 24.5-MeV protons from ^{89}Y, 23:15391
  Second-quantized formulation of inelastic scattering including core polarization, 23:23758
LOVE, Wendell L. Experiment on the MHD-driven rotating flow for a gas-core nuclear rocket, 24:50201
LOVE, William Gary Effective nucleon—nucleon interactions and the microscopic description of nucleon-nucleus scattering, 23:1933 (TID-24733)
  Nucleon—nucleon interactions and scattering, 24:15958
LOVEDAY, George Christopher Detecting apparatus for radiation, 25:18686
LOVEGROVE, F. T. A. Scintiscanning in the detection and diagnosis of subdural hematoma and hygroma, 25:46907
LOVEGROVE, P. C. Frequency and velocity measurements of disturbance waves in annular two-phase flow, 23:43429 (AERE-R-4304)
LOVEJOY, P. T. In-pile mechanical properties of nuclear fuels, .21:8161
  In-reactor mechanical properties of nuclear fuels, 21:11296 (KAPL-P-3177)
  LWB/LSBR development program: in-pile mechanical properties of nuclear fuels, 23:9242 (KAPL-3167)
LOVELACE, A. M. Thermomechanical properties of a Ta—W—Hf alloy, 25:49435
LOVELACE, C. Evidence from πp phase shift analysis for nine more possible nucleon resonances, 22:13757
  K^+p Reggeized phase shift analysis, 25:28043
  M-loop generalized Veneziano formula, 24:49366
  Novel application of Regge trajectories, 23:8801
  Nucleon resonances and low energy scattering, 22:32151
  Phase shifts $\pi\pi$, Kπ, K anti K and their off shell dependence from unitarized Veneziano formula, 24:30504 (CONF-690521-, pp 562-618)
  Phase-shift analysis of $\pi^-p \to K^0\Lambda$, 25:14727
  PiN phase shift analysis, 24:5296
  Pomeron form factors and dual Regge cuts, 25:25539
  Regge fits with Veneziano residues, 23:46722
  Relation between Regge cut theories, 25:47990
  Simple N-reggeon vertex, 24:45580
  Uniqueness and symmetry breaking in S-matrix theory, 21:19071
  Veneziano formula, 25:1484 (CONF-691202-, Paper 3)
  Veneziano theory, 25:7633
LOVELACE, F. E. Distribution of parenterally administered ^{45}Ca in bones of growing pigs, 24:9748
LOVELACE, R. V. Application of intense relativistic electron beams to Astron-type experiments, 25:38492 (CONF-710607-12)
  Minimum observable diameter of radio sources, 25:9084
  Precession of a strong E-layer, 25:11924 (NYO-4077-1, Paper 1)
LOVELACE, R. V. E. Crab Nebula Pulsar NP 0532, 23:14481
  Digital search methods for pulsars, 23:25060
  Intensity variations of pulsar CP 1919, 23:6818
  Interplanetary scintillations, 24:19721
LOVELACE, Richard V. E. Theory and analysis of interplanetary scintillations, 25:45215
LOVELADY, J. L. Integrated ion source gas control and ^{3}He recovery system, 25:50291
LOVELAND, C. W. Advantages and economic aspects of laminated uranium shipping casks, 22:45264 (KY-D-2554)
  Demonstration fuel element shipping cask from laminated uranium metal. II, 23:19923 (KY-551)
  Demonstration fuel element shipping cask from laminated uranium metal. I, 23:24414 (KY-550)
LOVELAND, W. Identification of single-particle states in the fission transition nucleus ^{235}U, 21:33994
  Structure of fission transition nucleus ^{235}U, 22:42029
  Use of a time-sharing computer in nuclear chemistry, 23:22128
  Use of a time-sharing computer in nuclear chemistry, 23:29263
LOVELAND, W. A. Centralized data acquisition and time-sharing message switching system, 25:37219 (RLO-2227-T-7-7)
LOVELAND, W. D. Alpha-particle emission during nuclear fission at moderate excitation energies, 22:3720
  Angular correlations in (d,pf) reaction, 22:37359
LOVELAND, Walter D. Prog. rpt. on nuclear chemistry, 3/15/70—3/15/71, 25:38996 (RLO-2227-T-7-1)
  Prog. rpt. on nuclear chemistry, 3/69, 23:28301 (RLO-2060-1)
  Prog. rpt. on nuclear chemistry, annual, 3/15/69—3/15/70, 24:40619 (RLO-2060-8)
LOVELAND, Walter David Doubly charged particle emission during nuclear fission at moderate excitation energies, 21:19283
LOVELESS, A. Genetic and allied effects of alkylating agents, 22:12840
LOVELESS, Arthur John Composition of Gd, Sm, and Eu in Abee meteorite, 25:45161
LOVELESS, Charles M. Relationships of physiography and microclimate to fallout deposition, 22:40269
LOVELESS, R. Decay $\Sigma^{+-} \to \Lambda e^{+-}\nu$, 23:21045
LOVELESS, R. J. Branching ratio for $\Lambda \to p\mu\nu$, 25:40867
  Particle momentum distributions for 8.5-GeV/c π^+p interactions, 25:59317
  Strangeness-changing leptonic decay rates for Σ^{+-} hyperons, 25:59261
LOVELESS, Richard John Measurement of the leptonic branching ratios of the charged sigma hyperon, 24:49312
LOVELL, A. J. Creep rate correlation in solution-treated Type 304 and 316 stainless steels, 25:4007 (WHAN-FR-25)
  Creep rupture properties of Type 316 stainless steel after high-temperature irradiation, 25:40078
  Effects of neutron irradiation on the tensile properties of annealed Type-410 stainless steel, 22:4835
  Influence of boron on the creep-rupture properties of a neutron irradiated precipitation hardening iron base alloy, 21:18296 (CONF-660627-14)
  Mechanical properties of EBR-II irradiated 20 percent cold-worked Type 316 stainless steel, 25:5949
  Mechanical properties of fast reactor irradiated austenitic stainless steel weldment materials, 25:58296 (HEDL-SA-196)
  Postirradiation creep-rupture properties of AISI Type-304 stainless steel, 23:36150
  Postirradiation creep-rupture properties of AISI type-316 stainless steel, 24:6227
  Postirradiation tensile behavior of 300 series stainless steels, 22:34079 (BNWL-SA-1455)
  Postirradiation tensile properties of annealed and cold-worked 348 stainless steel, 23:3098
  Uniaxial and biaxial creep-rupture of Type 316 stainless steel after fast reactor irradiation, 25:4816 (WHAN-FR-19)
LOVELL, A. L. Diffusion in ceramic materials, 21:13270
LOVELL, Bernard Observation of prolonged radio emission from a red dwarf star, 23:34149
  Sporadic outbursts of red-dwarf stars, 25:58443
LOVELL, C. N. Zirconium base alloy, 23:16475
LOVELL, D. T. Process development for diffusion welding Ti—6Al—4V alloy, 24:29931
  Prog. rpt. on dissimilar metal joining by solid state welding, final, 10/1/66, 22:629 (N-67-19274)
LOVELL, G. H. B. Fabrication and properties of urano—uranic oxide (U$_3$O$_8$), 24:23511 (PEL-195)
LOVELL, Larry P. Differential UBV photometry of β Lyrae. I, 24:27919
  Differential UBV photometry of β Lyrae. II, 25:40199
  Periastron effect in β Arietis, 25:40200
LOVELL, Lawrence Wheeler rho^0 and f^0 resonance production in 3.65-GeV/c π^+d interactions, 24:3524
LOVELL, P. K. Effects of increasing the exchange interval for personnel dosimetry films, 22:28490
LOVELL, R. R. SERT I ion rocket flight test, 22:13298
LOVELL, S. Measurement of superficial density of thin self-supporting metal films by electron transmission, 23:2709
LOVELL, S. P. Evidence for a neutron excess in the surface of heavy nuclei from a K^- meson capture study, 21:25489
  Study of $(\Sigma^{+-}\pi^{+-})$ pair emission from K^- meson absorptions at rest by emulsion nuclei, 22:29641
LOVELLETTE, Edward J. Chromosome substitution and radiosensitivity in Drosophila melanogaster, 21:36713
LOVELOCK, D. Alternative approach to commutation relations associated with particles of higher spin, 21:35278
  Spherically symmetric solution of the Maxwell—Einstein equation, 21:40134
  Weakened field equations in general relativity admitting an "unphysical" metric, 21:37648
LOVELOCK, David Einstein field equations in a four-dimensional space, 23:42746
  Einstein tensor and its generalizations, 25:28085
  Lanczos identity and its generalizations, 21:42214
LOVELOCK, J. E. Design of ^{63}Ni electron absorption detector, 21:45444
LOVELOCK, James Ephraim Detectors for detecting gases and vapors, 21:39091
  Improvements in or relating to gas ionisation detectors, 22:23356
LOVELOCK, James Ephriam Gas ionization detectors, 23:712
LOVERA, G. 27-day oscillation in cosmic-ray intensity and shorter periodicities, 25:27472
  Grain counting in nuclear emulsions, 25:2457
  Shrinkage factor in nuclear emulsions, 23:7744
LOVERA, Giuseppe Quasi-periodic 13-day variations of cosmic-ray intensity (1938 to 1954), 23:3306
LOVERADO, Andre Curietron, a new tool for plesioradiotherapy, 24:39120
LOVERDO, A. Applications of density gages in pipes, 23:45568
  Industrial uses of radioelements, 22:33679
LOVERIDGE, B. A. Microanalytical estimation of B in steel using the $^{10}B(n,\alpha)^7Li$ reaction, 22:27610
  Radioiodine in Harwell effluent, 21:25766 (AERE-R-5406)
  Versatile programed fraction collector, 21:10411 (AERE-R-4766)
LOVERIDGE, W. D. Age determinations and isotopic abundance measurements on lunar samples, 24:21525
LOVERING, J. F. Decay constant for spontaneous fission of natural uranium, 25:46084
  Lead isotopes and eclogite inclusions in deep-seated pipes, 22:42857
  Lexan plastic prints, 25:283
  Lexan plastic prints: how are they formed, 25:44341
  Rhenium and nonradiogenic osmium in Australian molybdenites and other sulfide minerals by neutron activation analysis, 23:31322
  Rhenium and osmium abundances in chondritic meteorites, 22:15
  Spatial parameters K and α in equations for fission-track uranium analysis, 25:408
  Spatial parameters k and α in equations for fission track uranium analysis, 25:44630
  Strontium isotopic geochemistry of granulitic and eclogitic inclusions, 23:38097
  Uranium and thorium abundances in carbonaceous chondrites, 21:16002

Uranium and thorium abundances in chondritic meteorites, 23:2214
Uranium and thorium in some basic and ultra basic rocks of possible deep-seated origin, 25:54495
Uranium distribution in rocks by fission-track registration in Lexan plastic, 21:24120
Uranium distribution in ultramafic inclusions, 23:33279
LOVERING, John F. Abundance of mercury in meteorites and rocks by neutron activation analysis, 21:19580
LOVESEY, S. W. Comment on the intensity of the single spin-wave neutron cross section, 24:26577
Distribution of magnetization in mixed magnetic systems. II, 21:833
Distribution of magnetization in mixed magnetic systems. I, 21:832
Electrostatic scattering of thermal neutrons by solids, 23:39573
Inelastic neutron cross section for a magnetic impurity in a Heisenberg ferromagnet, 21:46647
Interactions of neutrons with solids, 24:10636
Neutron orbital cross section for a tight-binding model of paramagnetic nickel, 25:56354
Some aspects of the theory of the scattering of neutrons by magnetic ions, 23:25769
Spin-wave theory of impurity states in a Heisenberg antiferromagnet. II, 23:15341
Theory of thermal neutron scattering from crystals, 24:52378
Use of neutrons in the study of solids and liquids, 24:40184
LOVETSKII, E. E. Electron acceleration in plasma placed in a strong electrical field, 21:18734
Oscillations of bounded collisionless plasma, 25:22552
Surface waves in a current-carrying plasma enclosed by conducting walls, 22:39115
Theory of the instability of current plasma confined between conducting walls, 21:18768
LOVETT, D. B. Flux monitor utilizing track-etch film for unattended safeguards application, 25:4341
Radon-daughter exposure measurement with track etch films, 23:22051
Track etch detectors for alpha exposure estimation, 23:22053
Track-etch research and development, 25:4345
Uranium and boron content of water by particle track etching, 23:616
LOVETT, James E. Calculation of inventory uncertainty by estimate sampling, 24:439
Concepts of the closed material balance, 25:39687
LOVILL, James E. Dynamics of structure of atmosphere over mountainous terrain, 24:29112 (COO-1340-20)
LOVING, J. J. Feasibility of a chemical poison loop system, 21:1203 (WCAP-2993)
In-core instrumentation (flux-mapping system and thermocouples), 25:48274 (WCAP-7607)
Neutron, temperature, and gamma sensors for pressurized water reactors, 24:38505
Reactor core measurements at connecticut yankee and zorita, 24:40727
LOVINS, Robert E. Sequence analysis of complex protein mixtures by isotope dilution and mass spectrometry, 24:31239
LOVISATTI, L. Radioactive isotopes and thermographic findings in bone localizations of systemic diseases, 25:29588
Scintigraphic and thermographic detection of bone metastases, 25:29589
LOVISETTO, P. Serum changes accompanying responsiveness and resistance to cancer, 23:804
LOVITCH, L. Binding energies and wave functions of three bosons interacting through local potentials, 24:6674
Hypernucleus ^{4}He/sub Λ/, 21:46552
Stability of ^{6}Li-Λ, 22:11634
Three-body model of isobaric triplet A = 6, 22:48466
LOVITCH, Lionel Soft core and two-nucleon tensor forces, 21:1133
Three-body model of ^{6}Li, 23:25823
Two- and three-body model of Λ-^{4}He, 23:25649
Velocity-dependent potentials and the binding energy of the triton, 21:25321
LOVLYA, S. A. Application of nuclear explosions in the extraction of oil, 22:12468 (UCRL-Trans-10200)
LOVOLD, K. Magnetic structure of Er$_6$WO$_{12}$, 25:5216
LOVYAKIN, E. M. Flaw detection in finned, thin-walled tubes, 23:33361
LOW, A. H. Investigation of speed instability in hydrostatic extrusion, 23:40918 (NP-17985)
LOW, B.-C. Kinematic-dynamo action under incompressible, isotropic velocity turbulence, 25:52568
LOW, E. W. E. Pressure tests on end slabs for prestressed concrete pressure vessels, 22:12485
Pressure vessel for a high-temperature gas-cooled reactor, 23:11207
Ultimate pressure analysis of deep end slabs for prestressed concrete pressure vessels, 23:33293 (NP-17904)
Ultimate pressure analysis of deep end slabs, 24:33834
Use of simplified models for the design of end slabs, 25:29304
LOW, F. E. Consistency of current algebras, 22:5592
Current algebra and non-Regge behavior of weak amplitudes, 21:7567
Current algebra and non-Regge behavior of weak amplitudes. II, 21:33681
Current algebras in a simple model, 21:13737
Electromagnetic mass difference of pions, 21:23322
Elementarity, 21:42285
Generalized O(2,1) expansion for asymptotically growing amplitudes, 25:36547
Helicity poles, triple Regge behavior and single particle spectra in high energy collisions, 25:19926 (NYO-2262-TA-234)
Helicity poles, triple-Regge behavior, and single-particle spectra in high-energy collisions, 25:33675
High-energy behavior of scattering amplitudes, 24:35725
High-energy limit of photon scattering on hadrons, 21:42310
High-energy scattering. I, 25:7650
High-energy scattering. II, 25:25530
Higher symmetries, 21:15367
Integral equation for scattering amplitudes, 23:13138
Multiperipheral model, 23:44728
Photon scattering from bound atomic systems at very high energy, 23:15026
Problems of the theory of weak interactions, 23:44632
Quantum electrodynamics, 24:5338
Radiative corrections to β decay and the quantum numbers of fields underlying current algebra, 21:29492
Superconvergence, 21:42286
Symmetries and elementary particles, 21:11798
Two-particle distributions and the nature of the Pomeranchuk singularity, 25:40970
Weinstein's predecay mixing effect, 21:9769
LOW, F. J. Discovery of infrared nebula in Orion, 21:34983
Far-infrared emission from H II regions, 25:24765
Far-infrared observations of the galactic center, 24:19675
Infrared emission of Novae, 24:39762
Infrared observations of galaxies and of extended nucleus in M82, 24:46970
Infrared observations of planetary nebula NGC 7027, 22:5003
Infrared observations on the size of NGC 1068, 25:33019
Infrared spectrum, diameter, and polarization of the galactic nucleus, 23:41882
Map of galactic nucleus at 10 μm, 25:58639
Narrow-band infrared photometry of α Ori, 25:2826
Observations of galactic and extragalactic sources between 50 and 300 microns, 25:7091
Observations of infrared galaxies, 24:19676
Photometric and spectroscopic observations of infrared stars, 24:27949
Solar intensity profile in far ir and mm regions, 22:17288
Spectrum of NML Cygnus from 2.8 to 5.6 microns, 22:49905
Stellar spectra from 2.8 to 14 microns, 23:5097
LOW, Francis Dynamics of strong interactions, 21:31577
LOW, Francis E. Breakdown of reflection symmetries, 21:19030
Current algebra and sum rules, 22:17883
Difficulties of the theory of weak interactions, 22:22370
Divergence difficulties in theory of weak interactions, 23:25591
Elementarity. I, 21:42279
Integral equation for scattering amplitudes, 23:44725 (AD-686370)
Multiplet mass differences, 22:48345
Regge behavior and multiperipheral processes. I and II, 23:37009 (BNL-50162)
Strong symmetries and weak currents, 21:46524
Symmetries and elementary particles, 22:35064
LOW, Frank H. Radioisotope measurement in nuclear medicine, 24:19331
LOW, Frank J. Contribution of infrared galaxies to the cosmic background, 23:5187
Infrared astrophysics, 23:25041
Infrared observations of a preplanetary system, 21:9267
Infrared-galaxy phenomenon, 24:19677
LOW, G. G. Investigation of magnetic structure and dynamics in solids with neutron beams, 22:46215
Investigations of magnetic materials using neutron scattering, 23:16893
Magnetic neutron scattering from atoms dissolved in ferromagnetic iron and nickel, 22:24809
Measurements of diffuse magnetic scattering of neutrons in ferromagnetic alloys, 22:26782
Use of research reactors in UK for neutron beam studies of condensed matter, 25:54180 (A/CONF.49/P-486)
LOW, M. J. D. Sorption of activated H on Vycor glass, 21:6180
LOW, N. M. P. Lattice contraction of hot-pressed calcia-stabilized zirconia, 24:14941
LOW, W. Applied solid-state physics, 25:17296
Optical and ESR spectrum of Yb, 23:18737
Phase velocity and attenuation of hypersound in water of different isotopic constitution, 24:31304
LOW-BEER, Anne de G. Prog. rpt. on bioassay program, annual, 7/68—6/69, 24:14479 (UCRL-19354)
LOW-BEER, Anne deG Actinide element studies with Si(Li) wound counter, 24:29748 (UCRL-18793, pp 128-34)
Conference on bioassay and analytical chemistry, Lawrence Radiation Lab., Berkeley, Calif., 10/67, 22:37652 (UCRL-18140)
LOWDE, R. D. Temperature dependence of the generalized susceptibility of nickel, 22:24805
LOWDER, James T. Fabrication of fully dense (U,Ta)C alloys by powder-metallurgy techniques, 22:36523 (BMI-1840)
LOWDER, W. M. Assessment of radioactive contamination in the environment by field gamma spectrometry, 25:16184
Measurement of cosmic-ray ionization in the atmosphere, 1968—70, 24:45086 (HASL-234)
LOWDER, Wayne M. Cosmic-ray ionization in the lower atmosphere, 21:23120
Environmental radiation in the U.S.A, 22:2214
Environmental radiation survey in northern New England, 22:2220
Low-energy atmospheric gamma radiation as a measure of cosmic-ray secondary electron flux, 23:36540 (HASL-209)
Natural radiation environment, 22:2197
Natural radioactivity and radiation, 25:32070 (HASL-242, pp I.2-23)
LOWDIN, Per-Olov Conference on atomic, molecular, and solid-state theory, Sanibel Island, Florida, 1/67, 22:26545
LOWE, A. E. Computerised scanner for bidimensional radiochromatograms, 25:15911
LOWE, A. L. Jr. Application of experimental data to analytical evaluation of cladding failure distribution, 24:33371
Application of experimental data to analytical evaluation of cladding failure distribution, 25:40029
Corrosion behavior of Zircaloy-4: evaluation of surface conditions, 21:6766
Effect of hydrogen on mechanical properties of Zircaloy-4, 22:4741
Effect of irradiation on the mechanical properties of 19-9DL alloy, 25:42923
Effects of hydrogen and precipitated hydrides on mechanical properties of Zircaloy-4, 22:28776 (BAW-3765-6)
LOWE, Arthur T. Prog. rpt. on solid state chemistry of rare earth oxides, annual, 6/30/69—7/1/70, 24:51219 (COO-1109-52)
LOWE, B. G. 385 MeV measurement of (p,2p) cross sections, 24:6867
Measurement of ^{12}C(p,2p) reaction at 385 MeV, 23:46914
Measurement of production cross section of ^{11}C from natural carbon for 385 MeV protons, 22:20463
Two particle spectrometer for the (p,2p) reaction, 24:2481
LOWE, B. M. Behavior of H electrode in $H_2O + D_2O$ mixtures, 24:11517
Dissociation constants of amino acids in deuterium oxide, 24:38832
Measurement of solvent isotope effects with the glass electrode. I, 21:32185
Measurement of solvent isotope effects with glass electrode. II, 22:45053
LOWE, C. A. Photosensitivity of clear perspex dosimeters, 21:10685
LOWE, E. P. Irradiated arthrospore vaccine against coccidioidomycosis in mice, 22:8492
LOWE, H. Gasification of reactor graphite with carbon dioxide and steam, 23:27207 (BNWL-tr-27)
LOWE, Henry J. Fluorescence detection: application to the study of cerebral blood flow, 24:12162
LOWE, I. J. Fast recovery probe and receiver for pulsed nuclear magnetic resonance spectroscopy, 22:19223
LOWE, I. R. G. Diffusion of water in concrete at temperatures between 50 and 95 deg C, 21:9643
LOWE, J. Analysis of inelastic scattering of polarized protons by ^{11}B, 25:22982
Branching-ratio measurements on 6.92- and 7.12-MeV states in ^{16}O, 22:3612
Collective-model analysis of inelastic proton scattering using potentials derived from nuclear matter distributions, 25:38937
Collective-model analysis of inelastic proton scattering using potentials derived from nuclear matter distributions, 25:53717
Elastic and inelastic scattering of 30.4-MeV protons by ^{54}Fe, 21:27541
Elastic scattering of 26.3 and 30 MeV protons, 21:5492
Elastic scattering of 30.3-MeV polarized protons from ^{40}Ca, ^{56}Fe, and ^{59}Co, 25:34016
Elastic scattering of polarized protons from ^{58}Ni, ^{120}Sn, and ^{208}Pb, 25:3636
Elastic scattering of protons by ^{16}O in energy range 16 to 30 MeV, 23:39968
Gamma-ray decay of the 6.92-, 7.12-, and 13.10-MeV states in ^{16}O, 22:50532
Iron-54, ^{60}Ni(p,p) and (p,p'γ), 25:3613
Microscopic analysis of 30.3-MeV inelastic proton scattering by light nuclei, 25:53646
Nitrogen-15(p,$\gamma_1\gamma$)^{16}O and deformed giant resonance in ^{16}O, 25:17736
Polarization in ^{11}B(p,p) and ^{11}B(p,p') at 30.3 MeV, 23:42868
Polarization in ^{11}B(p,p') at 30.3 MeV, 24:43142
Polarization in elastic scattering of 25- and 30-MeV protons from complex nuclei, 21:21495
Polarization in the elastic scattering of 49 Mev protons by Ca, ^{58}Ni, ^{60}Ni, and ^{208}Pb, 21:1062
Polarization in the scattering of 20- to 30-MeV protons by C, 21:21451
Resonance effects in proton—oxygen elastic scattering, 24:43153
Scattering of polarized protons by ^{54} ^{56}Fe, ^{58}Ni, ^{120}Sn, and ^{208}Pb, 24:52518
Strong-coupling analysis of proton scattering and polarization at 30 and 50 MeV, 21:21452
Uptake of colloidal radioactive yttrium by synovial membrane, 23:45845
LOWE, J. N. Beryllium technology, 24:14724
Mechanism for pressure-sintering (hot pressing) of beryllium, 22:41019
LOWE, J. T. Calculation of the transient behavior of solvent extraction processes, 22:33540
Isolation of ^{147}Pm by rapid cation exchange chromatography, 23:35130 (DP-1194)
Rapid gram-scale separation of Cm from Am and lanthanides by cation exchange chromatography, 23:28970
Steady-state solvent extraction calculations for curium recovery, 22:21164
LOWE, John P. Improved bond-stretching-energy curves from the integral Hellmann—Feynman method, 23:20681
LOWE, John R. Kinetics and mechanism of trimethylamine—haloborane hydrolysis, 24:29248
LOWE, John T. Recovery of ^{147}Pm from Savannah River Plant waste, 25:211 (DP-1236)
LOWE, K. Compensating for flux variation in neutron activation analysis, 22:30433 (NIM-177)
Observations on automation of TBP method for determining U, 22:27539 (NIM-156)
LOWE, L. F. Radiation damage in Pd produced by 1- to 3-MeV electrons, 21:13643
Resistivity and annealing properties of implanted Si:H$^+$, 25:19822

- LOWE, Lester F. Internally calibrated electron spectrometer for accelerator energy monitoring, 23:25715 (AD-678100)
  - Method of measuring ion beam homogeneity, 25:25587
- LOWE, O. A. Compilation of published information on elemental concentrations in human organs in both normal and diseased states. I, 25:34493 (UCRL-51013(Pt.1))
- LOWE, Ora A. X-ray fluorescence analysis applied to biological problems, 21:28346 (UCRL-70351)
- LOWE, P. A. Stability analysis of a rigid blade in parallel fluid flow, 24:52882 (ANL-7685, pp 321-34)
  - Stability calculational procedure for flow-induced vibrations of reactor internals in parallel flow, 25:57086 (CONF-710302-(Vol.1), pp 356-9)
- LOWE, Phillip A. Two-dimensional turbulent-flow mixing model for parallel-flow rod bundles, 21:38757
  - Two-dimensional turbulent-flow mixing model for parallel-flow rod bundles, 22:22875
- LOWE, R. A. Internal cathodic protection of water cooled plant, 25:2634
- LOWE, R. P. Rotational excitation in Li$^+$—N$_2$ collisions, 25:49748
- LOWE-JINDE, Louise Heavy water and hydrostatic pressure effects on Tetrahymena pyriformis, 23:48189
- LOWELL, A. F. Canadian view of the U supply situation, 24:16718
- LOWELL, C. E. Solid solution of boron in graphite, 21:22914
- LOWELL, David M. Carcinoma of male breast following radiation, 23:4986
- LOWELL, H. J. Radiation effects on coupon properties, 23:16499 (BNWL-746, pp 7.1-34)
- LOWELL, J. Action of dislocations on pinning in a superconducting single crystal, 23:30458
  - Almost ideal behavior in some type-II superconducting alloys, 21:33296
  - Anisotropy in the mixed state thermal conductivity of niobium, 22:26504
  - Contribution of surface current-carrying capacity of Type-II superconductors, 23:12736
  - Critical surface current of a type-II superconductor, 22:13413
  - Effect of temperature and Mo on magnetic behavior of superconducting Nb, 22:44056
  - Flux pinning in thermodynamically reversible type-II superconductors, 23:23027
  - Frictional force on a moving fluxon, 24:26128
  - Geometrical effects in the critical currents of type-II superconductors, 21:29159
  - Influence of concentration gradients on mixed-state critical surface currents of Type II superconductors, 25:47476
  - Meissner effect in thin plates of type-II superconductors, 22:7236
  - Mixed-state thermal conductivity of clean and dirty type-II superconductors, 22:1125
  - Mixed-state thermal conductivity of type II superconductors, 25:1129
  - Surface currents in type II superconductors, 21:16879
  - Surface superconductivity in dilute type II alloys, 22:13021
  - Thermally induced voltages in the mixed state of type-II superconductors, 21:20887
  - Transport properties of dirty type-II superconductors in high magnetic fields, 23:42198
- LOWEN, Louise Orbit of the Hyades spectroscopic binary 51 Tauri, 25:40189
- LOWEN, R. W. Method for calculation of average radiation fluxes on satellites, 21:9466
  - Some new methods for space shielding calculations, 21:9641
- LOWEN, W. Control of a nuclear reactor using ^{3}He gas control elements, 21:8030
  - Placental scanning, 23:24759
- LOWEN, Walter Control of a nuclear reactor with a gaseous control system, 21:38461 (NASA-TN-D-4093)
- LOWENBERG, A. L. Low cycle fatigue tests on ATR piping system mock-ups, 23:40396 (TID-25139)
- LOWENHAR, Herman Hardened electronics, 23:50235
- LOWENHAUPT, E. H. Oxygen and carbon content of lanthanide and actinide metals, 21:14167
- LOWENHAUPT, Edward Harris Investigation of the oxygen and carbon contamination of some lanthanide and actinide metals, 21:4437 (UCRL-17071)
- LOWENSTEIN, Derek Irving K^0 $\to$ $\pi^+\pi^-$ time dependence, 25:12078
- LOWENSTEIN, J. H. Differential vertex operations in Lagrangian field theory, 25:45797 (NYO-3829-72)
  - Locally generated dilatation charge in Thirring model, 25:5408 (NYO-3829-61)
  - Locally generated dilatation charge in Thirring model, 25:30993
  - Normal product quantization of currents in Lagrangian field theory, 25:41059 (NYO-3829-67)
- LOWENSTEIN, John H. Normal products in the Thirring model, 24:30558
- LOWENSTEIN, John Hood Topics in theory of Lie fields, 21:42447
- LOWENSTEIN, L. Effect of irradiation in vitro on mixed leukocyte cultures and on leukocyte cultures with phytohemagglutinin, 22:19292
- LOWENSTEIN, Louis Factors affecting the strength of "one-way" stimulation with irradiated leukocytes in mixed leukocyte cultures, 22:40561
- LOWENSTEIN, M. Z. Growth and x-ray studies of single crystals of higher oxides of praseodymium and terbium, 25:51467 (CONF-711001-(Vol.1), pp 84-95)
- LOWENTHAL, G. Beta branching ratio and conversion coefficients in ^{137}Cs decay, 23:7285
- LOWENTHAL, G. C. Absolute activity measurements of ^{99}Mo and /sup 99m/Tc, 21:34208 (AAEC/TM-374)
  - Accurate measurements of drop weights by the extrapolation method, 21:14516
  - Correction for gamma sensitivity of a 4π coincidence counter as a function of the gamma discrimination level measured for ^{54}Mn and ^{60}Co, 23:17765
  - Re-entrant well gas flow proportional counter for radioactivity measurements of solutions containing ^{35}S and other radionuclides, 23:11810
  - Secondary standard instruments for the activity measurement of pure β emitters, 23:38268
  - Stirring radioactive solutions when making thin 4π counting sources, 24:50526
- LOWER, Richard R. Electron microscopic changes following canine cardiac allografts: the effects of irradiation, 25:26677
- LOWERS, R. Nanosecond pulse radiolysis studies of the reaction of ions in cyclohexane solutions, 22:21129
- LOWERY, Andrew Apparatus for measuring hydrogenous material utilizing radioactive source, 24:16907
- LOWERY, K. Secondary unimolecular reactions subsequent to substitution reactions by high-energy ^{38}Cl and ^{39}Cl atoms, 25:15713
- LOWERY, R. R. Evaluation of W—25Re produced by both arc-melting and powder metallurgy, 22:23731 (USBM-RC-1274)
  - Tungsten and dispersion-strengthened tungsten made by freeze drying, 25:22136 (BM-RI-7485)
- LOWERY, Virgil W. Progress in reactor physics, 23:17269 (WASH-1125)
- LOWES, F. Nuclear single-purpose multi-stage-flash plant, 23:49639
- LOWES, F. J. Magnetism and the cosmos, 21:39777
- LOWKE, J. J. Characteristics of radiation-dominated electric arcs, 24:30344
- LOWKE, John J. Theory of electron diffusion parallel to electric fields. II, 23:23319
  - Theory of electron diffusion parallel to electric fields. I, 23:23318
- LOWMAN, C. Space radiation effects in scintillating material, 25:21506
- LOWMAN, Doreen M. R. Effect of a monoamine oxidase inhibitor on radiation protection by 5-hydroxytryptophan, 24:6061
  - Further studies on plasma transaminase of irradiated mice, 23:20399
  - Relative radioprotective abilities of 5-hydroxytryptophan and 5-hydroxytryptamine, 23:10009
- LOWMAN, F. G. Distribution of trace elements in the marine environment, 21:16303
  - Effects of marine biosphere, hydrosphere and geosphere upon specific activity of contaminant radionuclides, 23:29466 (CONF-690406-10)
  - Mathematical models used to compute time and space dependent contaminant concentrations in seawater, 24:39087 (PRNC-135, pp 287-94)
  - Prog. rpt. on marine biology, 6/66—6/67, 22:21407 (PRNC-104)
  - Prog. rpt. on marine biology, annual, 6/65—6/66, 22:43311 (PRNC-85)
  - Specific activity concept and hazards prediction, 24:34215
  - Trace element interactions between river water and sea water, 25:48373 (CONF-710501-32)
  - Uptake of molybdenum, marked with ^{99}Mo, by biota of Fern Lake, Washington, 25:44287 (RLO-2225-T-7-2)
- LOWMAN, Frank G. Bikini—Eniwetok studies, 1964, 23:9909 (UWFL-93(Pt.1))
  - Bikini—Eniwetok studies, 1964, 23:9944 (UWFL-93(Pt.2))
  - Bioenvironmental and radiological-safety feasibility studies Atlantic—Pacific interoceanic canal, estuarine and marine ecology, 21:39366 (BMI-171-007)
  - Radionuclides of interest in the specific activity approach, 24:23153
- LOWMAN, James T. Evaluation of splenic function using ^{197}Hg-mercurihydroxypropane, 24:12164
  - Production of an in vivo labeled fibrinogen, 21:22282
  - Stable isotopes as biological tracers, 23:11964 (CONF-671111-, pp 501-14)
  - Uptake of fibrin and fibrin-degradation products by the isolated perfused rat liver, 21:22283
- LOWMAN, Walker B. Statistical sampling of a moving product using a gauging device with a variable sensing area functionally related to a variable product speed, 23:26599
- LOWNDES, Douglas Henderson Jr. Specific heat studies at low temperatures (1.4 to 20K). Part I. Single crystal vanadium carbides. Part II. Antiferromagnetic linear chains: Cu(NH$_3$)$_4$SeO$_4$.H$_2$O (copper tetrammine selenate monohydrate), Cu(NH$_3$)$_4$SeO$_4$ (copper tetrammine selenate), Cu[(NH$_2$)$_2$C$_3$H$_6$]$_2$SO$_4$.H$_2$O (copper sulfate diammine propanate monohydrate), 24:32501
- LOWNDES, R. P. Optical phonons and phase transitions in the ammonium halides, 24:2194
- LOWREY, Austin Ageing studies in a Marshallese population exposed to radioactive fallout in 1954, 22:43360
  - Aging studies in a Marshallese population exposed to radioactive fallout in 1954, 21:1794 (BNL-10449)
  - Medical survey of people of Rongelap and Utirik Islands after exposure to fallout radiation, 24:50798 (BNL-50220)
- LOWREY, Barbara E. Orbital evolution of Lost City meteorite, 25:40150
- LOWREY, R. S. Metabolism of ^{85}Sr and ^{45}Ca given orally to pigs after whole-body irradiation, 21:45568
- LOWRIE, L. M. Earth vibrations from a nuclear explosion in a salt dome, 21:19780 (VUF-3014)
  - Strong-motion and surface accelerations, 21:3200 (PNE-800-F)
- LOWRIE, R. S. Design and cost estimate of on-site facility for cleaning, disassembling, and canning short-cooled LMFBR fuel, 22:27954 (ORNL-TM-2050)
  - Head-end reprocessing of HTGR fuels, 25:39586
  - Processing of spent LMFBR fuel, 24:457
  - Study of the reprocessing of spent Fast Test Reactor fuel in the Nuclear Fuel Services Plant, 25:46541 (ORNL-TM-2906)
- LOWRIE, Robert Single-crystal elastic properties of W from 24 to 1800°C, 22:670
- LOWRY, Ira S. Postattack population of the U. S, 21:11006 (RM-5115-TAB)
- LOWRY, R. A. Determination of the gravitational constant, 23:46824
- LOWRY, Robert E. Radiation-induced copolymerization of tetrafluoroethylene and 3,3,4,4,5,5,5-heptafluoropentene-1 under pressure, 24:50429
  - Radiation-induced polymerization of 3,3,4,4,5,5,5-heptafluoropentene-1 at high pressure, 25:15649
- LOWRY, W. S. B. Hypothyroidism and ^{131}I therapy, 23:5046
- LOWSON, R. T. Potential—pH diagrams at temperatures above 298.16°K. I, 25:57212 (AAEC/E-219(Pt.1))
- LOWTHIAN, C. S. Engineering and performance of gas-cooled reactors, 24:13527
  - Gas-cooled reactor designs in the United Kingdom, 24:24698
  - Relationship of HTR with earlier gas-cooled reactors, 24:50069 (CONF-700401-, pp 113-41)
- LOWY, R. O. Carcinoma of the penis radiotherapeutic approach, 24:48644
  - Never on Sunday, Saturday, or Wednesday, 24:29841
  - Time-dose study in post-operative breast irradiation, 24:808
- LOWYS, J. P. Measurement of the K/sub L/^{0} $\to$ $\pi\mu\tau$ absolute decay rate; further results on K/sub L/^{0} $\to$ $\pi e\tau$, and measurement of the K/sub L/^{0} mean life, 21:9695
- LOX, F. E. Aging phenomena of self-quenching Geiger—Mueller counter tubes; C$_2$H$_5$CN a better quench gas than C$_2$H$_5$OH, 23:41031
- LOY, B. B. Lee Shelf life extension of fresh poi by gamma irradiation, 23:10147 (UH-235-P-5-3, pp 149-54)
- LOY, B. R. Radiation-induced solid-state polymerization of methyl N-vinylcarbamate, 23:28880
- LOY, H. L. Processing and packaging of solid wastes from BWR's, 25:48834 (CONF-710801-(Vol.1), pp 478-89)
- LOY, Michael M. T. Self-focusing and small-scale filament of light in liquids, 25:48424 (UCRL-20585)
- LOYALKA, S. K. Neutron wave propagation with a one-term degenerate thermalization kernel, 22:29857
- LOYD, D. H. Charge-exchange collisions between helium ions and Cs vapor at 1.5 to 25 keV, 22:47800
  - Charge-exchange collisions between hydrogen ions and cesium vapor in energy range 0.5 to 20 keV, 23:8452
  - Protons elastically scattered from Be, 24:49772
- LOYD, David Heron Jr. Scattering and reactions of polarized protons and deuterons from beryllium, 25:5584
- LOYER, D. E. SNAP-19B(IRHS) recovered heat sources, 23:50038 (MLM-1659)
  - Supplement to summary report on SNAP-19B (IRHS) program, 25:54893 (MLM-1736)
- LOYOLA, P. R. Right ascensions of fundamental bright stars in declination range from -90°A to + 40°, 24:27932
- LOYSEN, P. Investigation of recirculation by stratospheric air samplers, 23:17819 (HASL-194)
- LOYSEN, Peter Errors in measurement of working level, 23:26789
- LOZAC'H, Anne-Marie Crystallographic study of the ternary diagram La—Er—Se, 25:32747
  - L$_3$GaS$_6$ compounds (L = Dy, Ho, Er, and Y), and the phase diagram of Y$_2$S$_3$—Ga$_2$S$_3$ system, 25:35571
- LOZACH, Guy Radiochemical dimerization of acenaphthylene in the solid state, 22:42798
- LOZANO, J. Analysis of gases with an electric mass filter, 23:2716
- LOZANO, Sergio Alva Lithium borate activated with manganese as dosimeter for ionizing radiation, 25:39759 (NP-18813)
- LOZANSKII, E. D. Qualitative streamer theory, 23:18650
  - Townsend ionization coefficient for He with indirect ionization being taken into account, 23:22915
- LOZERON, H. Dosage in dermatologic radiotherapy, 24:6137
  - Dose in dermatologic radiotherapy, 24:2760
  - Role of the time of irradiation in dermatologic radiotherapy, 21:24520
- LOZHINSKI, E. Short-lived nuclear system properties, 22:16009 (JINR-P7-3630)
- LOZHKIN, O. V. Calculation of correlations between characteristics of evaporated products from nuclear disintegration with fragments, 22:24908
  - Correlations of characteristics of nuclear spallation products with their fragments, 23:13316
  - Energy and angular characteristics of ^{8}Li fragments from fission of aluminum by 660-MeV protons, 25:53688
  - Energy and angular characteristics of ^{8}Li fragments from fission of Al nuclei by 660 MeV protons, 25:53695
  - Energy resolution for dE/dx detectors, 25:26485
  - High energy ^{8}Li fragments produced at spallation of nuclei ^{12}C and ^{27}Al by protons with energy 660 MeV, 24:22092
  - High-energy particles forming T-shaped tracks in nuclear emulsion, 25:40876
  - Investigation of ^{8}Li production reactions on heavy nuclei induced by 660-MeV protons, 22:27216
  - Investigation of ^{8}Li recoil nuclei in ^{9}Be(p,2p)^{8}Li reaction at proton energies of 180 and 660 MeV, 25:12378 (JINR-P1-4872)
  - Investigation of the ^{8}Li production on the nuclei Ag and Th induced by the 660 MeV protons, 22:5855
  - Investigation of the fragmentation effect for 2 to 9 GeV protons, 21:17325
  - Kinematic characteristics of residual nuclei in cascade process at proton energy 660 MeV, 21:25508 (JINR-P2-3201)
  - Kinematic characteristics of residual nuclei in cascade process at 660 MeV proton energy, 22:22629
  - Lithium-8 recoil nuclei in reaction ^{9}Be(p,2p)^{8}Li at 180 and 660 MeV protons, 25:25644
  - Nuclear interactions in space ship protection, 23:20976
  - Nuclear reactions induced by high energy particles, 21:17390 (UCRL-Trans-949(Rev.))

Statistical and nonstatistical processes of fragment formation by high-energy particles, 22:11985
Subbarrier α particles emitted by nuclei with large angular momenta, 24:52611
LOZHKINA, G. S. New uranium oxalic salts, 21:32174
LOZHKINA, N. N. Effect of gamma radiation on chemical composition of a soil solution, 24:5684
LOZIER, D. E. Material and fabrication specifications for AARR fuel plates, 21:40672 (BMI-X-10200)
Prog. rpt. on fabrication of composite fuel form of ^{238}PuO$_2$, 9/16/68, 24:46766 (BMI-1849)
Prog. rpt. on program to develop composite fuel forms of ^{238}PuO$_2$, 3/69, 24:46767 (BMI-1860)
Prog. rpt. on program to develop composite fuel forms of ^{238}PuO$_2$, final, 9/69, 24:46768 (BMI-1869)
LOZIER, Donald E. Preparing spherical U nitride particles, 23:10259
LOZIER, P. G. Chemical and electrochemical milling of spiral lands on Zircaloy tubing, 21:4915 (KAPL-3159)
LOZIER, W. W. Measurement of thermal diffusivity by the phase-shift method, 24:39651
LOZINA, L. A. Cherenkov differential gas counter, 21:292
LOZINOV, N. I. Influence of transverse magnetic field on the velocity profile in circular pipes, 22:41428
LOZINSKAYA, T. A. Interferometer observations of filamentary nebula S22, 24:15032
Interferometric observation of the thin-filamentary nebula NGC 6888, 24:42373
Observations of filamentary nebula IC 443 in Hα line, 23:51166
Spectrophotometry of the supernova remnants IC 443 and NGC 6888, 23:36316
LOZINSKII, M. G. Basic types of deformation microcontour appearing at elevated temperatures in polycrystalline metals, 21:34917 (AERE-Trans-1069)
LOZITO, Edward J. P$_3$-approximation of neutron transport theory, 24:3830
LOZITSKII, V. P. Esterases in rat liver and blood after x irradiation and thiophosphamide treatment, 25:21902
Esterases of the pancreas and duodenum of rats under the action of x-rays and thiophosphamide, 23:50350
LOZNEANU, E. Double charge exchange of π-mesons in photoemulsion in 50 to 176 MeV energy range, 22:50307
LOZNOVSKII, Yu. Ya. Thickness-measuring device based on radioactive sources for automatic gaging of films and sheets during production, 21:14485 (NP-tr-1477)
LOZNYANU, E. Meson generation by mesons and double-recharge of π mesons in photoemulsion nuclei at energies from 210 to 375 MeV, 22:48228 (JINR-P1-3947)
Meson production of mesons and double charge exchange of π^- mesons on emulsion nuclei from 210 up to 375 MeV, 23:25527
LOZOVIK, Yu. E. Plasma oscillations of the electron shell of the atom, 21:3852
LOZOVOI, N. A. Nonconservation of P parity in γ decay of ^{41}K, 23:46939 (BNL-tr-283)
LOZOVOY, N. A. Parity nonconservation in γ-decay of ^{41}K, 24:1796
LOZOVSKII, S. N. Drift instability of a collisionless plasma in a high-frequency E-wave field, 23:8638
Effect of high-frequency electromagnetic field on the stability of a slightly nonhomogeneous magnetized plasma, 25:1223
Equilibrium of a plasma pinch in a toroidal constant magnetic field and a helical high-frequency magnetic field, 22:50171
Equilibrium of a toroidal plasma column in steady-state and high-frequency magnetic fields, 22:17713
LOZYKOWSKI, H. EPR study of hole centers in phenacite, 23:51751
Luminescence in phenacite, 23:51752
LOZYNSKI, E. Spectrum of transfer reactions in the interaction of heavy ions with nuclei, 22:27197
LOZZIO, Carmen B. Radiosensitivity of Ehrlich ascites tumor cells. I, 23:20162
LU, A. H. Separable approximations to the t matrix, 23:31087
t-matrix perturbation theory, 25:10068
LU, An-hua Applications of T-matrix perturbation theory, 25:5389
LU, C. C. Effects of isospin on statistical nuclear decay, 25:45992
Eigenvalues, radial expectation values, and potentials for free atoms from Z = 2 to 126 as calculated from relativistic Hartree—Fock—Slater atomic wave functions, 25:9168 (ORNL-4614)
High-spin states of configuration (1d/sub $^5/_2$/)/sub 5+,0^2/ and (1g/sub $^9/_2$/)/sub 9+,0^2/ strongly populated by the (α,d) reaction, 24:13305
Nondestructive test for measuring the state of heat treatment in closure welds, 24:41117 (ORNL-TM-3024)
Proton-neutron two-particle excited states of the (1g/sub 9/2/)2/9$^+$ configuration, 22:39616
LU, C.-t. Imaging technetium-99m compounds with gamma scintillation camera, and use of system to avoid distortion of respiratory motion in radioisotope scintiphotography, 21:22473 (ACRH-26, pp 57-64)
LU, Ch'eng-ch'ing Effect of large doses of γ radiation on gametes of Laminaria angustata, 21:9032
LU, Chi Chang Reaction (α,d) on light and medium mass nuclides, 23:13205 (UCRL-18470)
Reaction (α,d) on light- and medium-mass nuclides, 24:15794
LU, Chien-tai Imaging /sup 99m/Tc compounds with the gamma scintillation camera, 22:25940
LU, Ching-fa. Spin-related polarization effect in Compton scattering of relativistic electrons, 23:18837 (AD-673841)
LU, D. C. Elastic scattering of K$^+$ mesons by polarized protons at 1.54 and 1.71 GeV/c, 24:12953
Further search for S = + 1 baryon states in photoproduction, 23:5565
Photoproduction of Y* resonances above 1800 MeV, 25:3251
Ratio of Λ and Σ^0 photoproduction cross sections; high-mass hyperon resonances, 22:11570
Search for S = + 1 baryon states in photoproduction, 21:35250
Search for S = + 1 baryon states in photoproduction, 24:8556
LU, E. Y. C. Coupled equations for scattering amplitudes and hadronic currents, 21:9770
Fixed poles in first-order weak or electromagnetic amplitudes, 23:5568
Scale-invariant light-cone commutators and universal structure functions, 25:5328
Sum rules and Schwinger terms in equal-time commutators, 21:27451
Three- and four-point functions of currents, 23:27890
LU, Eugene Y. C. Applications of the algebra of current densities to third-order weak amplitudes, 23:46665
Asymptotic virtual photoabsorption cross sections and Sugawara's theory of currents, 24:8589
Infinite momentum, equivalence condition, and spectral-function sum rules, 22:35033
Results on asymptotic sum rules at infinite momentum, 24:8577
Test of the validity of the infinite-momentum limit in high-energy inelastic electron—proton scattering, 24:13000
Theorem on C-number Schwinger term, 21:37722
Unitarity and fixed poles of weak amplitudes in a perturbation-theory model, 25:9898
LU, Hsin-fa Hidden damage in calf thymus DNA produced by x-ray irradiation, 21:17978
LU, K. K. Optimization of time analyzer parameters in multi-cycle experiments with exponential decay, 25:10900
LU, K. T. Graphic analysis of perturbed Rydberg series, 24:37206
LU, Kau Ki Optimization of experiment parameters in exponential time-decay experiments, 24:6816
LU, Kuo-i Spectrophotometric determination of Dy, Ho, Er, Tm, and Yb, 22:42597
Spectrophotometric study on the acetate complexes of the rare earths, 22:42605
LU, M. T. Intrinsic states in odd-A rhenium isotopes, 25:34126
LU, Matthias Chi-hwa Studies directed toward the synthesis of cis- and trans-2-mercaptocyclopropylamines for evaluation as radiation-protective agents, 25:23558
LU, Ming Taw Band structure of odd-A rhenium isotopes by proton stripping reactions, 25:23042
LU, P. Approximate description of Coulomb scattering, 25:19945
Classical description of neutron scattered by Coulomb potential, 21:33650
Fractional-order Bessel function approximations to both attractive and repulsive Coulomb scattering, 25:43132
Modified WKB approximation for bound-state problem, 23:5704
Modified WKB approximation for phase shifts, 25:5238
Relativistic bound-state problem, 23:42517
LU, Pai-chuan Relation between the radiation dose and biologic reactions thereto, and application with evaluation of radioprotective compounds, 21:4819
LU, Pao Approximation to the relativistic scattering problem, 25:45822
Derivation of Sommerfeld—Dirac fine structure formula by WKB method, 25:2924
Generalization of modified WKB approximation for phase shifts, 24:24636
Modified WKB method as applied to three-dimensional bound-state problem, 23:41988
Stationary states of a spin-1 particle in a constant magnetic field, 25:25352
LU, Pau-Chang Magnetohydrodynamic gravity: capillary waves in a liquid film, 22:2899
Study of Kantorovich's variational method in MHD duct flow, 21:35063
LU, Phillip K. Optical positions for twenty-six radio sources, 22:17256
Optical positions of 25 quasi-stellar objects and radio galaxies, 22:13194
Positions of quasi-stellar objects and radio galaxies, 22:4968
LU, Quan-kang Dispersion and stability of TE wave in a collisionless plasma slab, 22:34704
LU, Shih-chong Measurement of radiocarbon content in rice, 21:1270
LU, T. H. Fast-neutron spectrometry by semiconductor detector and scattering chamber, 24:36606
S-matrix evaluation of elastic electron—proton scattering, 21:29479
LU, T'i-chang Efficacy of ^{32}P treating local neurodermatitis, 22:40745
LU, W. Radiochemical determination of (n,2n) and [(n,np) + (n,pn) + (n,d)] cross sections of ^{106}Cd, 24:1846
LU, Wen-deh Activation cross sections for (n,2n) reactions at 14.4 MeV in the region Z = 40 to 60, 24:24575
Activation cross sections for (n,p), [(n,np) + (n,pn) + (n,d)], and (n,α) reactions in region of Z = 40 to 58 at 14.4 MeV, 24:24574
LU, Winston Wen-deh Neutron activation cross sections of medium-Z nuclei at 14.4 MeV, 25:43951
LU, Y. Results of SEFOR experiments at zero power, 24:33266
LU, Y. C. Mutation breeding in soybeans, 25:24107
LU, Y. S. Results of sefor zero power experiments, 24:29049 (GEAP-13588)
LUALDI, M. Radioisotope investigation of lymph system function and morphology, 25:42581
LUBA, Jerzy Changes in Streptomyces activity under effect of gamma rays, 22:49646
LUBACH, B. Central region of Delft 12 MeV isochronous cyclotron, 25:12330
LUBACH, J. Deuterium isotope effect in 3-hydroxy-2-butanone, 23:40620
LUBAN, M. Scaling laws and effects of impurities near a critical point, 23:20984
Two critical velocities in superfluid helium, 22:50100
LUBAN, Marshall Criterion for Bose—Einstein condensation and representation of canonical commutation relations, 21:44194
Onset of ODLRO and the phase transition in the ideal Boson gas, 22:34548
Spin relaxation in Moessbauer spectra of magnetically ordered systems, 22:39206
LUBARDIC, Nikola Basic design criteria for HWR's to be built on seismic ground, 24:20585
LUBAROFF, David M. Attempts to abolish tolerance of skin homografts in mice with x-irradiated plasma from specifically sensitized donors, 25:35113
Bone marrow as source of cells in reactions of cellular hypersensitivity. II, 23:7957
Bone marrow in reactions of cellular hypersensitivity. III, 23:41269
LUBAROFF, David Martin Bone marrow as the source of cells in skin reactions of delayed hypersensitivity, 23:9874
LUBART, R. Reflection and absorption spectra of higher $\pi \rightarrow \pi^*$ transitions of solid benzene, 25:48513
LUBAS, Barbara Analysis of exposure of the staff employed in radium laboratories by means of computing machines, 23:43760 (TT-67-56003/6, pp 847-60)
Computer methods for analyzing of personal exposure by Ra, 21:26454
Staff x irradiation in the course of bronchography and barium enema procedures, 21:43469
LUBATTI, E. Metallic oxides, carbides, nitrides, borides, and silicides in the technology of high and very high temperature, 21:5002
LUBATTI, H. J. A$_1$—nucleon cross section from coherent production in nuclei, 23:23368
Coherent production of 5-pion states from nuclei at 16 GeV/c, 23:7096
Coherent production of $\pi^-\pi^+\pi^0$ final states from nuclei at 16 GeV/c, 22:44331
Dips in C = -1 exchange contribution of two-body inelastic processes. II, 22:26650 (NP-17430)
Dips in ω-exchange contribution to πN $\rightarrow$ rhoN, 22:7515
Investigation of the I = 2rhoπ system in πN $\rightarrow$ rhoπN, 25:45751
Live-target spark chamber trigger for the study of coherent interactions, 23:7797
Projections on exchanged systems with well defined quantum numbers, and an application to ω production, 22:13758
Regge poles in high-energy scattering, 23:3703 (LAL-1197)
Regge poles in high-energy scattering, 24:18158
Solid-state devices as detectors of coherent high-energy interactions, 21:3298
Status of Visual Techniques Laboratory, 25:6568 (MIT-2098-660, pp 114-62)
Understanding diffractive processes, 25:17501
LUBATTI, Henry Joseph Three and five pion final states coherently produced on nuclei by 16 GeV/c negative pions, 22:9519
LUBBE, W. V. Determination of selenium and tellurium in silver chloride and uranium oxide, 22:42
LUBBERS, J. Nuclear orientation by rotational cooling and thermal mixing, 23:49001
Resonant destruction of nuclear orientation in a dilute paramagnetic crystal, 22:46222
Rotational cooling and nuclear relaxation in a dilute paramagnetic crystal, 22:9111
Spin—lattice and cross relaxation of ^{54}Mn, 23:23276
LUBBOCK, E. R. Select committee's first report, 22:35549
LUBCHANSKII, E. R. Maximum allowable load of ^{239}Pu in human organism, 25:6687 (ANL-Trans-864)
LUBECKI, A. Influence of the energy of primary radiation on the sensitivity of x-ray fluorescence analysis, 22:42613
Sensitivity of complex radioanalytical methods, 23:44
Theoretical discussion of methods of elimination of matrix effects in non-dispersive x-ray analysis, 23:13666
Two radiometric methods for the fast determination of calcium in cement raw mix, 22:40022
LUBECKI, Anatol Determination of high Cd contents in industrial materials by back scattering of β particles, 23:43268
LUBELL, M. S. Cabled-wire magnet powered by flux pump, 22:45233
Comparison of calculated and measured lower critical field for some Nb—Ti alloys, 25:3020 (ORNL-TM-3206)
Comparison of NbTi and Nb$_3$Sn material tests, 25:14219
Engineering design studies on the superconducting magnet system of a Tokamak fusion reactor, 25:38507 (CONF-710607-133)
Flux pumps as power supplies in comparison with alternatives, 22:51138 (ORNL-TM-2351)
Flux-flow studies and stability criteria of Nb—Ti strips, 24:5116
Lower critical field for some Nb—Ti alloys, 25:45405
Prog. rpt. on magnetic flux flow and superconductor stabilization, 4—6/67, 21:37349 (ORNL-TM-1943)
Prog. rpt. on magnetic flux flow and superconductor stabilization, 7—9/67, 22:9234 (ORNL-TM-2075)
Prog. rpt. on magnetic flux flow and superconductor stabilization, 10—12/67, 22:22070 (ORNL-TM-2162)
Prog. rpt. on magnetic flux flow and superconductor stabilization, 1—3/68, 22:31733 (ORNL-TM-2233)
Prog. rpt. on magnetic flux flow and superconductor stabilization, 7/1/68—9/30/68, 23:14696 (ORNL-TM-2441)
Prog. rpt. on magnetic flux flow and superconductor stabilization, 10-12/68, 23:23025 (ORNL-TM-2534)
Prog. rpt. on magnetic flux flow and superconductor stabilization, final 10—12/69, 24:28174 (ORNL-TM-2980)
Pulsed source of highly polarized electrons, 22:1536 (YALE-2726-501)

Stability of flux-flow state in superconducting NbTi strips, 22:38981
LUBELSMEYER, K. Pseudoscalar meson photoproduction, 24:24278
LUBENAU, Joel O. Analytical x-ray hazards, 23:31815
Pennsylvania dental x-ray survey, 22:31100
Radiation incidents registry: Pennsylvania experience, 25:55250
LUBENETS, V. P. Deformed Mo recovery, 25:2746
LUBENNIKOVA, E. I. Effect of extracts from irradiated bone marrow of mice on chromosomes of Chinese hamster cells cultured in vitro, 21:17996
Radiation damage to chromosomes in hamster fibroblasts, 23:17997
LUBENNIKOVA, Emma I. Population kinetics of cells in culture at low temperature, 22:40892
LUBENSKII, M. Z. Influence of rare elements on crystallization of alloy Al10V, 23:27070
LUBERT, M. Computer development and the modular program, 22:44921 (KAPL-P-3397)
Cross-section data analysis utilizing an interactive graphics display, 25:25725 (RPI-328-220)
NOVA: computer system for reactor physics calculations, 22:33150
NOVA: modular program system for reactor physics, 22:39901 (KAPL-P-3431)
LUBIMOV, A. L. Structure in π^+p elastic backward scattering, 21:17057
LUBIN, E. /sup 133m/In scanning for visualizing and evaluating giant intracranial aneurysm postoperatively, 25:21756
Cerium-144 transfer to mouse embryos and offspring via placenta and lactation, 24:4555
Kidney scanning with Hipporan, 23:48126
Rapid sequential kidney scanning with ^{131}I-hippuran, 23:38645
Scintigraphy of the placenta with /sup 113m/In, 23:48152
Two years experience in the use of ^{131}I for treatment of thyrotoxicosis, 25:52150 (A/CONF.49/P-654)
LUBIN, Ernest Review of nuclear medicine in Israel, 25:52119 (A/CONF.49/P-17)
LUBIN, M. J. Electron cyclotron resonance heating in a Q machine, 24:28229
Feasibility study of a Thomson scattering measurement of the poloidal magnetic field in the ORMAK-II, 25:1173 (ORNL-TM-3093)
Heating and confinement studies of laser-irradiated solid-particle plasmas, 23:32438
Oak Ridge Tokamak research, 25:38493 (CONF-710607-26)
Plasma confinement in a high magnetic field toroidal quadrupole, 25:5070
Precursor studies in an electromagnetically driven shock tube, 21:13605
LUBIN, Moshe J. Electromagnetic radiation from a laser-produced plasma expanding into a uniform magnetic field, 25:19679
Fusion by laser, 25:36211
Laser-produced plasmas for power generation and space propulsion, 25:5104
Prog. rpt. on laser plasma injection in toroidal multipole, annual, 11/15/68—11/14/69, 24:3298 (UR-4054-6)
LUBITCH, G. Prog. rpt. on electrochemical meter for measurement of hydrogen in sodium, 10—12/68, 23:40538 (PB-183567)
LUBITZ, C. R. CLEM: Legendre polynomial fitting program with non-negativity constraint, 23:10911 (KAPL-M-6923)
Coupled-channel calculation of ^{12}C neutron scattering, 23:15364
Evaluated cross sections for the hafnium isotopes, 22:16012 (KAPL-3327)
Evaluation of neutron cross sections, 21:5460 (KAPL-P-3176)
LUBKIN, Elihu Dirac quantization of magnetic charge, 25:7594
Simple picture for Dirac's charge-pole quantization law, 25:12150
Violation of the superselection rules, 24:20022
LUBKIN, Gloria B. Artsimovich talks about controlled-fusion research, 23:36732
LUBKOWITZ, J. A. Geiger counters for detection of non-radioactive effluents from gas chromatograph, 25:10888
Quenching properties of alcohols in liquid scintillator solutions, 23:2597
Utilization of the matrix as a standard in trace analysis by neutron activation analysis. Analysis of cadmium doped sodium chloride crystals, 25:44349
LUBLIN, B. V. Stark effect in turbulent plasma of rf discharge in omega device, 25:7381 (NP-18532)
LUBLIN, P. Protective coatings for Nb base alloys, 23:48335
LUBLIN, Paul Analysis of modified silicide coatings for oxidation protection of columbium and tantalum, 22:2571
LUBOSHNIKOVA, T. I. Radiation safety of personnel of surgical wards, 24:48548
LUBOZ, M. P. Radiopreservation of meat products. II, 24:44642
Radiopreservation of meat products. I, 24:44647
LUBOZYNSKI, Michael Notre Dame's new accelerator: 1968, 22:53050
LUBY, C. S. Description and results of P10 coated particle irradiation experiment, 21:22935 (GA-7171)
Description and results of P11 coated particle irradiation experiment, 21:6892 (GA-7286)
Fort St. Vrain proof test element, 22:44818 (GAMD-8552)
HTGR coated-particle fuel performance, 24:33328
HTGR fuel design and irradiation performance, 25:6003
HTGR fuel design and irradiation performance, 25:49568 (GA-10468)
HTGR fuel irradiation performance and implications on fuel design, 24:29012 (GA-10012)
Influence of irradiation temperature on the irradiation stability of coated-particle fuel, 21:8147
Influence of irradiation temperature on the radiation stability of coated-particle fuel, 22:4915
Irradiation performance of fuel rods containing coated particles, 24:33327
Irradiation test and postirradiation examination of GAIL IV fuel element, 22:8846 (GA-7997)
Irradiation tests of pyrolytic-carbon-coated ThC_2 and ThO_2 particles, 21:11323 (GA-7332)
P12 coated particle irradiation experiment, 23:6761 (GA-7551)
P13G coated particle irradiation experiment, 22:22688 (GA-7549)
Post-irradiation examination of the GAIL III-B fuel element, 23:14415 (GAMD-5605)
Prediction of the irradiation performance of coated particle fuels by means of stress-analysis models, 24:4856 (GA-9613)
Prediction of the irradiation performance of coated particle fuels by means of stress-analysis models, 25:52481
Summary of coated particle irradiation experiments conducted on HTGR-base program, 23:14416 (GAMD-8428)
Summary of coated particle irradiation experiments conducted on PSC program, 23:14417 (GAMD-8429)
Target P7 coated particle irradiation capsule, 21:5014 (GA-6356)
Target P8 coated particle irradiation capsule, 21:1957 (GA-6493)
LUBYAKO, L. V. Measurements of solar radio emission at millimeter and submillimeter wavelengths, 22:36578
LUBYANAYA, N. D. Composition of the primary component of cosmic radiation, 22:21964
LUBYANSKII, G. A. Radical-recombination luminescence of boron nitride, 23:30635
LUBYANSKII, Ya. M. Nomogram for determining the number of separators in the combination of radiometric lump and batch separation of radioactive ores, 25:54847
LUC, H. Equilibrium, stability, and diffusion of toroidal plasma of non-circular cross section, 25:38473 (CONF-710607-83)
Low frequency drift waves in cylindrical geometry: effect of electric field and importance of Debye length, 23:51718 (CEA-CONF-1389)
MHD equilibrium and stability of toroidal plasmas with a quasi-triangular cross section in Tokamak type magnetic configurations, 25:11911 (EUR-CEA-FC-569)
LUC, Marcus Germanium detector and associated charge preamplifier for γ spectroscopy, 21:30705
LUCA, Constantin Analytical study of dibromopyrogallolsulfonephthalein (DBPSP), 25:12926
LUCA, E. Permittivity dispersion in some x-ray irradiated PVC technical goods, 22:3178
LUCA, I. Beta radioactivity in some wines from Transylvania and Dobruja, 25:26618
Correlation between hemorrhagic cystitis in cattle and natural radioactivity, 21:11101
Permittivity dispersion in some x-ray irradiated PVC technical goods, 22:3178
LUCA, L. Burn-out heat fluxes at subcooled boiling, 25:54871 (IFA-TR-58)
LUCANO, G. G—L behavior of two-dimensional Al films below T/sub c/, 25:38296
LUCARELLI, L. A. Apparatus for simulation of time-temperature-pressure re-entry environments, 22:10919
LUCARONI, A. Effects of x rays and visible light on the reconstitution of the early potentials of the isolated frog eye, 25:27004
LUCARONI, L. Neutron stars and nuclear repulsive forces at high densities, 22:8963
Stability of nonradial oscillations of cold nonrotating neutron stars. I, 25:38046
LUCAS, A. Linac electron beam calibration, 22:26735 (EGG-1183-2140)
LUCAS, A. A. Energy-loss spectrum of fast electrons in a dielectric slab. I. Nonretarded losses and Cherenkov bulk loss, 24:35156
Multiple plasmon effects in the energy-loss spectra of electrons in thin films, 25:14486
Quantum theory of electron energy loss spectra in thin films, 25:22573
Quantum theory of electron—optical phonon interaction in ionic crystal films, 24:45345
LUCAS, A. C. Depth dose distribution in a beagle phantom within a mixed field of neutrons and gamma rays, 23:14165
Direct determination of neutron dose using spherical proportional counters, 24:31744
Measurement of LET distribution within reactor environment, 24:44511
Megarad dose response of passive dosimetric materials, 23:14045 (EGG-1183-2166)
Production of high-intensity K x-ray beams, 25:35842
Response of calcium fluoride and lithium fluoride to alpha particles, 23:7835 (CONF-680920-, pp 456-63)
Tissue dose spectra for HENRE accelerator, 23:16284 (EGG-1183-2185)
LUCAS, Arthur C. Miniature thermoluminescent dosimeter and its application in radioecology, 21:26233 (CONF-650637-, pp 402-11)
LUCAS, B. Detector for measurement of neutron elastic cross sections, 23:38284
Determination of spin of slow-neutron induced resonances in ^{239}Pu, 25:15088
LUCAS, B. T. Measurements and distorted-wave Born-approximation analyses of some 13.9-MeV differential cross sections for reactions $^{14}N(^{3}He,\alpha)^{13}N$, 22:18137
Measurements and DWBA analyses of some 13.9-MeV differential cross sections for the reactions $^{14}N(^{3}He,\alpha)^{13}N$, 22:26905
LUCAS, C. Coulomb energy of ^{3}He, 23:25799
Coulomb energy of ^{3}He and local and nonlocal potentials in the three-nucleon system, 22:18114
Coulomb energy of ^{3}He and local and nonlocal potentials, 22:26813
Scattering length (n—n), the three-body problem and charge symmetry, 21:21602
Sum-rule photodisintegration cross sections for three-nucleon system with Hamada—Johnston potential, 23:8935
LUCAS, Christopher Irregularities in proton density deduced from cyclotron damping of proton whistlers, 25:11787
Loss of electrons from outer radiation belt, 25:16942
LUCAS, D. M. Optics and instrumentation in forensic science, 23:14109
LUCAS, Donald L. Predicting ionospheric electron density profiles, 22:13329
LUCAS, E. Advanced superconducting magnets investigation, 23:20822 (N-68-37283)
LUCAS, E. J. Design and operation of an 88-kG 20-in.-bore superconducting magnet system, 25:1149
Results of tests on an 8.8-TESLA, 51-cm-bore magnet system, 23:29077
Results of tests on models for an 88-kG, 51-cm-bore-diameter solenoid, 22:29423
Superconducting coils for special applications, 22:10649
Superconductivity state of the art for power applications, 24:23937
LUCAS, Edward J. Use of superconducting coils as energy storage elements in pulsed system operations, 22:11352
LUCAS, G. Relaxation of the superconducting order parameter, 21:15067
LUCAS, Gary LeRoy Electromagnetic properties of superconductors, 21:33357
LUCAS, H. Analysis of packaging compliance to transport regulations, 25:48842 (CONF-710801-(Vol.2), pp 592-602)
Heat problems encountered in research on packaging, 21:30667
Packaging for transport of radioactive materials, 22:290
LUCAS, H. F. Lead and ^{210}Pb in rainwater, 22:184
LUCAS, H. F. Jr. Atmospheric radon monitor, 21:26264 (ANL-7220, pp 60-3)
Level of Ra in human blood, 24:21151
Metabolism of ^{232}Th decay radionuclides in man and animals, 24:27505 (ANL-7615, pp 97-115)
Natural thorium in human bone, 24:27503 (ANL-7615, pp 56-8)
Semi-automatic method of neutron activation analysis with application to environmental studies, 25:31876
Thorium and uranium in blood, urine, and cigarettes, 25:20945 (ANL-7760(Pt.2), pp 47-52)
Trace elements in great lake fishes, 25:21644
LUCAS, H. G. Power required to circulate gas-solids suspensions, 25:41956 (BM-RI-7019)
LUCAS, Henry F. Epidemiologic approach to low-level ^{226}Ra exposure, 21:8890
LUCAS, Henry F. Jr. Computer analysis of gamma-ray spectra, 24:85
Natural thorium in human bone, 25:16011
Neutron activation analysis of trace elements, 24:11485
Survey technique for ^{222}Rm and ^{226}Ra, 22:2210
Thorotrast: an intraperitoneal injection, 24:31811 (ANL-7489, pp 30-3)
LUCAS, J. Determination of 18 major elements and traces in rocks, 25:10450
Disproportionation of quinquevalent neptunium in nitric acid solution. I, 25:44354
Improvements in tests of long-range charge independence, 25:36522
Magnetic susceptibilities of alkaline earth uranates V and VI, 22:16540
n—p scattering cross section at 24 MeV, 24:3694
Oxyfluoride of trivalent Th, ThOF, 23:33178
LUCAS, J. G. Application of intermediate-coupling unified nuclear model to odd-mass iodine isotopes, 22:48529
Sum rules for d(γ,n)p process employing realistic potentials, 22:26791
LUCAS, J. J. Parity violation in the transition of ^{181}Ta at 482 keV, 25:12621
Relationship between alpha grain size and crack initiation fatigue strength in Ti—6Al—4V, 25:35349
LUCAS, J. M. Temperature variation of susceptibility of some amorphous antiferromagnetic oxides, 25:36337
LUCAS, Jacques Study of system ThO_2—UF_4, 24:2204
LUCAS, Jean Claude Method and apparatus for loading and unloading a filter for radioactive gases, 22:10464
LUCAS, Jean-Jacques Investigation of parity impurity in nuclear γ transition, 21:46730
LUCAS, Jerome George Sum rules for d(γ,n)p process and applications of intermediate-coupling unified nuclear model. I and II, 24:26584
LUCAS, L. R. Beam component developments at SLAC, 25:50470
Beam dumps, energy slits, and collimators at SLAC, 21:38111
Sphere dump, 23:28079
LUCAS, Luther R. Preheater for diffusion pump, 22:37966
LUCAS, M. New mass spectrometer for measurements of very small isotopic differences between two uranium samples, 23:50205 (CEA-CONF-1346)
LUCAS, M. W. Auto-ionization of He atoms after passage through thin C foils, 25:45298
LUCAS, Mary B. Ascorbic acid protection of E. coli against radiation lethality in presence of tetracyclines and radiosensitizers, 21:32719
New radiomodifiers in bacteria, 21:20451
Protection of E. coli against radiation damage by 2-methyl-1,3-cyclohexanedione and related compounds, 22:33853
LUCAS, Michel Study of acid-base properties in various water—salt and water—organic solvent mixtures, 23:31248 (CEA-R-3522)
LUCAS, P. Mutual friction measurements in uniformly rotating liquid helium, 24:37422
Pionic and leptonic decay asymmetries of polarized Σ^-, 24:40243

Status of Yale PEPR system, 23:16151 (CONF-680628, pp 19-45)
Status of Yale PEPR system, 25:6561 (MIT-2098-660, pp 9-26)
LUCAS, P. E. Neutron induced nuclear isomerism in ^{80}Br, 24:28763
LUCAS, R. Calculation and measurement of helium produced by (n,2n) and (n,α) reactions in beryllium, 21:21436 (CONF-651154-2)
Nearly monochromatic γ beam of variable energy, 25:51253
Quantities of He produced by nuclear reactions in irradiated Be, 21:25451
Technological improvement in fabrication of cast uranium carbide rods, 23:39019 (EUR-4273)
LUCAS, Renee Moderator-fuel element, 22:23885
Moderator-nuclear fuel element, 22:21714
LUCAS, William V. Thorium content of primary standard grade ammonium hexanitratocerate, 22:18730
LUCASSON, A. Atomic displacements in zinc, 22:31930 (BNL-50083, pp 314-26)
Behavior of low-temperature irradiated cadmium, 24:1478
Damage production and recovery in low temperature irradiated zinc, 25:36288
Directional dependence of atomic displacements in cobalt crystals, 25:13733
Electron irradiation of U at 7°K, 22:28871
Frenkel pair formation and mutual annihilation in cobalt, 23:30628
Production and mutual annihilation of Frenkel pairs in irradiated Zr, 25:33416
LUCASSON, P. Atomic displacements in zinc, 22:31930 (BNL-50083, pp 314-26)
Behavior of low-temperature irradiated cadmium, 24:1478
Damage production and recovery in low temperature irradiated zinc, 25:36288
Electron irradiation of U at 7°K, 22:28871
Frenkel pair formation and mutual annihilation in cobalt, 23:30628
Production and mutual annihilation of Frenkel pairs in irradiated Zr, 25:33416
Stage III recovery of electron-irradiated copper, 23:7041
Stage-III recovery of electron-irradiated aluminium, 22:4819
LUCASSON, Pierre Interstitialcies in metals, 22:31932 (BNL-50083, pp 335-47)
Method for studying point defects in metals, 22:28882
Method for studying point defects: especially, interstitial atoms in metals, 21:40116
LUCATU, Emanoil Extinction of fluorescence in uranyl sulfate solutions, 23:11522
LUCCHESI, Aldo Evaluation of radiolytic degradation of some organoboron compounds, 23:49869
LUCCHESI, John C. Induced exchange in Drosophila, 21:10843
LUCCHESI, M. Effects of uv on atmospheric pollution, 22:52048
LUCCHETTI, S. C. Optical variability of a bright new quasi-stellar source, 25:55726
LUCCHINO, R. C. Retention patterns of ^{124}Sb in mice following inhalation of particles formed at different temperatures, 25:29424 (LF-43, pp 66-70)
LUCCI, A. Comments on the condition of boron in α-iron, 25:16479
LUCCI, F. Health protection analysis of transportation of radioactive substances through tunnels, 25:54973 (RT/PROT-(71)11)
Measurements on 1-GeV electromagnetic cascade and cascade-produced neutrons in shielding materials, 24:12872 (LNF-69/27)
Radioprotection at the electrosynchrotron at Frascati, 25:43738
LUCCIO, A. Design and construction of the axial injection system for the 88-inch cyclotron, 23:25736 (UCRL-18608)
Design and construction of the axial injection system for the 88-inch cyclotron, 23:28042
Polarized ion source for the Berkeley 88-inch cyclotron, 23:27963
Source of polarized protons for the Milan AVF cyclotron, 21:21348
LUCCIO, A. U. ERA experiment at UC-Berkeley and -Livermore, 24:35795
Forming intense rings of electrons suitable for the acceleration of ions, 23:19099
Operation of polarized-ion source and axial injection system for the Berkeley 88-Inch Cyclotron, 24:18322 (UCRL-18934)
Polarized ion source for Berkeley 88-inch cyclotron, 23:37044 (UCRL-18607)
Small-angle behavior of the polarization in p—d elastic scattering, 22:11899
Waist-to-waist transfer in particle optics, 24:30622
LUCCIO, Alfredo U. Axial injection studies on 88-inch cyclotron: "Hole Lens", 22:15881 (UCRL-18016)
Waist-to-waist transfer in thin-lens optics, 22:39509 (UCRL-18217)
LUCE, J. S. Multimomentum 650-mA ion source, 23:3495
LUCE, M. Reaction of chlorine trifluoride with uranyl fluoride, 22:2074
LUCE, Michel Reactions ClF_3—UO_2F_2 and ClO_2F—UO_2F_2, 21:34246 (CEA-R-3210)
Reactions UF_4 + ClO_2F and UF_5 + ClO_2F, 24:22619 (CEA-R-3963)
Reactions UF—ClF, UF—ClF_3, UF_5—ClF, UF_5—ClF_3, 22:48847 (CEA-R-3558)
LUCE, R. G. Resonance overlap of ^{233}U and ^{233}Pa, 24:33330
LUCENA-CONDE, F. Analytical chemistry of less-common oxidation states. VII, 23:24091
LUCENET, G. Generalization to magnetic distributions of revolution of a method of correction of polar forms intended to engender a topography of predetermined gradient, 21:3256
LUCERO, Antonio B. Models of trapped radiation environment, 21:23073 (NASA-SP-3024(Vol.3))
LUCEY, J. W. Flux synthesis methods for the transport equation using the SMT, 24:7284
Neutron transport in two-dimensional slabs by invariant imbedding, 25:5143
Numerical solutions of boundary value problems, 22:46704
Stabilized March Technique applied to inhomogeneous neutron transport, 23:37730
LUCEY, John W. Graduate engineering practice school, 21:36210
LUCHES, A. Total cross sections of Na, K, and Ca for 14-MeV neutrons, 22:13987
LUCHIN, I. A. Uranium mineralization in subvolcanic rocks, 24:36430
Use of universal computers for complex estimation of results of prospecting for uranium deposits, 21:8445
LUCHKIN, B. R. Neutron-activation methods in study of iodine exchange, 25:24011
LUCHKOV, B. I. Measurement of energy spectra of electrons and photons in spark chambers, 23:45552
Observation of γ quanta greater than 100 MeV from 3C 120, 25:35700
Relation of electron flux in upper atmosphere to state of Earth magnetosphere, 25:30353
Search for heavy particles at sea level, 23:51835
Self-starting streamer chamber, 21:6235
LUCHKOV, V. I. Streamer chamber, 21:1591
LUCHNER, K. Atomic excitation as a result of prior β decay of ^{85}Kr in solids, 22:9486
Chemical effects on isomer shift in ^{151}Eu, 22:49996
Excitation of crystal fluorescence of Rb^+ due to change of nuclear charge, 25:7484
Excitation of the daughter-ion Rb^+, 23:48998
Excitation of the electron shell of Rb^+ as a secondary effect in the β decay of ^{85}Kr, 21:22992
Luminescence of gaseous radioactive krypton, 22:7156
Photon emission following nuclear decay, 24:11885
Recent applications of thermoluminescence dosimetry, 21:26232 (CONF-650637-, pp 340-8)
Sudden nuclear charge change as an excitation mechanism for optical transitions, 25:39042
LUCHNER, Karl Determination of the absolute dose in Al and Cu in bombardment with monoenergetic β particles with the initial energy of 0.5 up to 1 MeV, 21:24220
LUCHNIK, N. V. Chromsome injuries in connection with problem of postirradiation recovery, 22:25805
Effect of gamma-rays on human chromosomes. II, 23:16259
Influence of anoxia used at various times on yield of chromosome aberrations induced by γ rays, 23:24590
Postradiation recovery of chromosomes, 22:51546
Protective effect of anoxia on irradiation dose in case of chromosome aberrations, 25:29486
LUCHTER, S. Operation of ML-1 with air as working fluid, 21:12217 (TID-23425)
Process fluid lubricated turbomachinery in nuclear applications, 22:8266
LUCHTER, Stephen Current status of the technology of organic Rankine cycle power plants, 21:41108
LUCHTMANS, F. Examination of fuel element can closures by the multiple-exposure automatic radiographic method, 25:6510
LUCI, R. K. Summary of core support graphite and carbon research and development test programs for the Fort St. Vrain reactor plant, 24:42232 (GA-9641)
LUCIA, A. Experimental determination of the statistical dynamics of ISPRA-1 reactor, 21:42820
Noise measurements in a zero power reactor and analysis of its influence on oscillation measurements, 21:19482
Optimization of control systems by an analog method, 22:16278 (EUR-3735)
LUCIAN, Brindus Method for determining parameters of atomic structure in plasma radiation theory, 24:46998 (NP-18278)
LUCIS, Ojars J. Turnover of ^{109}Cd in rats, 23:22193
LUCIS, Ruta Turnover of ^{109}Cd in rats, 23:22193
LUCIUS, J. L. Evaluation and compilation of fission and capture cross sections of ^{239}Pu in energy range 25 keV to 15 MeV, 24:15871 (ORNL-TM-2797)
Extension of the program CHECKER, 25:38844 (ORNL-TM-3395)
ROD: a nuclear and fuel-cycle analysis code for circulating-fuel reactors, 25:57048 (ORNL-TM-3359)
SSF: program for computing self-shielding factors, 24:16282 (ORNL-TM-2786)
SUPERTOG: program to generate fine group constants and P/sub n/ scattering matrices from ENDF/B, 23:49300 (ORNL-TM-2679)
LUCK, R. J. Colonic irradiation in hyperchloraemic acidosis following urinary diversion in dogs, 21:14676
LUCK, W. A. P. Approximate methods for determining the structure of H_2O and HOD using near-infrared spectroscopy, 25:2171
Temperature dependence of D_2O and HOD spectra, 23:28834
LUCKAN, Johannes Dissolution of UO_2 by the chop-leach process: chopper and dissolver, 22:51048 (ORNL-tr-1974)
LUCKE, J. Prediction of fatigue lives of 2024-T3 and 6061-T6 aluminum alloys under broad-band excitation, 25:20895 (SCL-CR-710175)
LUCKE, Peter B. Catalog of stellar associations in LMC, 24:19559
System of stellar associations of the large magellanic cloud, 24:48972
LUCKE, W. H. Ion-implantation induced optical absorption edge shifts in GaP, 25:9562
LUCKE, William H. Intrinsic efficiencies of some thermoluminescent-dosimetry phosphors, 25:35032
Intrinsic efficiency of thermoluminescent dosimetry phosphors, 25:15945 (AD-711588)
LUCKEN, E. A. C. Cobalt-59 nuclear magnetic resonance of organo-Co compounds, 21:21935
Electron spin resonance of triphenysilyl radical formed by x-irradiation of monocrystalline triphenylsilane, 24:36306
ESR spectrum of radical species trapped in x-irradiated single crystals of dimethyl (9-fluorenyl) sulfonium bromide, 22:23053
Manganese-55 nuclear magnetic resonance spectra of alkyl- and acylmanganesepentacarbonyls and related compounds, 21:21934
Nuclear quadrupole coupling constants, 23:23258
LUCKERS, L. Humidity measurement for coke and blast furnace gas, 24:36638
LUCKEY, D. Crystal alignment for the production of coherent bremsstrahlung, 24:30643
Fast inorganic scintillator, 22:28100
Measurements of π^0 photoproduction cross sections for incident gamma-ray energies of 2.0 to 5.0 GeV, 21:27295
Photoproduction of eta^0 mesons at 4 GeV, 22:52922
Photoproduction of positive pions at backward angles in the energy range 1 to 3 GeV, 22:48209
Photoproduction of positive pions at backward angles in the energy range 1 to 3 GeV, 24:37688
Photoproduction of π^0 with plane polarized 3-GeV photons, 23:44583
Photoproduction of single charged pions from deuterium and hydrogen, 21:31516
Pi^+ photoproduction from H with polarized protons, 24:51889
π^+ photoproduction from H with linearly polarized photons at 12 GeV, 25:40863
Wide-angle electron-positron pair production, 22:50283
LUCKEY, P. D. Apparatus for measuring photoproduction reactions in GeV range with on-line data analysis facilities, 22:367
Photoproduction cross sections for π^+ and K^+ mesons at 3.4 to 4.0 GeV and their comparison with SU(3), 21:29423
LUCKI, George Description of "Sandstone oven" for irradiation of samples in a reactor and measurement of their electrical resistance, 25:21232 (IEA-212)
LUCKOW, T. Effects of surface irregularities on radiation levels, 22:38248 (AD-664759)
LUCKS, H. X-ray image intensifier tubes using rare earth oxysulfide phosphors, 24:39243
LUCKS, Herbert Survey of radiation doses and induced activity at the ZGS from September 1965 to September 1966, 21:38118
LUCKS, R. Rotation radiation of esophageal carcinoma, 25:565
LUCO, V. Another anomaly in variational flux synthesis methods, 25:6170
Evaluation of functionals with discontinuous trial functions, 24:33511
Functionals for discontinuous trial function flux synthesis, 25:37130
Legendre expansion coefficients for theoretical angular distributions of elastically scattered neutrons, 22:22523 (NAA-SR-12533)
LUCO, Victor Eigenvalues of the flux synthesis equations, 25:41166
Functionals for flux synthesis with discontinuous trial functions, 24:18757 (ANL-7627)
LUCOFF, D. M. Pulsed-activation technique for study of Doppler effects, 24:33552
LUCOT, H. Isotopic determination of fetal—placental blood mass in utero, 24:32098
Protective effects of rhodizonic acid and some of its derivatives on the radiosensitivity of yeasts in culture, 22:10790
LUCU, C. Interactions of ^{233}Pa with tissues of M. galloprovincialis and C. mediterraneus, 24:7717
Interactions of ^{233}Pa with tissues of Mytilus galloprovincialis and Carcinus mediterraneus, 24:34062
LUCY, J. B. Gravity darkening for stars with convective envelopes, 21:13313
LUCY, L. B. Formation of resonance lines in extended and expanding atmospheres, 25:9044
Light curves of W Ursae Majoris stars, 22:49931
Mass loss by hot stars, 24:19574
Mass loss by hot stars, 24:37014 (N-70-12101)
Spectroscopic binaries with circular orbits, 25:43047
Structure of contact binaries, 22:21809
LUCZAK, Jerzy Study upon the sorption of the radioactive fallout on suiting and decorative textiles, 21:26441
LUCZAK, M. Changes occurring in milk powder subjected to gamma rays, 24:23420
LUCZKIEWICZ, T. Mutagen specificity in Pisum sp. and Vicia sativa L, 22:49636
LUDANY, G. Effect of laser rays on biological systems, 23:14269
LUDDEN, D. J. Polarization of Sco X-1, 21:20619
LUDEMAN, M. M. Simulation model of IBM 360/65 job shop. II, 23:19610 (DP-1181)
LUDEMAN, Michael M. Simulation model of IBM 360/65 job shop. I, 22:50886 (DP-1149)
LUDEMANN, C. A. Coupled-channel and microscopic analysis of the "quasi-elastic" and "quasi-inelastic" Ti(^{3}He,^{3}H) data, 22:29946
Proton—proton Bremsstrahlung measurements at 64.4 MeV, 25:7530
Quasi-elastic (^{3}He,t) scattering from the Ti isotopes, 21:33916
Reaction ^{9}Be(p,pα)^{5}He at 57 MeV, 23:15366
Reactions ^{9}Be(p,pα)^{5}He and ^{12}C(p,pα)^{8}Be at 57 MeV, 24:45734
Study of ^{12}C(p,pα)^{8}Be reaction and excited states of ^{12}C, 23:30948
Study of several states in the 20-MeV region of ^{12}C, 22:26900
System for multiparameter pulse height analysis with repeated use of a single, fast ADC, 25:59668
Year's small computer at ORIC, 24:8766 (CONF-690301-, pp 305-11)
LUDEMANN, Wesley D. Pressure welding of dissimilar metals through oxide layers, 24:14664 (UCRL-50744)

LUDENA, Eduardo Vicente Concept of localization in the independent-pair model of electronic structure, 22:11234
LUDER, H. A. Influence of growth of unitary power of thermal and nuclear groups on international energy exchanges in Western Europe, 23:52295
  Role of nuclear plant in water power system: experience and prospects in Switzerland, 25:53950 (A/CONF.49/P-675)
LUDEWIG, H. Physics parameters of the Hatch reactor, 25:41586
LUDEWIG, Hans Analysis of bare and reflected metal critical assemblies using ENDF/B data, 25:23361
  Analysis of flux fine structure in one-dimensional fast reactor cells, 25:39238
  Effect of hydrogen content of graphite in fast critical experiments, 24:33427
  Method for analyzing exponential cores using a one-dimensional S/sub N/ code, 22:32457
  Neutron leakage in small exponential cores, 23:15718
  Plutonium exponential assemblies, 23:37648
LUDEWIG, Max Turbines for large capacity nuclear power plants, 24:9138
LUDFORD, G. S. S. Establishment of steady hydromagnetic flow past slender bodies, 22:24102
  Magnetodynamics of fluids without inertia, 25:11767
  Nonanalyticity at surface of body in OHD or MHD stream, 23:5273
  Stagnation-point flow in magnetohydrodynamics, 22:15399
  Three-dimensional MHD duct flows with strong transverse magnetic fields. I, 22:50079
  Three-dimensional MHD duct flows with strong transverse magnetic fields. II, 25:33109
  Viscous tails in MHD, 25:5121 (AD-709878)
LUDI, A. Neutron-diffraction study of $D_3Co(CN)_6$, 25:84
LUDIN, R. L. Semiempirical interpolation formula for elastic n—d scattering, 24:38088
LUDINGTON, M. A. Decay of ^{143}Ce, 25:50766
  Decay of ^{160}Tb to levels in ^{160}Dy, 23:1895
  Decay of ^{75}Se, 23:32911
  Experimental and calculated photopeak efficiencies for coaxial Ge(Li) detector, 25:34900
  Precision energy measurements of gamma rays occurring in the decays of ^{165}Dy and ^{193}Os, 25:39012
LUDINGTON, Martin Authur Decay of ^{160}Tb to levels in ^{160}Dy, 24:45795
LUDLAM, T. Diffraction-produced $K^*\pi$ and $\Delta\pi$ systems in 12.6-GeV/c K^-p interactions, 23:21058
  $K\pi\pi$ system in $K^-p \to K^-\pi^+\pi^-p$ at 12.6 GeV/c, 24:49503
  Radiofrequency separated beam at the AGS, 21:31672
LUDLOW, I. K. Spin—orbit coupling and stress spectra of trigonal colour centres in magnesium oxide, 22:52892
LUDLOW, J. O. Cathodic etcher, 24:359
  High-purity helium atmosphere for plutonium research, 21:6774
  Pneumatic tube transfer system for radioactive samples, 25:4306
  Pneumatic tube transfer system for radioactive samples, 25:51793
  Shielded fuel evaluation, 24:460
  Shielded fuel evaluation facility, 22:4402
LUDLOW, T. E. Thermodynamic data program involving plutonia and urania at high temperatures. Quarterly report No. 14, November 1, 1970—January 31, 1971, 25:35547 (GEAP-12182)
LUDMAN, C. J. Inelastic neutron scattering spectra and Raman spectra of $CsHCl_2$ and $CsDCl_2$, 24:27088
LUDVIGH, K. Lung-scan, 23:48102
  Simultaneous comparative peripheric oxymetric and radiocirculographic examinations with Hungarian 4-channel-radiocirculograph, 22:40806
LUDVIK, W. Lymphogram changes caused by surgery and ionizing radiation, 24:766
  Radium therapy of the induratio penis plastica, 23:26856
LUDWICK, J. D. Advancements in capabilities of the Hanford inert gas tracer system for field diffusion studies, 25:48641 (BNWL-1551(Vol.2)(Pt.1), pp 117-20)
  Atmospheric tracer technique employing ^{85}Kr and use of this technique in defining puff dimensions and transport speed, 25:54908
  Automatic real time air monitoring of ^{85}Kr utilizing the 4096 memory of a multiparameter analyzer, 22:28082
  Automatic real-time air monitoring of ^{85}Kr utilizing the 4096 memory of a multiparameter analyzer, 23:9554 (BNWL-715-3, pp 58-62)
  Detailed time-histories of concentrations resulting from puff and short-period releases of inert radioactive gas, 24:22785 (BNWL-1272)
  Development of a long-lived, high-expansion foam for entrapping air-bearing noble gas, 24:51238 (DUN-SA-141)
  Identification and measurement of hydrogen chloride gas in the atmosphere by spectrophotometric and radiometric analysis, 22:18958 (BNWL-481-1, pp 76-8)
  In-place test results of the N-Reactor charcoal confinement filters using iodine tagged with ^{131}I tracer, 24:47933 (DUN-SA-128)
  In-place testing of the Hanford reactor charcoal confinement filter systems using iodine tagged with ^{131}I, 24:46401
  Iodine collection efficiency of activated charcoal from Hanford reactor confinement systems, 24:11666
  Iodine collection efficiency of activated charcoal from Hanford reactor confinement systems, 24:20844 (BNWL-1046)
  Krypton-85 as an atmospheric tracer, 22:18959 (BNWL-481-1, pp 78-81)
  Measurement of particulate plume depletion in the atmosphere, 23:9556 (BNWL-715-3, pp 65-73)
  Polarographic techniques applied to prospective atmospheric particulate tracers, 23:9555 (BNWL-715-3, pp 63-4)
  Portable boom-type air sampler, 22:18962 (BNWL-481-1, pp 87-92)
  Prog. rpt. on noble gas confinement study, final, FY-1970, 25:29074 (DUN-7221(Vol.1))
  Prog. rpt. on noble gas confinement study, final, FY-1970, 25:29075 (DUN-7221(Vol.2))
  Radiochemical standardization of oxidant detectors for iodine, 24:19
  Real time histories of diffusing plumes and puffs determined from use of an inert gas tracer system, 24:39048 (BNWL-1307(Pt.1), pp 6-10)
  Technology development for dual atmospheric tracer studies on an instrumented meteorological grid, 25:48642 (BNWL-1551(Vol.2)(Pt.1), pp 120-1)
LUDWIG, A. Dependence of superconducting critical temperature of dilute magnetic alloys on impurity concentration, 25:47471
LUDWIG, D. Anomalous scattering of laser light from a magnetized arc plasma, 25:36123
  Measurement of ion temperature in hydrogen arc, 23:30525 (IPP-3/88)
  Measurement of ion temperature in hydrogen arc by means of thermal Doppler effect, 25:9413 (SC-T-71-3001)
LUDWIG, D. L. KULAID computer program used in design of cooling system for concrete reactor vessel, 21:7869 (GAMD-6928)
LUDWIG, Donald Modified WKB method for coupled ionospheric equations, 24:35304
LUDWIG, E. J. Analyzer for polarization of ^{3}He particles, 24:28691
  Multi-exit channel study of analog resonances in ^{51}V + p, 23:25850 (CONF-690310-4)
  Polarization of ^{3}He scattered from ^{12}C, 24:28710
  Polarization of ^{3}He scattered from ^{9}Be, ^{12}C, and ^{16}O at 18 and 20 MeV, 25:53634
  Polarization studies of analog resonances in lead, 22:27215
  Production of K x rays in Ca, Ti, and Ni by 2- to 28 MeV protons, 24:21580
  Proton polarization measurements near isobaric analogue resonances in ^{145}Eu, 23:40085
  Reaction (^{3}He,α) with nuclei in the s-d shell, 25:17796
  Reaction ^{28}Si(^{3}He,α)^{27}Si, 24:30736
  Reaction ^{90}Zr(d,p)^{91}Zr, 23:37280
  Spin determination of isobaric analog states from polarization measurements, 22:20629
LUDWIG, F. Wound healing following tooth extraction. I, 24:23359
LUDWIG, F. C. Bone marrow response to acute radiation injury in RFM/U mice after whole- and partial-body exposure to x-rays, 22:51915
LUDWIG, F. L. Determination of ionospheric recombination coefficients, Phase I, 23:51448 (AD-689232)
LUDWIG, Frederic Effects of ionizing radiation on life organisms, 21:22650 (CMN-Pub-3/66)
LUDWIG, Frederic C. Murine radiation leukemia and the preleukemic state, 23:29750
  Postponement of murine radiogenic leukemia by manipulation, 23:33839
  Radiation changes in hematopoietic organs of mice and their relation to leukemia, 21:34688
LUDWIG, G. Receiver with automatic searching for the interference-free recording of the solar flare effects and blackout by the cosmic noise method, 21:27021
LUDWIG, G. H. OGO-E cosmic radiation: nuclear abundance experiment, 21:32431
  OGO-E cosmic radiation: nuclear abundance experiment, 21:46181 (N-67-18751)
LUDWIG, G. R. Laboratory simulation of small-scale atmospheric turbulence, 24:18832 (NYO-4038-1)
LUDWIG, Garry Classification of electromagnetic and gravitational fields, 24:10845
  Classification of Ricci tensor, 25:45791
  Geometrization of a massive scalar field, 25:53280
  Geometrization of a massless complex scalar field, 25:53279
  Geometrodynamics of electromagnetic fields in Newman-Penrose formalism, 24:37857
  Study of two topics in general relativity: the cosmological red shift and gravitational waves, 22:2764
LUDWIG, George H. Space sciences data processing, 21:32527
LUDWIG, Gunter Wave mechanics, 24:3481
LUDWIG, H. Kinetic determination of molybdenum using a potentiostat, 23:34987
LUDWIG, J. H. Environmental aspects of power plants, 24:46138 (CONF-700810-25)
LUDWIG, K. Anodization of vanadium, 25:35295
LUDWIG, L. P. Spiral groove face seal concepts; comparison to conventional face contact seals in sealing liquid sodium (400 to 1000°F), 22:27967
LUDWIG, Lawrence P. Improving performance of face contact seal in liquid Na (400° to 1000° F), 21:30238 (NASA-TN-D-3942)
LUDWIG, Oliver G. Configuration interaction wavefunction for positronium hydride, 21:2060
LUDWIG, P. D. Simple apparatus for combustion of samples containing pesticides labelled with ^{14}C for residue analysis, 21:8206
LUDWIG, P. K. Ionic processes in the luminescence of high-energy excited systems, 22:35872
  Luminescence decay times of ultraviolet-excited scintillator solutions, 22:28110
  Trapped positive holes in γ-irradiated 3-methylpentane systems, 23:13794
LUDWIG, Peter K. Energy transfer in radiation chemistry, 24:16608
  Fluorescence decay of liquid scintillator systems after high-energy excitation, 23:2609
  Time dependence of ion-pair recombination rates in liquids of low dielectric constant, 23:19751
LUDWIG, R. L. Chemical milling of beryllium, 23:27003 (Y-1612)
LUDWIG, Uta Changes in the surface region of metallographically prepared specimens, 23:6720
LUDWIG, W. Design, fabrication, and test of a B wing structure, 24:14675
LUDYNSKI, Z. Effect of the grain size of tungsten powder on the properties of rods and coarse wires, 23:48444
LUDYNSKI, Zbigniew Utilization of W in Polish industry, 25:58164
LUDZIEJEWSKI, J. Decay scheme of ^{125}Xe, 24:13392
  Directional correlations of gamma rays in ^{125}I, 25:5764
  Effect of one-phonon admixtures of the M1 and E2 transition rates in ^{125}I and ^{127}I, 22:5813 (INR-P-812/IA/PL)
  Electromagnetic transition probabilities in ^{151}Eu, ^{149}Sm, and ^{147}Sm isotopes, 24:47645
  Investigation of decay scheme of ^{125}Xe, 24:26634 (INR-1110)
  Properties of 321 keV $^9/_2{}^-$ level in ^{125}Te, 22:32600
  Properties of low-energy excited states in ^{125}I and ^{127}I, 22:9894
LUDZIEJEWSKI, Jerzy Application of 200 kV accelerator for production of drive-in targets from gaseous radioactive xenon, 23:49288
  Application of the gas loop for production of radioactive isotopes in the reactor, 24:25225
LUE, J. W. Hypersound attenuation in superconductors by quasi-particle creation, 25:9368
LUE, P. K. Reply to Kinman concerning 3C 345, 24:15050
LUE, Phillip K. Accurate positions of quasistellar objects determined by the plate overlap method, 23:51228
  Positions of twenty-one quasi-stellar objects, 23:22754
  Southern hemisphere radio sources. I, 25:9067
  Southern hemisphere radio sources. II, 25:9066
LUE, T. Some drift observations by radio reflections from E/sub s/, 24:10437
LUEBBERS, Scott S. Anomalous electron and ion currents in plasma-mode operation of a thermionic energy converter, 21:41863
LUEBBERT, H. Experience with a remote controlled diagnostic x-ray unit, 24:34525
LUEBECK, B. Computerized solution of one-dimensional dynamic models of catalytic fixed-bed reactors, 25:26071
LUEBELSMEYER, K. Determination of eta and π^0 lifetimes by the Primakoff effect, 23:23338
  Experimental determinations of the eta lifetime by the measurement of the Primakoff effect, 21:44253
  New measurement of the π^0 lifetime through Primakoff effect in nuclei, 24:10653 (DESY-69/48)
  New measurement of the π^0 lifetime through the Primakoff effect in nuclei, 24:15450
  Photoproduction of ω mesons from nuclei, 25:1362 (DESY-70/33)
  Single photoproduction of neutral π-mesons on H at small angles between 4 and 5.8 GeV, 21:44303 (NP-17037)
  Single photoproduction of neutral π-mesons on hydrogen at small angles between 4 and 5.8 GeV, 22:17847
  Single photoproduction of neutral π-mesons on hydrogen in extreme forward direction at 4 and 5.8 GeV, 24:26356 (DESY-70/1)
  Single photoproduction of neutral π-mesons on H at 4 and 5.8 GeV, 24:51900
  Upper limit for branching ratio GAMMA(PHI $\to \pi^0 + \gamma$)/ GAMMA(PHI $\to$ all), 23:32599 (DESY-69/15)
LUEBELSMEYER, L. Branching ratio GAMMA(phi $\to \pi^0 + \gamma$)/GAMMA(phi $\to$ all), 23:34522
LUEBKE, William R. Jr. Curve-of-growth analysis of the super-metal-rich G dwarf HR 72, 24:35007
LUECHTRATH, H. Thorotrast late lesion, 25:39947
LUECK, G. Defect structures at high frenkel defect densities, 21:25173 (ANL-Trans-446)
LUECK, H. Influence of ionizing radiation on fats. VI, 21:17679
LUECK, W. Influence of absorption of pumping light on degree of polarization of optically pumped He target, 25:53484
LUECKE, K. Dislocation pinning rate in electron-irradiated copper, 24:45319
  Dislocation-pinning memory-effect in γ-irradiated and stress-annealed copper, 25:35514
  Gamma irradiation in pure Cu, 24:8150 (AERE-R-5944(Vol.1), pp 214-25)
  System U—Zr—C, 23:1056
  Temperature dependence of dislocation attenuation in γ-irradiated Pb, 25:14459
  Thermal depinning of dislocations, 24:32443
  Ultrasonic attenuation in Pb during and following γ irradiation between 260 and 300°K, 24:8151 (AERE-R-5944(Vol.1), pp 239-54)
LUECKE, Kurt Contribution to the zirconium—carbon system, 23:8332
  Kinetics of hydrogen engassing of delta—zirconium hydride, 25:58373
  Lattice parameter and density of zirconium hydride phase, 25:58402
LUECKE-HUHLE, Christine Effect of irradiation on small lymphocytes, 24:12256
  Oxygen effect in γ-irradiated DNA, 25:26637
LUEDECKE, H. Effects of α particle correlations in elastic α scattering, 24:5412
  Effects of α- particle correlations in α scattering, 24:43252
  Reactions ^{6}Li(^{3}He,^{3}He$_0$)^{6}Li, ^{6}Li(d,d$_0$)^{6}Li, ^{7}Li(d,d$_0$)^{7}Li, and ^{6}Li(^{3}He,d$_{0,1}$)^{7}Be, 22:20462
LUEDERS, D. Iodine-125 Rose Bengal test in pediatrics, 23:38697
LUEDERS, Gerhart Calculation of the surface-parallel critical field for clean superconducting films, 22:11380
  Method of correlation function in theory of superconductivity. III, 21:3771
  Method of correlation function in theory of superconductivity. II, 21:3770
  Method of correlation functions in the theory of superconductivity. IV, 21:18567

  Method of correlation functions in theory of superconductivity. VI, 22:38974
  Method of the correlation function in theory of superconductors. V, 21:35122
  Method of the correlation function in superconductivity theory, 25:25046
  Temperature dependence of upper critical fields for clean superconductors of the second kind, 21:31358
  Temperature dependence of upper critical fields for clean superconductors. II, 23:25251
LUEDERS, J. D. Thorium high temperature reactor concept, 22:24936 (CONF-660524-, pp 91-105)
LUEDERS, K. Superconducting Nb—Ti microwave cavity, 24:30297
LUEDICKE, M. Pigment change in wings of seasonal dimorphous forms of Araschnia levane-prorsa, 24:27496
LUEERS, D. Double-Regge-pole analysis of the reaction $K^-p \to K^{*0}(890)\pi^-p$ at 7.3 GeV/c, 23:42684
LUEGGER, A. Augmentation of radiosensitivity in mammalian cells, 25:44885
  In vitro studies on radioprotective effects of melanin on mammalian cells, 25:29568
  Synchronization of the mytotic cycle of mammalian cells in vitro through fractionated x-ray therapy, 25:29611
LUEHR, C. P. Intrinsic derivation of the already unified field theory of Maxwell, Einstein, and Rainich, 25:7740
  Intrinsic vector and tensor techniques in Minkowski space with applications to special relativity, 22:35110
  Simplified intrinsic proof of Rainich differential relation, 25:53278
LUEHRS, G. Polonium-214 γ-ray spectrum with a Ge(Li) pair spectrometer, 23:11019
LUEKE, D. Theory of double pion photoproduction at low energies, 22:34896 (DESY-68/7)
  Theory of double-pion photoproduction at low energies, 23:5567
LUELING, H. High pressure steam turbine housing of 13 percent chromium steel for Beznau reactor, 23:21437
LUELING, Heinrich Steel castings for nuclear power plant, 23:41629
LUELLMANN, H. Calcium-45 loss in isolated rat diaphragms in Ca-free and normal tyrode solution, 22:51419
LUELLMANN, Heinz Calcium content and ^{45}Ca exchange in longitudinal muscle strips of guinea pig small intestine, 22:51339
LUENGO, C. A. Electron—electron scattering in electrical resistivity of In, 25:27660
  Thermal and electrical conductivities of very-high-purity indium, 23:8682
LUENING, K. G. Dominant effects of recessive lethals in mice, 22:51493
  Estimates of the genetic risks from ionizing irradiation, 25:49194
  Preliminary report on x-ray induction of recessive lethals in mouse spermatogonia, 23:38522 (A-AC-82/G/L-1099)
  Survey of nuclear explosion effects on man, 25:16276 (FOA-1-1449)
  Testing for recessive lethals in mice, 25:18956
LUENING, M. Possibilities and limitations of abdominal lymph scintigraphy in comparison with lymphography, for assessment of malignant lymphoblastomas, 25:39894
LUENOW, W. Electromagnetic waves running with light speed through multicomponent plasmas, 23:32505
  Nonlinear interaction of a circularly polarized electromagnetic wave with a cold plasma, 23:23210
  Relativistic nonlinear interaction of cold plasma with electromagnetic waves, 23:30582
  Solution of self-consistent Vlasov equations, 24:28352
LUENOW, Werner Nonlinear interaction of a steady-state circularly polarized electromagnetic wave with cold plasma, 22:44110 (IPP-6/62)
  Relativistic non-linear interaction of cold plasmas with electromagnetic waves, 21:42048 (IPP-6/58)
LUEPKER, R. Influence of recirculation on myocardial clearance curves with ^{133}Xe, 25:44860
LUERA, T. F. Dosimetry measurements at the White Sands missile range fast burst reactor, 24:33456
  Operating experience and neutron fluence characteristics of the White Sands Missile Range Fast Burst Reactor, 23:4360
LUESCHER, E. Doping of an Ar matrix with K by irradiation at 4.6°K, 24:26309
  Excited-state mixing in cesium—noble gas collisions from D_1 optical pumping, 22:955
  Longitudinal sound velocity in an Ar single crystal, 21:13633
LUESCHER, E. F. Survival rate of irradiated rats after treatment with platelet lipid extracts alone and in combination with an antifibrinolytic agent, 23:856
LUESCHER, Edgar Compton-effect calculations for astrophysical applications, 21:28924
LUEST, R. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
  Compression waves in an isothermal atmosphere with vertical magnetic field, 21:551
  Electric fields in the ionosphere and magnetosphere, 24:42588
  Electric fields in the upper atmosphere, 22:34500
  Motion of artificial ion clouds in the upper atmosphere, 21:25018
  Plasma experiments in space, 24:23942
  Preliminary results of electric field measurements in the auroral zone, 22:13332
  Relative motion of ion and neutral clouds, 23:16723
  Theoretical aspects of celestial gamma rays, 21:36966 (ESRO-SP-6, Paper 10)
LUEST, Reimar Artificial plasma clouds in space, 23:14686
LUETGEMEIER, H. Formation of a paramagnetic center at the end of the proton range in silicon, 22:9453
  Knight shift in metals, 22:26516
  Paramagnetic centres in proton-irradiated silicon, 21:42189
LUETHI, B. Critical scattering of sound in rare-earth metals, 23:14908
  Elastic and magnetoelastic effects in rare earth metals, 24:48833
  Sound propagation near magnetic phase transitions, 25:5186
LUETHY, H. Conductivity induced by x rays in DNA films, 25:16036
  Dc conductivity measurements on deoxyribonucleic acid films, 24:41765
  Improved irradiation cage for mice with homogeneous dose distribution, 23:6254
  Retention of radioactive metal ions on the skin, 23:29543
LUETJENS, G. Leptonic decay branching ratio of rho meson, 21:31532
  Mu$^-\mu^+$ decay mode of the eta^0 meson, 23:27753
  Pairs K^+K^- from reaction $\pi^- \to K^+K^-n$ at 11 GeV/c, 24:30458 (CONF-690521-, pp 529-32)
  Reactions $\pi^-p \to$ rho^{0}n and $K^-p \to K^{*0}(890)$n at 11.2 GeV/c, 22:48232
  Upper limit on K/sub s/$^0 \to \mu^- \mu^+$ decay rate, 23:42538
LUETJENS, P. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
LUETJERING, G. Precipitation in the beryllium—iron system, 25:29897
  Strength increase in Ti 35 wt. percent Nb through step-aging, 25:55490
LUETKEHANS, G. R. Economics of nuclear gas stimulation, 24:22834 (PNE-R-20)
LUETKENS, L. N. Research program to support the planning of nuclear power plants, 23:21444
LUETKENS, Luer Control of planned work at a nuclear institution through computer program, 22:46900 (JUL-521-RG)
LUETTER, W. P. Beam matching problems concerning axial injection system for Karlsruhe cyclotron, 25:50354
LUETTKE, Wolfgang IR spectra of ^{15}N substituted phosphinimies, 21:42927
LUETY, Fritz Luminescence and F′ formation involving spin-polarized F centers in KCl, 25:33436
LUETZELSCHWAB, J. W. Spin—orbit potential for 30- and 35-MeV ^{3}He elastic scattering, 23:37174
LUETZELSCHWAB, John William Elastically scattered 30- and 35-MeV ^{3}He, 23:44863
LUFFIN, Jean COREGRAF 2: adjustment and comparison with experiment, 25:28654 (CEA-N-1344(2))
LUFFMAN, B. L. Exchange cross sections for the ionization of atomic hydrogen, 23:18382
LUFT, A. Dislocation structure and work-hardening behaviour of Mo single crystals, 25:11422
  Dislocation structure in Mo single crystals, 24:18034
  Effect of grinding on dislocation structure of Mo single crystals, 23:44538
  Slip line pattern and active slip systems of tungsten and molybdenum single crystals weakly deformed in tension at room temperature, 22:24479
  Slip system determination with light and electron microscopy of cubic space-centered metals, 22:34072
LUFT, R. Increased supply of Ca to decrease uptake of ^{90}Sr from radioactive fallout, 22:31077
LUFT, Ulrich C. Acute effects of air blast on pulmonary function in dogs and sheep, 24:41087 (DASA-2461)
  Prog. rpt. on effects of irradiation and blast on pulmonary function in sheep, 1/71, 25:37873 (DASA-2630)
  Prog. rpt. on effects of irradiation and blast on pulmonary function in sheep, 1/71, 25:52185 (AD-721094)
LUGAGNE, P. Aluminum and electric power, 23:27007
LUGAKOV, P. F. Electrical and photoelectrical properties of monocrystals of p-type silicon irradiated with fast neutrons, 22:16618
  Energy spectrum of radiation disturbances in single silicon crystals, 21:26930
  High-temperature annealing of defects in silicon irradiated by fast neutrons, 21:36949
  Structural defects in Si single crystals irradiated with fast neutrons, 22:15637
LUGANSKI, D. Investigation of planetary ionospheres, 21:31310 (NASA-CR-689)
LUGARESI-SERRA, P. Exotic resonances in K^-d interactions at 3 GeV/c, 25:5287
  K^+p interactions in range 0.9 to 1.5 GeV/c, 25:1415
LUGARINI, G. "Canonical" representations of the inhomogeneous Lorentz group, 21:46439
LUGER, A. Results of hemangioma treatment with contact irradiation, 23:38736
LUGER, A. D. Closed-form implicit summation, 24:30417
LUGHOFER, W. Study of the Λ—N system in low-energy Λ—p elastic scattering, 22:50305
LUGIN, L. I. Interaction of oxides of cerium subgroup rare-earth elements with calcium oxide, 23:47442
  New compounds in systems La_2O_3—SrO and Ce_2O_3—SrO, 23:32067
  New compounds in systems Pr_2O_3—SrO, Nd_2O_3—SrO, 23:36259
  Phase ratios in Nd_2O_3—SrO system, 24:27891
  Phase ratios in the systems of barium oxide-oxides of cerium subgroup Ree, 24:39723
  Phase relationships in the magnesium oxide—cerium subgroup rare earth oxide system, 25:47178
LUGINBUHL, Heinz Walter Investigation of switching phenomena in Nb—Nb_2O_5-metal diodes, 25:52952
LUGININ, V. A. Methods of separating elements of various oxidation states, 23:13645
  Simultaneous determination of uranium(IV) and uranium(VI) by moving boundary method, 25:12938
LUGININA, A. S. Changed titre of heterophile antibodies in patients with cancer of cervix uteri, 23:31669
LUGININA, T. M. Variability in Bacillus mesentericus induced by different mutagens, 23:31688
  Variability induced by different natural mutagens, 24:34796
LUGININA, T. N. Mutagenic effect of fast neutrons on microorganisms, 25:52018 (A/CONF.49/P-690)
  Variability of Bac. mesentericus, 25:13416
LUGLI, G. NMR pseudo-contact shifts in U(allyl)$_4$, 24:18941
  Organometallic chemistry of U, 24:201
LUGMAIR, G. Determination of the capture cross sections of ^{154}Gd for reactor neutrons, 21:2725
  Pile neutron capture cross sections of rare earth isotopes, 21:4317
  Separation of stable isotopes of the rare earths, 21:1528
LUGMAIR, G. W. Solar wind gases, cosmic ray spallation products, and the irradiation history, 24:21533
LUGMAYR, D. Distribution of ^{137}Cs in cattle, 25:24018
LUGNER, K. Preparation of Plexiglass light-guides for scintillation counter hodoscope elements, 24:11822
LUGNER, Kjell Method for construction of strip light-guides, 25:15885 (LUSY-6903)
LUGO, A. Metabolism and evapotranspiration of some rain forest plants and soil, 25:21953 (TID-24270, pp I.103-64)
LUGO, Ariel Metabolism of forest-floor microcosms, 25:21973 (TID-24270, pp I.35-56)
  Photosynthetic studies on four species of rain forest seedlings, 25:21952 (TID-24270, pp I.81-102)
LUGO, Hector M. Cesium uptake from dilute solutions by young wheat seedlings as affected by selected cations, 21:24303
LUGOL, J. C. Computer systems in Saclay's cyclotron experiments, 24:8774 (CONF-690301-, pp 413-16)
LUGOL, Jean-Claude Coupling of a real time computer to nuclear detectors systems, 23:7728 (CEA-R-3460)
LUGOVENKO, V. N. Problem of separating the geomagnetic field into an anomalous and a normal component, 22:24129
  Statistical characteristics of anomalous gravitational and magnetic fields, 25:16921
  Study of the morphology of the geomagnetic field by means of autocorrelation analysis, 21:29117
LUGOVOI, V. N. Induced combinational scattering in anisotropic media, 21:3695
LUGOVTSOV, A. A. Propagation of weak shock waves in a magnetic field, 21:11662
LUGSCHEIDER, W. Thermoanalytical and x-ray investigations in the lead—tellurium system, 21:11310 (AERE-Trans-1063)
LUGSCHEIDER, Walter Constitution of binary alloys of Gd, Dy, Ho, and Er with Mn, 21:26859
  Defects in Al and Al-alloys containing Be, Ni, Ti after deformation, 22:19560
  Differential thermal analysis for determination of the enthalpies of melting of metals and alloys at temperatures to 1200°C, 21:22884
  Neodymium—, Sm—, and Tb—Mn phase diagrams, 24:14780
  Phase diagrams of rare earth—Hg systems, 21:4960
  Phase diagrams of the terbium— and ytterbium—mercury systems, 22:28836
LUGT, Hans J. Magnetohydrodynamics of rotating fluids, 21:43880
LUH, Wilfried Rabbit ovary after x-irradiation, 23:50874
LUHLEICH, H. Condensation of cesium in coated particles, 22:37617
LUHLEICH, Hartmut Importance of Langmuirschicht for deposition of pyrocarbon, 23:41709
LUHMAN, T. S. Effect of omega phase reversion on the superconducting transition in titanium-base alloys, 25:19590
  Superconducting properties in Ti—Cr alloys, 24:3277
LUHMAN, Thomas Stewart Superconductivity and constitution of titanium base transition metal alloys, 25:56108
LUHRS, L. B. Geophysics analysis system for seismogram analysis, 23:24485 (NVO-1163-34)
LUI, Da-jiang Ultraviolet induced mutation of Geotrichum candidum, 21:1851
LUI, Y. Y. KLL Auger spectrum of Mn, 21:5507
LUICK, J. R. Biological effects of ionizing radiation on milk synthesis. III, 21:22257
  Evaluation of three isotope-dilution techniques for studying the kinetics of glucose metabolism in sheep, 23:47387
  Prog. rpt. on nutrition and metabolism of reindeer, 6/15/70—6/14/71, 25:24134 (TID-25680)
LUIG, H. Imaging properties of the positron camera, 25:378
LUIKOV, A. V. Diffusion in plasma with recombination, 22:20009
LUINA, A. P. Application of ion exchange for recycle of 2-ethyl-1-hexanol to sol-gel preparation of spheres, 25:15727 (ORNL-TM-3226)
LUIPPOLD, H. E. Nonrandom rejoining in the formation of chromatid interchanges, 24:2637
  Radiation-induced human chromosome aberrations: in vitro dose rate studies, 25:49165
LUISI, James A. Position—classification computer, 21:47045 (UCRL-13312)
LUITEN, A. L. Superconducting dynamo and solenoid combination operating at high-current level, 22:39007
  Superconducting magnets, 23:18549
LUIZ, A. M. Does a uniformly accelerated charge radiate, 24:49392
  Electromagnetic-mass paradox, 23:49089
  Free fall of a classical charged particle, 24:24198
LUJAN, Javier Reyes Radiolysis of petroleum products, 22:33471
LUJF, A. Effect of radiation on erythrocyte metabolism, 24:6104
LUKAC, P. Determination of electron density with cylindrical TM_{010} microwave cavity, 23:3463
  Device for preparing radioactive kryptonates by ion bombardment, 24:22041
  Effect of impurities on the afterglow studies in argon and neon, 23:42274

Measurement of electron density of discharge plasma by means of toroidal resonator, 21:13548
Microwave equipment for studying loss processes in a discharge, 21:31407
Radio-release determination of pH using radioactive kryptonate, 25:12955
Solid-solution strengthening at 77°K in Cd single crystals containing Zn, 25:13670
Technique of investigating spiralling discharges, 22:3089
LUKAC, Peter Use of short-lived radionuclides in activation analysis, 22:12252
LUKAC, S. Investigation of decomposition products of organic reactor coolants by means of gas chromatography, 22:37667
Radiolysis of solid malonic and succinic acids, 23:49863
LUKACEVIC, Ilija Alfven waves in relativistic magnetohydrodynamics, 22:52607
LUKACEVIC, Llija Shock and rotation waves in relativistic magnetohydrodynamics, 25:47373
LUKACH, I. Orbiting and resonance states, 22:20340 (JINR-P2-3692)
Orbiting and resonance states, 23:5695
Quantum numbers in little groups of Poincare group, 21:7521 (JINR-E2-2982)
Quantum numbers in little groups of Poincare group, 22:20282
Radiation of particle on orbit in $U(r) = -\alpha/r^2$ field, 22:39493 (JINR-P2-3848)
LUKACS, Ecaterina Experimental studies on blood protein and immunogenicity of ^{32}P-irradiated animals, 22:40805
Radioprotective effect of serotonin, 23:41265
LUKACS, G. Economic comparison of sea water desalination plants in combination with various types of nuclear reactors, 24:22467 (BMwF-FBK-69-40)
Nuclear powered sea water desalination plant, 24:50206
LUKACSOVICS, F. Effect of γ irradiation (^{60}Co) on pupae of B. mori L, 21:13021
LUKACSOVICS, Ferenc Study of the effect of γ radiation on diapausal ova of B. mori L, 21:13046
LUKANIN, V. S. Scheme for the stabilization of the amplification coefficient of photomultipliers of multicrystal scintillation gamma spectrometers, 22:36095
Scintillation method of spectrometry of small quantities of radioactive elements in large-volume samples, 23:38301
LUKAS, George Relativistic shock waves, 25:55668
LUKAS, H. L. Apparatus for high-temperature differential thermal analysis, 22:16736 (BMwF-FBK-67-86)
Crystal structure of U_2Co_3Al, 22:19565
LUKAS, Ingrid R. Mass number dependence of level density parameter in (α,n) reactions, 23:42881
Neutron evaporation spectra from (α,n) reactions on medium and heavy nuclei, 21:29943
Nuclear temperatures in (α,n) reactions, 22:37377
Statistical emission and nuclear level densities in (α,n) reactions, 24:13328
LUKAS, K. The chemical vapour deposition and burst testing of silicon carbide tubes, 25:24669 (AECL-3674)
LUKAS, Paul OGO-V plasma wave detector, 23:46395
LUKAS, W. U ore deposits in permotriadic Tyrolean sediments, 25:21211
LUKASH, V. N. Impossibility of mixing in cosmological model of Bianchi IX type, 25:40329
Model of mixmaster universe with arbitrarily moving matter, 25:52590
LUKASH, William M. Liver scanning for detection of collateral circulation in liver disease, 23:12154
LUKASHENKO, V. I. De-excitation of decaying discharge plasma in cesium vapor, 23:44413
Ionization in discharge cesium plasma, 21:46375
Plasma decay in helium and argon at elevated pressure, 23:7006
LUKASHEV, V. K. Uranium and radium in zone of active water exchange of northeast part of Pripyat basin, 22:27905
LUKASHEVICH, I. I. High-speed Moessbauer spectrometer, 21:39241
Interference of conversion and of photoeffect on absorption of 26-keV gamma quanta by Dy_2O_3, 23:46563
Internal conversion and photoeffect in ^{161}Dy, 24:15421
Spectra of an admixture of ^{161}Dy nuclei in Gd, 21:21050 (IAE-1221)
LUKASHEVICH, V. V. Life times of levels of ^{125}Te nucleus, 25:15055
Lifetime measurements in the picosecond range using coincidence technique, 21:45411
LUKASHEVITCH, V. V. Differential converter for nuclear level lifetime measurements, 23:29269
Lifetime of 2007-keV level for ^{48}Ti nucleus, 25:12508
LUKASHIN, B. P. Comparative study of the radioprotective activity of cystamine in the case of local and total irradiation of mice and rats, 25:44838
Influence of cystamine on number of dysplastic hairs and nucleated cells of bone marrow in irradiated mice and rats, 25:44836
LUKASHOV, V. E. Asymmetry in the emission of π^+ mesons in 612 MeV pp-collisions with a polarized proton beam, 21:17036
LUKASHUNAS, N. I. Chamber for the study of nuclear reactions, 23:45530
LUKASIAK, A. Theoretical estimates of lifetimes of superheavy nuclei, 25:59803
LUKASIAK, Andrzej Theoretical estimates of lifetimes of superheavy nuclei, 25:48114 (INR-P-1293)
LUKASIK, S. Arterial hypertension following radon inhalations, 22:51959
Effect of radon inhalation in arterial hypertension, 24:888
Prog. rpt. on electrochemical meter for measurement of hydrogen in sodium, 10—12/68, 23:40538 (PB-183567)
Urinary excretion of catecholamines in patients with arterial hypertension after Rn inhalations from Swieradow springs, 23:45661
LUKASIK, Seweryn Increased tissue blood due to radioactive baths, 25:44880
LUKASIKOWA, W. Arterial hypertension following radon inhalations, 22:51959
Effect of radon inhalation in arterial hypertension, 24:888
Urinary excretion of catecholamines in patients with arterial hypertension after Rn inhalations from Swieradow springs, 23:45661
LUKASOVA, E. Changes in DNA secondary structure after x irradiation, 25:46741
LUKASZUK, L. Absolute upper bounds for ππ scattering, 22:3388
Oscillations of scattering amplitudes at high energy, 21:21306
LUKASZUK, Leszek Limits on strength of interactions from axiomatic field theory, 25:30852
LUKATS, B. Radiosterilization of pharmaceutical materials, 22:52105
LUKATS, Bela Resistance of solid susbstances to gamma radiation, 25:34660
LUKATSKAYA, F. I. Autocorrelation and spectral analysis of light curves of SS Cyg, Z Cam, and RU Peg, 23:3172
Random and stationary character of light changes of irregular and semiregular variables, 22:8982
Regular variations in optical emission of quasars and x-ray sources, 25:45230
Statistical parameters of the radiation of irregular and semiregular variables, 22:43711
LUKAWAKA, K. Fractures of femur and pelvis after x-ray therapy, 23:41478
LUKAWSKA, K. Radiological treatment of carcinoma of uterine cervix, 21:36639
LUKAWSKA, Krystyna Complications occurring after five years in patients with carcinoma of the cervix uteri subjected to radiotherapy, 22:31127
Fractures of femoral neck and of pelvis as a result of x-ray treatment of carcinoma of uterus, 21:45804
Gamma dose in rectum during treatment of carcinoma of uterine cervix with radium, 25:24274
Strontium-87m scanning of bones, 22:38343
LUKE, C. L. Determination of trace elements in inorganic and organic materials by x-ray fluorescence spectroscopy, 22:25285
Spectrophotometric determination of tin in metals and alloys, 21:38908
X-ray determination of traces of Hf in Zr metal or Zr in Hf, 22:27572
LUKE, H. H. Mutation rates with gamma rays at a specific locus in oats, 21:22779
LUKE, M. O. Hydrogen—deuterium exchange of medium ring cycloalkenes during deuterogenation with tris(triphenylphosphine)chlororhodium(I), 25:10539
LUKE, Robert A. π^-p multi-pion final states at 4.2 GeV/c, 23:23378
LUKE, S. K. Radio-frequency spectrum of H_2^+, 23:27268
Relativistic theory of H_2^+, 23:20669
LUKE, Stacy Wenzel Origin of long-period micropulsations in the geomagnetic field, 25:35964
LUKE, Yudell L. Prog. rpt. on γ function, 3/1—6/15/69, 24:16355 (COO-1619-9)
LUKEFAHR, M. J. Effects of substerilizing doses of reserpine and gamma irradiation on reproduction of the tobacco budworm, 25:49277
LUKEL'EVA, S. I. Radiation sensitivity of certain bacteriophages, 22:590
Radiobiological properties of Klebsiella bacteriophages, 22:33990
LUKENS, H. R. Analysis by excitation with 6- and 8-MeV bremsstrahlung, 21:35882
Assay of U and Th, 23:35042
Development of nuclear analytical techniques for oil slick identification (phase I), 24:48049 (GA-9889)
Examination of case evidence samples by neutron activation analysis, 24:135
Forensic Activation Analysis: bullet lead, 22:30452
Forensic neutron activation analysis of paper, 25:20947 (GA-10113)
Forensic neutron activation analysis of bullet-lead specimens, 25:20948 (GA-10141)
Forensic neutron activation analysis of paint, 25:31845 (GA-10142)
Instrumental determination of rare earth elements by activation analysis, 23:7442 (CONF-681020-(Vol.2), pp 667-74)
Manual resolution of gamma-ray photopeaks, 24:91
Neutron activation analysis determination of 14 rare-earth elements, 23:35041
Neutron activation analysis for determination of Be, Li, B, F, and Pb, 22:47080
Neutron activation analysis for plutonium mixed in soil, 21:12325
Neutron activation analysis of biological materials, 23:45221 (CNM-R-2(Vol.1), pp 346-56)
Neutron activation determination of all 14 stable rare earth elements, 24:31264
Neutron-activation analysis of bullet lead, 21:35877
Neutron-activation determination of Re and Eu in ores, 21:35864
Photonuclear activation analysis for various elements, 23:4541
Photonuclear reaction yields and cross sections for formation of isomers, 24:49
Pre-irradiation separation for determination of V in blood serum, 21:5762 (RISO-138)
Probabilities associating hand barium and antimony levels with handgun firing, 25:39457
Prog. rpt. on applications of neutron activation analysis in scientific crime investigation, annual, 6/1/68—5/31/69, 24:50356 (GA-9822)
Prog. rpt. on applications of neutron activation analysis in scientific crime investigation, final, 9/70, 25:29012 (GA-10276)
Prog. rpt. on applications of neutron activation analysis in scientific crime investigation, 5/62—5/68, 25:34542 (GA-9807)
Sensitive and accurate activation analysis method for the routine determination of fluorine, 21:5799
Special report on gunshot residues measured by neutron activation analysis, 25:20946 (GA-9829)
Statistics of paint comparisons by neutron activation analysis, 25:39458
Trace-element characterization of crude oils and fuel oils via instrumental neutron activation analysis, 25:31879
Ultra-sensitive determination of lithium by neutron activation analysis, 22:37699
Utilization of reactor pulses and subsecond half lives in neutron-activation analysis, 21:35879
LUKENS, H. R. Jr. Activation analysis at General Atomic, 21:45028
Neutron activation for measuring bone calcium content, 25:10907 (N-70-31814)
LUKENS, H. Richard Statistical interpretation of trace element patterns in paper, 25:48467 (CONF-710402-(Vol.2), pp II.81-6)
LUKENS, J. E. Fluctuations near the onset of resistive transition in filamentary superconductors, 24:51566 (NYO-3029-44)
Flux fluctuations and critical currents in superconducting ring near T/sub c/, 22:31740
Onset of quantized thermal fluctuations in one-dimensional superconductors, 25:1133
Spontaneous transition of superconducting ring, 23:42166
Versatile superconducting femtovolt amplifier and multimeter, 25:14217
LUKENS, James Edgar Tin ring containing a weak link, 23:51582
LUKENS, K. F. Initial aging behavior of quenched Cu—Be alloys, 21:45911
LUKES, T. Exact propagator for an electron in a uniform electric field, 23:30312
LUKHMINSKII, B. E. Calculation by Monte Carlo method of distribution of photoneutrons from a beam of γ radiation with initial energy of 4.1 MeV, 25:4152 (CSIRO-Trans-10083)
Calculation of distribution of photoneutrons from beam of gamma radiation, 24:9514
Calculation of space—time distribution of neutrons in homogeneous sandstone by Monte Carlo method, 24:9512
Monte Carlo calculation of nonstationary distributions of neutrons and capture γ rays, 24:51777
LUKHNITSKII, V. A. Applications of neutron activation analysis to measurement of evaporation rate of solids in range of 10^{-7} to 10^{-9} g cm^{-2} sec^{-1}, 23:49754
LUKHOVITSKII, V. I. Radiation induced increase of stability of polymerizing emulsion systems, 22:37801
Radiation induced polyisobutene degradation in heptane solution, 21:5937
LUKIC, Y. Titanium (n,p) cross-section measurements, 23:37163
LUKIC, Yovan Titanium (n,p) cross-section measurements, 25:12504
LUKIERSKI, J. Analytic representations of two-point functions with noncanonical light cone singularities, 23:13120 (JINR-E2-4148)
Application of reduction formulae in Zachariasen—Thirring model, 23:19014
Bilocal field operator describing an arbitrary two-particle state, 25:59583
Complex double pole and decay law, 21:31589
Complex double poles in the propagator and spectral condition, 21:31644
Complex higher-order poles and generalized unstable particles, 22:53035
Complex Lee—Wick poles as CDD ghosts, 24:24427
Condition $Z_3 = 0$ and equal-time commutation relations, 21:27426
Covariant theories of antisymmetric massive tensor of rank two, 23:5669
Definition of creation and annihilation operators of covariant unstable particle, 22:39313
Description of N-theta sector in Lee model, 25:28067
Electromagnetic potentials in Landau gauge, 21:9677
Equal-time commutators for the renormalized current in quantum electrodynamics, 23:15225
Equal-time singularities in renormalized quantum field theory, 24:43031
Equal-time singularities in renormalized quantum field theory, 24:52180
Equivalence of two formulations of massive spin-one field theory, 22:29746
Field operator for an interacting unstable elementary system, 23:44706
Field operator for interacting unstable elementary system, 23:8837 (JINR-E2-4149)
Field theory describing interacting two-particle subsystems. I, 23:21159
Field theory describing interacting two-particle subsystems. II, 23:49200
Field-theoretic description of massless particles with higher spin and definite parity. I, 24:15665
Formulation of quantum electrodynamics with strong Lorentz condition. I, 21:15403
Formulation of quantum electrodynamics with strong Lorentz condition. II, 21:29628
Generalization of Haag—Ruelle theory of asymptotic fields, 22:24727
Generalized scattering amplitudes for covariant and local unstable particles, 22:44519
Lagrangian formalism for (2J+1)-component higher spin theory, 21:18931
Lagrangian formulation of Zachariasen model with a CDD pole, 24:20221
Lee model with V particle having continuous mass spectrum and energy-conserving V—NTHETA vertex, 25:43671
Modification of solutions in Froissart model and massless second-order pole, 22:41857

Nonuniqueness of the canonical formalism in the presence of an indefinite metric, 22:22446
Operator formulation of quantum electrodynamics in Landau gauge, 22:18013
Quantized Cauchy data and particle states for theories with higher-order derivatives, 23:16993
Renormalizability of higher spin theories, 22:15763
Space of states of relativistic double-pole fields, 21:4104
Theory of free relativistic multipole field. I, 22:7550
Theory of free relativistic multipole field. II, 22:11726
Translational invariance and energy-momentum conservation law for unstable particles, 21:18935
LUKIERSKI, Jerzy Analytic function in coordinate space, 23:32806
Analytic representations of two-point functions with noncanonical light cone singularities. I, 23:30808
Decay laws for unstable particles, 22:20158 (INP-555/PH, pp 155-70)
Extension of the conventional framework of local quantum field theory, 24:15652
Quantum gauge transformations, 22:5634
Singularities of two-point Green functions, 25:30959
LUKIN, A. A. Factors affecting dissociation of B. brevis, 22:47504
LUKIN, A. M. Phosphonazo III and two of its analogues, 22:48867
Rezarson as a reagent for molybdenum, 23:13644
Rezarson as a reagent for the spectrophotometric determination of niobium, 25:57333
Studies in field of analytical chemistry of U. V, 25:34531
LUKIN, D. S. Calculations of radio-wave refraction in horizontally non-homogeneous troposphere and ionosphere, 22:2920
Radio-wave propagation in nonhomogeneous magnetoactive atmosphere, 22:2918
LUKIN, E. S. Sintering and properties of yttrium oxide ceramics, 25:55606
Vaporization and creep of sintered oxide ceramics, 23:44016
LUKIN, G. Ya. Water desalination plants for seagoing vessels, 22:10161 (AEC-tr-6909)
LUKIN, T. Yu. Angular distribution of shower particles in high-energy interactions, 22:21941
LUKIN, Yu. T. Analysis of a number of characteristics of high-energy interactions, 22:15672
Cross section of interactions of nuclear-active particles with lead at 10^{11} eV, 22:21927
Development of electromagnetic showers in lead, 22:21920
Electron—photon cascade showers in Fe and Pb at energies exceeding 100 GeV, 22:2827
Energy characteristics of cosmic particle interactions with carbon atomic nuclei, 23:18800
High-energy physics and cosmic ray studies in Kazakhstan, 22:32042
Homogeneity of light-collection from large-area plastic scintillator, 23:41010
Investigation of four-dimensional momenta transmitted in high-energy interactions between cosmic-ray particles, 22:46460
Moments of cascade curves in iron and lead, 22:44372
Probability of the recording of stars by an ionization calorimeter, 21:28257
Transmission of 4-dimensional momentum in interactions at 400 GeV, 22:15704
LUKINA, L. V. Aurora during cycle of solar activity, 24:30213
Auroral arcs at Vostok during IQSY, 24:19818
Auroras during a period of minimum solar activity, 21:46240
Auroras in magnetically disturbed and magnetically quiet periods, 21:5176
Four orientations of auroral arcs, 25:33134
Magnetic activity and auroras at Vostok station during the IQSY, 23:20765
Movement of auroras in the polar region, 24:21682
LUKINOV, I. N. Spatial distribution of electromagnetic waves in the beam-plasma discharge, 23:42363
LUKIRSKII, D. P. Optical absorption in LaSb, 23:8676
Reflectivity of the metallic phase of V_2O_3, 25:45598
LUKISHOV, G. I. Criteria for the assessment of leaktightness and shielding properties in packaging for the transport of radioactive materials, 25:51816
Standardization of packaging for the transport of radioactive materials, 25:51811
LUKOSHYUS, P. P. Theoretical investigation of inelastic collisions of electrons with molecules, 25:24912
LUKOVNIKOV, A. I. Electron distribution function in a low-temperature plasma, 25:36134
LUKOVTSEV, P. D. Electrochemical behavior of a niobium oxide film in acetic anhydride solutions, 25:45003
Ionic conductivity of oxide films on niobium, 22:50969
LUKOWSKA, Irena Polycythemia vera before and after treatment with ^{32}P, 23:29682
LUKS, H. Reactor pressure vessels from stressed concrete, 21:5635
LUKS, Harald Reactor pressure vessels from stressed concrete, 21:1165 (JUL-350-VW)
LUKS, K. D. Second-order contributions to transport processes in a plasma, 22:41593
LUKS, R. K. X-ray luminescence and thermoluminescence of SrF_2 and BaF_2, 25:36317
LUKSTYN'SH, Yu. Possibility to test the CP-invariance in K/sub s/$^\circ$ $\to$ 3π decays in correlation experiments with K$^\circ$ anti K$^\circ$ pairs, 21:33674
Search for long lived Λ° hyperons, 21:31523
LUKYAENKO, E. A. High-current microtron (30 MeV), 21:29800
LUK'YANCHIKOV, G. S. Amplifying electromagnetic radiation through use of averaged high-frequency field forces, 24:8545 (AEC-tr-7117)
Deformation of a non-homogeneous plasma flux under the action of ponderomotor forces, 23:14782
Plasma containment in a three-dimensional trap formed by a microwave quasipotential, 22:22131
Possibility of amplifying electromagnetic emission related to use of averaged hf field forces, 23:46470 (NP-18007)
Radiation acceleration of a plasma, 21:18735
LUK'YANCHUK, A. N. High-frequency stabilization of potential perturbations in plasma, 23:36707 (IAE-1657)
Stabilization of potential oscillations of plasma in a Q machine, 23:36712
LUK'YANCHUK, I. I. Changes in the molybdenum content in the rabbit organs under the effect of x-rays, 25:24342
LUK'YANENKO, E. A. Acceleration of electrons in a microtron with an inhomogeneous magnetic field, 24:49667
Design and operating characteristics of a microtron, 23:32878
LUKYANOV, A. A. Calculation of neutron energy spectrum in UA-RR-1 reactor core, 24:18723 (UARAEE-8)
Generalized Porter—Thomas distribution for resonance widths, 24:13433
Multilevel description of the energy structure of neutron cross sections, 23:17141
Spectrum of retarded neutrons, 25:5505
LUK'YANOV, A. V. Ternary solutions by isopiestic method. IX, 21:27970
LUK'YANOV, G. A. Investigation of a supersonic rarefied argon plasma jet, 21:33376
Investigation of the supersonic jet of rarefied argon plasma, 22:5319
Parameters of hydrogen plasma in supersonic spherical source, 24:21793
Population of hydrogen levels in the argon—hydrogen plasma jet, 21:6988
Possibility of utilization of plasma jets for amplification of radiation, 23:10656
Probe measurements in the rarefied plasma jet, 24:26157
Spectroscopic investigation of supersonic plasma jets, 24:23964
Steady supersonic source of nonequilibrium plasma, 25:43192
LUK'YANOV, S. Yu. Plasma physics. II, 24:35368
LUK'YANOV, V. F. Analytical chemistry of thorium. V, 23:79
Interaction of zirconium(IV) with pyrocatechol violet, 22:27579
Studies in field of analytical chemistry of U. V, 25:34531
LUK'YANOV, V. K. Calculation of direct nuclear reactions by the distorted wave method, 21:2775
Deuteron stripping reactions on deformed nuclei, 21:12079 (JINR-P4-3070)
Deuteron stripping reactions on deformed nuclei, 22:14096
Diffraction method for studying stripping reaction on deformed nuclei, 21:44736 (JINR-P4-3447)
Elastic electron scattering by nuclei at an arbitrary charge density distribution, 22:46818 (JINR-P4-3941)
Elastic scattering of electrons on nuclei at arbitrary charge density, 23:25946
Electron inelastic scattering on nuclei with excitation of low lying levels, 24:38373
High-energy approximation in particle scattering on nuclei, 22:48268
High-energy approximation in scattering of particles on nuclei, 22:9920 (JINR-P4-3568)
Intermediate excitations in deuteron stripping reactions, 22:42099 (JINR-P4-3872)
Multi-channel aspects in stripping reactions on spherical and deformed nuclei, 25:56817 (JINR-E4-5836)
Multi-step stripping on deformed nuclei, 23:4047 (JINR-E4-4015)
Multi-step stripping on deformed nuclei, 23:13336
Multi-step stripping on deformed nuclei, 25:3732
Multiple excitation near the Coulomb barrier, 23:44993
Perturbation approach to the multi-step stripping on deformed nuclei, 25:25837
LUK'YANOV, V. M. Structure and phase composition of silicide coatings on niobium, 22:52278
LUKYANOV, V. P. Tables for calculation of absorbed dosage in therapy, 22:25855
LUKYANOV, V. V. Investigation of the radioactive aerosol distribution over oceans and some problems of the latitudinal exchange in the tropical zone, 21:6051
LUK'YANOVA, L. A. Binary system uranium tetrafluoride—uranium dioxide, 21:5874
Infrared spectrometric investigation of dehydration products of UF_4 and PuF_4 crystal hydrates in a current of dehydrated HF, 22:4139
Reduction of uranium tetrafluoride vapors by certain metals, 25:18372
UF_4—UO_2 binary system, 22:33294 (NLCO-Tr-9)
LUK'YANOVA, L. D. Combined action of vibration and ionizing radiation on metabolism and functioning of central nervous system, 21:16437 (JPRS-38272, pp 334-5)
Combined effect of spaceflight factors on some functions of the organism, 21:30911
Effects of space flight on the central nervous system, 25:11298
LUK'YANOVA, R. G. Self-similar solution for Navier—Stokes equation for H plasma, 23:42322
LUKYANOVA, S. N. Investigations of the reactions of mammalian brain to static magnetic fields, 25:6794
LUK'YANOVA, S. Yu. Plasma physics, 22:46097
LUK'YANOVICH, V. M. Covering of radioactive and irradiated potassium sulfate crystals by metal sols, 22:30612
LULIC, S. Activation cross sections of Sn isotopes for 14-MeV neutrons, 23:1904
Interactions of ^{233}Pa with tissues of M. galloprovincialis and C. mediterraneus, 24:7717
Interactions of ^{233}Pa with tissues of Mytilus galloprovincialis and Carcinus mediterraneus, 24:34062
Loss of Ce, Co, Mn, Pm, Ru, and Zn during dry ashing of biological material, 23:47388
Reactions (n,2p) at 14 MeV, 25:7828
LULLINI, I. Galliani Mitotic activity of fibroblasts and myoblasts, 21:16478
LULLINI GALLIANI, I. Research on the radioprotective action of cysteamine on tissues cultured in vitro, 23:8041
LUM, G. S. In-vitro studies of rat viruses. II, 25:27117
LUM, John K. Jr. HAL1903: digital logic simulator, 25:37254 (UCRL-72694)
HAL19033: digital logic simulator, 25:41679 (UCRL-72694(Rev.1))
LUMB, B. R. Current trends in liquid scintillation data processing, 24:5891
LUMB, C. Water pollution, 24:25432
LUMB, Judith Rae Influence of analogs of xanthine on the mutagenic effect of ultraviolet light, 22:51538
Inhibition of dark repair of ultraviolet damage in DNA by caffeine and 8-chlorocaffeine, 22:51435
LUMB, R. F. Economics of UO_2 fuel for research reactors, 21:14093
PULSTAR: slightly enriched UO_2 fueled reactor, 23:47239 (CNM-R-2(Vol.1), pp 408-49)
LUMB, Ralph F. Comparison of natural- and forced-convection cooling for a pulsed uranium-oxide reactor, 21:8094
LUMBROSO, A. Generating coordinates in continuum states, 25:56825 (LYCEN-7104, C6.1-12)
LUMBROSO, Albert Meson exchange effects on electron scattering form factors in ^{12}C, 24:49398
Meson exchange effects on electron scattering form factors in ^{12}C, 24:52433
RPA description of ground state of ^{12}C, ^{16}O, ^{40}Ca, and ^{208}Pb, 23:34729
LUMER, L. Ya. Installation of nuclear reactors, 24:33177
LUMINARI, M. Dynamic behaviour of two-phase flow rods for nuclear reactor control, 25:10187
LUMING, M. Set of exactly solvable potentials, 21:3953
Theory of O(4) invariant potentials and its application to a short-range example, 21:4074
LUMMERZHEIM, D. Direct determination of traces in highly purified graphites, 24:4226
LUMMERZHEIM, Diethard Improvement of emission spectral analytical detection possibility through use of stationary magnetic field on arc, 24:16408 (JUL-614-RW)
LUMPKIN, A. Development of Compton polarimeter with solid state detectors, 25:21484
LUMPKIN, A. H. Polarization measurements of the gamma-ray transitions from the 1.459-MeV level in ^{19}F, 25:50654
LUMPKIN, C. K. Conference on nuclear criticality safety, Las Vegas, Nevada, 12/66, 21:17556 (SC-DC-67-1305)
LUMPKIN, L. Instrumentation for Moessbauer effect experiments using radioactive sources, 22:6675 (NYO-2028-2, pp 159-69)
LUMPKIN, O. J. Nuclear magnetic resonance in dilute Cu-base Cu—Mn alloys, 22:7401
LUMRY, Rufus Prog. rpt. on energy transfer and utilization in the photosynthetic process, 5/1/67—5/1/68, 22:43205 (COO-894-30)
Prog. rpt. on energy transfer and utilization in biological systems, annual, 4/16/70—4/15/71, 25:39364 (COO-894-7)
LUM-SHUE-CHAN, K. Atomic absorption determination of Mo, 24:2119
LUMU, F. R. Determination of major and trace elements in soils, 24:43973
Extraction of uranyl acetate and sulphate by triiso-octylamine, 24:44081
LUN, K. K. Use of compensating clinoid filters in irradiation of inclined surfaces, 23:8046
LUNA, Mario A. Lingual thyroid: report of case, 25:16250
LUNA, R. E. Aerodynamic breakup of liquid drops, 21:34408 (SC-RR-66-2716)
Automated meteorological measurement system, 22:6483 (SC-DC-67-2339)
Comparison of turbulence intensity and stability ratio measurements to Pasquill turbulence types, 25:34747 (SC-DC-70-5443)
DIFOUT: atmospheric transport and diffusion model, 22:40236 (AECL-2787, pp 307-19)
DIFOUT: model for computation of aerosol transport and diffusion in the atmosphere, 23:11655 (SC-RR-68-555)
Operation Roller Coaster: near ground-level air sampler measurements, 24:22789 (SC-RR-69-788)
Turbulence data for use in hazard analyses, 22:6484 (SC-DC-67-2343)
LUNA, Robert E. Climatology of atmospheric diffusion prediction variables, 25:28881 (SC-DC-713920)
LUNAU, Wigand Moisture determination in solids by neutron radiation, 25:18362
LUNC, Michal Astrodynamics, 21:21850
Conference on life in spacecraft, Belgrade, 1967. IV, 24:14511
Conference on problems of propulsion and re-entry, Madrid, 1966, 23:20875
Fifteenth International Astronautical Congress, Warsaw, 9/64. II, 21:25763
Fifteenth International Astronautical Congress, Warsaw, 9/64. III, 21:25764
Life in space craft, 21:21851
Propulsion and re-entry, 21:21849
Space craft systems, 21:21848
LUND, A. ESR single-crystal study of radical and radical-pair formation in some γ-irradiated vinyl monomers, 25:54634
Formation of CO_2^- radical ions in γ-irradiated $NaHC_2O_4.H_2O$, 24:22721
Hydrazine cation radical formation in γ-irradiated single crystals of hydrazinium hydrogen oxalate, 22:30589 (NP-17484)

Hydrazine cation radical formation in γ-irradiated single crystals of hydrazinium hydrogen oxalate, 22:42755
LUND, Anders Electron spin resonance studies of primary processes in radiation induced reactions. I. 1,3-butadiene adsorbed on silica gel, 24:48110 (NP-18453)
Electron spin resonance studies of primary processes in radiation induced reactions. II. Single crystal 1,3-butadiene, 24:48109 (NP-18452)
Electron spin resonance studies of primary processes in radiation-induced reactions. I, 25:54640
Electron spin resonance studies of primary processes in radiation-induced reactions. II, 25:54639
Electron spin resonance studies on irradiated heterogeneous systems. VI, 25:129 (NP-18478)
Electron spin resonance studies on radiation-induced polymerization of ethylene and isobutene on silica gel, 22:23040
Energy transfer in γ-irradiated system benzene—silica gel, 23:47542
ESR of irradiated heterogeneous systems. V, 24:7455
ESR studies on irradiated heterogeneous systems. VI, 25:23594
Relative signs of principal elements of the α-proton hyperfine coupling tensor in NH_2CONHO, 25:2219 (NP-18449)
LUND, C. Polymeric and monomeric Pu in mouse tissues, 23:24630
LUND, Carol J. Alpha counting by liquid scintillation spectrometry, 23:16328
Metabolic and therapeutic studies of plutonium. IV, 23:45721 (ANL-7535, pp 60-5)
LUND, D. M. Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report IX. Second report on uranyl nitrate, 24:46459 (TID-25510)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report II. First report on uranyl nitrate, 24:48242 (TID-25516)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report I. Basic program, 24:48241 (TID-25515)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report III. First report on uranium hexafluoride, 24:48243 (TID-25517)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report VII. First report on ^{233}U enriched uranyl nitrate, 24:48247 (TID-25521)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report VIII. First report on uranium oxide, 24:48248 (TID-25522)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report X. Second report on uranium hexafluoride, 24:48249 (TID-25524)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report IV. First report on plutonium nitrate, 24:48244 (TID-25518)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report V. First report on plutonium oxide, 24:48245 (TID-25519)
Qualification of umpire laboratories for the analysis of uranium and plutonium materials specifications. Report VI. First report on plutonium metal, 24:48246 (TID-25520)
Umpire qualification program, 24:2095 (IN-1316, pp 69-75)
LUND, D. S. Electron number densities in auroral irregularities: comparison of backscatter and satellite data, 21:13444
LUND, E. Neutron-rich nuclides obtained using OSIRIS facility, 25:28340 (CERN-70-30(Vol.2), pp 1093-1103)
Q-values of some nuclides on the neutron-rich side of stability, 25:28296 (CERN-70-30(Vol.1), pp 341-51)
LUND, Ebba Survival of HeLa cells after large doses of x-radiation, 21:20078
LUND, J. A. Substructure strengthening in dispersion-strengthened nickel alloys, 25:55492
LUND, J. O. Plasma renin measured by radioimmunoassay for angiotensin, 25:18920
LUND, John A. Preparation of thoria dispersion hardened iron, 24:30030
LUND, L. M. Flow and self-diffusion of gases in capillaries. III, 22:35730 (K-1739)
LUND, N. Instrument for determining chemical composition of primary cosmic radiation, 24:29524
Isotopic composition of primary cosmic ray nuclei, 24:35223
LUND, R. E. Production and loss of N_2^+ ions in the N afterglow, 23:10675
Studies of the nitrogen afterglow. I, 22:19980
LUND, Roger Edward Afterglow studies in nitrogen, 22:31827
LUND, W. Status of Yale PEPR system, 25:6561 (MIT-2098-660, pp 9-26)
LUND, Walter Stability constants of the Mo(VI) complexes of DTPA and TTHA, 25:28920
LUNDAHL, L. Search for OH 18-cm emission in the Cepheus IV association, 25:9015
LUNDAN, A. Decay of ^{134}I, 23:4038
Decay of ^{136}I isomers to energy levels of ^{136}Xe, 25:23034
Decay of bromine isotopes ^{86}Br and ^{87}Br, 24:43204
Gamma transitions in ^{63}Cu, 21:7731
Production and fast separation of gaseous fission products, 24:30822
Short-lived isomer/sup 194m/Ir, 22:5835
LUNDBAK, Asger Solar x rays and related phenomena, 23:5162
LUNDBAK, Asger N. Prog. rpt. on ionospheric research using satellites, 9/66—8/67, 22:52618 (AD-663753)
LUNDBERG, A. W. Environmental control for nuclear explosives, 24:41515 (CONF-700101-(Vol.2), pp 938-63)
Plowshare streamlined operational system, 23:45433 (UCRL-50658)
LUNDBERG, B. Elastic scattering of 14.8-MeV neutrons from ^{14}N and ^{16}O, 22:18141
Fast neutron capture gamma-ray spectra in Rb, Sr, Y, Zr, and Nb, 21:33924
Gamma rays from inelastic neutron scattering in oxygen, 25:45944
Gamma rays from neutron resonance capture in Mg, Si, P, and S, 24:47619
Gamma rays from neutron resonance capture in Mg, Si, P, and S, 25:46015
Gamma-ray spectra from (d,pγ) reactions in ^{58} ^{60}Ni and ^{63} ^{65}Cu, 23:7270
High-energy gamma-ray transitions from MeV neutron capture in ^{206}Pb, 24:47608
Neutron capture cross sections in F, Mg, Al, Si, P, and S from 20 to 80 keV, 25:5603 (FOA-4-4440)
Neutron capture in ^{206}Pb, 24:52586
Radiative capture in Ni and Bi of the neutrons in the MeV region, 23:1863
LUNDBERG, Bo Radiolysis of 4-thiouracil and 4-thiouracil moieties of 4-thiouridine and ribonucleic acid from E. coli, 22:33460
LUNDBERG, Boerje Experimental studies of gamma rays from neutron reactions, 25:31332
LUNDBERG, L. E. Relativistic quantum mechanics of two interacting particles, 24:37892
LUNDBERG, L.-E. Bremsstrahlung in coulomb field, 25:14613
Validity of special relativity at small distances and the velocity dependence of the charged-pion lifetime, 22:35084
LUNDBERG, Monica Crystal structure of $MgNb_{14}O_{35}F_2$, 24:32506
LUNDBERG, O. R. Hydrophysical studies of Pacific and Atlantic Oceans during around-the-world expedition of "Mikhail Lomonosov", 22:36261
LUNDBERG, Raymond E. Behavior of small spheres during reentry, 21:32312 (SC-CR-67-2635)
LUNDBLAD, Gerald T. Neurospora glycogen phosphorylase, 24:14384
LUNDBY, A. Antiproton—proton elastic scattering at 3.55 GeV/c, 23:42553
Backward Kp elastic scattering at 3.55 GeV/c, 21:18920
Backward πp elastic scattering at 2.85 and 3.30 GeV/c, 21:44285
Backward rho$^+$ production in π^+p reactions at 5.2 GeV/c, 25:9665
Baryon exchange in πp backward scattering below 3 GeV/c, 23:8746
Elastic backward scattering of pions and kaons, 23:23363
K^{+-}-p elastic scattering, 23:23372
K^+p and K^-p backward scattering in energy region from 1.0 to 2.5 GeV/c, 23:3642 (UR-875-254)
K^-p backward scattering from 1 to 2.5 GeV/c, 23:51863
K^+p backward scattering in the region from 1.0 to 2.5 GeV/c, 22:52947
Measurement of π/sup +-/p backward scattering between 1.54 and 2.04 GeV/c, 21:25235 (BNL-11359)
$Pi^{+-}p$ backward scattering between 1.5 and 3.0 GeV/c, 22:20152
Structures in k^{+-}—nucleon total cross sections between 0.9 and 2.4 GeV/c, 24:37655
Wire spark chamber with ferrite core read-out, 24:9694
LUNDBY, Arne $K^{+-}p$ backward elastic scattering from 1 to 7 GeV/c, 24:24248
LUNDBY, J. E. Treatment and disposal of wastes at the Institute for Atomic Energy, Norway, 25:21115
LUNDE, B. K. Asymmetric Knight shift and quadrupole effects in NMR of $ScMn_2$, 24:12910
LUNDE, Barbara Kegerreis Nuclear magnetic resonance hyperfine fields in hexagonal laves phase compounds $ScMn_2$, $ErMn_2$, and $TmMn_2$, 24:40193 (IS-T-369)
LUNDE, G. Gamma radiolysis of acid solutions of tellurium, 21:5958
LUNDE, Gulbrand Activation analysis of Br, I and As in oils from fishes, whales, phyto- and zooplankton of marine and limnetic biotopes, 22:14444
Analysis of arsenic in marine oils by neutron activation, 22:45003
Analysis of impurities in Si single crystal by neutron activation, 24:22610
Analysis of single crystal silicon slices by neutron activation, 22:37703
Improvement of wood by plastic impregnation, 25:2238
Radiolysis of thiophenol and its mixtures with benzene and benzene-d_6, 21:15943
LUNDE, J. E. Advances in control and supervision of power reactor plants, 25:53893 (A/CONF.49/P-294)
Burn-up experiments with the HBWR second fuel charge, 23:17165 (HPR-86)
Burn-up physics work with the Halden heavy boiling-water reactor, 22:22738
Computer control developments, 25:5974
Computer control of the HBWR, 22:16177
Computer control of the HBWR, 22:48713
In-pile and out-of-pile hydrodynamic studies on natural circulation boiling water channels, 22:20815 (HPR-82)
OECD Halden Reactor Project, 25:5946
Physics and dynamics of BHWRs based on experience with Halden Boiling Water Reactor, 22:30257
LUNDE, Jan E. Measurements in the Halden Heavy Water Boiling Reactor, 21:27770
LUNDE, K. Properties and manufacture of Zircaloy cladding tubes, 25:52301 (A/CONF.49/P-291)
LUNDE, Knut Post irradiation examination of the burn-out assembly ifa-38, 22:37442 (HPR-98)
LUNDE, L. Mild steel in the primary circuit of water cooled reactors, 25:52293 (A/CONF.49/P-296)
Properties and manufacture of Zircaloy cladding tubes, 25:52301 (A/CONF.49/P-291)
LUNDE, Liv Influence of neutron irradiation on corrosion of Zircaloy-2 at 240°C, 25:49485 (CONF-710520-4)
LUNDE, Marvin C. Forming of containers for molten nickel and beryllium at high temperatures and vacuum, 22:28888 (RFP-882)
LUNDE, P. K. M. Determination of blood flow in rabbit femur by radioactive microspheres, 25:26577
LUNDELL, Bertil Sodium-cooled breeder reactors, 23:31145
LUNDEN, Arnold Electromigration in molten and solid binary sulfate mixtures: relative cation mobilities and transport numbers, 21:14222
Iosotpe effect for electromigration of potassium ions in molten potassium nitrate, 23:7602
Isotope effect for electromigration of Li ions in molten $LiNO_3$, 23:47444
Isotope effect of thermal diffusion in some pure molten salts, 24:39028
Isotope effects of electromigration in molten Li—K sulfate mixtures, 23:4609
Isotopic effect on the melting point of lithium nitrate, 24:38847
Thermal diffusion in sulfate mixtures, 24:7491
LUNDERGAN, C. D. CONVIP: program linking SWAP-9 to WONDY-3, 24:16388 (SC-DR-69-840)
LUNDGAARD, T. Sulphating roasting: a way to solubilize uranium in refractory minerals, 25:23672
Uranium from leaching liquors by precipitation, 22:18868 (RISO-166)
LUNDGAARD, Th. Selective flotation of steenstrupine and monazite from Kvanefjeld lujavrite, 21:12500 (RISO-133)
LUNDGREN, D. L. Effect of the inhalation of ^{144}Ce in relatively insoluble forms on influenza virus infection in mice, 25:29724 (LF-43, pp 254-62)
Toxicity of inhaled $^{137}CsCl$ in beagle dog, 24:34624 (LF-41, pp 36-45)
Toxicity of inhaled ^{90}Y fused clay in beagle dogs. II, 25:29434 (LF-43, pp 146-62)
Viruses isolated from beagle dogs exposed to aerosols of ^{90}Sr and ^{144}Ce, 22:19236 (LF-36)
LUNDGREN, Donald G. Prog. rpt. on fine structure, biochemistry, and control of bacterial sporogenesis, annual, 1/1/70—12/31/70, 25:2010 (NYO-2038-7)
Prog. rpt. on production and study of asporogenic mutants, annual, 1967, 21:47024 (NYO-2038-4)
LUNDGREN, F. A. Photon activation target assembly for the NBS linear electron accelerator, 21:37971
Use of dual sample-biaxial rotating assembly with pneumatic tube transfer system for high precision 14-MeV neutron activation analysis, 22:22981
LUNDGREN, G. Interaction between allogeneic cells of human origin, 24:820
LUNDGREN, Goeran Neutron absorption in some materials used in reactor design, 23:23613
Study of energy dependence of ^{232}Th capture cross section in energy region 0.1 to 3.4 eV, 22:35343
LUNDGREN, Ove Studies on blood flow distribution and countercurrent exchange in the small intestine, 22:43243
LUNDGREN, P. R. Incorporation of ^{14}C in cerebral glycogen of normal and x-irradiated rats, 25:4453
LUNDGREN, Paul R. Effects of roentgen radiation on glycogen metabolism of the rat brain, 21:6705
LUNDGREN, Thomas Magnetohydrodynamic flow in a rectangular duct with perfectly conducting electrodes, 21:23058
LUNDH, Arne Radiation damage to roentgen films, 23:24231
LUNDIN, A. G. Anomalous temperature dependence of spin density in PrF_3 single crystals, 22:46231
NMR and nature of phase transitions in solid MoF_6 and WF_6, 23:6104
LUNDIN, C. D. Distribution and effects of gas porosity in welds in CVD tungsten, 24:48845
Effect of iron on the hot cracking of uranium weld metal. Part I, 25:11427
LUNDIN, C. E. Age-hardening characteristics of Nb-base Zr alloys, 21:45957
Holmium—hydrogen system, 22:11080
Prog. rpt. on structure of intrarare-earth binary systems, final, 4/30/66, 21:9184 (AD-633558)
Samarium—gadolinium system, 22:23811 (CONF-670502-, pp 458-68)
Study of the samarium-type structure in binary intra rare earth alloys, 25:32732
Yttrium—samarium system, 23:8153 (CONF-681020-(Vol.1), pp 175-86)
LUNDIN, Carl D. Scanning electron microscopy of fractures in welded structures, 25:58215 (Y-DA-4280)
Welding defects, their origin and effect, 25:42867
LUNDIN, Charles E. Erbium—hydrogen system, 22:31373
Prog. rpt. on alloying behavior of rare earths and related metals, final, 9/67, 22:10924 (DRI-2437)
Thermodynamics of the erbium—deuterium system, 22:36478
LUNDIN, Frank Exposure experiences in uranium mining, 23:24647
LUNDIN, Frank E. Jr. Cancer mortality among a group of underground metal miners, 21:14735
Mortality of U miners in relation to radiation exposure, hard-rock mining, and cigarette smoking, 23:26916
Radiogenic lung cancer in man, 23:5045
LUNDIN, L. Lifetimes of some doubly excited levels in neutral helium, 25:30265
Mean lives of excited terms in Be I, Be II, B I, B II, C II, and C III, 23:22928
Mean lives of some excited levels in He I, 24:17647
LUNDIN, M. I. Design and metallurgical aspects of the Army Pulsed Radiation Facility Reactor, 22:6107
Design of the army pulse radiation facility reactor, 24:11237 (CONF-690102-, pp 139-59)
Evaluation of U—10 percent Mo alloy and consideration of alternate alloy for pulse reactor cores, 22:32979
LUNDKVIST, U. Solid-phase radioimmunoassay of insulin, 24:50976

- LUNDQUIST, D. Eta photoproduction in the region from threshold to 940 MeV, 21:9693
  - Polarization in K^+p elastic scattering and phase-shift analysis, 23:36843
- LUNDQUIST, D. E. Measurements of the polarization of protons from deuteron photodisintegration, 22:15661
  - Pion production from Be at 3° by 12.3-GeV/c protons, 25:22683
  - Polarization of recoil protons from neutral pion photoproduction, 22:26549
  - Quasi-elastic neutrino scattering, 24:15457 (CERN-69-28, pp 111-24)
  - Quasielastic neutrino scattering, 23:25515
- LUNDQUIST, David Eugene Polarization of recoil protons from neutral pion photoproduction, 22:39238
- LUNDQUIST, J. R. Nickel plating uranium: review of laboratory studies, 21:26752 (BNWL-SA-1030)
  - Pulsed current electroplating, 25:4741 (BNWL-CC-491)
- LUNDQUIST, Jerry R. Method of preparing uranium for nickel plating, 21:3479
- LUNDQUIST, Stig Hydromagnetic viscous flow generated by a diverging electric current, 24:15186
- LUNDQVIST, B. I. Effects of electron—electron interaction on the one-electron properties of atoms and solids, 23:41992
  - Single-particle spectrum of degenerate electron gas. I, 22:1004
  - Single-particle spectrum of degenerate electron gas. II, 22:1003
- LUNDQVIST, Bengt I. Spectra of interacting electrons in metals, 23:48984 (NP-18018)
- LUNDQVIST, R. Aqueous radiation chemistry of nitrogen and hot-atom chemistry of ^{13}N and ^{16}N, 22:27768
- LUNDQVIST, S. Effects of electron—electron interaction on the one-electron properties of atoms and solids, 23:41992
- LUNDQVIST, Stig Atomic photoabsorption cross sections, 21:11420
  - Collective effects in the photoabsorption cross sections of atoms and molecules, 21:26995
  - Conference on tunneling phenomena in solids, Risoe, Denmark, 7/67, 23:44546
- LUNDQVIST, U. Induction of eceriferum mutants in barley by ionizing radiations and chemical mutagens. II, 22:51548
- LUNDQVIST, Udda Mutagen specificities of 44 eceriferum loci in barley, 24:21144
  - Mutations in barley pollen by uv and x rays, 21:24378
  - Yield analysis after repeated mutagenic treatment and selection in barley, 24:21139
  - Yield reactions and rates of origin of chromosome rearrangements and gene mutations in barley, 22:51502
- LUNDSGAARD-HANSEN, P. Effect of dextran and gelatin during postirradiation thrombocytopenia in dogs, 24:34423
  - Influence of dextran and gelatin on irradiated, thrombocytopenic dogs, 23:26829
- LUNDSTROEM, T. Solution hardening of β-rhombohedral boron, 25:2801
- LUNDSTROEM, Torsten Crystal chemistry of borides, boro-carbides, and silicides of the transition metals, 23:6757
  - Preparation and crystal chemistry of some refractory borides and phosphides, 24:4268
  - Structure of Ru_7B_3 and WB_2 as determined by single-crystal diffractometry, 23:22688
- LUNDY, R. A. Construction and operation of the Argonne pion focusing horn, 21:30079
  - Cross section and polarization in $\pi^+ + p \rightarrow K^+ + \Sigma^+$ from 3 to 7 GeV/c, 23:36846
  - Differential cross section of $\pi^+ + p \rightarrow K^+ + Y^*(1385)$ at 4.0 and 5.05 GeV/c, 24:1524
  - Interpretation of 2- to 5-GeV/c $\pi^-p \rightarrow \pi^0n$ polarization data by use of interference model, 22:15801
  - Measurement of polarization in $\pi^-p \rightarrow \pi^0n$ and $\pi^-p \rightarrow$ etan, 22:13667
  - Search for quarks in cosmic rays, 21:2367
  - Structure in 5-GeV/c π^+p elastic scattering at large angles, 24:32967
  - Zero-degree production of high-momentum π^+ mesons by π^- mesons incident on nuclei, 22:13666
- LUNDY, T. S. Cation self-diffusion in UN/sub 1 + x/, 25:16589
  - Cation self-diffusion in UO_2, 23:8223
  - Diffusion in solids, 21:13155 (ORNL-3970, pp 18-20)
  - Diffusion in solids, 22:8728 (ORNL-4170, pp 15-18)
  - Diffusion in solids, 23:8159 (ORNL-4370, pp 13-15)
  - Diffusion in solids, 24:3002 (ORNL-4470, pp 12-13)
  - Diffusion of ^{233}U in UO_2, 23:48533
  - Diffusion of Ti in modified Hastelloy N, 23:36110
  - Effects of short-circuiting paths on diffusion coefficient measurements, 23:18231
  - ORNL work on diffusion in beta Zr, V, Nb, and Ta, 21:24776
  - Tracer diffusion in tungsten, 23:36127
  - Use of electrochemical sectioning in the study of diffusion in tungsten, 22:19542
- LUNELL, Sten Spin degeneracy and stability of Hartree—Fock states, 23:32193
  - Spin-projected Hartree—Fock calculations on the He-like ions using general spin orbitals, 24:17645
- LUNELLI, Bruno Polarized infrared spectra of TCNQ and TCNQ-d_4 single crystals, 24:27077
- LUNELLI, Massimiliano Iterative—variational methods for numerical solution to elliptical problems in reactor theory, 22:50863
- LUNENFELD, B. Iodine isotopic composition on hormone labeling, 24:29679
- LUNER, C. Solubility of carbon in sodium, 22:13072
- LUNER, Charles Carbon transport in liquid sodium, 23:46040 (ANL-7520(Pt.1), pp 455-9)
- LUNETTA, M. Radioimmunologic determination of anti-insulin antibodies, 23:2783
- LUNEV, V. M. Vacuum system of the stellarator Sirius, 23:12757
- LUNG, M. Basic criteria used in construction of Eurochemic plant at Mol, 22:6424
  - Characteristics of units for dissolutions and concentration of fission products, 22:6425
- LUNGREN, Goeran Neutron absorption in some materials used in reactor design, 22:42428
- LUNGU, A. Contributions to the exploration of uranium deposits, 22:2252
  - New method for establishing radioactive ore-body limits based on radioactivity measurements, 23:2430
  - Radiometric testing of U deposits, 24:20905
- LUNGU, A. M. Critical magnetic scattering of neutrons in cobalt, 22:1569
  - Critical scattering of thermal neutrons in some ferromagnetic metals, 22:24816
  - Fisher's correlation function in iron, 22:22251
  - Small-angle critical magnetic scattering of neutrons in iron, 21:11925 (IFA-FN-28)
  - Small-angle critical magnetic scattering of neutrons in iron, 22:13918
- LUNGU, Nicolae Photometric elements of short-period cepheid WZ Bootis, 25:30104
- LUNGU, S. Activation energy for annealing in neutron-damaged silica glass, 23:42436
  - Capsule for length change recording during irradiation of fissionable samples, 24:11889
  - Dimensional changes in UO_2—SiO_2 vitroceramics during irradiation, 25:785
  - Evaluation of specific power for glassy ceramic fuel elements, 22:46899 (IFA-TR-55)
  - High-burnup behavior of UO_2—SiO_2 vitroceramics, 24:41070
  - Irradiation behaviour of vitroceramic nuclear fuel, 25:52466 (A/CONF.49/P-339)
  - Point defects in neutron-damaged silica glass, 21:46426
  - Radiation-induced volume changes and annealing in SiO_2—UO_2 vitro ceramics, 22:17155
  - Some properties of UO_2—SiO_2 melts, 24:42241
  - Vitroceramic nuclear fuel for gas-cooled heavy-water reactors, 22:30262
- LUNGU, Sterian Vitroceramic nuclear fuel, 23:48580
- LUNINA, L. I. Reliability of the evaporating channels of Beloyarsk power plant type reactors, 25:10106
  - Starting methods and experience in operation of uranium—graphite channel type reactors with tubular fuel elements and nuclear superheating of steam, 25:34227 (JPRS-53069, pp 83-95)
- LUNKE, C. Kinematically complete experiment on reaction $n + d \rightarrow n + n + p$, 25:12367
- LUN'KIN, S. P. Action of gamma radiation on aluminocalcium glasses activated by rare earth and transition metals, 24:19008
- LUNKINA, Z. P. Radium and uranium content in food, 21:43378
- LUNN, A. D. Gravitational instability of a rotating magnetoplasma in the guiding-centre approximation, 25:49915
  - Resistive instability in a uniformly rotating magnetoplasma, 25:56203
- LUNN, J. A. Three radioisotope methods for measuring Fe absorption, 22:10695
- LUNNEY, A. J. Comparison tests for extinguishing media on metal fires, 25:42837 (AERE-R-6745)
- LUNNING, W. H. DMTR: survey of progress, 22:3906
- LUNSFORD, Jack H. Electron paramagnetic resonance study of Y-type zeolites. I, 24:20810
  - Electron paramagnetic resonance study of Y-type zeolites. III. O_2^- on AlHY, ScY, and LaY zeolites, 25:31952
  - Presence of Al at adsorption sites on decationated zeolites, 23:35247
- LUNT, O. R. Cs, K, Sr, and Ca transport in two different plant species, 23:41192
  - Radial transport of calcium in corn roots, 25:18319 (UCLA-12-811)
- LUNTZ, Myron Stopping power and luminescent-response calculation for channeling in NaI(Tl) and CsI(Tl), 23:7762
  - Theory of anisotropy in radioluminescence, 23:26522
  - Track-effect theory of scintillation efficiency, 25:55016
- LUO, H. L. Decrease of magnetization of itinerant electrons by spin—orbit scattering on impurities, 23:27712
  - High-pressure superconducting polymorph of cadmium tin diarsenide, 23:39422
  - High-pressure superconducting polymorph of cadmium germanium diarsenide, 24:10466
  - Occurrence of A15 phases, 24:10470
  - Superconducting transitions in body-centered-cubic thallium—indium alloys, 21:15075
  - Superconductivity and lattice parameters in face-centered cubic Pt—W and Pd—W solid solutions, 22:36496
  - Superconductivity in noble-metal-rich hexagonal close-packed phases, 25:56096
  - Superconductivity in the alloy system indium—thallium, 21:15074
  - Superconductivity of lanthanum and lanthanum compounds at zero and high pressure, 21:33294
  - Superconductivity of $Nb_3(Al,Ge)$ above 20.5°K, 23:1351
  - Superconductivity of phase $CeCo_2$ at zero and high pressure, 22:50096
  - Superconductivity of Re—Os, Re—Ru, Ru—Os, and Re—W hcp alloy systems and slightly doped Re, 25:30433
  - Temperature-dependence in the susceptibility of Al_3V, 23:27697
- LUO, H.-L. New A-15 phases, 21:24757
- LUO, Hann-hua Surface barrier type solid state detector, 23:47742
- LUO, Huey-Lin Prog. rpt. on new materials by low-temperature condensation, 2/15/69, 23:36031 (UCSD-34-P-162-11)
- LUOMA, J. PLATR Boiling Water Reactor criticals, 22:44839 (UNC-5195)
- LUOMA, J. D. Nuclear analysis of the LaCrosse BWR, 24:33182
- LUOMA, J. R. Inversion of velocity-averaged differential-cross-section data to an intermolecular potential, 21:9322
- LUOMA, John David Analytical study of thermal neutron spectra in two-dimensional homogeneous reactor cells, 22:29853
- LUOMA, John Robert Vincent Intermolecular potential and thermal elastic scattering, 21:41824
- LUOMA, W. L. Prog. rpt. on emissivity of materials, semiannual, 5—11/66, 21:13262 (PWA-2979)
- LUOMANEN, R. K. Interstitial irradiation of apical lung cancer, 25:46931
- LUONGO, G. Comparison between gamma spectra of fallout and rainout in Naples from Chinese nuclear tests, 24:14089
  - Radioactivity of volcanic samples, 24:22783
- LUONGO, J. P. Absorption spectroscopy of irradiated poly(vinyl)chloride, 24:44039
  - Infrared spectra of irradiated poly-3-methyl-butene-1, 21:23939
  - Irradiation of PVC, 23:35195
  - Products of paraffin radiolysis, 23:31370
  - Radiolysis of poly(vinyl chloride), 24:11633
- LUONG-THI-NGOC-SUONG Immediate toxicity of beryllium salts, 21:10810
- LUOPA, J. A. Direct digital control of a nuclear power reactor, 24:40728
- LUPAKOV, I. S. Corrosion and electrochemical behavior of carbon steels, 24:12371
  - Corrosion of Zr and its alloys, 25:42811
  - Effect of cold work on corrosion resistance of 2.5 percent niobium-bearing zirconium alloy, 22:36431 (JPRS-45460)
  - Effect of cold working, duration, and temperature of annealing on Zr—2.5 percent Nb alloy thermal expansion, 23:27064
  - Thermal expansion of a Zr alloy with 2.5 percent Nb, 24:14765
- LUPANDIN, O. S. Mean number of secondary neutrons evaporated from nuclei bombarded by high energy protons, 22:20127
  - Neutron yields and thermal neutron fluxes in system Pb—water, bombarded by high energy protons, 23:21233
- LUPANOV, G. A. Generation of electromagnetic waves by jet flows in plasma, 24:51741
  - Oscillations of a singular sphere, 22:43714
  - Reflection of electromagnetic waves in a moving plasma, 25:49953
- LUPAS, N. Physical phenomena in magnetohydrodynamic generators, 24:35242
- LUPAS, V. New contributions to the study of sunflower treatment, 23:9922
- LUPASHINA, I. S. Compiler realizing FORTRAN language for Minsk-22, 23:21594 (IFVE-SVM-68-30-K)
- LUPEI, A. Spin-Hamiltonian description of ESR spectra of ^4S/sub 5/2/ ions in trigonal crystalline fields, 22:3165 (IFA-IS-47)
- LUPEI, V. Electron spin resonance studies of irradiated semiconductors, 21:44205
  - Spin-Hamiltonian description of ESR spectra of ^4S/sub 5/2/ ions in trigonal crystalline fields, 22:3165 (IFA-IS-47)
- LUPES, Mircea E. Mechanism of the benzoin condensation, 25:26220
- LUPESCU, H. Technique for the determination of binucleated lymphocytes in persons exposed to low x-ray doses, 23:10099
- LUPI, R. F. Inhomogeneous deformation effect in Zircaloy-4 rolled plate, 22:21693 (KAPL-P-3406)
- LUPICA, L. A. Compensated ionization chamber for NERVA reactor, 22:12679 (ANL-7380, pp 161-3)
- LUPICA, S. B. Neutron activation analysis of brain, 24:118
  - Polyethoxylated nonionic surfactants in toluene for liquid scintillation counting of tritium in aqueous samples, 24:48286
  - Sodium removal in neutron activated brain, 23:35583 (ORAU-107, pp 245-8)
- LUPINSKI, J. H. Tetracyanoquinodimethane derivatives of cyanine dyes: a model for organic superconductors, 22:36866
- LUPO, Henri Crimping tool, 22:27983
- LUPO, M. Chromosome modifications of human lymphocytes after stress, 22:33955
  - X ray diagnosis in oncology, 24:12174
- LUPOLI, P. Behavior of irradiated thermocouples, 21:24278 (RT/ING-(66)14)
  - Parametric experimental inquiry on "fretting corrosion" in metals, 25:22014 (RT/ING-(70)14)
  - Prog. rpt. on volumetric fraction measurement of vapor, 9/65, 21:17778 (RT/ING-(66)12)
  - Prog. rpt. on volumetric fraction measurement of vapor, 6/65, 21:17777 (RT/ING-(66)11)
  - Void fraction measurement by the gamma-ray attenuation technique. II, 22:23238
  - Volumetric fraction measurement of vapor by γ or x-ray attenuation method, 21:28286 (RT/ING-(66)10)
- LUPOLI, Paolo Void fraction in an annular channel at atmospheric pressure, 23:38167
  - Void fraction in an annular channel at atmospheric pressure, 24:16776
- LUPOVITCH, Aaron "Pulseless disease" complicating Hodgkin's disease, 21:26597
- LUPPARELLI, V. Preparation of particles of uranium carbide by the sol-gel method, 23:12394 (ORNL-tr-1782)
  - Sol—gel processes for production of ceramic fuels, 23:3128
- LUPPI, R. Explosive megagauss generators for application in experimental physics, 22:21259
  - Merits and limitations of explosively driven current generators in fusion research, 25:30562 (EUR-4593, pp 205-17)
- LUPSAN, V. Radioactivity of honey, 22:15011
  - Radioactivity of honey, 25:8665

LUPTON, D. F. M. Experiment to measure diffusion coefficients describing the rate of escape of fission products from U-graphite fuel. II, 22:37525 (AERE-R-3912)
  Experimental in-pile loop to measure the rate of escape of fission products from uranium—graphite fuel, 21:14067 (AERE-R-3913)
  Post-irradiation radiochemical analytical studies on Dragon loops, 24:40982 (DP-Report-136)
LUPTON, W. H. Clamp system for Pharos 2-MJ capacitor bank, 21:15086 (NRL-6422)
  One hundred kV pressurized trigatron switch, 24:24049 (LA-4250, pp DI.3.1-4)
LUPU, Andrei N. Radioisotope renogram in renal arterial hypertension, 22:51847
LUPU, G. Stress tensor for a relativistic plasma in a high-frequency electromagnetic field, 24:19892
LUPU, Gh. Integral equation for the total charge density for a relativistic plasma, 25:30538
  Semigroup method approach to neutron transport theory, 23:37069
  Solving Boltzmann's equation for plasma in electric and magnetic fields. I, 24:15326
  Solving Boltzmann's equation for plasma in electric and magnetic fields. II, 24:15327
LUPU, Gheorghe Boltzmann equation for a relativistic plasma, 24:32839
  Boltzmann equation for fully ionized plasma in oscillatory electric field and steady magnetic field. III, 25:22527
  Correlationless relativistic plasma with time-dependent background state, 25:47531
  Distribution function of neutrons in slowing-down process in any geometry, 23:42840
  Solution of Boltzmann equation for fully ionized plasma in oscillatory electric field and magnetic steady field. IV, 25:19691
  Solution of Boltzmann equation for fully ionized plasma in oscillatory electric fluid and magnetic steady field. III, 25:19692
  Stress (energy—momentum) tensor for a relativistic plasma, 25:47532
LUPU, I. Action of a thymic extract of radiation disease in splenectomized rats, 22:33844
LUPULESCO, A. Radioautographic study by electron microscopy of ^{131}I in the thyroid of the rat, 21:12766
LUPULESCU, A. Electron microscopic autoradiography of ^{131}I in thyroid, 21:8707
LUQUE CABRERA, J. Zinc-65 as source of internal irradiation, 23:31639 (CONF-670649-6)
LUQUIRE, J. W. Computer programs for some eddy current problems, 23:40960 (ORNL-TM-2501)
  Computer programs for some eddy-current problems, 1970, 25:37212 (ORNL-TM-3295)
  Eddy-current problems and their integral solutions, 23:24407 (ORNL-4384)
LURA, A. Protection against ionizing radiation, 24:17079
LURCAT, F. Application of mathematics to problems in theoretical physics, 22:9684
LURCAT, Francois Strongly decaying particles and relativistic invariance, 22:50367
LUR'E, A. I. Calculation of the dose distribution in heterogeneous media, 21:20199
  Distribution calculation of absorbed gamma-radiation doses in tissular surface layers, 21:28450
  Methods for calculating dose fields, 23:31788
LUR'E, B. G. Calcium stannate: source for Moessbauer measurements, 23:25445
  Diffusion of labeled atoms and conductivity in ionic crystals, 22:24486
  Moessbauer spectrum of ^{237}Np after α decay of ^{241}Am in Th lattice, 23:5459
  Reactor-irradiated tin compounds studied by the nuclear gamma resonance method, 23:20993
LURE, E. Ya. Levels of the ^{150}Sm nucleus excited in thermal neutron capture, 22:30011
LUR'E, K. A. Optimal distribution of tensor of specific resistance of working substance in MHD duct, 25:58845
  Optimum distribution of specific resistance tensors of working substances in MHD channels, 25:2933
  Optimum magnetic field distribution along the channel of an MHD generator, 25:43190
LURE, L. S. Effectiveness of irradiation of potato tubers before planting, 21:11113
  Gamma-ray irradiation equipment, 25:54837
  Prospects of application of radiation sterilization in veterinary medicine, 23:10151
  Radiosensitivity of tubers as a function of their physiological condition, 24:25607
  Role of dose rate in preplanting γ-irradiation of potatoes, 23:5050
  Use of ionizing radiations to preserve silage, 24:44643
LUR'E, T. L. Competitive capacity of Drosophila individuals heterozygous for x-ray induced mutations, 25:57966
LUR'E-POKROVSKAYA, T. A. Morphological changes of carcinoma following irradiation, 23:48241
LURIA, S. E. Transduction studies on uv induction of prophage lambda, 21:34823
LURIA, S. M. Average age at death of scientists in various specialties, 24:4636
LURIA, Sidney B. Carcinoma of male breast following radiation, 23:4986
LURIE, Alan Effects of x radiation on the mitotic index, 24:32214
LURIE, D. Chiral symmetry and the Goldstone theorem, 24:26494
  Electromagnetic interaction of quasi particles in superconductors, 25:17077
  Functional integrals for many-boson systems, 22:52698
  Gauge fields and Goldstone bosons in Nambu model, 24:52194
  Operator densities, physical fields, and dynamical rearrangement of symmetry, 24:49586
  Sugawara model and Goldstone bosons, 24:37866
  Superconductive Zitterbewegung, 25:1099
  Topics in bound state theory, 23:16991
  Zitterbewegung of quasi particles in superconductors, 25:17075
LURIE, David Particles and fields, 23:1678
LURIE, H. Boiling sodium heat transfer, 21:5702 (NAA-SR-Memo-11860)
  Prog. rpt. on radioisotope propulsion technology program, final, 10/65—3/67, 21:43207 (STL-517-0049(Vol.1))
  Reentry protection for radioisotope heat sources, 24:31624
  Reentry protection for radioisotope heat sources, 25:37550
  Two-region problem in time-dependent monoenergetic neutron transport theory. I, 21:25402
  Two-region problem in time-dependent monoenergetic neutron transport theory. II, 21:25401
LURIE, Henry Design and test of a SNAPOODLE thermoelectric generator, 21:41154
LURIE, Joan B. Effect of neighboring identical atoms on radiative lifetime, 23:25157
LURIE, L. S. Gamma-irradiation apparatus for treatment of root- and tuber- crops, 25:29253
LURIE, N. A. Inelastic neutron scattering by gaseous O_2, 22:44584
  Sum rule for interference scattering from a rigid rotor, 24:38070
LURIE, Norman A. Influence of rotational levels on slow-neutron scattering by linear gases, 21:9916
LURIE, Norman Alan Slow-neutron scattering by molecular gases, 24:47556
LURIE, R. Experimental study of emission of fission products due to cladding failures produced during rapid loss of gaseous coolant, 25:31608
  Tests on nuclear fuel safety carried out on Pegase reactor, 25:54182 (A/CONF.49/P-580)
LURIO, Allen Hyperfine structure and g/sub J/ value of ^{2}D/sub 3/2/ and of ^{4}F/sub 9/2/ states of ^{197}Au, 21:39825
  Hyperfine structure and g/sub J/ value of the ^{4}F/sub $^9/_2$/ and ^{4}P/sub $^5/_2$/ levels of ^{63}Cu and ^{65}Cu, 23:32916
  Hyperfine structure and lifetimes of the 4^2P/sub 3/2/ and 5^2P/sub 3/2/ states of ^{39}K, 22:41364
  Isotope shift in 2^1S_0—2^1P_1 line of He, 23:22934
  Isotope shift in the (2^1S_0—2^1P_1) line of atomic He, 25:11696
  Lifetime of the 2^1P_1 and 3^1P_1 states of atomic He, 25:11695
LURIYA, E. A. Regeneration of irradiated lymph nodes in transplantation, 23:35875
LUSANANDANA, Bhakdi Induction of mutations in Thai rice varieties, 24:41810
LUSANNA, L. Inclusive experiments and high-energy models, 25:36478
  Phase representation for form factors, 24:12959
  Remarks on inclusive experiments and high energy models, 25:59322 (NP-19024)
LUSCAL, N. Thermal conductivity of UO_2—SiO_2 ceramics at 100 to 400°K, 21:36918
LUSCHER, E. F. Protective action of platelet extracts on the hemostatic damage due to radiation, 22:33869
LUSCHIKOV, V. I. Polarized proton target as the neutron polarizer, 23:42790 (JINR-P3-4409)
LUSE, R. A. Mass screening for specific amino acids, 25:24006
  Preservation of tropical foodstuffs by irradiation, 23:5060 (CONF-680713-1)
  Preservation of tropical foodstuffs by irradiation, 24:12344
  Radiation preservation of tropical foodstuffs, 23:18160 (CONF-681006-, pp 117-21)
LUSE, Robert A. Prog. rpt. on resonance in radiation effects, 1/63, 22:30933 (PRNC-12)
  Prog. rpt. on resonance in radiation effects, 6/65, 22:47448 (PRNC-69)
LUSEBRINK, T. R. Computer facilities for the laboratory, 23:29262
LUSH, G. J. Measurement of the differential cross section in p—p scattering at 49.41 MeV, 21:27519
  Scattering of 135-MeV protons by deuterons, 21:4194
LUSHBAUGH, C. C. Absence of sodium loss after massive total-body neutron exposure of rats, 21:45782 (ORAU-101, pp 34-6)
  Accurate whole-body quantitation of ^{131}I retention by counting a scatter window, 24:44510
  Biological end points of dosimetric value, 22:8517 (CONF-670305-, pp 94-113)
  Cesium-137 and K in normal subjects, 21:45618 (ORAU-101, pp 117-19)
  Clinical evidence of dose-rate effects in total-body irradiation in man, 22:49378 (CONF-680410-, pp 17.1-25)
  Clinical studies of radiation effects in man, 22:12933
  Conference on compartments, pools, and spaces in medical physiology, ORAU, Oak Ridge, Tenn., 10/66, 22:6832 (CONF-661010)
  Correction of whole-body counting retention studies with radioisotope tracers, 21:45672 (ORAU-101, pp 166-8)
  Dosimetry for the whole-body irradiator, 23:35727 (ORAU-107, pp 39-42)
  Experience with whole-body irradiator, 23:35818 (ORAU-107, pp 12-16)
  Haematological effects of whole-body radiation, 22:49580
  Hematologic and therapeutic effects of total-body irradiation (50 R to 100R) in patients with malignant lymphoma, chronic lymphocytic and granulocytic leukemias, and polycythemia vera, 25:16259 (ORAU-112)
  Hematologic effects of total-body irradiation in the human being, 21:45778 (ORAU-101, pp 18-23)
  Histopathologic study of intradermal Pu metal deposits, 23:26931
  Induction of carcinoma of the glandular stomach by whole-body irradiation, 25:4703
  Precise geometry-independent radioassay of large biological samples, 22:50934
  Recent progress in assessment of human resistance to total-body irradiation, 23:50888 (CONF-671135-, pp 193-8)
  Responses to whole-body, 23:35817 (ORAU-107, pp 8-12)
  Responses to whole-body irradiation, 23:35816 (ORAU-107, pp 6-8)
  Theoretical and experimental studies on retention and distribution of radionuclides. II. Analog computer analysis, 21:45671 (ORAU-101, pp 106-11)
  Treatment of persons exposed in radiation accidents, 24:7943
  Vascular radiation syndrome, 21:45781 (ORAU-101, pp 30-4)
  Whole-body radioisotope quantitation by the scatter-window method, 23:35729 (ORAU-107, pp 248-51)
LUSHBAUGH, Clarence C. Radiation death from cardiovascular shock following a criticality accident, 21:26615
  Theoretical and practical aspects of gastrointestinal death, 24:12295
LUSHCHIK, A. I. Electrostatic oscillations in a synthetic plasma beam, 22:29493
  Spatial distributions in a synthesized plasma beam, 24:47215
  Synthesized cesium plasma beam. i, 25:22539
  Synthesized cesium plasma beam. ii, 25:22563
LUSHCHIK, Ch. B. Electron excitation of ionic crystals and elementary mechanisms of color center formation, 22:9447
  Electron excitations and electron processes in luminescent ionic crystals, 21:21058
  Modeling of induced scintillation mechanisms in NaI:Tl and KI:Tl crystals, 23:45519
  Multiplication of electron excitations and generation of radiation defects in ionic crystals, 21:21059
  Photon multiplication in crystals and radioluminescence, 21:25211
  Role of electronic excitations in radiation coloration of ionic crystals, 21:25186
  Surface-activated scintillators, 21:23288
  Thermoluminescence fast neutron dosimeter, 21:43278
LUSHCHIK, N. E. Surface-activated scintillators, 21:23288
LUSHCHIK, V. G. Turbulent submerged jets of electroconducting liquid in longitudinal magnetic field, 22:52587
LUSHCHIKOV, V. I. Choice of proper set neutron—deuteron scattering lengths, 21:18900
  Determination of spins of ^{165}Ho neutron resonances, 21:25509 (JINR-P3-3208)
  Experiments with ultracold neutrons, 25:20232 (JINR-P3-5392)
  Neutron—deuteron scattering lengths from experiments on transmission of polarized neutrons through a polarized deuteron target, 21:11961 (JINR-E3-3030)
  Observation of the ultra cold neutrons, 23:10910 (JINR-P3-4127)
  Observation of ultracold neutrons, 24:1727
  Polarized proton target as a neutron polarizer, 24:15728
  Spin dependence of interaction of slow neutrons with deuterium, nitrogen, and lanthanum nuclei, 23:28231 (BNL-tr-263)
  Spin dependence of the interaction of slow neutrons with nuclei of deuterium, N, and La, 23:46900
  Use of a polarized proton target as a neutron polarizer, 24:13214 (BNL-tr-295)
LUSHEY, R. D. S. Cellular basis of acute radiation death in the mammal. Brookhaven lecture series No. 63, 22:2614 (TRG-Report-1550)
LUSHNIKAU, Ya. F. State of vital activity during periods of acute radiation sickness in dogs, 25:591
LUSHNIKOV, A. A. Zero sound in nuclei, 22:32682
LUSHNIKOV, E. F. Histochemical and histological changes in the heart at early periods after its local irradiation, 25:21897
  Morphological changes of metabolic disturbances in the heart in local and total irradiation in experiment, 23:38812
LUSIGNAN, B. B. Digital radio polarimeter observations of spectral type III solar decametric bursts, 21:3618
  Polarization measurements of solar Type-III radio bursts at 25.3 MHz, 25:13859 (AD-711398)
  Polarization of solar Type-III radio bursts at 25.3 MHz, 25:19399
LUSIGNOLI, M. Analysis of KN total cross sections with continuous moment sum rules, 22:48321
  Comparison of K^{+-}p dispersion relations with experiments, 21:2478
  Consistency of chiral algebra approximate saturation with experiment, 21:4103
  Constraints on Regge-pole parameters from a new family of dispersion sum rules, 23:21116
  Constraints on Regge-pole parameters from new family of dispersion sum rules, 23:27802 (NP-17887)
  Determination of the NΛK and NΣK coupling constants from KN forward dispersion relations, 22:9595
  Dispersion relation predictions for KN charge exchange and K/sub L/ → K/sub S/ regeneration, 21:31601
  Generalized Veneziano model with spin and isospin for anti NN anti KKπ processes, 25:45733
  K anti K π final states for N anti N annihilation at rest in Veneziano language, 25:9765 (NP-18578)
  K anti Kπ final states for N anti N annihilation at rest in the Veneziano language, 25:14691
  KN superconvergence sum rules and Regge-pole parameters, 22:3425
  Omega-like Regge pole exchange in K—N scattering, 24:52086 (AD-705553)
  Regeneration (K/sub L//sup o/ → K/sub S//sup o/) on H, 21:18965
  Regge-pole exchange in KN scattering, 23:49167
  Sum rules for the mixing angles of baryons in SU(3) x SU(3) chiral algebra at infinite momentum, 22:39340
  Toward unitarization of Veneziano model, 23:37019

LUSIS, A. Kh. Gamma radiation effects on the aluminum surface properties, 21:45971
LUSIS, D. Yu. Radiation effects in lithium fluoride crystals, 23:1524
LUSK, E. C. Battelle-Columbus mechanical testing hot cell, 22:4378
  Compact metallic impact limiters for shipping containers, 25:48864 (CONF-710801-(Vol.2), pp 887-904)
  Lead remelt experience with 60-ton cask, 25:48847 (CONF-710801-(Vol.2), pp 664-74)
  Shipping container design for fire accident protection, minimum restriction to decay heat removal, 25:48861 (CONF-710801-(Vol.2), pp 847-59)
LUSK, Elmer C. Shipping containers for irradiated reactor fuels, 22:49049
LUSK, J. A. Tissue-equivalent kerma variation during and after a reactor excursion, 24:6039
LUSKNITSKII, V. A. Activation analysis for investigation of sorption and sublimination properties of high-temperature materials, 24:24
LUSKY, R. J. Prog. rpt. on electrolysis of UO$_2$, 6—10/66, 21:39560 (NLCO-994)
LUSKY, Robert J. Use of uranium as a shielding material, 24:44707
LUSSIE, W. G. Behavior of discrete PuO$_2$ particles in thermal recycle fuel, 25:5994
  Carbon impurity in UO$_2$ and its effects on cladding swelling during power bursts, 25:49570 (IN-ITR-115)
  Power bursts in Zircaloy-2-clad UO$_2$ fuel rods, 23:37546
  Response of heterogeneous mixed-oxide fuel rods to power bursts, 25:51093 (IN-ITR-117)
  Response of mixed oxide fuel rods to power bursts, 25:51091 (IN-ITR-114)
  Response of UO$_2$ fuel rods to power bursts, 25:51089 (IN-ITR-112)
  Response of UO$_2$ fuel rods to power bursts, 25:51085 (IDO-ITR-103)
LUSSIE, William Gordon Gamma cascades in neutron-capture reactions in barium target, 24:30860
LUST, L. F. Justification for inert-atmosphere shielded sampling and analytical facilities for FFTF, 24:5582 (BNWL-1216)
  Mock-up of remotely operated high-purity inert-atmosphere sodium analysis facility, 25:13195 (WHAN-SA-91)
  Mockup of remotely operated high-purity inert-atmosphere sodium analysis facility, 25:51797
  Mockup of remotely operated, high-purity, inert-atmosphere sodium analysis facility, 25:4310
LUSTE, G. Coherent production of Q and L mesons of deuterium, 22:34857
LUSTE, G. J. SLAC large wire spark chamber spectrometer, 24:36616 (SLAC-PUB-754)
LUSTE, George Reaction of K$^+$p $\rightarrow$ K^0 π^+p at 2.26 GeV/c, 21:29452 (TID-23823)
LUSTE, George Juris Diffraction dissociation and 5.5 GeV/c K$^+$p $\rightarrow$ 4 prongs, 23:10753
LUSTED, Lee B. Atlas of roentgenographic measurement, 24:7955
  Diagnostic x-ray records-keeping, 24:29761 (DMRE-69-3, pp 130-6)
LUSTIG, C. D. Electroacoustic resonance densities in afterglow plasmas, 24:3423
  Noise radiation from a plasma at electroacoustic resonance frequencies, 23:39469
LUSTIG, Max Synthesis and properties of difluorodithiophosphoric acids, HPS$_2$F$_2$ and DPS$_2$F$_2$, 23:2280
LUSTIG, P. H. Post-shutdown temperature of a buried reactor system for a lunar based power plant, 24:52888 (N-70-31885)
LUSTIG, Paul H. Prestartup thawing of lithium coolant in a nuclear reactor for a space power plant, 25:46312 (N-71-17369)
LUSZCZYNSKI, K. Diffusion coefficients and nuclear magnetic susceptibility of dilute ^{3}He—He II solutions, 22:38995
  Excitations radiated from thermal source in He II below 0.3K, 25:17061
  Helium-3 spin diffusion in dilute ^{3}He—He II mixtures, 25:17067
LUSZCZYNSKI, Ryszard Application of the gas loop for production of radioactive isotopes in the reactor, 24:25225
LUTCOV, A. I. Thermal conductivity, electric resistivity, and specific heat of dense graphites, 25:29949
LUTHARDT, G. Generation of high fluxes of 14—MeV neutrons by the d—T reaction, 22:37248
LUTHER, Alan Superconductors containing impurities with crystal-field split energy levels, 24:5133
LUTHER, H. M. Evaluation of the constant momentum mass spectrometer for ionospheric investigations, 21:34513 (N-67-15457)
LUTHER, Horst Radiation chemical decomposition of hydrocarbons, 21:30447
LUTHER, M. L. Study of germanium—lithium drifted gamma spectrum shapes, 25:23843
LUTHER, Marvin LeRoy Measurement of some energy levels and lifetimes for collisionally excited boron, 22:36743
LUTHEREAU, Francois Chemical analysis by elastic scattering of charged particles, 23:9330
LUTHEY, Joe L. Electron energy and density distribution of Jovian magnetosphere, 25:38128
LUTHI, B. Critical attenuation of sound in gadolinium, 22:17739
  Ultrasonic attenuation at the magnetic-phase transition in gadolinium, 22:15612
LUTHJENS, L. H. Indirect action of γ-rays on coat protein of bacteriophage particles, 24:6150
  Radiosensitivity of bacteriophage DNA in aqueous solution, 21:24332
LUTHMAN, Per Kurt Pre-stressed concrete pressure vessel, 25:60069
LUTHRA, J. M. Empirical decay law for x-ray induced luminescence of calcite, 22:24463
  Thermoluminescence of calcite induced by alpha and reactor radiations, 25:1271
  X-ray studies on pile-irradiated calcite, 23:48579
LUTHRA, Jagdish Radiation-induced expansion and increase in refractive index of MgO, 21:839
LUTKEN, H. Elastic scattering of protons at threshold for quasi-elastic (p,n) process, 21:40407
LUTKIN, J. E. Pulse shape discrimination in inorganic and organic scintillators. I, 25:48927
  Simple zero crossing pulse shape discrimination system, 25:32255
LUTOMIRSKI, R. F. Induced fields and heating within a cranial structure by EM plane waves, 25:21904 (AD-712845)
  Model for the generation of magnetohydrodynamic waves by high-altitude nuclear bursts, 22:41480
  Physical model of cyclotron damping, 21:37453 (RM-5356-PR)
  Physical model of cyclotron damping, 24:10578
LUTON, J. N. Engineering design studies on the superconducting magnet system of a Tokamak fusion reactor, 25:38507 (CONF-710607-133)
  Injection and accumulation: neutral injection into minimum B absolute value (DCX-3 magnet design), 21:13530 (ORNL-4063, pp 29-35)
LUTON, J. N. Jr. Minimum-B configuration in INTEREM facility, 24:24075 (LA-4250, pp G11.1-6)
  Ribbon coils for high current densities, 21:3806 (ORNL-P-2671)
LUTON, James Norfleet Jr. Engineering problems in production of stationary magnetic fields, 24:48210 (TID-25511)
LUTON, M. J. High temperature flow stress and substructure strengthening of polycrystalline α-zirconium, 25:35401
LUTSEK, V. P. Apparatus for carrying out radiation-chemical and microbiological investigations, 24:356
LUTSENKO, E. I. Electron energy spectrum in a linear plasma betatron, 24:49142
  Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
  Investigation of a linear plasma betatron, 24:10889
LUTSENKO, I. K. Physical and chemical conditions of uranium underground leaching from rocky ores, 24:9533
  Underground leaching of poor uranium ores, 22:33576
  Underground leaching of U ores, 24:16713
  Underground leaching of uranium ores, 25:51558 (A/CONF.49/P-459)
LUTSENKO, L. V. Thorium nitrobenzoate, 22:12302
LUTSENKO, S. M. Effect of microwaves on revascularization of the blood supply in free skin grafts, 25:19104
LUTSENKO, V. N. Atlas of γ-ray spectra from radiative capture of thermal neutrons, 22:39648
  Flux of low-energy protons near the Moon on December 13, 1966, 25:11669
  Low-energy solar protons, 24:23665
  Registration in space around moon of electrons with energy above 30 keV, 22:23915
LUTSIK, V. A. Measurement of the polarization of a proton beam accelerated in charge-exchange accelerator, 23:42826
  Polarization of protons elastically scattered on ^{12}C, 23:13210
  Polarization of protons elastically scattered on ^{9}Be, 24:10937
LUTSIK, V. P. Investigation of γ-transitions in ^{59}Co(p,nγ)^{59}Ni reaction, 21:44611 (ORNL-tr-1739)
LUTSISHIN, P. P. Galvanomagnetic phenomena in thin films of some transition metals, 23:14920
  Static skin effect in tungsten, 24:8542
LUTSKER, L. S. Gamma-therapy of tumors of the hypophysis, 21:39494
  Initial signs and classification of radiation cataract, 22:38451
LUTTERBECK, Eugene F. Hazards of radiation in obstetrics and gynecology, 23:22345
  Postoperative treatment of carcinoma of the breast with telecesium, 24:34535
LUTTGE, U. Ion absorption in Atriplex leaf tissue. II, 24:566
LUTTGE, Ulrich Dual mechanisms of ion absorption in relation to long distance transport in plants, 21:6431
LUTTON, R. J. Geologic and engineering properties investigations, project Sulky, 21:26019 (PNE-720-F)
  Geologic and engineering properties investigations, 22:40281 (PNE-602-F)
  Natural rubble slopes and their relevance to crater fallback slopes, 24:9543 (NCG-TR-14)
  Preshot geologic and engineering properties investigations, 23:43400 (PNE-322)
  Project PRE-SCHOONER, geologic and engineering properties investigations, 21:36184 (PNE-505-F)
LUTTON, Richard J. Preshot geologic and engineering properties investigation: Project Pre-Schooner II, 22:14601 (PNE-509)
  Study of selected rock excavations as related to large nuclear craters, 22:6508 (PNE-5010)
LUTTS, B. G. Uranium content and abundance in deep-zone rocks of Earth crust and upper mantle, 25:48669
  Uranium content in eclogitic inclusions from kimberlite pipes, 22:48967
LUTWICK, L. Effects of photodynamic action on E. coli, 23:33914
LUTZ, Barry L. Emission spectrum of CN$^+$, 25:9186
  Probabilities for radiation and predissociation. II, 24:15111
  Spectrum of the CN molecule. II, 25:16780
LUTZ, D. E. Feasibility study of nuclear steam supply system using 10,000-MW, Na-cooled breeder reactor, 21:23588 (ANL-7183)
  Objectives and status of AEC-sponsored 1000 Mwe LMFBR follow-on studies, 23:11156 (CONF-680419-, pp 3-8)
  Oxygen control is vital to sodium-cooling, 21:36217
LUTZ, David Estimation of radiation doses to the respiratory tract from inhalation of airborne radioactivity, 22:33821
LUTZ, G. Coherent bremsstrahlung and pair production in the diamond crystal in graphical representation between 1 and 40 GeV, 21:18444
  Coherent pair production in the diamond as a tool to analyze high energy photon polarization, 21:17020 (CONF-660918-, pp 207-13)
  DESY polarized γ-ray beam, 21:29781
  Effect of target thickness and collimation angle on bremsstrahlung beam in the GeV region, 22:5683 (DESY-67/29)
  Experimental confirmation of radiative corrections to bremsstrahlung and pair production at high energies, 22:22284
  Monoenergetic bremsstrahlung with linear polarization close to 100 percent from thin crystal targets, 22:11619
  Photoproduction of muon pairs, 24:6683
LUTZ, G. J. Activation analysis: a bibliography, 23:9298 (NBS-TN-467(Pt.1 and 2))
  Bibliography of activation analysis papers, 24:25012 (NBS-TN-519)
  Bibliography on activation analysis, 24:29226 (NP-18222)
  Bibliography on neutron generators in activation analysis, 25:2130 (NBS-TN-533)
  Determination of carbon in high purity metals by photon activation analysis, 24:38796
  Determination of carbon in metals by photon activation analysis, 24:5637
  Determination of carbon in sodium by photon activation analysis, 22:22985
  Determination of O in Na, 24:18927
  Determination of yttrium in rare earths by photon activation analysis, 24:5615
  NBS automated activation analysis information retrieval system, 24:80
  Oceanography: a bibliography of selected activation analysis literature, 25:49 (NBS-TN-534)
  Photon activation target assembly for the NBS linear electron accelerator, 21:37971
  Pollution analysis: bibliography of the literature of activation analysis, 25:2129 (NBS-TN-532)
  Self-shielding corrections in photon activation analysis, 24:44
  Sensitivities in photon activation analysis, 23:15826
LUTZ, George J. Determination of trace elements in standard reference materials by neutron activation analysis, 21:30376
  Photon activation analysis: a review, 25:15553
LUTZ, Gerhard Coherent bremsstrahlung and pair production on diamond single crystals, 21:39793 (DESY-67/23)
  Monoenergetic bremsstrahlung with linear polarization close to 100 percent from thin crystal targets, 21:11386 (DESY-66/37)
LUTZ, H. Angular dependence of channelling in gold single crystals, 21:842
  Deoxidation of sintered molybdenum with carbon, boron, and silicon, 23:6656
  Design of a 1.3m inner diameter 50kG superconducting bubble chamber magnet system, 22:10601
LUTZ, H. D. Lattice vibration spectra of Sr(OD)$_2$. D$_2$O and Ba(OD)$_2$. D$_2$O, 23:35107
  Lattice vibrational spectra. VIII, 25:51454
LUTZ, H. F. Calculation of low-energy (n,p) reactions, 22:20677 (UCRL-50359)
  Charge exchange reaction (^{3}He,t) on ^{26}Mg and ^{30}Si, 25:7827
  Elastic scattering of 7- to 14-MeV neutrons from N, 21:9948
  Inelastic scattering of 14.0-MeV protons by the even isotopes of Cd, 23:31023
  Inelastic scattering of 14.4-MeV protons by even isotopes of Ti, 24:15849
  Neutron pick-up on five stable isotopes of titanium via (^{3}He,^{4}He) reaction, 22:44632
  Proton induced reactions on mass-14 nuclei, 25:36673
  Proton inelastic scattering from the five stable, even-mass isotopes of molybdenum, 25:56774
  Proton transfer reactions on ^{26}Mg and ^{30}Si, 24:52508
  Reaction (α,t) in ^{19}F, 21:35422
  Reactions ^{16}O(p,t)^{14}O and ^{18}O(p,d)^{17}O at E/sub p/ = 18.2 MeV, 21:40387
  Reactions ^{22}Ne(d,d)^{22}Ne, ^{22}Ne(d,p)^{23}Ne, ^{22}Ne(d,t)^{21}Ne, and ^{22}Ne(p,d)^{21}Ne, 21:15529
  Scattering of 14.5-MeV protons from even isotopes of germanium, 24:38166
LUTZ, H. O. Addendum to impact-parameter dependence of inner-shell vacancy production by heavy-ion bombardment, 25:7140
  Charge states of 60-MeV iodine ions channeled in Au, 25:5164
  Charge-state distributions of Br and I ions emerging from solids and gases in energy range 20 to 150 MeV, 23:16642
  Differential-stopping-power functions of fast ions channeled in Au, 23:27689
  Electron capture and loss cross sections of fast bromine ions in gases, 24:37255
  Equilibrium charge states of Br and I ions in solids and gases at 10 to 180 MeV, 23:10461
  Evidence of shell effects and the approach to equilibrium in the charge-state distributions for 15 to 160 MeV ^{79}Br and ^{127}I ions in C, 21:9317
  Impact-parameter dependence of inner-shell vacancy production by heavy-ion bombardment, 24:30140
  Inner-shell-vacancy production by heavy-ion bombardment, 25:16759
  Stopping powers for iodine ions at energies up to 200 MeV, 21:37545
LUTZ, H. R. Material buckling and diffusion coefficient in D$_2$O moderated lattices containing natural UO$_2$ fuel clusters, 22:22838
  Muhleburg, 24:35943

Start-up and operational experience with first two Swiss nuclear power stations Beznau and Muehleberg, 25:53949 (A/CONF.49/P-673)
LUTZ, Hans O. Motion of energetic particles in crystals, 22:11509
LUTZ, Harry F. Calculation of neutron inelastic cross sections using electromagnetic transition data, 21:21441 (UCRL-50181)
Fast neutron cross sections inferred from charged-particle data and from the application of nuclear models, 21:10075 (UCRL-14955)
LUTZ, J. D. Solid state/NaI, single/dual parameter gamma analysis for low level samples using an on-line computer: results, 25:16183
LUTZ, M. Administration of Ca-DTPA on the elimination of trace elements in rats, 21:18008
Detection and measurement of trace gases with a metastable-helium detector, 25:32296
Detoxicant capacity of Ca-DTPA in experimental chronic plutonium poisoning in rats, 21:18007
Efficacy of DFO and DTPA for elimination of Pu in poisoned rats, 23:9893
Modalities of Ca elimination after ^{45}Ca DTPA injection, 21:18002
Physical variables characterizing selective mitochondrial heat injury by laser microirradiation, 24:27546
Pulmonary retention and disposal of plutonium oxide, 25:18891 (LF-tr-46)
Retention and lung clearance of plutonium oxide, 24:48384
LUTZ, Marc Measuring very weak optical densities in a living cell, 23:9847
Partial cell irradiation by uv and visible light, 25:8744
LUTZ, Michael A. Radiation and its effect on the nonequilibrium properties of a seeded plasma, 21:35170
LUTZ, Michel Separation and recovery of permanent gases by preparative chromatography, 25:29177 (CEA-R-4090)
Thermal decomposition of biphenyl at 400°C, 23:24197
LUTZ, Michele Device for contaminating animals by inhalation of radioactive aerosols, 21:10856 (CEA-R-3086)
Hydrolysis of tetravalent Pu. Evidence for complexing by anions of biological interest, 21:10301 (CEA-R-3092)
LUTZ, O. Aluminum-27 nuclear magnetic resonance studies in solutions of light and heavy water, 23:5491
g/sub I/ Factors and magnetic moments of alkali metal nuclei, 22:5779
Magnetic moment of ^{207}Pb and shielding of lead ions by water, 25:50729
Magnetic moment of ^{45}Sc, 23:25889
NMR studies of ^{35}Cl, ^{37}Cl, ^{79}Br, and ^{81}Br, 24:45365
Nuclear magnetic resonance of alkali metal nuclei in aqueous solutions, 23:1832
Ratio of Lamor frequency of ^{73}Ge relative to ^{2}H and ^{41}K, 22:3665
Ratio of the Larmor frequencies of ^{41}K and ^{2}H, 21:15478
LUTZ, Paul E. Performance of coolant clean-up system in the Peach Bottom reactor, 25:50892
LUTZ, R. F. Use of a radioisotope as an electron source in a space environment simulation chamber, 22:30786
LUTZ, R. P. Stereochemistry of chloride exchange in desyl chloride, 22:37730
LUTZ, Robert E. Elimination reaction with kinetics characteristic of ElcB mechanism, 22:45049
LUTZ, Robert W. Density change on vibrational relaxation in shock-heated hydrogen and deuterium, 21:3666
LUTZ, Ruth N. Deuterium-oxide dilution as a predictor of body composition, 23:22205
LUTZ, Thomas E. Effect of metal abundance on K-line absolute magnitudes, 23:12455
Measurement of K-line absolute magnitudes, 25:6967
Stellar radial velocities derived from microphotometer measurements, 23:51172
UBV observations of visual double stars, 25:58457
LUTZ, Thomas Edward Intercomparison of three spectroscopic luminosity criteria, 25:4910
LUTZ, W. J. Radiophotoluminescent dosimetry employing a uv laser, 25:15946 (ANL-7760(Pt.1), pp 13-20)
LUTZ, W. R. Energy dependence of reorientation effect and the static quadrupole moment of 0.847 MeV 2^{+} state in ^{56}Fe, 25:45949 (COO-1746-50)
LUTZE, W. Determination of chlorine in selenium by instrumental neutron activation analysis, 24:11500
Ion-exchange kinetics in vermiculite, 25:51596
Ion-exchange properties of a volcanic tuff and its application to selective adsorption of radionuclides, 25:48590
Isotopic exchange between glasses and nonaqueous liquids, 25:41810
Isotopic-exchange investigation on silicate ion exchangers. IV, 21:23866
New Cs-selective mineral ion exchange for decontamination of radioactive waste, 22:16669
LUTZE-BIRK, A. Excitation of x rays for investigation of diffusion, 25:57673
LUTZKY, M. Influence of external magnetic field on MHD model of nuclear explosion, 23:49971 (AD-689110)
Quadratic artificial viscosity in numerical magnetic gas dynamics, 25:35951
Shock propagation in spherically symmetric exponential atmospheres, 22:36933
Transformations for scaling of close-in pressures from nuclear explosions, 21:30556 (AD-630654)
LUTZNER, Marvin A. Ultraviolet-stimulated thymidine incorporation in xeroderma pigmentosum lymphocytes, 25:39900
LUUD, L. Nature of P Cyg-type stars, 22:8958
Peculiar star CH Cygni in 1968, 24:39756
LUUD, L. S. Spectroscopic study of P Cygni, 23:32082
Spectrum of AG Pegasi in 1965, 23:3193
Spectrum of P Cygni in 1964, 22:810
LUUKKO, A. Angular distributions in reaction ^{41}K(p,α_0)^{38}Ar at E/sub p/ = 1550 to 2000 keV, 23:21306
Branching ratios for excited states in ^{25}Al, 24:18382
Coincident summing effects in Ge(Li) detectors, 23:638
Decay of 81 sec ^{59}Cu, 24:18381
Energy levels of ^{24}Mg, 25:28259
Excited nuclear levels in doubly even Xe isotopes populated in (α,2n) reactions, 23:9001
Gamma rays following the decay of ^{61}Ga, 25:1721
Gamma—gamma angular correlations in ^{130}Xe, 24:18423
High-spin states in odd Xe nuclei, 24:13357
Investigation of the reaction ^{27}Al(p,α_0)^{24}Mg at proton energies 1180 to 1920 keV, 23:3977
Isomeric state in ^{123}Xe, 24:18442
Level systematics of even—even Te and Xe isotopes, 22:27160
Levels in ^{55}Fe from the decay of ^{55}Co, 25:3604
Levels in doubly even Te isotopes ^{114} ^{116} ^{118}Te populated (α,2n) reactions, 23:49428
Proton reactions on ^{23}Na, 25:20325
Two- and three-quasiparticle states in ^{123}Xe and ^{121}Xe, 25:50743
LUUKKO, Antii Proton bombardment of the ^{41}K isotope at E/sup p/ = 1400 to 750 keV, 22:13962
LU VAN, M. Multiphoton ionization and dissociation of H molecule at 1.06 μ, 25:45307
LUVISETTO, M. L. Calibration and test programs for the FSD system, 21:41260
FSD—IBM 360/44 system at CNAF and its performances both with load and minimum guidance, 23:33498 (ANL-7515, pp 140-63)
Future developments of CNAF FSD system, 21:41261
HDP—IBM 360/44 system at CNAF for bubble chamber data analysis. I, 25:13267 (CERN-70-21(Vol.2), pp 607-15)
HPD—IBM 360/44 system at CNAF for bubble chamber data analysis. II, 25:13268 (CERN-70-21(Vol.2), pp 617-24)
Preliminary results of THRESH and GRIND obtained from FSD—IBM 7094 measured events, 21:41258
System FSD—IBM 7094 built at CNAF, 21:41259
LUX, B. Catalysis of graphitization of furfuryl—alcolhol coke by titanium and vanadium, 25:48414 (SC-T-713052)
Influence of Ti, S, and other elements on solidification of Fe—C—Si alloy, 23:39002
Oxidation protection of Mo by a $MoSi_2$/SnAl protective layer, 22:19488
Protection against oxidation of niobium alloys, 22:36433
Protection of Nb against oxidation, 25:19176
Protection of Nb from oxidation by a $NbSi_2$ coating impregnated with SnAl, 21:18212
Protection of niobium alloys against oxidation, 24:4732
Velocity of sound in iron and iron alloys in the solid and molten state, 24:53050 (LA-tr-70-21)
LUX, Benno Growth of the Ni—W eutectic, 25:16535
LUX, F. Application of mechanical separation and solid-state reactions to the reprocessing of ceramic nuclear fuels, 22:45140 (BMwF-FBK-68-08)
Dimethyl sulphoxide complexes of the actinide tetrachlorides, 22:16522
Diphthalocyaninoto—Th(IV) and U(IV), 23:4631
Neutron activation analysis of paintings, 24:129
LUX, Franz Activation analysis investigation of paintings, 21:1280
Application of activation analysis in biochemistry, 23:28754
Behavior of products of irradiation in the high-temperature treatment of neutron-irradiated uranium dioxide, 22:25476
Radiochemical investigations on phthalocyaninato actinide complexes, 24:48144
UBr_4 and $UOBr_2$.2.5DMA, 25:2200
LUX, Hermann Oxide carbides of Cr, Mo, W, and V, 22:34104
LUX, I. Antineutrino luminosity of the Earth, 24:48984
Hunting for soft antineutrinos, 24:30438
LUX, R. A. Time-dependent dosimetry and spectroscopy, 24:11252 (CONF-690102-, pp 469-77)
LUX, Robert Reduction of biological effectiveness of x rays at very high dose rates, 25:16126 (AD-713557)
Relative biological effectiveness of x rays delivered at very high dose rates to radish seeds (raphanus sativus), 25:55350
LUXA, J. Questionmarks concerning radiation, 23:4967
Questions about radiation, 24:12874 (ORNL-tr-2219)
LUXMOORE, A. Fracture-thoughness tests on Zr alloys, 25:674
LUXMOORE, Anthony Rodger Improvements in strain measuring, 24:25232
LUXTON, G. Production processes and Regge-pole hypothesis, 25:3399
LUXTON, Gary The complex angular momentum theory of the production of three particles in collisions of two strongly interacting particles at high energy, 25:14677
LUYANAS, V. Yu. Annual variation of stratospheric ^{137}Cs in fallout and beta- and long-lived alpha-activity variation in 1966 in Vilnyus, 23:467
Conference on atmospheric scavenging of radioisotopes, Palanga, USSR, 6/66, 24:39082
Cosmogenic ^{22}Na, ^{7}Be, ^{32}P, and ^{33}P in atmospheric dynamics research, 24:41447
Determination of natural radiocarbon β-activity with liquid scintillation techniques, 22:19142
Determination of vertical displacement of air masses using the radioactive isotopes, 23:17589
LUYANASA, V. Yu. Conference on investigations of atmospheric self-scavenging processes from radioactive isotopes, Palanga, USSR, 7/66, 23:17586
LUYCKX, S. B. Slip system of WC crystals, 24:12482
LUYCKX, Silvana Bartolucci Microscopic aspects of fracture in WC—Co alloys, 22:23886
Strength of tungsten carbide—cobalt compacts, 23:34108
LUYKEN, B. F. J. Excitation of Ne, Ar, Kr, and Xe by He^{+} impact, 23:44177
LUYKX, F. F. Characteristics of dosimeters for measuring individual radiation doses, 22:23523
LUYSTERBORG, J. Immediate and long-term measures taken in following the contamination of personnel by ^{241}Am and ^{242}Cm, 25:37804 (EUR-4612, pp 631-46)
Plutonium and americium fecal analysis, 21:27888 (BLG-408)
LUYTEN, G. Powder mobility in vibro-compacted fuel elements, 23:48548
LUYTEN, Jan Reindert Calculations of total muon capture rates in nuclei, 23:46941 (NP-17979)
LUYTEN, Willem J. Nature of faint blue objects in high galactic latitudes. I, 21:31132
Nature of faint blue objects in high galactic latitudes. II, 23:20574
Stars of low luminosity, 22:43740
LUZ, A. Production of osteosarcomas by incorporation of ^{224}Ra, 24:34033
LUZ, Z. ESR of ^{17}O-labeled CO_2^- radical trapped in Na formate, 25:15680
ESR of ^{17}O-labeled PO_3^{2-} ion trapped in a single crystal of $Na_2DPO_3.5D_2O$, 24:29339
ESR of SO_2^-, 25:4124
LUZANOV, V. M. Change in the functional state of erythropoiesis during prolonged fractionated irradiation, 25:27015
Erythropoietic activity of the blood in fractional irradiation, 25:29655
LUZANOVA, L. M. Method of calculating fission activity of water in the primary loop of a water—water power reactor, 25:25973 (IAE-1968)
LUZANOVA, O. V. Therapeutic effect of DNA in acute radiation sickness, 25:44845
Therapeutic efficacy of high-polymer heterologous DNA in radiation sickness, 24:23244
LUZHANSKII, S. M. Magnetometer for measuring constant and pulsed magnetic fields, 25:49045
LUZHNAYA, N. P. Phase diagram of Nd—Te system and phase properties, 21:34925
Phase diagram of Pr—Se system, 21:28840
LUZIETTI, L. Systemic arterial circulation and renal circulation during irradiation of lung tumor carriers, 21:4854
LUZIKOV, V. N. Influence of pre-processing with substrate on thermal after-effects in uv-irradiated trypsin, 21:4778
Intermolecular reactions in thermal inactivation of irradiated trypsin solutions, 21:10751
Kinetics of thermal inactivation of ultraviolet irradiated solutions of trypsin. II, 22:28344
LUZIN, V. N. Magnetic spectrometer of missing masses, 25:39757 (ITEF-808)
LUZIO, J. Frozen irradiated peripheral nerve and calvarial homografts in clinical surgery, 25:11334
LUZOV, A. A. Annual cosmic-ray variations and their relation to active formations on the Sun, 22:21961
Annual variations of cosmic rays and changes of the cosmic radiation intensity as a function of the heliolatitude of the earth, 21:31274
Dependence of cosmic-ray intensity in interplanetary space upon Earth's helio-latitude, 21:35050
Effectiveness of magnetic storms that are ineffective in cosmic rays, 21:46191
Structure of interplanetary space, 23:46327
Structure of magnetic heterogeneity flows from sun, 23:46224
Structure of the interplanetary space from data on annual cosmic-ray variations, 25:19526
Twenty-seven day cosmic-ray intensity variations and structure of the solar corpuscular streams, 22:11277
LUZZATI, A. Decay study of ^{117}I and ^{119}I, 24:15936
LUZZATI, A. L. Electrophoretically homogeneous antibody synthesized by spleen foci of irradiated repopulated mice, 24:44448
LUZZATTO, G. Equal-time commutators and Bjorken's theorem, 25:30973
General treatment of complex-angular-momentum SU_3 representations, 21:42401
Scattering amplitude in renormalized Lee model, 24:13194
LUZZI, G. Calibration of the silver activated counters on a plasma focus experiment, 25:56214 (LGI-70/17/E)
Structure of the dense plasma focus. I, 25:38494 (CONF-710607-36)
Structure of the dense plasma focus. II, 25:38495 (CONF-710607-37)
LUZZI, Theodore E. Electromagnetic wave scattering from a finite-volume turbulent plasma, 23:44467
LUZZIO, A. J. Specific proteins in serum of total-body irradiated humans, 21:8938
LUZZIO, Anthony J. Laser-induced cataract. Clinical observations, 24:41985
L'VITSINA, G. M. Effect of small doses of ^{90}Sr on dogs, 25:24319 (AEC-tr-7195, pp 275-85)
L'VITSYNA, G. M. Allergy and radiation, 23:50393
Detection of radiation damage, 24:879
Nonspecific serological reactions in the case of damage to the organism by ^{210}Po, 24:9785
Primary immunization and revaccination with brucellosis vaccine in ^{210}Po-poisoning of organism, 23:22183 (AEC-tr-6944, pp 697-702)
LVOV, A. N. Angular correlation measurement in the reaction ^{11}B(d,pγ)^{12}B, 22:35228
Angular correlation measurements in ^{9}Be(d,pγ)^{10}Be reaction, 21:21471
Angular correlation measurements in reaction ^{10}B(d,pγ)^{11}B, 22:29910
Cryostat for a Ge(Li) detector, 25:42084
Level (3.95-MeV) and decay scheme of isobaric-analog 8.38-MeV state in ^{33}Cl nucleus, 25:17817
Levels of ^{30}P, 21:29935
Reaction ^{32}S(p,γ)^{33}Cl and energy levels of the ^{33}Cl nucleus, 21:38278
Studies of (d,α) reaction on ^{10}B and ^{11}B nuclei, 23:5816

- L'VOV, B. V. Atomic absorption spectral analysis, 21:14170
  - Atomic absorption spectroscopy, 24:22575 (AEC-tr-6979)
  - Atomic-absorption analysis of radioactive preparations of zinc and cadmium, 23:35018
  - Isotope analysis of helium by spectrometry with the aid of an isotopic filter, 22:38
  - Spectral determination of the isotopic composition of Hg, 21:2974
  - Spectroscopic determination of ^{12}C—^{14}C C isotopes in radioactive compounds, 21:2973
- L'VOV, G. V. Thermoelectron emission from hafnium and zirconium carbides, 21:33236
- L'VOV, K. M. Investigation of paramagnetic centers of irradiated proteins, 25:42275
  - Recombination of free radicals in irradiated proteins, 21:22330
  - Recombination of unpaired electrons in irradiated proteins and polypeptides, 22:33747
  - Recombination of unpaired electrons in irradiated proteins and polypeptides, 22:49176 (JPRS-43645, pp 95-7)
- L'VOV, L. N. Investigation of zones damaged by fragments of heavy nuclei fission, 21:18304
  - Measurement of the number of fission fragments by means of silicate glass, 22:36070
  - Track diameter distribution of spontaneous fission fragments of ^{244}Cm on siliceous glass surface, 24:19214
- L'VOV, S. N. Installation for determining temperature dependence of resistivity over range of temperatures 300 to 2500° K, 22:52276
  - Magnetoresistance and Hall effect of diborides of metals of the IV B subgroup, 24:35555
  - Magnetoresistance and Hall effect of metal carbides, 25:52964
  - Physical properties of niobium and tantalum nitrides, 22:4078
  - Temperature dependence of absolute thermo-EMF coefficient of certain transition metals, 25:56351
  - Temperature dependence of the electrical and thermal conductivity of rhenium and metals of the platinum subgroup, 25:55523
  - Thermal and electric conductivity of porous tungsten, 22:47679
  - Thermal conductivity and magnetic susceptibility of alkaline earth and rare earth metal hexaborides, 21:14899
  - Thermal conductivity of borides of metals of IV—VI groups, 22:679
  - Thermal conductivity of IV-VI group transition metal borides, 21:14900
- LVOVSKAYA, E. N. Characteristics of vascular dystonia in subjects exposed to chronic irradiation, 22:40885
  - State of optical organ in case of chronic external gamma-neutron and x-ray irradiation, 24:23222 (AEC-tr-7133)
  - Working conditions and health of workers at United Inst. of Nuclear Research, 22:31268
- L'VOVSKII, Z. A. Interferon in chicken fibroblasts after x-irradiation, 22:47642
- LWIN, Y. N. Annealing study of dilute aluminum alloys electron-irradiated at liquid-nitrogen temperature, 25:17278
  - Recovery of pure platinum and dilute platinum—gold alloy electron-irradiated at liquid-nitrogen temperature, 25:36306
  - Stage-III annealing study of electron-irradiated pure aluminum, 22:11519
  - Stage-III annealing study of electron-irradiated pure aluminum, 22:31926 (BNL-50083, pp 244-64)
- LWIN, Yan Naing Stage III annealing study of electron-irradiated Al and dilute Al alloys, 22:13024
- LWOWSKI, Walter Infrared spectroscopic study of the photolytic decomposition of methyl azidoformate, 25:26236
- LYABIN, V. M. Balmer discontinuities of peculiar and magnetic A stars, 22:36571
- LYADOV, G. D. Kinetics of fission-fragment yield from single-crystal UO_2, 24:29093 (AERE-Trans-1119)
- LYAGINSKAYA, A. M. Biological effect of tritium oxide in organism, 23:43860
  - Development of embryos of rats under tritium oxide, 25:24329 (AEC-tr-7195, pp 433-8)
  - Development of heart of rats injected with ^{90}Sr, 25:23988 (AEC-tr-7195, pp 413-21)
  - Effect of ^{90}Sr on intrauterine development of fetus, 23:22390 (AEC-tr-6944, pp 526-37)
  - Effect of ^{90}Sr on progeny, 25:24327 (AEC-tr-7195, pp 405-12)
  - Effect of tritium oxide on testes and progeny of rats, 25:24328 (AEC-tr-7195, pp 422-32)
  - Effect of tritium oxide on the fertility of males, 23:22388 (AEC-tr-6944, pp 503-13)
  - Effect of tritium oxide on the postnatal development of rat offspring poisoned at various periods during antenatal life, 23:22387 (AEC-tr-6944, pp 493-502)
  - Effect of various doses of tritium oxide on the estrual cycle in the rat female, 23:22364 (AEC-tr-6944, pp 258-68)
  - Radionuclide transfer through placenta, 24:23074 (CONF-690501-, pp 153-60)
  - Transfer of tritium oxide from mother to fetus of rats, 23:18039
- LYAGUSHCHENKO, R. I. Effective number of ionization and recombination events in the positive column, 25:36136
  - Investigation of a hollow-cathode discharge. II, 21:7286
  - Positive column of neon discharges at average gas pressures. II, 23:23116
  - Positive column of neon discharges at average gas pressures. I, 23:23146
  - Spectroscopic and probe study of a contracted discharge column. II, 21:25120
- LYAISTE, R. Semiautomatic apparatus for camera photographs from bubble chambers, 23:2649
- LYAKH, S. P. Effect of ascorbic acid on melanogenesis of Nadsoniella nigra and its stability to uv and γ-radiation exposure, 24:32271
  - Photoprotective effect of the pigment of Nadsoniella nigra, 24:4698
  - Pigmented mutants of Nadsoniella nigra and effectiveness of radiomutagens, 25:44791
  - Stability of Nadsoniella Nigra to the action of short-wave electromagnetic irradiation, 23:8089
- LYAKHOV, B. M. Westward drift of the geomagnetic field and displacement of eccentric dipoles, 22:34472
- LYAKHOVA, L. N. Manual on short-term prediction of ionospheric geomagnetic storms and radio-propagation forecasting service, 23:44237 (AD-682507)
  - Principles of predicting ionospheric magnetic disturbances and short-term radio forecasting, 22:46037
- LYAKHOVICH, T. K. Electron fusion of molybdenum in controlled gas medium, 22:36444
  - Molybdenum gas separation at elevated temperatures, 22:17096
- LYAKHOVITSKII, V. N. Binding energy and wave function of ^3H and ^3He, 22:48450
  - Levels in the four-nucleon system, 22:1595
  - Model of s-wave potentials with a hard core, 25:17993
  - Three-body binding energy for potentials with hard core, 25:23082
- LYAKHOVSCKI, V. D. Self coupled generalized vector fields of Yang—Mills type, 21:27416 (IFA-FT-63)
- LYAKHOVSKI, V. D. Standard invariance and generalized Yang—Mills fields in self-interaction, 22:13839
- LYAKHOVSKII, V. D. Deformations of Lie algebras and relativization of the internal symmetry, 24:18243
  - Generalized symmetries and deformations of the direct sums of Lie algebras, 23:8823
  - Self-coupled generalized Yang—Mills fields, 23:1685
- LYAKHOVSKII, V. N. Levels in four-nucleon system, 21:42681 (NP-16946)
- LYAKISHEV, N. P. Production of ferroniobium, 22:28767
- LYALIKOV, A. S. Interaction between temperatures in nonlinear heat transfer phenomena in fuel elements, 24:2390
- LYALIN, E. O. Properties of $^6LiI(Eu)$ crystals at low temperatures, 25:8529
- LYALIN, G. N. Two-photon excitation of luminescence in uranyl crystals by a ruby laser, 24:48093
- LYALL, E. Minimum fluidisation velocities for spherical and irregular particles fluidised by air, 23:31464 (AERE-M-2152)
- LYALL, H. G. Gas mixing in rod clusters, 23:26450
  - Method of analyzing SGHW dry-out margins, 23:37563 (RD/B/N-1285)
- LYAMIN, Yu. A. Pulsed neutron source having electrodynamic plasma accelerator, 23:49310
- LYAMOV, V. E. Effects of the entrainment of particles by waves, 21:35180
- LYANDO, V. A. Variations in the contact potential difference of rare earths oxides as a function of the temperature of annealing in oxygen, 21:12411
- LYAPIDEVSKII, V. K. Applications of semiconductor detectors with p—n junctions for low-energy x- and gamma-ray dosimetry, 25:44703
  - Colorimetric method for the identification of isotopes with gamma radiation, 21:22154
  - Combined detectors in clinical dosimetry, 22:38296
  - Concerning the relation between signals in different recording systems, 23:11905
  - Correction of the energy characteristics of dosimetric scintillation detectors, 22:8400
  - Determination of absorbed doses of long-wave roentgen and gamma-radiation with the aid of a detector of complete absorption, 25:23872
  - Determination of the absorbed dose of various types of radiation on the basis of the recorded particles and the mean energy of the active spectrum, 23:4969
  - Distribution of depth doses of bremsstrahlung of 25 MeV, 22:51618
  - Dose fields of ^{60}Co gamma radiation in surface layers of tissue-equivalent substance, 21:45629
  - Effects of electric fields on scintillations, 21:6241
  - Electric breakdown in plastics irradiated with charged particles, 25:2225
  - Formation of dose field of 25-MeV bremsstrahlung, 22:45529
  - Kremnii-1 dosimeter, 24:48333
  - Mechanism of the formation of tree-shaped channels in charged-particle irradiated dielectrics, 25:29100
  - Method for the determination of optical spectra of scintillations, 23:2587
  - Short scintillation color determination by using two receivers with various spectral properties, 21:16180
  - Use of recording systems with two outlets for determining absorbed doses in a dispersed medium, 23:12101
- LYAPIN, E. N. Distribution of ^{144}Ce in organs and tissue of hydrobionts, 25:44762
- LYAPINA, S. A. Certain kinetic rules of radiation-chemical oxidation of tetrachloroethylene, 23:17477
- LYAPUNOV, A. A. Problems of Cybernetics, No. 16, 1966, 21:14562 (JPRS-38943)
- LYAPUNOVA, T. S. Influence of ionizing radiations on carbohydrates and yeast organisms, 23:24568
- LYARSKII, P. P. Influence of mexamine on the distribution of ^{35}S-cystaphos in organism and analysis of the protective effect of a complex of these protectors, 24:9878
  - Levels of superficial irradiation of personnel working with different radiation sources, 23:38570
  - MPC of ^{232}Th and natural Th in drinking water, 25:11051
  - Quantitative characteristics of the radioprotective effect of mexamine, 24:27614
  - Radiational safety in the use of radioisotopic methods in engineering industry, 25:13467
  - Sanitary laws of countries in the Council of Economic Cooperation in the field of radiation hygiene, 21:45645
  - Substantiation of the choice of dosimetric and radiometric equipment used in sanitary hygienic investigations, 24:25488
- LYASH, A. V. Ecitation of the aromatic molecules by electron impact. I, 25:43127 (BNL-tr-429)
  - Excitation of carbon atoms and carbon-like ions by electron impact, 25:52670
  - Extended method and many-configurations approximation in the theory of electron-atom collisions, 22:29210
  - Inelastic scattering of fast electrons from benzene, 23:18415
- LYASHCHENKO, A. B. Characteristic temperature, Young's modulus, root-mean-square atomic displacement in lattice of Ti, V, Cr, Fe, Co, and Zr borides, 23:36130
  - Elastic constants and characteristics of the electronic structure of certain types of refractory compounds obtained by sintering, 21:31098
  - Nature of solid solutions in the niobium—oxygen system, 25:14457
- LYASHCHENKO, B. G. Effects of neutron irradiation on the properties of Fe—Ni—Al—Co alloys, 24:42288
  - Influence of reactor irradiation on atomic order in Ni_3Mn, 25:52902 (JPRS-53800, pp 72-8)
  - Neutron-diffraction investigation of radiation-induced ordering in Ni_3Mn and Ni_4FeMn alloys, 21:24815
- LYASHCHENKO, I. F. Effect of γ rays on reversion frequency of mutants in sunflower, 25:52267
  - Influence of the physiological state of irradiated sunflower seeds on the genetic effect of x rays, 22:21495
- LYASHENKO, A. G. Effect of radioisotopes on fish roe, 25:21563
- LYASHENKO, E. I. Calculation of angular distribution of neutrons in nuclear reactors, 23:47331
  - Methods of calculating fast reactors, 23:52454 (JPRS-48331, pp 82-105)
- LYASHENKO, L. V. Radiolysis of potassium and ammonium thiocyanates in ethyl alcohol, 22:37805
- LYASKIN, Yu. G. Calculation of efficiency of spherical β-radiation source, 23:6259 (BNL-tr-239)
  - Operating experience with the RS-2.5 radiation-chemical sulfochlorinator, 25:143
  - Radiation chlorination of kerosene, 21:45161
  - Radiation-chemical reactor for sulfochlorination of paraffin hydrocarbons PC-2.5, 22:51019
  - Radiolysis of alkanesulfonylchlorides in the process of radiation sulfochlorination of paraffin hydrocarbons, 23:4681
  - Use of electron accelerators for carrying out radiation chemical processes, 24:13919
- LYASOTSKAYA, V. S. Isothermal transformations in titanium—molybdenum alloys, 22:7021
- LYASS, F. M. Appliance for measuring intracerebral (CSF) pressure and calculated subarachnoid administration of radio-active isotopes, 23:45584
  - Clinical aspects of diagnostic uses of radioactive isotopes in USSR, 25:52128 (A/CONF.49/P-462)
  - Clinical radioisotopic diagnostics in USSR, 23:9981 (JPRS-44356, pp 30-40)
  - Destruction of hypophysis by interstitial irradiation, 24:27640
  - Influence of fractional local irradiation on the growth of experimental ependymoblastoma, 21:20334
  - Integral doses created by ^{133}Xe in intravenous administration, 21:8900
  - Permissible levels of irradiation of the organism in radioisotope diagnosis, 25:42552
  - Radiometry of iodine metabolism, 22:28550
- LYASS, M. Radioxenometer for radioisotope diagnosis of diseases and injuries of the spinal cord and spine, 21:30858
- LYAST, I. Ts. Radiometric determination of S, 23:21656
  - Radiometric determination of sulfur in liquids and gases. determination of sulfur in liquid, 21:25
- LYATSKAYA, A. M. Interpretation of Pc3,4 geomagnetic pulsations, 23:10540
  - Possible existence of stable charged-particle beams, 24:21680
- LYATSKII, V. B. Fine structure and polarization of PP (Pcl) at Lovozero, 22:15472
  - Interpretation of Pc3,4 geomagnetic pulsations, 23:10540
  - Magnetosphere and geomgnetic pulsations, 22:24131
  - Possible existence of stable charged-particle beams, 24:21680
  - Pulsations of PP type as Cherenkov radiation, 22:24130
  - Relationship between PP and variations of auroral luminescence, 21:46246
- LYBECK, H. Comparison of amounts of inorganic I recovered by paper electrophoresis of digested, homogenized, and intact rat thyroid lobes, 25:51989
- LYBERG, Mats Douglas Behavior of resonances for some simple potentials, 25:9894
- LYCHNIKOV, D. S. Estimation of the molecular weight of the anomalous component of modified water by a cryoscopic method, 24:20670 (ORNL-tr-2301)
- LYCKLAMA, H. Beta decay of ^{87}Kr, ^{88}Kr, and ^{88}Rb, 23:15397
  - Estimation of number of degrees of freedom of nuclear reaction widths distributions, 23:15506
  - Level structure of ^{88}Rb, 24:26602
  - Linearity measurement technique for analogue-to-digital converters, 22:14886
  - Reaction $^{40}Ar(n,\gamma)^{41}Ar$, 21:33925
  - Study of $^{28}Si(n,\gamma)^{29}Si$ and $^{35}Cl(n,\gamma)^{36}Cl$ reactions, 23:34740 (ANL-7282, pp 319-25)
  - Study of the $^{31}P(n,\gamma)^{32}P$ reaction, 21:44655
  - Study of the gamma radiation following thermal neutron capture by silicon, 21:25498
  - Thermal neutron capture in strontium, 24:13314
- LYDAY, R. O. Prog. rpt. on protection analysis and construction evaluation system, final, 1/13/65—1/15/66, 21:36558 (AD-650930)
- LYDEN, Anders Gustaf Stabilized high voltage supply unit, 22:47326

LYDEN, Anders Gustav Logarithmic current amplifier, 22:23340
LYDEN, E. F. X. Neutron inelastic scattering and x-ray studies of aqueous solutions of dimethylsulphoxide and dimethylsulphone, 23:19737
LYDIN, L. V. Reduction of sexual aggressiveness of male codling moths treated with tepa or gamma irradiation, 25:13557
LYDTIN, H. Pyrolytic graphite, 21:41642
LYE, R. G. Bonding, structure, and mechanical behavior of VC single crystals, 23:6749
  Magnetic susceptibility of vanadium carbide, 25:52968
  Radiation damage of ordered V_6C_5 by electron microscope beam bombardment, 23:22696
  Upper limit on electron—phonon interaction in vanadium carbide, 25:3034
LYERLY, R. L. Industrial sabotage in nuclear power plants, 24:16110
LYERLY, Ray L. Potential hazard of industrial sabotage in nuclear power plants, 23:17236 (SNE-51)
LYKHIN, V. A. Effect of deviations from stoichiometry on certain properties of the phase Nb_3Sn, 22:44062
  Effects of impurities on properties of the Nb_3Sn phase, 25:36039
LYKHIN, V. M. Effect of water on radiation chemical stability of crystalline $NaNO_3$, 25:54649
  Importance of thermal peaks in the radiation-induced decomposition of salts, induced by heavy charged particles, 21:12463
  Influence of additions of rare earth elements on the radiolysis of crystalline alkali metal nitrates, 23:17482
  Proton dosimetry in radiative chemical studies of ionic salts, 22:12652
  Proton radiolysis of alkali metal nitrates, 21:30467
LYKHMUS, Ya. Contractions of sympletic groups, 23:30774
  Some possibilities for generalization of contraction procedure for algebraic systems, 23:30775
LYKINS, J. D. Carrier distillation method for the determination of impurities in niobium oxide, 23:34
LYKKEN, G. I. Fermi velocity in single-crystal films of Pb, 25:9373
  Measurement of the superconducting energy gap and Fermi velocity in single-crystal lead films by electron tunneling, 25:43312
LYKOS, P. G. Two-center-expansion SCF calculations on acetylene and ethylene, 23:33167 (ANL-7446)
LYKOS, Peter G. Double configuration self-consistent field study of ^{1}PI/sub u/, ^{3}PI/sub u/, ^{1}PI/sub g/, and ^{3}PI/sub g/ states of H_2, 24:10371
LYKOUDIS, P. S. Magneto-fluid-mechanic channel flow. II, 21:29089
  Magneto-fluid-mechanic channel flow. I, 21:29090
  Magnetofluidmechanic laminar natural convection: an experiment, 23:1251
  Magnetofluidmechanic pipe flow in a transverse magnetic field. II, 25:45339
LYKOUDIS, Paul S. Solar loop prominences: a theoretical model, 22:844
  Turbulent magnetofluidmechanic flow in a pipe with axial field, 24:1314
LYKOUREZOS, P. A. P. Radiolysis of aqueous chromium and vanadium in their +2 and +3 oxidation states, 22:37792
LYKOV, A. V. Conference on heat and mass transfer, Minsk, 5/68. II, 25:41986
  High-temperature thermal physics, 24:3351
  Thermophysical characteristics of various heat-transfer agents and their determination methods, 21:39638
LYKOVA, L. N. Structure of $Y_{0.33}TaO_3$, $La_{0.33}TaO_3$, 22:19652
  X-ray diffraction study of some binary oxides of tantalum and rare earth elements, 25:38031
LYLE, A. R. 1969 status report on Omega west reactor, with revised safety analysis, 23:40393 (LA-4192)
LYLE, F. F. Jr. Investigation of cracking in nuclear reactor primary piping system, 25:42838 (CONF-710512-1)
  Surveillance and inspection programs for LACBWR reactor pressure vessel and associated piping and equipment corrosion program, 25:48136 (SWRI-1228-P-11-15)
LYLE, Fred F. Jr. Investigation of sensitization of type 304 stainless steel safe-ends, 25:55378 (SWRI-1228-P-7-40)
  Metallurgical investigation of cracking in LACBWR feedwater-inlet-nozzle safe-ends, 24:26690 (SwRI-1228-P-12-1)
LYLE, Robert Louis Short-wavelength approximation in general relativistic, kinetic, perturbation theory, 23:41895
LYLE, S. J. Chemical equilibria in americium and curium sulphate and oxalate systems and an application of a liquid scintillation counting method, 22:37818
  Complexes of La and Ac with fluoride, oxalate, and sulphate in aqueous solutions, 24:36361
  Convenient separation of fission product rhodium, 22:16667
  Cumulative mass yields from fission of ^{238}U by 3-MeV neutrons, 24:49898
  Delayed neutron yields from 14.8 MeV neutron induced fission of ^{238}U, ^{232}Th, and ^{231}Pa, 25:34150
  Equilibrium constants for aqueous fluoro complexes of Sc, Y, Am(III), and Cm(III), 24:2287
  Equilibrium distribution of Y ions, 24:31465
  Fine structure in nuclear fission. I, 23:44930
  Fine structure in nuclear fission. II, 24:1845
  Neutron induced fission of ^{231}Pa, 23:40052
  Partition of fluorocations of Sc, Y, La, Am(III), and Cu(III) between cation-exchanger and aqueous solution, 24:39034
  Preparation and properties of lanthanide complexes of some β-diketones, 23:35068
  Quantitative determination of ^{133}Xe and ^{135}Xe, 23:9341
  Radiochemical studies of fission induced by 14.7 Mev neutrons. III, 21:1111
  Reversed-phase partition chromatographic separations with H_2MEHP and HDEHP, 23:35268
  Separation of carrier-free silver from neutron-irradiated palladium, 22:40199
  Some chain yields in asymmetric fission of ^{232}Th, 23:4007
  Tin and antimony isotopes of mass 129 in fission, 21:46744
LYLES, Demetrice Irving Effects of x irradiation on embryogenesis, infectivity, and migratory behavior of the larvae of Toxocara canis (Werner, 1782) in white mice, 24:48670
LYLES, Samuel Pickles Jr. Lorentz ensembles in stochastic theory of space—time, 24:35714
LYMAN, F. A. Approximate analysis of anomalous skin effect in plasma, 25:40633
LYMAN, Harvard Ultraviolet inactivation and photoreactivation of chloroplast development in Euglena, 21:18186
LYMAN, J. T. Interaction of radiation and other environmental stresses in biological systems, 21:43533
  Killing and mutagenic efficiencies of heavy ionizing particles in Arabidopsis thaliana, 21:11127
  Mutation-induction and nuclear inactivation in Neurospora crassa using radiations, 22:12835
  Observations by human subjects on radiation-induced light flashes in fast-neutron, x-ray, and positive-pion beams, 24:50710 (UCRL-19868)
  Quality and LET dependence of three thermoluminescent dosimeters and their potential use as secondary standards, 23:7833 (CONF-680920-, pp 424-37)
  Quality and LET dependence of three thermoluminescent dosimeters, 23:31556 (AD-682198)
  Relative biological effectiveness of heavy ions in producing mutations, tumors, and growth inhibition in the crucifer plant, arabidopsis, 25:8800
  Responses in mutation, growth inhibition, tumorization, and isozyme multiplicity from exposing seeds to irradiations, 23:43906 (BNL-13763)
  Responses in mutation, growth inhibition, tumorization, 24:41823
  Some effects of accelerated charged particles on bacterial spores, 23:26967
  Tumor induction by heavy ionizing particles and x-rays in Arabidopsis, 23:31992
LYMAN, John Penetration of high-energy heavy ions, with inclusion of coulomb, nuclear, and stochastic processes, 22:45925 (UCRL-17392(Rev.))
LYMAN, John T. Delayed radionecrosis of the central nervous system, 23:8022 (UCRL-18066, pp 173-92)
  Dosimetry and apparatus for heavy ion irradiation of mammalian cells in vitro, 22:26752
  Heavy charged-particle beams, 25:24281
  Measurement of oxygen effect and biological effectiveness of a 910-MeV helium ion beam using cultured cells (T1), 25:16142 (UCRL-20190)
  Radiation environment parameters and the biophysicist, 22:8522 (CONF-670305-, pp 277-9)
  RBE and OER at various point on modified depth dose distribution of 910-MeV helium ion beam using cultured cells (Tl), 24:34320 (UCRL-19420, pp 93-5)
  Secondary-electron distribution for heavy ions, 21:5067 (UCRL-16405(Rev.))
  Secondary-electron distribution for heavy ions, 21:13352 (UCRL-16898, pp 87-96)
  Successful treatment of acromegaly: metabolic and clinical studies in 145 patients, 24:41940
LYMAN, R. Interaction of laser radiation with biologic systems. III, 22:4570
LYMAN, W. G. Ice condenser reactor containment system, 24:20590
LYMAN, W. J. Cosmic-ray production of rare gas radioactivities and tritium in lunar material, 24:21535
LYMAN, Walter G. Ice condenser reactor containment system, 22:32867
  Ice condenser reactor containment system, 23:28396
  Ice-condenser reactor containment system, 24:22375
LYMAN, Warren J. Evidence for angular momentum fractionation in compound nucleus decay, 24:49823
LYMAN, Warren John Evidence for angular momentum fractionation in the decay of compound nuclei, 24:47633
LYNAM, C. Plasmapause, plasma sheet, and energetic trapped electrons in Earth's magnetosphere, 23:27484
LYNAM, J. P. New rival for flash distallation, 22:51145
LYNAM, L. Examination of fuel and cladding in PWR-1 blanket rods, 21:12181
  Irradiation performance capabilities of oxide fuel rods, 21:1962 (WAPD-TM-574)
LYNCH, Anthony Vulnerability of developing brain: I. Some lasting effects of x-irradiation, 25:26946
LYNCH, C. T. Hafnium oxide, 24:48878
  High pressure hot pressing of oxides, 22:31511
  Mechanical properties of metal matrix composites, 25:47172
  Microhardness anisotropy, slip, and twinning in Mo_2C single crystals, 21:3553
  New ceramic materials from thermal and hydrolytic decomposition of metal alcoholates, 23:22637
  Phase stabilization of yttria—zirconia, 22:4901
  Preparation and mechanical properties of hot-pressed zirconia—zirconia fabric composites, 24:46781
  Refractory oxides from metal—organic compounds, 24:8175
  Selected problems in the analysis of refractory materials, 23:6677
LYNCH, Charles Transparent zirconia composition, 23:27179
LYNCH, D. F. Energy distributions of low-energy electrons scattered from [100] faces of NaCl and KCl, 21:16985
LYNCH, D. J. Zero-field quantum beats in Lyman-β radiation from beam—foil-excited hydrogen atoms, 25:45297
LYNCH, D. W. Optical properties of single-crystal cadmium, 25:33439
LYNCH, Daniel E. Improvement in New York City x-ray installations, 24:2745
LYNCH, David W. Optical properties of antiferromagnetic chromium and dilute Cr—Mn and Cr—Re alloys, 25:11987
LYNCH, Donald J. Radiative decay of coupled atomic states, 24:37276
LYNCH, E. D. Fabrication development of sol-gel particulate fuels, 24:30020 (CONF-700502-, pp 342-57)
LYNCH, Edward C. Iron kinetics using a linear scanner. I, 23:20125
LYNCH, Edward J. Flow of groundwater around nuclear craters, 22:168 (CBA-1229-F-4)
  Ground-water monitoring, 22:23185 (HNS-1229-43)
  Radioactivity materials around cavity of underground nuclear detonation, 21:30559 (HNS-1229-47(Suppl.1))
LYNCH, F. E. Heat transfer and fluid dynamic characteristics of rod-cluster-type nuclear reactor fuel elements, 24:26774 (ORNL-4356)
  Performance of experimental jet pumps under noncavitating and cavitating conditions, 22:24972 (ORNL-3745)
LYNCH, F. J. Coulomb excitation of low-lying excited states in ^{43}Sc, 21:38286
  Electric-quadrupole isomers in ^{90}Nb and ^{92}Tc, 25:39046
  Lifetime of the 11-keV level in ^{134}Cs, 24:13377
  Lifetimes of excited states of ^{51}V, ^{61}Ni, ^{69}Ga, ^{75}As, ^{79}Br, ^{85}Rb, and ^{123}Sb, 24:6879
  Radiative decay of d/sub $^5/_2$/-hole states, 24:52529
LYNCH, Francis W. Cutaneous cancer in Minnesota, 24:17152
  Sunlight protection in normal skin by absorptive filter chemically induced by Stratum corneum, 21:8883
LYNCH, Frank J. New liquid scintillators with faster response and higher efficiency, 23:2603
  New liquid scintillators with higher speed and efficiency, 22:40414
  Time dependence of scintillations and the effect on pulse-shape discrimination, 22:40415
LYNCH, G. Comparison of bubble chamber ionization measurements, 23:33515 (ANL-7515, pp 396-7)
  Ionization information from the spiral reader, 23:33514 (ANL-7515, pp 395)
LYNCH, G. P. Exchangeable-potassium and body-composition measurements in sheep, 23:22206
LYNCH, Gerald Review of the KN and anti KN total cross sections below 3.5 GeV/c, 25:1412 (UCRL-19844)
LYNCH, Gerald R. A2 duplicity: compilation of the amount of dipole structure observed in A2 meson experiments, 25:33554 (UCRL-20622)
  Efficient Monte Carlo event generation method for multiperipheral models, 25:59213
  Remarks on the use of the spiral reader, 21:28215 (UCRL-17328)
  Unsplit K*'s, 24:1520
LYNCH, Gerard A. Carcinoma of the cervix, 22:49528
LYNCH, H. L. Inelastic electron scattering from protons, 22:11614
  K/sub L/—K/sub S/ regeneration in copper, 22:50303
  Observation of time-dependent K/sub S/ and K/sub L/ interference in the $\pi^+\pi^-$ decay channel from an initial K_0 state, 22:44310
  Phase difference between K/sub L/ and K/sub S/ decay, 23:23344
LYNCH, Harvey Lee Inelastic electron scattering from hydrogen, 22:3343
LYNCH, J. Laboratory scale experiments into cavity and crater formation by high explosive charges, 25:297
  Peculiarities observed in the $\pi p \rightarrow K\pi\Lambda$, 25:40898
  Rainich's theory, 24:52203
  Rapid radiochemical separation of selenium, 23:4724
  Spherically symmetric, charged body in Rainich's already unified field theory, 25:937
LYNCH, J. E, Jr. Neutron scattering in normal and deuterated polyethylene, 22:18098
LYNCH, J. F. Engineering properties of selected ceramic materials, 21:34942
LYNCH, J. J. Reactants for the removal of iodine and methyl iodide and their application in foams, 23:2059 (NYO-841-14)
LYNCH, J. L. Reactants for removal of iodine and methyl iodide, 23:29143
LYNCH, J. T. Weak-field approximation in the already unified theory, 24:43009
LYNCH, John Edward Jr. Applications of the directional phonon frequency functions in neutron scattering investigations of high polymers, 23:7213
LYNCH, John H. Calculations to support operation of Plum Brook Reactor, 22:37537 (N-68-16056)
  Gamma heating in thin heavy-element absorbers, 23:5448
  Gamma heating in thin heavy-element absorbers, 23:21893 (N-68-37260)
  Measured thermal neutron flux perturbations in cylinders in a test reactor, 23:40397
  Predictive equations for thermal neutron flux perturbation effects in cylinders, 23:34707 (N-69-14481)
  Use of multiple regression to obtain predictive equations for thermal-neutron flux perturbation effects, 23:4359
LYNCH, M. A. Very-long-baseline interferometry of Jupiter at 18 MHz, 25:2880
LYNCH, M. J. Loss spectra of the second and third series transition metals, 23:6886
LYNCH, R. D. Analysis of ground motions and close-in physical effects, Rulison Event, 24:27254 (NVO-1163-206)
  Predicted San Fernando earthquake spectra: Glendale area, 25:54812 (NVO-1163-TM-30)
  Seismic response characteristics from underground nuclear detonations, 24:44150 (NVO-1163-203)
  Statistical relationship between band-pass filter and pseudo relative velocity spectra, 22:10418 (NVO-1163-88)
LYNCH, R. P. Comparison of the Yale, Reid, and Hamada—Johnston potentials in shell-model calculations, 21:15496

  New isotopes, ^{19}N and ^{21}O, produced in high-energy nuclear reactions, 23:1885
  Technique for observing small angle inelastic proton scattering, 22:16884
LYNCH, Robert Synchronized high speed scanning infrared spectrometer, 21:23166
LYNCH, Robert D. Application of non-stationary processes to generate synthetic seismograms, 23:16181 (NVO-1163-156)
  Building response to ground motion, 21:36182 (NVO-1163-67)
  Covariance analysis of response spectra, 25:37505 (NVO-1163-TM-24)
  Models for generating synthetic seismograms, 24:46379 (NVO-1163-217)
  PSRV prediction equations for Pahute Mesa events, 24:341 (NVO-1163-TM-8)
  Response spectra for Pahute Mesa nuclear events, 24:20919
LYNCH, Robert Hugh Effects of gas heating and volume recombination on electron density profiles in the positive column, 21:18656
LYNCH, S. S. Solid phase antibody systems, 24:29680
LYNCH, V. J. Chattanooga shale investigations, 22:18978 (BM-RI-6932)
LYNCHAK, K. A. Certain properties of germanides of praseodymium, 24:1031
  Obtaining neodymium digermanide, 22:28768
  Phases in La—Ge systems, 23:12338
  Some germanides of rare-earth metals, 22:10958
LYNDE, R. H. Isotope cisternography in the evaluation of patients with subarachnoid hemorrhage, 25:542
LYNDE, Richard Arthur Spectrophotometric study of the equilibrium formation, 24:50279 (IS-T-404)
LYNDEL-BELL, D. Galactic nuclei as collapsed old quasars, 23:41901
LYNDEN-BELL, D. Hartree—Fock exchange operator and stability of galaxies, 23:41874
  Origins of space—time and inertia, 22:9687
  Quasars, dust, and galactic centre, 25:45276
  Runaway centers, 23:30226
  Schoedinger operator criterion for the stability of galaxies and gas spheres, 23:32123
  Statistical mechanics of stellar systems, 24:21505
  Statistical mechanics of violent relaxation in stellar systems, 22:8903
LYNDEN-BELL, Donald Io, a Jovian unipolar inductor, 23:22865
LYNDIN, Vasiliy Vasil'evich Radioisotope instruments in metallurgy, 22:36050
LYNDON, R. F. Absorption of proline and cesium by aseptically cultured tissue, 21:14595
LYNDS, B. T. Dark nebulae, 22:49955
LYNDS, Beverly T. Diameters of open clusters, 22:49892
  Interstellar dust, 22:45877
  Interstellar matter in region of Perseus II association, 24:51272
  Space distribution of small dark nebulae, 22:34181
  Surface brightness of dark nebulae, 22:43746
LYNDS, C. R. Absorption spectrum of 3C 191, 21:13321
  Binary nature of Cyg X-2, 22:4970
  Line identifications in quasi-stellar objects, 23:16579
  New spectroscopic observations of twenty quasi-stellar sources, 21:16754
  Observations of quasi-stellar objects with absorption-line spectra, 22:36639
  Quasi-stellar source with a rapidly expanding envelope, 21:13324
  Recording phase-resolved spectra of regularly faint light sources, 24:51314
  Spectroscopic observations of Cyg X-2, 21:39752
  The M87 jet. II, 24:15099
  Two new Seyfert galaxies, 22:29033
LYNDS, C. Roger Absorption lines of quasi-stellar objects, 25:4919
LYNDS, R. Improved photographs of the NGC 1275 phenomenon, 24:19680
  Observations of pulsar NP 0532, 23:14509
  Optical counterpart for pulsar CP 1919 + 21, 22:38661
  Photometric selection of quasi-stellar objects, 23:14496
  Pulsar hunter: tests on NP 0532, 24:42401
  Spectroscopic and photometric data for a sample of quasi-stellar objects, 22:29032
  Spectroscopic observations of Scorpius X-1, 25:11600
  Spectroscopic observations of some suggested quasi-stellar sources, 22:41180
  Spectroscopic observations of the pulsar NP 0532, 23:39157
  Unusually large redshift of 4C 05.34, 24:27992
LYNDS, Roger Absorption-line spectrum of 4C 05.34, 25:16671
  Nature of galaxy identified with 3C 386, 25:52574
  Optical identification of Vela pulsar, 25:7000
LYNE, A. G. Characteristics of the radio pulses from the pulsars, 25:58545
  Further impulsive emission from CP 0950, 22:34149
  Linear polarization in pulsating radio sources, 22:23964
  Measurement of the distance of Pulsar CP 0328, 23:1098
  Measurements of the pulse shape and spectra of the pulsating radio sources, 22:29058
  Mode changing in pulsar radiation, 25:58569
  Polarisation of the radio pulses from the Crab Nebula pulsar, 24:17501
  Pulsating radio source at α = 19/sup h/19/sup m/, delta = + 22°, 22:19717
  Radio observations of five pulsars, 22:52336
LYNE, Benjamin J. Lymphopenia induced by splenic interstitial irradiation, 21:20387
LYNEAN, J. T. Radiation-induced light flashes observed by human subjects in fast neutron, x-ray, and positive pion beams, 25:47015
LYNEN, U. Analog transitions observed in ^{43}Ca(^{3}He,α) reaction and spin assignments to ^{42}K levels, 23:21295 (ZFK-130, pp 108-9)
  Angular distributions of ^{90}Zr(d,p) reaction and coupling of analogous (d,p) and (d,n) channels, 21:17359
  Anomalous spectroscopic factors for ^{40}Ca(^{3}He,α)^{39}Ca as compared to other pickup reactions on Ca isotopes, 22:35268
  Antiprotonic atoms, 25:1397
  DWBA reaction ^{54}Cr(^{3}He,α)^{53}Cr, 22:20531
  Elastic scattering of ^{3}He and α-particles of 16 and 19.5 MeV from several nuclei between ^{40}Ca and ^{64}Zn, 21:9993
  Investigation of particle-hole states in Ca isotopes by (^{3}He,α) and (^{3}He,d) reactions, 22:26981
  Investigation of the reactions ^{43}Ca(^{3}He,α)^{42}Ca and ^{41}K(d,p)^{42}K, 23:21318
  Natural line width and energy shift of the K-mesonic transition in sulphur, 24:42884
  Nuclear γ-rays following μ-capture, 24:52497
  Observation of antiprotonic atoms, 25:47798
  Observation of γ-rays from the excited states of hypernuclei, 25:53033
  Particle-hole states in ^{41}Ca and analog states of ^{41}K, observed in ^{42}Ca(^{3}He,α) reaction, 21:38293
  Particle-hole states in Ca isotopes by (^{3}He,α) and (^{3}He,d) reactions, 22:39603 (CONF-670970-, pp 147-59)
  Reaction (p,t) on ^{42}Ca, ^{44}Ca, and ^{48}Ca, 25:5677
LYNEN, Uli Planned experiment for the investigation of hypernuclear γ rays, 24:47354 (CONF-690557-(Vol.1), pp 193-5)
LYNGA, G. Blue objects near Cen X-2, 22:49902
  Distribution of OB stars in Southern Milky Way, 25:9026
  Galactic lane with low absorption, 23:34238
  Nature of ultraviolet object in Sagittarius, 22:41166
  Optical search for x-ray sources in Sagittarius, 22:36641
  Radio emission from flare stars near the Orion Nebula, 24:10226
LYNGA, Goesta Photographic observations of WX Cen, 22:52471
LYNGBORG, Kjeld Determination of mitral regurgitation by infusion of ^{85}Kr, 22:527
LYNGGARD, B. System for horizontal bending of the electron beam of the linear accelerator, 24:15720 (RISO-M-974)
LYNK, E. T. Prog. rpt. on research in experimental and theoretical nuclear physics, annual, 7/15/71, 25:59841 (ORO-4119-1)
LYNK, Mary E. Turnover of ^{109}Cd in rats, 23:22193
LYNN, J. C. Effect of the irradiation of nuclear fuel on the internal dosimetry of plutonium, 25:37818 (EUR-4612, pp 363-82)
LYNN, J. E. Interpretation of neutron-induced fission cross sections and related data, 22:18349
  Progress in understanding neutron interactions with nuclei, 25:15206
  Structure effects in nuclear fission, 24:24662
  Structure in sub-threshold fission modes, 23:19320 (AERE-R-5891)
  Structure phenomena in near-barrier fission reactions, 24:30907
  Theory of neutron resonance reactions, 22:32700
LYNN, J. J. Superprompt critical behavior of a uranium—molybdenum assembly, 22:6108
LYNN, J. W. Relay control of Universities' research reactor, 22:12104
  Spatial instabilities in a two-zone reactor, 22:42399
LYNN, John W. Radiation-induced graft polymerization of flexible polyurethane foam, 22:6351
LYNN, K. J. W. Interpretation of transequatorial vlf sunrise observations, 24:17839
LYNN, K. R. Effects of γ-radiation on dilute solutions of trypsin, 25:42271
  γ-irradiation of dilute solutions of chymotrypsin: protein substrates, 25:18907
  X- and γ-irradiation of dilute solutions of chymotrypsin, 23:29382
  X- and γ-irradiation of dilute solutions of chymotrypsin, 23:35647
  X- and γ-irradiation of dilute solutions of chymotrypsin in atmospheres of air and nitrogen: effects on activity toward various substrates, 24:46588
  X- and γ-radiolysis of some tryptophan dipeptides, 25:4114
LYNN, L. L. Analysis of a waterlogged fuel element subjected to a power excursion, 22:30170
  Combined space—time synthesis model, 22:32830
  FIGRO (Addendum II): CDC-6600 computer program for analysis of swelling and calculation of temperature in bulk-oxide cylindrical fuel elements, 24:29019 (WAPD-TM-618(Add.2))
  FIGRO: Fortran IV digital computer program for analysis of fuel swelling, 21:14116 (WAPD-TM-618)
  FIGRO: program for analysis of fuel swelling and calculation of temperature in fuel elements, 22:16324 (WAPD-TM-618(Add.1))
  GLUB-1: computer program for waterlogged fuel element analysis, 21:14115 (WAPD-TM-569)
  Reactions (^{3}He,d) and (^{3}He,p) to states in ^{54}Mn, 23:49368
  WATER: thermodynamic and transport water property FORTRAN-IV computer program, 21:10540 (WAPD-TM-568)
LYNN, LeRoy L. Computer program for nuclear reactor design water properties, 21:38472 (WAPD-TM-680)
LYNN, M. Ionizing radiations in forests and forestry, 22:47499
LYNN, P. P. Finite element analysis of plate bending with transverse shear deformation, 25:18575
LYNN, R. L. Infrared imaging of heated effluents: phosphor response study, 22:9422 (EGG-1183-2151)
  Spectroradiometric detection of effluents, 24:4394 (PNE-954)
LYNN, Y. M. Discontinuities in an anisotropic plasma, 22:1213
  General two-dimensional steady magnetogasdynamic flows, 22:41425
  Well-posedness criteria for one-dimensional unsteady flow of an anisotropic plasma, 24:35428
LYNNWORTH, L. C. Nuclear reactor applications of new ultrasonic transducers, 25:57898
  Prog. rpt. on ultrasonic measurement of core material temperature, final, 3/70, 25:23364 (N-70-42181)
  Prog. rpt. on ultrasonic temperature measuring device, 21:34553 (N-67-19914)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 10—12/67, 22:14139 (NYO-3906-1)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, quarterly 1/1/68—3/31/68, 22:28209 (NYO-3906-2)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 4—6/68, 22:53281 (NYO-3906-3)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 6/69, 23:38351 (NYO-3906-7)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 12/69, 24:14352 (NYO-3906-9)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 10/69, 24:14351 (NYO-3906-8)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 3/70, 24:29595 (NYO-3906-10)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 7—9/70, 25:18830 (NYO-3906-12)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 3/69, 25:42189 (NYO-3906-6)
  Prog. rpt. on ultrasonic thermometry in LMFBR systems, 12/68, 25:55078 (NYO-3906-5)
  Ultrasonic thermometry for LMFBR systems, 25:2503 (NYO-3906-4)
  Ultrasonic thermometry in LMFBR systems. Progress report covering the quarter ending June 30, 1970, 24:41024 (NYO-3906-11)
LYNNWORTH, Lawrence C. Ultrasonic testing of solids at elevated temperatures, 23:33355
LYNTON, E. A. Superconductivity, 23:18541
  Type II superconductors, 21:43948
LYNTON, H. Preliminary investigation of an 8-quinolinol complex of U(VI), 22:18768
LYON, A. J. North—south ionospheric drifts near the magnetic equator, 23:1270
LYON, C. E. Examination of sol-gel UO_2 surfaces, 23:30188
  Investigations on porous UO_2 spheres made by sol-gel process, 24:30023 (CONF-700502-, pp 510-20)
  Urania aggregate and spheres by a sol—gel route, 23:3130
  Urania-preparation of sols, aggregate, and spheres, 21:9212 (AERE-R-5241)
LYON, D. E. Jr. Angular distribution of multiparticle events at high energy, 24:49538
  Angular distribution of secondaries from proton—proton interactions above 90 GeV, 25:33539
  Ionization spectrometers using iron and scintillators, for detection of hadrons in 100 to 1000 GeV range, 21:32371 (MURA-725)
  Search for massive particles in cosmic rays, 22:11566
LYON, D. N. Cryostat for studies at approximately 100 kilobars at liquid helium temperatures, 21:37365
LYON, Donald E. Jr. Angular distributions from multiparticle production models, 25:14661
LYON, Donald Edward Jr. Antiproton—proton annihilation into four and five pions, at 2.7 BeV/C, 21:9705
LYON, E. F. Detached lunar compression wave, 23:10381
  Explorer 35 plasma measurements in the vicinity of the moon, 22:5232
LYON, G. F. Acoustic waves in the ionosphere, 23:27469
  Irregularities in the lower ionosphere deduced from beacon satellite observations, 23:12654
  Isolated field-aligned irregularity, 23:42067
  Mid- to high-latitude ionospheric electron content, 25:9287
  Some evidence concerning the distribution of irregularities responsible for radio aurora, 22:29368
LYON, G. L. Chromium-51 distribution in tissues and extracts of Leptospermum scoparium, 24:46570
  Chromium-51 transport in xylem sap of Leptospermum, 24:31834
LYON, Hylan Benton Jr. Low-energy electron diffraction study of low-index platinum single crystal surfaces, 21:41603 (UCRL-17549)
LYON, J. F. DCX-2 microinstability studies, 22:52827 (CONF-671127, pp 98-143)
  Effect of microinstabilities on a hot-ion plasma, 23:32466
  Use of a hot-electron target plasma for accumulation of energetic ions in stabilized magnetic mirror traps, 25:38363 (CONF-710607-92)
LYON, L. D. Myocardial blood flow and ^{86}Rb clearance in left atrium, 21:32573
LYON, L. L. Thermal expansion of extruded graphite—ZrC carbide composites, 25:11512
LYON, M. F. Dose-response curve for x-ray-induced translocations in mouse spermatogonia. I, 24:50851
  Gene and chromosome mutation after radiation doses to mouse spermatogonia, 23:31716
  Induction of translocations in mouse spermatogonia by x-ray doses, 24:21117
LYON, Mary F. Autosomal translocations causing male sterility and viable aneuploidy in the mouse, 21:10841
  Dose-response curve for the yield of translocations in mouse spermatogonia after repeated small radiation doses, 25:13404
  Species comparisons concerning radiation-induced dominant lethals and chromosome aberrations, 25:16103
  X-ray-induced dominant lethal mutations in male guinea-pigs, hamsters, and rabbits, 24:50858
LYON, R. J. Tritium concentrations in food, 1967—1968, 24:34196
LYON, R. J. P. Remote sensing in exploration for mineral deposits, 25:8378
LYON, R. Y. Use of neutron detectors in continuous solvent extraction control, 21:3143 (ISO-SA-28)
LYON, Richard N. Earthquakes and nuclear power, 23:49578
LYON, Theodore R. Rare-earth analysis by rotating platform, silver-spark technique, 23:37
LYON, W. D. Comment on approximate molecular orbitals. III, 22:41377

LYON, W. G. Thermodynamics of semi-metallic compounds, 21:39705 (COO-1149-96)

Thermodynamics of semi-metallic compounds, 22:31464

LYON, W. L. An electrical probe for checking homogeneity in mixed-oxide fuel pellets, 21:38755

Micro-thermobalance for the analysis of irradiated nuclear fuels, 21:23829

Solid—liquid phase diagram for the UO_2—PuO_2 system, 21:26919

LYON, W. S. Basic concepts of activation analysis, 23:11446 (CONF-671111-, pp 439-54)

Decay of ^{103}Pd—/sup 103m/Rh, 23:25936

Forensic applications of neutron activation analysis, 22:4003

Manganese bath measurements of eta of ^{233}U and ^{235}U, 21:7767 (CF-60-2-84)

Neutron activation analysis of brain, 24:118

Neutron activation analysis of the Allende meteorite, 23:31308

Nuclear and radiochemical analyses, 22:14433 (ORNL-4196, pp 66-89)

Nuclear and radiochemistry, 24:13777 (ORNL-4466, pp 62-88)

Nucleonics, 22:25311

Nucleonics, 24:27022

Physical techniques of activation analysis, 23:4559

Prog. rpt. on analytical chemistry, annual, 9/30/70, 25:10423 (ORNL-4636)

Sodium removal in neutron activated brain, 23:35583 (ORAU-107, pp 245-8)

LYON, Ward L. Preparation of a filterable co-precipitate of plutonium and uranium, 21:520

LYON, Warren C. Radioisotope generators (100 to 1000mW), 22:10514

Terrestrial radioisotope fueled kilowatt power systems, 21:41159

LYON, William S. Mercury in the environment: the human element, 25:18290 (ORNL-NSF-EP-1)

LYONS, Arnold Radical approach to hypophysectomy, 21:12900

LYONS, B. J. Radiation crosslinked ionomers and polyethylenes, 22:6348

LYONS, Bernard J. Unsaturation changes and other radiolytic reactions in polyethylene. II, 22:23066

LYONS, J. D. Evaluation of integrals required in scattering theory. I, 24:12652

Magnetoelectric susceptibilities of S-state atomic systems, 21:43828

Search procedure for multichannel resonances in electron—atom scattering, 25:55861

LYONS, J. E. Stereochemistry of asymmetric silicon. XV, 24:7429

LYONS, J. M. Corrosion of steels in the vicinity of a sodium—water reaction, 21:30972

LYONS, James Dennis Magneto-electric susceptibilities and field-induced quadrupole moments of S-state atomic systems, 22:5138

LYONS, Joseph H. Abnormal pulmonary perfusion associated with pulmonary emboli. I, 24:12155

LYONS, L. Fitting $K^-p \rightarrow$ anti $K^0 \pi^-p$ with a generalized Veneziano model, 25:3391

K^-p charge-exchange scattering at 3.5 GeV/c, 21:3999

Kinematics of momentum transfers in many-body final states, 22:48316

Multiparticle final states produced in K^--proton interactions at 6 GeV/c, 25:40892

Production characteristics of reaction $pp \rightarrow pn\pi^+$ at 7 GeV/c, 24:49541

Production mechanism of some 6 GeV/c K^-p interactions, 23:27755

Proton—proton interactions at 6 GeV/c, 22:32058

Reaction $K^-P \rightarrow \Lambda K^+K^-$ and the generalized Veneziano model, 25:28042

Reaction $pp \rightarrow N^* p\pi^-$ at 6 GeV/c, 23:13030

Reaction $pp \rightarrow pn\pi^+$ at 7 GeV/c, 24:18223

Slope of the momentum transfer distribution, 25:30900

Study of angular correlations in 3-body final states, 22:3420

LYONS, L. R. Equatorial anomaly during a period of declining solar activity, 23:51472

Magnetospheric reflection of whistlers, 25:14120

LYONS, M. E. Prog. rpt. on power reactor high performance UO_2 project, 7—10/66, 21:22903 (GEAP-5402)

LYONS, M. F. Alpha and β—γ autoradiography of high performance pellet and powder fuel, 21:36914 (GEAP-5100-7)

Development of improved light water reactor fuels, 25:39250 (A/CONF.49/P-80)

Development of UO_2 microstructures during irradiation at high heat ratings, 21:28861 (GEAP-4667)

Dimensional changes in high performance powder and pellet fuel rods, 24:10193 (GEAP-5100-8)

First pinhole fuel rod failure during central melt operation: assembly EPT-12C-A, 22:16281 (GEAP-5100-K)

High burnup irradiation of powder and pellet UO_2 fuel rods at peak heat fluxes up to 1.3 x 10^6 Btu/h-ft^2, 22:17186 (GEAP-5100-M)

High performance UO_2 program, 22:16279 (GEAP-5100-2)

High performance UO_2 program, 22:35457 (GEAP-5100-6)

Irradiation of 0.5 inch diameter, solid pellet UO_2 fuel rods, 21:18351 (GEAP-5100-B)

Irradiation of 0.5 inch diameter, vibratory compacted powder UO_2 fuel rods, 21:5015 (GEAP-5100-I)

Irradiation of 0.5 inch diameter, vibratory compacted powder UO_2 fuel rods to 1.0 x 10^6 Btu/h-ft^2 peak heat flux: assembly EPW 6/8V, 22:16280 (GEAP-5100-H)

Irradiation of swaged powder UO_2 fuel rods, 22:4868 (GEAP-5100-G)

Microstructures developed in ceramic nuclear fuel, 23:1059

Power reactor high performance UO_2 program: fuel design summary and program status, 22:22698 (GEAP-5591)

Prog. rpt. on power reactor high performance UO_2 program, 4—6/69, 23:46148 (GEAP-10042)

Second pinhole fuel rod failure during central melt operation: assembly EPT-12C-B, 22:16282 (GEAP-5100-L)

Tensile coupon irradiation technique, 21:19865 (CONF-660511-, pp 1.1.1-6)

LYONS, Mark F. Method of operating a nuclear reactor, 23:40376

Nuclear fuel tests, 22:6164

Performance of UO_2 fuel with central melting, 21:22937 (TID-23665)

Performance of UO_2 fuel with central melting, 23:8358

LYONS, P. B. Stellar reaction rates for ^{28}Si, 24:19577

Total absorption ionization chamber for 1.5-10 keV x-rays, 25:32215 (LA-4568)

Total absorption ionization chamber for 1.5 to 10 keV x rays, 25:48942

Total yield measurements in $^{24}Mg(\alpha,Si$, 23:34762

Total yield measurements in $^{27}Al(p,\gamma)^{28}Si$, 23:34761

LYONS, Peter B. Stellar rates for $^{28}Si(\alpha,\gamma)^{32}S$ and $^{16}O(\alpha,\gamma)^{20}Ne$ reactions, 25:55704

LYONS, Peter Bruce Yield measurements for $^{24}Mg(\alpha,\gamma)^{28}Si$ and $^{27}Al(p,\gamma)^{28}Si$ reactions, 25:14951

LYONS, R. H. Corporate model of an electric utility, 23:33015

LYONS, V. A. Machine coolant selection and maintenance manual, 25:51257 (BDX-613-205(Rev.))

LYRA, F. H. Angra Nuclear Power Plant. Its impact on technological activities in the country, 25:54337 (A/CONF.49/P-801)

LYS, J. Cross sections for reactions anti $pp \rightarrow \pi^+\pi^-$ and K^+K^- near 2 GeV/c, 23:5529

Direct-channel resonances in antiproton—proton elastic scattering, 24:13053

Doubly charged mesons in anti pp annihilations into pions near 1.9 GeV/c, 25:9643

Resonance formation in antiproton—proton elastic scattering from 1.6 to 2.2 GeV/c, 22:52933

LYS, L. A. A gas-cooled fast reactor using a direct cycle gas turbine, 24:24798

Design of gas cooled fast reactors with direct cycle gas turbines, 23:13367 (EIR-141)

Gas cooled fast reactor using a direct cycle gas turbine, 24:16121 (EIR-163)

Gas turbine fast reactor design, 23:43142

Gas turbine power conversion systems for helium cooled breeder reactors, 24:36055 (EIR-181)

Gas-cooled fast breeder reactor, 25:54013 (A/CONF.49/P-116)

Heat exchangers for gas turbine fast reactors, 25:20775

Heat exchangers for gas turbine fast reactors, 25:23724 (EIR-187)

Nuclear application of the Loeffler power cycle, 23:17242

Optimization of gas-cooled fast reactors, 25:34324

Optimization of the primary piping and the steam generator for gas-cooled nuclear reactor systems, 21:4649

Parametric studies of gas cooled fast reactors, 23:17204

Straight steam cycle for GCFBR, 23:21507

UoV, procedure for design calculations of SGHW-type reactors, 24:20641

LYS, Leo A. Problem of thermal analysis of the core of a steam-cooled pressure-tube power reactor, 21:23645

LYSAK, Yu. D. Study of a tissue-equivalent spherical proportional counter, 25:57853

Tissue dosimetry of radiation generated by high energy accelerators, 24:23026 (ORNL-tr-2286)

Tissue dosimetry of radiations generated by high-energy accelerators, 24:9695 (JINR-P16-4765)

LYSAKOWSKA, J. Morphology of radiation-induced changes in breast cancer, 23:38876

Radiation-induced changes in axillary lymph nodes in breast cancer treated preoperatively with x rays, 23:38874

LYSAKOWSKA, Janina Morphology of post-irradiation changes in breast cancer, 22:30981

Post-irradiation changes in axillary lymph nodes in breast cancer preoperatively treated with x rays, 22:30987

LYSCAR, J. Neutron measurement device with a wide dynamic range, with combination of pulse and fluctuation techniques, 25:23768 (CEA-N-1425)

LYSCAR, Jean Measurement of neutron flux by the fluctuation method, 25:15883 (CEA-R-4119)

LYSELL, G. Some irradiation studies of fuel clad interaction and clad cracking, 25:54283 (A/CONF.49/P-315)

LYSENKO, A. A. Mass-spectrometric ion source for high-temperature investigations, 25:55081

LYSENKO, L. A. Investigation of phase equilibria and crystal structure of compounds in the system Ti—Fe(Co,Ni)—Si, 23:30183

LYSENKO, M. A. Ion heating in a mirror trap, 24:49111

LYSENKO, N. G. Determination of the surface charge of germanium alloyed with radioactive antimony, 23:7048

LYSENKO, O. E. Equilibrium of plasma ellipsoids in external high-frequency field, 24:40112

Equilibrium of rotating ellipsoid in hf fields in constant magnetic field, 24:1411

Plasmoid motion in an axially symmetric spatially periodic magnetic field, 24:49176

Scattering of electromagnetic waves on ellipsoidal plasma formations in the atmosphere, 24:49223

Stability of an incompressible equilibrium plasma ellipsoid, 25:43392

LYSENKO, S. A. Conditions for the complexometric determination of niobium, 21:45060

LYSENKO, S. E. Investigations of plasma confinement and heating in Tokamak T-4 device, 25:38337 (CONF-710607-31)

LYSENKO, V. I. Polarographic determination of selenium and tellurium, 24:41193

LYSENKO, V. S. Radiation-type centers generated by bombardment of real Ge surface, 25:7453

LYSENKO, Z. V. Data transmission in measurement-computing complex of the Joint Inst. for Nuclear Research, 25:18845

Spectrometric measurements with Minsk-2 computer, 23:11906

LYSIKOV, B. V. Testing of organosilicate press-material in reactor, 25:13330

LYSIKOV, V. N. Methods of experimental mutagenesis, 24:682

Radiation and chemical mutagens, 23:50424

Use of various biophysics methods in selective-genetics studies, 23:35590

LYSIKOV, Yu. A. Nanosecond pulse shaper of the scintillation transducer, 22:6583

LYSINA, G. G. Oxygenation in persons working with ionizing radiation for long periods, 24:27603

LYSKOVA, T. I. Effect of uv radiation on cell division and glycolysis, 21:26358

LYSKOVICH, A. B. Effect of shallow trapping levels on x-ray luminescence properties of sodium iodide, 21:27239

Luminescence of sodium iodide activated by europium, 21:10670

Scintillation characteristics of pure and activated cadmium iodide crystals, 25:18665

Scintillation spectrometry of soft x-ray radiation, 25:29350

LYSLO, G. Singly excited states of two-electron systems, 25:16836

LYSLO, Gudmund Variational perturbation theory calculations, 23:18375 (AD-674295)

Variational perturbation theory study of some excited states of two-electron atoms, 24:32680

LYSOGOROV, N. V. Ultrastructure of some tissues in protracted ^{54}Mn radiation effect, 22:38452

Ultrastructure of thrombocytes during exposure to ^{54}Mn, 24:14583

LYSOV, B. A. Photoproduction of the electron—positron pair in external magnetic field, 23:12592

Two-photon annihilation of an electron—positron pair in an external magnetic field, 22:52495

LYSOV, B. S. Studies of niobium pentachloride reduction by hydrogen, 21:34873

LYSOVA, L. A. Properties of titano—magnesium and titano—beryllium oxide energy absorbers of superhigh-frequency vibrations, 22:1343

LYSTER, M. K. Accelerator cooling-system design and economics, 23:28091

LYSTSOVA, G. V. State of vital activity during periods of acute radiation sickness in dogs, 25:591

LYSYAKOV, V. N. Resonant extraction of the proton beam from Dubna synchrophasotron, 22:32287 (CEAL-2000, pp 336-42)

LYSYKH, A. P. Decay of PbN_6 monocrystals under action of x rays, 22:42764

Radiolysis of monocrystals of lead azide, 23:4701

Topography of the evolution of the radiolysis products of lead azide (PbN_6), 25:54642

LYTH, D. H. Collins—Johnson bootstrap calculation of J = 1 $\pi\pi$ scattering amplitude, 25:33713

Dual partner for Pomeranchukon, 24:18181

Fixed-t dispersion relations for pion photoproduction in the second resonance region, 25:12146

Formulations of the rho bootstrap, 22:15766

High-energy data on charged-pion photoproduction, 25:22732

Mathematics of the N/D method, 24:52237

$N^*(1400)$ and the n-p mass difference, 24:1537

Parity doubling, asymmetric fermion trajectories, and low-energy πN dynamics, 22:20270

Parity twins and Carlitz—Kislinger model, 25:1651

Process $\gamma\gamma \rightarrow \pi\pi$ at low energies, 25:40931

Role of Levinson's theorem for partial waves with $l > 0$, 21:972

Semi-phenomenological calculations with partial-wave dispersion relations, 22:29710

Shape of the rho($\pi\pi \rightarrow \pi\pi$ and e anti e $\rightarrow \pi\pi$), 25:40990

Static model vs quark model ($\pi\Delta$ scattering), 25:53198

T-invariance of bootstrapped currents, 21:18958

Test for $N^*(1400)$ dominance of nucleonic form factors, 22:15733

LYTKIN, B. Fuel utilization efficiency in fast power reactors, 25:48279

LYTKIN, L. K. Effects of radiation on the separation of binary liquid solutions, 22:48877 (JINR-P13-3943)

Electric discharge of gas bubbles in liquids, 25:2485 (JINR-P13-5277)

Modeling of magnetic system of JINR phasotron with spatial field variation, 25:1667 (JINR-P9-5246)

Stratification effects in binary liquid solutions induced by radiation, 23:13798

LYTKIN, V. B. Cost of generating electricity in fast reactors using Na coolant, 24:29026

Effectiveness of fuel utilization in fast power reactors, 25:34384 (JPRS-53069, pp 147-55)

Efficient utilization of fuel in nuclear fast power reactors, 25:54135 (A/CONF.49/P-709)

Possible application of "calculated costs" method to choice of fast reactor characteristics, 21:21804

LYTLE, C. D. Enhancement of viral transformation by ultraviolet light, 25:13552

Host-cell reactivation in mammalian cells. I, 25:47055

LYTLE, C. David Frequency of single-strand breaks per lethal γ-ray hit in DNA, 23:24572

Intracellular development of bacteriophage phiX174 inactivated by γ-ray, 23:35689

Ultraviolet light enhanced reactivation of a mammalian virus, 25:4727

LYTLE, Carl David Bacteriophage development after irradiation, 23:43703

LYTLE, Charles F. Bibliography on radioecology, 23:9907 (TID-3915)

LYTLE, F. W. X-ray telescope using asymmetric bragg crystal-plane diffraction, 22:36029 (D-1-82-0720)

LYTLE, Farrel W. Diffraction techniques for x-ray astronomy, 23:39248 (D-1-82-875)

LYTLE, Fred E. Solution luminescence of metal complexes, 24:31317
LYTLE, William O. Statistical relationship of brain scans, cervicocranial dynamic studies, and cerebral arteriograms, 25:55281
LYTTKENS, I. Displacement of radiation sources, 23:19969
LYTTKENS, L. Spectrometry for determination of isotopic mixtures, 25:4031
LYTTLE, J. Binary multiphase diffusion in metallic systems. I, 22:658 (NYO-3814-1)
LYTTON, Jack L. Prog. rpt. on relationship of nitrogen content on susceptibility of austenitic stainless steels to stress corrosion, 6—8/70, 25:619 (TID-25554)
  Prog. rpt. on relationship of nitrogen content to susceptibility of austenitic stainless steels to stress corrosion, 9—11/70, 25:20898 (TID-25664)
LYUBARSKII, G. Ya. Application of group theory in physics, 22:39448
  Theory of low-intensity shock waves, 22:9160
LYUBARSKII, M. G. Nonlinear theory of interaction of relativistic and nonrelativistic beams with plasma, 25:38429 (CONF-710607-61)
LYUBASHEVSKII, N. M. Assessment of isotopes in tissues of organism, 22:49204
  Binding ^{90}Sr, ^{91}Yb, and ^{137}Cs by blood serum proteins, 24:571
  Deposition of osteotropic radioisotopes, 25:32342
LYUBAVIN, Yu. P. Gamma radiation of uranium and its daughter products in radioactive ore bodies, 21:193 (AEC-tr-6830)
  UNG-2 accelerating tubes in borehole neutron generators, 24:6808
LYUBCHANSKII Sequelae of ^{239}Pu inhalation, 23:50621
LYUBCHANSKII, E. R. Behavior and distribution of ^{239}Pu in rat, 24:25370
  Behavior of ^{239}Pu and injury of skeleton and liver of rats, 25:23986 (AEC-tr-7195, pp 376-87)
  Behavior of ^{239}Pu in rats after single inhalation of some of its chemical compounds, 22:14954
  Behavior of citrate complex of ^{239}Pu in rats, 25:23965 (AEC-tr-7195, pp 153-60)
  Content and microdistribution of ^{239}Pu and morphological changes in lungs of rats intratracheally administered this isotope, 23:22165 (AEC-tr-6944, pp 122-30)
  Experimental substantiation of maximum permissible content of ^{239}Pu in human organism and in air of work premises, 23:22270 (AEC-tr-6944, pp 548-80)
  Influence of prophylactic inhalation of pentacin on remote aftereffects of ^{239}Pu inhalation, 25:16113 (AEC-tr-7172)
  Morphological changes in lungs of rats after inhalation of large doses of soluble ^{239}Pu compounds, 23:24727
  Problems of plutonium toxicology, 25:8594 (LF-tr-41)
  Problems of Pu toxicology, 23:35606
  Use of DTPA aerosol for prophylaxis of rats chronically inhaling ^{239}Pu, 23:8039
  Using Na_3Ca DTPA (pentacin) to eliminate ^{239}Pu from the organism of the rat with inhalation poisoning, 23:22271 (AEC-tr-6944, pp 592-8)
LYUBCHIK, Ya. G. Optical diagrams of prism spectrometers with quadrupole lenses, 22:45323
LYUBENKO, A. N. Control system of Dubna monoenergy cyclotron, 25:31099
LYUBENOV, I. Characteristics of the estrous cycle after x irradiation of the diencephalon region in female rats, 25:44927
LYUBIMOV, A. A. Change in physical chemical state of radionuclides in sea water, 24:7719
LYUBIMOV, A. L. Influence of background charge on spark chamber efficiency, 22:30861
  Quark model of backward scattering, 21:4041 (JINR-E1-2941)
  Quark model of backward scattering, 21:9806
  Scattering of high-energy particles at high momentum transfer, 22:13660
  Structure in elastic backward π^+p-scattering, 21:7464 (JINR-P1-3008)
LYUBIMOV, A. N. Nuclear magnetic resonance in polymers, 21:27987
LYUBIMOV, A. S. Radiocolloids in sorption systems. V, 21:4493
  Radiocolloids in sorptive systems. IV, 21:3053
LYUBIMOV, B. Ya. Knudsen low-voltage discharge with a hot cathode, 22:3040 (IAE-1160, pp 15-28)
  Knudsen low-voltage discharge with hot cathode, 21:37225
LYUBIMOV, G. A. Application of injection of neutral gases for protection of electrodes of MHD apparatuses, 23:51424
  Effect of inblowing of protective gases in MHD device, 24:28142
  Experimental investigation of electrode operation in an air stream containing potassium admixture, 22:5182
  Influence of nonuniformity of flow parameters and imperfect wall insulation on MHD-generator performance, 24:45073
  Nonmetallic electrode material for open-cycle MHD generators, 22:52575
  One-dimensional approximation for MHD channel flow, 25:11766
  Quasi-one-dimensional analysis of flow in MHD-generator channels, 24:26035
  Region of plasma perturbation area near electrodes, 22:50071
LYUBIMOV, G. P. Cosmic-ray variations according to data from Zond-3 and Venera-2, 21:20798
  Eleven-year variation of cosmic-ray intensity beyond the Earth's magnetosphere, 22:11280
  Measurement of penetrating radiation intensity at the moon's surface, 21:13409
  Measurement of solar protons in 1 to 5 MeV range by Zond-3, Venera-2, and Venera-3, 22:11276
  Measurement of solar protons with energies of 1 to 5 MeV by the Venera-2, Venera-3, and Zond-3 space probes, 21:20650
  Measuring intensity of cosmic radiation by means of space stations, 21:31264
  Solar cosmic-ray increase on 25 Feb.—5 Mar., 1969, 25:27470
  Variations of cosmic rays according to data of interplanetary probes Zond-3 and Venus-2, 21:35046 (N-67-18958)
  Variations of cosmic rays in various regions of interplanetary space, 22:21967
LYUBIMOV, V. A. High-voltage nanosecond pulse generator, 23:31554
  Possiblity of investigating the pp interaction in the energy interval 30 to 700 GeV, 21:18902
  Spark chamber, 22:10607
  Universal magnetic spectrometer with 0.15 percent resolving power at maximum pulse of 60 GeV/c, 25:26507 (NP-18764)
LYUBIMOV, V. B. Analysis of $\pi^-p \rightarrow n\pi^+\pi^-m\pi^0$ (m = 1,2,3) and $\pi^-p \rightarrow n2\pi^+2\pi^-m\pi^0$ (m = 1,2) reactions, 25:12204 (JINR-P1-5431)
  Channels of reaction $\pi^-p \rightarrow n2\pi^+2\pi^-m\pi^0$ at 4 GeV/c, 24:42887
  Integral equations of cascade kinematics, 25:9708
  Integral equations of the cascade kinematics, 25:7657 (JINR-P1-4926)
  Investigation of $\pi^- + p \rightarrow \pi^- + p + m\gamma$ reaction (m greater than or equal to 1) at π^- momentum 4 GeV/c, 21:40151
  Investigation of reaction $\pi^- + p \rightarrow p + m\ \gamma$(m greater than or equal to 1) at π^--meson momentum of 4 GeV/c, 21:9709 (JINR-P1-3088)
LYUBIMOV, V. D. Diffusion of C in Nb alloys with Ti, Zr, W, or Mo, 24:8113
  Self-diffusion of niobium in some of its alloys with tungsten, 21:36853
LYUBIMOV, V. N. Description of the separation process of stable isotopes of the polyisotopic elements by means of the two-component model, 25:21132
  Isotope effects in the electromigration of Sn(II) ions in molten $SnCl_2$, 24:9332
LYUBIMOVA, M. A. Gradient acceleration of a shock wave and possible applications of this effect, 25:34497 (UCRL-Trans-10532)
LYUBIMOVA, O. I. Surface centers of γ-irradiated silica gels, 24:41369
LYUBIMOVA, S. A. Accumulation of ^{137}Cs by fresh water plants under experimental conditions and natural water basins, 22:45401
  Accumulation of radioisotopes by fresh-water plants, 21:34601
  Influence of ionizing radiations on the early stages of development of Limnaea stagnalis L, 21:36717
  Strontium-90 and ^{137}Cs fixation by plants, 24:570
  Uptake of isotopes by dead tissues of fresh-water plants, 24:7777
LYUBIMOVA, T. P. Cytogenetic effects of fractionated x-ray on human fibroblasts, 23:45701
  Effect of fractionated irradiation upon cells of embryonal fibroblasts in tissue culture, 24:34286
LYUBIMOVA-GERASIMOVA, R. M. Condition of cardiovascular, respiratory, and nervous systems of rats treated with tritium oxide, 22:19412
LYUBIN, V. M. Recording of x radiation using semiconductor layers with high-voltage photoelectromotive force, 21:1605
LYUBINA, T. M. Foamed ceramics made of molten quartz and Zr, 24:14883
LYUBLIN, B. V. Fluctuating electric fields in a turbulent plasma, 25:38428 (CONF-710607-56)
LYUBOMIROV, A. M. Spectral-angular characteristics of an electron beam in irradiation of a tissue-equivalent medium, 25:43421 (ORNL-tr-2476)
  Spectral-angular distributions of electrons in water, 25:523
LYUBOSHITS, V. L. Correlation properties of K^0antiK^0, 21:31580 (JINR-P2-3310)
  Correlation properties of K^0antiK^0-pairs, 22:13749
  Electromagnetic wave scattering with the dipole center system, 21:3632 (JINR-P-2896)
  Identity of elementary particles, 25:30761
  Incoherent scattering of slow neutrons in polarized target, 21:19149 (JINR-P4-3158)
  Interference of $K_2 \rightarrow \pi^+\pi^-$ and $K_1 \rightarrow \pi^+\pi^-$ decays in correlation experiments with K^0anti K^0 pairs, 21:11764
  Interference of nonidentical particles, 22:26578 (JINR-P2-3763)
  Interference phenomena in recording of decaying particle pairs, 23:38319
  Interferential effects while registering pairs of unstable particles, 23:7736 (JINR-P2-4145)
  Nonorthogonal quasistationary states, 23:39720
  Problem of elementary particle identity, 25:7566 (JINR-P2-5063)
  Quasielastic scattering of high-energy particles by light nuclei, 21:4324 (JINR-P-2881)
  Resonance interaction of two identical dipole emitters, 21:33117 (JINR-P4-3297)
  Scattering of particles with non-orthogonal internal states, 24:3770 (JINR-P2-4631)
  Spin dependence of annihilation cross sections p anti p $\rightarrow K^+K^-$, K^0anti K^0, $\pi^+\pi^-$, 24:52155
  Symmetrization of the wave functions of identical particles and the principle of the quantum-mechanical amplitude interference, 25:45613 (JINR-P2-5809)
  Theory of the resonance scattering in the presence of overlapping levels with the identical conserved quantum numbers, 25:7886 (JINR-P2-5328)
LYUBTCHENKO, V. F. Lattice parameters and energy release control in the Beloyarsk reactor, 22:22770
LYUBTSEV, R. I. Adsorption of microamounts of niobium from aqueous solutions on ashless activated platinized coal, 23:28974
  Investigation of complex formation by the method of dialysis. IV, 23:43313
LYUBUSHIN, A. A. Radiation affection of lungs, 24:36847
  Radiation injury of lungs, 25:52244
  Role of quantum fluctuations of a gravitational field in general relativity and cosmology, 25:30224
LYUBUTIN, I. S. Gradient-free oven for examining the Moessbauer effect, 25:42115
  Moessbauer effect at ^{119}Sn nuclei in some garnet structure compounds, 22:34775
  Moessbauer effect in Y—Sn alloys, 23:14867
LYUDVIGOV, R. B. Experimental studies of power increase in In—Ga radiation loops, 25:60170
LYUFACHUN, A. S. Changes in the myelogram of normal and irradiated rats after administration of serotonin, 21:3420
LYUKEVICH, R. B. Effect of superheat on the structure and phase composition of aluminum—tungsten alloys, 24:48856
  Effects of reheating on the structure and properties of fast cooling Al—Zr alloys, 24:10060
LYUKSHIN, E. N. Radiating power of pyrolytic graphite, 25:47169
LYUL'EV, V. L. Developing high-frequency fields in plasma installations, 23:32486 (NP-17893)
  Forming high-frequency fields in plasma devices, 24:8485 (AEC-tr-7118)
  Multitube generating bank, 25:49923 (NP-18943)
LYULEVICH, V. I. Scanning and measuring device for the evaluation of photographs, 21:19916
  Scanning measuring table, 21:19920
LYULICHEV, A. N. Application of the KFL-2·ionization chamber for the measurement of strong vacuum ultraviolet radiation, 23:11767
LYUL'KA, A. M. Using gas-turbine units and MHD generators in atomic power plants, 25:8112
LYULKA, V. A. Consequences of unitary symmetry for reactions with three particles at the final state, 21:42400
  Energy and angular distributions for mesonic decays of hypernuclei, 22:48291
  Lepton decay of hypernucleus ^{3}H, 25:36454 (IAE-1944)
  Leptonic decays of hypernuclei, 22:13729
  Leptonic decays of Λ-^{3}H hypernucleus, 25:7620
  Omega$^-$ $\rightarrow \Xi$ + iota$^-$ + anti τ decay, 21:33675
  Polarization effects in neutrino-induced processes with isobar production, 23:25582
  Polarization effects in processes with participation of high-energy neutrinos. II, 22:1416 (IAE-1241)
  Polarization effects in the leptonic decays of hyperons, 21:2440
  Polarization effects in the processes involving high energy neutrino, 21:40193
LYUMBIMOV, G. P. Cosmic-ray studies in interplanetary space and on the moon, 21:46186
LYUSHINA, A. F. Colloidal centers in irradiated LiF:Mg crystals, 24:12884
  Determination of strong ionizing radiation doses by means of LiF thermoluminescence, 22:33672
  Effect of reactor irradiation conditions on the changes of LiF crystal density, 22:15580
  Radiation heating of LiF crystals during the process of irradiation in the reactor, 22:9432
  Thermoluminescence characteristics of LiF crystals after reactor irradiation, 23:14055
  Thermoluminescence characteristics of various lithium fluoride crystals irradiated in a reactor, 24:21044 (ANL-Trans-813)
LYUSTIKH, E. N. Radioactive elements in Earth's mantle, 24:25118
LYUTAYA, M. D. Chemical properties of nitrides of some transition metals, 25:35522
  Enthalpy of formation of the N solid solution in α-Zr and of zirconium nitride in their homogeneity regions, 25:32725
  Lanthanum germanides, 22:6996
  Phase studies of products from nitridation of Ti, Zr, Hf, and Cr, 23:21692
  Some chemical properties of zirconium nitride, 23:48555
  Thermal decomposition of nitrides of some transition metals in air, 24:27045
LYUTENKO, V. F. Test of the measurement of the cosmic radiation in artificial satellites, 22:29313
LYUTI, I. N. Stabilization of magnetic field in an iron $\pi\sqrt{2}\ \beta$ spectrometer, 25:26502
LYUTIKOV, R. A. Calculation of configurational and excess entropies in metal carbide solution transition, 22:31473
  Density of interstitial phases of Zr compounds, 24:23532
  Temperature dependence of electric conductivity of hydrides of zirconium and yttrium, 22:13549
  Thermodynamic analysis of double phase diagrams of yttrium in association with transition metals of IV—VI periods, 22:31396
LYUTIN, V. D. Isospin term in the shell potential from nucleon binding energies, 23:19370
LYUTINA, E. M. Composition of the carbide phase in alloys of uranium with zirconium and niobium, 25:55547
  Solubility of Zr, Mo, and Nb in α-U, 24:48839
LYUTINSKII, S. I. Phasic changes of thermoregulation in rabbits during total x irradiation, 21:4878
LYUTOMSKII, V. A. Density distribution of plasma produced in a waveguide by fast electrons, 21:5304
LYUTOSTANSKII, Yu. S. Estimate of Firtsevskii term from data on O^+—O^+ beta transitions, 24:3968
LYUTOV, Yu. G. Calculation of the energy distribution of electrons transmitted through thin films of matter, 21:37558
LYUTOVICH, A. S. Effect of gamma irradiation on the electrical characteristics of specially pure silicon, 24:32892 (AD-700579)
LYUTSAREVA, L. A. Structure of ZrO_2 with Sc additives, 23:48563
LYUTSKO, A. M. Method of treating scannograms for contrasting, 22:49456
  Ring focusing collimators for scanning, 21:30859
LYUTTSAU, V. G. Development of micropores in alloys, 25:55462

Effect of annealing on the structure and substructure of deformed molybdenum alloys, 21:31042
LYUTYI, V. M. Optical variability of nucleus of Seyfert galaxy NGC 4151, 23:51309
UBV photometry of Seyfert galaxies, 23:51310
LYU VAN, Lyong Detailed analysis of spectral lines of Wolf—Rayet type stars, 22:815

M

MA, B. M. Creep stress distribution in long, cylindrical reactor pressure vessels, 25:42842 (CONF-710512-9)
MA, Benjamin M. Heat generation in cylindrical reactor pressure vessels, 24:20625
Introductory survey of basic design and fuel-element considerations for large, fast sodium-cooled reactors, 22:39810
ISUNE 1: computer code for analysis of oxide fuel pins, 24:33322
Large reactors for power and water desalting, 24:33475
Nuclear reactors for sea-water desalination, 21:40666
Radiation growth and swelling analysis in short cylindrical fuel elements, 21:41632
Radiation growth and swelling analysis of solid cylindrical fuel elements for a complete reactor period, 22:4827
Radiation growth and swelling of solid fuel rods, 22:28846
Reactor stress analysis and its applications, 24:7069
Reactor stress analysis in nuclear engineering education, 25:18616
Teaching and research experience on cross-spectral density behavior of Argonaut-type reactors, 25:41534
Teaching experience in thermonuclear theory, 25:5100
Temperature distribution in cylindrical fuel-element end caps at unsteady state, 21:27840
Thermal and pressure stresses in cylindrical reactor pressure vessels, 24:29970
Transient temperature distributions in end closures of annular fuel elements, 21:10222
MA, C. W. Fixed-particle-number corrections to cranking theory of nuclear rotation, 24:43495
Influence of shell structure and matrix element fluctuations on the pairing correlation in nuclei, 21:31854
MA, Chao-hung Density and potential distribution in a cylindrical beam-generated plasma, 23:48883
Density distribution of a cylindrical plasma, 23:5433
MA, Chi-ch'ing Some early effects of x-irradiation in the ultrastructure of mouse liver cells, 21:1829
MA, Chin W. Negative-parity states in ^{208}Pb, 25:43926
Nuclear rotation: cranking-model calculations, 24:52673
MA, Chin-wah Moment of inertia of the high spin rotational states of deformed nuclei, 25:12654
MA, Chun-tsan Observation of gold isotopes with anomalous cross sections by bombardment of ^{238}U with ^{22}Ne ions, 21:12035
MA, David Ta-tao Setup of γ—γ coincidence spectrometer at THOR, 23:47786
MA, Ernest S. Duality in backward π^+p elastic scattering, 25:22836
MA, Ernest Seu-keung Extended duality in backward π^+p elastic scattering, 25:47886
MA, Hsiu-ch'uan Effect of x radiation on Macaca mulatta, 23:33845
MA, Ing-jiunn Annihilation of positrons in Al, Rh, and Ag, 21:33186
MA, Jih-chen Behavior of total electron content and equivalent slab thickness during magnetic disturbances, 25:1061
MA, P. Y. Approach for determining the effective energy release of a fast reactor accident, 25:6065
Improved method for assessing damage to the reactor vessel in a fast reactor accident, 25:6064
Measurement of reactor noise by means of a multiscaler analyzer, 21:8059
Quick method for reactor flux mapping, 24:50568
MA, Peter P. Y. Total neutron cross sections of carbon and lead, 23:25836
Total neutron cross sections of sulfur and tungsten between 5.3 and 6.3 MeV, 22:20523
MA, Pu-yuan Log scaled nuclear reactor simulator, 23:52475
Measurement of THOR transfer function by the method of reactor noise analysis, 21:30200
Study of reactor kinetics, 23:52476
MA, Renee Scintillation efficiency of benzene, 23:2614
MA, Shang-keng Correlation of photons from a thermal source, 21:33583
Feynman rules and quantum electrodynamics at infinite momentum, 23:32807
Low-temperature mobility of heavy impurities in Fermi liquids, 23:1350
Multiphoton exchange amplitudes at infinite energy, 24:18134
Phonon dispersion in low-temperature weakly interacting Bose gas, 25:25004
S matrix and low energy theorem in the theory of correlation functions, 25:53397
Scattering amplitudes in quantum electrodynamics at infinite energy, 23:32655
Theory of a charged Bose gas. I, 21:33561
Theory of a charged Bose gas. II, 21:33560
MA, T. S. Microdetermination of tellurium and organo—tellurium compounds, 25:41744
Organic elemental analysis, 24:26952
Organic microchemistry, 22:25309
MA, Te Hsiu Far-red light effect on ultraviolet light induced chromatid aberrations in pollen tubes of Tradescantia, 25:35120
Prog. rpt. on effect of irradiated glucose on mitotic chromosomes, final, 1966, 21:12752 (TID-23508)
MA, Te-hsiu Effect of irradiated glucose on mitotic chromosomes of Vicia and Tradescantia, 22:51378
MA, Tsung-fu. Structure and representation of symmetry groups of strongly interacting particles, 22:41840
MA, Wen-chao Changes in spleen of rat after total body x-irradiation, 21:43529
MA, Z. M. I = 1 enhancement near 2360 MeV observed in anti NN kaon annihilation cross sections, 24:30442
MA, Z. Ming Antiproton—deuteron elastic scattering between 1.60 and 2.00 GeV/c, 25:45664
Comparison of proton momentum spectra in proton—proton collisions involving pion and kaon production, 24:37633
Evidence for a narrow N*(1470), 25:14552
Experimental comparison between on- and off-mass-shell inelasticities in π^-p scattering. II, 25:3285
Pion-exchange dominance in reaction pp $\rightarrow$ nΔ^{++}(1236) at high energies, 24:26371
Pole-extrapolation results from pp $\rightarrow$ Δ^{++}n at 6.6 GeV/c, 23:42549
Strange-particle production by 1.95 GeV/c π^+ in hydrogen, 21:44283
MA, Zee-Ming Multipion production by π^+ in hydrogen at 1.48 GeV/c, 22:37082
MAAG, William L. Experimental biaxial creep data for Ta, Mo, and alloys T-111, TZM, and TZC, 25:49409 (N-71-16498)
Statistical analysis of high-temperature creep-rate data for alloys of Ta, Mo, and Nb, 24:4767 (N-69-36653)
MAAGDENBERG, H. J. Distribution of strontium and calcium in vegetable and fruit crops, 22:28521
Strontium and calcium distribution in vegetable and fruit crops and criteria for use of fallout-contaminated foods, 22:38225
MAAS, Eugene Vernon Manganese absorption by barley roots, 21:40743 (RLO-1547-5)
MAAS, I. Determination of natural variations of carbon isotopes in oil and gas components and their relation to origin, 22:42634
MAAS, J. Dissociation of 10-keV (HeH)$^+$ molecular ions. II, 25:24917
MAAS, J. W. Reaction ^{23}Na(α,γ)^{27}Al. I, 25:48066
MAAS, L. L. Fast Flux Test Reactor: critical experiments program, 21:5683 (BNWL-SA-909)
FTR control rod calculations, 24:11220 (BNWL-428)
Multigroup analysis of selected fast critical assemblies, 21:14068 (BNWL-347)
Nuclear parameters and parametric studies for the FTR, 23:34919 (BNWL-1067)
MAASS, G. Metabolism of nucleic acids of monkey kidney tissue cells after infection with SV-40. III, 24:819 (ORNL-tr-2129)
Nucleic acid metabolism of monkey kidney tissue with SV$_{40}$. IV, 23:33643
MAASS, H. Effect of x rays on RNA metabolism in Ehrlich ascites tumor cells, 25:52180
Effects of fractionated x irradiation on NAD content of tumors and host liver, 22:28646
Influence of x whole-body irradiation on incorporation of 2-^{14}C-glycine in rats, 22:28675
Radiosensitivity of various phases of the cell division cycle of tumor cells, 22:12764
MAASS, Heinrich Biochemical and autoradiographic studies on the radiosensitivity of various phases of the mitotic cycle in tumor cells, 21:17961
Investigation on the combined effects of 5-bromouracildesoxyriboside and x radiation on animal tumors, 21:32692
Radiosensitivity of phases of cell division cycle in tumor cells, 21:45604
MAASS, I. Sample preparation for precision carbon isotopic analysis, 25:28968
MAASS, R. New tracer for liver scanning, 21:41457
MAASS, Roberto Application of radioisotopes in Latin America, 23:41190 (CONF-670338, pp 103-12)
MAASS, Wolfgang Brownian movement of heavy, massive-volume particles in a dilute gas, 24:8550
MAASS E., Roberto Fate of macroaggregates of radioalbumin in lung, 22:12794
MAATMAN, Russell Prog. rpt. on gels, 11/67, 22:4066 (COO-1354-13)
MAATMAN, Russell W. Site densities of solid catalysts, 24:18810 (COO-1354-18)
MAAYOUF, R. Total neutron cross section of S in energy range from 0.0022 to 0.266 eV, 22:20548
MABE, Kazuaki Lymph nodes treated by ^{60}Co radiation, 22:8581
MABEE, R. S. Air densities in the lower thermosphere from jet radii, 22:29330
MABEE, Richard S. Scattering of hf radio waves by spherical electron cloud, 24:5184 (AD-691428)
MABEY, C. Angular correlations in ^{23}Na(p,γ)^{24}Mg, 24:3894
MABILE, J. France: partner in all areas of fuel cycle, 23:43386
French uranium policy, 24:11707
MABILE, Jacques Nuclear raw materials industry in France, 24:14682
MABILLE, H. Distribution and fate of ^{86}Rb in inbred wistar rats, 22:12760 (UCRL-Trans-10175)
MABILLEAU Nuclear energy development in USSR, 24:4003
MABIS, A. J. Mesomorphic phases. I, 22:33344
MABUCHI, H. Clues to early history of solar system, 24:28001
Radioactivity induced by cosmic rays in the Granes meteorite, 22:47743
MABUCHI, Hisao Measurement of abundance of ^{32}P and ^{33}P in Saint-Severin meteorite, 22:43753
Measurement of the abundance of ^{41}Ca in the Granes meteorite, 21:20690
Measurement of U and Th content, by alpha spectrometry, for the dating of corals, 21:34237
Origin of meteorites, 21:28876
Radioactive nuclides induced by solar cosmic radiation in chondrites, 21:23030
MABUCHI, Tomoo Photoreactivation of ultraviolet light induced mutation, 22:40633
Photoreactivation of uv-induced damage in maize pollen, 23:26758
Photoreactivation of uv-induced mutation in maize, 23:26757
Storage and nitrogen effects on radiation damage in einkorn wheat seeds with different water content, 22:36405
MACADAM, Keith B. Measurement of deuterium polarizability anisotropy, 24:19730
MACAGNO, E. Magnetic dipole and electric quadrupole hyperfine effects in ^{209}Bi muonic x rays, 21:40455
MACAGNO, E. R. Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 23:49422
Finite distribution of nuclear M1 and E2 moments in muonic ^{115}In, ^{133}Cs, and ^{141}Pr, 24:52603
Isotopic variations of nuclear charge distribution in Nd, 24:52602
Measurement of nuclear gamma ray in muonic ^{152}Sm, 21:27611
Muon- and pion-induced fission of uranium isotopes, 24:20394
Muonic atoms. I, 25:3661
Muonic atoms. II, 25:3620
Parameters of the charge distribution of deformed nuclei, 24:52601
Resonance process and intensity anomaly in muonic ^{127}I, 24:52604
MACAIRE, M. Contribution to study of nuclear station planning, 22:37458
MACAK, P. Spectral classification and photometry of stars in two H II regions, 25:30108
MACAR, P. Pulses generated by ionizing radiation in photomultiplier tubes, 23:20075 (N-68-37035)
MACARIE, Gh. Calculations of intensity of β emission backscattering, 22:47821
MACARIE, O. Humoral and functional changes in the syndrome caused from combined action of burns and whole body irradiation, 21:4874
Pleural reaction and local diffusion of penicillin in irradiated mice, 21:4852
MACAROVICI, C. G. Complex compounds with some hydroxy acids. X, 25:6340
MACARTHUR, I. R. Radiochemical methods for determination of trace elements in Ni alloys. II, 23:40590
MACARTHUR, J. D. Beta decay of ^{187}W, 24:40623
Effect of a finite size source on angular distribution attenuation coefficients, 24:29501
MACARTHUR, J. P. Domestic and international capital resources and the nuclear fuel cycle, 24:11133
MACARTHUR, J. W. Spectral-energy curves of subdwarfs. I, 22:29018
MACASEK, F. Preparation and cosublimation of cyclopentadienyl derivatives of promethium and actinium, 23:31329
MACAU, J. P. Pulses generated by ionizing radiation in photomultiplier tubes, 23:20075 (N-68-37035)
Use of far-ultraviolet photomultipliers as gamma-counters, 24:33888
MACAU-HERCOT, D. Skin effect in microwave-excited pulse discharges, 24:37439
MACAVOY, Paul W. Economic strategy for developing nuclear breeder reactors, 24:31083
Mid-range optimization of a nuclear power plant, 25:5904
Short-range optimization of use of a nuclear power plant, 25:5905
MACBEAN, I. J. Integral properties of ^{235}U and ^{239}Pu in intermediate energy spectrum, and comparison with theoretical prediction, 23:52478 (AEEW-R-586)
MACBEAN, I. T. Genes controlling radioresistance, 23:33814
MACBETH, R. V. Appraisal of forced convection burn-out data, 21:41126
Boiling on surfaces overlayed with a porous deposit: heat transfer rates obtainable by capillary action, 25:54862 (AEEW-R-711)
Forced convection burnout in water, 25:8410
Investigation into effect of "crud" deposits on surface temperature, dry-out and pressure drop, with forced convection boiling of water at 69 bar in annular test section, 25:54861 (AEEW-R-705)
Use of Freon 12 to model forced convection burnout in water the restriction on size of model, 25:44498 (AEEW-R-683)
MACBETH, Robert Victor Improvements in generation of electricity, 24:28153
MACCA, G. Scintigraphic aspects of the kidney, 23:38656
MACCABE, J. J. Long-term hazards of Thorotrast, 23:8076
MACCABEE, H. D. Correction to Landau's energy loss formula, 24:4990
Energy-straggling measurements of heavy charged particles in thick absorbers, 24:30138
Fluctuations of energy loss by heavy charged particles in thin absorbers, 22:11547
In vivo activation analysis for Ca, 24:31296
Ionization fluctuations in cells and thin dosimeters, 21:26242 (UCRL-17465)
Tissue activation with α beams, 23:43833
MACCABEE, Howard D. Energy and LET spectra of cyclotron beams, 25:16188
Fluctuations of energy loss by heavy charged particles in thin absorbers, 21:13351 (UCRL-16898, pp 82-6)
Tissue activation studies with alpha particle beams, 23:29508 (UCRL-18347, pp 155-70)
MACCABEE, Howard David Fluctuations of energy loss by heavy charged particles in matter, 21:278 (UCRL-16931)
MACCADNI, D. High energy electrons in solar flares, 23:51263 (CEA-CONF-1402)
MACCAGNI, D. Observations on electrons in energy range 8 to 300 MeV, 23:51264 (CEA-CONF-1403)

MACCALLUM, Crawford J. Solution of equations for afterglow, 24:42704
MACCALLUM, M. A. H. Anisotropic stresses in homogeneous cosmologies, 24:42492
  Class of homogeneous cosmological models. III, 25:47313
  Homogeneous cosmological models, 23:30807
  Homogeneous cosmological models. II, 25:940
  Mixmaster universe problem, 25:33040
  Pulsating universe of Sengupta, 25:43097
  Thermodynamics and cosmology, 25:19464
MACCARINI, P. A. Radiosensitivity of the heart: myocardial effects on radiotherapy for thoraco-mediastinal neoplasia, 21:26623
MACCAZZOLA, F. Nuclear power plants' operation, 22:48656 (RT/EC-(68)1)
MACCAZZOLA, Franco Statistical considerations on the use of nuclear power plants, 24:4011
MACCHI, C. Radioactive isotopes and thermographic findings in bone localizations of systemic diseases, 25:29588
  Scintigraphic and thermographic detection of bone metastases, 25:29589
MACCHI, Odile Study of a point process characterized by its multicoincidences, 25:9692
MACCHIAVERNA, E. G. Recovery of uranium from dilute carbonate solutions, 22:167
MACCHIONI, Guido Vaccination in sheep irradiated with ^{60}Co, 24:4578
MACCIONI, M. Frascati microtron as synchrotron injector, 23:39878
MACCONNELL, D. J. Discoveries of southern objective-prism plates. II, 25:22261
  Discoveries on southern objective-prism plates. I, 24:42362
MACCONNELL, Darrell J. Faint new Wolf—Rayet stars in Carina, 24:17476
  Hα emission-line stars, 23:39137
  Nature of the field blue-straggler stars, 25:24734
  New Ap stars in NGC 3114, 25:11578
  Photoelectric observations of flare stars in the ultraviolet, 22:41215
  Study of the Cepheus IV association, 23:3195
MACCORDICK, J. Addition compounds formed by pentachlorides of Nb(V), Ta(V), and Pa(V) with nitrosyl chloride, 24:2189
  Reaction of protactinium(V) pentachloride with nitrosyl chloride, 23:4616
MAC-CORDICK, John Coordinate complex compounds of Ce(III) and U(III) trichlorides with acetonitrile, 24:22644
  Separation of $NbCl_5$—$NbOCl_3$ mixtures by chemical methods, 24:282
MACCRACKEN, M. C. Ice age theory analysis by computer model simulation. II, 25:31750 (UCRL-71888(Pt.2))
  Ice age theory analysis by computer model simulation. I, 25:31749 (UCRL-71888(Pt.1))
MACCRACKEN, Michael C. Atmospheric conservation equations in flux divergence form, 23:31263 (UCRL-50593)
  Tests of ice age theories using a zonal atmospheric model, 25:31751 (UCRL-72803)
  Zonal general circulation model, 23:34967 (UCRL-50594)
MACCRAGH, A. Economics of blending and diffusion in uranium recycle, 24:43782
MAC CRAGH, Adolfo Radioisotope-containing microspheres, 24:14188
MACCREADY, Paul B. Jr. Forecasting boundary layer turbulence from synoptic meteorological data, 22:3987 (TID-24122)
MACDONALD, A. Unusual radiation dermatitis, 25:21909
MACDONALD, A. B. Nuclear masses of ^{9}C and corresponding analog state of ^{9}B, 22:20471
MACDONALD, A. C. Determination of the crystal structure of cadmium nitrate tetradeuterate by means of neutron anomalous dispersion measurements, 24:2176
MACDONALD, A. D. Electron loss processes in air afterglows, 23:39470
MACDONALD, A. M. G. Development of fluoride-sensitive membrane electrodes. I, 22:16439
MACDONALD, Burns Nucleon—nucleon polarization between 300 and 700 MeV, 22:5503
MACDONALD, C. Hall effect and sheet resistivity as function of temperature on P implants in Si, 25:19838
MACDONALD, C. G. Nickel-catalysed hydrogen exchange of aniline, phenol, and their alkylated derivatives, 21:17634
MACDONALD, Charles E. Implementation of new AEC transport regulations—10 CFR 71, 23:550 (CONF-681001-, pp 37-46)
MACDONALD, D. Measurement of ^{233}Pa resonance integral, 21:42620
  Resonance integral ^{233}Pa measurements, 22:3701 (WAPD-TM-612)
MACDONALD, Delphine D. Observations of the 21-cm hydrogen line toward high-latitude stars, 23:48675
MACDONALD, Digby D. Comment on high-temperature approximations for kinetic isotope effects, 24:22662
  Temperature dependence of kinetic isotope effects in gas-phase reactions. II, 23:7526
  Temperature dependence of kinetic isotope effects in gas-phase reactions. I, 23:7525
MACDONALD, Douglas E. Damping of dislocations in niobium by phonon viscosity, 25:27905
MACDONALD, F. Analysis of anti KN$\pi\pi$ final states produced in K^-—proton interactions at 6 GeV/c, 23:14990
  Production of a $Y^*_1(1700)$ in K^-p collisions at 6 GeV/c, 21:25246
  Two-body processes in K^-p interactions at 6 GeV/c, 22:15684
MACDONALD, G. H. Radio emission from sources 3C 225 and 3C 267, 21:39776
  Radio structures of seventy-nine quasi-stellar objects, 25:19350
  Structure of radio sources 3C 46, 66, 129, and 465, 21:1999
  Structure of radio sources in 3C catalogue. I, 22:23936
  Structure of radio sources in the 3C catalogue. IV, 24:8269
  Synthesis of brightness distribution in radio sources, 24:8268
MACDONALD, Glenn E. Effect of embryonic x irradiation on chicks, 22:10836
  Radiosensitive period during embryological development of domestic chicks, 22:45658
MACDONALD, Gordon J. Steroid secreting capacity of x-irradiated rat ovaries, 23:31964
MACDONALD, Gordon J. F. Conference on the physics of the magnetosphere, Washington, D. C., 9/68, 23:30450
MACDONALD, H. F. Effects of uniaxial stress and electric fields on localized vibrational modes of H^- and D^- ions in CaF_2, 21:19617
MACDONALD, I. P. L. Effect of cosine and half-cosine heat fluxes on dryout for steam—water flow in an annulus at 1000 psia, 21:12570 (AECL-2646)
  Method and apparatus for increasing critical heat flux for high pressure steam/water flow in nuclear reactors, 22:22786
MACDONALD, Ian Norman Improvements in or relating to cooling gas circulators for nuclear reactor power stations, 25:46159
MACDONALD, J. A. Two-nucleon transfer reactions induced by polarized protons, 25:53658
  Two-nucleon-transfer reactions induced by polarized protons, 24:52464
MACDONALD, J. C. F. Automatic radiation alarm for hospital rooms, 22:49374
  Dose conversion factors for ionization dose meters for electron beams, 24:48567
  Semi-automatic TLD reader, 25:21456
MACDONALD, J. E. Conical and plane surface scattering. Program SURF, 22:17714 (GEMP-582)
  Nuclear heating calculations in a fast-spectrum, refractory-metal reactor assembly, 21:40545 (CONF-660606-58)
MACDONALD, J. J. C. Reactivity loss resulting from burn-up in the Dounreay Fast Reactor, 21:7903
MACDONALD, J. R. Electrode-size effects in MHD generator with nonuniform electrical conduction, 22:26273
  Electron-capture processes 10- to 40-MeV O ions in He, N, and Ar, 25:55869
  Electron-transfer cross sections for O ions in Ar, N, and He at 7 to 40 MeV, 25:55870
  Energy levels of ^{56}Fe, 21:9987
  Implantation-perturbed angular correlation experiments in iron after inelastic proton scattering, 23:39559
  Lifetimes of 2^+ states in ^{58}Ni, 22:27049
  Total ionization in methane of ions from 10 to 120 keV, 23:22929
MACDONALD, Jack R. Doppler shift measurements of nuclear lifetimes, 24:26583
  Electromagnetic transition rates in ^{58}Ni, 23:52135
  Gamma decay of 3.90-MeV (2^+) level in ^{40}Ca, 25:34025
  Gamma-ray transitions from the 2.15-MeV states of ^{10}B, 22:32504
  Lifetimes in ^{40}Ca from Doppler-shift attenuation measurements using Ge(Li) detector, 22:11926
  Lifetimes of excited states in ^{56}Fe, 24:22125
  Mean life of the 4.49-MeV (5^-) state of ^{40}Ca, 23:46976
  Properties of the low-lying states of ^{40}Ca, 25:5616
MACDONALD, James A. Waste disposal systems: operating experience at the Yankee Nuclear Power Plants, 25:41281
MACDONALD, John A. β^- decay of ^{111}Ag, 25:17877
  Uranium distribution in Saskatchewan, 23:35349
MACDONALD, N. Cubic Hartree—Fock solution in ^{24}Mg, 25:34065
  Damping width of the dipole giant resonance in ^{208}Pb, 24:43453
  Hartree—Fock projected spectrum for ^{24}Mg, 24:43267
  Projection operators in nuclear structure calculations, 25:1772
MACDONALD, N. C. Selective electron-beam irradiation of MOS structures, 22:23393
MACDONALD, N. S. Cesium-137 in adult population in California, 1960 to 1969, 25:16187
  Contamination encountered in personnel operating a cyclotron, 23:24627
MACDONALD, Noel Charles Effects of electron irradiation on metal/oxide/semiconductor system, 22:38188
MACDONALD, P. E. Fission gas release from UO_2 fuel rods with time varying power histories, 24:7358
MACDONALD, R. Spectrum of the night airglow between 3 and 4 microns, 23:10531
MACDONALD, R. A. Molecular dynamical studies of the phase transformation of iron under pressure, 25:28895 (TID-25683)
MACDONALD, R. D. In-reactor compatibility of UO_2 with refractory metals, oxides, and graphite, 21:1955 (AECL-2601)
  Irradiation performance of Zircaloy sheathed fuel elements, 24:48909 (AECL-3606)
  SAP clad uranium carbide fuel elements, 23:8356
  Sweeping of bubbles by grain boundaries in irradiated UC, 21:16660
  Thermoelectric nuclear fuel elements, 21:42836
  UO_2 impregnated graphite fuel elements clad in Zircaloy irradiated to burnups of 20 percent FIFA, 24:4161 (AECL-3380)
  Zircaloy-sheathed UO_2 graphite matrix fuels irradiated in pressurized water, 24:7120
MACDONALD, R. H. Use of beta rays in the treatment of chronic eczema and psoriasis, 24:48652
MACDONALD, R. I. Confirmatory experimental data on the Harwell boron pile anti τ values, 21:25734
MACDONALD, R. J. Annealing of ion bombardment damage in Ge, 24:42773
  Computer simulation of sputtering, 24:44985
  Ejection of atomic particles from ion-bombarded solids, 25:11676
  Relation between catalytic properties and structure of metal films. I, 23:26257
  Sputtered atom ejection patterns from Ge, 24:40168
  Sputtered-atom ejection patterns from (100) Ge surfaces, 24:19950
  Sputtering studies with selected targets, 24:42515
  Temperature dependence of sputtered ejection from Ge [100] surfaces, 23:32134
MACDONALD, R. N. Calculation of space dependent effects in pile oscillator and reactor noise measurements, 21:15781
MACDONALD, R. R. Preparation and acetolysis of 5-deuteriated exo-norbornyl brosylates, 25:2172
MACDONALD, R. W. SB-IGFET, II: an ion implanted IGFET using Schottky barriers, 23:35556
MACDONALD, Robert N. Calculating space-dependent reactor transfer functions using statics techniques, 21:15780
  Design of a nuclear data acquisition system, 23:38346 (CONF-690401-, pp 155-72)
MACDONALD, W. Fine structure in nuclear resonances, 21:40510
  Fine structure in nuclear resonances, 22:3757 (TID-24143)
  Fine-structure analysis of analog resonances in ^{41}K, 21:21491
MACDONALD, W. M. Analog state resonances, 23:5970
  Continuum shell-model calculation for ^{16}O, 24:6838
  Isobaric spin and analog spin, 22:3747 (CONF-660306-31)
  Particle decay widths of the dipole states of ^{16}O, 21:7701
  Potential in an analog-state calculation, 24:15983
MACDONALD, William Prog. rpt. on experimental and theoretical study of structure of nuclei and interactions of intermediate energy particles, 10/67, 23:5946 (ORO-3765-1)
MACDONALD, William M. Isobaric spin and analogue spin, 21:25599
  Penetration of auroral electrons into the atmosphere, 23:44281
MAC DONELL, D. G. Opaque radio sources near the galactic equator, 24:42406
MACDOUGALL, Carolyn S. Combustion manometric determination of carbon in plutonium sulfide, 23:11401 (LA-4047)
  Combustion-manometric method for simultaneous determination of carbon and hydrogen, 24:7397 (LA-4260)
  Determination of oxygen in refractory oxides, 23:13634
MACDOUGALL, D. Fission track dating of volcanic glass shards in marine sediments, 25:44460
MACDOUGALL, H. R. Stability of multilayered orthotropic cylindrical shells, 21:35816 (SC-TM-67-519)
MACDOUGALL, Hugh R. Nonlinear analysis of shells of revolution by the matrix displacement method, 22:16366 (SC-DC-67-2054)
MACDOUGALL, J. D. Atomic mass determinations. I, 23:21371
  New atomic mass differences and mass systematics, 24:38266
  Precise atomic mass differences and mass systematics, 24:38265
  Preparation of input data for WIMS, 22:5915 (AEEW-R-538)
  Resonance capture calculations for gas-cooled reactors, 21:1116
  Separation and pairing energies of isotopes of Tb, Dy, Ho, Er, Tm, Yb, Lu, and Hf, 25:17888
  TOFFEE: Fortran program for calculating directed flux spectra, 23:52441 (AEEW-M-903)
  Use of integral measurements to adjust cross-sections and predict reactor properties, 24:22508
MACDOUGALL, J. W. Equatorial ionospheric anomaly and the equatorial electrojet, 23:51468
  Interpretation of ionospheric drift measurements, 21:2113
MACDOUGALL, Nora L. T. Host-induced modification/restriction and utilization of 5-bromouracil by thymineless bacteria mutants of E. coli, 24:38678 (ORO-3793-1)
MACDOWELL, S. W. Analyticity in momentum transfer without strict locality, 22:20359
  Cluster property and bounds on the scattering amplitude, 22:20360
  Sign of the absorptive elastic amplitude below the physical threshold, 24:37967
  Test of time-reversal invariance in K μ τ γ decay, 21:2438
MACE, J. W. Human growth hormone release during sleep, 23:41259
MACE, M. P. Determination of the thermal power of a nuclear reactor, 23:13386
MACE, P. R. Temperature stabilized magneto-resistor for 0.1 percent magnetic measurement, 24:44348 (RHEL/R-192)
MACE, Phillip N. Transient radiation effects in optical materials, 22:13571
  Transient radiation effects in optical materials, 22:24411 (LA-DC-8636)
MACE, R. Cosmic-ray charge spectrometer, 21:313
MACEDO, F. X. Isotope gauges: an analysis of some errors in hot metal thickness measurement, 25:44710
MACEDO, P. B. Nuclear-particle track detection using liquid—liquid phase separation: the glass chamber, 25:57727
MACEFIELD, B. E. F. Computer facility for nuclear physics data collection and analysis, 21:24263
  Event selector for an on-line computer, 22:2465
  Numerical evaluation of radiative corrections of order α to allowed nuclear β-decay, 25:12696

Parities of states in ^{15}O and ^{33}Cl, 21:29887
Processing efficiency of interacting data streams, 22:28245
Reactions ^{22}Ne(d,n)^{23}Na and ^{28}Si(d,n)^{29}P, 21:29927
States of ^{9}Be from beta-decay of ^{9}Li, 23:39966
Study of the reaction ^{6}Li(p,n)^{6}Be, 22:41964
MACEK, Andrej Burning rates and combustion of single Be particles, 23:48393
MACEK, J. Low-energy electron scattering by atomic H. V, 22:9001
Low-energy electron scattering by atomic H. IV, 22:9000
Properties of autoionizing states of He, 22:52486
MACEK, J. H. Application of Fock expansion to doubly excited states of He atom, 21:37164
MACEK, Joseph Behavior of eigenphases near a resonance, 24:51425
Measurement of atomic lifetimes, 23:36475
Theory of atomic lifetime measurements, 24:21555
Theory of the forward peak in the angular distribution of electrons ejected by fast protons, 24:17687
MACEK, Joseph Henry Variational equations in inelastic scattering, 21:46835
MACEK, K. Conference on gel permeation chromatography, Miami Beach, Fla., 10/70, 25:35532
Conference on identification of substances by paper and thin-layer chromatography, Frascati, Italy, 9/69, 24:36376
MACEK, Karel Bibliography of paper and thin-layer chromatography 1961—65, 23:7462
MACEK, R. Cross sections for (π^{+},p) reactions on ^{9}Be, ^{12}C, and ^{16}O, 25:59710 (LA-DC-12781)
Measurement of relative rate K/sub e2/$^{+}$/K/sub μ2/$^{+}$, 23:8726
New measurements of (π^{+},2p) reactions on light nuclei, 25:59709 (LA-DC-12389)
MACEK, R. J. Calculation of the minor components of a magnetic field, 22:46646
Upper limit on structure-dependent radiation in $K^{+} \rightarrow e^{+} + \nu$/sub e/ + γ, 24:33006
MACEK, Robert Precetron: a principle for obtaining pion—pion and muon—muon collisions, 24:52350
PRECETRON: principle for obtaining pion—pion and muon—muon collisions, 23:46866 (PPAR-14)
Principle of self-colliding orbits, 24:30661
MACESEK, F. Laboratory irradiation source for radiation chemical research, 21:28040
MACEWAN, J. F. CYCLOPS: a flying spot digitizer for spark chamber film analyses, 21:41238
MACEWAN, J. R. Annealing of damage in U_3Si, 25:52479
Annealing of irradiation-induced thermal conductivity changes in ThO_2—1.3 wt. percent UO_2, 23:27205
Effect of bombardment temperature on the trapping of xenon in some oxides and halides, 23:8672
Effect of irradiation on the thermal conductivity of UO/sub 2 - x/, UO_2, and UO/sub 2 + x/ at 60 deg C, 21:5939
Effect of porosity on thermal conductivity of UO_2, 22:2694
Fission product gas pressures developed in UO_2 fuel elements, 21:40693 (AECL-2662)
Grain growth in UO_2. III, 21:20580
Irradiation damage in U_3Si, 23:36269 (AECL-3295)
Irradiation experience with fuel for power reactors, 25:54082 (A/CONF.49/P-158)
Release of fission gas from fuel, 21:11326
MACEY, D. J. Determination of oxygen and nitrogen in gases by prompt gamma ray measurement, 25:45943
MACEY, R. I. Membrane enzyme systems: molecular size determinations by radiation inactivation, 22:51412
MACEY, Robert I. Molecular weight estimation of membrane bound ATPase by in vacuo radiation inactivation, 22:25745
Prog. rpt. on radiation studies on membrane transport processes and associated enzymes, 5/66—4/67, 21:28345 (UCB-34-P-136-1)
Prog. rpt. on radiation studies on membrane transport processes and associated enzymes, 5/67—3/68, 22:33716 (UCB-34-P-136-2)
MACFADYEN, Amyan Recolonization of gamma-irradiated soil by small arthropods, 21:22371
MACFADYEN, N. W. Conformal group in Poincare basis. I, 25:53254
Crossing symmetric expansions of physical scattering amplitudes: O(2,1) group and Lame functions, 25:20105
Crossing-symmetric expansions of scattering amplitudes, threshold behavior, and asymptotics, 25:31028
Harmonic analysis in an SU/sub 1,1/ basis, 23:46748
Pion—nucleon scattering and SO(4) symmetry, 22:44434
MACFALL, Derek Improvements in or relating to nuclear reactor fuel elements, 21:21816
Nuclear reactor fuel elements, 22:14340
MACFARLANE, A. J. Description of SU3/Z3, 23:8834
Effective-Lagrangian theory of broken chiral SU_3 x SU_3, 23:36978
Explicit representations of chiral invariant Lagrangian theories of hadron dynamics, 24:15632
Field algebra and symmetry breaking, 25:45782
Fields with nonlinear transformation laws under chiral SU_3 x SU_3, 22:35103
Gell-Mann's lambda-matrices, d- and f-tensors, octets, and parametrizations of SU(3), 23:8824
Group SU_3 and elementary particles, 21:29578
Relationship of internal and external multiplicity structure of compact simple Lie groups, 21:27391
MACFARLANE, D. R. Comparison between momentum integral and compressible models for sodium voiding calculations in LMFBR, 25:57081 (CONF-710302-(Vol.1), pp 180-98)
Compressible model for transient sodium voiding of reactor channels, 25:41475
Delineation of LMFBR single subassembly accidents, 25:6068
Fast reactor accident study code, SAS1A, 23:40426 (CONF-690401-, pp 51-4)
Instrumentation systems to protect LMFBR core integrity, 25:31574 (ANL-7793)
Operational transients in LMFBRs and LWRs, 25:51146
Protection against LMFBR local core accidents, 24:33385
Protection against local core accidents in liquid metal fast breeder reactors, 25:46285
Reactivity transients leading to disassembly in oxide-fueled fast reactors, 23:37569
Response of fast reactors during Na boiling accidents, 22:53383
SAS1A: a computer code for the analysis of fast-reactor power and flow transients, 25:28727 (ANL-7607)
Sodium boiling transients in oxide-fueled fast reactors, 22:39811
Theoretical studies of the response of fast reactors during sodium boiling accidents, 22:5971
Theoretical studies of the response of fast reactors during sodium boiling accidents, 22:20832
Theoretical studies of the transient boiling of sodium in fast-reactor coolant channels, 21:38493
Transient sodium boiling calculations, 21:17495
Transient sodium boiling calculations. II, 22:1793
MACFARLANE, Donald R. Transient boiling of Na in reactor coolant channels, 21:13945 (ANL-7222)
MACFARLANE, Donald Robert Analytic study of the transient boiling of sodium in reactor coolant channels, 21:35612
MACFARLANE, J. C. Determination of 2e/h based on the ac Josephson effect, 25:5412
Thin-film detector for atomic hydrogen beams, 23:7741
MACFARLANE, J. J. Control of the Queensland fruit fly by gamma irradiation, 21:20384
Effect of state on some radiolysis products from nC_{12} and nC_{14} fatty acid methyl esters, 24:22698
Source of error in application of Fricke dosimeter, 23:4843
MACFARLANE, M. Further observations of the Crab Nebula optical pulsar, 23:25055
Observations of pulsar NP 0532 in Crab Nebula, 23:30248
Optical pulsations in the Crab Nebula pulsar, 23:14486
MACFARLANE, M. H. Analogs and the resonance renaissance, 24:30877
Analogs, anti-analogs, and so forth, 24:8929
Shape mixing and the shell-model description of the isotopes of neon, 25:38935
Shell model of the nickel isotopes, 21:40506
Shell-model study of isotopes of O, F, and Ne, 22:11908
Single-nucleon transfer reactions, 24:43594
MACFARLANE, Malcolm H. Isobaric-spin splitting of nuclear excitations, 21:25603
MACFARLANE, Malcolm J. Isophotal wavelengths of the U, B, V, and R systems, 23:14570
MACFARLANE, R. Collapse mechanism of fluidized beds subjected to sudden loss of liquid flow, 23:21877 (AECL-3028)
Expansion characteristics of liquid fluidized beds of spheres, 23:47686 (AECL-3027)
Porosity fluctuations in liquid fluidized beds of spheres, 24:13518 (AECL-3029)
MACFARLANE, R. D. Alpha decay of thermal neutron capture state of ^{156}Gd, 23:31001
Atomic masses of nuclides far from beta stability, 23:21368
Beta-neutrino correlations and longitudinal nuclear alignment in the decay of ^{20}Na, 25:25692
Compound nucleus reactions in the region of the heavy elements, 24:49819
Crystal lattice effects in the ^{149}Sm(n,α)^{146}Nd reaction induced by thermal neutrons, 25:50735
Electrostatic particle guide for high resolution charged particle spectrometry in intense reactor fluxes, 21:19497
Helium-jet recoil transport method, 23:43578
Natural alpha radioactivity of Sm, 25:20391
Reaction (n,$\gamma\alpha$) induced by thermal neutrons, 22:29974
MACFARLANE, Richard R. Optimizing heat treatments for precipitation hardening superalloys, 21:14809
MACFARLANE, Ronald D. Alpha decay of the ^{221}Th and ^{222}Th decay chains, 25:15011
Alpha decay of the isomers of ^{214}Fr, 22:53203
Alpha-decay studies of the N = 127 isotones ^{214}Fr, ^{215}Ra, and ^{216}Ac, 25:7868
Anomalous beta—alpha anisotropy in the decay of ^{20}Na, 24:40583
Beta-neutrino correlations and recoil nuclear alignment effects in light delayed particle emitters, 25:28210 (CERN-70-30(Vol.1), pp 447-55)
Experimental results on the study of ultra-neutron deficient nuclei, 22:30026
On-line nuclear spectroscopy of short-lived isotopes, 25:17648
Prog. rpt. on on-line alpha and proton decay spectrometry, annual, 1970, 25:18737 (ORO-3820-7)
Prog. rpt. on-line alpha and proton decay spectrometry, annual, 6/15/68—12/31/68, 23:21332 (ORO-3820-1)
Prog. rpt. on-line α and proton decay spectrometry, annual, 1—12/69, 24:26600 (ORO-3820-3)
MACFARLANE, S. Handling of I and Tc by thyroid gland of rat, 22:14961
TSH test in persons having received iodine compounds, 22:38340
MACFARLANE, W. V. Tritiated water in the measurement of milk intake and tissue growth of ruminants in the field, 23:31632
MACFARLEN, S. Bromine-82 in thyroid gland of rats, 22:10689
MACFAUL, P. A. Ocular complications after therapeutic irradiation, 24:42007
MACGILLIVRAY, D. A. Development of high performance heat transfer surfaces for reactor fuel elements, 22:7852
MACGILLIVRAY, Margaret H. Immunologic function of thymus cells, 24:48451
MACGILLIVRAY, N. A. Technique for rapid and precise positioning of neutron depth probes, 21:16214
MACGILLIVRAY, Norman A. Effects of neutron source type on soil moisture measurement, 21:36417
MACGOVERN, Alan John Improvements in or relating to nuclear explosion detection systems, 24:348
MACGREGOR, A. Observation of galactic x-ray sources, 24:46930
MACGREGOR, A. E. J-dependence in 1 = 3 (d,p) transitions, 22:20522
J-dependence in l/sub n/ = 3 transitions in (d,p) reaction, 25:34063
Level positions of some Cu, Zn, Ga, and Ge isotopes, 21:38273
Levels of ^{48}Ti, ^{52}Cr, and ^{56}Fe using (p,α) reactions, 21:23461
Spectroscopic factors for (d,p) reactions with some calcium chromium, 24:49789
Study of ^{52}Cr, ^{54}Cr, and ^{56}Cr by the (t,p) reaction, 23:1840
MACGREGOR, A. G. Clinical and radiobiological consequences of therapeutic thyroid irradiation, 21:11036
Short term effects of x-radiation on goitrogen induced growth of the rat thyroid, 24:6113
MACGREGOR, D. D. Radiation-induced nitration of benzene, 22:51005
MACGREGOR, G. A. Evaluation of an LN_2-temperature solid state spectrometer for rocket borne experiments, 25:18654
Telescope for examining vertical intensity of cosmic ray fluxes, 22:37996 (UCID-15324)
Vertical and omnidirectional cosmic ray intensities as function of latitude and longitude, 23:30363 (UCRL-50502)
MACGREGOR, G. Allen Mobile telescope for examining vertical intensity of cosmic ray fluxes, 23:14000
Observation of solar x-rays with a solid-state detector, 25:919
MACGREGOR, J. P. Jervis Bay nuclear power station investigations for civil works. II, 25:34315 (NP-18797(Vol.2))
Jervis Bay Nuclear Power Station project investigations at site J.S1-Scottish Rocks, 25:15336 (NP-18636)
MAC GREGOR, James T. Metabolism and biliary excretion of phenanthridinium salts and other quaternary ammonium compounds, 24:46163 (UR-49-1335)
MACGREGOR, M. H. Conference on nucleon—nucleon interaction, Gainesville, Fla., 3/67, 21:37734
Evidence for linear meson systematics with baryon number N = 2, 25:28010
Extension of Kemmer-symmetric coupling to meson decays, 25:12199
Fine-structure constant $\alpha = e^2/hc$ as a universal scaling factor, 25:33631
Hadron rotational levels, 25:28009
Meson and kaon structure, 25:12200
Models for particles, 24:47398
Nucleon and hyperon structure, 25:7678
Space charge effects in high current linear electron accelerator injection systems, 21:38068
Unitarity corrections and four-pole fit to peripheral p-p scattering below 350 MeV, 21:9811
MACGREGOR, Malcolm H. Determination of nucleon—nucleon elastic scattering matrix. VI, 21:37841
Determination of nucleon—nucleon scattering matrix. VIII, 22:35014
Determination of the nucleon—nucleon elastic-scattering matrix. V, 21:19021
Determination of the nucleon—nucleon scattering matrix. VII, 22:35003
Determination of the nucleon—nucleon scattering matrix. IX, 22:50417
Determination of the nucleon—nucleon scattering matrix. X, 23:44671
Determination of the p—p elastic scattering matrix, 21:37846
Fine structure constant $\alpha = e^2/hc$ as universal scaling factor, 25:22713 (UCRL-72955)
Hadron spectroscopy, 25:28008 (UCRL-73073)
Listings of (p,p) and (n,p) data, 22:37161 (UCRL-50426)
N—N interaction, 1967: overview and conference summary, 21:37845
Nature of hadron rotational levels, 25:22816 (UCRL-72943(Rev.1))
Nucleon—nucleon interaction, 25:53834
Nucleon—nucleon interaction: phenomenological analyses, 23:15494 (UCRL-71436)
Nucleon—nucleon phase shift analyses by chi-squared minimization, 21:21580 (UCRL-14627-T)
Nucleon—nucleon scattering, 24:8564
Phase-shift analysis of (p,p) differential cross-section data, 23:25521
Phase-shift analysis of high-precision (p,p) polarization data at 19.7 MeV, 22:3256
Phenomenological analysis of (p,p) and (n,p) data up to 750 MeV, 23:19341 (UCRL-71145)
MACGREGOR, R. A. Bacterial leaching of U, 23:7611
Bacterial leaching of uranium, 22:30685
MACGREGOR, Robert A. Recovery of U_3O_8 by underground leaching, 22:18879
MACH, Dominik Systems of Y, Sm, Gd, Dy, Ho, and Er with Mn using amalgam method, 21:13195
MACH, K. Electron spin resonance studies of fundamental processes in radiation- and photo-chemistry. VI, 25:34641
Electron spin resonance studies of γ-radiolysis of α-aminobutyric acid, 25:37432
Electron spin resonance study of dissociative electron capture processes in gamma irradiated amino-acids, 22:2110
MACH, O. Biological and physical properties of a leukemogenic agent, 23:33910

MACH, P. Reaction of red blood cells in x-irradiated hens, exposed to 600-R doses twice within 17 days following oxytetracycline, vitamin B_{12}, and folic acid administration, 21:34746
MACH, Petr Reaction of white blood cells in cockrels irradiated twice with 600 R of x ray after treatment with oxytetracycline, vitamin B_{12}, and folic acid, 21:34750
MACH, R. Internal bremsstrahlung and mechanism of direct nuclear reactions, 25:12694
  Internal bremsstrahlung and the mechanism of direct nuclear reactions, 24:18449
  Internal bremsstrahlung and the pole mechanism of direct nuclear reactions, 23:28351
  Internal bremsstrahlung in pion-charge-exchange reaction and the reaction mechanism, 24:49373 (UJV-2439-F)
  Internal bremsstrahlung in the pion-charge-exchange reaction and the reaction mechanism, 24:43483
MACH, R. S. Body composition of hyperthyroid patients, 23:41207
MACHABELI, G. Z. Hydrodynamics of a magnetoactive plasma in the quasilinear approximation, 25:30532
  Nonlinear excitation of low-frequency plasma waves, 23:5413
  Quasi-linear approximation for magneto-active plasma with allowance for collisions, 23:5423
  Relaxation and temperature difference in quasi-linear approximation from calculations of collisions for magnetoactive plasma, 25:59007
MACHABELI, I. Z. Absorption of π mesons and α-cluster structure of light nuclei, 25:14893
  Absorption of π^- mesons and γ rays and nucleon correlation in ^{4}He, 21:29868
  Effect of rescattering and the absorption mechanism of stopped π^- mesons by Li nuclei, 25:12415
  Electron spallation of ^{4}He and ^{6}Li nuclei, 21:44548
  Reaction (π^+,NN) and two-hole excitations of light nuclei, 22:24829
  Reaction (π^+,pp) and the structure of Li nuclei, 23:42856
  Reactions (π^-,NN) and structure of Li nuclei, 23:19190
  Theory of (π^-,2N) reactions with stopping π^-mesons on light nuclei, 25:33968
MACHABLISHVILI, Sh. P. Influence of x-rays on growth-stimulating properties of extract from liver, 23:17944
MACHACEK, Vojtech Balance of fuel demand for 10000 MWel program with DOR-type reactors, 23:13514
MACHADO, F. Geological evidence for a pulsating gravitation, 21:30537
MACHADO, J. Ottilio L. Activity of ionizing radiation on fertile eggs of Triatomideos-Rhodnius prolixus, 25:19099
  Activity of ionizing radiation on fertile eggs of Triatomids Rhodnius prolixus, 25:46963
MACHADO, M. E. Thermal, turbulent, and macroscopic motions in loop prominence of May 4, 1960, 25:40282
MACHADO, Marcos E. Evidence for the photospheric origin of the flare optical continuum, 25:35722
MACHADO, O. V. B. Flow rate measurement of rivers and turbines using radioisotopes, 24:39042 (PRNC-135, pp 317-26)
  Radioactive tracers applied to the studies of sediment transportation, 24:39041 (PRNC-135, pp 307-16)
MACHADO DA SILVA, J. M. Low-temperature heat capacity of $CeAl_2$, 23:48989
  Low-temperature specific heat of $ErAl_2$, 25:45582
MACHAJ, Bronislaw Influence of leakage conductance on ionization smoke detectors, 23:31570 (INR-974)
  Measurement of boron content in glass by neutron absorption, 23:50195 (INR-1085)
MACHALA, O. Influence of uv-inactivated HVJ on RSV rescue in cultures of different virogenic mammalian cells, 24:36853
  Sendai virus-mediated rescue of RSV from virogenic mammalian cells, 24:2843
MACHALA, Oldrich Radioactive fall out at Prague in 1965, 21:8458
  Radioactive fallout in Prague, 1967, 23:21826
MACHALI, F. Elastic scattering of deuterons by ^{9}Be and ^{28}Si, 22:15958
  Energy levels of ^{18}F from ^{16}O(d,d)^{16}O, 23:21279
  Reaction ^{12}C(d,p)^{13}C, 24:45753
MACHALICA, Piotr Gas scintillation counter filled with argon, 22:12589
MACHALSKI, Krzysztof Jerzy Electrical properties of a homogeneous, magnetically active plasma, 23:16824
MACHARADZE, T. S. Identification of energy levels of light nuclei from cross sections of disintegrations, 21:44563 (ZFK-122, pp 111-18)
  Isospin selection in photonuclear reactions and structure of light nuclei, 23:25950
  Photodisintegration of the lightest nuclei, 21:44543 (ZFK-122, pp 101-10)
  Three-body problem in the oscillator basis, 25:53865
MACHARASHVILI, G. R. Quantitative determination of content of gold in certain faults by the neutron activation method, 24:18919
MACHARASHVILI, T. G. Use of anionites in the analytical chemistry of molybdenum, 24:11417
MACHAVARIANI, M. G. Chemical protection of the nuclei of leucocytes of human peripheral blood against x rays, 21:45679
MACHEK, J. Vasculo-circulatory factor in the central nervous system pathogenesis of the x-ray postirradiation effects, 22:33897 (BNL-12348)
  Vasculo-circulatory factor in the central nervous system pathogenesis of the x-ray postirradiation effects, 23:31920
MACHEKHIN, A. M. Angular distribution of shower particles in high-energy interactions, 22:21941
  Transmission of 4-dimensional momentum in interactions at 400 GeV, 22:15704
MACHEKHINA, T. A. Determination of nuclear amplitudes of W isotope scattering using neutrongraphic method, 24:1853
  Reciprocal geometry for phonon investigation using JINR IBR, 23:19117 (JINR-P14-4270)
MACHELEIDT, G. Cosmological model in the projective theory of relativity, 25:47311
MACHELEIDT, Gerd Cosmological universe model of projective field theory, 24:15633
MACHELL, E. S. Quantitated scintillation scanning for the measurement of lung perfusion, 23:45818
MACHEMER, R. Early changes in the epithelium of rat cornea after irradiation, 22:45411
  Effect of β rays on conjunctival epithelium in rat, 22:45655
MACHEMER, Robert Effect of β rays on DNA synthesis and mitotic activity in corneal epithelium, 23:2781
MACHEN, D. R. CAMAC systems at LAMPF, 25:59654
  Compact data acquisition and control terminal for particle accelerators, 23:28152
  Digital computer control of Bevatron inflection system, 21:21323 (UCRL-17273)
  Operator's console for LAMPF accelerator, 25:50385
  Process control computer at CERN Proton Synchrotron, 23:28146
  Standard interface concept for computer-controlled particle accelerators, 25:50368
MACHEN, Donald R. Digital control of the Bevatron—injector inflection trajectory, 21:11866 (LA-3609, pp 483-90)
MACHEN, Terry Evan Ion permeation in Th^{4+}-treated rabbit gall-bladder epithelium, 25:49085
MACHER, A. B(E2) ratio of transitions to first excited states in ^{185}Re and ^{187}Re, 24:3936
  First two excited states of ^{159}Tb, 25:5727
  Mean lives of first excited states in ^{181}Ta and ^{165}Ho, 24:30820
  Measurement of instantaneous energy stability of an accelerator, 23:49278
  Measurement of lifetimes by means of uhf fields, 23:49452
  Probabilities of M1 transitions in some odd nuclei of rare earth elements, 25:17934
  Study and realization of a pulsing system for a particle beam with a view to measuring the lifetime of excited nuclear states, 22:5700
MACHEREY, R. E. International symposium on plutonium fuels technology, 23:10155
MACHEREY, Robert E. Fast reactor fuels at Karlsruhe facility in Germany, 22:48657 (TID-24680)
  Fast reactor fuels at Karlsruhe facility in Germany, 11/68, 23:9200 (TID-24855)
MACHGEELS, C. New synthesis method for pulsed-neutron experiments, 22:24801
MACHI, S. Structure and properties of polyethylene produced by γ-radiation polymerization, 23:7566
MACHI, Sueo Application of radiation to the treatment of waste water, 25:44380
  Bubble formation in radiation-induced grafting of styrene to polyethylene, 24:2248
  Direct preparation of porous polyethylene filters, 24:9390
  Effect of alcohols on the gamma-radiation-induced polymerization of ethylene, 22:45130
  Effect of fluid motion on radiation-induced polymerization of ethylene in a tubular reactor, 25:46510
  Effect of oxygen on γ-radiation-induced polymerization of ethylene, 22:8136
  Effect of swelling on radiation-induced grafting of styrene to polyethylene, 25:10613
  Effect of the solvent on radioinduced polymerization of ethylene, 22:4167
  Effects of the temperature on the γ-radiation-induced polymerization of ethylene, 21:5929
  Flow method study of the gamma-ray-induced polymerization of ethylene, 21:32208
  Influence of agitation on gas-phase ethylene polymerization induced by γ-rays, 22:4179
  Initiation reaction in γ induced polymerization of ethylene, 21:1393
  Kinetics of the gamma-radiation-induced polymerization of ethylene in tert-butyl alcohol, 23:2339
  Kinetics of the γ-induced polymerization of ethylene in liquid carbon dioxide, 23:6157
  Liquid carbon dioxide as a solvent for the radiation polymerization of ethylene, 23:6160
  Mechanical properties of radiation-induced graft copolymers of styrene to polyethylene, 25:13042
  Mechanism of initiation in γ-induced polymerization of ethylene, 21:25892
  Morphology of polyethylene crystals as polymerized by γ-radiation, 23:24230
  Polyethylenes formed by the γ-radiation-induced polymerization in various alcohols, 22:2105
  Radiation polymerization of ethylene using carbon dioxide as reaction medium, 24:44055
  Radiation-induced grafting of styrene to polyethylene, 23:43335 (CONF-690805-4)
  Radiation-induced polymerization of ethylene, 21:23915
  Radioinduced polymerization of ethylene, 22:21105
  Radioinduced polymerization of ethylene. II, 24:31387
  Radioinduced telomerization and polymerization of ethylene in alcohols, 22:4166
  Single crystals of polyethylene produced by γ-radiation-induced polymerization, 22:23070
  Technique and safety measures in radiation polymerization of ethylene, 22:6333
  Two stage radiation polymerization of ethylene in the presence of a carbon dioxide medium, 25:6357
  Two-stage irradiation study on propagation and termination in γ-radiation-induced polymerization of ethylene in liquid carbon dioxide, 22:25426
MACHI, Sui Statistical observation of malignancy deaths among atomic bombing casualties, 21:13038
MACHIDA, Ch. Radioactive waste treatment in the Tokai Research Establishment, 25:21118
MACHIDA, K. Infrared spectra of sulfamide and sulfamide-d_4, 21:5860
MACHIDA, Katsunosuke Infrared spectra of acylureas and NN'-deuterated acylureas, 23:26232
MACHIDA, Kenji Performance of clinical linear accelerator, 25:59661
MACHIDA, Kikuo Catheter semiconductor radiation detector, 24:12193
MACHIDA, R. Irradiated peripheral nerve and digital joint homografts in monkeys, 21:16487
MACHIDA, Shigeru Composite model and Regge pole, 22:41816
  Conservation law or violation law, 23:25587
  Effects of the resonance scattering amplitude at high energies, 22:52979
  Nonstatic nuclear potential, 22:11993
  One-pion-exchange contribution in the Λ—N interaction, 21:40236
  Scattering phase shifts at high energies, 21:2455
  Statistical potential model, 21:25356
  Super exclusion principle for hadronic processes. I, 25:36477
  Super exclusion principle for hadronic processes. II, 25:40964
MACHIDA, Shoji Development study on luminescent chamber. II, 23:50171
MACHIDA, Tadao Measurement of the densities of coal piles with gamma-rays, 21:1661
MACHIDA, Takako Computation of dose distribution and its evaluation by digital computer for the intracavitary irradiation of uterine cervix cancer, 25:11058
MACHIDA, Yoshihiro Potentials for H atoms in normal and deuterated KH_2PO_4, 23:17401
MACHIELS, A. Electrochemical growth of NpO_2 single crystals, 24:30027
MACHIL'SKII, A. P. Calculation of heterogeneous reactor cell, 23:7417
MACHIROUX, R. Determination of impurities in zinc by neutron activation. II, 24:2160
  Determination of impurities in Zn by neutron activation. I, 22:44988
MACHIYAMA, Yoshihiko Accelerator with a pulsed output, 21:29818
  Cooling device of accelerating structure of ML-300 electron linac, 22:22503
  Medical 6 MeV linear accelerator, 25:28132
  Particle accelerator, 21:5454
  Particle accelerator, 21:5453
  Radiation-diaphragm device, 24:11728
MACHLAN, L. A. Uranium isotopic standard reference materials, 25:39412 (NBS-SPEC. PUBL-260-27)
MACHLE, W. Laser: medical and industrial hygiene controls, 21:10887
MACHLEIDT, Werner Improved method for amino acid analysis in the nanomole range, 24:41097 (LA-4405-tr)
MACHLIN, E. S. Effect of Re on lattice solid solubility of O in W, 23:8125
  Energy loss of protons channelling through very thin gold, 24:42502
  FIM imaging of solute atoms in dilute binary alloys, 23:1007
  Low-order proton channelling, 21:13393
  Proton channeling [111] in very thin Au crystals, 22:29575
MACHLIN, Eugene S. Field ion microscope investigation of oxygen in tungsten, 21:31023
MACHLIN, I. Conference on refractory metal alloys. Metallurgy and technology, Washington, D. C., 4/68, 23:18221
MACHLIS, Leonard Annual review of plant physiology. XIX, 25:10976
MACHMEIER, Paul Martin The effects of small additions of nitrogen and alloying elements on the mechanical properties of low alloy high strength weld metal, 25:16483
MACHMER, P. ESR of radicals in γ-irradiated heptasulphurimide S_7NH and tetrasulphurtetraimide, $S_4(NH)_4$, 24:38952
  Pure quadrupole spectrum of the ^{197}Au nucleus in the compound AuCl, 21:32184
MACHNIG, Oskar Shielding against radiation in a gas-cooled reactor, 21:25752
MACHTA, L. Strontium-90 fallout over Lake Michigan, 24:16695
  Use of natural radioactivities to estimate large-scale precipitation scavenging, 25:26390 (CONF-700601-, pp 465-74)
MACHTA, Lester Radioiodine fallout over midwest in May, 22:25541
  Radioiodine levels in US public health service pasteurized milk network from 1963—1968 and their relationship to possible sources, 25:8629
  Slope of surfaces of maximum tracer concentration in the lower stratosphere, 24:25138
MACHUDANI, Mamoru Serum proteins of atomic bomb survivors, 22:6839
MACHUKUMA, Genichiro Malignant disease in the atomic bomb survivors, 22:4652
MACHURIN, E. S. Annealing of radiation defects in monocrystals of copper, 24:12447
MACHUSMOTO, Chi Radiation-induced mandibular necrosis, 21:18164
MACIA, Gaspard Evolution of recurrent variations of the cosmic radiation during the solar cycle, 21:9360
MACIAG, R. J. Thermomechanical working of Astroloy, 24:25689
MACIAS, A. Ab initio calculation of harmonic force constants. II, 24:8325
  Ab initio calculations of harmonic force constants. IV, 25:11686
  Ab initio calculations of harmonic force constants. V, 25:52617
MACIAS, E. S. Buildup of radioactive products in thermal reactors. I, 23:7547 (ANL-7484)
  Buildup of radioactive products in thermal reactors. II, 23:9415 (ANL-7485)
  Buildup of radioactive products in thermal reactors. III, 23:24210 (ANL-7486)
  Daughter growth in freshly separated ^{226}Ra, ^{227}Ac, and ^{233}U, 21:1070 (ANL-7205)

Decay of ^{133}I to levels of ^{133}Xe, 24:52621
Decay of 40 d ^{103}Ru and 17 d ^{103}Pd to levels of ^{103}Rh, 23:37201
Decay scheme of 25 min /sup 131g/Te, 25:20428
Directional correlations of gamma rays in ^{125}Sb, 25:15137
Gamma—gamma directional correlations in ^{133}Xe following decay of ^{133}I, 25:46038
Radioactive decay of 23-min ^{131}Sb to levels of ^{131}Te, 25:46073
MACIAS, Edward S. Half-life variations of ^{131}I samples, 25:34104
MACIAS-MARQUES, M. I. Mass-differences in neutron-rich Sr Region, 25:28294 (CERN-70-30(Vol.1), pp 321-9)
MACIAS-MARQUES, Maria-Ines Electromagnetic transitions in ^{190}Pt, 25:56760
MACIASR, Frank M. Detection of biologic changes in animals exposed to low levels of ionizing radiation, 24:34074 (AD-700724)
Prog. rpt. on radiation effects on urine of rats, 11/64—10/65, 21:8667 (AD-631206)
MACIEL, Alice Studies of quadrupole interactions by means of angular correlations, 21:37614
MACIEL, Gary E. Carbon-13 chemical shifts of the carbonyl group. V, 21:30425
MACIEL, R. Three-band source spectra from color film, 25:10893 (EGG-1183-484)
MACINNIS, Martin B. Preparation of vapor-deposited tungsten at atmospheric pressure, 22:15160
MACINTRYE, W. J. Sensitivity and resolution in radioisotope scanning, 23:48103
MACINTYRE, W. J. Alteration of the quantitative distribution of radioactive materials as an index of hepatic cirrhosis, 22:38395
Comparison of data averaging of radioisotope scan data, 23:33420
Comparison of line spread functions of five- and eight-inch collimators, 23:33438
Sensitivity and resolution in radioisotope scanning, 23:33440
Use of data blending for /sup 99m/Tc brain scans, 22:25933
MACINTYRE, William J. Consecutive determination of cardiac output and renal blood flow, 24:25522
Data-averaging techniques in radioisotope scanning, 22:40804
Hydration, urine flow, renal blood flow, and renogram, 24:9894
Radioisotope technique for determination of cardiac output, 22:38342
Spatial recording of disappearance constants of ^{133}Xe washout from the lung, 25:6632
Three-dimensional computer read-out of radioisotope scan data, 22:12871
MACIOCE, L. Thermal decomposition of U_3O_8 powders, 25:32794 (RT/ING-(70)19)
MACIOROWSKI, F. L. Production of low-energy muons at sea-level, 24:15458 (CERN-69-28, pp 125-40)
MACIULAITIS, A. Circular channel magnetohydrodynamic experiments in a transverse magnetic field, 24:3226
Magnetoaerodynamic drag and flight control, 21:29231
MACIULATIS, Algirdas Prog. rpt. on MHD round pipe flow experiments, final, 1/65—11/67, 22:34337 (AD-665870)
MACIVER, Bruce N. Formation and initial stability of slopes on cohesionless materials, 21:39073 (PNE-5009)
MACK, Charles L. Internal radiation environment of cylindrical spacecraft, 22:13532
Van Allen belt simulation, 21:30765
MACK, Charles L. Jr. Lincoln accelerator laboratory, 21:12733 (AD-639962)
MACK, D. Optical potential for high energies, 23:16968
MACK, D. G. Changes in the upper ionosphere during severe magnetic storms, 23:27445 (N-69-14803)
MACK, Dick A. CAMAC: standard for digital data handling, 24:46160 (UCRL-20034)
Computer-controlled fast-logic circuits, 21:3343 (UCRL-17112)
Measurement of K^--mesonic x rays from Li, Be, B, and C, 21:20742
Summary of CAMAC: status and outlook, 25:57888
System of fast integrated circuit logic for physics instrumentation, 23:720 (UCRL-18166)
MACK, G. E2-parametrization of SL(2,C), 24:30538
Finite-component field representations of the conformal group, 23:42709
Fixed poles and light cone singularities, 25:33644
High-pressure gas scintillation detectors with position-independent pulse height, 22:6607
Irreducibility of ladder representations of U(2,2) when restricted to Poincare subgroup, 23:1656 (IC-68/86)
Irreducibility of ladder representations of U(2,2), 24:8703
Measurements on distribution of electronic transmission time in photomultiplier valve 58 AVP, 22:2461
Meson bremsstrahlung model taking phase space into account, 22:22417
Partially conserved dilatation current, 22:29750
Polarization of 15.85-MeV neutrons scattered by C, 22:5773
Polarization of 15-MeV neutrons by scattering on light nuclei, 25:53638
Reaction Xe(n,α)Te at neutron energies from 12.5 to 18.0 MeV, 22:3713
Theory of weak interactions with continuous-spin neutrinos, 25:7617
Theory of weak interactions with continuous spin neutrinos, 25:47812
Universality of deep inelastic lepton—hadron scattering, 24:40343
MACK, Gerhard High-momentum-transfer behavior of the electromagnetic form factor of the nucleon, 21:18952
Quantum fields and interactions of massless particles: the continuous spin case, 25:38783
MACK, Guenther Measurement of the angular distribution of neutron polarization from scattering of 15.85-MeV neutrons by C, 22:35225
Neutron polarization from reaction ^{3}H(d,n)^{4}He at 70°(lab.) at deuteron energies below 2 MeV, 23:1780
MACK, J. X-ray scattering by grains in direction of Crab pulsar and Sco XR-1, 24:23636
MACK, J. E. Detection of an anisotropic soft x-ray background flux, 22:8868
Galactic scattering and discrete sources as possible origins of the diffuse galactic x-ray background, 25:7105
Measurements of H/sub β/ profile in zodiacal light spectrum, 22:41468
X-ray observations of Virgo XR-1, 25:47242
MACK, John Detection of x-ray emission from 3C 273 and NGC 5128, 24:37073
MACK, John E. Role of soft galactic x rays in the alignment of interstellar grains, 25:19447
MACK, K. Experimental investigation of the wear characteristics of steel and alloys in liquid sodium, 25:22011 (KFK-1251)
Wear behavior of steels and alloys in liquid sodium, 24:19383 (EURFNR-696)
Wear characteristics of steel and alloys in liquid sodium, 24:21365 (KFK-973)
MACK, Paul J. EBR-II skull reclamation process. IV, 24:13991 (ANL-7614)
MACK, Pauline Beery Assessment of bone mass by roentgenographic density techniques, 25:4613 (CONF-680211-, pp 27-80)
MACK, R. A. Spectral and angular distributions of synchrotron radiation, 21:27463 (CEAL-1027(Rev.A))
MACK, Robert A. Conference on high energy accelerators, Cambridge, Mass., 9/67, 22:32236 (CEAL-2000)
MACKANESS, G. B. Effect of cytotoxic agents on cell-mediated immunity, 23:38506
MACKAY, C. Fate of trapped recoil atoms in heterogeneous reaction systems, 21:42994
MACKAY, C. D. Accurate position of a second pulsed radio source, 22:23962
Accurate positions of CP0950 and CP1133, 22:41260
Do radio stars exist, 22:8972
Structure of radio sources in $_3$C catalogue. II, 24:6317
Structure of radio sources in 3C catalogue. III, 24:15075
MACKAY, Colin Reaction of atomic carbon with fluorocarbons, 24:13969
Reactions of carbon atoms and methyane (CH) with hydrogen and ethylene, 22:2108
MACKAY, Craig D. 3C 386: radio galaxy or supernova remnant, 24:25876
Orientation of radio sources and elliptical galaxies, 25:30205
MACKAY, H. A. Characterization of carbon fabrics and filaments, carbonizing resins, carbon—carbon composites, and processing techniques, 23:27208 (SC-RR-68-651)
MACKAY, Harold A. Conversion of synthetic resins to amorphous carbon, 24:9199 (SC-RR-68-296)
Property and structure variation of CVD pyrolytic carbon-felt composites in relation to heat treatment, 25:41663 (SC-DR-70-871)
MACKAY, I. N. Large nuclear reactor shutdown system, 23:45148
Nuclear fuel sorting machine, 23:45152
Nuclear reactor with partial moderator dump, 24:2074
On-power liquid cooled bottom fuelled nuclear reactor, 24:5529
Reactor refuelling machine, 23:45153
Reactor support structure and shields, 23:45065
MACKAY, I. R. Radiation nephritis after gastric x-irradiation, 25:47025
MACKAY, Ian Norton Control system for large reactors, 23:9133
Nuclear fuel handling system, 23:17289
MACKAY, Ian R. Radiation nephritis after gastric irradiation for peptic ulcer, 23:50907
MACKAY, J. P. Indirect tritium assay of organic compounds, 24:41215
MACKAY, J. S. Effect of 20 μc ^{131}I doses on protein-bound iodine concentrations in serum, 22:51400
MACKAY, J. W. Effects of defect charge state on radiation damage in semiconductors, 22:36992
Impurity dependence of the low-temperature annealing in n-type germanium, 25:56331
Irradiation damage in n-type germanium at 4.2°K, 21:40070
Orientation and temperature dependence of electron damage in n-type germanium, 23:16505
Photo-induced annealing in n-type germanium, 22:36989
Review of radiation effects in germanium, 25:56303
Stored-energy release in electron-irradiated germanium, 23:3592
Subthreshold electron damage in n-type germanium, 22:17733
MACKAY, R. A. Fission product behavior in sodium systems, 21:4481 (BNL-10727)
MACKAY, S. D. Full power operation of Elk River Boiling Water Reactor, 22:18355 (ACNP-64546)
MACKAY, T. L. Corrosion and protection of beryllium in turbine engine applications, 22:41006
Effect of stress on microsegregation of H in Ti and Ti—8Al—1Mo—1V, 25:55476
Stress-corrosion susceptibility of Ti alloys, 24:10008
Tensile fracture of polycrystalline beryllium, 24:2949
MACKE, E. Reactivity values of Pu—U rod clusters by oscillation method, 24:43814 (EUR-4486)
Reactivity worths of Pu—U clusters, 23:37629
Temperature fluctuations in heating wall and in boiling liquid during nucleate boiling, 21:10528 (EUR-3162.f)
MACKE, J. F. Determination of Sr and Ba in rocks and sediments by neutron activation, 24:38784
MACKE, W. Gravitational oscillations of incompressible fluid spheres, 21:40127
Imaginary part of the optical potential for neutron scattering on heavy nuclei, 22:30069
MACKEEN, D. Corneal injury threshold to carbon dioxide laser irradiation, 22:51923
MACKEEN, Donald Focal hepatic injury and repair produced by laser radiation, 22:23630
Hepatic injury and repair by laser radiation, 22:31232
MACKELLAR, A. D. Bound and continuum state optical model codes for nonlocal potentials, 23:23753 (MIT-2098-492)
Dependence of off-energy-shell Brueckner reaction matrix elements for finite nuclei, 24:22230
MACKELLAR, Alan D. Brueckner theory in an oscillator basis. I, 22:53244
Equivalent local potentials derived from Hartree—Fock calculations, 24:43487
Equivalent local potentials obtained from separable two-nucleon interactions, 25:34175
High-energy nonlocal nucleon—nucleus optical potential for a central two-body force with second-order corrections to the impulse approximation, 22:50668
Low-energy neutron—oxygen scattering derived from two-body forces, 25:28198
Nonlocal potentials and their local equivalents, 24:45601
MACKENTHUN, W. Operational problems in nuclear power stations, 21:27707
MACKENTHUN, Werner Dodewaard: first Dutch nuclear power station, 23:52299
German development of prestressed concrete reactor pressure vessels, 22:53471
Uranium production and short-term requirements, 25:636
MACKENZIE, C. Properties of potato starch and its components after irradiation with high-energy electrons, 21:28389
MACKENZIE, D. R. Decay of ^{239}U, 22:11961
Neutron-capture gamma rays from the 14.1-eV resonance in ^{131}Xe(n,γ)^{132}Xe, 25:34100
Radiation-induced isomerization of hexafluorobenzene, 21:14247
Radiolysis of cycle fluorocarbons. II, 23:19781
Radiolysis of fluorocarbons, 23:47490
MACKENZIE, Donald R. Digital pitching sector control system for Sandia 18-inch hypersonic wind tunnel, 22:6220 (SC-DC-67-2120)
MACKENZIE, G. H. Beam transport system of the Michigan State University cyclotron, 21:38049
Extraction of multiple beams of various energies from TRIUMF negative ion isochronous cyclotron, 25:31109
Median surface of AVF cyclotron magnet, 25:3516
Some orbit calculations for TRIUMF, 25:50345
MACKENZIE, I. K. Coincidence technique for study of Ge(Li) detector profiles, 25:18759
Pressure dependence of positron annihilation rates in the alkali metals, 25:49455
Source of well-defined annihilation gamma rays, 21:7005
Temperature dependence of positron mean lives in metals, 21:46154
MACKENZIE, I. S. Nuclear magnetic resonance of holmium in a ferromagnetic alloy, 23:5475
MACKENZIE, J. D. Properties of V pentoxide, 23:27173
MACKENZIE, J. K. Neutron activation analysis determination of 14 rare-earth elements, 23:35041
Neutron activation determination of all 14 stable rare earth elements, 24:31264
Neutron activation for measuring bone calcium content, 25:10907 (N-70-31814)
Neutron-activation determination of Re and Eu in ores, 21:35864
Utilization of reactor pulses and subsecond half lives in neutron-activation analysis, 21:35879
MACKENZIE, James J. Corrections to Hartree—Fock approximation for homogeneous nuclear matter, 23:31085
Separable potentials for singlet (J = 0) and triplet (J = 1) partial waves of nucleon—nucleon system, 22:24676 (LA-DC-8138)
MACKENZIE, James John Separable potentials for the two-nucleon system, 21:34070
MACKENZIE, James W. Radio-frequency energy transport into the body, 21:30873
MACKENZIE, K. Berkeley synchrocyclotron improvement program, 24:28650 (UCRL-19447)
MACKENZIE, K. E. Magnetic suspension and guidance for high speed rockets by superconducting magnets, 23:29076
MACKENZIE, K. G. F. Thorotrast retention following angiography, 21:28658
MACKENZIE, K. R. Characteristics of photoionization plasma source, 21:17232
High power broadband frequency modulation of high Q resonators, 22:24764
Onset of anomalous plasma resistivity, 25:33262
Plasma dynamics and interaction with high-frequency fields, 23:25364 (AD-677296)
Plasma electron heating by absorption of cold electrons, 25:40594
Quiescent neutralized beam plasma with variable T/sub i//T/sub e/, 24:26186
Quiescent photoionized plasmas, 24:26219
Synthesized plasma generator, 23:10612
Two-stage, two-gap, light- and heavy-ion cyclotron study, 25:50343
MACKENZIE, Kenneth Turbulent resistivity, diffusion, and heating, 25:38344 (CONF-710607-52)
MACKENZIE, Kenneth R. Broadband modulation of high-Q resonators at high power levels, 21:29680 (UCRL-17372)
Plasma response to the sudden application of an electric field, 22:24329
MACKENZIE, L. A. Radiophosphorus in diagnosis of pigmented skin lesions, 21:26495
MACKENZIE, Malcolm Improvements in or relating to the production of glass bodies, 21:12515
MACKENZIE, Maxime Effect of whole body x irradiation on hemolymph proteins of Limulus polyphemus, 21:8907 (AD-635559)

MACKENZIE, S. J. Corrosion resistant pressure vessels, 24:21363
MACKEOWN, P. K. Interpretation of the charge ratio of cosmic-ray muons, 21:638
MACKERT, B. Treating radiation-induced brachial plexus paresis, 25:13480
MACKEWICZ, W. V. Thermophysical and heat transfer properties of alkali metals, 22:31343 (AGN-8195(Vol.1))
  Thermophysical and heat transfer properties of alkali metals, 22:51158 (AGN-8195(Vol.2))
MACKEY, G. W. Ergodic actions of Euclidean group and canonical commutation relations, 22:18006
MACKEY, George W. Mathematical foundations of quantum mechanics, 22:43918
MACKEY, H. J. Magnetomorphic oscillations in electrical conductivity of cadmium cylinders, 24:28438
MACKEY, J. H. Competitive trapping in Na disilicate glasses doped with Eu^{+3}, 21:5953
  Optical studies in x-irradiated high purity sodium silicate glasses, 21:5952
  Paramagnetic centres in irradiated, oxidized, and reduced Na silicate glasses, 25:36278
MACKEY, J. Linn Different hydrated forms of the ethylenediaminetetraacetato complexes of the rare earths, 25:68 (CONF-700403-(Vol.1), pp 277-92)
MACKEY, Jacob E. kappa-meson mass and weak-decay parameters from a study of K/sub l3/ form factors, 22:46381
MAC KEY, James Mutagenesis in wheat, 22:51535
MACKEY, John H. Substitutional-Al-related hole centers in synthetic α-quartz, 24:47315
MACKEY, T. S. High integrity beta radiation sources, 24:14186
  High integrity beta radiation sources, 25:46590 (CONF-700646-, pp 57-67)
  Method of making a ^{90}Sr radiation source, 23:16048
  Preparation of ^{90}Sr silicate and its fabrication into high-intensity beta sources, 23:2527
  Preparation of ^{90}Sr silicate beta sources, 23:13951 (ORNL-4340)
MACKH, H. Proton separation energies derived from (d,^{3}He) reaction on f-p shell nuclei at 52 MeV, 23:44880
MACKI, James M. Corrosion behavior of uranium-base U—Nb, U—Nb—Zr, and U—Mo alloys in hydrochloric acid and ocean water, 25:32646 (RFP-1586)
  Galvanic corrosion behavior of uranium alloys in hydrochloric acid and ocean water, 25:24539 (RFP-1592)
MACKI, James Michael Electric conductivity of pure and doped Dy_2O_3 and Gd_2O_3, 24:1074
MACKIE, J. F. R. C. 13 ionization chamber, 22:49066 (AERE-R-5800)
MACKIE, R. D. L. Absolute efficiency of a γ-ray transmission circular polarimeter, 24:9713
  Transfer matrix analysis of γ-ray transmission circular polarimeters including the contribution of single and multiple scattering, 24:2529
MACKIEWICZ, H. Cerebral gammography with /sup 99m/Tc, 24:34469
  Distortions in gamma camera scintigraphic pictures, 24:31681
  Scintigraphy of symptomless metastases of mammary cancer in the spine, 23:48106
  Scintillation camera and 1600-channel analyser for the diagnosis of metastatic cancer of the liver, 23:48145
MACKIEWICZ, Henryk Strontium-87m scanning of bones, 22:38343
MACKIEWICZ, S. Effect of microwave irradiation upon capillary circulation, 23:29891
MACKIEWICZ, Stefan Effect of microwaves on capillary circulation in muscles of extremities, 23:2974
MACKIN, James L. Beta dosimetry for fallout hazard evaluation, 25:49170 (AD-715017)
  Beta radiation dosimetry for fallout exposure estimates, 24:9825 (AD-693160)
  Experimental investigation of plant uptake contamination factors, 24:7711 (AD-694531)
MACKIN, R. J. Jr. Killing and photoreactivation of Streptomyces griseus Conidia by vacuum-ultraviolet and far-ultraviolet radiation (1500 to 2700 A), 21:45852
MACKINNEY, Archie Application of radioisotopes in urological diagnosis, 23:38637
MACKINNON, A. Distribution of uranium in some basic igneous cumulates and its petrological significance, 25:54809
MACKINNON, B. A. Australian National Univ. atomic beam polarized negative ion source, 25:53464
  Deuteron beam intensity and polarization obtained from a strong-field ionizer, 21:21346
MACKINNON, James Milne Nuclear reactors, 25:18108
MACKINNON, L. Acoustic-surface-wave energy-gap and mixed-state study of Pb films, 24:40021
MACKINNON, R. F. Effects of winds on acoustic—gravity waves from explosions in the atmosphere, 22:26302
  Effects of winds on atmospheric pressure waves produced by hydrogen bombs, 22:30725
  Microbarographic oscillations produced by nuclear explosions, 22:42883
MACKINNON, Robert F. Atmospheric vertical energy flux due to a ground disturbance, 23:27474
  Comparative study of ground-pressure waves in various atmospheric models, 22:47248
MACKINTOSH, A. R. Antiferromagnetism in Cr alloys. I, 21:2319
  Crystal fields and the magnetic properties of praseodymium and neodymium, 24:45347
  Electronic structure and phase transitions in ytterbium, 24:12899
  Electronic structure of rare-earth metals. II, 22:24436
  Energy bands and magnetic ordering in terbium, 23:5473
  Exchange interactions in rare earth metals, 25:5213
  Magnetic anisotropy in rare-earth metals, 25:3208
  Magnetic interactions in Tb and Tb—10 percent Ho from inelastic neutron scattering, 22:15583,
  Magnetism in the light rare earth metals, 25:47641
  Magnon dispersion relation in rare earth metals from inelastic neutron scattering, 22:24393 (CONF-670502-, pp 307-9)
  Magnon interactions in terbium, 24:24161
  Positron annihilation in rare earth single crystals, 22:24024 (CONF-670502-, pp 487-94)
MACKINTOSH, Ian William Geiger—Mueller tube with window and internal helix, 23:19958
  Improvements in and relating to Geiger—Muller tube, 22:4452
MACKINTOSH, R. S. Gamma band in Er and Dy, 23:49464
  Inelastic scattering of very low energy pions from nuclei, 25:28244
  Non-rigidity in alpha scattering from deformed nuclei, 23:49463
MACKINTOSH, Raymond S. Collective contribution to the nuclear optical potential, 25:25816
  Importance of inelastic processes in stripping reactions of ^{24}Mg, 25:46006
  Study of inelastic processes on (d,p) reactions in deformed nuclei, 25:43984
MACKINTOSH, Raymond Stuart Theoretical analysis of nuclear reactions involving strongly deformed nuclei, 24:52650 (UCRL-19529)
  Theoretical analysis of nuclear reactions involving strongly deformed nuclei using phenomenological models, 25:23101
MACKINTOSH, W. D. Determination of surface contamination on silicon by large angle ion scattering, 23:18744
  Investigations of fluorine deposits on Zircaloy surfaces by proton activation, 24:5639
  Photon activation analysis of O and C in eutectic mixture, 24:45
  Radiolytic gas production in liquid control elements for reactors, 21:38430 (AECL-2670)
  Rutherford scattering and channeling for chemical analysis of surfaces, 23:19646
  Stopping cross sections for 0.3- to 1.7-MeV helium ions in silicon and silicon dioxide, 25:52888
MACKINTOSH, William D. Charged-particle activation analysis, 24:5619
MACKLEY, A. D. Engineering Test Reactor flux stabilization, 21:35747
MACKLIN, B. A. Chemical vapor deposition of iridium, 22:7041
  Commercial chemical vapor deposition of refractory materials, 22:7046
MACKLIN, Carol E. Responses of plants to ionizing radiation, 24:39462 (ORNL-4446, pp 66-75)
MACKLIN, L. Evaluation of nuclear fuel cycle costs, 24:16195
MACKLIN, R. L. Absolute neutron yields from thick target /sup NAT/C(α,n), 22:13939
  Capture-cross-section studies for 30- to 220-keV neutrons using new technique, 21:38365
  Carbon-12(α,γ)^{16}O capture cross section below 4.1 MeV, 25:7819
  Cross sections ^{204}Pb(n,γ) by activation between 10 and 200 keV, 23:42944
  Fast neutron and gamma ray risetime differences in large NaI(Tl) crystal, 24:11790
  Fast neutron capture cross section facility, 25:20149
  Gamma flash suppression for ORELA pulsed neutron source, 25:17621
  Manganese bath measurements of eta of ^{233}U and ^{235}U, 21:7767 (CF-60-2-84)
  Neutron capture and stellar synthesis of heavy elements, 21:28948
  Neutron capture cross sections and the s-process, 21:35438 (ORNL-P-3052)
  Neutron capture cross sections of ^{13}C and ^{16}O, 25:45924
  Neutron induced background effects in gamma-ray spectrometers for use in space, 23:41046 (ORNL-TM-2675)
  Neutron total cross section of ^{204}Pb for 5 < E/sub n/ < 80 keV and of ^{208}Pb for 25 < E/sub n/ < 84 keV, 21:13867
  Nonresonant neutron capture in ^{207}Pb, 25:12539
  Proton reaction analysis for lithium and fluorine in graphite, using slit scanning technique, 22:37650 (ORNL-TM-2238)
  Proton reaction determination of lithium and fluorine in molten salt reactor graphite, 22:47101
  Proton recoil monitor for neutron flux measurements, 25:18763
  Quantitative tests for s process in stellar nucleosynthesis for solar system material, 21:46056
  Recent neutron-capture data at stellar temperatures, 22:4976
  Response of 25 cm^{3} Ge(Li) detectors to neutrons: shielding factors, 24:2466
  Study of ^{10}B(n,α)^{7}Li, ^{7}Li*, for 30 < E/sub n/ keV < 500, 22:13946
  Total cross section (^{12}C(d,n)^{13}N) from 1.2 to 4.5 MeV, 23:42865
  Use of a pulsed Van de Graaff accelerator and time-of-flight techniques to reduce backgrounds in (α,γ) spectroscopy experiments, 25:20148
  Were the lightest stable isotopes produced by photodissociation, 25:826
MACKLIN, Richard L. ^{12}C(α,γ)^{16}O capture cross section below 3.2 MeV, 24:49760
MACKLIN, W. C. Isotopic composition of hailstones, 24:4357
MACKO, P. Influence of neutron irradiation on characteristic quantities of GeSi, 24:51808
MACKO, Pavel Influence of neutron radiation on change of certain physical parameters of semiconductors of the types Te—Se—Bi and Te—Sb—Bi, 22:20086
  Influence of neutron radiation on semiconductor GeSi, 24:35545
  Thermoelectrical parameters of fast-neutron-irradiated Te—Se—Bi, Te—Sb—Bi, and GeSi, 25:45551
MACKOUSE, E. M. Radiative corrections to inelastic $e^{-}p$ scattering, 25:59366
MACKOWSKI, J. M. Fabrication and utilization of lithium-drifted silicon detectors, 25:8546 (LYCEN-6847)
MACKRODT, W. C. Approximate single-center perturbation calculations. I, 25:24871
MACKWORTH, A. J. Binding between gas bubbles and grain boundaries, 25:4850
MACLACHLAN, A. Flash photolysis of a substituted hexaarylbiimidazole and reactions of the imidazolyl radical, 25:54561
  Reaction rates of alkyl and peroxy radicals with copper ion: pulse radiolysis studies, 22:2113
MACLACHLAN, J. Comments on the use of superconducting beam transport magnets, 24:52274 (TID-25473(Vol.1), pp 109-11)
  High-quality unseparated beams, 24:52266 (TID-25473(Vol.1), pp 41-53)
  NAL on-line computing facilities, 24:52317 (TID-25473(Vol.3), pp 145-64)
MACLACHLAN, J. A. Jr. Beam abort system for NAL 500 GeV synchrotron, 25:50529
MACLAUGHLIN, D. E. Anomalous nuclear spin—lattice relaxation in the mixed state of superconducting niobium, 23:30508
  Impurity-localized magnetic moments in type-II superconductor, 24:23938
  Magnetic field distribution in superconducting Nb, 24:30295
  Nuclear spin—lattice relaxation in pure and impure superconducting indium, 22:13391
  Nuclear spin—lattice relaxation in pure and impure indium. I. Normal state, 25:36349
  Nuclear spin-lattice relaxation in superconducting Nb, 24:30294
  Suppression of nutation angle variation in pulsed NMR, 24:45371
  Zero-field nuclear spin relaxation and resonance absorption in superconducting aluminum, 21:37370
MACLAUGHLIN, Douglas Earl Zero-field nuclear relaxation in superconducting aluminum, 21:33349
MACLEAN, Charles J. Permanent dentition in Japanese children, 23:33802
MACLEAN, Clive Improvements in welding thermocouples, 23:46024
MACLEAN, J. Pathophysiology of Fasciola hepatica infections, 24:11921
MACLEAN, J. M. Pathophysiology of infections with normal and irradiated metacercariae of Fasciola hepatica, 25:24310
MACLEAN, L. M. Pressure variation between concentric cylinders after rapid heating of the inner cylinder, 21:32314 (UCRL-70472)
MACLEAN-ELRICK, Alexander Improvements in the swaging of metals, 22:6521
MACLENNAN, C. G. Drift mirrow instability in magnetosphere, 24:5094
  Midlatitude geomagnetic pulsations during March 7, 1970 solar eclipse, 25:40485
  Proton drift echoes in the magnetosphere, 25:11801
  Quiettime observation of Pc-4 micropulsation at synchronous altitude, 25:47397
  Radial diffusion of outer-zone electrons, 24:51528
  Radial diffusion of outer-zone electrons, 25:5002 (AD-710604)
MACLENNAN, D. A. Adsorbate effects in electron ejection by rare-gas metastable atoms, 23:20675
  Role of work function in electron ejection by metastable atoms, 23:20674
MACLENNAN, D. N. Data logging by small computer, 21:8637 (AERE-R-5306)
MACLEOD, A. C. High-temperature adiabatic drop calorimeter, 21:34262
  High-temperature adiabatic drop calorimeter, 22:4881
  High-temperature thermodynamic properties of uranium dicarbide, 23:16531
  High-temperature thermodynamic properties of uranium monosulphide, 25:54584
MACLEOD, A. M. Mechanism of the ^{16}O(p,p'α)^{12}C and ^{20}Ne(p,p'α)^{16}O reactions at 13 MeV, 21:11979
  Proton nuclear reaction cross sections in O and Ne at 13 MeV, 21:11978
  Wilson expansion cloud chamber for operation on an electron linear accelerator, 24:4450
MACLEOD, C. J. Reactor instrumentation, 23:746
MACLEOD, C. M. Organoleptic evaluation of low-dose irradiated chicken, 23:38904
MACLEOD, Cathel A. Constrictive pericarditis following irradiation therapy, 23:20407
MACLEOD, G. R. Computers and computation in experimental high energy physics, 24:28464 (CERN/DD/DH-69/8)
  Computers and computation in experimental high-energy physics, 25:55050
  Use of computers in high energy physics experiments, 23:7894
MACLEOD, J. K. Mass spectrometry in structural and stereochemical problems. CXXXVI, 21:42923
  Structures of ions produced in single and double McLafferty rearrangements, 23:24193
MACLEOD, J. M. Flux densities of radio sources at a wavelength of 2.8 cm, 23:51254
  Radio source VRO 42.22.01, 22:36666
  Rapid radio variations in BL Lac, 23:41825
MACLEOD, John M. Observations of four H II regions at 2.8 cm, 23:8401
MACLEOD, Malcolm A. Influence of neutral wind field on distribution of ionization in E region, 23:16722
MACLEOD, R. D. Labeling of pericycle cells with ^{3}H-thymidine, 22:47479
MACLEOD, W. M. Quantitated scintillation scanning for the measurement of lung perfusion, 23:45818

- MACLIN, A. P. Charge-exchange scattering of pions on ^{14}N, 25:45946
- MACLOWRY, James D. Prevention of radiation nephritis, 22:40753
  - Seldinger catheter in radiation therapy, 21:39465
- MACMAHON, Alan B. Anomalous diffusion in a weakly turbulent plasma, 21:42085
  - Collisionless shock waves in high β plasmas, 2, 23:5314
- MACMAHON, B. Epidemiological studies in human radiobiology, 22:10848
- MACMAHON, Brian Epidemiologic aspects of cancer, 23:41484
- MACMAHON, Charles E. Rectal reaction following radiation therapy of cervical carcinoma: particular reference to subsequent occurrence of rectal carcinoma, 25:24445
- MACMAHON, T. D. Energy released by beta radiation following fission. I, 25:28407
- MACMAHON, T. J. Attenuation cross-sections for 650 MeV deuterons, 21:23414
- MACMILLAN, D. B. 05R users manual, 22:29831 (KAPL-M-6741)
  - Asymptotic formulas for approximate numerical solution of the reactor kinetics equations, 24:20623 (KAPL-P-3875)
  - Asymptotic methods for systems of differential equations in which some variables have very short response times, 21:35577 (KAPL-P-3341)
  - Asymptotic numerical solution of the reactor kinetics equations, 21:21640 (KAPL-M-6581)
  - Comparison of statistical estimators for neutron Monte Carlo calculations, 21:11955
  - Monte Carlo criticality calculations for thermal reactors, 21:38547
  - Probability distribution of neutron populations in a multiplying assembly, 24:18767
- MACMILLAN, Donald B. Asymptotic formulas for initial-value problems of non-linear differential equations, 21:40559 (KAPL-3359)
- MACMILLAN, I. Fluorox plant for production of UF_6 in fluidized-bed reactor, 21:24076 (PEL-121(Vol.2), pp 110-25)
  - Production of UF_6 in 4 in. diameter fluidized-bed reactor, 21:24077 (PEL-121(Vol.2), pp 126-51)
  - Prog. rpt. on extraction metallurgy, 12/65, 21:24074 (PEL-121(Vol.2))
- MACMILLAN, I. C. Conversion of uranyl fluoride (UO_2F_2) to uranium tetrafluoride (UF_4), 21:24078 (PEL-121(Vol.2), pp 152-69)
- MACMILLAN, J. H. Improved reactor efficiency, 23:49531
- MACMILLAN, James D. Function of carotenoids in protection of Rhodotorula glutinis against irradiation from a gas laser, 21:26696
  - Lethal photosensitization of microorganisms with light from a continuous-wave gas laser, 21:22803
- MACMURDO, K. W. Binary and ternary fission of ^{238}U induced by intermediate-energy ^{3}He ions, 24:6941
  - Half-lives of ^{245}Cm, ^{246}Cm, and ^{248}Cm, 25:46085
  - Neutron-induced fission cross sections for ^{244} ^{248}Cm and ^{249}Cf, 25:36721 (DP-MS-70-95)
- MACNAB, Robert M. Electronic absorption and fluorescence spectra of anthracene, [D_{10}]-anthracene, and acridine in n-alkane matrices at 4°K, 24:48090
- MACNABB, M. V. Plutonium utilization in boiling-water reactors: a review of EEI-GE joint program, 22:6021
- MACNABB, W. V. Comparison of recycle in LWR's and HTGR's, 25:6056
  - Economic considerations of plutonium utilization in boiling-water reactors, 22:6024
  - Economics of recycle in LWR's and HTGR's, 24:50144 (CONF-700401- [illegible] p 710-25)
  - Exposure distribution at the end of a power reactor fuel cycle, 23:4731 [illegible] (CNM-R-2(Vol.3), pp 1398-1406)
  - Indifference value of ^{233}U in an HTGR, 25:6057
- MACNAIR, Richard N. Prog. rpt. on materials and systems for protection against flashblindness effects of nuclear detonations, Phase I, final, 6/63—5/64, 23:41346 (AD-688692)
- MACNAUGHTAN, Donald Jr. Gas chromatographic studies of rapid repeated injections of samples into a column, 25:23429 (COO-1222-43)
- MACNAUGHTON, J. Experiments measuring particle widths and the width of the ω, 25:56430
  - Observation of Regge-pole effect in rho$^0\Delta^{++}$ and $\omega^0\Delta^{++}$ production at 3.7 GeV/c, 24:45441
  - π^+p elastic scattering at 3.6 GeV/c, 25:59292
  - Reaction $\pi^+p \rightarrow \Delta^{++}A_1^0$ at 3.7 GeV/c, 25:3272 (UCRL-20050)
  - Single-pion production in K^+p interactions at 4.6 GeV/c, 25:30748
- MACNAUGHTON, J. N. Further study of H(990) effect, 23:39613 (UCRL-19229)
  - K^+p elastic scattering at 4.6 GeV/c, 25:5296
  - Omega π^0 interference effect in $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$ interaction, 24:5257
  - ωrho^0 interference effect, 23:42559 (UCRL-18894)
  - Production ratios (phi/ω and eta/eta') in reaction $\pi^+p \rightarrow \Delta^{++}$ + boson at 3.7 GeV/c, 23:39612 (UCRL-19225)
- MACNAUGHTON, James I. Regional oxygenation and radiotherapy. II, 25:46943
  - Regional oxygenation and radiotherapy. I, 25:46942
- MACNEAL, N. Theoretical studies of the response of fast reactors during sodium boiling accidents, 22:20832
- MACNEIL, Paul Ernest Proton—proton scattering at high energy, 25:47899
- MACNEIL, R. L. Structure shielding from simulated fallout gamma radiation, 21:6485 (AD-641134)
- MACOMBER, H. K. Influence of back-coupling and distortion in a charge-exchange reaction, 22:9011
- MACOMBER, W. Brandon Radiation in dentistry, 23:29645
- MACONDRAY, F. W. Rapid Mapper: a data-acquisition system for large-scale magnetic field measurements, 22:10653
  - Square-loop flux standard: a precision pulse generator, 22:10652
- MACONDRAY, Frederick Magnetic measurements of TAMVEC, 88-inch sector-focused cyclotron, 21:42485 (UCRL-17640)
- MACONDRAY, Frederick W. Rapid Mapper: data acquisition system for large-scale magnetic field measurements, 22:12685 (UCRL-17642)
  - Square loop flux standard: precision pulse generator, 22:12684 (UCRL-17639)
- MACOSKO, R. P. SNAP-8 breadboard system: operating experience, 23:17260 (N-68-33238)
- MACOSKO, Robert P. Performance of experimental SNAP-8 power conversion system, 23:31211 (N-69-20868)
  - Results of endurance tests of SNAP-8 turbine-alternator, 23:31212 (N-69-20913)
- MACOVEI, M. Beam modulating system for the cyclotron, 21:37972
  - Sweeping system for the cyclotron external beam, 23:42816
- MACPHAIL, I. Experimental work on the Nb—Sn constitution diagram and related studies, 24:42145
  - Mechanism and kinetics of growth of Nb_3Sn, 23:20867
- MACPHEE, Donald G. Recombination-deficient mutants of colicinogenic Salmonella typhimurium detected by their failure to produce colicin, 25:21984
- MACPHEE, J. Economics of UO_2 fuel for research reactors, 21:14093
  - PULSTAR: slightly enriched UO_2 fueled reactor, 23:47239 (CNM-R-2(Vol.1), pp 408-49)
- MACPHEE, J. Anthony Bell-shaped pH-rate profile for an oxidation. The reaction of permanganate with hydroxycyclohexanecarboxylic acids, 25:54575
- MACPHEE, John Comparison of natural- and forced-convection cooling for a pulsed uranium-oxide reactor, 21:8094
  - Pulsing nuclear reactor, 23:49589
- MACPHERSON, H. G. Molten salt reactor shows most promise to conserve nuclear fuels. II, 21:19415
  - Molten salt reactor shows most promise to conserve nuclear fuels. I, 21:19414
  - Molten salt reactors, 24:18683
- MAC PHERSON, M. R. Adjustment of MOS transistor threshold voltage by ion implantation, 25:39778
  - Magnetic susceptibility of cerium metal under pressure, 25:12018
- MACPHERSON, Malcolm Reid Pressure dependence of the magnetic susceptibility of cerium, 25:33462
- MACPHERSON, R. E. Design and operation of stainless steel forced-circulation boiling-potassium corrosion-testing loops, 24:4398 (ORNL-TM-2595)
  - Development of a 500-kw NaK-to-air radiator, 22:10484 (ORNL-4159)
  - Development of integrally finned dryer—superheater tubes for potassium Rankine Cycle boilers, 25:39624 (ORNL-TM-3383)
  - Fast reactor safety conference, 22:22746
  - Niobium—1 percent zirconium boiling-potassium forced-circulation loop test, 23:6641 (ORNL-4301)
  - Sodium burning and aerosol release, 22:32783 (ORNL-TM-1937)
  - Techniques for stabilizing liquid metal pool boiling, 21:36231 (ORNL-P-3188)
- MACQ, P. Elastic and inelastic scattering of α particles on ^{20}Ne and ^{22}Ne, 25:36697
  - UCL isochronous cyclotron conceptual design and status report, 25:31094
- MACQ, P. C. Collective levels in ^{32}S, 21:29921
  - Elastic scattering of 23 MeV alpha particles on ^{40}Ca, 23:49370
  - Elastic scattering of 23-MeV alpha particles by xenon, 21:29985
  - Elastic scattering of 23-MeV alpha particles by ^{48}Ca, 25:20310
  - Experimental test of the analogy between muon and radiative pion capture, 22:26572
  - Hyperfine effect in the mu-mesonic ^{11}B atom and information on ^{11}Be from muon capture measurements, 23:7229
  - Information on ^{11}Be from muon-capture measurements, 23:44832
  - Method to measure neutrino-gamma angular correlation in muon-capture, 22:7764
  - Muon capture in B and O, 22:9785
  - Muon partial capture rate measurements in ^{6}Li, ^{11}B, and ^{16}O, 23:30962
  - Muon partial capture rates in ^{16}O and the induced pseudoscalar coupling constant in muon capture, 23:23635
  - Partial muon-capture rate measurements in ^{16}O, 23:44833
  - Polarization parameter in π+-p and pp elastic scattering from 6 to 12 GeV/c, 21:9711
- MACQUEEN, K. F. Canadian studies on applications of isotopes and radiation in agriculture and food preservation, 25:52279 (A/CONF.49/P-162)
  - Effect of gamma radiation on vitamin content of enriched flour, 25:8816
  - Food irradiation and its future prospects, 22:28727
  - Gamma irradiation to extend postharvest life of fruits and vegetables, 22:23696
  - Potential role of radiation in alleviating some world food problems, 21:41523 (AECL-2873)
  - Potential role of radiation in alleviating some world food problems, 22:17063
  - Worldwide outlook for food irradiation, 24:17188
- MACQUEEN, R. M. Infrared observations of the outer solar corona, 23:8411
- MACQUEEN, Robert M. Far-infrared measurement of the solar minimum temperature, 24:10309
- MACQUEEN, Robert Moffat Infrared observations of the outer solar corona, 23:1132
- MACRAE, A. U. Device fabrication by ion implantation, 25:37676
  - Electronic and lattice structure of cesium films adsorbed on tungsten, 23:27699
  - Isothermal annealing of boron implanted silicon, 25:27854
  - Optical detection of surface damage in GaAs induced by Ar ion implantation, 24:51811
  - SB-IGFET, II: an ion implanted IGFET using Schottky barriers, 23:35556
  - Some properties of ion implanted boron in silicon, 23:42455
- MACRAE, G. Control system for the LMFBR demonstration plant, 24:46025
  - PASET: transient code for plant analysis of Na voiding, 24:7112
- MACRAE, G. S. Radiative neutron capture facility at Univ. of Toronto, 24:52339
- MACRAKIS, M. S. Steps and facets on a Re surface, 24:14799
- MACRAKIS, Michael S. Scattering processes in collisionless plasmas, 21:11623 (N-66-19146)
- MACRES, V. G. Shielded x-ray microprobe for the analysis of radioactive samples, 25:26156
- MACRI, C. Contrast enhancement of scintigrams and camera-scintiphotos of different organs, 24:9899
  - Lung scanning: advantages and pitfalls of photoscanning, 23:41381
  - Scintigraphic and angiographic exploration of the pancreas in a case of insulinoma: presentation of a new scintigraphic technique, 23:6522
  - Thyroid and metabolism of Ca and P. I, 21:8716
- MACRIS, B. J. Post-irradiation inactivation of horseradish peroxidase, 25:49113
- MACRIS, C. J. Difference of the chromospheric background intensity between the equatorial and polar regions of the sun, 21:46084
  - Eruptive prominence on solar disk on 1/29/68, 23:10396
  - Lifetime of dark and bright mottles of the solar chromosphere, 24:17563
  - New observational results for the solar chromosphere, 24:28026
- MACRIS, Constantin Millimeter wave outbursts of November 1 and 2, 1968, 24:10293
- MACRIS, Constantin J. Active region of the Sun during three rotation periods, 23:36371
  - Dynamics of solar chromosphere and eruptive phenomena, 24:42421 (AD-702147)
  - Variation of the size of flocculi from the centre to the limb of the solar disc, 23:5170
- MACROBERTS, M. D. J. Programs for computer control of EPA, 22:37215 (LA-DC-9415)
- MACROBERTS, Martin D. J. Numeric solution of the fundamental mode of cylindrically symmetrical resonant cavities, 23:46865 (LA-4219)
- MACSSON, Ragnar On-load fuelling of a water reactor, 21:31959
- MAC-VEIGH ALFOS, J. Potential economic development of Province of Almeria, 23:49618
- MAC-VEIGH ALFOS, T. Transport triumph at Zorita, 24:30961
- MACVICAR, J. Effect of therapeutic radiation upon urinary excretion of nucleases and deoxyribosides in human patients with carcinoma of the cervix uteri, 22:28325
- MACVICAR, M. L. A. Anisotropic energy-gap measurements on superconducting niobium single crystals by tunneling, 22:26332
  - Anisotropy of the niobium energy gap by a single-crystal tunneling technique, 22:2977
  - Case for a second energy gap in superconducting niobium, 25:11830
  - Detail in the tunneling characteristics of superconducting niobium single crystals, 22:26334
  - Distribution of energy gap in k space for superconducting Nb, 24:42630
  - Evidence for a second energy gap in superconducting niobium, 24:6476
  - Investigation of superconducting-energy-gap behavior of single-crystal rhenium by tunneling, 25:56067
  - Selection rule for tunneling from superconductors, 24:6493
  - Tunneling into a superconducting rhenium single crystal, 24:37418
- MACVICAR, Margaret L. A. Fermi surface and delta (K) of superconducting Nb, 24:23889 (AD-698270)
  - Superconducting energy-gap behavior of single-crystal Re by tunneling, 25:45392 (AD-718415)
  - Tunneling into superconducting rhenium single crystals, 25:14147 (AD-711826)
- MACVICAR, T. D. Laser beam filtering by saturable dyes, 25:31747 (UCRL-51008)
- MACVICAR-WHELAN, P. J. Cross section for metastable production in low-energy He^+—He collisions, 24:17693
  - Detection and measurement of precursor ionization in an electromagnetic shock tube, 21:37427
- MACVITTIE, T. J. Radioresistance of bacteria, 23:22446
  - Residual injury in hematopoietic system of x-irradiated rat, 23:20378
- MACVITTIE, Thomas Joseph Radiation-induced residual injury in the hematopoietic system of the mouse, 25:26981
- MACY, William W. Time variations of radiation belt protons, 24:45104
- MACZKA, Dariusz New construction of the sputtering ion source for the isotope separation of non-volatile elements, 25:44529 (BMBW-FBK-70-28, pp 433-9)
- MACZYNSKI, M. Solidification of radioactive wastes, 25:37568
- MACZYNSKI, M. J. Remark on Mackey's axiom system for quantum mechanics, 22:13616
- MADAJEWICZ, S. Comparative ultrafiltrability of calcium and strontium in human plasma, 22:30947
- MADAKBAS, M. Diode characteristics of high resistivity surface barrier silicon diodes, 22:47322 (UUIP-597)
- MADAN, Rabinder N. Generalized superperturbation theory for scattering, 22:50382
  - Stationary expectation values and slopes of daughter Regge trajectories for the Bethe—Salpeter equation, 22:46548

- Superperturbation theory and amplitude-phase approach to bound states and their perturbations, 24:37943
- Upper and lower bounds on s-wave electron—hydrogen scattering. I, 22:41374
- MADAN, Rabinder Nath Super perturbation theory and bounds on electron—H scattering, 22:45929
- MADAN, S. K. Some lanthanide complexes of cyclic amides, 23:11494
- MADAN, Stanley K. Amides as ligands. X, 23:2276
- MADAN, V. P. Flow of visco-elastic conducting fluid between porous parallel plates in transverse magnetic field, 25:38205
  - Steady laminar flow of a visco-elastic fluid in an annulus in the presence of a radial magnetic field, 25:38203
  - Unsteady flow of Reiner—Rivlin fluids in magnetic field, 24:3232
  - Unsteady laminar flow of a visco-elastic fluid between two flat plates under a transverse magnetic field, 25:38202
- MADAN, Vershal Oxidation of Schiff bases to oxaziranes by peroxy acids in various solvents, 24:189
- MADANSKY, A. Magnetohydrodynamic flow with aligned velocity and magnetic fields, 21:658 (AD-633026)
- MADANSKY, L. Boron-13 nuclear magnetic dipole moment, 25:43817
  - Branching ratios for the decay of vector mesons into lepton pairs, 21:25220
  - Magnetic moment of ^{12}B by nuclear spin precession, 22:7641 (NYO-2028-2, pp 96-105)
  - Magnetic moment of isotope ^{12}B, 22:50545
  - Measurement of magnetic moment of ^{12}B by nuclear spin precession about a weak field, 22:46725
  - Measurements of quadrupole coupling in atoms by repolarization effects, 22:7743 (NYO-2028-2, pp 106-20)
  - Nuclear polarization in ^{11}B(d,p)^{12}B reaction. II, 22:3629
  - Nuclear polarization in ^{11}B(d,p)^{12}B reaction. II, 22:7640 (NYO-2028-2, pp 84-95)
  - Nuclear polarization in the ^{11}B(d,p)^{12}B reaction. I, 21:13812
  - Polarization in ^{11}B(d,p)^{12}B. III, 24:52459
  - Recoilless gamma rays from nuclear reactions, 21:1063
- MADANSKY, Leon Effect of atomic hyperfine quadrupole interactions on the polarization of recoil nuclei, 23:23777
- MADARASZ, Zoltan Examination of neutron scattering by means of detector banks, 22:49112
- MADARIAGA, J. A. Diffusion processes in Clusius—Dickel columns, 21:28064
  - Diffusion processes in Clusius—Dickel columns, 22:18871 (MLM-1484(tr))
  - Isotope separation by thermal diffusion, 22:25471 (MLM-1491(tr))
  - Numerical solutions of the equations of approach to equilibrium in Clusius—Dickel columns for ternary mixtures, 21:28062
  - Separation of ^{36}Ar by thermal diffusion, 21:28066
  - Separation of ^{36}Ar by thermal diffusion, 22:18870 (MLM-1483(tr))
  - Shape factors affecting thermal diffusion in Exp-6 Buckingham model, 22:19049 (MLM-1467(tr))
  - Thermal diffusion of some Xe isotopes, 21:28065
- MADATOVA, E. G. Effect of thermo-mechanical-magnetic treatment on the coercive force and elongation of nickel and iron—gadolinium alloys, 25:16469
- MADAULE-AUBRY, Francoise Binary systems V_2O_5—Gd_2O_3 and V_2O_5—Er_2O_3, 23:25017
- MADAYAG, Angel F. Metal fatigue: theory and design, 23:45986
- MADBOULY, R. Analysis of platinum for certain elemental impurities by neutron activation, 25:29023
- MADDALONE, L. Measurement of radiation dosage within the living subject: the need and the means, 22:38333
- MADDEN, D. R. Frozen polarized target, 25:5466 (RPP/A-81)
- MADDEN, E. Film badge reader and card punch system, 23:17806 (ORNL-TM-2154)
  - Multianalyzer stored program data acquisition system interface, 22:30822 (ORNL-TM-2153)
  - PDP-8 interface for charged-particle nuclear physics experiment, 22:344 (ORNL-TM-2013)
  - Triple-axis neutron spectrometer—computer interface, 22:49097 (ORNL-TM-2246)
- MADDEN, H. H. Heat conduction by He II contained in small channels, 25:25015
- MADDEN, Hannibal H. Beeby's multiple-scattering-theory approach to leed, 24:7388 (SC-RR-69-648)
- MADDEN, J. A. Digital computer simulation study of the radio-Hippuran renogram, 22:31144
- MADDEN, Joseph A. Comparison of methods for renogram evaluation, 24:14535
- MADDEN, R. P. Autoionization spectra of the noble gases, 23:18408
  - Instrumental aspects of synchrotron XUV spectroscopy, 21:7607
- MADDEN, T. Spectral, cross-spectral, and bispectral analysis of low frequency electromagnetic data, 21:41953
- MADDEN, T. C. Particle detector providing charge gain, 23:22029
  - Use of semiconductors doped with isoelectronic traps in scintillation counting, 22:40428
- MADDEN, Theodore R. A resonance mode tracker for the electromagnetic earth-ionosphere cavity, 22:48002
- MADDIN, R. Initial aging behavior of quenched Cu—Be alloys, 21:45911
- MADDING, R. D. Jr. Testing of disposable containers for radioactive waste, 24:19184 (MLM-1660)
- MADDISON, D. W. Relative ^{238}U fission yields by gamma-ray analysis, 23:4014
- MADDISON, David Wesley Production and decay of ^{78}As, 23:1850
- MADDISON, R. J. Measurement in GLEEP of thermal neutron absorption cross section of sample of highly purified Si, 24:28727 (AEEW-M-887)
- MADDIX, H. S. Thermionic emission of alkali ions from impregnated metal matrices, 21:24912
- MADDOCK, A. G. Analytical chemistry of protactinium, 21:34276
  - Annealing some salts of trisethylenediamine cobalt III, 21:45167
  - Applications of the Moessbauer effect to silicate mineralogy. I, 22:15603
  - Atomic ^{35}S in an alkali chloride matrix, 22:4203
  - Carbon-14 labeled ion beams for hot atom chemistry, 21:14990
  - Chemical consequencies of the nuclear reactions in soluble Prussian Blue, 25:13068
  - Chemical effects of nuclear transformations, 24:38902
  - Chemical effects of nuclear transformations in alkali chlorides. III, 25:57503
  - Chemical effects of radiation thermal neutron capture. XIV, 22:27827
  - Chemical effects of radiative thermal neutron capture. XV, 22:33396
  - Chemistry of fluoro-complexes of Pa, 21:8313
  - Convenient radioactive half-life experiment, 21:32229
  - Effect of cation vacancies on radiolysis of sodium nitrate, 23:28901
  - Energy migration in the radiolysis of solids, 24:29331
  - Newnes concise encyclopaedia of nuclear energy, 21:2930
  - Nuclear transformations in alkali chlorides. II, 24:27135
  - Radiochemical processes in iridium complexes. IV, 21:45172
  - Radiolytic process in potassium chromate, 24:27125
  - Role of polynuclear species in the processes following nuclear transformations in solids, 23:6194
  - Thermal and radiolytic decomposition of $K_3Mn(C_2O_4)_3.3H_2O$, 24:27162
  - Thermal annealing in neutron-irradiated tribromobenzenes, 22:47181
- MADDOCK, Alfred G. Hot atom chemistry of solid substances, 23:4688
- MADDOCK, B. J. Superconducting magnet (48kG 10 cm bore) wound with a rectangular section heavy current composite conductor, 22:11374
  - Superconductive composites, 25:58951
  - Superconductive composites: heat transfer and steady state stabilization, 23:42206
- MADDOCK, Charlotte Hepatic lobectomy in childhood, 24:804
- MADDOCK, Gene E. Laser: development and uses, 22:12784
- MADDOCK, R. O. Analysis of the reaction $\pi^+p \rightarrow$ rho$^0\Delta^{++}$ at 11.7 GeV/c incident momentum, 25:27960 (DESY-71/8)
  - Analysis of the reaction $\pi^+p \rightarrow$ rho$^0\Delta^{++}$ at 11.7 GeV/c incident momentum. I, 25:59315
  - Analysis of the reaction $\pi^+p \rightarrow$ rho$^0\Delta^{++}$ at 11.7 GeV/c incident momentum. II, 25:59499
- MADDOCK, R. S. Activation analysis: a bibliography, 23:9298 (NBS-TN-467(Pt.1 and 2))
  - Bibliography on activation analysis, 24:29226 (NP-18222)
  - NBS automated activation analysis information retrieval system, 24:80
- MADDOCKS, G. E. Geochemistry of surface waters of the western District of Victoria, 22:25512
- MADDOCKS, Hugh C. Pulse-signal viewing system for accelerators, 23:28168
- MADDOX, B. J. Radiation levels close to Cambridge Electron Accelerator, 24:45643 (CONF-691101-, pp 619-24)
- MADDOX, John N. Radioisotope production programs at other AEC sites, 25:46533 (CONF-700646-, pp 85-9)
- MADDOX, Judith H. Computer program for circulation and control of library journals, 23:21589 (DP-1182)
- MADDOX, W. E. Computer-controlled beam—foil spectroscopy system, 25:15975
  - Lifetimes of 3p, 4p, and 5p states in atomic H, 25:7150
  - Proton polarization in ^{28}Si(d,p)^{29}Si reaction, 24:24535
  - Proton polarization in the reaction ^{40}Ca(d,p)^{41}Ca, 24:24536
  - Reaction ^{40}Ca(d,p)^{41}Ca*(3.95 MeV), 23:42893
- MADDOX, W. L. Remote pipetting, 24:26987
- MADDOX, William Eugene Proton polarization in ^{28}Si(d,p)^{29}Si reaction, 23:10984
- MADDUX, A. S. Jr. Solid-state high-resolution NMR spectrometer for multinuclei applications, 23:14086 (UCRL-71480)
- MADDY, James Clinicopathologic analysis of cryohypophysectomy in patients with advanced cancer, 24:32073
- MADEEV, M. O. Detector of charge and direction for registration of cosmic particles of high energy on satellite Proton-3, 25:21442
  - Measurement of solar protons from July 7, 1966 flare, 25:55991
- MADEEVA, M. O. Detection of solar protons with energy 500 MeV from chromospheric, 25:40505
- MADEJ, C. Rare-earth metal-refractory metal systems and their applications, 22:43525
- MADEJ, M. (n,α) reactions on dysprosium isotopes induced by 14.2 MeV neutrons, 25:53742 (INR-1275)
- MADELAINE, G. Penetration of aerosols in filters, 21:10472
  - Some comments on the production and measurement of spheres of polystyrene latex, 25:13144
  - Study of radioactivity localized on aerosols of particle size greater than 0.25 μ, 23:4742
  - Study of the mobility of ions in air, 25:54801
- MADELAINE, G. J. Pollution of the atmosphere in uranium mines, 25:57564
- MADELAINE, Guy Behavior of descendents of radon and thoron in enriched atmosphere, 21:6072
  - Evolution of condensation nuclei formed by radiolysis of gaseous impurities of air, 22:16710
- MADELAINE, Guy J. Existence of small negative radioactive ions coming from a ^{228}Th source, 25:43100
  - Formation and evolution of aerosols in filtered air and natural air, 23:17572 (CEA-R-3614)
  - Measurement of the equilibrium between radon and its daughters in uranium mines, 25:6431
  - Measurement of the state of equilibrium between radon and its daughter products in uranium mines, 25:21698
  - Measurement of the state of equilibrium between radon and its daughters in the uranium mines, 25:29201 (AEC-tr-7228)
  - Particle size spectrum of the radioactive aerosols in a uranium mine, 25:29200 (AEC-tr-7227)
  - Size distribution of radioactive aerosols in a uranium mine, 25:6430
- MADELL, J. T. Analysis of recent dosimetry experiments in EBR-II, 24:7090
  - Comparison of the various neutronic representations for EBR-II analyses, 24:46012 (ANL-7540)
  - Effect of subassembly clearance on fast reactor performance characteristics, 25:6021
  - Effects of over-cooled stainless steel reflector on EBR-II power coefficient, 23:40330 (ANL-7544)
  - Estimation of neutronic parameters for preliminary design studies for LMFBR's, 25:41403
  - Importance of the weighting spectrum in reactivity calculations, 22:33043
  - Linear components of the power-reactivity decrement of EBR-II, 23:37657
  - Neutronic characteristics of a mixed-oxide fuel loading of EBR-II, 23:37654
  - Recent operating experience with EBR-II, 24:22421
- MADELL, John T. Analysis of linear components of power-reactivity decrement in EBR-II, 24:11164 (ANL-7539)
  - Space dependent effects on fast-thermal system parameters, 21:40613
- MADELMONT, C. Measurement of the radioactive isotope concentration in milk and milk products, 21:12888
- MADELMONT, Claude Comparative study of the ^{90}Sr/Ca ratio in human diet and bone tissue, 23:43657 (CEA-R-3848)
- MADELUNG, O. Advances in solid state physics, 25:43483
  - Solid-state problems. VIII, 23:39576
- MADER, Charles L. 2DE: two-dimensional Eulerian hydrodynamic code for computing one component reactive hydrodynamic problems, 21:13418 (LA-3629)
  - Compressible numerical calculations of underwater detonations, 25:26096 (LA-4594)
  - Empirical model of heterogeneous shock initiation of the explosive 9404, 25:2005 (LA-4475)
  - Equation of state for iron assuming an instantaneous phase change, 21:5321 (LA-3599)
  - Equation of state for shocked copper foam, 24:31175 (LA-4381)
  - Equation of state for shocked polyurethane foam, 23:21597 (LA-4059)
  - FORTRAN BKW: code for computing detonation properties of explosives, 21:35791 (LA-3704)
  - FORTRAN SIN: code for problems which include chemical reactions, elastic-plastic flow, spalling, and phase transitions, 21:44973 (LA-3720)
  - Numerical studies of regular and Mach reflection of shocks in Al, 21:11691 (LA-3578)
  - One-dimensional elastic-plastic calculations for aluminum, 21:30996 (LA-3678)
  - Theoretical and experimental two-dimensional interactions of shocks with density discontinuities, 21:16849 (LA-3614)
  - Time-dependent reaction zones of ideal gases, nitromethane, and liquid TNT, 22:1925 (LA-3764)
  - Two-dimensional hydrodynamic hot spot. IV, 22:7948 (LA-3771)
- MADER, D. L. Measurement of level shift in He$^+$, n = 3, 25:30263
- MADER, David Lyle Fine structure measurement in ionized helium, 25:11688
- MADER, G. F. Operating characteristics and requirements for the NERVA flight engine, 25:41577
- MADER, K. H. Magnetic and crystallographic characteristics of praseodymium hydrides, 22:17809
  - Magnetic and crystallographic characteristics of praseodymium hydrides, 22:24380 (CONF-670502-, pp 36-47)
  - Magnetic and crystallographic characteristics of (Pr,La)Al_3, (Pr,Y)Al_3, (Pr,La)Al_2 and (Pr,Y)Al_2, 22:39165 (NYO-3454-22, Paper 4)
  - Magnetic characteristics of $CeAl_3$ and $CeAl_4$, 22:39168 (NYO-3454-22, Paper 7)
  - Magnetic characteristics of $CeAl_3$ and $CeAl_4$, 23:3598
  - Magnetic characteristics of europium—aluminum intermetallics, 22:39162 (NYO-3454-22, Paper 1)
  - Magnetic characteristics of europium—aluminum intermetallics, 22:48176
  - Magnetic characteristics of lanthanide—aluminum compounds, 22:39166 (NYO-3454-22, Paper 5)
  - Magnetic characteristics of lanthanide—aluminum compounds, 22:48162
  - Magnetic characteristics of Pr/sub z/Y/sub 1-z/Ni_2 alloys and nature of $PrNi_2$ at low temperatures, 22:41061
- MADER, Roger Profile milling machine, 24:46410
- MADER, W. Control of hard metal alloys by electron and optical microscope examination, 23:46117
  - Identification of the phases appearing in industrial metal carbides with the help of microprobes and by acid etching, 22:34117
  - Texture parameters by optical and electron-microscope pictures of WC-, Co-, TiC-, and TaC-alloys, 25:58403
- MADERO, C. Castro Corrections for dead time in detection experiments on nuclear statistics, 25:6535 (CNEA-262)
  - Dead-time corrections in detection experiments on nuclear statistics, 23:11776
- MADERO, Carlos Castro Transfer function in a mixed spectrum critical assembly, 23:47260 (CNM-R-2(Vol.3), pp 1560-88)

- MADERSBACHER, H. Retroperitoneal fibrosis, 23:29686
- MADEY, John M. J. Emission of slow positrons from polyethylene, 23:22892
  - Stimulated emission of bremsstrahlung in a periodic magnetic field, 25:33488
- MADEY, John Michael Julius Emission of slow positrons, statistical variations in the electrostatic potential, and stimulated emission of magnetic bremsstrahlung, 25:58681
- MADEY, R. Flux within a shielded right-circular cylinder exposed to protons in space, 24:4451
  - Passive readout technique for spark-discharge counters, 22:43105
- MADEY, Richard Attenuation of space protons, 23:16865
  - Dose rate from gamma rays at the center spherical shell shield bombarded by protons, 21:29329
  - Fractional linear energy transfer, 22:8515 (CONF-670305-, pp 63-75)
  - Neutron spectrometer performance at 14 mev, 24:44290 (CONF-691101-, pp 537-51)
  - Space radiation dosimetry, 21:18475
  - Spark chamber spectrometry and space radiation studies, 25:49635 (AD-716843)
  - Spectrometer for energetic neutrons, 22:40447
  - Spectrometer for neutrons from 10 to 100 MeV, 22:28135 (NYO-3914-2)
  - Thermoluminescence spectrum and the energy conversion efficiency of lithium fluoride, 23:7843 (CONF-680920-, pp 607-12)
  - Time-of-flight spectrometer for neutrons from 10 to 100 MeV, 22:28134 (NYO-3914-1)
  - Transmission of ^{133}Xe through activated charcoal adsorber beds, 25:10582
- MADEY, T. E. Desorption by electron impact: carbon monoxide, nitric oxide, and oxygen on tungsten, 22:11011
- MADEY, Theodore E. Chemisorption on Re, 23:38960
  - Desorption by electron impact: oxygen adsorbed on tungsten, 22:43584
  - Interactions between chemisorbed species: H_2 and CO on (100) tungsten, 25:45053
  - Isotope effect in electron-stimulated desorption: oxygen chemisorbed on tungsten, 24:36917
  - Temperature effects in desorption by electron impact, 23:41649
- MADEYSKI, A. Oxygen diffusion in monoclinic zirconia, 22:38628
  - Parabolic oxidation kinetics of alpha-Zr, 23:22474
  - Preparation and structure of zirconia spheres, 23:27153
- MADHAV RAO, V. N. High temperature materials, 25:45056
- MADHUKAR, A. Theory of s-d exchange interaction in dilute magnetic alloys, 24:20657 (CALT-822-2)
- MADHUKAR, Anupam Theory of s-d exchange scattering in dilute magnetic alloys, 24:50267 (CALT-822-12)
- MADHUSUDAN Intrinsic properties of pseudostationary magnetogasdynamic flows, 23:36580
- MADHVANATH, U. Tissue activation with α beams, 23:43833
- MADHVANATH, Udipi Effects of densely ionizing radiations on human lymphocytes cultured in vitro, 25:46946 (UCRL-20680)
  - RBE and OER at various point on modified depth dose distribution of 910-MeV helium ion beam using cultured cells (Tl), 24:34320 (UCRL-19420, pp 93-5)
  - RBE and OER of π^- mesons for induction of heteroallelic reversion in diploid yeast, 24:34321 (UCRL-19420, pp 96-8)
  - Tissue activation studies with alpha particle beams, 23:29508 (UCRL-18347, pp 155-70)
- MADI, Istvan Effect of anodic passivation on adsorption of radioactive substances on surface of platinum, 22:21072
  - Precipitation of kinetics of radioactive substances in the anode, 22:70
  - Properties of active centers in the precipitation of radioactive substances on the anode, 22:69
- MADIEVSKII, Yu. M. Action of ^{131}I-rose bengal on viscera, 22:45435
  - Sensitiveness of animals to x-irradiation, 24:23371
- MADIGAN, Denise M. Deuterium isotope effect on competing hydrogen and carbomethoxy migration in benzotropilidene photochemistry, 25:10557
- MADIGAN, J. P. Analysis of the progression and development of metastases in patients receiving x-radiation in hyperbaric oxygen, 21:20404
  - Experience in Melbourne with use of hyperbaric oxygen combined with megavoltage radiation in 614 cases of advanced malignant disease, 23:41410
  - Experience with OHP in megavoltage irradiation of 614 patients with advanced malignant disease, 21:28539
  - Megavoltage irradiation of advanced malignant disease using high pressure oxygen, 22:19391
- MADIGOSKY, Susan W. Gamma spectra data processing programs, 25:410 (AD-704786)
  - Monte Carlo calculation to simulate detector response to underwater gamma rays, 21:12622 (AD-638725)
- MADII, V. A. Gyrotropy of cubic crystals of uranyl compounds, 24:27054
  - Relation of luminescence properties and the gyrotropy of uranyl compounds to their structures, 25:7485
- MADISON, Bryan L. Spectrophotometric determination of thorium with molybdophosphoric acid, 22:8016
  - Spectrophotometric determination of yttrium with molybdophosphoric acid, 22:44983
- MADISON, Bryan Lynn Thorium and yttrium complexes with molybdophosphoric acid, 24:13744
- MADISON, D. H. Excitation of 2s state of atomic H by electron impact, 25:11714
- MADIX, Robert J. Sinusoidal molecular beam chopper with an internally generated phase reference signal, 22:45956
- MADJAR, A. Vidal Monitoring of the Lyman alpha emission line of the Sun during the year 1969, 25:43075
- MADJID, A. H. Spectral emissivity of Ta in the red and in green and change in emissivity resulting from change in surface structure induced by heat treatment, 25:11395
- MADKOUR, M. K. Preparation of colloidal solution of zirconyl phosphate with ^{32}P for radiotherapeutic purposes. II, 21:45723
- MADLAND, David George Study of the isotopes of neon with proton reactions at 40 MeV, 25:56704
- MADOC-JONES, H. Age response to x-radiation of murine lymphoma cells, 24:4673
  - Radiosensitivity of a series of cultured primary fibrosarcomata, 22:25984
- MADORE, J. Gravitational radiation from a bounded source. I, 24:37915
  - Gravitational radiation from a bounded source. II, 25:1635
  - Renormalization and the classical electromagnetic one-body problem for an extended body, 22:11563 (IPNO/TH-92)
  - Renormalization and the classical electromagnetic one-body problem for an extended body, 22:15724
  - Renormalization of the moment of inertia for the classical electromagnetic one-body problem, 22:5474
  - Weber's antenna and radiation sources, 25:38796
  - Yang—Mills fields with nonzero mass, 25:47943
- MADRAZO, A. Radiation nephritis, 23:29776
  - Radiation nephritis. II. Chronic changes after high doses of radiation, 25:11286
- MADSEN, B. Elastic and inelastic scattering of protons by ^{148}Sm, ^{154}Sm, and ^{174}Yb, 22:11952
- MADSEN, B. M. Diagenetic carbonates (^{13}C-rich) in Miocene formations of California and Oregon, 21:28083
- MADSEN, C. B. Hospital radium accident, 23:14205
- MADSEN, D. W. Anomalous electron scattering from ^{142}Nd, 24:5425
  - Anomalous electron scattering from ^{142} ^{144} ^{150}Nd, 25:36758
  - Coupled PDP-7/8 computer system for Yale Univ. electron accelerator, 24:8763 (CONF-690301-, pp 243-65)
  - Electron-scattering studies on ^{40}Ca and ^{48}Ca, 24:18396
  - Inelastic electron scattering from ^{90}Zr, 23:49388 (CEA-CONF-1323)
  - Inelastic electron scattering from ^{90}Zr, 24:43401
  - Quadrupole and octupole excitations of even tin isotopes by electron scattering, 24:1858
- MADSEN, David Scattering of 60-MeV electrons from ^{90}Zr, 24:30836
- MADSEN, David William Study of some even isotopes of neodymium by electron scattering, 25:12622
- MADSEN, E. F. Sodium sampling in Enrico Fermi atomic power plant, 22:24927 (APDA-306)
- MADSEN, J. H. B. CERN PS computer control system, 25:50361
  - Control computer for large particle accelerator of CERN, 24:52330
  - Megarad dosimetry techniques used at CERN Proton Synchrotron, 22:43124
  - Process control computer at CERN Proton Synchrotron, 23:28146
- MADSEN, N. Temperature fluctuations at a heated surface supporting pool boiling of water, 21:41135
- MADSEN, N. B. Isotope exchange at equilibrium as a test for homotropic cooperativity of allosteric enzymes, 24:41295
- MADSEN, N. K. Convergence of the weighted diamond difference approximations to the discrete ordinate equations, 25:57150 (CONF-710302-(Vol.2), pp 565-76)
- MADSEN, P. E. Experimental work on the Nb—Sn constitution diagram and related studies, 24:42145
- MADSEN, P. O. Radioisotopes in the measurement of absorption of washout fluid during transurethral prostate resection, 23:38391
  - Renal isotope clearance by external monitoring and feedback technique. A new catheter-free clearance method, 24:39534
- MADSEN, Paul O. Application of radioisotopes in urological diagnosis, 23:38637
  - Clinical renal function testing by external double isotope monitoring technique, 25:44856
  - Prevention of estrogen-induced gynecomastia by external irradiation, 24:6091
- MADSEN, R. N. Dynamic digital computer simulation of FFTF dump heat exchanger, 24:26802 (BNWL-1319)
  - Dynamic simulation of the FFTF heating and ventilation system, 24:11224 (BNWL-1218)
  - FFTF Na-to-air dump heat exchanger digital simulation, 24:33445
- MADSEN, Richard Alfred Heat transfer to saturated and subcooled baths of liquid He II, 21:18598
- MADSEN, Stig Nistrup Liver damage following colloidal thorium dioxide, 25:42708
- MADSEN, V. A. Antisymmetrized distorted-wave approximation for nucleon—nucleus scattering, 21:12102
  - Charge exchange part of the effective two-body interaction, 24:38111
  - Charged-exchange reactions, 25:28457
  - Core-polarization effects in charge-exchange reactions; application to ^{58}Ni(^{3}He,t), 25:20496
  - Direct-reaction studies of nuclear inelastic scattering and charge exchange, 24:40663 (ANS-RPD-2, pp 39-53)
  - Distorted-wave t-matrix approximation for single-particle reactions, 22:20723
  - Effective charge factor for the radiative capture of fast nucleons, 25:5839
  - Effective two-body force deduced from (p,n) reactions, 22:27363
  - Effective two-body force inferred from the (p,n) reaction on ^{17}O, ^{18}O, ^{27}Al, and other light nuclei, 23:25819
  - Finite-nucleus G matrix in the microscopic description of inelastic proton scattering, 23:23794
  - Knockout-exchange mechanism in nucleon—nucleus scattering, 24:40718
  - Nuclear inelastic scattering and charge exchange, 23:37339
  - Polarization and angular distribution of the neutrons from ^{14}C(p,n) reaction, 25:45919
  - Properties of the knockout-exchange amplitudes in nucleon—nucleus scattering, 22:42143
  - Reaction ^{14}C(p,n)^{14}N and the two-body force, 21:40385
  - Study of the two-body force through the (^{3}He,t) charge-exchange reaction on ^{17}O and ^{18}O, 22:53112
  - Tensor effective two-body interaction in ^{14}N(p,p') 2.31 MeV excitation, 24:49761
  - Tutorial session on nuclear models, 24:40660 (ANS-RPD-2)
- MADSEN, Victor A. Application of charge independence to neutron inelastic scattering, 21:23413 (UCRL-50197)
- MADSEN, W. Sondergaard Localization of placenta using /sup 99m/Tc, 23:43813
  - Photoscanning of placenta with /sup 99m/Tc albumin, 24:2744
- MADSHUS, Kjell Body burden of ^{137}Cs in Norwegian civilian pilots, 22:45532
  - Cesium-137 in carrots in Norway, fall 1964 and fall 1965, 21:41394 (NYO-3364-30)
  - Cesium-137 in milk in Norway, 1962—67, 21:41395 (NYO-3364-35)
  - Cesium-137 in people and food in Norway, 1963-66, 21:10729 (TID-23484)
  - Cesium-137 in potatoes in Norway, fall 1964 and fall 1965, 22:494 (NYO-3364-29)
  - Correlation between precipitation and concentration of ^{137}Cs in cow's milk in Norway, 21:1706 (NYO-3364-22)
  - Excretion of ^{137}Cs in sweat from humans, 24:23101
  - Gamma spectroscopic investigation of cow's meat with regard to ^{137}Cs caused by fallout in Norway, 8/64—8/66, 21:6403 (NYO-3364-24)
  - Increased excretion of ^{137}Cs in humans by Prussian Blue, 22:45402
  - Investigation of Norwegian school children with regard to their body burden of ^{137}Cs due to radioactive fallout, 21:6491 (NYO-3364-26)
  - Levels of ^{137}Cs in Norwegian lamb and sheep, 1964—66, 21:12843 (NYO-3364-28)
  - Levels of ^{137}Cs in Norwegian lamb and sheep, 1964—65, 21:20179 (NYO-3364-18)
  - Levels of ^{137}Cs in Norwegian lamb and sheep 1964—1965, 22:51649
  - Radiocesium body burden in people from Masfjorden, 21:26416 (NYO-3364-34)
  - Seasonal variations in ^{137}Cs concentrations in cow's milk, 1963—66, 21:10873 (NYO-3364-27)
- MADSON, A. A. Fast neutron capture by vanadium and titanium, 23:52125
  - Integral measurements in EBR-II of capture rates, fission rates, and α for ^{233}U, ^{235}U, ^{238}U, ^{239}Pu, ^{240}Pu, and ^{242}Pu, 25:56982 (ANL-7791)
  - Neutron capture between 5 keV and 3 MeV, 22:32596
- MADSON, Allen A. Cross sections of ^{85}Rb(n,γ)/sup 86m/Rb, ^{87}Rb(n,γ)^{88}Rb, and ^{89}Y(n,γ)/sup 90m/Y, 24:49841
  - Nuclear reaction rates in EBR-II irradiated stainless steel, 23:40337
- MADSON, C. A. Prog. rpt. on shelter ventilation, final, 10/62—9/64, 21:10853 (AD-630423)
- MADSON, J. M. High temperature plasma reactions, 25:7374
  - Mobility of argon ions in argon, 21:43778
- MADSON, James Merle Mobility of ions produced in rare gas plasmas, 22:31833
- MADSON, Lawrence P. Digital readout and control system for 64-inch scattering chamber, 22:39505 (N-68-14018)
- MADUELL, Charles R. Radiation distribution for 2 MVCp x-ray generators by digital computers, 21:28455
- MADUEMEZIA, A. Discrete degenerate representations of the conformal group in space—time, 21:44397
- MADUEMEZIA, Awele Conformal-group algebra and its unitary representation in the space of harmonic functions, 22:3474
  - Euler factorization of SO(p,q) and SU(p,q) groups, 25:53265
  - Localized states and group contraction in 4 + 2 de Sitter space, 21:46560
  - Partial-wave analysis in terms of SL(2,C)/SU(2) harmonic functions, 23:27832
- MADUEV, V. L. Corpuscular radiation by the Luna-10 artificial satellite, 21:20867
  - Corpuscular radiation detection on Luna 10, 21:37212
  - Device for studying cosmic radiation at 200 to 400 km elevation, 23:50129
  - Flux of low-energy protons near the Moon on December 13, 1966, 25:11669
  - Instrument for studying cosmic radiation at altitudes of 200 to 400 km, 24:2447 (JPRS-49167)
  - Investigation of cosmic radiation by the artificial satellite "Luna-10", 21:11463 (JPRS-38794)
  - Investigation of cosmic radiation by the Luna-10 artificial satellite, 21:20802
  - Measurements of the absorbed cosmic radiation dose in satellite Cosmos-228, 25:40410
  - Registration in space around moon of electrons with energy above 30 keV, 22:23915
  - Study of soft corpuscular radiation by lunar satellite "Luna-10", 21:11493 (JPRS-38795)
- MADYADAS, A. F. Electrical resistivity of W films prepared by WF_6 reduction, 24:6196
- MAD'YAROV, R. Z. Distribution of cosmic rays in eastern part of the USSR, 22:11270
- MADZHUMDAR, Rabi K $\rightarrow$ 2π decays in the model with icosuplet weak coupling Hamiltonian, 21:9761
- MAEBAYASHI, Aiko Use of commercially available nonionic surfactants in liquid scintillation counting for tritium, 24:2141
- MAECK, W. J. Application of metal zeolites to radioiodine air cleaning problems, 25:22212 (CONF-700816-(Vol.2), pp 607-20)

  - Burnup determination for fast breeder reactor fuels: program objectives and plans, 25:34352 (IN-1456)
  - Burnup determination of nuclear fuels, 24:2101 (IN-1316, pp 76-84)
  - Determination of nuclear fuel burnup from fission product analysis, 24:52926
  - Fission yields and branching ratios of ^{85}Kr in thermal neutron fission of ^{233}U, ^{235}U, ^{239}Pu, and ^{241}Pu, 25:28383
  - Fission yields of over 40 stable and long-lived fission, 25:5765
  - Highly efficient inorganic adsorber for airborne I species, 23:2372 (IN-1224)
  - Highly efficient inorganic adsorber for airborne iodine species, 23:24025 (CONF-680821-, pp 185-203)
  - Hypoiodous acid: an airborne inorganic iodine species in steam—air mixtures, 25:20963 (CONF-700816-(Vol.2), pp 467-81)
  - ICPP fissionable isotope monitor, 23:4804 (IN-1211)
  - Inorganic adsorbers for samplers to differentiate inorganic and organic iodide species, 23:24029 (CONF-680821-, pp 354-61)
  - Iodine chemistry in steam air atmospheres, 25:54547
  - Prog. rpt. on burnup determination of nuclear fuels, final, 4/1—6/30/68, 23:23910 (IN-1277)
  - Prog. rpt. on metal zeolites: iodine adsorption studies, annual, 1—12/70, 25:39563 (IN-1455)
  - Selective adsorbent sampling system for differentiating airborne iodine species, 25:21270 (CONF-700816-(Vol.2), pp 621-34)
  - Study of the adsorption properties of metal zeolites for airborne iodine species, 25:22211 (CONF-700816-(Vol.2), pp 581-99)
- MAECK, William J. Burnup determination of nuclear fuels, 22:42588 (IN-1207)
  - Liquid—liquid extraction of Tc and spectrophotometric determination, 21:21872
  - Prog. rpt. on burn up of nuclear fuels, 10/1—12/31/66, 22:1880 (IN-1113)
  - Prog. rpt. on burnup determination of nuclear fuels, 1—3/66, 21:4434 (IDO-14678)
  - Prog. rpt. on burnup determination of nuclear fuels, 7—9/66, 21:19242 (IN-1064)
  - Prog. rpt. on burnup determination of nuclear fuels, 4-6/66, 21:19241 (IDO-14681)
  - Prog. rpt. on burnup determination of nuclear fuels, 1—3/67, 22:24855 (IN-1157(Rev.))
  - Prog. rpt. on burnup determination of nuclear fuels, 4—6/67, 22:25129 (IN-1178)
  - Prog. rpt. on burnup determination of nuclear fuels, 7—9/67, 22:44680 (IN-1189)
  - Prog. rpt. on burnup determination of nuclear fuels, 1—3/68, 22:47074 (IN-1215)
  - Prog. rpt. on silver zeolite: iodine adsorption studies, semiannual, 7/1—12/31/69, 25:8321 (IN-1363)
- MAECKER, H. Further development of the cascade high power arc chamber, 22:29481 (NP-tr-1647)
  - Plasma currents in electric light arcs due to self-magnetic compression, 23:39461 (SC-T-69-1031)
  - Wall stabilized electric arc with magnetic adjustable characteristic, 22:36949
- MAECKER, Heinz Transport properties in high power arcs, 24:3329 (AD-689277)
- MAECKLE, R. Energy dissipation of fast hydromagnetic shock waves in the solar chromosphere, 24:10311
- MAEDA Trace elements in DNase I by activation analysis, 23:24114 (NSJ-tr-141)
- MAEDA, Eijiro Symbolic calculation code for nuclear three-body problem, 25:33964
- MAEDA, Fujio Determination of W in Fe, Mo, and Ti by x-ray fluorescence analysis, 24:43955
- MAEDA, H. Generalized dynamo mechanism in upper atmosphere, 21:7114
  - Lunar ionospheric winds deduced from the dynamo theory of geomagnetic variations, 21:43904
  - Simple model of the equatorial electrojet, 22:36817
- MAEDA, Hidenori Facilities for accelerators for medical use, 25:56607
  - Report on engineering of buildings for electron linac of Tohoku Univ, 25:53437
- MAEDA, Hiizu Transient analysis of self-pressurized water reactor plant, 22:53290
- MAEDA, Hikosuke Wall potential effects on a beam—plasma discharge, 23:23125
- MAEDA, Hiorshi Molecular weight of Na, K-ATPase approximated by radiation inactivation method, 22:33767
- MAEDA, Hiroshi Electric currents induced by nonperiodic winds in ionosphere. I, 22:15423
  - Variation in geomagnetic field, 22:52660
- MAEDA, K. Effects of modification of the components of air on the operation of spark counters, 23:11855
  - Effects of surrounding gases on the operation of multiple-wire spark counters, 24:11801
  - Propagation of pressure waves produced by auroras, 21:7109
- MAEDA, Kaichi Anomalous component of atmospheric muons, 24:12660 (N-70-11776)
  - Anomalous component of atmospheric muons. revised, 24:30435 (N-70-18922)
  - Auroral O_2 dissociation and infrared OH emission, 22:34381
  - Energy deposition by auroral electrons in the atmosphere, 24:35319
  - Equatorial spread-F and tropospheric tropical disturbances, 21:7119
  - Quasi-biennial cycles in cosmic-ray intensity, 21:29042
  - Reexamination of the anomalous zenithal distribution of the atmospheric muons, 23:44198 (N-69-29942)
  - Temporal variations of the polar mesospheric oxygen and ozone during auroral events, 21:15050
  - Variations of polar mesospheric oxygen and ozone during auroral events, 22:29376
- MAEDA, Kazuhiko Measurement of the differential cross section at 180 deg, 21:9947
- MAEDA, Kazuho Simplified method of urinary uranium analysis for radiation protection measures, 21:32122
  - Statistical survey of leukemia in East Japan, 24:19372
- MAEDA, Kazunori Experience with large dose administration of cepharanthine to leukopenia due to radiotherapy, 23:48084
- MAEDA, Keisuke Effect of surrounding gases on the characteristics of a multiple-wire-cavity spark counter, 24:48272
- MAEDA, Ken-ichi Fully developed turbulent irregularities in the ionosphere due to cross-field plasma instability, 22:36824
  - Gyromagnetic effect on the mobility of charged particles in weakly ionized gases, 24:8475
  - Ionospheric research, 21:11550
  - Mid-latitude electron density profile as revealed by rocket experiments, 25:38239
  - Radio propagation effects used on rockets in probing the ionosphere, 24:30250
  - Scattering of electromagnetic waves by field-alined plasma columns, 22:26412
- MAEDA, Kenjiro Fluidized bed calcination of radioactive liquid wastes, 24:25103
  - Studies on the fluidized bed calcination of high level radioactive liquid wastes, 25:18630
- MAEDA, Koko Studies on triphenylimidazolyl radicals produced by photolysis and radiolysis at low temperature, 24:29325
  - Triphenylimidazolyl radicals produced by photolysis and radiolysis, 24:7452
- MAEDA, Masaakira Radiolysis of raffinose type oligosaccharides in solid state. I, 23:2315
  - Radiolysis of raffinose type oligosaccharides in solid state. I, 23:11561
- MAEDA, Masanobu Effect of moisture on reduction of anthraquinone derivatives of ^{60}Co γ-irradiation, 22:47179
- MAEDA, Masunobu Enrichment of the uranium isotopes by electromigration in a cation exchange membrane, 25:39574
  - Hydrolysis of Cu(II) ion in heavy water, 25:10566
  - Hydrolysis of the beryllium ion in heavy water, 24:20784
  - Hydrolysis of uranyl ion in D_2O, 24:33673
  - Permselectivity of chloro complexes of U(IV) and U(VI), 22:33363
  - Stability constant of main hydrolysis product of Be ion, 23:33179
- MAEDA, Minoru Crystal modifications of binary systems containing molten zirconia, 22:7067
- MAEDA, Mirimasa Clinical observations on grid irradiation, 21:16476
- MAEDA, Morimasa Hyperbaric oxygen and radiobiology of mouse mammary carcinoma, 22:12889
  - Influence of anemia to radiation effect, 23:41391
- MAEDA, Muneharu Airconditioning system and its automatic control for a nuclear power station, 25:29259
- MAEDA, Rikio Anomalous x rays observed on Explorer 30, 23:36544
- MAEDA, Ryoichi X-ray fluorescence analysis of Co, Ti, Ta, Nb, and Fe in cemented carbide, 23:4526
- MAEDA, Seijiro Effects of high magnetic fields on impurity conduction in n-germanium, 22:22227
- MAEDA, Shiro Infrared intensities of stretching and librational bands of H_2O, D_2O, and HDO in solids, 22:27700
- MAEDA, Sho Nondestructive testing of jet-engines by using ^{192}Ir, 23:40962
  - Radiographic inspection of aircraft fuselage using a ^{170}Tm gamma source, 25:44564
- MAEDA, Sukeo Device for directing particles, 23:49252
- MAEDA, Syo Optical transfer function in ^{192}Ir radiography, 24:7638
  - Preparing ^{192}Ir gamma-ray source of high specific activity, 25:48751
- MAEDA, Takao Magnetoelastic behaviors of polycrystalline gadolinium, 25:40811
  - Unusual elastic properties of Gd and Invar, 25:19224
- MAEDA, Tatsuo Tumor-specific localizing agent for radioisotope image, 24:5988
  - Tumor-specific localizing agent for radioisotope image. III, 24:27497
  - Tumor-specific localizing agent for radioisotope image. IV, 25:10921
- MAEDA, Tomoho Hepato-lamino-scintiscanning, 23:26849
- MAEDA, Toshio Determination of the nucleic acid content of protozoa by activation analysis, 21:32579
  - Determination of trace elements in Dnase I by activation analysis, 23:35031
  - Phosphorus-32 compounds after neutron reactions with DNA and nucleotides, 22:462
  - Phosphorus-32-retention and physical change of DNA irradiated in reactor, 23:41255
- MAEDA, Yoshiko Radiation effect on the body weight increase of the toad with closed cloaca, 21:28654
- MAEDA, Yutaka Moessbauer effect, 23:18723 (KURRI-TR-8)
  - Moessbauer effect in iron—carbon martensite structure, 22:15645
- MAEDER, A. Influence of axial stellar rotation on age estimates of open star clusters, 25:22248
  - Observational evidence of non-LTE effects for O-Type stars, 25:45203
  - Shoenberg—Chandrasekhar limit and rotation, 25:55684
  - Stellar rotation, 24:44859
- MAEDER, C. Collision probability theory for cylindrical cells with cluster elements using multigroup P/sub N/ theory in moderator zone, 23:37687 (EIR-147)
  - Effects of data uncertainties on gas-cooled fast reactor stability, 24:7091
  - Optimization of gas-cooled fast reactor blankets, 24:50093
  - Reactivity insertions in GCFR cores simulating hypothetical severe accidents, 24:7151
  - Three-dimensional P/sub N/ spherical harmonics theory in cylindrical geometry, 22:35715
- MAEDER, Claude Spherical function solution of neutron transport equation for three dimensional cylindrical system, 24:20622 (NP-18028)
- MAEDER, D. Compensation of pulse deterioration in miniature cables, 23:41106 (EUR-4289, pp 231-5)
  - Digital high-voltage supply, 23:41109 (EUR-4289, pp 265-7)
  - Matching problems and parasitic effects in magnetostrictive readout systems, 21:16107 (CONF-660918-, pp 60-2)
  - Single crystal spectroscopy, 22:8381
- MAEDER, G. Aging of ternary Fe—Ni—Mo and quaternary Fe—Ni—Co—Mo alloys, 25:58232
- MAEDER, P. F. Prog. rpt. on electrical conductivity of plasma, final, 10/63—9/66, 22:1172 (AD-646672)
- MAEGGI, H. G. Automatic device for β-spectrometer measurement control, 25:32266
- MAEHARA, H. Abundance ratio of ^{12}C to ^{13}C in some cool carbon stars, 22:23977
- MAEHARA, Hideo Carbon isotope ratio in some cool carbon stars. II, 24:12526
- MAEHARA, Nobutoshi Role of leukocytes in production of interferon, 25:26986
- MAEHLUM, B. N. Storm-time variations in high-latitude fluxes of low-energy electrons, 25:35959
- MAEHLUM, Bernt Auroral phenomena associated with particle precipitations, 21:9454
  - Scattering and absorption of fast electrons in the upper atmosphere, 22:9215
  - Winter anomaly in midlatitude D region, 21:25044
- MAEHLUM, Bernt N. High-latitude, Universal—Time-controlled F layer, 23:27468
  - Mutual effect of precipitated auroral electrons and the auroral electrojet, 22:17470
  - Satellite and rocket observations in the auroral zone, 23:1260 (N-68-26966)
  - Satellite and rocket particle observations in the auroral zone, 22:34394
  - Universal-time control on the low-energy electron fluxes in the polar regions, 22:31710
- MAEJIMA, Kazuyoshi Tyzzer's disease in laboratory animals, 22:47586
- MAEJIMA, Yoshiki Experimental studies of harmonic radiation in microwave gas discharge at 34 GHz frequency, 23:7008
  - Laser diagnostics of theta-pinch plasmas, 22:39053
  - One hundred-kJ fast theta-pinch device, 24:17980
- MAEKAWA, Akiji Design of an electron linear accelerator for industrial use, 25:3483
  - Radiography with an electron linear accelerator for industry, 23:15311
  - X-ray irradiation device, 24:6799
- MAEKAWA, Akira Iodine-131 thyroid uptake rate in various thyroid disorders, 21:8888
- MAEKAWA, Akitsugu Charged-particle accelerating tube, 22:9751
  - Charged-particle accelerator, 21:5449
  - Pulsed charged-particle beam generator, 22:11868
- MAEKAWA, Hiroshi Neutron slowing down time in graphite, 23:21235
  - Pulsed neutron research. III, 25:28161
- MAEKAWA, Kan Studies on LiF thermoluminescent dosimetry, 24:31740
- MAEKAWA, Shizuya Masking Cu and W in photometric determination of Mo, 25:27
  - Nephelometric determination of small amount of tellurium in iron and steel, 24:13743
  - Photometric determination of aluminum in ferro-alloys with stilbazo, 22:18700
  - Photometric determination of Te in Fe and steel. II, 24:16432
- MAEKAWA, T. Direct estimation of length of G1, S, and G2 phase, 24:5973
  - Effect of U(3)-invariant interactions in bound system, 21:46531
  - Radiation-induced polymerization of urea canal complex. I, 21:14264
  - Radioactivation analysis studies of polymerization reactions. I, 24:38800
  - Radioactivation analysis studies of polymerization reactions. II, 24:38929
  - Removal of iodine from atmosphere by sprays, 24:33345
  - Removal of iodine from atmosphere by sprays, 25:25992
  - Steel irradiation capsule and rig, 21:20537 (CONF-660511-, pp 1.4.1-9)
- MAEKAWA, Takayoshi Constructive force of the composite system, 21:40210
  - Note on the β decay of Σ particles, 21:27345
- MAEKAWA, Tamotsu Iodine-131-T_3 resin sponge uptake after ^{131}I treatment of hyperthyroidism, 24:2817
- MAEKAWA, Tatsuo Corrosion behavior of stainless steel in high-temperature water and steam, 22:41011
  - High-temperature oxidation mechanism in 2.5 percent tin—zirconium alloy, 22:625
  - Recent studies in nuclear power plant safety. I, 21:8815
  - Removal of iodine from atmosphere by spray. III, 24:2008 (ORNL-tr-2240)
  - Removal of iodine from atmosphere by spray. IV, 24:2009 (ORNL-tr-2241)
  - Vapor—water partition coefficient of iodine and organic iodides, 24:4353 (ORNL-tr-2255)
- MAEKELAE, O. Production of IgM and IgG antibodies, 23:50373
  - Separation of normal and immune lymphoid cells by antigen-coated columns, 24:39446
  - Specific anamnestic immune response induced by plant mitogens, 24:4579
- MAEKELAE, Pekka Experimental isotope renography as a means of localizing ureteric obstruction, 24:50990
- MAEKILAE, K. Cohesive energy and elastic constants of MgO with partially scaled wave functions, 22:48158 (UUIP-584)
- MAEKILAE, Kalle V. Correlation effects in the band structure of graphite, 21:29350
- MAEKINEN, Kauko K. Estimation of radioactive acid mucopolysaccharides, 23:11435

- MAELAND, A. J. A neutron-diffraction study of the phase in the palladium-gold-hydrogen and palladium—gold—deuterium systems, 22:12278
- MAELAND, Arnulf Hydrogen and deuterium solubility in Pd-rich alloys, 21:28722
- MAELAND, Arnulf J. Inelastic neutron scattering spectra from lanthanum dihydride and lanthanum trihydride, 25:30677
- MAELAND, Arnulf Julius Investigation of hydrogen and deuterium absorption by alloys of palladium with platinum and with gold, 22:4793
- MAENCHEN, G. Two-dimensional stress-induced adiabatic flow, 25:34769 (UCRL-50987)
- MAENE, N. Pulsed and modulated neutron source techniques and their interrelation, 23:11347 (RCN-98, pp 523-54)
- MAENE, N. G. A. Computerized system of programs for fuel accountability, 21:40538 (APDA-202)
  - Physics calculations for the Fermi mixed-oxide core, 22:6009
- MAENG, Ki-suck Irradiation chemistry of methylsiloxanes adsorbed on silica, 25:39538
- MAENG, Sun Chae Fatigue strength of Ni corroded by neutron irradiation, 23:46094
- MAENG, Sun-chae Effect of neutron irradiation on the mechanical properties of iron, 21:3526
  - Effect of neutron irradiation on the plastic flow of zinc crystal, 21:41630
  - Hardening of NaCl and KCl single crystals by neutron and gamma irradiation, 22:46205
- MAENHAUT, W. Determination of trace impurities in Sn by neutron activation. I, 25:46461
- MAENHOUDT, R. Retroperitoneal fibrosis, 23:29686
- MAENNCHEN, E. Significance and evaluation of a procedure for thyroid diagnosis, 24:9892
- MAENNEL, G. Development of amylase activity in fetal rats, 24:51043
- MAENNEL, P. Elastic constants of single-crystal and polycrystal cadmium—magnesium alloys, 25:675
- MAENNER, W. Formation of resonant states in $K^- + p \rightarrow K^- + p$ between 0.8 and 1.2 GeV/c, 21:3996
  - Production and decay of $Y_1^*(1760)$ in the reaction $K^- + p \rightarrow K^- + p + \pi^0$, 21:885
- MAENO, H. Immunoprecipitation for determination of specific proteins, 23:28727
- MAENO, Masaki Fast acting gas valve for the production of plasma driven by a magnetostrictive rod, 23:25164
- MAERE, G. de Instrumentation for nuclear power plant control. Some aspects of present state of experience and program in Belgium, 25:39150 (IAEA-119, 8p.)
- MAERK, Tilmann D. Ion production and loss processes in helium—nitrogen mixtures, 25:59014
  - Production and loss of N_2^+, Ne^+, and Ne_2^+ during decay period of plasmas produced in Ne—N mixtures, 25:59019
- MAERKER, R. E. AMC: Monte Carlo code utilizing albedo approach for calculating neutron and capture gamma-ray distributions in rectangular concrete ducts, 21:35210 (ORNL-3964)
  - Calculation of doubly differential current albedos for epicadmium neutrons incident on concrete and comparison of the reflected subcadmium component with experiment, 21:21025
  - Calculations of neutron fluxes and dose rates along center lines of square concrete ducts, 22:1288 (ORNL-4147)
  - Calculations using albedo concept of subcadmium flux along center line of a straight, a two-legged, and a three-legged square concrete duct arising from incident subcadmium neutrons, 21:3909 (ORNL-P-2672)
  - Calculations using the albedo concept of the subcadmium flux along the center lines of one-, two-, and three-legged square concrete ducts, 21:7321
  - Calibration of Bonner ball neutron detectors used at Tower Shielding Facility, 25:42055 (ORNL-TM-3465)
  - Differential neutron current albedos for concrete in incident energy range 0.5 eV to 200 keV, 21:18784 (ORNL-3967(Vol.4))
  - Differential neutron current albedos for concrete incident energy range 0.5 eV to 200 keV, 21:18785 (ORNL-3967(Vol.5))
  - Differential neutron current albedos for concrete in incident energy range 0.5 eV to 200 keV, 21:18783 (ORNL-3967(Vol.3))
  - Differential neutron current albedos for concrete in incident energy range 0.5 eV to 200 keV, 21:18781 (ORNL-3967(Vol.1))
  - Differential neutron current albedos for concrete in incident energy range 0.5 eV to 200 keV, 21:18786 (ORNL-3967(Vol.6))
  - Differential neutron current albedos for concrete in incident energy range 0.5 eV to 200 keV, 21:18782 (ORNL-3967(Vol.2))
  - Gamma-ray spectra arising from fast-neutron interactions in Fe, Al, Cu, Zn, and Ti, 24:33135
  - Gamma-ray spectra arising from fast-neutron interactions in elements found in soils, concretes, and structural materials, 24:52474 (ORNL-4475)
  - Gamma-ray spectra arising from fast-neutron interactions in elements found in soils, concretes, and structural materials, 25:7440
  - Gamma-ray spectra arising from thermal-neutron capture in Fe, Al, and Cu, 23:3545
  - Gamma-ray spectra arising from thermal-neutron capture in Si, Ca, K, Na, and Ba, 23:37162
  - Gamma-ray spectra arising from thermal-neutron capture, 23:46943 (ORNL-4382)
  - Gamma-ray spectra arising from thermal-neutron capture in Ti, Ni, Zn, Cl, S, and stainless steel, 24:6861
  - Gamma-ray spectra arising from thermal-neutron capture in elements found in soils, concretes, and structural materials, 25:3181
  - Measurements and single-velocity calculations of differential angular thermal-neutron albedos for concrete, 21:11683
  - Measurements and single-velocity calculations of differential angular thermal-neutron albedos for concrete, 21:35392 (ORNL-4090)
  - Monte Carlo calculations of fast-neutron dose rates center lines of concrete open ducts, 21:21026
  - Neutron fluxes in concrete ducts arising from incident thermal neutrons: calculation and experiment, 21:42152
  - Neutron fluxes in concrete ducts arising from incident epicadmium neutrons, 22:5751
  - Neutron fluxes in concrete ducts due to incident epicadmium neutrons, 21:29324 (ORNL-TM-1794)
  - Neutron transport studies in ducts and simple shields, 22:7338 (ORNL-TM-1965)
  - Neutron transport studies in ducts and simple shields, 23:13473 (AERE-R-5773(Vol.4), pp 935-88)
  - Prog. rpt. on fast reactor shielding, 7/71, 25:51060 (ORNL-TM-3538)
  - Prog. rpt. on fast reactor shielding, 8/71, 25:60055 (ORNL-TM-3573)
  - Response functions for Bonner ball neutron detectors, 25:39709 (ORNL-TM-3451)
  - Subcadmium flux along centerlines of square concrete ducts from epicadmium neutrons, 21:37539
- MAERKL, H. Demand for and supply of nuclear fuel and fuel/cycle services in FRG, 25:51552 (A/CONF.49/P-378)
  - Evaluation of D_2O- and H_2O-reactors for developing countries, 23:37405
  - Long-term optimum reactor strategies. II, 24:4029
  - Optimizing long range reactor planning. II, 24:7072
  - Problems of optimizing long range reactor planning, 24:9128
  - Research on long-range optimization of reactor strategies in consideration of extent of uranium reserves. I, 22:6168
  - Roentgenographic determination of anisotropy in pyrolytic graphite, 22:41116 (SGAE-M-17/1968)
- MAERKL, Hans Physical layout of reactor core in Obrigheim nuclear power station, 22:14184
- MAERTENS, C. E. Neutron-moisture-meter investigation of ways in which dry and irrigated crops utilize soil moisture, 22:23352
- MAERTL, H. G. Symmetry conditions on nonlinear spinor field functionals, 25:14782
- MAERZ, K.-D Densitometric and scintigraphic investigations of brain tissue during reduced blood flow, 25:2577
- MAES, Michel Emil Improvements in or relating to plasma accelerators for generating propulsion thrust, 25:36105
- MAES, W. Radioisotope migration in soil, 22:10372
- MAES, W. F. Transportation of radioisotopes in the soil, 21:3181
- MAESTRINI, A. A. Flow rate measurement of rivers and turbines using radioisotopes, 24:39042 (PRNC-135, pp 317-26)
  - Radioactive tracers applied to the studies of sediment transportation, 24:39041 (PRNC-135, pp 307-16)
  - Study on distribution of residence time in a cement plant, 24:39151 (PRNC-135, pp 411-18)
- MAESTRO, A. Benzidamine for curing mucous membrane in radiotherapy during initial stages of degeneration, 21:32696
  - Clinical and technical observations in therapy with 42 MeV betatron, 25:58076
  - Damage in nervous tissue after radiotherapy with high-energy electron beams (one case), 22:51757
  - Effect of wedge filters, moulages, and protection devices in radiation therapy with high energy electron beams, 22:51694
  - Eye metastases: radiotherapy with ^{60}Co and high energy electron beams, 22:51743
  - First experiences of clinical utilization of betatron of 42 MeV, 22:23575
  - Irradiation of cervical carcinoma during pregnancy, by means of an electron beam applied transvaginally, 22:51718
  - Management of recurrences of malignant tumors of the uterine cervix by 42 MeV betatron, 25:6756
  - Radiotherapy of bronchopulmonary tumours with betatron, 23:38723
  - Radiotherapy of cancers of anterior two-thirds of tongue, 24:41945
  - Radiotherapy of laryngeal tumours by means of high energy electron beams, 22:51732
  - Radiotherapy of malignant neoplasms of the uterus, 25:32511
  - Radiotherapy of tumours of the nasopharynx by means of high energy electron beams, 22:51741
  - Reaction of the mucosa of the oral cavity in course of radiotherapy, 25:32597
  - Reactions of skin to therapy with accelerator electrons, 25:32596
  - Treatment of the tumours of the bladder by means of high energy electron and roentgen beams, 22:51723
  - Treatment of tumours of maxillary sinus, ethmoid, and hard palate by means of high electron beams, 22:51739
- MAETA, H. Effect of plastic deformation on recovery of stage I after neutron irradiation, 24:8525
  - Recovery in copper after neutron irradiation, 23:34054
- MAETA, Hiroshi Recovery of fast neutron irradiated molybdenum at low-temperature, 22:43626
  - Recovery of fast-neutron-irradiated iron at low temperatures, 23:32560
  - Recovery of fast-neutron-irradiated copper and gold at low temperatures, 23:32561
- MAEV, S. A. Effect of finite ion size on electron collision frequency in a plasma, 24:49174
  - Measurements of parameters of nonequilibrium cesium plasma, 24:3349
  - Optimal conditions in thermionic converters. II, 21:46200
  - Optimal conditions in thermionic converters. I, 21:46197
- MAEVSKII, V. M. Fermi surface and correlation effects in optical properties of molybdenum, 22:48188
- MAEZAWA, Kiyoshi Two basic modes of interaction between the solar wind and the magnetosphere, 25:27630
- MAFFEI, H. P. Cover gas impurities and their interactions with sodium, 23:12266 (BNWL-SA-2181)
  - Cover gas impurities in sodium-cooled reactors, 22:50702 (BNWL-849)
  - Establishment of preliminary requirements for FFTF cover gas purity, 24:5541 (BNWL-1143)
- MAFFEI, Paolo Infrared object in the region of IC 1805, 23:6812
- MAFFEO, B. EPR identification of neutral charge state of Be vacancy in irradiated BeO, 25:36283
  - EPR identification of V_1 centers in irradiated BeO, 24:42762
- MAFFEO, Bruno EPR of a new boron center in neutron-irradiated BeO, 25:5162
- MAFFEO, G. F. Radiant intensity of clear and clouded night sky in the wavelength range 0.5 to 1.1 μm, 22:17501
- MAFFI, A. Dosimetry of high energy electron beams, 25:42169
- MAFRA, O. Y. Monte Carlo calculation of monochromatic gamma-rays energy loss, 24:4422 (IEA-171)
  - Photofission cross sections of uranium and thorium near threshold, 25:20366 (IEA-211)
- MAFRA, Olga Y. Experimental facility for the production of reactor neutron capture gamma rays, 22:25085 (IEA-133)
  - Fission chambers: construction and characteristics, 24:2444 (IEA-145)
- MAFRICI, David Nassau County microwave oven study, June 1969—March 1970, 25:21725
- MAGAEV, V. N. Utilization of backscattering of fast neutrons for determination of certain parameters of controlled medium, 25:23886
- MAGAKYAN, A. G. Changes of absorbing capacity of reticulo-endothelial system after blood loss in animals suffering from severe radiation sickness of moderate and mild degrees, 23:10078
  - Joint effect of x irradiation and blood-letting on radiation bacteriaemia in rabbits, 23:10089
- MAGAL, B. S. Saturation steam cycles for nuclear power station, 21:15709
- MAGALASHVILI, N. L. Brightness of binary system AX Monocerotis, 25:30056
- MAGALHAES, E. M. Radiation effects on copper oxidation in human serum, 21:41314 (LFEN-57)
  - Radiation sensitizing agent of erythrocyte osmotic fragility, 22:6867 (LFEN-56)
- MAGALINSKII, V. B. Noises and parametric phenomena in high-frequency electron devices, 22:21398
- MAGAN, J. R. Correction to Kubo formula, 23:23135
- MAGANOVA, N. B. Effect of gamma irradiated plant food on monkeys, 21:24694 (JPRS-40232)
- MAGANZANI, I. BURNY: two dimensional burn-up code, 21:32035 (RT/FI-(67)8)
- MAGARI, Saburo Heats of vaporization of UO_2 and UO, 23:45299
  - Some experiments on mass spectrometer, 22:33696
- MAGARIELLO, E. Bonding beryllium—copper alloys with high temperature thermoplastic. A report of a program undertaken to meet the problems confronting potential users, 25:35316
- MAGARIK, K. N. Method for activating chromed surfaces for radioindicator investigation of their wear (exchange experience), 25:42018
- MAGARRAMOV, T. G. Galvanomagnetic effect in Ni—Ta and Ni—Nb systems, 22:48171
- MAGAT, M. Deferred luminescence at 4.2K in an organic glass, 25:52921
  - Deferred luminescence in organic solids after γ-irradiation, 23:47549
  - Delayed luminescence in molecular solids, 25:154
  - Radiolysis of tetrachloro compounds, 24:9376
- MAGAT, Michel Postluminescence of organic solid solutions, 25:54598 (CONF-700652-(Vol.2), pp 423-75)
  - Products formed by irradiation of solid chlorotriphenylmethane, 24:2240
  - Radiation chemistry, 22:33467
- MAGAUDDA, G. Role of protein synthesis in the repair of ionising radiation damage, 22:33752
- MAGAW, J. R. Analysis of the NRX-A6 radiation measurements, 23:37672
  - Neutron and photon radiation levels internal and external to mockups of nuclear rocket shields, 25:6130
  - Radiation environments internal to nuclear rocket shield experiments, 23:37671
- MAGDA, I. I. Electron temperature in plasma—beam discharge laser, 24:35384
  - Generation of coherent radiation in the visible range within plasma-beam discharge, 24:47224 (UCRL-Trans-10478)
  - Generation of coherent radiation of optical range in plasma—beam discharge, 24:3350
- MAGDA, M. I. Half life of the 619-keV isomeric level of ^{113}Sn, 21:30002
- MAGDA, M. T. Ericson fluctuations in nuclear reactions, 21:35515
  - Mass number dependence of level density parameter in (α,n) reactions, 23:42881
  - Neutron evaporation spectra from (α,n) reactions on medium and heavy nuclei, 21:29943
  - Nuclear temperatures in (α,n) reactions, 22:37377
  - Statistical emission and nuclear level densities in (α,n) reactions, 24:13328
- MAGDALENA, Avram Thermal conductivity of sintered uranium dioxide during irradiation in reactor, 25:52478
- MAGDALENA, E. Charged particle discrimination by track measurement, 25:44635
- MAGDALIEVA, S. High-energy particles forming T-shaped tracks in nuclear emulsion, 25:40876
- MAGDANZ, G. Flux measurements of medium energy neutrons using stilbene and ^6Li glasses, 21:324

- MAGDASIEV, O. L. Investigation of stabilized annular discharge in argon, 21:20992
- MAGDESIEVA, N. N. Comparison of reactivity of selenophene, thiophene, and their methyl derivatives by means of hydrogen isotopic exchange methods, 21:45129
- MAGDICS, A. Prog. rpt. on plutonium passive assay facility plant instrumentation program, 4—6/'70, 25:6515 (BHO-66-1)
- MAGDON, E. Effect of 6-azauridine on irradiated tumours, 25:4590
  - Effect of 6-azauridine on labelling index and mean grain count of Ehrlich-carcinoma ascites cells, 25:18888
  - Effect of deoxyuridine-monophosphate on the radiation-induced mutation rate, 23:35696
  - Utilization of thymidine and deoxyuridine for synthesis of DNA thymidylate in irradiated testicular cells of Drosophila melanogaster, 23:2793
- MAGDON, Erwin Effect of ionizing radiation on DNA x RNA hybridization, 25:26641
  - Incorporation of tritium-labeled uridine into germ cells of Drosophila, 23:38550
  - Investigations on influence of 5-bromouracildesoxyriboside (BUdR) on radioinduced mutation rate in Drosophila melanogaster, 21:32616
  - Radiosensitizing effect of 6-azauracilriboside, 22:47555
  - Studies on the use of leukocyte concentrates for radiobiological experiments on mast cells, 22:40525
- MAGDSICK, Gero Use of image amplifiers for contrast examinations of gastrointestinal tract, 24:719
- MAGEE, Charles B. Effect of surface oxidation on the thermionic work function of beryllium, 24:25709
  - Prog. rpt. on structure of transition metal hydryls, final, 10/66, 21:14181 (N-67-10882)
- MAGEE, J. L. Electrostatic model for the theory of ionic recombination rate, 21:40918
  - Model of tracks of heavy particles in water, 22:29272
  - Theory of ionic neutralization rate following absorption of radiation in condensed phase, 22:29291
  - Theory of radiation chemistry. IX, 23:47499
  - Theory of radiation chemistry. IX, 23:19772
  - Theory of radiation chemistry. VII, 21:100
  - Theory of radiation chemistry. VIII, 21:40928
- MAGEE, John L. Advances in radiation chemistry. I, 24:20805
  - Advances in radiation chemistry. II, 25:34615
  - Capture collisions between ions and polar molecules, 22:5104
  - Energy transfer in radiation chemistry, 24:16608
- MAGEE, Norman H. Calibration of tandem analyzing magnet, 21:33803 (LA-3699)
- MAGEE, P. M. Complex reactor-coolant-loss model including sodium voiding, 25:41476
  - Effects of reactor system design on sodium voiding accidents, 24:7108
  - Heat transfer from fuel elements in a tightly packed, liquid-metal-cooled compact reactor, 21:8031
  - Pressure drop in wire-wrapped rod bundles, 25:41428
  - TEMPR 8: steady state thermal simulation of SNAP reactor, 21:27786 (NAA-SR-Memo-12218)
  - Thermal analysis of drop-calorimeter determination of SNAP fuel specific heats, 21:27788 (NAA-SR-Memo-12324)
  - Turbulent flow of gases in tubes, 22:12525
  - Turbulent heat transfer in a rod bundle with liquid metal coolant, 24:11730 (GEAP-10052)
  - Turbulent thermal entry with gas-transport property variation, 22:5942
- MAGEE, R. J. Oscillopolarographic determination of the platinum metals, 23:28706
  - Preparation of a new thorium 8-hydroxyquinolinate, 22:2059
- MAGEE, Tommy Joe Defect studies in neutron and gamma-irradiated silicon, 25:27848
- MAGER, E. V. Use of γ-excited x-ray luminescence to determine lead content in multi-metal ores, 22:18696 (CONF-651090-1)
- MAGER, T. R. Evaluation by linear elastic fracture mechanics of radiation damage to pressure vessel steels, 25:11470
  - Fracture mechanics approach to reliability in nuclear pressure vessels, 25:22074
  - Fracture mechanics evaluation of reactor vessel steels, 23:21910 (BNWL-790, pp 13.1-8)
  - Fracture mechanics evaluation of reactor vessel steels, 23:24840 (BNWL-870, pp 13.1-18)
  - Fracture toughness K/sub Icd/ values for ASTM A533 grade B, class 1 steel, 25:55517
  - Fracture toughness properties of steel plate and submerged arc weldment, 25:55516
  - Heavy section steel technology program. Technical report No. 11. Notch preparation in compact tension specimens, 25:8872 (WCAP-7579)
  - Heavy section steel technology program. Technical report No. 10. Fracture toughness characterization study of A533, grade B, class 1 steel, 25:11380 (WCAP-7578)
  - Linear elastic fracture mechanics of radiation damage to pressure vessel steels, 24:10125 (WCAP-7328(Rev.))
  - Post-irradiation testing of 2T compact tension specimens. Technical report No. 9, 25:40074 (WCAP-7561)
  - Radiation damage to pressure-vessel steels, 24:14835
- MAGGI, C. A. Growth of myoblasts after x irradiation, 22:573
- MAGGI, G. Contribution of isotopes to the surgery of the thyroid, 25:35190
- MAGGINI, P. Effects of uv on atmospheric pollution, 22:52048
- MAGGIO, Francesco Analytical studies of nitrogen and hydrogen ligands, 24:20781
- MAGGIOLO, A. FSD—IBM 360/44 system at CNAF and its performances both with load and minimum guidance, 23:33498 (ANL-7515, pp 140-63)
- MAGGIONI, G. Radioactivity outside reactor vessel, 23:4288
- MAGGIONI, Gabriella Iterative—variational methods for numerical solution to elliptical problems in reactor theory, 22:50863
- MAGGIORA, A. Dosage in dermatologic radiotherapy, 24:6137
  - Dose in dermatologic radiotherapy, 24:2760
  - Influence of x rays on the mitotic capacity of the epidermal cell, 21:32769
  - Lessening of guinea pig eczema by a previous x irradiation, 24:845
  - Role of the time of irradiation in dermatologic radiotherapy, 21:24520
  - X rays on the sebaceous gland in the guinea pig and man, 21:22610
- MAGGIORE, A. How long is the effect of an x irradiation still perceptible, 21:432
- MAGGIORE, C. Determination of trace elements in samples by nuclear scattering and reaction techniques, 25:57360
  - Lithium-drifted germanium for charged particle spectroscopy, 22:40400
- MAGGIORE, C. J. 40-MeV proton inelastic scattering on ^{50}Ti, ^{51}V, and ^{52}Cr and its microscopic description, 25:14928
  - Proton scattering and optical model differences between ^{40}Ca and ^{48}Ca, 25:17778
  - Single crystal Ge(Li) conversion-coefficient spectrometer, 24:4471
- MAGGIORE, Lucia Moretta Effect of inorganic composition of the diet on sensitivity to ionizing radiation and radiomimetic substances, 21:22735
- MAGGIORE, Q. Neutron activation analysis of trace elements in uremic patients, 23:4568
- MAGGS, J. E. Conjugacy of visual auroras during magnetically quiet periods, 23:10495
  - Measurements of the thicknesses of auroral structures, 22:24165
- MAGHRAWI, H. B. Amine extraction of Pa(IV) and Th(IV) from aqueous organic acid media, 24:36367
  - Extraction of niobium from aqueous organic acid media by structurally related tert-amines, 25:2334
- MAGHZIAN, R. Separation of carrier-free silver from neutron-irradiated palladium, 22:40199
- MAGI, Attilio Some measurements on radioactivity in Sweden caused by nuclear test explosions, 25:11004
- MAGIDOV, M. B. Study of hardening during fatigue of various pure metals, 25:58223
- MAGIERA, E. Computer programs in the analysis of fast neutron cross sections, 24:8897
  - Cross sections and isomeric cross-section ratios for (n,2n) reactions, 25:17946
- MAGINI, M. Hydrolytic behaviour of concentrated thorium nitrate and perchlorate solutions, 22:35814
  - Physico-chemical considerations on sol—gel processes, 23:3123
- MAGINN, R. R. Extracorporeal irradiation of blood in treatment of homograft rejection, 24:41780
- MAGINN, R. Reilly Extracorporeal irradiation of the blood in renal homograft rejection, 22:25741
- MAGISTRELLI, F. Coherent forward scattering of microwaves from density fluctuations in alkali plasmas, 22:41602
  - Dynamic stabilization of drift waves by ac electric fields, 25:7403
  - Electron temperature effects on low-frequency oscillations in an alkali magnetoplasma, 23:32508
- MAGLADRY, R. Hydrogen-diffusion reactor control, 24:16176
- MAGLADRY, Robert Hydrogen diffusion reactor control, 22:10108
  - Terrestrial unattended reactor power system: TURPS, 21:38581
- MAGLIC, B. Analysis of high-energy physics experiments in laboratories with no measuring equipment, 21:26145 (CONF-660722-1)
  - Evidence for eta^0 and ω^0 meson production in reaction p + d $\rightarrow$ ^{3}He + missing mass, 24:26370
  - High resolution, high statistics baryon spectrometer, 25:23855
  - New method for investigation of unstable particles, 22:13656
  - Production of boson resonances in reaction p + d $\rightarrow$ ^{3}He + X^0 using a novel missing-mass spectrometer, 23:46605 (NYO-2171-286)
  - Production of ω in reaction p + d $\rightarrow$ ^{3}He + ω^0, 24:30439 (CONF-690521-, pp 326-36)
  - Production of ω in reaction p + d ^{3}He + ω^0, 23:34527 (NYO-2171-275)
  - Search for structure in the nucleon isobar mass spectrum from 1100 to 1800 MeV, 25:50061
- MAGLIC, B. C. Acoustic spark chamber, 21:3313
  - Empirical one-to-one correspondence between the mass spectra of bosons and nucleon isobars, 21:4037
  - Mass spectrum of bosons from 500 to 2500 Mev in the reaction π^- + p $\rightarrow$ p + X$^-$ observed by a missing-mass spectrometer, 21:886
  - Remarks on film-less detection systems in high-energy physics experiments, 21:28272
- MAGLIC, Bogdan Meson resonances, 25:7551 (CONF-690608-, pp 271-320)
  - Precetron: a principle for obtaining pion—pion and muon—muon collisions, 24:52350
  - PRECETRON: principle for obtaining pion—pion and muon—muon collisions, 23:46866 (PPAR-14)
  - Principle of self-colliding orbits, 24:30661
- MAGLIC, Bogdan C. Fusion reactions in self-colliding orbits, 25:59078
- MAGLIC, K. Enthalpy and heat capacity of U_3O_8 between 273 and 1,000°K, 25:22176
- MAGLIONE, Anthony A. /sup 69m/Zn-chloride. A new scanning agent: a study of its dosimetry and biological fate, 25:11204
- MAGLIULO, E. Action of DNA and ionizing radiations on Ehrlich's ascites tumor, 23:35873
  - Microcinematographic research on the morphogenesis of micro-erythroblasts under the effects of x rays, 21:26566
  - Morphogenesis of cells at several nuclei by action of x radiation, 21:43509
- MAGNAC-VALETTE, D. Analysis of p—^{4}He polarization for E/sub p/ = 1 to 12 MeV, 25:53578
  - Analysis of spectra with aid of IBM 1800 computer, 23:47897
  - Elastic scattering ^{4}He(d,d)^{4}He in S matrix formalism, 24:3843
  - First excited levels of ^{6}Li, 23:37124
  - First excited state of ^{9}Be, 25:45939
  - Scattering chamber with differential pumping, 23:49263
  - Study of the reaction ^{12}C(t,α_0)^{11}B by 1.5- to 3.2-MeV tritons, 22:26899
  - Study of the reaction ^{3}H(^{3}He,γ)^{6}Li at E/sub ^{3}He/ less than or equal to 5.5 MeV, 22:20440
- MAGNAN, C. Emission lines in moving atmospheres, 23:5121
- MAGNAN, Christian Satellite components of spectral lines formed in a differentially rotating disk, 23:20581
- MAGNANA, L. Isotope nephrogram after administration of destrano of low molecular weight and of mannitolo for evaluation of renal damage in obstructive uropathy, 23:2899
- MAGNANE MACHADO, Ruy Chemical consequences of (n,γ) reaction in solid Co(III) tris-acetylacetonate, 24:11546 (CEA-R-3786)
- MAGNANI, C. Chromosome modifications of human lymphocytes after stress, 22:33955
- MAGNANI, L. CERN electron storage and accumulation ring, 22:32250 (CEAL-2000, pp 86-9)
  - Experiments in the longitudinal phase space with the CESAR, 24:10882
  - Experiments in the transverse phase space with the CESAR, 24:10883
  - Measurements of stacking efficiency with CERN electron storage and accumulating ring, 21:29656 (CERN-67-11)
  - Recent experiments with CESAR (electron storage and accumulation ring at CERN), 22:11810
- MAGNANI, N. J. Thermodynamics of formation of binary rare earth—Mg phases with CsCl-type structures, 21:28772
  - Thermodynamics of formation of Th_2Fe_{17}, Th_2Co_{17}, Th_2Ni_{17}, $ThCo_5$, $ThNi_5$, $ThCu_4$, and $ThNi_2$, 23:38978
  - Thermodynamics of formation of Th—Co alloys, 25:24580
  - Thermodynamics of formation of Th—Ni alloys, 24:36886
- MAGNANI, Nicholas J. Effect of chloride ions on the susceptibility to stress corrosion cracking of U-7$^1/_2$ wt percent Nb-2$^1/_2$ wt percent Zr and U-4$^1/_2$ wt percent Nb alloys, 25:24560 (SC-RR-70-860)
  - Phase stability of Th—Fe, Th—Co, Th—Ni and Th—Cu systems, 23:48465
  - Study of stress corrosion cracking behavior of mulberry (U—7.5 wt percent Nb—2.5 wt percent Zr), 24:44702 (SC-RR-70-371)
  - Thermodynamic study of phase stability in transition-metal rich phases of Th—Fe, Th—Co, and Th—Ni systems and Cu rich phases of Th—Cu systems, 23:12329 (IS-T-264)
- MAGNANT, F. Attempt to measure solar limb darkening, 24:28006
- MAGNANTE, P. C. Hyperfine structure of ^{209}Bi in 6p^2(^{3}P$_0$)7s^{4}P/sub 1/2/ state, 22:36718
  - Isotope shift between ^{209}Bi and 6.3-day ^{206}Bi, 23:41934
- MAGNANTE, Peter Carmine Isotope shift in ^{206}Bi, 23:4039
- MAGNAS, Jean-Pierre Prestressed concrete pressure vessel, 24:4046
- MAGNASCO, A. Leukemia appearing after radiotherapeutic treatment, 23:45925
- MAGNASCO, M. Treatment of waste at Santiago, Chile, 25:21116
- MAGNAVAL, R. Distribution of a mixture of fission products in a small model simulating ecological conditions of a stream, 22:19303
  - Distribution of a mixture of fission products in a model simulating a river type of ecological environment, 23:29418 (AEC-tr-7039)
- MAGNE, A. Pot vitrification study of the flow of glass, 21:12615 (ORNL-tr-1445)
- MAGNE, M. Use of the specific properties of liquid crystals in nondestructive testing, 25:6500
- MAGNE, Pierre Comparison of the catalytic effects of various metals in the graphite—oxygen and graphite—nitrous oxide reactions, 25:42931
  - Kinetics of graphite oxidation in N_2O, 25:42932
- MAGNEE, A. Irregular energy distribution of accelerated electron beams, 22:22497
- MAGNELI, Arne Structural order and disorder in oxides of transition metals of Ti, V, and Cr groups, 25:22189
- MAGNER, J. E. Core data, physical properties, and oil yield, USBM/AEC Colorado Core Hole No. 3, 23:21808 (TID-24709)
- MAGNIEN, M. Magnetohydrodynamics in France, 23:12606
- MAGNIEN, Patrick Immediate modifications of visual evoked potentials in adult rabbit exposed to non-lethal whole-body γ irradiation, 22:40916
  - Modifications of vigilance in rabbit exposed to γ irradiation, 22:40843
- MAGNIER, P. Additional observations on grain refining in uranium alloy castings, 22:43602
  - Effect of O on isomorphous UC phase-existence domain, 24:17309 (LA-4230-tr)
  - Effect of oxygen on the region of existence of uc phases, 23:8219
  - Extrusion of uranium or a similar carbide, 22:8811
  - High-temperature compressive creep and hot extrusion of uranium—carbon alloys, 21:20563
- MAGNIER, Pierre Alpha-grain refining and metallurgical study of alloyed uranium, Sicral F1, 24:17223 (CEA-R-3905)
  - Cast grain refining in uranium alloys. Influence of small additions, 23:3070 (CEA-R-3529)

- Influence of small additions of alloying elements, 24:2939 (LA-tr-69-25(Draft))
- Method and apparatus for shaping metallic carbides, 22:38606
- Method of extruding metallic carbides and in particular uranium monocarbide, 23:16520
- Morphological development of corrosion patterns on natural, purified graphite oxidized at 620 deg C by dry or humid air, 21:4986
- MAGNIN, M. New apparatus for control of α and β contamination of hands, 22:45562
- MAGNO, L. Tangential pendular cobalt therapy in the management of breast cancer, 25:58071
- MAGNO, Lorenzo Indications and limits of radiotherapy with electrons, 23:50801
  - Transcutaneous irradiation of the pelvic neoplasia in obese patients, 21:22503
- MAGNO, P. Liquid waste effluents from a nuclear fuel reprocessing plant, 25:12950 (BRH/NERHL-70-2)
  - Liquid waste effluents from a nuclear fuel reprocessing plant, 25:54753
- MAGNO, P. J. Airborne radioactive effluent from operating nuclear fuel reprocessing plant, 25:39603 (BRH/NERHL-70-3)
  - Effect of time on Th and daughter products in tissue, 23:26668
  - Lead-210 in air and total diets in the US during 1966, 24:29726
  - Plutonium in environmental and biological media, 22:28500
  - Plutonium-239 in total diet and milk, 22:28513
  - Strontium and plutonium isotopes in ground level air, 24:33796
- MAGNO, Paul J. Plutonium-239 in human tissues, 24:2606
  - Plutonium-239 in human tissues and bone, 23:45756
  - Radionuclide analysis of large numbers of food and water samples, 21:5761 (PHS-999-RH-17)
  - Strontium-90, ^{90}Sr, ^{239}Pu, and ^{238}Pu concentrations in ground-level air, 1964—1969, 24:33799
- MAGNON, A. Measurement of the muonium hfs splitting and of the muon moment by double resonance, and a new value of α, 25:19888
  - Muonium hyperfine splitting at low pressure, 23:48727
- MAGNON, Anne Solution of problems with the Dicke theory, 25:12273
- MAGNOTTA, F. Electron paramagnetic resonance study of free-radical reactions initiated by radioactive decay in solid naphthalene-1-t, 23:4709
- MAGNUS, H. Delay of the maximum in isotope renograms, 23:48097
- MAGNUS, H. E. Use of continuous dosimeters for conventional fluoroscopy, 24:27588 (CONF-690540-, pp 611-13)
- MAGNUS, I. A. Action spectra in human skin, 21:26580
  - Effects of x rays on the regrowth of hair in the mouse and their modification by cysteamine, 22:49624
  - Photoreactivation of insect virus inactivated with uv, 22:2558
  - Porphyria and photosensitivity, 22:25987
- MAGNUS, Ian A. Influence of pH on the radioprotective action of cysteamine, 23:20268
  - Response of human skin to ultraviolet light, 23:16401
- MAGNUS, Knut On the probability of radiation being the cause of leukemia, 23:10102
- MAGNUS, L. Changes of hematopoietic systems following irradiation, 24:51059
  - Isodose measurement for ^{60}Co eye applicators. II, 24:48554
  - Measurement of isodoses for ^{60}Co eye applicator (according to Stallard). I, 24:718
  - Partial body radiation under conditions of hyperbaric oxygen and administration of Proresid. II, 25:32550
  - Radiological detection of dust deposited in lungs, 24:6076
- MAGNUS, Lothar Depth dose calculations for ^{60}Co applicators for eyes, 23:8030
  - Depth-dose calculation for the ^{60}Co-eye applicator, 21:22484
- MAGNUSKI, Marilyn J. CHORD-S: system of programs for computer handling of reactor data for safety, 23:52304 (CTC-INF-32(Rev.1))
- MAGNUSON, C. E. Proton and negative pion interactions with H, 23:36829
- MAGNUSON, D. W. Auto-radiographic technique for determination of relative power densities in reactor fuel plates, 25:8121 (Y-DR-29)
  - Calculated critical radii for bare spheres of uranyl nitrate—nitric acid solutions and uranium—water mixtures, 23:52480 (Y-DR-11)
  - Critical experiments at H:^{235}U ratios from 0 to 5, 22:33064
  - Critical experiments with enriched uranium metal—polyethylene, —plexiglas, and —teflon mixtures, 22:16289 (ORNL-TM-2082)
  - Criticality calculations for light water reactor and liquid metal fast breeder reactor fuels, 23:17522 (Y-DR-9)
  - Limiting critical concentrations of plutonium—uranium solutions and mixtures, 24:31646 (Y-DR-17)
  - Thermal neutron flux distribution from a ^{252}Cf spontaneous-fission neutron source, 23:1760 (Y-DR-1)
  - Thermal neutron flux distribution from ^{252}Cs spontaneous-fission neutron source, 23:32926 (CONF-681032-, pp 347-62)
  - Values of eta of ^{233}U, ^{235}U, and ^{239}Pu from critical experiments and reactivity measurements, 25:34093
- MAGNUSON, Dale W. Reactor kinetics, experimental techniques, 22:12114
- MAGNUSON, G. D. Collisions of Al and Fe ions and atoms with gases in energy range 5 keV to 2.5 MeV, 21:39827
  - Low-energy charge-transfer cross-section measurements for noble-gas-ion collisions with gases, 22:38792
- MAGNUSON, J. E. Characterization of commercial refractory metal and metal carbide powders, 22:38534 (LA-3894)
- MAGNUSON, Waldo G. Jr. Computer graphics application to computer-aided printed circuit design, 25:37253 (UCRL-72637)
  - Electronic circuit design using computers, 22:16373 (UCRL-70706)
  - Linear network analysis computer program (user's manual), 24:33611 (UCRL-14855)
  - Overview of computer-aided circuit design, 23:28669 (UCRL-71678)
- MAGNUSSON, Bertil Treatment of radiation dermatitis with bethamethasone-17-valerate, vaseline, and eucerine, 22:28618
- MAGNUSSON, E. A. Ligand binding by metalloporphyrins. II. The effect of solvent on the thermodynamic functions, 25:39492
- MAGNUSSON, N. High resolution observations of autoionization electron spectra, 23:32157 (UUIP-589)
- MAGOMEDOV, M. R. Radiation of moving charges in dispersing media, 24:40211
  - Radiation of the arbitrarily moving charges in the presence of two media, 22:9490
- MAGOMEDOV, Sh. A. Diffusion of radioactive decay products in monazites, 23:15968
  - Diffusion of radioactive decay products in monazites, 23:31414 (ANL-Trans-748)
- MAGON, L. Complexes of plutonyl ion with acetate, 23:21708
  - Complexes of Pu(III) with acetate, 23:21705
  - Neptunyl(VI)—acetate complexes in aqueous solution, 24:38822
  - Plutonyl(VI) complexes with glycolate and β-chloropropionate in aqueous solution, 24:13841
  - Plutonyl—monochloroacetate complexes in aqueous solution, 23:28857
- MAGON, Luciano Plutonium(III)—thiocyanate complexes: investigations by electrophoresis and ion exchange, 21:17633
- MAGONOV, G. M. Semiautomatic television device for measuring ionization losses, 25:42142
- MAGOON, M. L. Radiation-induced mutations in Colocasia esculenta, 25:39819
- MAGOS, L. Effect of halide ions on the Hg reversible ^{203}Hg exchange reaction between air and aqueous solution, 21:21954
  - Radiochemical determination of metallic mercury vapor in air, 21:3004
- MAGRADZE, B. A. K/sub l3/ decays and chiral symmetry-breaking, 25:56537 (JINR-E2-5996)
- MAGRAKVELIDZE, T. Sh. Determination of the average effective radius of vaporization centers in the nucleate boiling of liquids, 25:6215 (AEC-tr-7202)
- MAGRANE, W. G. Comparative ocular effects of aging and x-irradiation in the beagle, 24:29855 (UCD-472-116, pp 25-7)
- MAGRETOVA, N. N. Structure of a shock wave with multiply ionized atoms, 25:40644
- MAGRI, V. STAZ-2: program for thermohydraulic analysis of channel of water-moderated and cooled nuclear reactor core operating in stationary state, 25:28679 (EUR-4553)
- MAGRI-ALLEGRA, G. Effects of chemical and physical mutagens on forage vetch. II, 21:1842
- MAGRINI, U. Investigating motion of gas bubbles in liquids, 23:29087
  - Power fluctuations induced on an argonaut type reactor by electrolytic bubbles, 22:12097
- MAGRO, G. Iodine pools in extrathyroidal tissues, 23:43685
  - Iodine pools of muscular and adipose tissues, 25:6602
  - Neutron activation analysis of iodine in man, 23:5038
- MAGRUDER, A. P. Germanium-73(n,γ)^{74}Ge gamma-ray spectrum and energy levels of ^{74}Ge, 23:52138
- MAGUIN, C. Consequences of internal symmetry properties on nucleon correlations in nuclei, 24:45823
  - Test for SU$_4$ symmetry of nuclei. II, 24:6962
  - Test on the SU$_4$ symmetry of nuclei, 22:22632
- MAGUIRE, B. L. Effective spatial resolution of the electron beam fluorescence probe in helium, 21:29010
- MAGUIRE, Bassett Jr. Aquatic communities in bromeliad leaf axils and the influence of radiation, 25:21815 (TID-24270, pp E.95-101)
- MAGUIRE, H. C. Allergic contact dermatitis sensitization reaction to whole-body x ray in the guinea pig, 21:16480
- MAGUIRE, Henry C. Delayed hypersensitivity in markedly panleukopenic guinea pigs, 21:16465
- MAGUIRE, Henry C. Jr. Enhancement of DNCB contact sensitization by cyclophosphamide in the guinea pig, 21:28618
  - Rapid inhibitory effect of immunosuppressants in guinea pig, 24:12007
- MAGUIRE, J. J. Anomalous particle fluxes at synchronous orbit, 1/67, 23:1262 (N-68-27386)
  - Energy of confinement of a shielded magnetic dipole field, 21:11497
  - Energy principles for confinement of magnetic field, 21:5148
  - Gross local-time particle asymmetries at the synchronous orbit altitude, 22:2937
  - Particle dynamics at the synchronous orbit, 23:44284
  - Particle phenomena discernible at geostationary orbit via ATS-1 satellite, 22:34397
  - Plasma flow directions at the magnetopuse on January 13 and 14, 1967, 22:47977
  - Variety of particle phenomena discernible at geostationary orbit via ATS-1 satellite, 23:1261 (N-68-27385)
- MAGUIRE, John J. Effect of the interplanetary field on the energy of geomagnetic disturbances, 22:31714
  - Magnetic energy relationships in the magnetosphere, 23:44272
- MAGUIRE, M. M. Possible electron paramagnetic resonance detection of plasma oscillations, 25:40716
- MAGUIRE, W. Princeton automatic track reader, 25:13250 (CERN-70-21(Vol.1), pp 273-83)
- MAGURNO, B. A. Compilation of neutron-induced threshold reactions, 22:29828 (BNL-12417)
- MAGURNO, Benjamin A. Neutron cross sections, 21:2653 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2A))
  - Neutron cross sections, 21:11919 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2B))
  - Neutron cross sections, IIC, 21:33958 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2C))
- MAGYAR, B. Accuracy and applicability of x-ray fluorescence for determination of the concentration of the elements phosphorus to uranium in solution, 25:28962
- MAGYAR, Eva Irradiation nephritis, 25:601
- MAGYAR, Szuzsa Prolongation of skin homograft survival by local intralymphatic radioisotope injections, 22:21439
- MAGYAR, Zsuzsa Prolongation of survival of skin homotransplants by radioactive isotopes, 23:20362
- MAGYARI, E. Approach to quantum mechanical four-body bound-state problem. II, 25:36364
  - Approach to quantum-mechanical four-body bound-state problem. I, 25:12050
  - Cherenkov effect in covariant formulation, 24:28508
  - Elementary and composite particles in quantum field theory, 23:49196
  - Elementary and composite particles in framework of models of quantum field theory. II, 23:49197
  - Exactly solvable quantum-mechanical N-body problem, 25:27934
  - Inverse problem in potential scattering, 25:22909
  - Spherically symmetric potentials for low-energy n—p scattering, 25:22854
- MAGZUMOV, E. Zh. Development of the mechanism determined by pole and four-point diagrams in direct (t,p) and (^{3}He,p) reactions on 1p-shell nuclei, 21:10121
  - Differential cross sections for quadrangular graphs in some direct nuclear reactions, 24:38380
  - DWBA-calculation of amplitudes of rectangle diagrams in direct nuclear reactions, 24:22093
  - Quadrangle graph and inelastic scattering of low-energy (5 to 10 MeV) protons and deuterons of some p-shell nuclei, 23:19373
  - Rectangle diagrams in (p,p'), (d,d'), (t,p)—(^{3}He,p) reactions on some nuclei of p-shell, 22:50683
- MAGZUMOVA, V. S. General regularities in the reactions of substitution of nucleon clusters in nuclei of p-shell, 21:40497
- MAH, C. S. Design and development of a SNAP-8 mercury pump motor assembly, 24:52978 (N-70-31873)
- MAH, G. Internal friction of cold-worked Nb(Cb)—Al alloys, 24:32408
- MAH, S. J. Mass-screening technique for obtaining bacterial blight resistant mutants in soybeans, 22:36246
- MAH, S. Q. Current-induced ion heating in a toroidal plasma, 25:5069
  - Plasma losses in a toroidal magnetic field, 22:17618
- MAHADEVAN, E. G. Use of dimethyl sulphoxide as a solvent for the rapid isotopic analysis of water by infrared spectrometry, 22:4048
- MAHADEVAN, N. Stabilities of some mixed coplexes of Th(IV), 25:6330
- MAHADEVAN, P. Collisions of Al and Fe ions and atoms with gases in energy range 5 keV to 2.5 MeV, 21:39827
  - Electron transfer and detachment in collisions of low-energy negative ions with O_2, 24:19765
  - Low-energy charge-transfer cross-section measurements for noble-gas-ion collisions with gases, 22:38792
  - Mechanism for the auroral emission of O I (6300 A), 23:1273
- MAHADEVAN, T. N. Environmental concentrations of some of the major inorganic pollutants at the BARC site, Trombay, Bombay, 24:19094 (BARC-442)
  - Ground level air (^{141}Ce and ^{144}Ce) at Bombay, 21:43063
  - Radiochemical determination of ^{210}Pb in ground level air in India, 23:462
  - Seasonal variations of radium-D (^{210}Pb) in ground-level air in India, 22:35949
- MAHADEVAPPA, D. S. Paramagnetic resonance in gamma-irradiated rongalite, 22:2123
- MAHAFFEY, J. A. Generation and blocking of experimental points for fractional factorials, 22:3965 (BNWL-336)
- MAHAFFEY, M. K. Survey of transport methods for short term irradiation facilities, 24:5848 (BNWL-1215)
- MAHAFFEY, William Raymond Study of radiation produced by high-energy electrons in a disk-loaded waveguide, 25:12317
- MAHAFFY, Maureen E. Influence of ^{60}Co contamination in structural steel on background counting-rate of the whole-body monitor, 24:4424 (SRRC-33/69)
- MAHAGIN, D. E. Burnable poison additions to UO_2, 21:34169 (CEND-3107-306)
  - EBR-II driver-fuel surveillance, 21:7971
  - Irradiation testing of UO_2 fuel elements containing burnable poison additions, 22:4909
  - Prog. rpt. on V purification, 2—4/67, 21:34864 (CEND-3742-311)
  - Testing of UO_2 fuel elements containing burnable poison, 23:8348
- MAHAJAN, A. S. Scattering of polarized neutrons by intermediate and heavy nuclei, 21:13840
- MAHAJAN, K. Seasonal variations in F2 region, 24:37315 (N-70-16999)
- MAHAJAN, K. K. Diurnal variation of the ion temperature, 23:12652
  - Diurnal variation of the ion temperature, 23:16708 (N-68-31888)
  - Electron temperature above Arecibo, 23:23001
  - Electron temperature dependence of F-region absorption, 25:49813
  - Extent of thermal nonequilibrium in the ionosphere, 21:41932
  - Global observations on the thermal balance of the nighttime protonosphere, 23:30399 (N-69-19649)

  Incoherent backscatter study of electron content and equivalent slab thickness, 22:22040
  Ionospheric estimates of atomic oxygen concentration from charged particle measurements, 25:43260
  Polar maximum of electron concentration at 1000-km altitude, 25:9317
  Polar peak of electron concentration at 1000 kilometers altitude, 24:30206 (N-70-21477)
  Radar backscatter and rocket probe measurements of electron temperature above Arecibo, 23:30400 (N-69-19850)
  Seasonal variation in F2 region, 25:16953
  Solar radio flux and ionospheric temperatures, 21:41931
  Thermal balance in nighttime protonosphere, 23:48832
MAHAJAN, Kishan P. Isotope effects on succinate dehydrogenase-L-chlorosuccinate system, 23:2300
MAHAJAN, S. Influence of prior mechanical and thermal treatments on shock-induced substructures in molybdenum, 25:55543
  Twin—slip and twin—twin interactions in Mo—35 at. percent Re alloy, 25:35481
MAHAJAN, S. K. Genetic mapping in Escherichia coli K-12 by radiation-induced crossing-over, 24:48510
MAHAL, H. S. Water chemistry studies. III, 25:39995 (BARC-530)
MAHALANABIS, J. Lambda-nucleon scattering lengths, 25:50160
  Reaction ^{6}Li(n,p)^{6}He in the impulse approximation, 23:49342
  Reaction ^{7}Li(p,n) in the impulse approximation, 23:10948
MAHALANABIS, Jayanti Direct (p,n) reaction in ^{7}Li, 24:49707 (SINP-TH-68-4)
MAHALEY, M. S. Jr. Immunity to human brain tumors, 25:57263 (ORO-3195-51)
  Virus-cell relationships in dog brain tumors, 25:57262 (ORO-3195-50)
MAHALEY, M. Stephen Jr. Localization of anti-brain radioantibodies in rat brain, 21:26337
MAHALINGAM, L. M. Analysis of Zero Power Reactor III assembly 48 with recent cross-section data, 24:16230 (BARC-421)
  Analysis of ZPR-III fast critical assembly 48, 24:16246
MAHAN, B. H. Collision-induced dissociation of molecular ions, 24:37234
  Collisional excitation of small molecular ions, 24:37246
  Dynamics of the reaction of Ar^{+} with D$_2$, 24:26014
  Dynamics of the reaction of N$_2^{+}$ with H$_2$, D$_2$, and HD, 22:52517
  Inelastic scattering of N$_2^{+}$ by He, 21:41784
  Product energy and angular distributions from reaction of N$_2^{+}$ with isotopic hydrogen molecules, 22:34290
  Reactions O$_2^{+}$—HD at high energy: new type of isotope effect, 25:109
MAHAN, Bruce H. Charge transfer between positive alkali ions and atoms, 22:47826
  Collisional excitation of classical anharmonic oscillator, 24:37224
  Dynamics of ion—molecule reactions, 22:40068
  Dynamics of reactions of N$_2^{+}$ with CH$_4$ and CD$_4$, 23:12572
  Gaseous ion recombination. V, 22:26216
  Ion-molecule collision processes, 25:29064
MAHAN, G. D. Interstitial irradiation of apical lung cancer, 25:46931
MAHAN, James Robert Effects of local fluid constriction on confined-discharge plasma generator, 25:52837
MAHAN, Kent I. Analysis of the products of recoil tritium reactions with hydrocarbons by dual column radio gas chromatography, 23:37996
  Reactions of recoil tritium with propene in the liquid phase, 23:33213
  Recoil tritium reactions with propene in the gas phase, 25:32014
MAHAN, Kent Ira Recoil tritium reactions of propene and acetylene: secondary and phase effects, 24:46288
MAHAN, R. E. Automation in analytic chemistry: methods and motivation, 25:4008 (BNWL-SA-3341)
  Process control computer system specification guideline, 24:41079 (BNWL-1378)
  State of the art survey of the data display field, 22:35727 (BNWL-725)
  State-of-the-art survey of low-level multiplexers, 22:50882 (BNWL-838)
  Trends in low-level multiplexing, 23:11896 (BNWL-SA-2085)
MAHAN, Robert E. Use of self-administered patient histories at the hanford environmental health foundation, 25:41629 (BNWL-B-48)
MAHAN, S. Significance of Th, U, and K in some early Precambrian graywackes, 24:41425
  Significance of Th, U, and K in some early Precambrian graywackes from Wyoming and Minnesota, 25:21196
MAHANTA, M. N. Solution of the vacuum static case of spherical symmetry in Brans—Dicke theory, 25:41100
MAHANTA, P. Mesons in the higher-symmetry Reggeization, 23:21143
  O$_{3,1}$ symmetry and the Lorentz states of exchanged trajectories for 0 + $^{1}/_{2}$ $\to$ 1 + $^{1}/_{2}$ spin processes, 22:34985
  Representation mixing in Utilde$_{12}$, 21:21283
  Transformations between basis vectors of unitary SL/sub 2,C/ representations, 22:9631
MAHANTHAPPA, K. Phenomenological aspects of Regge trajectories, 21:21314
MAHANTHAPPA, K. T. Cabibbo angle and 27-plet driving terms, 24:24410
  Conference on high energy physics, Boulder, Colo., 8/69, 24:21908
  Decay eta $\to$ 2π + 2γ and current algebra, 21:42315
  Impact parametrisation and daughter trajectories, 22:41880
  Mass splitting and nonleptonic S-wave decays of hadrons in SU(6) algebra of Gell—Mann, 22:13819
  Non existence of ambiguities in SU(3) x SU(3) breaking, 25:25474 (ISS-70/25)
  Nonexistence of ambiguities in SU(3) x SU(3) breaking, 25:9831
  Pion—nucleon collision and single-pion production. II, 21:42360
  Pion—nucleon collisions and single-pion production, 21:23341
  Schwinger terms in stress-tensor commutators, 23:36863
  SU(3) x SU(3), symmetry breaking, and Cabibbo angle, 24:49558
  SU(3) x SU(3), symmetry breaking, and Cabibbo angle. II, 25:25480
  Sugawara model, stress tensor, and spectral sum rules, 24:8713
  Sum rules for inclusive hadronic processes, 25:53140
MAHANTHAPPA, Kalayana T. Conference on atomic collision processes, Boulder, Colo., 6—8/68, 24:17663
MAHANTHAPPA, Kalyana T. Conference on elementary particle physics, Boulder, Colo., 6—8/68. II, 24:8571
  Conference on elementary particle physics, Boulder, Colo., 6—8/68. I, 24:8579
  Conference on quantum fluids and nuclear matter, Boulder, Colo., 6—8/68, 24:15226
MAHANTI, D. Binding energy of the alpha particle with a velocity-dependent potential containing a tensor component, 25:23084
  Binding energy of the alpha particle with a tensor velocity-dependent potential, 25:50635
  Effect of tensor forces on charge form factor of α-particle, 25:43783
  Photodisintegration of helium, 25:23083
MAHANTI, S. D. Self-polarization contribution to magnetic ordering in systems with singlet ground state, 25:14460
  Theory of hyperfine properties of beryllium and magnesium metals, 24:20005
  Theory of isotropic and anisotropic Knight shifts in Be, 22:20075
MAHANY, Patrick G. Effect of gamma radiation on malathion deposits, 23:50826
MAHAPANYAWONG, Sakow Experiences in neutron dosimetry, 23:29232 (THAI.-AEC-23)
MAHARANA, J. Charge exchange polarization (πN) in Veneziano model, 25:36517
  Existence of peaks in cross sections of reactions p + p $\to$ d + π^{+}, anti K + d $\to$ p + Λ and p + d $\to$ ^{3}He + X, 23:36955
  PiN charge-exchange polarization in Veneziano model, 25:9793
MAHAUX, C. Asymmetry of T = 0 resonances in the giant dipole resonance in light even—even nuclei, 24:43181
  Comparison between R-matrix and eigenchannel methods, 22:37385
  Comparison between R-matrix and shell-model approaches to nuclear reactions, 21:23561
  DWBA in shell-model approach to nuclear reactions, 22:5895
  Fine structure and neutron decay of the isobaric analogue resonances, 21:12100
  Fine structure of a doorway state, 21:5587
  Fine structure of analog resonances, 25:28463
  Fine structure of doorway state in ^{207}Pb, 22:1671
  Fine structure of the isobaric analogue resonances, 21:1143
  Fine structure, partial widths, and spreading widths of isobaric analogue resonances, 23:32962
  Hole potential energy in nuclear matter calculations, 25:20540
  Intermediate structure in a two-channel model, 22:30070
  Isospin mixing in the giant dipole resonance of self-conjugate nuclei, 24:35926
  Isospin purity of the isobaric analogue resonances for several open channels, 21:31858
  Mixing between simple and complicated states and identification of doorway states, 24:1874
  One-level approximation and isospin purity at the isobaric analogue resonances, 21:10099
  Shell-model description of nuclear reactions, 25:7910
  Single-particle limit for partial widths, 24:13399
  Wave functions near resonance and R-matrix expansion, 24:52675
MAHAUX, Claude Shell-model approach to nuclear reactions, 23:40157
MAHDAVI, Azizeh Th, U, and K contents of Atlantic and Gulf beach sands, 22:2202
MAHDI, S. Isotopic measurements of labile phosphate in soils, 23:40570
MAHE, J. Thermalization of neutrons in a natural water reactor and COELACANTH code, 21:44829 (EUR-3610.f)
MAHE, R. Study of definite binary and pseudobinary systems between Nb$_2$O$_5$ and PbO, SrO, BaO, 25:40126
MAHENC, J. Chemical and isotopic analysis of nitrogen compounds by mass spectrometry, 23:49719
  Column fractionation for isotope separation by chemical exchange, 22:42838
  Mass spectrometric analysis of N and O isotopes, 24:46182
MAHENC, Jean Electrochemical oxidation of sulfur dioxide on a platinum electrode, 25:31754 (UCRL-Trans-10525)
MAHENDRA, Pal Effect of uv radiations on amino acids. I, 23:7939
MAHE-PAILLERET, Paulette Chemical and structural investigation of AB$_2$O$_8$ compounds of Mo—V—O, U—V—O, and U—Mo—O systems, 25:13776
MAHER, D. M. Electron microscope image contrast from dislocation loops, 25:32742
  Identification of vacancy and interstitial loops in neutron-irradiated molybdenum, 22:20049
  Neutron damage in Mo. I, 25:24609
  Neutron damage in Mo. II, 25:24610
  Neutron irradiation damage in Mo. III, 25:45093
MAHER, Frank T. Renal clearance in man of radioactive iodine, 23:20297
  Renal clearance of Tc as pertechnetate, 24:21063
MAHER, J. Reaction (p,t) on ^{119}Sn and ^{117}Sn, 24:43437
  Reaction (p,t) on even tin isotopes, 22:27202
MAHER, J. V. ^{89}Y states populated by single-proton stripping, 25:34036
  8.11-MeV level of ^{11}C, 24:45755
  Ambiguities in the imaginary part of the heavy-ion optical potential, 24:49722
  Configuration mixing and J dependence in l = 3 stripping and pickup reactions, 22:37387
  Elastic scattering in ^{12}C + ^{12}C system, 24:49730
  Excitation-function structure in ^{16}O + ^{16}O scattering, 21:38239
  Interactions g/sub $^{9}/_{2}$/—d/sub $^{5}/_{2}$/ in ^{94}Nb and ^{93}Nb, 25:1740
  Nuclear interaction of oxygen with oxygen, 24:15804
  Proton stripping strengths for levels of ^{11}C, 25:33985
  Unexpected strong pair correlations in excited 0^{+} states of actinide nuclei, 24:52637
MAHER, James Structure in ^{16}O + ^{16}O elastic scattering excitation curves for 35 MeV less than or equal to E/sub LAB/ less than or equal to 80 MeV, 22:26874
MAHER, James Vincent Jr. Nuclear interaction of oxygen with oxygen, 24:28711
MAHER, K. J. Decay constants in Be oxide, 24:52379
  Thermalization process in beryllium oxide, 22:29878
MAHER, P. K. Fast neutron time-of-flight spectrometer, 24:50580
MAHER, Veronica M. Interaction and linkage of polycyclic hydrocarbons to nucleic acids, 25:142 (TID-25513)
MAHER, W. F. Jr. Spinor approach to Lanczos spin tensor, 23:1699
  Spinor approach to some problems in Lorentzian geometry, 24:28607
MAHESH, Krishan Numerical estimates for EAS detection as Cherenkov pulses, 22:14790
  Particle counting analysis of a perspex Cherenkov counter, 21:28242
  Pressure considerations of Moessbauer effect, 21:18817
  Pressure dependence of Moessbauer energy shift, 21:44809
  Temperature dependence of Moessbauer effect, 23:3602
MAHESHWARI, A. S-matrix for the gravitational field in a nonlinear gauge, 24:49602
MAHESHWARI, A. N. Universality and the existence of quarks, 21:21231
MAHESHWARI, Amar Finite-range gravitation, 23:44142
  S matrix for Yang—Mills field in nonlinear gauge, 25:1613
  Schwinger equations for Yang—Mills and gravitational fields, 25:56561
  Weak interaction as an S matrix, 25:9740
MAHESHWARI, Amar N. Baryonic Regge recurrences and U(6)/sub W/ X O(2)/sub W/ symmetry with applications to decays and photoproduction, 21:37809
  Regge-pole model for the photoproduction of vector mesons, 22:37109
MAHESHWARI, P. N. Energy levels of ^{51}V, 24:15828
  Nuclear structure studies of ^{51}V by ^{50}Ti(^{3}He,d) reaction, 25:28231
  Reactions ^{48}Ti(α,p)^{51}V and ^{50}Ti(^{3}He,d)^{51}V, 25:36716
  Spectroscopic study of ^{47} ^{49} ^{51}V with (^{3}He,d) reaction at 10 MeV, 21:44652
  Spectroscopy of ^{49}V and ^{51}V with (^{3}He,d) reaction at 10 MeV, 22:26939
MAHESHWARI, R. C. Overlap integrals and r-centroids of D$^{1}\Delta$ $\to$ A ^{1}PI system of MgO, 21:23011
MAHESWARAN, M. Meridian circulation, 22:43815
MAHFOUZ, M. M. Genetically significant dose from diagnostic radiology, 21:14670
MAHIEU, C. Corrosion tests on various materials in seawater up to 150°C, 25:10360 (ORNL-tr-2412)
  Effect of nickel, silicon, and molybdenum on corrosion of austenitic iron—chromium—nickel alloys in superheated steam, 23:48325 (ORNL-tr-2190)
  Influence of Ni, Si, and Mo on corrosion of Fe—Cr—Ni austenitic alloys, 23:10168
MAHIEU, W. Mechanical behavior of Be wire reinforced plastic composites, 23:48448
  Mechanical behavior of Be wire-reinforced plastic composites, 22:2716
MAHIEUX, J. Automatic timing and control system for activation experiments with particle accelerators, 22:7595
  Elimination of pulse pikeup distortion in nuclear radiation spectra, 22:16942
  One-crystal NaI spectrometer, 22:36085
MAHIN, D. T. Altered wound healing in x irradiated rats, 22:25851
  Combined surgical and radiation injury, 22:33859
  Combined surgical and radiation injury, 23:8060
MAHIN, Dorsey T. Sample preparation for determination of tritium, ^{14}C, or ^{35}S in blood or tissue, 21:1271
MAHLA, E. M. Consolidation and primary working of refractory metals, 23:27041
MAHLEIN, H. F. Conversion electrons of ^{186}Re following neutron capture, 22:9895
  Double-focussing beta spectrometer with high dispersion and intermediate image for measurement of conversion electrons following neutron capture, 21:36464
  Nuclear levels in ^{186}Re, 23:31010
MAHLER, Dan Surgical treatment of chronic radiation injuries of axilla and shoulder, 25:29569
MAHLER, Delmar J. Study of trace metals in fingernails and hair using neutron activation analysis, 25:8229
MAHLER, H. R. Deuterium effects on binding of reduced coenzyme alcohol dehydrogenase isoenzyme EE, 25:29056
MAHLER, Heinz Milling internal wall of tubes, 24:22860
MAHLER, I. Enzymatic mechanisms for the repair of uv irradiated DNA, 24:48755
  Enzymes in repair of uv irradiated DNA, 23:47972
MAHLER, Inga Mechanisms of enhancement of SP82 transfection, 23:50340
  Repair of UV-irradiated DNA, 25:10959 (BNL-50203, pp 27-40)

Transformation of radiation sensitive strains of Micrococcus lysodeikticus, 22:51510
MAHLER, R. J. Nuclear hexadecapole interactions, 21:7368
MAHLITZ, P. Effects of ionizing radiation on sulfur dioxide—oxygen system. V, 24:41346
MAHLMAN, H. A. Kinetic evidence that G/sub OH/ in the radiolysis of aqueous sulfuric and nitric acid solutions is proportional to electron fraction water, 25:2277
  Kinetics of the oxidation of cerium(III) by peroxysulfuric acids induced by ^{60}Co γ radiation, 24:31417
  Nature of the precursor of molecular hydrogen in the radiolysis of water, 22:2163
  Oxidation of cerium(III) in sulfuric acid solutions induced by γ radiation, 23:269
  Radiation chemistry of concentrated $NaNO_3$ solutions, 23:47508
  Radiolysis of nitrous oxide saturated solutions: effect of sodium nitrate, 2-propanol, and sodium formate, 21:5941
MAHLMAN, Harvey A. Determination of the ratio of the velocity constants of nitrogen protoxide and of nitrate ions with solvated electrons, 21:8382
MAHLMAN, J. D. Dynamical mechanisms producing large-scale transport of atmospheric trace substances, 25:21201 (NPS-51-MZ-70101-A)
  Long-term dependence of surface fallout fluctuations upon tropopause-level cyclogenesis, 24:14085
  Role of the tropopause in stratospheric—tropospheric exchange processes, 21:12528 (COO-1340-9)
MAHLMAN, Jerry David Atmospheric general circulation and transport of radioactive debris, 22:10384
MAHLMEISTER, J. E. Application of reliability margin analysis to fast breeder reactor fuel-pin design, 22:32837
  Prediction of fuel pin lifetimes, 24:10212
MAHLUM, D. D. Age dependence of radioiodine metabolism and toxicity in rats, 24:34618 (BNWL-1050(Pt.1), pp 4.7-11)
  Beta irradiation of swine skin: an experimental design, 24:34614 (BNWL-1050(Pt.1), pp 1.17-18)
  Cerium-144 in fetal and newborn rat, 22:30950
  Cocarcinogenic effects of chemicals and radiation, 21:14706 (BNWL-280, pp 17-18)
  Comparative metabolism of ^{137}Cs, 24:576
  Effect of age and physicochemical form on plutonium toxicity and metabolism in the rat, 24:34617 (BNWL-1050(Pt.1), pp 4.3-6)
  Effect of environmental temperature and K consumption on ^{137}Cs metabolism in the rat, 23:6362
  Hepatocarcinogens and radionuclide metabolism, 21:14526 (BNWL-280, pp 18-19)
  Metabolism of ^{137}Cs by rats, 23:43679
  Neptunium toxicity and plasma lipids in the rat, 21:14541 (BNWL-280, pp 35-7)
  Neptunium-induced fatty livers in rats, 24:23092
  Particle size and animal age as factors in evaluating hazards from ingested radionuclides, 21:28586 (BNWL-SA-1144)
  Particle size and animal age as factors in evaluating hazards from ingested radionuclides, 22:49331
  Passage of tracer through gastrointestinal tract of rats, 23:50305
  Physico-chemical and biological interactions in rare earth metabolism, 25:46674 (BNWL-SA-3964)
  Physicochemical state as a determinant of ^{238}Pu toxicity in the rat, 23:47927
  Placental transfer of actinides in rats, 22:30948
  Skeletal changes produced by ^{239}Pu and ^{144}Ce, 24:23084 (CONF-690501-, pp 567-76)
  Zinc metabolism in rats, 24:23079 (CONF-690501-, pp 207-16)
MAHLUM, D. Dennis Conference on radiation biology of fetal and juvenile mammal, Richland, Wash., 5/69, 24:23310 (CONF-690501)
MAHMOOD, A. J. Kinetic study of isotopic exchange reactions between lanthanide ions and lanthanide polyaminopolycarboxylic acid complex ions. I, 22:37726
MAHMOOD, Noorul Hasan Genetic variation and its influence on protection by L-cysteine against gamma radiation, 21:34713
MAHMOUD, H. M. Experimental studies on shock waves propagated through a longitudinal magnetic field in electrodeless discharge tubes, 25:36092 (UARAEE-101)
MAHMOUD, K. A. Affinity of Ismailia Canal bottom sediments for certain radionuclides, 24:31482
  Application of the plasma-quenching effect for emergency and accident radiation monitoring, 25:58017
  Assessment of accidental external exposure and internal contamination of workers and medical management, 24:7858
  Basic principles of emergency planning and organization for fairly small nuclear establishments, 24:7892
  Changes in quenching effects of animal plasma and sera with radiation dose, 22:38247 (A-AC-82/G/L-1163)
  Effect of x-irradiation on canine heart, 24:44598
  Experience developed in monitoring and control of radiation in U.A.R, 25:52089 (A/CONF.49/P-142)
  Genetically significant dose from diagnostic radiology, 21:14670
  Management and treatment of low- and intermediate-level radioactive wastes in the UAR, 21:264
  Strontium-90 fallout deposition and surface air γ activity in U.A.R. during 1969 and ^{90}Sr in human bones during 1968 and 1969, 25:37787 (NP-18731)
  Strontium-90 levels of fallout and food diet in UAR during 1968, 23:35702 (A-AC-82/G/L-1280)
MAHMOUD, Kamal A. Electrocardiographic changes following x-irradiation of the canine heart, 25:21895
MAHN, C. Anomalous scattering of laser light from a magnetized arc plasma, 25:36123
  Difference between the ionization equilibria of H-like and alkali-like ions in optically thin plasmas, 21:20912 (IPP-3/52)
  Distinctive ionization equilibrium of hydrogen- and alkali-like ions in optically thin plasmas, 22:17663
  Experimental investigations of hydrogen arc in axial magnetic field, 21:11661 (IPP-3/44)
  Increasing plasma arc temperature in magnetic field, 21:7176 (ORNL-tr-1438)
  Measurement of the thermal conductivity in a magnetic field, 22:52758
  Measurements of electric fields and plasma velocities in the Bogen, 21:40029
MAHNA, Kashmiri L. Zoned fuel core for a sodium-cooled fast reactor, 21:7909
MAHNE, E. J. Precipitate flotation. IV, 23:19849
MAHNIG, M. Low-temperature heat capacities of transition metal borides, 25:42974
MAHNKE, H.-E. Larmor precession on the 20 ms isomeric state of ^{71}Ge, 25:17809
  Lifetime and g-factor of 273 keV level in ^{74}As, 25:25680
  Magnetic moment of level in ^{58}Co, 25:3618
  Perturbed angular correlation of nuclei coherently excited by pulsed-beam techniques, 22:44797
  Stroboscopic observation of nuclear Larmor precession, 24:24532
  Time-dependent relaxation of aligned nuclei due to radiation-induced vacancies in solid germanium, 24:37549
MAHNKEN, C. Oceanography and marine ecology in vicinity of Amchitka Island, 23:13598 (BMI-171-112)
MAHON, A. F. Radioisotopes for lighting, 21:12599
MAHON, Arthur Francis Improvements in light sources, 23:9661
MAHON, Harold P. Calibration system for a pulse nuclear induction spectrometer, 24:5949
MAHON, R. Optical generation of electron plasma waves, 25:59101
MAHONEY, D. J. Preparation of industrial ^{252}Cf neutron sources at Savannah River Laboratory, 25:50600 (CONF-710402-(Vol.2), pp I.72-83)
MAHONEY, F. Investigation of level structure of Nb and Ta by (n,n') reaction using a time gated Li—Ge spectrometer, 22:27158
MAHONEY, F. J. Mathematical theory of radiation dosimetry, 22:38109
MAHONEY, F. S. Level structure of ^{181}Ta, 24:35881
MAHONEY, G. F. Role of environmental contamination in criminalistics: a case history, 25:48465 (CONF-710402-(Vol.2), pp II.71-6)
  Toxicity of irradiated p-hydroxymercuribenzoate, 24:9775
MAHONEY, J. Determination of Y_4 deformations in rare earth region by inelastic alpha particle scattering, 22:3700 (UCRL-17547(Exp.))
  Determination of Y_{40} and Y_{60} components in the shapes of rare earth nuclei, 22:14007
  Excitation of single neutron hole states in ^{207}Pb by inelastic proton scattering at 20.2 MeV, 22:50627
  Inelastic alpha particle scattering in the rare earth region and determination of $\beta 4$, 22:27205
  Lead-208(d,t) and (d,^{3}He) reactions with 50-MeV deuterons, 23:31020
  Scattering of alpha-particles by ^{55}Mn, 23:32919
MAHONEY, J. B. Effective elastic coefficients for spherical shell perforated by many radial holes, 21:32339 (TID-23886)
MAHONEY, James A. Simulation devices for protective construction, 21:1534 (AD-629607)
MAHONEY, Jeanette Inelastic scattering of 17.8 MeV protons from ^{58}Ni, ^{60}Ni, and ^{120}Sn and the determination of spin and parity assignments for ^{58}Ni from α-particle scattering, 21:46691
MAHONEY, Jeannette Multiple nuclear excitation of rotational levels in ^{152}Sm and ^{154}Sm, 21:10028
MAHONEY, John Arthur Isotopic exchange reactions induced by alpha particles in hydrogen and in nitrogen gases, 23:31347
MAHONEY, John F. Electrohydrodynamic ion source, 24:8381
MAHONEY, John P. Studies on manganese. III, 22:51358
MAHONEY, Judith A. Post-irradiation properties of cultured Chinese hamster cells, 24:9938
  Responses of cultured Chinese hamster cells to ultraviolet light, 22:51881
MAHONEY, Lee R. Reaction of 2,4,6-tri-t-butylphenoxy radical with unhindered phenols, 21:15886
MAHONEY, M. J. Distances to pulsars, 23:1104
MAHONEY, M. W. Effects of helium on biaxial creep-rupture of stainless steel in sodium, 23:36153
  High heat flux heater development, 23:47668 (AI-AEC-12813)
  Thermal gradient effects on stress-rupture behavior of thin-walled tubing, 24:14690 (AI-AEC-12896)
MAHONY, T. D. Effect of bile and radiation on intestinal flora, 21:14772 (BNWL-280, pp 8-10)
  Effect of bile on the mucosa of the small intestine, 21:26555 (BNWL-SA-1143)
  Effect of bile on the mucosa of the small intestine, 22:49561
  Effect of ingested radioactive particles in the rat, 21:14711 (BNWL-280, pp 38-9)
  Interspecies comparison of gastrointestinal radiation effects, 24:34613 (BNWL-1050(Pt.1), pp 1.12-14)
  Intestinal radiation injury in miniature swine, 24:34612 (BNWL-1050(Pt.1), pp 1.9-11)
  Particle size and animal age as factors in evaluating hazards from ingested radionuclides, 21:28586 (BNWL-SA-1144)
  Particle size and animal age as factors in evaluating hazards from ingested radionuclides, 22:49331
  Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
  Tissue analysis for plutonium at autopsy, 23:24649
  Ultrastructural study of intestinal radiation damage, 21:14708 (BNWL-280, pp 10-11)
MAHOOTIAN, N. Spin-resonance properties of scheelites. I, 22:20052
MAHOUX, G. Current commutation relations and pionic reactions, 21:21207
  Dispersion relations, Froissart—Gribov transforms, and distributions, 25:53393
  Nonleptonic K decays, 22:17915
  Positivity properties of absorptive amplitudes below a physical elastic threshold, 24:24452
  Rigorous inequalities on $\pi\pi$ partial wave amplitudes, 24:30507 (CONF-690521-, pp 715-25)
  Rigorous inequalities on S and P waves for π—π scattering, 24:15559
MAHOUX, Gilbert Axiomatic proof of superconvergence relations, 22:39359 (CERN-68-7(Vol.1), pp 471-7)
  Axiomatic proof of superconvergence relations, 22:39497
  Extension of axiomatic analyticity properties for particles with spin, and proof of superconvergence relations, 23:3832
  Extension of axiomatic analyticity properties for particles of arbitrary spin, and superconvergent relations, 23:44726 (CEA-R-3827)
  Extention of axiomatic analyticity domains and proof of superconvergence relations, 24:8751
MAHRT, R. Cyclotron as an injector and as a postaccelerator for a tandem Van-de-Graaff, 25:17655
  Method for resonance-free, low-loss, beam extraction from cyclotrons, 23:30883
  Phase compression and phase dilatation in the isochronous cyclotron, 25:1692
  Series combination of tandem and cyclotron, 25:31139
MAHRT, Rudolf Extraction of high particle currents from cyclotrons, 23:27930
  Ionoptic influences of asymmetric magnetic fields on extraction from cyclotrons, 23:39882
MAHTABOALLY, S. Q. G. Three-body final state in the D(d,n)pd reaction, 24:52394
MAHUNKA, I. Alpha spectrum of products of reaction ^{175}Lu + ^{20}Ne $\rightarrow$ ^{195m}Tl, 24:38227
  Alpha spectrum of short-lived rare earth isotopes, 24:38221
  Investigation of the alpha spectrum of short-lived rare earth isotopes, 24:49851 (BNL-tr-356)
  New mercury isotopes, 22:5840
  Nuclear spectroscopy of some light Tl isotopes, 25:28339 (CERN-70-30(Vol.2), pp 1081-91)
MAHUNKA, M. Nuclear spectroscopy of some light Tl isotopes, 25:28339 (CERN-70-30(Vol.2), pp 1081-91)
MAHUT, Pene Process of separation of uranium and thorium starting from a solution containing these two elements, 22:10353
MAHUT, R. Corrosion tests on various materials in seawater up to 150°C, 25:10360 (ORNL-tr-2412)
  Process of separation of uranium and thorium starting from a solution containing these two elements, 21:12516
MAHUT, Rene Process of separation of uranium and thorium starting from a solution containing those two elements, 22:14579
MAHUTTE, C. K. Self-field limiting of Josephson tunnel current, 23:27524
MAHY, John F. Jr. International safeguards and domestic safeguards under the President's offer, 25:48793 (CONF-710617-28)
  Substitution concept in international safeguards, 23:43499 (CONF-680506-, pp 63-72)
MAHY, Marianne Effect of epinephrine on ^{45}Ca uptake by Langerhans, 24:31830
MAI, Karl Eugen Dose distribution with a wedge filter in ^{137}Cs teletherapy, 24:32006
MAI, Trinh Thi Hoang Aluminum oxide films and alpha stopping power, 25:2887
MAI, V. Q. Study of certain peculiarities of operation of gas detectors operating in an electronic system, 21:4415
MAI, Vuong Quan Gas detectors for thermal neutron at high counting rates, 21:14427 (CEA-R-2962)
MAI, W. Boundary conditions along the line of intersection of two statically loaded shells, 23:38215
  Boundary conditions in the transition region between circular pipes cutting perpendicularly one another for calculating stress, 23:17285
  Neutron transport in a slab with linearly anisotropic scattering, 24:38071
  Thermal utilization factor of a slab lattice having linearly anisotropic scattering, 24:40157
  Time-dependent rotation-symmetric thermal stresses in annular vessels composed of two different layers, 23:33306
MAIA, J. C. Uptake of labeled amino acids by skin of children, 23:50706
MAIANA, L. Nonexistence of ambiguities in SU(3) x SU(3) breaking, 25:9831
  Weak interaction and the breaking of hadron symmetries, 24:52160 (AD-705552)
MAIANI, L. Algebra of currents, 24:20120
  Algebra of currents. I, 23:18866 (ISS-68/32)
  Algebra of currents. II, 23:18839 (ISS-68/33)
  Chiral algebra conditions on πN amplitudes, 21:25290 (ISS-67/6)
  Chiral-algebra conditions on πN amplitudes, 21:29537
  CP-violating weak currents, 22:22424
  CP-violating weak currents, 22:29733 (ISS-68/3)
  CP-violation in weak interactions, 24:8692
  Dynamical interrelation of weak, electromagnetic, and strong interactions and the value of theta, 23:5552
  Dynamical interrelation of weak, electromagnetic, and strong interactions and the value of theta, 23:18867 (ISS-68/35)
  Electric dipole operators in the configuration mixing scheme, 21:9820
  Factorization and degeneracy of the hadron spectrum in the Veneziano model, 23:46711
  Factorization and degeneracy of the hadron spectrum in Veneziano model, 23:49128 (ISS-69/25)

Finiteness of radiative corrections to $\pi\beta$-decay, 21:35288 (NP-16868)
Finiteness of radiative corrections to $\pi\beta$-decay, 21:37772
Introduction to group theory and to unitary symmetry models, 21:17143
J/sup P/ = 1⁺ octodecimet of meson resonances, 22:7542 (ISS-67/36)
J/sup P/ = 1⁺ octodecimet of meson resonances, 22:13827
Mixing effects in baryon spectroscopy, 21:29535
Non existence of ambiguities in SU(3) x SU(3) breaking, 25:25474 (ISS-70/25)
Origin of the weak interaction angle, 23:25578 (CERN-69-7, pp 485-94)
Origin of weak interaction angle. II, 23:42630 (ISS-69/18)
Origin of weak-interaction angle. II, 24:26413
Pole model for eta $\to$ 3π decays, 21:21159
Radiative corrections to leptonic decays and composite models for strong interactions, 21:37775 (ISS-67/13)
Radiative corrections to leptonic decays and composite models for strong interactions, 21:37780
Radiative corrections to leptonic decays and composite models for strong interactions, 21:40197 (NP-16941)
Radiative corrections to vector β-decays, 22:7476 (ISS-67/29)
Radiative corrections to vector β-decays, 22:32088
Regge model for production of axial vector mesons in pion—nucleon collisions, 23:5623
Saturation of current algebra equations with higher baryonic resonances, 21:19046
Soft photon emission approach to $\pi^0 \to \gamma\,\gamma$ and eta $\to \gamma\,\gamma\,\pi^0$ decays, 21:17072 (ISS-66/49)
Soft-photon emission approach to $\pi^0 \to \gamma\gamma$ and eta $\to \gamma\gamma\pi^0$ decays, 21:21158
SU(4). Is it a plausible symmetry for hadrons, 25:25472 (ISS-70/16)
Weak interactions and the breaking of hadron symmetries, 25:38762
Weak interactions with lepton—hadron symmetry, 24:49410
MAIANI, Luciano CP-violating weak currents, 23:1669
Kinetic supermultiplets model, 21:35333
MAIBACH, Howard I. Delayed hypersensitivity in markedly panleukopenic guinea pigs, 21:16465
Screening for drug toxicity by wave lengths greater than 3100 A, 21:22669
MAIBUROV, V. B. Developing high-frequency fields in plasma installations, 23:32486 (NP-17893)
Forming high-frequency fields in plasma devices, 24:8485 (AEC-tr-7118)
MAIDANIK, V. N. Heat transfer in pipes at high temperature, 21:43149
MAIDANYUK, V. D. Distribution of U in rocks of the Ukrainian crystalline shield, 21:195
MAIDANYUK, V. K. Spectrum of ^{186}Re conversion electrons at energies exceeding 750 keV, 21:33972
MAIDMENT, J. R. M. Superconducting synchrotron design, 25:33899 (RPP/N-23)
MAIDMENT, Leslie Nuclear reactor fuel pin, 22:39946
Nuclear reactor transducer, 22:20876
Shaft seals, 21:21691
Transducers, 22:42563
MAIELLA, G. Crossing-symmetric expansion of $\pi\pi$ scattering amplitude, 25:12197
General analysis of dynamical symmetries of N-dimensional harmonic oscillator, 22:9629
Higher order terms in V—A theory of the weak interactions and leptonic scattering processes at high energies, 25:50111 (ORO-3992-51)
Two variable crossing symmetric expansion of the $\pi\pi$ scattering amplitude and low-energy parameter sum rules, 25:56484 (ORO-3992-10)
MAIENSCHEIN, F. C. Absolute spectrum of photons emitted in coincidence with thermal-neutron fission of ^{235}U, 24:28779 (ORNL-4457)
Gamma rays from bombardment of ^{7}Li, Be, ^{11}B, C, O, Mg, Al, Co, Fe, and Bi by 16- to 160-MeV protons and 59-MeV alpha particles, 22:5763 (ORNL-4183)
Gamma rays from bombardment of light and intermediate weight nuclei by 16- to 160-MeV protons and 59-MeV alpha particles, 22:32494
Methods of fast-neutron spectroscopy for reactor shielding, 21:32363 (ANS-SD-2, Paper 1)
Prompt gamma rays from thermal fission of ^{235}U, 24:33162
Prompt gamma rays from thermal neutron fission of ^{235}U, 24:52570
Proposal to acquire a data-handling system for Oak Ridge electron linear accelerator, 21:11873 (ORNL-TM-1746)
Shielding for advanced reactors in US, 25:46252
Spectrum of photons emitted in coincidence with fission of ^{235}U by thermal neutrons, 25:36743
Spectrum of prompt gamma rays from thermal fission of ^{235}U, 23:37232
MAIER, A. F. Large high pressure apparatus for chemistry, petrochemistry, and nuclear technology, 21:41074
MAIER, Alfred Ionizing irradiation on development of the muscle spindle, 24:25566
MAIER, B. Energies and intensities of γ rays from thermal neutron capture by Sr, 22:32546
MAIER, B. P. Measurement of neutron capture radiation, in particular in-pile components, 22:12132
Pair and anti-Compton spectrometer, 23:47795
Radiative capture of thermal neutrons by ^{48}Ti, 22:9826
MAIER, B. P. K. Automation of the curved crystal spectrometer at Risoe, 24:46501
Automatized curved crystal spectrometer for (n,γ) measurements at Risoe, 24:41688
Energy levels of ^{56}Mn, 24:43264
High-resolution (n,γ) studies, 24:47578
Nuclear levels in ^{142}Pr, 22:50612
Nuclear levels of ^{163}Dy, 21:38302 (TID-23909)
MAIER, Bernd Tissue equivalence of phantom materials for orthovolt x-ray therapy, 22:25848
MAIER, Berndt Intensities and energies of γ rays in reaction ^{89}Y(n,γ)^{90}Y, 22:9910
MAIER, E. Testing and routine use of glass dosimeters, 24:27427 (CONF-690540-, pp 501-4)
MAIER, E. J. Observations of the suprathermal electron flux and the electron temperature at high latitudes, 25:7289
Subauroral red arc and the associated ionospheric phenomena, 25:30350 (N-70-36812)
Subauroral red arcs and associated ionospheric phenomena, 25:16944
MAIER, E. J. R. Discrepancies in the observed plasma-trough density, 24:51504 (N-70-27302)
Explorer XXXI total current monitor experiments, 23:44304
Ion composition and charged particle temperatures in topside ionosphere, 23:12683
Observations from Ogo 5 of the thermal ion density and temperature within the magnetosphere, 25:7233
Photoelectron flux and protonospheric heating during the conjugate point sunrise, 24:17764
Sounding rocket measurements of ion composition and charged particle temperatures in the topside ionosphere, 23:16712 (N-68-33229)
Suprathermal electrons in the polar ionosphere, 23:25232
Suprathermal electrons in the polar ionosphere, 23:27451 (N-69-18106)
Thermal ion density and temperature within magnetosphere, 24:51499 (N-70-24251)
Thermal plasma measurements within the magnetosphere, 21:24975 (N-67-11369)
MAIER, G. Calculation of simple differential neutron scattering cross sections for H_2O by general frequency spectrum and comparison with measured values, 24:22057 (JUL-587-FN)
Design studies for the experimental equipment at a very high flux reactor, 21:44518 (CONF-660925, pp 701-30)
Kocinskis spin from critical magnetic scattering by Ni, 21:31687
Optimization of small-angle scattering experiments with slit geometry, 23:3262 (ORNL-tr-1983)
Preparation and properties of Si(Li) detectors, 21:45335 (BMwF-FBK-67-72)
Small-angle critical scattering of neutrons by nickel, 24:51818
MAIER, H. J. Excited states of ^{23}Na, 21:44608 (ZFK-122, pp 312-13)
Gamma-ray angular correlations and lifetime measurements for some excited states of ^{21}Ne, 24:13334
Low-lying ^{23}Na states, 24:38198
Plastic scintillators in nuclear measuring techniques, 24:9662
States 1.528- and 0.891-MeV of ^{22}Na, 22:18179
States 2.791- and 2.87-MeV in ^{21}Ne, 21:13846
MAIER, I. Malignant degeneration of irradiated juvenile laryngeal papillomas, 24:23274
Structure and stabilities of free radicals formed in γ-irradiated glycine, 25:18478
MAIER, John G. Concepts in the treatment of Wilms' tumor, 24:27652
Interstitial radiation in the management of malignant disease of the facial structures, 23:35819
Radiation myelitis of the dorsolumbar spinal cord, 23:45752
Treatment of testicular germ cell malignancies, 25:16274
MAIER, K. Use of atomic energy in East Germany, 24:43634
MAIER, K. H. High-spin isomer in ^{211}At, 25:43912
Level schemes of ^{26}Si, ^{30}S, ^{34}Ar, and ^{42}Ti studies with (^{3}He,n) reaction, 22:20515
Light output of NE 213 scintillators for protons, 22:16888
Reaction ^{54}Fe(d,n)^{55}Co and level scheme of ^{55}Co, 25:5675
Singlet deuteron emission in (^{3}He,d) reaction described by distorted-wave Born approximation, 24:38083
MAIER, K.-H. Reactions (d,n) on even Ar isotopes, 24:52502
Target ground state correlations in the (d,n) reactions on even argon isotopes, 24:22108
MAIER, M. g-factor of the 305-keV state of ^{48}V, 21:12005
MAIER, M. R. Constant fraction trigger, 25:2458
Moessbauer spectrometer for the measurement of small isomer shifts, 23:11823
MAIER, Mary Louise Investigation of a U^{+5} system: $(C_5H_6N)_2UOCl_5$, 25:54541
MAIER, R. Experiments on Cu- and Al-stabilized Nb—Ti superconductors, 23:6955
MAIER, R. G. Flux jump behavior of sintered Nb_3Sn cylinders, 25:1111
MAIER, R. J. Radiation induced surface recombination in oxide passivated transistors, 22:12736
MAIER, Richard G. Anodic oxidation of Nb—Sn alloys, 22:28823
MAIER, Richard Georg New type of superconducting Nb_3Sn-tape, 21:14807
MAIER, Ulrike Biological radiation protection. LXXXVIII, 23:20355
MAIER-BOETZEL, H. Spinor field ground state and global excitations, 24:47502
MAIER-BORST, W. Angiocardiography with a scintillation camera, 25:11121
Animal experiments on the suitability of ^{68}Ga compounds for diagnosis in nuclear medicine, 25:11169
Bone scintigraphy with ^{18}F and /sup 87m/Sr, 23:48134
Clinical results with ^{18}F, 25:24244
Comparative investigations with the Anger scintillation camera and the digital autofluoroscope, 23:33458
Experimental bone scintigraphy in animals, 25:11216
Fluorine-18 complexes for bone scintigraphy, 23:50248
Functional studies with short-lived reactor isotopes, 25:10943
Investigations of distribution of radioisotopes, 25:6724
Operating experience and results obtained with TRIGA research reactor, 25:60173
Placentography with short-lived radionuclides. I, 23:38690
Placentography with short-lived radionuclides. II, 23:38691
Sequential scintigraphy in renal transplantation, 23:48125
MAIER-HUESER, H. Radioisotopic methods for the determination of steroid hormones, 24:38743
MAIER II, W. B. Production of N_2^+ in collisions between N^+ and N_2, 25:14030
MAIER II, William B. Atom transfer in endothermic ion—molecule reactions, 21:37135
Collisions between low-energy N^+ and N_2, 25:58735
Emission from long-lived states in ion beams. New band systems of NO+, 25:22369
Is N_3 produced in reactions between N_2^+ and N_2, 21:37123
Production of light by collisions of 2.5- to 490-eV He^+ with N_2, 25:52665
Reactions between H^+ and D_2, 25:22370
Reactions between N_2^+ and N_2^*, 25:58751
Reactions of He^+ with N_2 and O_2 in upper atmosphere, 22:29365
Transformations from barycentric to laboratory coordinates for two- and three-body scattering events, 23:30322 (LA-3972)
MAIER-KOMOR, P. Deformation in ruthenium nuclei, 24:43386
Simple technique of producing thin carbon films, 25:58346 (CONF-711002-, pp 144-6)
MAIER-LEIBNITZ, H. German—French High-Flux Reactor Institute Project in Grenoble, 21:5739
Neutron conducting tubes, 24:47552
Production and use of thermal reactor neutron beams, 21:17278
Some proposals for the application of compound monochromator crystals for neutron diffraction and scattering measurements, 22:39562
MAIGROT, J. C. Influence of pharmacological drugs on irradiated mouse's resistance against asphyxia, 23:16348
Synergetic effects of some substances with a radioprotective activity, 22:17032
MAIHARA, Toshinori Spectral distribution of infrared objects and related stars, 24:51295
MAIKOV, E. V. Approximation method for the calculation of magnetic lens systems for particle focusing, 21:23380
MAIKOV, V. N. Instrument for recording neutral particles on the basis of the decay of γ quanta, 23:11864
Magnetic, charged-particle spectrometer, 23:11832
Photoproduction of eta mesons on carbon nuclei, 23:32605
System of coincidence Cherenkov spectrometers with data analysis in the M-20 computer analysis, 21:16166
Water-soluble epoxy adhesive compound for scintillation counters, 21:1602
MAIKUROV, V. B. Experimental installation R-Ohm for studying high-frequency field-interaction with plasma, 25:30508 (NP-18801)
MAILEN, J. C. Chemistry and thermodynamics of distribution of lanthanide and actinide elements between molten LiF—BeF_2 and liquid bismuth solutions, 25:39592
Continuous-gas-phase volatility process, 21:3167
Distribution of transuranium elements between molten Li chloride and Li—Bi solutions. Evidence for Cf(II), 25:34705
Equilibrium distribution of actinide and lanthanide elements between molten fluoride salts and liquid bismuth solutions, 24:36362
Estimate of the solubility of protactinium in liquid bismuth, 24:5712
Fluorination of falling droplets of molten fluoride salt as a means of recovering uranium and plutonium, 23:2378 (ORNL-4224)
Hot-cell studies of fluidized-bed fluoride volatility process for recovering U and Pu from spent UO_2 fuels, 23:21779 (ORNL-TM-2170)
Perfluoroalkanes in ionizing radiation, 22:18836
Reductive-extraction process for MSBR fuels, 23:35270
MAILER, David Wilson Pressure containing vessels, 22:20967
MAILFERT, A. Behavior of Type-II superconductors in time-dependent magnetic fields, 25:19598
Calculation of losses in type-II superconducting wire in alternating current and magnetic field, 21:41990
Homopolar machine with superconducting inductor, 23:6958
Induction penetration, electric field, and losses type II superconductors, 24:45208
Limited flux jumps in dirty Type-II superconductors, 25:38308
Optical observation of losses in a superconductor immersed in liquid helium, 22:29414
Optical observation of losses of a superconductor immersed in liquid helium, 23:32268 (ORNL-tr-1979)
Penetration of induction, electrical field, and losses in impure Type-II superconductors having a surface current, 25:30414 (ORNL-tr-2475)
Penetration of magnetic induction, electric field, and losses in impure superconductors, 25:36019 (CONF-700341-8)
Rotating electrical machines using superconductors, 25:19635
MAILFERT, M. A. Losses in Nb—25 percent Zr operating in normal and superconducting states, 21:13491
MAILFERT, R. Low temperature structural transformation in V_3Si and Nb_3Sn, 23:12330 (NYO-3789-6)
Low-temperature structural transformation in Nb_3Sn, 21:18556
Order of low-temperature structural transformation in V_3Si and Nb_3Sn, 23:25253
MAILHIOT, Robert E. Uranium carbide—plutonium phosphide as a reactor fuel, 22:11037

MAILLARD, A. Influence of neutron irradiation on the mechanical characteristics of refractory oxides, 22:28962
MAILLARD, J. Protection against homologous disease by immunologic facilitation, 22:47474
MAILLARD, J. P. ^{6}Li(α,2α) reaction as a test of the existence of α particles in ^{6}Li, 25:43803
  T = $^{3}/_{2}$ states in (p,t) and (p,^{3}He) reactions on ^{35}Cl and ^{37}Cl, 25:17753
MAILLARD, J.-P. Study of the mechanism of the (α,2α) reaction on ^{6}Li, 24:45752
MAILLARD, M. Measurements of temperature and wind in upper atmosphere in polar regions, 25:24960
MAILLARD, P. Improvement of devices for detection of leaks using helium as a tracer, 24:50493 (CEA-CONF-1506)
  Quantitative estimation by emission spectrography of trace elements contained in purified carbons, 23:49718
MAILLARD, R. Acceleration of heavy ions in variable frequency cyclotron at Saclay through use of trochoidal injector, 23:34677 (CEA-CONF-1260)
  Ionization of polarized deuterons in a cyclotron by an intense arc source, 23:15301 (CEA-CONF-1227)
  Source of high-intensity multicharged ions, 24:45696
  Use of a cyclotron with external sources, 24:45692
MAILLE, C. Protection of personnel during the application of radioisotope method, 22:45579
  Use of radioactive tracers for measuring the density of the emulsion (water—steam) flowing in the water-wall tubes of industrial boilers, 22:14725
MAILLE, G. Accurate excitation energies of ^{11}B and ^{11}C, 24:49714
MAILLE, H. D. Effects of whole- or partial-body 1000 kVp x-irradiation on bone marrow of dog. II, 23:31946
  Effects of whole- or partial-body 1000 kVp x-irradiation on bone marrow of dog. I, 23:31947
MAILLE, M. Operational behavior of structural components of EL4 primary circuit, 24:28867
MAILLET, E. Cell structure for heat exchanger, 22:227
  Fuel element for nuclear reactor, 22:14217
  Integrated gas turbine plants using CO_2-cooled reactors, 23:4292 (TRG-Report-1734)
  Integrated gas turbine plants using CO_2 cooled reactors, 23:28541
  Process and system of energy production, 22:27419 (NP-tr-1655)
  Simple, compact, nuclear gas turbine for integration in the reactor vessel, 25:20774
  Use of carbon dioxide turbines for advanced reactors, 23:17239 (ORNL-tr-3013)
  Work done in France on high-temperature reactors, 25:54037 (A/CONF.49/P-585)
MAILLET, Ennemond Direct CO_2 gas cycle for A.G.R. type reactors, 22:39737 (CEA-N-831)
  Fuel element assembly for a nuclear reactor, 21:10229
  Method of and apparatus for the production of power, 25:28747
  Operating a nuclear power plant, 25:15383
  Power production process and system, 21:21727
  Problems and options concerning helium turbines, 23:15670 (ORNL-tr-3011)
  Tubular element with fins, 21:19512
MAILLET, Ennenond Nuclear fuel elements, 22:3952
MAILLET, J. P. Elastic π^-—^{12}C scattering around the 3—3 resonance, 25:25458
MAILLET, P. Radioinduced double cancer, 24:12315
MAILLIE, H. D. Importance of beagle size on response to whole body x-irradiation, 21:16475
  Intramedullary dose measurements in the beagle following whole-body 1000-kVp x irradiation, 22:38280
  Iron-59 uptake in bones of rats exposed to x irradiation, 25:35211
  Measuring average neutron energies and dose rates around 20-MeV Van de Graaf accelerator with multi-sphere detector by Block—Shon technique, 22:47384 (UR-49-894)
  Relationship between effective-energy and RAD/R conversion factors in heterogeneous photon-energy fields, 22:30873
  Thermoluminescent microdosimetry system for the measurement of photon quality, 22:25678
MAILLIE, H. David Evaluation of rem responding neutron detector, 22:19101 (UR-49-903)
  Whole- and partial-body dosimetry of rat exposed to 250 kVp x-irradiation, 22:28476
MAILLIET, Anne-Marie Oriented attack of crystals of silver bromide exposed to an electron beam, 21:8332
MAILLOT, Jean-Paul Multiple counter tube for a nuclear radiation meter, 25:37610
  Nuclear probe using a single cable, 25:8493
MAILLOT, Patrice Development of a clean shock tube for making spectroscopic measurements on a plasma, 25:9510
  Intensities of spectral lines and background continuum of Ar plasma produced in a shock tube, 25:9423
MAILLOUX, Lionel U. Measurements of effective renal blood flow, 24:14388
MAILYAN, E. S. Changes of the respiratory center in rabbits with acute radiation sickness, complicated by blood loss, 22:33911
  Electrocardiogram (ECG) of animals suffering from acute radiation sickness, 21:39505
MAIMAN, T. H. Biological effects of high peak power radiation, 21:18148
MAIMONI, A. Corrosion of graphite by N, 21:32017 (UCID-4135)
MAIN, G. Experimental kinetic studies on depleted-uranium sphere, 21:38186
  Measured sodium-void coefficient and fission ratios in a large zoned fast reactor, 21:7923
MAIN, G. C. COBRA-IIA: a program for thermal-hydraulic analysis in very large bundles of fuel pins, 24:46413 (BNWL-1422)
MAIN, G. W. Measured physics parameters in a zoned fast U carbide core, assembly 4Z, 21:25711 (ANL-7281)
  Physics parameters of large dilute uranium carbide cores, 21:35676 (ANL-7320, pp 231-6)
  Reactor physics parameters of zoned cores, 21:35684 (ANL-7320, pp 403-20)
MAIN, I. G. Angular correlation measurements in ^{44}Ti, 23:34752
  Angular correlation studies in ^{34}S, 25:20348
  Broad range magnetic pair spectrometer for gamma rays of energy 5 to 50 MeV, 21:10633
  Excited states of ^{44}Ca, 25:5626
  Excited states of ^{52}Cr, 23:3993
  Isospin structure of an E2 transition matrix element in ^{27}Al and ^{27}Si, 25:46010
  Metastable state at 1.64 MeV in ^{40}K, 22:27043
  Negative helium ions for tandem accelerators, 24:3811
  Proton capture by ^{23}Na yielding γ-rays from giant resonance of ^{24}Mg, 21:38271
  Rotational structure in ^{29}Si, 25:12449
  Search for the formation of H_2^- ions from 40-keV H_2^+ ions in H, 22:43930
  Spin assignments and decay modes of low-lying states in ^{42}Sc, 23:13249
  Spin-1 states in ^{44}Ti, 23:1844
MAIN, R. Inexpensive method of cooling an rf cavity, 23:28026
MAIN, R. M. Omnitron: a medium-energy synchrotron for the acceleration of light and heavy ions, 22:1535 (UCRL-17869)
  Partial energy beams from an ion linac, 21:13767 (UCRL-17162)
  Small ^{3}He cyclotron, 21:27474 (UCRL-17274)
MAIN, R. P. Shock tube studies on two-phase systems, 23:48613
MAIN, Raymond K. DNA synthesis in mixed cultures of dog leukocytes, 21:34566
MAIN, Robert Status and outlook for arc-discharge sources, 25:28124 (WASH-1159, pp 1-10)
MAIN, Robert M. High gradient magnetic drift tube quadrupoles, 23:19031 (BNL-50120(Pt.1), pp 52-9)
  High-gradient drift-tube quadrupole magnets, 21:9874 (UCRL-17156)
  Method and apparatus for accelerating ions of any mass, 21:27498
  Modification of Berkeley Hilac, 25:14853 (UCRL-19919)
  Proposed modifications of the Berkeley HILAC, 23:28126
  Review of linear accelerators for heavy ions, 25:50571
MAINE, H. L. 1969 status report on Omega west reactor, with revised safety analysis, 23:40393 (LA-4192)
MAINFRAY, G. Multiphoton ionization and dissociation of H molecule at 1.06 μ, 25:45307
  Physics of beams of synthetic plasmas, 21:13600 (AGARD-CP-8(Vol.1), pp 215-78)
MAINGUET, P. In vitro autoradiographic studies of cell proliferation in the gastrointestinal tract of man, 22:51453
MAINHARDT, R. Elementary reactor experimentation, 22:30341
MAINKA, Alfred Reactors, 23:49560
MAINKA, E. Determination of traces of fluoride, chloride, and B in Pu-containing oxide fuels, 25:37268 (KFK-1360)
  Emission spectroscopic determination of traces in nuclear fuel materials, 25:10432 (KFK-1261)
  Trace determination in nuclear fuels by emission spectroscopy, 25:44315 (EURFNR-852)
MAINKAR, V. Analysis of 17 898 tau$^+$ decays at rest, 24:32960
  Violation of the $\Delta I = {}^{1}/_{2}$ rule in $K^+ \to 3\pi$ decay, 23:49037
MAINKAR, Vasant V. 14307 tau plus decays analyzed, 25:5263
MAINLAND, G. B. Dirac representation of the relativistic symmetries, 25:14752
  Meson and baryon semileptonic decays, 24:45484
MAINMAN, Barbara L. ^{60}Co γ-radiolysis of aqueous papain solutions: repair and protection by cysteine, 25:44772
MAINO, F. Isolation of americium and curium from irradiated ^{241}Am targets, 23:31400 (EUR-4232)
  Processing of irradiated ^{241}Am targets by ion exchange and extraction, 24:33757 (EUR-4409)
MAINOLDI, F. Use of lysozyme in leukopenia due to ionizing radiations, 22:21548
MAINS, Gilbert J. Quenching of mercury ($^{3}P_1$) resonance radiation by aromatic molecules, 24:20773
  Radiation chemistry of tetramethylsilane. II. Liquid phase, 24:46277
  Radiation chemistry of tetramethylsilane. I. Vapor phase, 24:46276
MAINSTER, M. A. Spectral dependence of retinal damage produced by intense light sources, 24:42009
MAINSTONE,,J. S. Plasma resonances of the magnetosphere, 21:43903
MAINX, F. Crossing-over in Megaselia scalaris, 22:2495
MAINZ, M. A. Radiochemical determination of radium-B/C in rain water, 24:16452
MAIOROV, A. N. Determination of the optimum monitored area in radiography of manufactured goods, 23:6273
  Gamma defectoscope Beton for radiographic studies of building constructions, 21:41222
  Isotopic radiography with radiation background conditions, 25:34823
  Universal hose gamma defectoscope with remote control transporter, 22:19177
MAIOROV, L. V. Anisotropy of a neutron spectrum in water near an absorber, 22:29876
  Application of the albedo method to the design and calculation of bundles of rods, 25:54262 (IAE-1981)
  Attenuation of the density of neutrons from a pulsed source, 21:46645 (BNL-tr-154)
  Comparative effectiveness of various criteria in Monte-Carlo method, 24:8546 (IAE-1791)
  Neutron spectra in a two-zone graphite—water system, 22:29877
  Neutron thermalization in a graphite—water system at large temperature gradients, 22:22828 (AERE-Trans-1085)
  Penetration of neutral atoms into a cylindrical plasma pinch, 25:7389
  Solving neutron thermalization theory problems, 22:29859
  Theory of decreasing pulsed neutron density in finite moderating volumes, 22:29882
MAIOROVA, E. P. Isotopic exchange of certain lanthanides in systems which contain ethylenediaminetetraacetic and diethylenetriaminepentaacetic acids, 23:40673
  Solvation of UO_2Cl_2 by TBP, 25:37390
MAIOROVA, N. A. Appliance for measuring intracerebral (CSF) pressure and calculated subarachnoid administration of radio-active isotopes, 23:45584
MAIOROVA, N. F. Comparative physiological investigations of functional state of heart sympathetic innervation by irradiation, 21:4850
  Investigation of the bioelectric activity in the mesenteric nerves of the cat in the case of whole-body and local x-irradiation, 24:11948
  Study of efferent impulsation in postganglionic fibers after the action of ionizing radiation, 22:45390
MAIR, W. G. P. Radiation effects on human central nervous system, 23:38831
MAIR, W. N. Cheap sensitive leak-detector, 23:50209 (RAE-TR-68099)
  Helium mass-spectrometer leak detection, 21:30742 (RAE-TR-66158)
MAIR, William Histology of radiolesion in human brain, 22:12934
MAIRANOVSKII, V. G. Ergosterol irradiation products, 24:26970
MAIRE, J. Boron carbide agglomerate, 25:8919
  Change of pyrocarbon into graphite, 23:12392 (CEA-CONF-1044)
  Preparation and properties of a pyrocarbon compressed at high temperature, 22:26075
MAIRE, J. C. Radioactive enriching by zone melting, 25:32061
MAIRE, M. Displacement of radioactive pebbles on the Bruche. I, 25:39391 (ORNL-tr-2498)
MAIRE, Philippe Evolution of structure of graphite, determined by microscopic examination after thermal oxidation, 22:41134
  Morphological development of corrosion patterns on natural, purified graphite oxidized at 620 deg C by dry or humid air, 21:4986
MAIRHOFER, J. Groundwater flow and direction measurement by means of radioisotopes in a single well, 21:36135
  Single-well pulse technique, 22:19068
MAIRLE, G. 1p—Proton hole states, 24:43155
  Elastic scattering of 52 MeV deuterons, 22:26971
  Elastic scattering of 52-MeV deuterons, 21:4346
  Further indications for t-dependence of angular distributions, 25:28174
  Inelastic scattering of 52-MeV deuterons, 22:44645
  Levels of ^{39}Cl studied by ^{40}Ar(d,^{3}He)^{39}Cl reaction at 52 MeV, 23:28278
  Nuclear reactions by deuterons at 52 Mev, 21:1107
  Proton pick-up from ^{19}F, ^{20}Ne, and ^{22}Ne, 25:12385
  Proton pick-up from 1p and 2s—1d shells of ^{27}Al, 23:15417
  Proton pick-up from 2s—1d and 1p shells of ^{32}S, 24:3892
  Proton pick-up from magnesium isotopes: $^{24\ 25\ 26}$Mg(d,tau)$^{23\ 24\ 25}$Na, 25:25694
  Proton separation energies derived from (d,^{3}He) reaction on f-p shell nuclei at 52 MeV, 23:44880
  Shell effects in potential radii deduced from (d,^{3}He) angular distributions, 23:37356
  Shell structure studies in the Ti region with 52-MeV deuterons, 21:31747
  Shell structure studies with 52-MeV deuterons, 22:27008
  Single nucleon pick-up from ^{12}C and ^{14}N with 52 MeV deuterons, 22:7651
MAIRO, F. Delayed osteoradionecrosis of mandible 17 years after irradiation, 23:29877
MAISEL, L. High temperature diffusion coatings for refractory alloys, 22:41002
MAISENHAELDER, F. Pressure dependence of the anode drop voltage in high pressure arcs, 21:26304
  Spoke phenomenon in MPD operation, 23:20909
MAISEY, Albert John Grabs for use in nuclear reactors, 22:42568
MAISHEV, Yu. P. Current measurements for contactless determination of the intensity of charged particle beams, 23:10899
MAISIN, H. Combined effects of cytotoxin and x rays on bone marrow, 21:10769
  Effects of combination of cytotoxic drugs and x rays on rat bone marrow, 22:45624
  Effects of cytotoxins and x rays on bone marrow of rats, 24:34710
  Radiolesions of testicle in rat, 21:34778
MAISIN, J. Gastrointestinal tract, 25:29632
  Lecture of M. Z. M. Bacq, entitled: "Chemical protection against ionizing radiations in mammals", 21:22626
  Lymphatic system and thymus, 25:29635
  Lymphoid tumors and radiation, 25:29696
  Radiobiology at C.E.N. in Mol, 22:51631
  Radioprotection and restoration in yeast cells, 21:20441
MAISIN, J. H. Serum changes accompanying responsiveness and resistance to cancer, 23:804
MAISIN, J. R. Catabolism of serum albumin in irradiated mice, 25:52003
  Combination of radioprotective agents and 5-hydroxytryptamine, 24:32043
  Disorientation response of chicks which survived 2-β-aminoethylisothiouronium-Br-HBr (AET) administration during early embryogenesis, 25:4601

- DNA alterations in radiosensitive irradiated mouse organism. IV, 23:47969
- Effect of a mixture of radioprotectors on the temporary sterile period induced in male mice by exposure to x radiation, 25:46886
- Effect of irradiation and or 2-β-aminoethylisothiourea on appearance of giant nuclei in crypts of small intestine of mouse, 21:45731
- Effects of a combination of radioprotective substances on migration of crypt cells along the villi of the mouse duodenum, 22:19357
- Gastrointestinal tract, 25:29632
- In vivo fat absorption by the small intestine of x-irradiated mice, 22:49546
- Influence of a mixture of chemical protectors on lymphopoietic and hematopoietic system of mice irradiated with a dose of 2000 R of x-rays, 22:33923
- Influence of a mixture of chemical radioprotectors on the cellular renewal in the duodenum of mice, 21:22517
- Influence of a mixture of radioprotectors on mucosa of small intestine of mice irradiated with 2000 R of x-rays, 22:31236
- Influence of mixture of radioprotectors on cell renewal in x-irradiated mice, 22:21557
- Influence of radioprotectors on regeneration of the mucosa, 24:12107
- Influence of radioprotectors on the incidence of radiation-induced cancers, 24:34387
- Lymphatic system and thymus, 25:29635
- Lymphoid tumors and radiation, 25:29696
- Metabolism and toxicity of plutonium, 23:9849
- Protective effects, toxicity, and mechanisms of action of radioprotective substance, 23:6494
- Pulmonary alveolar surfactant in normal and irradiated mice, 24:21080
- Radiation injuries, diagnosis, and treatment, 24:27623
- Radioactive pollution of the air and pulmonary contamination, 24:50864 (LF-tr-43)
- Radioinduced cataracts in rats, 21:14752
- Radioprotectants and radiotherapy of cancers, 22:25878
- Radioprotectives and the gastrointestinal syndrome, 23:20299
- Reduction in radiation lethality by mixtures of chemical protectors, 21:20273
- Reduction of long term radiation lethality by mixtures of chemical protectors, 23:48086
- Reduction of short- and long-term radiation effects by mixtures of chemical protectors, 25:4582
- Ultrastructural modification after radioprotectors, 21:20250
- Ultrastructure of the lung of mice exposed to a supra-lethal dose of ionizing radiation on the thorax, 25:8778
- MAISIN, Jean Rene Effect of a mixture of chemical protectors against x-irradiation induced testis injury, 24:32039
  - Effect of age and AET on life span of rats, 23:29587
- MAISKII, I. N. Effects of space flight on lysogenic bacteria, 21:18022
  - Experimental-genetic investigation on lysogenic bacteria during flight of ISZ Kosmos-110, 22:28721
- MAISON, D. Field theoretic functional calculus for the anharmonic oscillator. I, 21:19062
  - Properties of conserved local currents and symmetry transformations, 25:12264
- MAISON, H. Dieter Symmetry transformations from local currents, 24:1643
- MAISON, J. M. Giant resonance by photon scattering in medium spherical nuclei, 25:12463
- MAISON, J.-M. Study of the giant resonance of light and heavy nuclei by scattering of bremsstrahlung, 21:17305
- MAISON, Jean-Marie First T = 2 state of ^{32}S, 25:20316
- MAISONNIER, Ch. Experiments with imploding plasma liners, 23:32379
  - Rapid transfer of magnetic energy by discharging foils, 23:1363 (RT/FI-(66)5)
  - Rapid transfer of magnetic energy by means of exploding foils, 23:42346 (EUR-3050)
  - Structure of the dense plasma focus. II, 25:38495 (CONF-710607-37)
  - Structure of the dense plasma focus. I, 25:38494 (CONF-710607-36)
  - Theory of inertial confinement of dense plasmas, 22:1142 (LA-3770, Paper H4)
- MAISSIN, Jacques Effect of neutron irradiation on high temperature mechanical properties of age-hardened 80-20 Ni—Cr alloy, 25:58295 (FRNC-TH-64)
- MAISTERRENA, Jorge Diagnosis of splenic infarction by scintillation scanning with ^{203}Hg-bromomercurihydroxypropane (^{203}Hg-BMHP), 24:44559
  - Radioisotopic evaluation of salivary gland dysfunction in Sjoegren's syndrome, 25:42566
- MAISTERRENA, Jorge A. ^{75}Se-selenomethionine in scintallography of thyroid and hepatic lesions, 25:58054
- MAISTRENKO, A. N. Energy dependence of cross section for cold neutron scattering by liquid Ga over wavelength range 1 to 8 A, 22:26780
- MAISTRENKO, L. G. Characteristics of the variations of the explosive effect in martensitic transformation, 25:34482 (SCL-T-70-250)
- MAISTRENKO, O. I. Variability of gluten content and baking properties of soft wheat induced by γ and x rays, 22:21493
- MAISURADZE, N. A. Defect annealing in neutron irradiated niobium, 25:27269
- MAISURADZE, P. A. Field of polar disturbances at high latitudes, 22:15468
- MAISYUK, A. P. Changes in skin in animals exposed to ionizing radiation, 23:18092
- MAISYUKOV, V. D. Compensation method for increasing the accuracy of time interval measurements, 22:30915
- MAITA, J. P. 3d elements in superconducting PdSb, 22:29393
  - Electronic properties of two new elemental ferromagnets: fcc Pr and Nd, 23:34502
  - Electronic transitions in near-equiatomic vanadium—ruthenium alloys, 25:36339
  - Magnetic ordering in PrB_6, 25:11988
  - Magnetic ordering in the rare-earth hexaborides, 22:37051
  - Materials for generation of very low temperatures by adiabatic cooling, 25:47623
  - Superconducting behavior of intermetallic compounds with fluorite structure, 23:44362
  - Superconducting behavior of system Pb(Nb/sub 1-x/Ta/sub x/)S_3, 25:1106
  - Superconductivity and antiferromagnetism in boron-rich lattices, 22:13385
  - Superconductivity and electron interaction in the 3d band, 23:18565
  - Superconductivity at 20°K, 21:27092
  - Superconductivity of Cu—Sb phases, 23:1320
  - Superconductivity of Nb_3Al, 23:34354
  - Superconductors with magnetic impurities, 22:52689
  - Unusual strain dependence of T/sub c/ and related effects for high-temperature superconductors, 25:14183
- MAITI, J. N. Effect of glass wall on the determination of plasma conductivity by rf external probes, 25:30527
  - Rf heating of a cylindrical plasma, 22:31791
  - rf method for determining the complex conductivity of a plasma, 24:15283
  - Surface wave probe method for determining electron density in a plasma, 25:49880
- MAITLAND, A. Progress in radiation control, 23:45765
  - Vacuum as an insulator, 22:10536
- MAITLAND, Alexander Dosimetric evaluation of thirty dental facilities, 24:14504
- MAITRA, S. K. X-ray induced clustered-inflorescence mutant of Phaseolus mungo, 21:41381
- MAITRA, Samaresh Chandra Inhomogeneous cosmological solution of Einstein's equations, 23:12513
- MAITY, H. P. Radiometric procedure for micro determination of palladium and iodide with ^{131}I, 22:40026
- MAITZEN, H. M. Sun as a variable star, 23:51280
  - UBV observations of the magnetic variable HD 125248, 24:44865
- MAIWALD, E. Electron microscopic investigations of radioactive aerosols in special working areas, 25:16141 (SZS-17/70)
  - Monitoring of radioactive air and water, 21:28445 (SZS-14/66)
- MAIWALD, K. S. Thermal neutron radiography with Plutonium Recycle Critical Facility, 24:36525 (BNWL-1373)
- MAIYA, P. S. Diffusion in U carbide, 24:14925
  - Surface diffusion, surface free energy, and grain-boundary free energy of uranium dioxide, 25:40122
  - Surface relaxation kinetics of uranium dioxide, 25:27288
- MAIZLISH, R. S. Coextraction of arsenic with molybdenum, 25:21133
- MAJ, S. Temperature in earth's upper mantle model with radioactivity of chondritic meteorites, 22:47236
- MAJ, Zbigniew Studies on the effect of constant magnetic field on tobacco mosaic virus synthesis in tobacco leaves, 25:27106
- MAJANI, C. Paper chromatographic data for inorganic substances, 25:2075
  - Pressing of as received uranium dioxide powders, 22:4850 (RT/ING-(67)6)
  - Sintering parameters for various uranium dioxide powders, 22:31451
  - Some pressing, kinetic, and structural parameters of UO_2 powders, 24:34933
  - Thermal decomposition of U_3O_8 powders, 25:32794 (RT/ING-(70)19)
- MAJAUSKAS, J. Gas erosion of refractory materials with zirconium dioxide base. I, 21:18309
- MAJCHRZAK, K. Recovery and purification of uranium and other metals by ion exchange and solvent extraction, 22:4258
- MAJCHRZAK, Kazimierz Anion exchange of U(VI) complexes. II, 24:14036
  - Equilibria in solutions and anion exchange of U(VI) complexes. I, 23:47571
- MAJDIC, M. Recrystallization behavior of a thorium oxide-dispersion-hardened tungsten—rhenium alloy in comparison with pure tungsten, 25:52458
- MAJENKA, I. Oblique incidence corrections in ^{60}Co teletherapy, 23:20303
- MAJER, J. Rod models of fuel elements of nuclear reactors, 25:15410 (ZJE-92)
- MAJER, J. R. Application of integrated ion-current technique to study of rare earth chelates, 23:6116
  - Mass spectrometric determination of zirconium, hafnium, and titanium in mixtures using the integrated ion current method, 24:29188
  - Mass spectrometry of metal chelates. III, 22:25344
- MAJER, Jaroslav Separation by polyacrylamide gel electrophoresis of RNA from the spleens of immunized mice, 25:29476
- MAJER, V. Trace colloids /radiocolloids/ and interaction of trace elements in aqueous solutions, 24:13985
- MAJERNIK, V. Information content in quantum-mechanical systems, 24:5225
- MAJERNIK, Vladimir Some applications of information theory in quantum mechanics, 22:5483
- MAJERNIKOVA, E. Influence of exciton—exciton interaction on critical temperature of Bose—Einstein condensation, 23:34348
- MAJEROTTO, W. Application of Veneziano model including spins to reaction $k^+p \longrightarrow K^{*+}(890)p$, 25:56511
  - Are the hadron isomultiplet splittings of electromagnetic origin, 22:9545
  - Dynamical approach to the hadron mass splittings, 22:29656
  - K/sub l/°—K/sub s/° mass difference in the Quark model, 24:15564
  - Nuclear form factors from the Veneziano model, 25:3394
  - Nucleon form factors in the Veneziano model, 25:12144
  - P-wave nonleptonic hyperon decays in the quark model, 23:25571 (CERN-69-7, pp 197-204)
  - Refined quark model of weak hadron decays, 24:24332
  - Relativistic Dalitz plot for spin—parity determination of L-meson, 21:37793
  - Resonance peaks simulated by final-state effects, 23:49158
  - The vector current in radiative weak processes, 22:34934
- MAJEROTTO, Walter Calculation of axial form factors of semileptonic baryon decay, 21:2435
- MAJEROVA, Miroslava Correction for wall thickness of an ionization chamber in gamma radiation measurements, 23:14009
  - Standardisation of beta—gamma emitters by extrapolation of coincidence measurements with variated electrical parameters, 22:19103
  - Standardization of pure β emitters with a $4\pi\beta$ counter, 21:34308
- MAJEROWICZ, J. Digitalization method for electron densities for extensive showers, 22:364
- MAJESKI, S. Design and testing of a shipping container for large quantities of radioactive waste, 23:587 (CONF-681001-, pp 624-36)
- MAJESTIC, Richard Magnetic field fit to the 30" BNL bubble chamber, 22:23319 (BNL-12374)
- MAJETICOVA, J. Optimization of main parameters of fuel assembly for A2 reactor, 24:20477 (UJV-2046-R)
- MAJEWSKA, K. Investigations on the effect of microwaves on the eye, 23:38875
- MAJEWSKA, Kalina Effect of microwaves on the eye, 23:29878
- MAJEWSKI, C. Fission of natural uranium in neoplastic and normal tissue, 25:13361
  - Natural Th and U in kidney, 23:29321
  - Nuclear reactions produced by neutrons of the liver of rat after oral beryllium administration, 23:45914
  - Occurrence of neutrons in kidney, 23:24620
  - Occurrence of neutrons in liver of rat with implanted Guerin epithelioma, 23:45913
  - Recoil protons in liver and kidneys, 23:45937
- MAJEWSKI, Cz. Disintegration of nitrogen nuclei in an emulsion by deuterons derived from the hepatic and neoplastic tissue of the guerin epithelioma-bearing rat, 23:45791
- MAJEWSKI, Czeslaw Autoradiographic studies by stripping film technique radioactivity in tissue of rats, 24:2561
  - Fission of natural uranium in tumor and normal tissue, 23:29488
  - Metabolism of radioactive zinc in the liver damaged with C tetrachloride. III, 21:28368
  - Metabolism of radioactive zinc in the liver damaged with C tetrachloride. II, 21:28556
- MAJEWSKI, W. Solution of SU(3)-symmetric baryon strong coupling bootstrap model, 25:56503
- MAJID, Abdul Ionospheric probes, 22:44004
  - Sterilization of surgical catguts by gamma radiation, 24:34815
- MAJID MIAN, A. Mass equations of nuclear particles, 25:36426
- MAJIMA, A. Eye abnormalities in mice embryos caused by x irradiation. II, 21:45808
- MAJIMA, Reiko Effects of gamma irradiation on metabolic changes in potato tubers, 23:3006
- MAJKA, R. High resolution optical spark chamber, 25:13302
- MAJKAROV, S. Radioactive needle with linear activity increasing gradually towards the ends, 25:42590
- MAJKOWSKI, R. F. Measured shifts of Cs atomic lines, 22:41563
- MAJKOWSKI, R. J. Prog. rpt. on cesium plasma spectroscopy, final, 1/14/66, 21:2203 (N-66-21655)
- MAJKRZAK, Charles P. Hydrospace energy converter, 25:18600
  - Submerged energy converter, 25:10788
- MAJLE, T. Effect of gamma radiation on plasma alkaline phosphatase activity, 22:40562
  - Washing agents of skin contaminated with ^{137}Cs, 23:31730
- MAJLE, Tadeusz Metabolism of homologous albumin labelled with ^{131}I in x-ray-irradiated rats, 25:16021
  - Retention of ^{137}Cs in the femoral muscle of rat after administration of KCl and K aspartate, 22:43249
  - Retention of radioactive cesium in rat body, 25:47005
- MAJLING, L. Configurational splitting of giant dipole resonance for non-magic nuclei of 1d-2s shell as demonstrated by ^{32}S, 21:7730
  - Dipole photoabsorption in ^{9}Be, 22:50546
  - Dipole photodisintegration of ^{9}Be, 23:19161 (UJV-2092-F)
  - Electroexcitation of ^{32}S in region of dipole resonance, 25:28220 (UJV-2553-F)
  - Photodisintegration of ^{9}Be, 23:30941
  - Structure of giant dipole resonance of ^{9}Be nucleus, 23:21238 (ZFK-130, pp 190-3)
  - Structure of giant dipole resonance in ^{32}S, 24:28762
  - Wave functions for mixed configurations and Racah algebra of SU(4) group, 21:35504 (UJV-1834)
  - Wave functions for mixed configurations and the Racah algebra of SU(4), 22:1724
- MAJLIS, Norberto Resonance scattering and spatial variation of the order parameter in superconducting alloys, 25:25049
- MAJMUDAR, A. A. Extraction and utilization of pure Nb and Ta from Indian ores, 25:44425
- MAJNI, G. Thermolectric power in crystalline boron, 25:40805
- MAJOOR, E. B. M. Compilation of test fuel data of the 1964-66 test fuel programme, 22:22700 (HPR-81)
  - Development of vibro-compacted fuel elements with UO_2 fuel prepared by sol-gel process and by electrodeposition, 25:52418 (A/CONF.49/P-26)

  - Preparation of tungsten coated dysprosia and its incorporation in uranium—dioxide, 24:36954 (RCN-115)
- MAJOR, D. Attenuation of 14-MeV neutrons in calcium-based concrete, 25:36260
  - Collimation of 14 MeV neutron beams, 25:53497
  - Radiotherapeutic requirements of 14 MeV fast neutron beams, 25:52080
- MAJOR, F. G. Exchange-collision technique for the rf spectroscopy of stored ions, 22:31645
  - Method for measuring the cyclotron and spin resonance of free electrons, 22:41345
- MAJOR, G. Misuse of threshold limit values, 25:55198
- MAJOR, Gyorgy Radiation balance in Hungary, 23:38109
- MAJOR, K. G. Motion of impurities and the spectrum of excitations in liquid ^{4}He, 21:25090
- MAJOR, M. W. Residual strains associated with nuclear explosion, 24:19119
- MAJOR, R. W. Isothermal phase transformations in Cerium metal at 80°K, 21:20520 (TID-22457)
  - Resistance and crystal structure of cerium as determined by temperature cycling, 22:15198
- MAJOR, W. Laboratory blank experience in long-lived fission products, 22:37653 (UCRL-18140, pp 13-36)
- MAJOR, W. J. Radiochemical analysis of ^{90}Sr and rare earths from seawater, 21:36089
- MAJOR, W. M. Residual strains associated with a nuclear explosion, 24:20910
- MAJORINO, Gian Franco Lower bounds of error for a trial wave function, 23:49020
- MAJOUBE, M. Fractionation factor of ^{18}O between water vapour and ice, 24:36370
- MAJOUBE, Michel Fractionating of ^{18}O between ice and water vapor, 25:41921
- MAJUMDAR, A. K. 1-(2-carboxy-4-sulphonatophenyl)-3-hydroxy-3-phenyltriazene as spectrophotometric reagent for Cu(II) and Pd(II) in Fe, Mo, and V, 25:18342
  - Determination of Re and Mo, 24:4
  - Diphenyl sulphoxide and triphenyl phosphate complexes of U(VI) and U(IV), 24:11540
  - Electrochromatography in the separation of ions, 24:50454
  - N-benzoyl-o-tolylhydroxylamine as gravimetric reagent for U(VI), 24:26942
  - Spectrophotometric determination of Fe(III), Mo(VI), and V(V), 25:15503
  - Uranium(VI) and U(IV) with hexamethyl phosphoramide, 25:51429
- MAJUMDAR, B. Inductions of albino mutants in rice by ionizing radiation, 22:21629
- MAJUMDAR, C. K. Faddeev approach to three-particle systems with Coulomb interactions, 24:6380
  - Positron annihilation in liquids and solids, 23:16662
  - Positronium formation in interacting electron gas, 25:980
  - Role of electron—electron interaction in the theory of positron annihilation in metals, 25:981
- MAJUMDAR, Chanchal K. Effect of paramagnetic impurity on long lifetime of positrons. II, 22:29228
  - Effect of paramagnetic impurity on the long lifetime of positron in liquid ammonia, 21:43770
  - Effective mass of the positron in metals, 22:26205
  - Positronium formation in hydrogen, 23:41944
- MAJUMDAR, D. P. Current algebra, field-current identity, the $K_2{}^0K_1{}^0$ electromagnetic transition, and the decays $K^0 \rightarrow \pi\pi^+e^-$, 24:12999
  - Effect of a transverse momentum distribution in the parton model, 24:42899 (SU-1206-225)
  - Effect of a transverse momentum distribution in the Parton model, 25:3323
  - Field-current identity, chiral dynamics, and K/sub 13/ form factors, 24:26412
  - High-energy electroproduction and the lim q^2sigma/sub L/ = 0 as $q^2 \rightarrow -$ infinity, 24:15507 (SU-1206-217)
  - Inelastic Compton scattering inequalities in quark-Parton model, 25:43586 (SU-1206-250)
  - Inelastic e—p scattering data and a new parton model, 24:40318
  - Inelastic e-p scattering data and a new parton model, 24:10701 (SU-1206-207)
  - K/sub 13/ form factors and spectral functions of currents, 22:24617
  - Most probable number of partons in parton models, 25:45754
  - Note on chiral-dynamic-Lagrangian calculation of the X^0 decay, 22:44474
  - Note on the most probable number of partons in parton models, 25:43585 (SU-1206-246)
  - Q^2-dependence of inelastic e-p scattering structure functions, 25:17422 (SU-1206-236)
  - Some quark—parton-model inequalities for the neutron and proton inelastic structure functions, 25:38705
  - Some quark-parton model inequalities for the neutron and proton inelastic structure functions, 25:33731 (SU-1206-244)
  - Spectral-function sum rule, vector-meson dominance and current-mixing model, 22:46347
- MAJUMDAR, Deba Prasad Chiral dynamics, gauge fields, and elementary particle physics, 24:37820
- MAJUMDAR, G. C. Incorporation of ^{32}P into mammary gland and liver of rats, 24:21067
- MAJUMDAR, K. K. Adsorption of long chain electrolytes at solid—liquid interface. I, 23:47420 (BARC-385)
  - Beneficiation of U minerals from Narwapahar—Singhbhum, 25:44423
  - Recovery of uraninite from Rakha Cu mines, 22:51113
  - Studies in beneficiation of low grade U ore containing traces of Ni, Cu, and Mo from Jaduguda—Bihar, 22:40149 (AEET/Met.-9)
- MAJUMDAR, N. K. New type of d. c. ion source, 25:49713
  - Optics of the ion source extraction space, 25:9922
  - Pulse probe measurements of gas discharge plasmas, 21:15103 (CONF-660221-, pp 372-5)
- MAJUMDAR, R. Dipole rho model for K^-p charge-exchange reaction, 25:47880
- MAJUMDAR, Rabi Current algebra and pion energy spectrum in $K \rightarrow 3\pi$ decays, 21:42330
  - Current algebra and three-body weak radiative decays of the hyperons, 21:33743
  - Current algebra, s-wave meson-baryon scattering lengths, and Ademollo—Gatto theorem, 22:5583
  - Fixed-angle amplitudes, threshold behavior, and N/D equations, 24:49486
  - On Λ-particles creation in K^+p-collisions at high energies, 21:17125
  - Production of 2^+ mesons and SU(6) symmetry, 21:42427
  - Quark statistics and baryon form factors, 21:906
  - Unsubtracted dispersion relation, current algebra, and momentum-dependent vector form factor in K/sub 14/ decays, 24:3601
- MAJUMDAR, S. D. Representations of the group SU(3), 22:24694
- MAJUMDAR, S. Datta CG coefficients of SU(3), 23:39759
  - Class of CG coefficients of SU(3), 24:18238
  - Dirac equation at high energies, 21:17075
  - Finite transformations of the group SU(3), 24:24408
  - Results on groups SU(2) and SU(3), 22:13792
- MAJUMDAR, S. K. Pulse probe measurements of gas discharge plasmas, 21:15103 (CONF-660221-, pp 372-5)
  - Rhenium and Tc(VI) and meso-(VII) species, 23:9412
- MAJUMDAR, Saroj K. Note on the dispersion relation for very high temperature plasma, 22:15524
- MAJUMDAR A. K. Triphenylphosphonium and triphenylphosphine oxide complexes of some higher valent metals, 21:40822
- MAJUMDER, A. R. Inelastic scattering of deuterons from ^{56}Fe, 22:22565
  - Level structure in ^{57}Fe from the (d,p) reaction on ^{56}Fe, 25:17801
  - Study of levels in ^{56}Fe, 22:50654
- MAJUMDER, B. Cytogenetical studies on some x-rays and ^{32}P induced mutants of rice, 23:24602
- MAJUMDER, Balaram Induction of early mutant in Oryza sativa Linn. by radioactive phosphorus, 22:8510
  - Rice mutants induced by x rays and radioactive phosporus, 25:24096
- MAJUPURIA, K. C. Effect of roentgen irradiation on white blood cells, 23:10037
- MAJURE, J. C. Prog. rpt. on excitation and ionization of ions by electron impact, 9/1/68—5/31/69, 23:32156 (ORO-3027-15)
  - Prog. rpt. on excitation and ionization of ions by electron impact, annual, 9/69—5/70, 24:37220 (ORO-3027-16)
  - Prog. rpt. on excitation and ionization of ions by electron impact, 9/70—5/71, 25:35833 (ORO-3027-19)
- MAJZOUB, M. Isotopic examination at depth of Antarctic glacier, 22:18942
  - Mass spectrometer for the isotopic oxygen analysis of water, 23:738
- MAK, B. K. Proton microanalysis, 22:30427 (BNL-50083, pp 192-202)
- MAK, D. H-2-glucose as tracer in turnover studies, 25:26602
- MAK, H. B. Beta decay of ^{20}O, 25:12453
  - Isospin-nonconserving particle decays of the lowest T = 3/2 levels in ^{17}F and ^{17}O, 24:22094
- MAK, William Hung-ying Overlapping final state interactions, 23:8773
- MAKABE, Eichi Measurement of moisture in raw materials in iron-making facilities, 23:7704
- MAKADA, H. A. Oxidizing radical in radiolysis of aqueous hydrochloric acid, 23:35197
  - Reactivity of OH and O^- in the radiolysis of aqueous solutions, 23:9435
- MAKAO, Makoto Molecular weight of Na, K-ATPase approximated by radiation inactivation method, 22:33767
- MAKAR, Michael Immunohematological studies of Marshall Islanders sixteen years after fallout radiation exposure, 25:27058
- MAKARA, G. B. Radiozinc uptake by the acutely damaged pancreas of rats, 23:50699
- MAKARA, V. A. Nature of strengthening γ-irradiated NaCl and KCl crystals, 24:32907
- MAKARCHENKO, A. F. Exposure of latent injuries in the macrostructure of serum proteins arising as a result of treatment with ionizing radiation, 23:12025
- MAKARENKO, E. N. Interstellar material in galaxy M 31, 23:30280
  - Normal color indices and color excesses of long-period Cepheids, 25:40181
- MAKARENKO, G. I. Initial approximation for kinematical parameters of charged particle, 23:38321
- MAKARENKO, G. N. Certain features of high-temperature phase transitions in rare-earth metal dicarbides, 23:48570
  - Electrophysical properties of Gd, Tb, Dy, Er, and Tm dicarbides, 21:41654
  - Formation of solid solutions of carbides involving scandium carbide, 21:14875
  - Nature of boron carbonitride. I, 25:52433
  - Obtaining of Gd, Tb, Dy, Er, Tm, and Lu dicarbides, 21:41640
  - Physical properties of carbides of Ce, La, Nd, and Y, 24:10161
  - Properties of rare-earth metals (Sc, Nd), their hydrides, carbides, and oxides, 25:29859
- MAKARENKO, I. G. Chemical prophylaxis of the direct and long-term effects of irradiation by high-energy protons within a broad dose range, 24:27615
- MAKARENKO, I. N. Thermal properties of molybdenum at high temperatures, 25:6870
  - Thermal properties of niobium at high temperatures, 25:32700
  - Thermal properties of tantalum at high temperatures, 25:11425
- MAKARENKO, S. A. Assessment of biochemical and isotope methods of investigation in patients who have sustained infectious hepatitis, 21:28533
- MAKARENKOVA, A. D. Generation of a fictitious track, 22:4473 (JINR-P10-3526)
- MAKAREVICH, A. I. Effect of fast neutron irradiation on dislocation density in silicon, 22:37032
  - Effect of fast neutron irradiation on the photomechanical effect in silicon, 22:44224
  - Kinetic model simulating radiative center in silicon, 22:22230
  - Microhardness of fast-neutron-irradiated silicon monocrystals, 22:41691
  - Relative influence of A and E centers on electrical properties of silicon during irradiation, 23:1549
- MAKAREVICH, G. A. Formation of current in an electromagnetic shock tube, 21:20991
- MAKAREVICH, V. G. Effect of mutagens on Actinomyces aureofaciens mutants, 21:20140
- MAKAR'IN, V. K. 70 kOe pulse magnet, 25:8555
  - Bubble chambers with 100 kOe pulsed magnetic field in 8 liter volume, 21:288
  - Pulse magnet for bubble chamber, 22:6644
- MAKAR'INA, L. A. Angular distribution of positrons of $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ decay in 140 kg magnetic field, 21:2360
  - Asymmetry of positrons from the decay $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ in the longitudinal 140000 Oe magnetic field, 21:44257
  - Magnetic moment of Λ^0 hyperon, 25:59294
  - Muonium in magnetic field, 23:36499
  - Relaxation of μ^+—meson spin in condensed media, 22:22295
- MAKARIOUS, A. S. Measurement of continuous fast neutron spectra by scintillation technique, 25:34920 (UARAEE-91)
- MAKARIUNAS, K. Determination of intensity of monoenergetic gamma radiation in complicated spectra, 21:19915
- MAKARIUNIENE, E. Determination of intensity of monoenergetic gamma radiation in complicated spectra, 21:19915
- MAKARKIN, A. Ya. Method of obtaining vacuum-tight cermet joints, 21:26878 (AD-649412)
- MAKARKIS, P. Role of calcium in softening and refirming irradiated plant tissues, 24:48787
- MAKAROCHKINA, L. M. Purification of industrial waste waters with high-energy radiation, 24:48112 (ORNL-tr-2389)
  - Radiolysis of alkanesulfonylchlorides in the process of radiation sulfochlorination of paraffin hydrocarbons, 23:4681
- MAKAROV, A. A. Antiproton annihilation into two mesons and higher symmetries, 21:35335
  - Baryon—baryon interactions and collinear symmetries, 21:33757
  - Baryon-baryon forward scattering and collinear symmetries, 21:925 (JINR-P-2872)
  - Electromagnetic current and form factors for the meson 35-plet in the broken SL(6,C)-symmetry, 21:11794
  - Helicity and unitary representations of Lorentz group, 24:3717
  - Invariant expansions in a cone and unitary transformations of the amplitudes, 23:5687 (JINR-P2-4067)
  - Invariant expansions on the cone and unitary transformations of amplitudes, 23:37029
  - Principal aspects of fuel-power balance in USSR, 23:4487 (AEC-tr-6993)
  - Systematic search for nonrelativistic systems with dynamical symmetries. I, 22:9630
  - Two-meson annihilation of antiproton and high symmetries, 22:9662
  - Two-meson annihilation of baryons in broken SL(6,C) symmetry, 21:2454
  - Wigner function for hyperbolic rotations in the homogeneous Lorentz group, 25:14759
- MAKAROV, A. F. Automatic measurement of reaction yield on electrostatic accelerator of the Physico-Technical Institute of the Ukrainian Academy of Sciences, 22:18150
  - Automation of nuclear experiment on 4-MeV electrostatic accelerator of FTI of Academy of Sciences, USSR. I, 23:4054 (NP-17611)
  - Formation of electron beam in linear accelerator waveguide, 23:5743
  - Particle dynamics in injector accelerator with waveguide prebuncher, 24:1706
- MAKAROV, A. M. MHD Couette flow of viscous plastic fluids, 21:20837
  - Thermodynamics of built-in single-component two-phase MHD generators, 24:47070
  - Unsteady magnetohydrodynamic flow of a viscoplastic medium over an infinite plate, 25:27496
- MAKAROV, A. P. Electron work function of tantalum—ruthenium alloys, 25:56350
- MAKAROV, A. V. Separation of boron isotopes by chemical exchange methods. VI, 22:16656
- MAKAROV, D. F. Determination of Ru by atomic absorption, 23:45202
- MAKAROV, D. V. Comparative investigations of thermal and radiation-initiated thermal cracking of a gas—oil fraction, 22:2121
  - Thermal and radiation initiated conversions of terphenyl isomers and their hydrogenated derivatives, 25:29113
- MAKAROV, E. F. Electronic structure of tin in its compounds and isomer shifts in Moessbauer spectra, 22:5425
  - Goldanskii—Karyagin effect in Moessbauer patterns and the anisotropy of atomic vibrations in crystals, 25:56377
  - Investigation of asymmetry of quadrupole splitting components in Moessbauer spectra of siderite single crystals and polycrystals, 22:20088
  - Moessbauer investigations of Mg, Mn, and MgMn ferrites in external magnetic fields, 22:17777
  - Quantitative test of vibrational anisotropy origin of asymmetry of quadrupole Moessbauer doublets, 22:11532
  - Study of Alnico 8 by Moessbauer spectroscopy, 22:5431

- MAKAROV, Evgeny Fredovich Method and apparatus for determining the content of chemical elements or compounds in specimens, 22:6287
- MAKAROV, I. E. Detection of trapped electron in glassy aqueous solutions of γ-irradiated sugars at 77°K, 22:23052
  - Electron paramagnetic resonance investigation of photoconvertible radicals in polyatomic alcohols gamma irradiated at 77°K, 24:31408
  - Electron paramagnetic resonance spectra of irradiated chilled aqueous solutions, 24:16566
  - Formation of stable nitrogen-containing radicals during capture of radical-product nitrones formed by radiolysis of liquids, 24:16565
  - Kinetics of thermal and photostimulated extinctions of trapped electrons in γ-irradiated vitreous alkaline ice, 25:8287
- MAKAROV, Jury Alexandrovich Improvements in or relating to neutron detectors, 24:5911
- MAKAROV, K. A. Interaction of He$^+$ ions with certain metals, 24:1266
  - Transmission, reflection, and absorption of He$^+$ ions in thin films, 24:1267
- MAKAROV, L. G. Spark chamber readouts developed by magnetostriction lines, 21:16176
- MAKAROV, M. A. Absolute measurements of α-radioactive isotopes by means of nuclear photoemulsions, 21:27912
- MAKAROV, M. M. Amplitude of the $^{3}/_{2}$, $^{3}/_{2}$ isobar production in inelastic pion—nucleon scattering below 1 GeV, 23:25621
  - Complete processing of experimental data, obtained by nuclear emulsions, using a computer, 22:6646
  - Determination of isobar amplitudes in $\pi^- p \rightarrow \pi^+ \pi^- n$ reaction at energies 360 and 430 MeV, 22:32145
  - Evaluation of the energy of fast particles by ionization measurement in nuclear photoemulsions, 22:6645
  - Formation of N*(3,3) isobars in $\pi^- p \rightarrow \pi^+ \pi^- n$ reaction, 23:30712
  - Low energy phases of s-wave $\pi\pi$ interaction and charge exchange and neutral meson elastic scattering cross sections, 24:28542
  - Low energy S-wave $\pi\pi$-phase shifts, 24:30517
  - One-meson approximation to determine $\pi\pi$ interaction cross section, 24:24355
  - Partial-wave analysis of reaction $\pi^- p \rightarrow \pi^+ \pi^- n$, 25:38750
  - Reaction $\pi^- p + \pi^+ \pi^-$ main production properties of N*(3/2,3/2)-isobar state, 24:3546
- MAKAROV, P. O. Influence of pulsed microwaves on Opalina ranarum, 23:50827
- MAKAROV, R. N. Wilson chamber for investigating photomeson processes, 23:11862
- MAKAROV, S. P. Intermediate and fast neutron detector, 25:39720
- MAKAROV, V. A. Compiler realizing FORTRAN language for Minsk-22, 23:21594 (IFVE-SVM-68-30-K)
  - Disproportionation and recombination reactions of cyclohexyl radicals at low temperatures, 25:51527
- MAKAROV, V. I. Effect of dose rate on kinetics of cyclohexane radiolysis, 23:24219 (NP-tr-1761)
  - Effect of impurities on the superconducting transition temperature in thallium, 22:46067
  - Effects of dose on the kinetics of radiolysis of cyclohexane. Cyclohexane as a chemical dosimetric system, 21:30479
  - Electrometer amplifiers of constant current for mass spectrometers, 23:31592
  - Excitation and superexcitation of electron states of atoms and molecules and their role in radiation chemistry, 24:50423
  - Influence of the structure of certain alkyl-substituted cyclohexanes on their radiolysis, 23:9481
  - Non-radial structure of corona 5303 A following proton flares, 21:3600
  - Profiles of coronal lines based on large coronograph observations, 25:58572
  - Topological peculiarities of electron spectra in superconducting metals, 22:13395
  - Topology of the Fermi surface of In, 23:42502
- MAKAROV, V. M. Composition, crystallographic structure, and thermal stability of rare earth uranates, 22:30523
  - Dependence of the extraction capacity of amines on their ionization potentials, 25:21105
  - Diuranate of ammonia and the hydrates of uranium trioxide, 22:18781
  - Infrared spectra and molecular structure of the uranates of some rare earth elements, 22:34119
  - Phase equilibrium in system La_2O_3—UO_3—H_2O at 270°C, 23:4634
  - Removal of radioiodine from gases, 25:51569 (A/CONF.49/P-703)
- MAKAROV, V. P. Simple scintillation detector for measuring low-energy irradiation, 23:7764
- MAKAROV, V. S. Permanent electromagnet with built-in radioisotope thermoelectric direct converter, 25:47365
- MAKAROV, V. V. Cathodoluminescence of SiC crystals of various modifications containing radiation defects, 21:37594
  - Cathodoluminescence spectra of silicon carbide crystals irradiated by fast electrons, 21:18811
  - Influence of ion bombardment on the cathodoluminescence of silicon carbide, 21:827
  - Luminescence of silicon carbide on bombarding with charged particles of medium energy, 23:44525
  - Lunimescence of SiC single crystals bombarded with electrons, H ions, and deuterium ions of energies up to 20 keV, 22:39182
  - Penetration of 2- to 11-keV Li ions into Si carbide single crystals, 21:23285
- MAKAROV, Yu. A. Sealed ^{3}He gas scintillation counter, 22:47329
  - Sensitive detector for slow neutrons, 22:47334
- MAKAROV, Yu. V. Experimental solenoid made of Nb_3Sn strip, 25:19588 (JINR-P8-5440)
  - Physical processes in electromagnetic shock tubes, 22:46158
  - Study of the structure of the luminescence front in an electromagnetic shock tube, 21:5307
  - Thermodynamic and gas-dynamic parameters of low-temperature plasma, 21:40003 (AD-653553)
- MAKAROVA, A. I. Methods of concentration and determination of Co, Ni, Cu, Zn, Cd, Hg, and U in agrochemical, biogeochemical, and biological investigations, 22:4057
- MAKAROVA, E. Photographing the solar corona in 5303 A during eclipse of Sept. 22, 1968, 24:3113
- MAKAROVA, E. A. Coronal lines during total solar eclipse of 5/30/65, 23:51290
  - Mean absolute energy distribution in solar spectrum, 23:16608
- MAKAROVA, L. A. Assessment of radiation danger in cathode ray tubes, 24:23226
  - Irradiation hazard associated with use of electron tubes, 24:17050
- MAKAROVA, L. S. Areas of application for nickel—molybdenum and nickel—chromium—molybdenum alloys in the chemical industry, 25:16418
- MAKAROVA, N. I. Heat resistance of dispersion-hardened copper, 25:52371
  - High-temperature strength of dispersion-strengthened copper, 25:22168
- MAKAROVA, S. B. Ion exchange in radiochemistry, 25:48584
- MAKAROVA, T. P. Determination of formation function of complex compounds in UO_4^{2-}—$C_2O_4^{2-}$, 22:8075
  - Electromigration method for studying complex formation of U(VI) with EDTA, 24:198
  - Gamma-radiation of some rare-earth elements, 24:11018
  - Investigation of complex formation of Ce(III), Am(III), Cm(III), with 1,2-diamincyclohexanetetraacetic acid by electromigration method, 22:27686
  - Thin-layer electrophoresis in inorganic analysis. I, 25:57299
- MAKAROVA, V. V. Profiles of coronal lines based on large coronograph observations, 25:58572
- MAKAROVISCH, I. Hyperon—proton interactions between 0.5 and 4.0 GeV/c, 24:49323
- MAKAROVITSCH, I. Analysis of the energy variation of baryon behavior in inelastic π-N scattering, 21:17119
  - $K^- p$ charge exchange at 3.95 GeV/c, 24:45434
- MAKAROVSKII, E. L. Mathematical manipulation of multiparticle nuclear reactions, 25:48912
- MAKARYAN, K. V. Effect of x ray radiation on the proteolytic and acid-forming ability of certain types of lactate rod-shaped bacteria, 24:34278
- MAKARYUNAS, K. V. Decay of /sup 117m/Sn, 24:38261
  - Determining intensity of monoenergetic gamma radiation in complex spectrum, 22:21340
  - Effect of chemical bond on internal conversion in valence shell of 35.48 keV γ transition in ^{125}Te and estimate of nuclear radius change, 25:38596
  - L/sub I/:L/sub II/:L/sub III/ ratios for M4-transitions in ^{123}Te, ^{125}Te, ^{127}Te, and ^{129}Te nuclei, 24:13388
  - Nonperturbed angular correlations of γ quanta from cascade 459.7 to 27.7 keV in ^{129}I nucleus, 24:15913
  - Perturbations of angular correlation of ^{129}I 459.7 to 27.7-keV cascade γ-quanta, 24:38260
  - Some peculiarities of gamma-ray spectra of neutron-activated Te and CdTe crystals and activation cross-sections of Te isotopes, 21:13864
- MAKARYUNENE, E. K. Determining intensity of monoenergetic gamma radiation in complex spectrum, 22:21340
  - Nonperturbed angular correlations of γ quanta from cascade 459.7 to 27.7 keV in ^{129}I nucleus, 24:15913
  - Perturbations of angular correlation of ^{129}I 459.7 to 27.7-keV cascade γ-quanta, 24:38260
  - Some peculiarities of gamma-ray spectra of neutron-activated Te and CdTe crystals and activation cross-sections of Te isotopes, 21:13864
- MAKASHEV, Yu. A. Isotopic exchange of Ho in the Ho^{3+}—Ho(EDTA)-system, 21:8253
- MAKASHEVA, I. E. Isotopic exchange of Ho in the Ho^{3+}—Ho(EDTA)-system, 21:8253
- MAKEDANZ, A. Principles of radiation protection, 23:6455
  - Radiation protection situation in contact therapy. I, 24:32019 (SZS-3/70)
  - Radiation protection situation in contact therapy. II, 25:16260 (SZS-18/70)
- MAKEDANZ, Albert Radiation protection during local therapeutic handling of gamma sources, 21:45655
- MAKEEV, G. N. Heating mechanism of plasma during development of beam instability, 23:51593
- MAKEEV, V. V. Search for W-boson in NN-collisions at IHEP accelerator, 25:5267 (IFVE-SEF/STF-69-46)
  - Searches for heavy leptons by observation of their free paths, 22:48277 (IFVE-SEF/STF-68-6-K)
- MAKEEVA, L. G. Combination of thorium with blood constituents, 24:44410
  - Distribution of Th in liver of rats, 22:51371
  - Distribution of Th in rats' bones, 23:47940
  - MPC of ^{232}Th and natural Th in drinking water, 25:11051
  - Removal of ^{228}Th and products of its dissociation from lungs, 25:21578
- MAKEPEACE, John M. Indian Point inspections, 24:7040
- MAKHACHEK, Z. Beta-spectrograph of Institute of Nuclear Research of Czechoslovakian Academy of Sciences, 22:47367
- MAKHALOVA, O. K. Influence of cystamine on white blood cells of dogs after x irradiation, 21:36663
  - Influence of radiation-protective preparations on functional state of human organism, 21:16375 (JPRS-38272, pp 366)
- MAKHANEK, A. G. Crystalline field screening effects for 4f/sup x/ shells of rare earth ions and nuclear moments. II, 23:7042
- MAKHANEVA, G. I. Physical characteristics of direct-charge detectors, 25:57777
- MAKHAN'KOV, V. G. Acoustic instabilities of a beam of transverse electromagnetic waves in a plasma, 25:17245
  - Calculation of the spectra of stationary plasma turbulence, 24:42685
  - Collisions in a turbulent plasma, 22:3088
  - Computational study of the correlation functions of a weak turbulent plasma, 24:37472
  - Correlations of turbulent pulsations in plasma, 25:9475
  - Coulomb collisions in turbulent plasma, 21:37446 (JINR-P9-3394-2)
  - Coulomb collisions of particles in a turbulent plasma, 22:11446
  - Dissipative spectral transfer in turbulent pulsating plasma, 24:19921
  - Dissipative spectral transformations of turbulent pulsations in plasma, 23:1410 (JINR-P9-4042)
  - Drift instabilities of a magnetized turbulent plasma, 23:36721
  - Effect of ion-ion collisions on non-linear Langmuir wave interaction in plasma, 22:19963 (JINR-P9-3689)
  - Effect of the coulomb collisions of particles on the nonlinear transverse wave interactions, 22:50146 (JINR-P9-4040)
  - Influence of ion—ion collisions on nonlinear interactions of Langmuir waves in plasma, 24:10589
  - Interaction between Langmuir and acoustic waves in turbulent plasma, 23:39517
  - Interactions of Langmuir and acoustic waves in turbulent plasma, 22:50144 (JINR-P9-3978)
  - Ion—sound turbulence in dense plasma, 25:43406 (JINR-P9-5846)
  - Low frequency properties of weakly turbulent plasma, 23:51658
  - Non-linear Langmuir wave interaction and ion—ion collisions in turbulent plasma, 21:37445 (JINR-P9-3373-2)
  - Non-linear regime of radiation instability development of relativistic electron rings, 25:28110 (JINR-P9-5622)
  - Non-linear theory of hydrodynamic beam instability, 22:19964 (JINR-P9-3690)
  - Non-linear theory of hydrodynamic beam instability. II, 23:3522 (CERN-Trans-68-6)
  - Nonlinear drift instability in turbulent plasma, 22:50201 (JINR-P9-3981)
  - Nonlinear generation of plasma waves by beams of transverse waves. v, 24:40142
  - Nonlinear generation of the plasma waves by the transverse wave beam. v, 22:48100 (JINR-P9-3980)
  - Nonlinear instabilities of Langmuir waves in region of frequent Coulomb collisions, 22:50145 (JINR-P9-3979)
  - Nonlinear instabilities of Langmuir waves in region of frequent Coulomb collisions, 24:40143
  - Nonlinear interaction of electrostatic waves with ion—ion collisions in a turbulent plasma, 24:37466
  - Nonlinear low-frequency oscillation spectra in an anisotropic plasma, 23:25402
  - Nonlinear low-frequency spectra of anisotropic plasma oscillations, 23:8597 (JINR-P9-4041)
  - Nonlinear theory of hydrodynamic beam instabilities. I, 22:46170
  - Nonlinear theory of hydrodynamic beam instability. II, 24:10567
  - Numerical analysis of the nonlinear stage of development of the radiative instability of relativistic electron rings, 25:53435 (UCRL-Trans-1453)
  - Oscillations of confined (cylindrical) plasma with hot electron current, 21:31446
  - Problems of electron-ion ring stability, 23:13147 (JINR-P9-4138)
  - Scattering of electromagnetic waves on hydrodynamic pulsations of turbulent plasma, 23:23202
  - Scattering of electromagnetic waves on hydrodynamic pulsations of a turbulent plasma, 23:34477 (N-69-22179)
  - Stability of a cylindrical electron layer in a uniform magnetic field surrounded by a metal shield, 24:38046
  - Stability of a cylindrical layer of electrons, surrounded by a metal shield, in a uniform magnetic field, 22:46640 (UCRL-18103, pp 501-22)
  - Stability of an electron-ion ring, 23:21190 (UCRL-Trans-1392)
  - Stability of cylindrical layer of electrons surrounded by a metal screen in a homogeneous magnetic field, 22:5037 (JINR-P9-3475-2)
  - Stochastic heating of plasma particles, 23:1356 (JINR-P9-4044)
  - Stochastic heating of plasma particles, 24:32813
  - Surface waves in a current-carrying plasma of finite radius, 21:18706
- MAKHANOV, U. M. Installation for the remote control of samples in the neutron beam, 22:35979
- MAKHANTA, M. H. Some geometrical properties of the electromagnetic field, 22:15650
- MAKHENKO, P. A. Possibility of compensating a beam energy spread due to current loading, 25:25577 (SLAC-Trans-129)
- MAKHIJANI, A. B. Further comparison of spread-F and backscatter sounder measurements, 23:39391
- MAKHINA, A. A. Redistribution reaction of radicals under conditions of gamma-irradiation (^{60}Co), 23:40709
- MAKHKAMOV, K. Spectroscopic studies of the destruction process of modified cellulose materials irradiated by ultraviolet rays and γ radiation, 21:15936
- MAKHLIN, N. A. Effect of vacuum on the diffusion mobility of nickel in molybdenum, 25:55505
  - Influence of crystal lattice defects on high-energy proton shadow effect, 25:58275
  - Thermodynamic properties of alloys of the zirconium—niobium system, 22:28790
- MAKHLINA, A. M. Influence of whole-body x-irradiation on soluble proteins of skeleton muscles, 21:4765

  Lipoproteins of the blood serum and of some organs of irradiated rats, 22:8488
  Protein fractions of intestine and brain of irradiated animals, 25:29664
  Soluble proteins of spleen of irradiated animals, 21:30790
MAKHLINA, L. M. Soluble proteins of the brain and intestinal wall of irradiated animals, 22:28696
MAKHLIS, F. A. Changes in structure and properties in γ-irradiated crystallizable chloroprene rubber, 25:35590
  Chemical systems radiation heating by gamma rays, 22:52304
  Experimental aspects of polymer irradiations, 24:247
  Gamma-ray absorption from point monodirectional gamma source in plane geometry, 21:9323
  Method for calculations efficiency of radiation apparatus with plane gamma-source, 21:32487
  Radiation heating of biological specimens in the case of γ-irradiation, 23:29715
MAKHLIS, L. A. Isotopic exchange and hydrogenation of cyclohexene on nickel, 25:46483
MAKHMETOV, M. Determination of arsenic and tellurium in gaseous media, 25:28959
  Determination of Se, Te, Au, and Ag in Cu electrolysis slimes, 25:28933
MAKHMETOV, M. Zh. Rapid detection and determination of tellurium in the presence of selenium, 24:17
MAKHMUDOV, B. Alpha -decay of Dy, Tb, Gd, and Eu isotopes, 22:35354
  Spectrum-α fine structure in rare earth region, 22:18221
MAKHMUDOV, B. M. Device for studying cosmic radiation at 200 to 400 km elevation, 23:50129
  Electron precipitation at low altitudes, 25:24961
  Instrument for studying cosmic radiation at altitudes of 200 to 400 km, 24:2447 (JPRS-49167)
  Measurement of absorbed radiation doses during flights of space vehicles, 23:31750 (N-69-20924)
  Measurement of absorbed radiation on space flights, 23:822 (ORNL-tr-2031)
  Measurements of absorbed radiation doses during flight in satellites, 22:34299
  Measurements of the absorbed cosmic radiation dose in satellite Cosmos-228, 25:40410
MAKHMUDOV, Z. Particle generation on the Sun during brightening and flares at various periods of solar activity, 22:21807
MAKHMUDOV, Z. Z. Nonlinear effects during coherent amplification of spin waves by a charged particle beam, 21:9891
  Quasi-linear theory of charged particle interactions with spin waves, 23:18746
MAKHMUDOW, Z. Z. Associated-wave scattering of light and slow neutrons in semiconductor antiferromagnets, 25:14488
MAKHNAVETSKII, A. S. Comparative heat exchange characteristics of glasses with a radio-protective coating and without one, 25:10770
MAKHNENKO, L. A. Charge phase distribution in travelling-wave linear accelerator, 24:1715
  Current loading and dispersion in an iris-loaded linear electron accelerator, 25:36644
  Forming beams and beam parameters in output channels of 360-MeV electron linear accelerator, 25:9927
  Possible increase in maximum current in a traveling-wave linear accelerator, 24:1711
  Questions concerning the increase of the limiting current in multisection linear accelerators, 22:1542 (SLAC-Trans-77)
  System for the measurement of the energy spectrum of the electron beam of a linear accelerator, 22:44565
  Traveling-wave linear accelerator (360 MeV), 21:29732
MAKHNEV, Yu. A. Chemical-spectral determination of zirconium and hafnium using a three-phase extraction system, 23:49709
MAKHNOVSKII, E. D. Photodisintegration of ^{6}Li, 21:21468
MAKHONINA, G. I. Distribution of radioisotopes in pine seedlings, 24:14412
  Uptake of ^{65}Zn, ^{115}Ca, and ^{203}Hg by fresh-water plants and effects of EDTA on concentration of isotopes, 24:7713
MAKHONINA, M. S. Organs and systems following radiotherapy of thyroid cancer, 25:29707
  Radiotherapy of cancer of thyroid gland, 25:24275
MAKHON'KO, E. P. Washout of radioactive isotopes and chemical compounds from the atmosphere, 23:17608
MAKHON'KO, K. P. Conference on radioactivity of the atmosphere, Obninsk, USSR, 7—8/68, 25:57576
  Deposition of radioactive dust and its elimination from the atmosphere by precipitation, 23:19861 (A-AC-82/G/L-1262)
  Deposition of radioactive dust and its elimination from the atmosphere by precipitation, 24:11699 (AEC-tr-7128, pp 79-111)
  Diurnal concentration changes of long-lived radon decay products in near-ground air layer, 23:17599
  Levels of radioactive contamination of ground-level atmospheric air and of Earth's surface from products of nuclear explosions, 22:21195 (A-AC-82/G/L-1201)
  Model for capture of radioactivity by precipitation, 24:41445
  Radioactivity of raindrops, 24:48185
  Self-scavenging of troposphere from fission products and vertical turbulent diffusion in higher troposphere, 23:17595
  Soviet studies in the nuclear meteorology, 24:36415
  Variation of fission product concentration in near-ground air layer in days with precipitation, 23:17615
  Washout of radioactive isotopes and chemical compounds from the atmosphere, 23:17608
  Works of the soviet scientists in nuclear meteorology, 24:39081
MAKHOV, V. I. Adsorption of Ba on a (110) face of Mo single crystal, 25:13701
  Structure and work function of films of gadolinium on molybdenum, 25:13700
  Structure and work function of La films on a (110) Mo single crystal surface, 25:13702
  Structure and work function of Lu films on (110) face of Mo single crystal, 25:40799
MAKHOVA, N. N. Methods of concentration and determination of Co, Ni, Cu, Zn, Cd, Hg, and U in agrochemical, biogeochemical, and biological investigations, 22:4057
MAKHOVA, V. A. Composition of the carbide phase in alloys of uranium with zirconium and niobium, 25:55547
MAKHROV, V. F. Low-frequency waves in a d-c plasma discharge, 23:36749
MAKHUNKA, I. Collector system of an isotope separator for investigating short-lived isotopes, 25:56584 (JINR-P6-5888)
  Investigation of α spectra of Bi isotopes, 21:44688
  New Hg isotopes, 21:1076 (JINR-P-2907)
MAKI, A. Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
MAKI, Arthur G. Rotational constants for HCN and DCN, 25:57423
MAKI, E. Roland Magnetohydrodynamic thrust bearing, 22:218
MAKI, Hiroshi Research activities at Hiroshima and Nagasaki branch laboratories, 22:8579
MAKI, Hirotoshi Radioactive dust in air at KUR operation, 23:40391 (KURRI-TR-56)
MAKI, K. Abrikosov's structure stable, 22:50102
  Apparent two energy gaps in pure niobium, 25:40548
  Breakdown of the mean field theory in the superconducting transition region, 25:1116
  Bulk effects in superfluid helium. II, 23:30460
  Fluctuation effects in zero dimensional superconductors, 24:32763
  Fluctuations of the order parameter in small superconducting samples, 25:14167
  Heat flow between normal and superconducting regions, 21:2171
  Linear response theory and time-dependent Ginzburg—Landau equations, 25:17101
  Proximity effect in superconducting contacts by electron tunnelling, 21:25072
  Thermal conductivity and ultrasonic attenuation in clean Type-II superconductors, 25:40528
MAKI, Kazumi Anisotropy in tunneling density of states in pure type-II superconductors, 21:29179
  Anomalous scattering by magnetic impurities in superconductors, 21:13512
  Anomalous scattering due to magnetic impurities in gapless superconductor, 23:27546
  Bound states in a superconductor containing a magnetic impurity, 25:11841
  Collective fluctuations of the order parameter in superconducting surface sheath, 22:39030
  Conditions for bound states in a superconductor with a magnetic impurity, 22:7252
  Conditions for bound states in superconductor with magnetic impurity. II, 24:19857
  Critical fluctuation of order parameter in type-II superconductors, 22:38996
  Critical fluctuation of order parameter in superconductor. I, 22:52696
  Dynamical fluctuation of order parameter and diamagnetism of superconductors. I, 25:58945
  Electromagnetic response of surface superconducting sheath in an inclined magnetic field, 25:17097
  Fluctuations in high-field superconductors, 24:47180
  Fluctuations of order parameter in type-II superconductors. I, 21:37375
  Fluctuations of order parameter in type-II superconductors. II, 21:37376
  Fluctuations of the order parameter in type-II superconductors, 23:51542
  Gapless superconductivity, 23:27566
  Hall effect in dirty type-II superconductors, 24:5100
  Helicon modes in pure type-II superconductors in high-field region, 21:20881
  High-frequency surface impedance of dirty type-II superconductors in surface—sheath regime, 23:10594
  Higher order effects due to superconducting fluctuation on electrical conductivity, 25:58930
  Microwave response of superconducting thin films in magnetic fields, 25:40535
  Motion of vortex lattice in dirty type-II superconductor, 23:36616
  Motion of vortex lattice in pure type II superconductor, 24:45175
  Motion of vortex structure in type-II superconductors in high magnetic field, 22:7238
  Nonlinear field dependence of electric conductivity above the superconducting transition, 25:40559
  Nonlinear responses in type-II superconductors. I, 25:1118
  Paraconductivity in type-II superconductors, 24:5147
  Resistive states in high-field type-II superconductors, 22:29422
  Surface impedance as evidence for fluctuations of superconducting order parameter, 23:48869
  Surface impedance of dirty type-II superconductors in vortex state, 24:26105
  Surface resistance in vortex state of Type-II superconductors, 25:1119
  Theory of superconducting contacts, 21:9484
  Thermal conductivity of pure type-II superconductors in high magnetic fields, 21:33306
  Thermal conductivity of pure Type-II superconductors in the mixed state, 23:23054
  Thermomagnetic effect above the superconducting transition, 25:40556
  Thermomagnetic effects in dirty Type-II superconductors, 23:8547
  Time-dependent Ginzburg—Landau equations for strong-coupling superconductors, 23:34347
  Transport properties of clean Type-II superconductors in flux-flow regime, 25:40529
  Ultrasonic attenuation in a pure type-II superconductor near H/sub c2/, 21:9490
  Vortex motion in superconductors containing magnetic impurities, 25:22462
  Vortex motion in type-I superconductors, 24:3281
MAKI, Kiyoshi Ash content meter using radiation, 24:31750
MAKI, Koichi p—p scattering matrix in the GeV-energy region. III, 25:41025
MAKI, L. SNAP-2 Developmental Reactor Mockup No. 1, 22:37517 (NAA-SR-12186)
MAKI, L. M. Adaptation of nuclear space power plants to marine applications, 21:42788
  Reference zirconium hydride reactor, 25:57132 (AI-AEC-Memo-12715(Del.))
  Reference ZrH reactor, 23:37663
MAKI, Takashi Reaction ^{15}N(p,α)^{12}C in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
MAKI, Ziro Investigation on the models of elementary particles and the breaking of symmetry, 24:49445
  Mass term of sub-hadronic systems, 22:17939
  Mixing effect between particles and resonances, 21:46544
  Note on the PCAC relation, 21:17178
  Possible C-nonconserving interactions and models of elementary particles, 21:13703
  $\pi^0 \rightarrow 2\gamma$ decays in relativistic composite models, 25:40918
MAKIDONO, Jun Radiotherapy and the immunochemical reaction to cancer, 21:18112
  Serum proteins of atomic bomb survivors, 22:6839
MAKIEDONSKA, A. Influence of gamma rays on growth and some enzymatic functions of Streptococcus lactis, 22:40567
MAKIEDONSKA, Alina Itaconic and itatartaric acid formation by uv- and gamma-irradiated isolates of A. terreus NRRL, 22:23499
MAKIEJ, B. Distribution of current in resistive state of Type-II superconductor, 25:7343
  Distribution of magnetic induction in type-II current-carrying superconductor, 22:34556
  Magnetic properties of superconducting indium—lead alloys, 22:52706
  Non-Londonean resistance jump in superconducting indium, 22:34551
MAKIEJ, Boleslaw Mechanism of superconductivity, 25:27661
MAKIHARA, Kenji Radioactive contamination of the ocean, 24:9625
MAKIHIRA, Tsuneichi High density theta-pinch plasma pre-ionized by shock wave, 25:59056
  Transition from three-body to dissociative electron—ion recombination in Ar plasma, 24:40074
MAKIN, J. E. Digital computer application to advanced gas-cooled reactor systems, 24:24690
  Digital computer application to advanced gas-cooled reactor systems, 24:47692
  Hinkley Point B: station control and instrumentation, 22:46968
MAKIN, M. J. Conference on nature of small defect clusters, Harwell, 7/66, 21:4951 (AERE-R-5269(Vol.2))
  Conference on nature of small defect clusters, Harwell, 7/66, 21:4950 (AERE-R-5269(Vol.1))
  Electron displacement damage in copper and aluminium in a high voltage electron microscope, 22:52223
  Mechanism of slip band growth in irradiated crystals, 24:26312
  Obstacles responsible for the hardening of neutron-irradiated copper crystals, 23:6708
  Orientation dependence of defect cluster formation in copper during electron irradiation, 24:42801
  Production of voids in Cu by electron irradiation in 1 mV electron microscope, 25:58327
  Radiation damage in face centered cubic metals and alloys, 22:21745
  Theory of image contrast in electron microscopes, 22:10116 (AERE-R-5571)
MAKIN, Myer Treatment of chronic synovial effusions, 23:20273
MAKINEN, Y. Cytotoxic effects of extracts from gamma-irradiated pineapples, 21:22797
  Post-irradiation storage recovery of pineapple fruits from induced cytotoxicity, 23:10142 (UH-235-P-5-3, pp 105-14)
MAKINO, Akila Optimal control of a nuclear reactor system with distributed parameters. I, 24:36082
MAKINO, Akira Transfer function from reactor noise, 23:2119
MAKINO, F. Effect of scattered photons on spectrum of diffuse x rays observed at balloon altitude, 25:1030
  Observation of cosmic soft X rays, 25:58548
MAKINO, Fumiyoshi Balloon observation of CygX-1 and isotropic component of x rays, 24:1189
  Modified Pound—Watkins type NMR spectrometer at 100 Mc region, 22:33695
  Observation of cosmic gamma rays, 25:33090
  Proportional counter for cosmic soft x-ray measurement, 24:33903
MAKINO, Isao Isotope dependence in K, L, and M shell ionization cross sections by ^{3}He^{+} and ^{4}He^{+} bombardments, 25:58776
  Isotope dependence in K-, L-, and M-shell ionization cross sections by proton and deuteron bombardments, 25:19470
  Thick-target yields of characteristic x rays by p, d, ^{3}He^{+}, and ^{4}He^{+} bombardments, 25:13962
MAKINO, Kakuji Approximations for exponential integral functions E/sub n/(n = 1,2,3,4), 22:1290
  Calculation of reactivity worth of a control rod array, 23:31241
  Calculation of the cruciform control rod worth, 23:2122
  Few group diffusion calculations of a light water moderated lattice, 21:2879
  Monoenergic neutron leakage from one-dimensional small systems, 21:17273

  - Rational approximations for the Bickley functions K/sub in/(n = 1, 2, 3, 4, 5), 21:35518
- MAKINO, Kiyoshi Control of the off-gases and its problems in JPDR, 22:14158
  - Detection of failed fuel at JPDR, 22:16152 (JAERI-1147)
- MAKINO, M. Effect of nuclear reactions in the response of stacked silicon detectors, 24:29510
  - Method for reducing the effect of nuclear reactions in stopping detectors, 24:29521
  - Proton hole states in 1f/sub 7/2/ nuclei, 25:3616
- MAKINO, M. Q. Nuclear reaction efficiency correction for silicon and germanium detectors, 22:14796
- MAKINO, Motoji Yttrium-89(p,2p)^{88}Sr angular correlation measurements at 46 MeV, 23:37143
- MAKINO, Motoji Quincy Measurements of the energy dependence of the proton total reaction cross sections of carbon and optical model analyses of proton—carbon elastic scattering, 22:18152
- MAKINO, Munetsugu Characteristics of sintered U dioxide fuel. I, 23:30136
- MAKINO, Nobuhide Submerged kojic acid fermentation by γ-irradiated strain of Aspergillus oryzae, 23:7988
- MAKINO, Soji Method for producing sintered nuclear fuel, 23:1024
- MAKINO, Sumio Development of telecobalt therapy unit with a new collimation device for conformation radiotherapy. XVI, 21:26473
  - Irradiation device, 23:9625
  - Some characteristics of medical betatrons, 21:9893
- MAKINODAN, T. Further characterization of the lymphoid cell transfer system, 23:7960
  - Immunologic competence in germfree and conventional mice, 22:19278
  - In vitro antibody synthesis by diffusion chamber cultures of spleen cells. I, 23:26706
  - In vitro antibody synthesis by diffusion chamber cultures of spleen cells. I, 23:29414
  - Presence of life-shortening factors in spleens of aged mice of long lifespan and extension of life expectancy by splenectomy, 24:48439
  - Radiosensitivity of immunologically competent cells, 24:48446
  - Regenerative potential of immunocompetent cells. I, 22:10682
  - Suppression of immunologic responses, 21:6461
- MAKINODAN, Takashi Growth and senescence of antibody-forming cells, 21:18175
- MAKIOLA, Klaus Evaluation of dosimeter films for radiation protection supervision, 23:38607
  - Filter analysis for determination of personal dose with film badges, 21:20213
- MAKIOS, W. Fast-acting electromagnetic gas-inlet valves, 22:2266 (IPP-1/68)
  - Matching transitions between waveguides and Lecher wires in 3cm region, 21:35147 (IPP-3/53)
  - Microwave measurements of electron density and collision frequency in electromagnetically produced shock waves, 21:20940
  - Transmission and reflection behavior of electromagnetic waves at millimeter wavelengths in homogeneous plasma sheaths, 21:20979
- MAKIS, J. Mutagenic effect of uv light on actinomycetes antibiotically active against Cryptococcus neoformans, 22:12828
- MAKISHIMA, Shoji Polymerization of coordinated monomers. I, 23:35148
- MAKITA, Mitsugu Green TiO band in sunspot spectrum, 22:29097
- MAKITA, T. Compressibility and thermal properties of organic liquids at high pressures, 24:26900 (UCRL-Trans-10461)
  - Photoelectron spectra of ethylene and ethylene-d$_4$, 24:22657
  - Velocity of ultrasonic waves in highly compressed fluids. III, 24:26901 (UCRL-Trans-10462)
- MAKITA, Yasuharu Thermal expansion in Na(H/sub 1-x/D/sub x/)$_3$(SeO$_3$)$_2$ and isotope effect, 24:33675
- MAKITA, Yukitoshi Determination of traces of fluoride in Ta, 23:24083
- MAKIURA, Ryutaro Japan Materials Testing Reactor, 24:43824
- MAKKAVEEVA, M. Yu. Changes in rat organs after injection of colloidal ^{90}Y and ^{198}Au, 24:48704
- MAKKENCHERY, Suresh Improved pressurizer model with bubble rise, 24:36030
- MAKLACHKO, A. G. Phase diagram of condensed state of BaF$_2$—YF$_3$ system, 24:17387
- MAKLAD, M. Gamma induced coloration in relation to structural changes in glass, 21:40100
  - Radiation-induced optical absorption in lead borate glasses in relation to structure changes, 21:14263
- MAKLAD, M. S. Gamma-induced absorption bands in potassium borate glasses, 22:4917
- MAKOFSKE, W. Analysis of proton elastic scattering using potentials derived from nucleon density distributions and two body potentials, 24:1779 (COO-1265-81)
  - Elastic and inelastic proton scattering from even isotopes of Cd, Sn, and Te, 22:53196
  - Elastic and inelastic proton scattering from heavy collective nuclei, 25:43901
  - Elastic scattering of 30.3-MeV polarized protons from ^{40}Ca, ^{54}Fe, and ^{59}Co, 25:34016
  - Elastic scattering of polarized protons from ^{58}Ni, ^{120}Sn, and ^{208}Pb, 25:3636
  - Proton elastic scattering, 24:38346
  - Proton scattering (16-MeV) from even tin isotopes, 22:27203
  - Proton scattering from even samarium isotopes, 21:23523
  - Scattering of 16-MeV protons from even tin isotopes, 21:44717
- MAKOFSKE, William Joseph Proton scattering from even Sn, Cd, and Te isotopes, 23:7323
- MAKOGON, M. B. Mechanical properties of ordered Mg$_3$Cd, 24:10068
  - Ordering processes in MgCd and mechanical properties, 24:10105
- MAKOGONOVA, L. N. Determination of tantalum in metallic niobium, 23:49706
- MAKOLSKA, J. Correlation between some ^{131}I tests of thyroid function, 23:50709
- MAKOSA, D. Numerical solution of a non-linear parabolic equation, 24:3414 (INR-1099)
  - Numerical studies of a nonlinear effect in plasma, 24:26207
- MAKOSKY, L. M. Behaviour of deuterated polyethylene targets enclosed in carbon layers, 24:3817
- MAKOSOV, V. V. Study of melting in salt systems containing uranium trichloride, 24:44021
- MAKOUS, W. L. Effects of lasers on the human eye, 22:40866
- MAKOV, B. N. Cyclotron ion source for the generation of N^{3+}, 21:7592 (ANL-Trans-413)
  - Method of the regulation of the introduction of the substance to be evaporated into the ion source, 22:43924
  - Plasma potential measurement, 25:58992
- MAKOV, N. N. Extraction of mixtures of radioactive isotopes with natural naphthenic acid, 22:35904
  - Extraction of small quantities of strontium and yttrium by naphthenic acids, 22:6379
- MAKOVEC, M. Crystal structure of thorium carbohydrides. I, 24:32511
  - Crystal structure of thorium carbohydrides. II, 25:774
- MAKOVEC, Marijan Development of hot-pressing technique for compacting high temperature nuclear fuel elements of UC-type, 22:52240
- MAKOVEEV, E. A. Investigation of radiation stability of some partially hydrogenated polyphenyls, 22:42770
- MAKOVETSKII, I. V. Creep and strength at elevated temperatures of VN-2 alloy, 25:24588
- MAKOVETS'KII, M. I. Effect of ionizing radiation on hemoglobin structure in rats, 24:14419
- MAKOVETSKII, N. I. Hemoglobin of rats with radiation sickness, 24:48432
  - Rat hemoglobin in acute radiation sickness, 24:48427
- MAKOVSKI, E. Quantitative measurement of maritime sediment movement using radioactive tracers, 22:19060
  - Radiometric method of seepage control in dams and their environs, 22:19072
- MAKOVSKI, L. L. Preparation of stable counters by means of compensating germanium with radiation produced structural defects, 22:40386
- MAKOVSKII, L. L. Electron detection by semiconductor counters, 22:45301
  - Influence of carrier capture on resolution of semiconductor radiation counters, 22:40395
  - Plasma effects in semiconductor particle detectors. I, 25:6550
  - Principle of formation of amplitude spectra in semiconductor nuclear radiation counters, 25:34911
- MAKOWSKA, E. Fission-like disintegrations of medium-mass nuclei induced by high-energy protons, 22:9850 (INR-P-827/VI/PH)
  - Fission-like disintegrations of medium-mass nuclei induced by high energy protons, 22:20126
- MAKOWSKA-RZESZUTKO, M. Computation of differential cross-section for knock-out reaction, 22:3748 (INP-545/PL)
  - Models of the elastic scattering of alpha particles, 25:38877 (INP-735)
- MAKOWSKI, B. Charged rho production in association with Δ^0 in π^{+-} interactions, 23:3654
  - Evidence of neutral F$_1$ production in antipp annihilations at 1.1 to 1.2 GeV/c, 25:22671
  - Observations of nucleon isobars in reaction $\pi^- n \longrightarrow [p\pi^-]\ \pi^-\ \pi^0$ at 5 GeV/c, 22:29633
  - Proposal for a real-time processing of post kinematics data, 21:41248
  - Spin and parity of D*-meson, 25:33540
  - Utilization of an on-line-measuring system, 21:41244
- MAKOWSKI, Edgar L. Growth of uterine, placental and fetal vasculature, 25:4655 (COO-1762-6)
  - Prog. rpt. on growth of uterine and placental vasculature, 9/69, 23:45625 (COO-1762-4)
- MAKOWSKI, Hipolit Preparation of ^{141}Ce and ^{143}Pr, 25:46534
- MAKRA, S. Biological irradiating facility at Hungarian WWR-SM reactor, 24:33826 (KFKI-70-5-HP)
  - Calculations of dose fractions of slow, intermediate, and fast neutrons behind different shields, as well as readings of selected dosimeters, 25:57858
  - Dose rate equivalents of intermediate-energy neutrons in environment of WWR-S reactor, 22:6130
  - Dosimetry for a biological irradiation facility at a thermal reactor, 25:52077
  - Irradiation facilities for gamma and neutron dose calibration, 21:26466
  - Neutron average energies, 24:49680 (KFKI-70-6)
  - Neutron transmission through multilayer shields, 23:20974 (NP-17789)
- MAKRA, Z. Dose rates of neutrons and gamma rays near the biological shield of VVR-S reactor, 23:19528 (NP-17788)
- MAKRA, Zsigmond Current sources supplied by radionuclides, 22:19051
  - Dose-equivalent rates of neutrons and gamma rays in environment of WWR—SM reactor, 23:21523
  - Dosimetric investigation of the ZR-2 and WWR-S type reactors, 21:19488
  - Equipment for the production of gamma-ray beams, 21:26426
  - Graphite prism for applied neutron physical measurements, 23:9811
  - Graphite prism for applied neutron physical measurements, 23:19120 (NP-17787)
  - Safety and radiation protection problems of nuclear power sources used in space research, 21:4404
  - Uniform-sensitivity neutron-flux counters based on neutron moderation, 22:28118
- MAKRANCZY, T. A. Logic design and interface of Lincoln Wand System, 23:26142 (UCLA-10-P-14-71)
- MAKRYGIN, A. M. Radar observations of auroras at Yakutsk, 21:24991
- MAKSAKOV, B. I. Thermographic investigation of binary systems on the base of alkali earth and rare earth fluorides, 22:45081
- MAKSHANTSEV, B. I. Kinetics of radical accumulation in solid polymer substances on irradiation, 24:13960
- MAKSIMENKO, A. A. Pharmacology of the indol and benzofuran derivatives, 25:44833
- MAKSIMENKO, A. S. Role of the thymus in the fate of the allogenic bone marrow transplanted to dogs irradiated with a dose of 1000 R, 22:31266
- MAKSIMENKO, B. P. Detection of electrons by surface-barrier silicon detectors, 24:19231
  - Operation of surface-barrier silicon detectors under 10 to 70 keV proton irradiation, 23:26518
  - Recording of 10 to 100 keV electrons with surface-barrier silicon counters, 25:8524
- MAKSIMENKO, E. A. Structural changes produced by oxidation of Cr—Y alloys, 23:8124
- MAKSIMENKO, N. V. Analytical properties of amplitude of Compton effect on deuteron, 25:50096
  - Double dispersion relations for amplitude of deuteron Compton effect, 25:53094
  - Industrial hygiene problems of working around ultrashort-wave transmitters used in television and broadcasting, 22:28695
  - One-meson photoproduction energy region of second resonance, 24:40300
- MAKSIMENKO, O. I. Drift of ionization inhomogeneities in F region of ionosphere over Ashkhabad, 24:17785
  - Measurement of the latitudinal pattern of scintillations of satellite signals, 22:48025
- MAKSIMENKO, V. A. Possible existence of the $\pi^-\gamma$ resonance at 270 MeV, 25:50065 (JINR-P1-5874)
- MAKSIMENKO, V. I. Internal friction in beryllium cermet, 22:26086
- MAKSIMENKO, V. M. Characteristics of inelastic nuclear interactions of cosmic-ray particles at 10^{11} to 10^{13} eV, 24:21931
  - Comparison of experimental data on showers having energies of several hundred GeV with simulated showers calculated by Monte-Carlo method, 22:46361
  - Kinematics of nuclear reactions, 23:21405
  - Production of isobars in nuclear interactions of protons at approximately 20 GeV energies, 22:44321
- MAKSIMENKO, V. N. Correction to the variational calculation of ground state energy ^{3}H, 24:38077 (ITF-70-25)
  - Correction to variation calculation of binding energy ^{16}O, 24:13278 (ITF-69-74)
  - Correlation effect in ^{4}He and ^{16}O, 25:38861 (ITF-71-1-E)
  - Dependence of coupling energy of three- and four-particle systems on the parameters of pair potential, 23:19140 (ITF-68-68)
  - Perturbation theory of variation of binding energy of ^{3}H and ^{4}He, 25:14883
  - Saturation for interaction with a hard core, 25:43787
  - Saturation for the interaction with hard core, 25:22959 (ITF-70-67-E)
  - Second-order correction of perturbation theory to variational binding energy ^{3}H and ^{4}He, 24:6822 (ITF-69-51)
  - Variational calculations of the binding energy and dimensions of light nuclei, 25:45914 (ITF-71-20-P)
- MAKSIMOV, A. I. Behavior of a superhigh-frequency discharge near the plasma resonance, 21:18715
  - Electron concentration and energy in a superhigh frequency helium discharge, 21:18647
  - Excitation and ionization processes in a helium microwave discharge plasma, 24:10532
- MAKSIMOV, A. M. Magnetohydrodynamic pulse generator with a superconducting magnetic system, 22:17441
  - Nonequilibrium ionization of plasma induced by magnetic fields, 22:52578
  - Study of the structure of the luminescence front in an electromagnetic shock tube, 21:5307
  - Volt—ampere characteristics of Ar plasma behind a shock wave, 25:7385
- MAKSIMOV, D. I. Determination of O in metals by the isotope-dilution method. I, 25:48452
- MAKSIMOV, E. G. Critical temperature of superconducting transition in non-ideal crystals, 23:36633
  - Determination of the electron—phonon coupling constant from optical measurements, 25:52757
  - Influence of crystal defects on the critical superconductivity transition temperature, 24:8400
  - Thermodynamic behavior of thin superconducting films, 21:25078
- MAKSIMOV, G. P. Attenuation of a magnetosonic wave in a turbulent plasma, 23:34479
  - Importance of symmetry in helical magnetic fields, 23:5376
  - Necessity of making an allowance for the symmetry of helical magnetic fields, 22:31786 (IAE-1259)
  - Titanium-hydride injector, 25:47557
- MAKSIMOV, I. L. Gamma irradiation of wheat, 24:34753
- MAKSIMOV, I. N. Radiochemical determination of specific activity of antimony in different objects, 24:38760
- MAKSIMOV, I. V. Effect of solar activity on processes in Earth's atmosphere, 23:20763
- MAKSIMOV, M. Investigation of γ-radiation defects in high-purity Ge, 25:22625
  - Studies of γ-radiation defects in high-purity germanium, 25:1275
- MAKSIMOV, M. Z. Calculation of cross sections and yields of nuclear reactions for average and high energies and bremsstrahlung of charged particles in matter, 21:35502 (NP-16777)

MAKSIMOV, S. P. Experimental research into the kinetics of air sorption in nitrogen-cooled ultrahigh-vacuum sorption pumps, 22:33626 (IAE-1300)
MAKSIMOV, V. A. Investigation of W—Si systems, 24:6208
Phase diagram of W—Ti—Si, 24:21388
Properties of titanium—tungsten—silicon systems, 24:48898
MAKSIMOV, V. I. Ability of γ-irradiated lysozyme to undergo aggregation, 22:23420
Activity of γ-irradiated lysozyme, 22:43230
Aggregation mechanism of γ-irradiated lysozyme, 22:43228
Chromatography of native and γ-irradiated lysozymes on dense gels, 24:22759
Gamma-irradiated ribonuclease by method of gel filtration, 22:33738
Hydrodynamic size of γ-irradiated lysozyme, 23:22224
Suppression of the tendency of γ-irradiated lysozyme for aggregation after treatment with mercaptoethylamine, 24:9732
MAKSIMOV, V. M. Breakdown of the invariance symmetry of the vacuum in quantum field theory, 25:22878
MAKSIMOV, Yu. A. Interaction of compounds Nb_3Al and Mo_3Al, 22:38573
Properties of Ti—V and Ti—V—Al alloys with O, 25:55471
Superconducitivity in Nb_3Al—Mo_3Al system, 22:19915
MAKSIMOV, Yu. S. High-impedance silicon semiconductor counters for charged particles, 21:295
Surface-barrier counters of alpha particles made of P-type Si, 22:14805
Surface-barrier p-type silicon counters for α particles, 22:19124
Thin-window lithium-drifted detector for spectrometry of medium-energy beta particles, 22:47368
MAKSIMOV, Yu. V. Chemical action of laser radiation on acetylene, 25:4070
MAKSIMOVA, A. M. Concentration of ^{90}Sr and ^{137}Cs in waters of Atlantic Ocean and seas, 3—6/64, 22:18994 (A-AC-82/G/L-1168)
Determination of ^{90}Sr content in Black Sea, 21:8477 (AEC-tr-6641, pp 59-63)
Determination of stability constants of complexes of Am and Cm with EDTA by electromigration method, 22:27683
Investigation of complex formation of Ce(III), Am(III), Cm(III), with 1,2-diamincyclohexanetetraacetic acid by electromigration method, 22:27686
MAKSIMOVA, E. P. Application of plan B for study of extraction process for separation of Zr and Hf, 23:28971
MAKSIMOVA, O. P. Characteristics of the variations of the explosive effect in martensitic transformation, 25:34482 (SCL-T-70-250)
MAKSIMOVA, V. N. Polarographic methods of determining molybdenum, 25:44328
MAKSIMOVIC, M. Effect of ^{60}Co irradiation of male pupae of the gypsy moth, 25:29616
MAKSIMOVIC, Z. Nuclear fuel burn-up in irradiated UO_2, 24:22600
MAKSIMOVIC, Z. B. Solvent extraction of Np(V) and some fission products, 25:44437
Solvent extraction of some metals by mixtures of tributyl phosphate with alkylammonium nitrates, 23:35312
MAKSIMOVIC, Zoran Extraction of alkali metals with polar organic solvents, 24:9476
MAKSIMOVICH, N. A. Influenza in irradiated and immunized mice, treated with marrow, 21:8975
MAKSIMOVSKII, Yu. M. Study of zinc distribution in the hard tissue of teeth by neutron-activation analysis, 25:61
MAKSIMYCHEVA, Z. T. Fluorescence determination of copper, 25:28928
MAKSIN, Yu. A. Equipping of hydraulic presses with a radioisotope device for automatic control, 23:29248
MAKSIUTENKO, B. P. Delayed neutrons and charge distribution in fission, 24:15869 (LA-tr-69-3(Draft))
MAKSUDOV, U. Radioactivity of grain: leguminous plants, 24:6018
Radioactivity of vegetables, 22:43326
MAKSUMOV, M. N. Absolute and convective instability in gravitating systems, 22:13103
Character of the peculiar-velocity distribution in differentially rotating stellar systems, 25:6945
Collective processes in bounded gravitating systems, 22:36591
Critical wavelength in a system of stars and interstellar gas, 21:33083
MAKSYMOWICZ, A. Proposal for determining the induced pseudoscalar coupling constant, 21:21182
MAKSYMOWICZ, Alexander K/sub e4/ decay and π—π scattering, 22:17911 (NYO-3829-14)
K/sub e4/ decay and π—π scattering, 22:39385
MAKSYMOWYCH, R. Incorporation of ^{3}H-thymidine into nuclear DNA of leaf cells, 21:41357
MAKSYUTENKO, B. P. Delayed neutrons from nuclear fission, 24:30773
Delayed neutrons from U isotopes, ^{232}Th, and ^{239}Pu, 24:30772
Delayed neutrons in fission of ^{232}Th, ^{235}U, and ^{238}U, 21:40433 (LA-tr-67-16)
Fractional yields of delayed neutrons at ^{235}U fission by neutrons with energies of 5.5 to 7.3 MeV, 21:40445
Fractional yields of delayed neutron groups following fission of ^{238}U by 18 to 21 MeV neutrons, 22:24869
Reaction (n,nf) and yield of retarded neutrons from ^{232}Th, 21:21562
Reaction n,nf and delayed neutron yields, 21:15604
Variations of cumulative yield of fragments of precursors of delayed neutrons of ^{232}Th, 25:53739 (FEI-195)
Variations of ratios of fragment yields preceding retarded neutrons in fission of ^{239}Pu and ^{235}U by neutrons with energies 18 to 21 MeV, 25:34134
MAKUKHA, V. I. Investigation of ternary W—Mo—Re alloy with electron and ion projectors, 21:31017
MAKUNIN, M. S. Combined solubility of tungsten and boron in molybdenum, 23:10219
Concerning the combined solid-state solubility of tungsten and boron in molybdenum, 23:10227
MAKUSHEVA, V. P. Comparative effects of penetrating radiation on the cholinergic and adrenergic structures of the brain stem, 22:23621
MAKYAGIN, V. S. Diffuse radiation of Galaxy in far uv, 25:58638
MAKYKHIN, V. M. Case of radiation sickness from internal contamination, 23:12228 (CEA-tr-R-1909)
MALABY, K. L. In-place testing of charcoal filter banks at Ames research reactor (ALRR), 21:1207 (IS-1425)
In-place testing of charcoal filter banks at Ames Laboratory Research Reactor (ALRR), 21:32010 (CONF-660904-Vol.1 and 2, pp 1063-8)
MALACHOWSKA, N. Use of radioactive isotopes in the pulp and paper industry, 23:9659
MALACINSKI, George M. Instrument for slicing and handling radioactive polyacrylamide gels, 25:35056
MALACZYNSKI, G. Double electrostatic probes for flame diagnostics, 22:13446
Electrogasdynamic flow in ducts, 25:30339
Ion oscillations in EGD flow in channels, 25:4996
Two-dimensional stationary ion density and electric field distribution in linearized electrogasdynamic channel flow, 23:14668
MALACZYNSKI, Gerard Electrogasdynamic flows in ducts, 24:21646
MALAEV, S. M. Accumulation of F centers in x-irradiated KCl fiber crystals, 22:41684
MALAISE, E. Application of radiobiologic knowledge and cellular kinetics to radiation therapy, 22:31131
Effect of irradiation on the kinetics of cellular proliferation, 24:12258
Extrapolation to man of the doses required for radiotherapy, 24:853
Influence of cell proliferation in tumours and normal tissues during fractionated radiotherapy, 25:52163
MALAISE, E. P. Irradiation of tonsillar epithelioma with 22 MeV photons or 21 MeV electrons, 22:51702
MALAISE, Edmond Kinetics of the cellular proliferation of two human tumors studied by means of the injection of tritiated thymidine, 21:30784
MALAISSE, W. J. Stimulus-secretion coupling of glucose-induced insulin release. IV, 25:44757
MALAISSE, Willy J. Effect of epinephrine on ^{45}Ca uptake by Langerhans, 24:31830
MALAISSE-LAGAE, F. Stimulus-secretion coupling of glucose-induced insulin release. IV, 25:44757
MALAISSE-LAGAE, Francine Effect of epinephrine on ^{45}Ca uptake by Langerhans, 24:31830
MALAK, Joann Cardiac scans with ^{131}Cs, 21:24511
MALAKHOF, V. Lumped burnable poison rods for PSC core, 23:21417 (GAMD-9187)
Power distribution in 330 Mw HTGR initial core, 21:4376 (GAMD-6651)
SCANAL: single channel synthesis depletion code with triangular mesh in horizontal plane, 23:49654 (GA-9423)
Summary of nuclear criticality safety for the Fort St. Vrain HTGR fuel, 25:48133 (GAMD-10493)
MALAKHOV, A. N. Fine structure of the spectrum of synchrotron radiation, 24:5224
MALAKHOV, I. Ya. Determination of the location of the focal surface in a wide-range magnetic spectrograph, 23:41056
Determination of the partial thicknesses of multicomponent targets, 23:46890
Inelastic proton scattering by ^{22}Ne nuclei, 21:44622
Preparation of fine beryllium and carbon films, 21:1877
MALAKHOV, N. P. An injector of fast hydrogen atoms, 21:27119 (UCRL-Trans-1262)
MALAKHOV, S. G. Balance and removal rate of ^{90}Sr from the atmosphere, 23:17593
Cadmium-109 fallout in certain points of the Soviet Union, 1964—66, 22:4283
Cadmium-109 in surface air and fallout in Soviet Union, 25:15779 (AEC-tr-7214, pp 62-9)
Characteristics of washout of ^{32}P aerosol injected into cloud, 24:7525 (UCRL-Trans-10404)
Comparative analysis of global fallout of nuclear explosion products in oceans and continents, 21:34654 (NP-16517)
Concentrations of ^{109}Cd in ground-level atmospheric air and of fall-out in various points of Soviet Union, 1964—66, 22:18946 (A-AC-82/G/L-1198)
Diurnal concentration changes of long-lived radon decay products in near-ground air layer, 23:17599
Diurnal variations of radon and thoron decay product concentrations in the surface layer of the atmosphere and their washout by precipitations, 21:6077
Fallout by the precipitation of fission products from the subcloud level of the atmosphere, 22:23171
Investigation of the radioactive aerosol distribution over oceans and some problems of the latitudinal exchange in the tropical zone, 21:6051
Latitudinal and seasonal change of radioactive aerosol removal from the lower troposphere, 23:17592
Levels of radioactive contamination of ground-level atmospheric air and of Earth's surface from products of nuclear explosions, 22:21195 (A-AC-82/G/L-1201)
Peculiarities of various dispersion aerosol washout from near-ground air layer due to nuclear explosions, 23:17607
Radioactive aerosol distribution in the middle and upper troposhere over the USSR in 1963—1968, 24:41442
Radioactive isotopes in atmosphere and their use in meteorology, 21:36150 (AEC-tr-6711)
Radon concentration and vertical turbulent mixing in the lowest atmospheric layer, 23:44230 (AD-679719)
Size distribution of radioactive particles from nuclear weapon tests and their transport in the atmosphere, 21:6055
Some peculiarities of fission product concentration distributions over oceans in the tropical zone and their connection with atmospheric processes, 24:41449
Soviet studies in the nuclear meteorology, 24:36415
Strontium-90 fallout distribution at middle latitudes of the northern and southern hemispheres and its relation to precipitation, 24:41444
Tungsten isotopes in fresh radioactive fallout in Dec. 1968, 25:51635
Variations of radon and thoron in the atmosphere, 22:4285
Washout characteristics of ^{32}P aerosols injected into clouds, 23:17618
Works of the soviet scientists in nuclear meteorology, 24:39081
MALAKHOV, S. S. Nomogram for determining the number of separators in the combination of radiometric lump and batch separation of radioactive ores, 25:54847
MALAKHOV, V. P. Excitation of helium—krypton mixture, 21:29210
MALAKHOV, V. V. Chemico—spectral method of analyzing high-purity Sb, 23:24071
Steady-state regime of self-excitation in asynchronous liquid-metal MHD generator, 25:40427
MALAKHOV, Ya. S. Regularities in the thermal properties of various oxides, 21:22919
MALAKHOVA, I. G. Hydrogen—deuterium exchange in ortho- and meta-barenes, 21:3035
MALAKHOVA, L. I. Radiation polymerization for production of polymers of isotactic structure, 23:21758
Stereospecificity of radiation acrylonitrile polymerization from gaseous phase on polyethylene, 24:4333
MALAKHOVA, T. O. Transition temperature in systems Zr—V and Zr—V—Nb, 25:36042
MALAKHOVSKII, V. N. Effects of fractionated γ irradiation, 24:7991
Experiment on chronic γ-irradiation of rats with variable daily dose of influence, 23:923
Interpretations of biological effect of chronic γ-irradiation, 23:6567 (JPRS-44299, pp 77-85)
Model for cumulative damage in systematic γ-irradiation, 22:12918
MALAKOFF, J. P. Method and apparatus for analysing radioactive aerosols, 24:2460
MALAKOFF, R. I. Simple analytical models for studying fast-neutron spectra, 23:3903
MALAKPUR, I. Region of formation of narrow emission lines of Nova Delphini, 25:13820
MALAMA, Yu. G. Application of the Monte-Carlo method to the solution of kinetic problems of low-temperature plasma, 25:3098
MALAMAND, F. High C content determination in Co-base alloys, 24:18895
MALAMANT, Alexandre Neutrino production of all baryon states. II, 22:44398
Neutrino-production of all baryonic states. I, 22:5545
Relativistic extension of Le Couteur—Newton formalism, 22:24739
MALAMBRI, Pancrazio Vertical steam generators for pressurized water nuclear plants, 23:26006
MALAMENT, J. Software for a spark chamber reader system, 21:28200 (BNL-977)
MALAMENT, Maxwell Experiences with ^{32}P in advanced carcinoma of the prostate, 25:13591
MALAMOS, B. Absorption and distribution of /sup 114m/In in rabbits, 25:6626
Calcium-47 metabolism in congenital hemolytic anemia (homozygous thalassemia), 22:25956
Case of a partial defect of the iodide trapping mechanism, 24:25372
Chemical determination of serum inorganic iodine, 23:31294
Detection of bone lesions by photoscanning with /sup 87m/Sr, 24:48607
Determination of hepatic blood flow in hyperthyroidism with the ^{198}Au blood extraction method, 25:11141
Early detection of bone lesions by photoscanning with radioactive /sup 87m/Sr, 23:48136
Influence of aortography on the radioisotope renogram, 23:12175
Renal adenocarcinoma: scintigraphic study of primary and metastatic areas, 25:29590
Structure and metabolism of non-haemoglobin Fe-bearing component of thalassaemic red cells, 24:29630
MALAMUD, E. Evidence for a broad scalar Kπ resonance near 1.1 GeV, 23:7097
K^+p elastic scattering at 7.3 GeV/c, 23:21059
Measurement of T = 2 elastic ππ cross sections, 25:33557
Search for momentum-dependent fluctuations in pion—proton scattering near 1.04 GeV/c, 23:23384
System for injection study of NAL main accelerator, 25:50534
MALAMUD, E. I. High precision 1 GeV/c spectrometer, 23:7798
Mass ($Y_0^*(1520)$), width, and decay fractions, 21:27315
Regge pole exchange analysis of $K^+p \rightarrow K^{*0}\pi^+p$ at 7.3 GeV/c, 23:36939
Spin and parity of the T = 1/2 Kππ system near 1.3 GeV, 23:5535
MALAMUD, Ernest Conference on ππ and Kπ interactions, Argonne National Lab., Ill., 5/69, 24:30500 (CONF-690521)
Phase-shift analysis (ππ) from 600 to 1000 MeV, 22:1444
Pole extrapolation of reactions $\pi^-p \rightarrow \pi^-\pi^+n$ AND $\pi^+p \rightarrow \pi^+\pi^-\ \Delta^{++}(1238)$, 25:33558
Progress and prospects at the National Accelerator Laboratory, 25:25571 (NAL-50)
Scattering $\pi^-\pi^+$ in $\pi^+p \rightarrow \pi^-\pi^+\pi^+p$ interactions. 24:30455 (CONF-690521-, pp 339-51)
Status of 500 GeV accelerator, 25:50516
Study of π π system from threshold to 1 GeV, 23:51919 (NAL-29)
MALAMUD, M. Observation of electron hopping in $^{151}Eu_3S_4$ by Moessbauer spectroscopy, 22:29571
MALAN, G. F. Dynamic stability of coupled-core reactors with temperature and xenon feedback, 21:40610

  Nonlinear programming approach to optimal control of nuclear reactors, 25:6152
MALAN, J. G. Energy levels of ^{139}La and ^{141}Pr from (n,n'γ) measurements, 23:15481
  Fast neutron scattering from ^{139}La and ^{141}Pr, 23:13301
  Investigation of levels in ^{52}Cr, ^{56}Fe, and ^{58}Ni, 25:12476
  Level structure of ^{73}Ge, 24:30730
  Level structure of ^{73}Ge, 24:47589
  Neutron scattering from La and Pr, 22:27218
MALAN, O. G. Gamma-radiation-induced cis-trans isomerization of stilbenes in liquid naphthalene, 22:27776
MALAN, Roger C. Uranium in the tertiary intermontane basins of Colorado, 24:330
MALAN, Willemien FIRE-2: one-dimensional reactor computing program in FORTRAN IV for multi-region, multi-group reactors, 21:23616 (PEL-131)
MALANCHENKO, L. L. Design and principal characteristics of VVER-1000 fuel element, 25:34356 (JPRS-53069, pp 245-8)
MALANDRINI, F. Behavior of metabolism of ^{85}Sr in the bones of hypophysectomized rats, 21:6425
  Hypovitaminosis B_6 and bone metabolism of ^{85}Sr in the growing rat, 21:10795
  Influence of hypovitaminosis A on bone metabolism of ^{85}Sr in the rat during growth, 21:10807
  Research on bone uptake of radiostrontium (^{85}Sr) in animals made diabetic with alloxan, 21:10805
MALANG, S. Fuel rods with inner ribs, 24:29013 (KFK-1118)
  Parametric study of the dynamic behavior and stability of a steam-cooled fast reactor with an integrated coolant cycle, 22:3829 (EURFNR-406)
  Parametric study of the dynamic behavior and stability of a steam-cooled fast reactor with an integrated cooling cycle, 22:20846
  Parametric study of the dynamic behaviour and stability of a steam-cooled fast reactor with an integrated cooling cycle, 22:35555
  Safety aspects of steam cooled fast breeder reactors, 21:44847 (KFK-613)
  Safety aspects of steam-cooled fast breeder reactors, 22:53365
  Work on further development of steam-cooled fast breeder reactors, 24:41016
MALANIFY, J. J. Charge-symmetry study with reactions ^{3}H(t,tau)nn and ^{3}H(tau,t)pp, 25:36662
  Investigation of reaction ^{4}He(^{4}He,^{4}He)^{4}He* at 64 MeV, 23:30925
  Nucleon—nucleon scattering parameters, 24:40552
  Polarization—asymmetry test of time-reversal invariance, 23:3786
  Proton—proton final-state interactions in the reactions^{3}He(d,t)2p, d(^{3}He,t)2p, p(^{3}He,d)2p, and ^{3}He(^{3}He,^{4}He)2p, 22:29901
  Spin flip in the inelastic scattering of 30- and 40-MeV protons by ^{28}Si, 22:44672
  Total reaction cross section measurements with 60-MeV protons, 23:34722
  Two-proton final-state interactions in the reactions D(^{3}He,t)2p and ^{3}He(d,t)2p at a center-of-mass energy of 21 MeV, 21:29450
MALANINA, V. N. Ectopic hemopoiesis in dogs after acute radiation sickness, 22:51925
  Hematopoiesis in long-term survival following supralethal irradiation, 23:14128
  Radiation leukemia, 22:38440
MALANOSKI, S. Prog. rpt. on two phase flow rotor bearing system: execution of an extended (500 hour) test, 1/69—3/70, 24:29418 (MTI-70-TR-33)
MALANOSKI, S. B. Design of an experimental steam-lubricated rotor-bearing system, 23:2463 (NYO-3839-4)
  Experimental investigation of steam-lubricated rotor-bearing system, 23:40919 (NYO-3839-6)
  Experimental study of externally-pressurized, steam lubricated, single-restrictor, circular thrust bearing, 23:2462 (NYO-3839-3)
  Extended duration testing of vapor lubricated rotor-bearings system and design guide for externally-pressurized vapor bearings, 24:50498 (NYO-3839-10)
  Prog. rpt. on steam-lubricated rotor-bearing system, 10/69, 24:7548 (NYO-3839-7)
  Prog. rpt. on two phase flow rotor bearing system, 10—12/69, 24:16743 (NYO-3839-8)
  Shake table tests of a spiral-grooved journal bearing, 21:40730 (MIT-66-TR-51)
  Steam-lubricated rotor-bearing system, 23:24346 (NYO-3839-5)
MALARBET, Jean-Louis Biological dosimetry of an ultraviolet radiation source using Saccharomyces cerivisiae, 25:18981 (CEA-N-1380)
MALARODA, R. Digitized co-ordinate recording device for nuclear tracks measuring instruments, 24:44320
  Measurements of neutron spectrum of Am—Be source, 25:18761
MALARODA, S. Heavy elements in 73 Draconis, 24:12533
  Spectra of some Be stars, 24:12504
MALARODA, Stella Rotational velocities of some B stars, 24:42364
MALASEK, E. Treatment of radioactive wastes, 22:21301
  Volume reduction of low-activity solid wastes, 24:46309 (STI/DOC-10/106)
MALASHENKO, I. S. Effect of carbon [and zirconium] on elasticity and long-term hardness of niobium at high temperatures, 25:673
  Effect of carbon on structure and strength characteristics of niobium and its alloys, 21:41661
  Effect of complex alloying on physical and mechanical properties of Nb, 22:2641
  Hardness characteristics of Nb at high temperatures, 24:25704
  Influence of carbon on the elasticity and prolonged hardness of niobium at high temperatures, 24:48847
  Strength and ductility of some single-phase and two-phase electron beam-melted niobium-base alloys, 23:8195
  Temperature dependence of the modulus of normal elasticity of niobium and its alloys, 25:672
MALASHENKO, Yu. V. Extrusion of refractory metals in vacuum, 22:10934
MALASHEVICH, E. V. Metabolic rate of sialic acids in the tissues of irradiated organism, 24:14420
  Quantitative description of post-radiation changes of sialic acids in white rat tissues, 24:23124
MALASHEVICH, Ya. V. Content of sialic acid in the tissues of intact and adrenalectomized rats following the action of small doses of ionizing radiation, 25:501
MALASHINA, S. G. Build-up and elimination of ^{32}P by protococcal algae scenedesmus quadricauda, 23:22169 (AEC-tr-6944, pp 157-64)
MALASHKEVICH, N. I. Ionization counter dE/dx filled with liquid Xe, 25:4319 (JINR-P13-5403)
MALASHKINA, R. T. Studies of various additivies acting as thermo stabilizers in irradiated polyethylene, 21:4557
MALASHKINA, T. G. Effect of certain technological factors on degree of volatilization of B_2O_3 in melting of non-alkaline alumoborosilicate glass for production of fiberglass, 25:22158
MALASHKO, V. I. Influence of irradiation by intermediate-energy neutrons on content of γ-aminobutyric acid in cerebral cortex, 23:2947
MALASKOVA, Vera Fibroblastoid transformation of malignant myeloblasts in vitro, 23:6582
MALASPINA, A. Growth of myoblasts after x irradiation, 22:573
  Methods, technique, and clinical results with preoperative radiotherapy in 487 cases of breast cancer, 25:58073
  Scintigraphy of skeleton using ^{85}Sr, 23:38646
MALAT, V. Secondary electron emission from thin self-supporting films of silver, 21:41796
MALATESTA, Ronald Paul Resistometric observation of annealing characteristics of a tensile loaded Cu—Al alloy, 21:45890 (UCRL-17799)
MALATOGA, I. Inhalation of radioactive nuclides in insoluble compounds, 24:41872
MALATOVA, I. Determination of ^{228}Th content in old Thorotrast ampoules, 25:44814
  Evaluation method of the gamma spectrometrical determination of radium in state of non-equilibrium, 25:57506
  Preparation of ^{224}Ra from ^{228}Th solution, 25:32009
  Results of the whole-body counting of patients with known amount of injected thorotrast, 24:27511
MALATOVA, Irena Evaluation in cases of inhalation of radioactive nuclides mixture, 23:38560
MALAVAL, Claude Channel for a nuclear reactor, 22:37608
  Nuclear reactor handling device, 22:48794
  Nuclear reactor safety system, 22:18627
MALAVAL, P. Nuclear Power Station Bugey 1. II, 24:30969
MALAVAL, Pierre Spectrometer for cosmic and solar protons experiment S 72 aboard satellite ESRO II, 23:17788 (CEA-R-3700)
MALAVIYA, B. Fast neutron spectra in iron, 24:33089
MALAVIYA, B. K. Adequacy of fast and intermediate cross-section data from neutron spectrum measurements in bulk media, 23:5762
  Angular distribution of fast neutrons in depleted uranium, 23:5761
  Assessment of the ENDF/B-II file for iron based on integral transport experiments, 25:41214
  Calibration of a large proton recoil detector for fast-neutron spectra measurements, 21:6256
  Development of special targets for fastneutron spectrum studies, 22:32375
  Experimental and analytical studies of fast neutron transport in iron, 25:56618 (RPI-328-230)
  Fast reactor development and nuclear engineering academic programs, 24:7059
  Fast-neutron flux distribution in a depleted-uranium assembly, 24:7227
  Fast-neutron spectrum and time moments of pulse decay in a bulk aluminum assembly, 25:6106
  Hole perturbation effects on fast-neutron spectra in bulk media, 24:33548
  Integral tests and evaluation of cross-section data from studies of fast neutron transport in bulk media, 25:25609 (RPI-328-225)
  Kinetic studies in a depleted-uranium assembly, 23:37752
  Measurement and analysis of fast-neutron spectra in iron, 24:6810
  Measurement of mean emission time and other miscellaneous spectra measurements, 21:1013
  Nuclear power in its social context, 25:41377
  Simple analytical models for studying fast-neutron spectra, 23:3903
  Standard central compilation of the results for integral tests of microscopic data, 25:26063 (RPI-328-219)
  Studies of fast-neutron spectra across a material interface, 25:41407
  Study of neutron transport in iron with an assessment of data files, 25:5495
  Time-dependent spectra in polyethylene, 21:7670
  Time-of-flight measurements of fast-neutron spectra in iron, 22:5738
  Time-of-flight measurements of fast-neutron spectra in aluminum, 24:6811
MALAVIYA, V. Charge—transfer probability between protons and excited H atoms, 25:16822
  Resonance charge transfer between protons and excited hydrogen atoms. III, 25:9203
  Resonance charge transfer in He^{2+}—H(1s) collisions, 23:41967
MALAVOLTA, E. Radioisotopes in agricultural research, 24:31773
  Radioisotopes in Latin American agriculture, 25:51967 (A/CONF.49/P-756)
MALAWISTA, Stephen E. Histamine release from rat peritoneal mast cells, 23:6370
MALAWSKI, Stefan Dry-freezed bone grafts sterilized by gamma rays, 24:6156
MALBORG, P. Cross section for production of (30)P from (31)P by protons of energies below 190 MeV, 21:36553 (AD-636647)
MALBRAN, Jorge Facial changes due to radiation, 23:41483
MALBROUCK, R. Spectroscopic study of aurorae of November 19, 1966 and February 4, 1967, 23:34318
MAL'CHENKO, V. I. Determination of the high-energy asymptotics of amplitudes for scattering quantum—mechanical particles by energy-dependent potentials, 21:17182
  High-energy asymptotic properties possessed by scattering amplitudes of quantum-mechanical particles, 23:8861
  Inverse problem for quantum mechanics equations with energy-dependent potentials, 22:15699
MAL'CHEVSKII, A. I. Isolation of rare-earth elements from apatite concentrate, 24:5733
MALCIC, Katica Effect of local irradiation of the gonads, 23:38789
MALCIC, S. Monoclinic deformation of αU lattice in U—Nb system, 23:22574
MALCOLM, B. R. Molecular structure and deuterium exchange in monolayers of synthetic polypeptides, 22:40079
MALCOLM, D. G. Electrically driven flows in magnetohydrodynamics. II, 22:50078
  Investigation of a steady magnetohydrodynamic shear layer using hot-film anemometry, 24:8378
  Stability of magnetohydrodynamic shear layer, 24:26047
MALCOLM, James C. Reduction of dental x-ray exposure, 24:34346
MALCOLME-LAWES, D. J. Gas-flow proportional counter, 24:36585
  Plateau shifting effects in gas flow proportional counters during tritium analysis, 25:46435
  Use of gas flow proportional counters for tritium analysis, 25:20932
  Wall-effects in gas-phase recoil tritium chemistry, 21:24052
MALDACKER, T. A. Effect of loading on separation efficiency using steric exclusion chromatography, 25:44244 (COO-1222-46)
MALDAGUE, P. Combined production of electric power and desalinated water, 23:49635
  Comparative study of experimentally induced cancer, 24:34644
  Effect of chemical radioprotective agents on delayed radiolesions and radiocarcinogenesis, 24:32041
  Experimental radiocarcinogenesis of kidney by x rays in rat. I, 21:34727
  Experimental radiocarcinogenesis of kidney by x rays in rat. II, 21:34726
  General accomplishments in the Vulcain Project, 23:40327
  Markets, characteristics and potential of Vulcain reactor, 23:37410
  Metabolism of different immunoglobulin classes in irradiated mice. II, 24:25417
  Metabolism of different immunoglobulin classes in irradiated mice. V, 25:29473
  Nuclear reactor xenon poisoning variations compensation, 22:27510
  Nuclear reactors reactivity control process, 23:23880
  Radiolesions of testicle in rat, 21:34778
MALDAGUE, P. E. J. M. Nuclear reactor pressurization, 22:18641
MALDAGUE, Pierre Nuclear reactor, 22:37475
MALDAGUE, Pierre E. J. M. Nuclear reactor control rod pressure-actuated driving mechanism, 21:1231
  Nuclear reactors, 21:19443
MALDE, Harold E. Dilemma posed by U-series dates, 23:49939
MALDONADO, C. D. Modification of the TRAC Ebers—Moll model for improved high frequency and collector storage time predictions, 25:57904
  Numerical method for obtaining internal emission coefficients from externally measured spectral intensities of asymmetrical plasmas, 22:41551
  Series representation method for obtaining the emission coefficient from the integrated intensity distribution for asymmetric light sources, 21:18643
  Transition from ambipolar to free diffusion in a decaying plasma, 23:12841
MALDONADO, G. V. Artifical injection of electrons into the geomagnetic field by Teak and Orange, low-altitude bursts of 1958, 24:47138
MALDONADO, J. R. Surface states in superconducting indium, 24:23921
MALDONADO, Javier Flores Scattering length of the n—n reaction, 25:43534 (NP-18814)
MALDONADO, Juan Ramon Magnetic-field-induced surface quantum states in superconducting indium, 23:42153
MALDUEV, V. L. Miniature end window counter for soft beta-radiation, 25:8521
MALDY, J. Influence of a static magnetic field on ac losses in a type-II superconductor, 22:52701
  Influence of continuous alternating current on critical field of lead films at 4.2°K, 21:39955
  Superconducting thin films, 25:9385
MALDY, Jacques Anchoring of flux lines by the surfaces of superconductors, 23:42211
  Superconducting transition of lead films under the action of magnetic fields at 4.2°K, 21:29157
MALDYBAEVA, E. Ya. Electromagnetic waves in the general relativity, 21:35238
  Invariant definition of gravitational waves, 21:23293
  Singularity on the general theory of relativity, 25:59595
MALE, Germain Distillation of rare earth metals, 23:7592 (CONF-681020-(Vol.2), pp 439-58)

Influence of rare earths metals in the niobium purification, 23:18235
Preparation of metallic dysprosium using the reaction of tantalum on its dicarbide, 25:37939
Preparation of rare earth metals by thermal reduction of their oxides by metals, 25:32660
Role of rare earths metals in the purification of niobium, 24:14707 (WAPD-Trans-126)
Separation and purification of rare earth elements, 23:17539
Separation of rare earth metals and Fe by distillation in electron bombardment furnace, 21:17712
MALE, J. Radiation detection and security measures against access at Saclay Linear Accelerator, 24:24482
MALE, J. C. Effects of trapped flux on ac-loss measurements in superconductors, 25:1110
Suitability of liquid semiconductors for resistance thermometry in nuclear reactors, 22:28260
MALECHA, R. F. EBR-II intrasite spent-fuel shipping casks, 24:473
EBR-II plant equipment for oxidation of melt refining skulls, 22:4414
Fusible metal seals in process equipment, 21:6105
MALECHA R. F. EBR-II skull reclamation process. III, 22:12397 (ANL-7338)
MALECKI, A. Dynamical nucleon—nucleon correlations in ^{6}Li, ^{12}C, and ^{16}O nuclei from elastic electron scattering, 23:10940 (LNF-68/48)
Dynamical nucleon—nucleon correlations in ^{6}Li, ^{12}C, and ^{16}O nuclei, 23:15378
Elastic electron scattering from ^{4}He, 23:1789
Elastic electron scattering from light nuclei and nucleon—nucleon correlations, 22:46712 (LNF-68/27)
Electron inelastic scattering form factors of the giant dipole resonance states, 22:20733
High-resolution transverse sum rules for electrons scattered inelastically from light nuclei, 21:25593
Influence of short-range correlations on nucleon emission in electron scattering by nuclei, 25:50834
Investigation of magnetic properties of nucleons bound in nuclei from an inelastic electron scattering sum rule, 22:20734
Nuclear recoil correction and short range nucleon—nucleon correlations in elastic electron scattering from light nuclei, 24:18357 (LNF-69/19)
Quasi-elastic electron scattering on light nuclei, 23:5961
Short-range correlations, 24:52653
Short-range correlations in nuclei, 24:45818
Short-range dynamical correlations from elastic and quasielastic scattering of high-energy electrons, 25:17421 (LNF-70/47)
Short-range dynamical correlations from elastic and quasi-elastic scattering of high-energy electrons, 25:17426
Transverse sum rule for electrons scattered inelastically with large momentum transfers from light nuclei, 21:25594
MALECKI, A. M. Focal lengths and principal-plane positions of quadrupole doublet and triplet lenses, 23:8863 (AECL-3160)
Thermalization calculations in a cylindrical shell, 21:38431 (AECL-2708)
MALECKI, Andrzej High resolution transverse sum rules for electrons scattered inelastically from light nuclei, 21:2016 (INP-485/PL)
MALECKI, H. Analysis of the total radiation widths of the nuclear neutron resonances, 24:40613 (JINR-P3-4929)
Neutron cross sections and strength functions of germanium isotopes, 22:27069
Neutron cross sections and strength functions for germanium isotopes, 23:10962 (NP-tr-1719)
Neutron resonances of ^{69}Ga and ^{71}Ga isotopes, 23:10960 (JINR-P3-4152)
Parameters of neutron resonances of ^{85}Rb and ^{87}Rb isotopes, 23:25851 (JINR-P3-4357)
MALECKI, P. Analysis of the I = 0 (K anti Kπ) resonances produced in anti pp annihilations at 0.7 GeV/c, 24:5241
Decay distributions in reaction $K^{+}p \rightarrow K^{*0}(1420)\ \Delta^{++}$ at 5 GeV/c and quark model predictions, 25:40894
Enhancements $K_1{}^{0}K_1{}^{0}$ as observed in annihilations of slow antiprotons in H, 23:30710
Non-strange I = 1 meson of mass 1540 MeV, 23:34531
Pion production mechanism in high multiplicity π^{+}p interactions at 8 GeV/c, 25:45746 (INP-755)
Reaction anti pp $\rightarrow$ K^{0} anti K^{0} π^{+} π^{-} at 0.7 GeV/c and the spin—parity of the F_1 meson, 24:5246
Structure in the KantiK decay mode of the A_2 meson, 23:23354
MALED, George Density scale heights at sunspot maximum and minimum from satellite data, 22:29340
MALEEV, S. V. Depolarization of neutrons passing through a ferromagnetic, 24:22062
Scattering of slow neutrons in superconductors, 21:7142
Slow neutron scattering by spin waves excited by ferromagnetic resonance, 21:37560
MALEIN, A. Ion heating in a turbulent plasma, 21:37411
Observations of nonlinear Landau damping, 25:33334
MALEJKA, Danuta Distribution of fluorene derivatives in rats with transplanted Walker carcinosarcoma, 21:32697
MALEK, Emil Past and future of heat power plants, 25:36974
MALEK, G. J. ABE-1: externally cooled high conversion ratio: advanced beryllia fuel element, 21:27669 (GA-6846)
ABE-SRC-1: an internally-cooled high conversion ratio advanced beryllia fuel element, 21:38448 (GA-6836)
Analysis of the multicolumn flow distribution test data, 22:42189 (GAMD-8423)
Analytical and experimental investigation of three-dimensional flow distribution in a gas-cooled reactor, 21:38490
Computation efficiency in solving flow network problems, 24:5802
Development of flow analysis code FLAC, 23:45060 (GA-9482)
Flow model tests of the reactor outlet plenum for 330 MW(e) HTGR, 21:27671 (GA-7638)
Hydrodynamic stability in curved steam generator tubes, 25:4208
MALEK, George J. Fuel element, 21:5725
Gas-cooled nuclear reactor, 22:12156
MALEK, I. Algo-agro-industrial complex, 25:54239 (A/CONF.49/P-552)
Carotenoids synthesized by uv-induced mutants of Mycobacterium phlei, 25:26687
Effect of uv light and mitomycin C on transfection of Bacillus subtilis 168 I^{-}, 24:32275
Induction of mutants Mycobacterium phlei P by uv radiation, 24:9816
Induction of pigmentation change in M. phlei by uv radiation, 22:40623
Mutagenic effect of ethyl methane sulfonate on Mycobacterium phlei, 24:12048
Mutagenic effect of ultraviolet radiation and nitrous acid on Mycobacterium phlei, 21:34833
Mutagenic effect of uv on M. phlei, 23:50423
Occurrence of geometrical isomers of lycopene in the modification of the uv-induced mutant of Mycobacterium phlei, 25:49157
MALEK, N. Unified film transport mechanism of the camera for work with 50 mm nonperforated film, 23:35361 (JINR-P13-4474)
MALEK, P. Detection of myocardial infarcts by in-vivo scanning using mercurascan, 23:48123
Ischaemia detecting radioactive substances for scanning cardiac and skeletal muscle, 21:32681
Lymphatic system and organ transplantation, 23:29400
New possibilities in the topical diagnosis of cardiac infarcts, 25:29571 (LB/G-2835)
Preparation of radioactive hydroxymercury derivatives of fluorescein series applicable as IDRS, 25:24246
Preparation of some mercuri-derivatives of fluorescein labeled with isotopes ^{197}Hg and ^{203}Hg. III, 25:15715
Process of improving the yields of radioactive fluorescein, 25:32467
MALEK, Prokop Method of purifying and separating derivatives of fluorescein series labelled with radioactive mercury isotopes, 25:21151
Process of manufacturing radioactive substances derived from difluorescenylmercury and labelled with radioactive iodine isotopes, 25:58047
MALEK, Z. Decay of 13 h isomer of ^{182}Re, 24:3943
Elastic scattering of 600 MeV protons on LMN crystals, 22:37077
Elastic scattering of 660 MeV protons on LMN crystals, 22:24532 (JINR-E1-3708)
Fast separation of spallation products, 23:40821
Levels of ^{168}Yb, 25:25748
New neutron-deficient isotopes ^{169}Hf, ^{167}Hf, ^{166}Hf, and ^{166}Lu, 24:8913
New neutron-deficient isotopes of ^{169}Hf, ^{167}Hf, ^{166}Hf, and ^{166}Lu, 24:30752 (BNL-tr-347)
New neutron-deficient Ta isotopes with mass numbers A = 167 to 171, 24:8912
New short-lived activities ^{163}Yb, /sup 165m/Tm, /sup 163m/Tm, /sup 161m/Tm, ^{159}Tm, 22:46765 (JINR-P6-3945)
MALEKGHASSEMI, Behruz Biological studies on culture and elimination of the beet fly. II, 24:44638
MALEN, K. Nomogram for determining shield thickness for point and line sources of gamma rays, 21:5314 (AE-252)
User's manual for NRN shield design method in FORTRAN IV language, 21:20998 (FFA-673)
Void lattice in molybdenum, 25:58313
MALENCHANKA, A. F. Comparative evaluation of the effects of uranium nitrate and radioactive iodine on auto-antibody formation, 25:42645
Neutron-activation methods in study of iodine exchange, 25:24011
MALENCHENKO, A. F. Content of I in thyroid glands and effect on uptake of ^{131}I, 25:35097
Content of natural uranium in normal and goiter-degenerated thyroid glands, 25:46678
Effects of U on thyroid function and distribution of I in thyroid gland, 25:32587
Influence of uranium nitrate on rabbit thyroid gland, 25:35229
Study of the quantitative distribution of radioactive and stable iodine in thyroid gland, 25:493
MALENFANT, Richard E. QAD: series of point—kernel general-purpose shielding programs, 21:23235 (LA-3573)
MALENGE, Jean-Pierre Biosynthesis of acyclic carotenoids in mutant of Rhodotorula mucilaginosa, 21:32628
MALENKA, B. J. Model calculation of nuclear inelastic effects on high-energy lepton pair production, 21:35520
Some constraints of current conservation on two particle radiative scattering, 24:52011
MALERICH, C. J. High-energy alkali—rare-gas scattering, 24:19766
Scattering of high-energy alkali atoms, 23:5218
MALESA, Jan Analysis of resolving power in estimations of radioactivity using an Anger type scintillation camera, 23:33785
Comparison of scintillation methods for measurements of minimal activities of tritiated water in application to biological investigations, 21:32422
Gamma energy absorption phenomenon applied to scintigraphy, 24:34341
Measurements of radioactivity with anger scinticamera, 23:48098
MALESANI, G. Measurement of ionization growth rates in H_2 at high E/p, 25:16787
Skin-photosensitizing furocoumarins, 22:4578
MALESZEWSKA, H. Purification of a Pd tracer and separation of carrier-free ^{111}Ag, 25:21110
MALESZEWSKA, Hanna Determination of Pd, Os, Ir, and Pt in rocks by neutron-activation analysis, 21:32121
Separation of platinum and gold on cation exchange resin in concentrated HBr solution, 22:12375
MALET, France Metabolism in irradiated mice. I, 24:19305
MALET, Georges Control of fissile-material losses during Rapsodie fuel reprocessing, 24:22925 (CEA-R-3961)
MALET, Henri Systematic displacement of lines toward red in galaxies, 22:19686
MALET, L. Atmospheric dilution factors and calculation of doses in environment of SCK/CEN Mol for short and long duration stack discharges, 25:48619 (BLG-446(Vol.1))
Atmospheric dilution factors and calculation of doses in environment of SCK/CEN Mol for short and long duration stack discharges, 25:48620 (BLG-446(Vol.2))
MALET, P. Alpha-hydroxybutyrate dehydrogenase and lactate dehydrogenase activity in rat and mouse kidneys during experimental poisoning due to uranyl nitrate, 21:16279
Cholinesterase activity in rat kidney during experimental intoxication with uranyl nitrate (biochemical and histochemical study), 22:40554
MALETA, Yu. S. Effect of penicillins on barrier function of gastrointestinal tract in acute radiation disease of mice, 24:34693
Influence of penicillins on reticulo-endothelial system of sickness, 23:2921
MALETICH, F. J. Hybrid simulations of energy-and space-dependent core dynamics, 24:33544 (ANL-7626)
MALETSKI, Kh. Analysis of total radiative widths of nuclear neutron resonances, 25:34045
Neutron cross sections and force function of Ge isotopes, 22:5786 (JINR-P3-3456)
Neutron cross sections and strength functions of germanium isotopes, 22:35258
Radiative capture and neutron total cross section for selenium isotopes, 22:48479 (JINR-P3-3956)
Radiative capture and total cross sections of neutron interaction with Se isotopes, 23:40026
Statistical analysis of spin dependence of neutron strength functions for nuclei, 24:30887
Statistical analysis of the spin dependence of the neutron strength function of the nucleus, 24:28825 (KFK-tr-308)
Uranium-238 neutron resonance radiation widths, 25:25711 (JINR-P3-5609)
MALETSKOS, C. J. Metabolic data on injected and ingested ^{234}Th in human beings, 21:32559 (CONF-661018, pp 191-207)
MALETSKOS, Constantine J. Column separation by isotopic exchange in an organic medium, 24:31469
Elimination of ^{24}Na and ^{42}K interferences in activation analysis of biological samples, 24:9261
Exchangeable K in man using a new radioisotope ^{43}K, 25:21535
Intercomparison of reliability of body ^{137}Cs measurements on human beings, 21:43370 (TID-23740)
Intercomparison of reliability of body ^{137}Cs measurements on human beings, 22:8549
Problems in the use of activation analytical evidence in court, 24:5633
Prog. rpt. on activation analysis in research and forensic medicine, 5/70—6/71, 25:51963 (NYO-3778-13)
Prog. rpt. on neutron activtion analysis, annual, 5/69—4/70, 24:33650 (NYO-3778-9)
Retention and absorption of ^{224}Ra and ^{234}Th, 23:38427
MALETTA, Gabe J. Acetylcholinesterase activity and protein content of brain and spinal cord in developing rats after prenatal x irradiation, 22:447
Convulsive responses in prenatally irradiated rats, 21:8955
MALETTA, H. Absence of induced magnetic fields at Gd nuclei in $GdFe_2$, 23:23298
MALEV, M. D. Design and calculation of magnetic-discharge pumps, 24:2437 (SLAC-Trans-101)
MALEVICH, A. A. Use of selective gamma-gamma logging on lignite deposits, 24:25124
MALEVICH, A. R. Use of selective gamma-gamma logging on lignite deposits, 24:25124
MALEVICH, M. A. Dosimetry in radium therapy, 25:11069
Technique of stereotaxic proton irradiation of the hypophysis and other cerebral regions, 24:6094
MALEVILLE, J. Inflammation in polycythemia treated by ^{32}P, 24:48726
Radiographic examination of normal and pathologic cutaneous and subcutaneous tissues, 23:29613
MALEVSKAYA, O. Polarization of hydromagnetic oscillation of Pc-1 type, 21:9407
Polarization of hydromagnetic Pc-1 (pearls) oscillations in magnetically conjugated points Sogra (SSSR) and Kerguelen (France), 21:46224
MALEVSKII, Yu. B. Effect of the annealing temperature on the structure and properties of cast molybdenum, 21:18247
MALEWICKI, R. L. Chemical Engineering Division. Cross sections and burnup semiannual report, January—June 1971, 25:60035 (ANL-7824)
MALEWSKI, Stefan Calculational methods for determination of University Reactor UR-100 parameters, 24:11267 (INR-P-1124)
Physical and geometrical parameters of ANNA critical assemblies. I, 25:46292 (INR-1288)
MALEY, John R. Catalytic reactions involving azomethines. X, 22:30522
MALEY, M. P. Kondo effect in Mo(Fe) alloys from Moessbauer-effect measurements, 24:37572
MALFAIT, G. Hydrostatic pressure apparatus for electrical measurements up to 17 kilobars at very low temperature, 25:39381 (LA-tr-71-45)
MALFLIET, R. Theory of non-relativistic three-particle scattering, 23:13142
MALFLIET, R. A. Solution of Faddeev equations for triton problem using local two-particle interactions, 23:21254
Three nucleon calculations with local tensor forces, 24:6824

  - Three-nucleon calculations with realistic forces, 25:17689
  - Trinucleon bound state properties and form factors with the BKR potential, 25:53519
- MALFLIET, Rudi Three-nucleon calculations using the Faddeev equations, 25:20251 (NP-18678)
- MALFLIET, W. P. M. General kinetic equation for weakly turbulent homogeneous systems, 24:15328
- MALHERBE, F. Measuring circulatory output by ^{85}Kr, 24:17090
- MALHERBE, J. Heat transfer and pressure drop along herringbone finned surfaces, 22:7851
  - Heat transfer and pressure drops along surfaces fitted with herringbone fins, 21:43163
  - Regenerator for gas turbine, 24:36452 (ANL-Trans-833)
  - Survey on fuel cycles and total generating costs, 24:50145 (CONF-700401-, pp 726-53)
- MALHERBE, Jean Nuclear reactor, 22:16239
- MALHERBE, Pierre Determination of trace quantities of aluminum and chromium in uranium by gas phase chromatography, 25:15483
- MALHOTRA, K. K. Efficacy of radioactive iodine therapy for hyperthyroidism, 21:12901
- MALHOTRA, P. Electromagnetic radius of the pion, 22:34829
  - Measurement to nuclear radius of ^{4}He, 22:20439
  - Northwestern University 50 cm liquid helium bubble chamber, 22:47380
  - Northwestern University 50-cm liquid He bubble chamber, 21:16119 (CONF-660918-, pp 134-9)
- MALHOTRA, R. C. Two-dimensional MHD stability of an elastico-viscous fluid, 25:38207
- MALHOTRA, Shadi L. Polymerization of monolayers. V. Tacticity of the insertion poly(methyl methacrylate), 24:48114
- MALI, J. W. H. Determination of chromium content in human skin by neutron activation analysis, 23:4572
- MALICHEV, V. V. Nuclear power plant simulator, 24:33243
- MALIK, A. U. Composition and stability of uranyl, vanadyl, and titanous complexes with some amino acids, 24:27038
- MALIK, C. Comparison of changes in total electron content along three paths, 24:37382
- MALIK, Chester Proposed index for measuring ionospheric scintillation, 23:3327 (AD-669805)
- MALIK, F. B. Application of a rotation quasi-particle coupling model to ^{75}As, 22:26976
  - Application of unified model with Coriolis coupling to ^{22}Na, ^{26}Al, and ^{30}P, 25:12482
  - Boson-broadened photonuclear reactions in light nuclei, 21:31846
  - Calculation of electron binding energies and x-ray energies for superheavy elements 114, 126, and 140, 22:47807
  - Calculation of electron shake-off for elements from $Z = 2$ to 92, 22:26252
  - Calculation of K, L, M, and N binding energies and K x-rays for elements from $Z = 96$ to 120, 23:49473
  - Coriolis-coupling model prediction of moments and transition rates for deformed odd nuclei in the 1f/sub 7/2/ shell, 21:13826
  - Direct reduction to Talmi integrals without use of transformation brackets, 25:25806
  - Effect of Pauli principle in ^{16}O—^{16}O elastic scattering, 21:35419
  - Eigenvalues, radial expectation values, and potentials for free atoms from $Z = 2$ to 126 as calculated from relativistic Hartree—Fock—Slater atomic wave functions, 25:9168 (ORNL-4614)
  - Elastic scattering of low-energy electrons by metastable He, 21:39826
  - Fission and the ion—ion interaction, 25:48126
  - High-energy photonuclear reactions in ^{16}O, 25:7816
  - High-energy photonucleon emission from ^{16}O and ^{12}C, 24:35818
  - Level spectra of odd isotopes of Ga, As, Br, and Rb in Coriolis coupling model with residual interaction of pairing type, 23:15395
  - Nuclear heavy-ion—heavy-ion collisions and the intermediate-state model, 23:25847
  - Phenomena peculiar to nuclear molecular potentials in ^{16}O + ^{16}O scattering, 22:37305
  - Positive-parity states of ^{43}Sc in the deformed core model with coriolis coupling, 22:20542
  - Properties of ^{55}Mn, ^{56}Mn, and ^{57}Fe in the unified rotational model, 25:14973
  - Relativistic and non-relativistic SCF wave functions for atoms and ions from $Z = 2$ to 80, 21:6980 (ORNL-4027)
  - Role of the rotation particle coupling in determining nuclear properties, 22:16096
- MALIK, F. Bary Effect of exclusion principle between valence pair and renormalized core in ^{6}Li, 22:26818
  - Metastable states in ^{16}O—^{16}O elastic scattering beyond the barrier, 22:26877
- MALIK, M. U. Experimental population of Drosophila melanogaster raised on irradiated banana diet, 22:43508
  - Population of Drosophila melanogaster raised on irradiated banana diet, 21:32755
- MALIK, Muhammad Yasin Fast neutron time of flight spectrometer, 22:21336 (PINSTECH/PHY-6)
- MALIK, Q. R. Control of fruit flies Dacus zonatus Saunders by gamma rays, 21:45815
- MALIK, R. K. Braze alloys for titanium foil structures, 22:45758
- MALIK, R. S. Gamma-ray induced variability in linseed oil, 25:52030
- MALIK, S. K. Conduction-electron polarization in rare earth—platinum alloys, 22:15599
  - Effect of collisions on hydromagnetic waves, 22:9317
  - Ion flute mode with temperature gradients, 23:23174
  - Knight shift and susceptibility in $SmSn_3$ and $SmPt_3$, 24:12908
  - Knight shift in $SmSn_3$ and $SmAl_2$, 25:17321
  - Magnetic susceptibility and anomalous behavior of Knight shift in $SmPt_3$ and $SmSn_3$, 25:47687
  - Quasi-electrostatic modes in axisymmetric tori, 24:42709
  - Stability of the screw pinch with Hall current, 25:27732
- MALIK, S. S. Precision of slow neutron capture cross section measurements, 24:50558
  - Spin and resonance parameters of 3.90-eV neutron resonance and magnetic hyperfine constant in ^{169}Tm, 21:7781
- MALIK, Satish K. Conduction-electron polarization at inequivalent Pt sites in rare earth—Pt alloys, 22:9460
- MALIK, W. K. Average exposure to radiation workers in Pakistan, 24:44497
- MALIK, W. U. Complexes of U(VI) and Th(IV) with 2-hydroxy-5-methylacetophenone, 23:15867
  - Murexide complexes of vanadium, thorium, and cerium and their colorimetric determination with murexide, 23:2211
  - Studies on Mo(VI) 0-hydroxyacetophenoneoxime, 23:15868
- MALIK, Wahid U. Electrometric studies on rare-metal dye complexes. I, 23:17332
  - Nonionic surfactants as polarographic maximum suppressors, 24:20690
  - Polarographic estimation of U(VI) at the dropping Hg electrode in phosphoric acid, 22:33282
  - Volumetric determination of Th and Ce with EDTA, 23:26170
- MALIK, Walayat Khan PAEC's personnel monitoring film-badge service and desirability of providing a supplementary dosimeter, 23:14046 (PAECL/HP-9)
  - Personnel monitoring, 23:48055
- MALIKOV, M. M. Experimental study of nonequilibrium plasma, 25:7386
  - Model of Faraday-type MHD generator with hot electrons, 24:45075
  - Pulsed model of MHD generator having strongly nonequilibrium plasma, 25:45328
- MALIKOVA, E. D. Determination of oxygen in cesium metal by vacuum distillation method, 22:33254
  - Purification of samples from surface impurities for γ-activation determination of O, N, and C in alkaline and alkaline-earth metals, 25:51418
- MALIKOVIC, T. Effects of vitamin D and phosphate content of diet on Ca and Sr absorption from gastrointestinal tract, 23:802
- MALIN, S. Anomalous zitterbewegung of composite particles, 23:7105
  - Form factor and mass corrections to weak decay amplitudes, 23:23513
  - Infinite-dimensional representations of Lorentz group, 25:20033
  - Position operators and localizability of quantum systems described by finite- and infinite- dimensional wave equations, 22:44345
- MALIN, S. R. C. Anomalous luni—solar daily variation in the geomagnetic field at Watheroo, Western Australia, 22:34437
  - Correlations between Earth's gravitational and magnetic fields, 25:45371
  - Lunar and solar daily variation of the geomagnetic field at Watheroo, Western Australia, 25:27503
  - Lunisolar daily variations of geomagnetic field at Tananarive during the international geophysical year, 21:39895
  - Novel correlations between global features of the Earth's gravitational and magnetic fields, 24:19705
  - Recent changes in the magnetic dipole moment of the Earth, 21:18509
  - Sunspot-cycle influence on solar and lunar daily geomagnetic variations, 25:47293
- MALIN, Shimon Position operators of quantum systems described by finite- and infinite-dimensional wave equations, 23:5509
- MALINA, Frank J. Conference on life sciences research and lunar medicine, Madrid, 10/66, 23:33901
- MALINA, L. Effect of x rays in vivo on the pen-tose cycle of erythrocytes, 21:10750
- MALINA, Lubor Effect of chloroquine diphosphate on x-radioinduced skin damage in guinea pigs, 21:24473
  - Protecting effect of chloroquin from skin diseases caused by x-ray irradiation, 21:6551
- MALINA, Mylan M. Mutagenesis in Escherichia coli by visible light, 21:26393
  - Mutagenic effects of near uv and visible radiant energy on E. coli, 25:11032
- MALINA, Yu. F. Influence of irradiated aqueous NaCl solutions on viscosity of tissue nucleoproteins, 21:20036 (NP-tr-1487)
- MALINAUSKAS, A. P. Gas transport in MSRE moderator graphite. I, 21:40567 (ORNL-4148)
  - Gas transport in MSRE moderator graphite. II and III, 23:28415 (ORNL-4389)
  - Interaction of tellurium dioxide and water vapor, 24:2202
  - Kinetics of the steam-graphite reaction, 25:51141
  - Vapor pressure of tellurium dioxide, 22:49818 (ORNL-4300)
- MALINDZAK, George S. Jr. Analog and digital storage of radioisotope indicator concentration data on fm analog magnetic tape, 23:26847
  - Digital storage of radioisotope indicator concentration data on FM analog magnetic tape, 23:35559
- MALINENKO, I. A. Diffuse scattering of x rays by gamma-irradiated metals, 22:31438
  - Distribution of defects in γ-irradiated metals, 24:21407
  - Effects of point defects on the lattice parameters of tempered and irradiated Cu, Ni, and Mo, 23:8249
  - Lattice parameters of annealed and irradiated Cu, Mo, and Ni, 22:52874
  - Roentgenographic investigation of radiation and quenched defects in copper, 24:39670
- MALININ, A. B. Isolation of carrier-free ^{88}Y from Sr targets, 23:43369
  - Separation of carrier-free ^{88}Y from Zr target by method of adsorption on a fluoroplastic material, 25:15694
- MALININ, G. F. Influence of bombardment by β particles on the evaporation of Ag from Al—Ag alloys, 24:19475
- MALININ, G. V. Certain properties of reactions of thermal dissociation of solid oxides, 24:38837
  - Derivatographic investigation of decomposition of U_3O_8 in air, 22:45074
  - Isolation of atomic oxygen in the thermal decomposition of certain uranium oxides, 24:9312
- MALININ, S. A. World use of atomic energy, 25:60296
- MALININ, V. F. Possibility for determining porosity, density, and mineral composition of rocks by gamma-ray absorption, 25:18524
  - Possibility of determining porosity, density, and mineralogic composition of rocks from gamma-radiation absorption, 25:46563
- MALININA, E. A. Reaction between Ce(IV) and EDTA in acid medium, 23:13701
- MALININA, N. K. Skeletal sorption of β-emitters in experimental carcinogenesis, 21:26577
- MALINKOVICH, A. N. X-ray structure investigation of alloys of part of La—Cu—Al system, 24:8139
  - X-ray studies of Al rich ternary Al—Cu—Cr, Al—Cu—Zr, and Al—Cr—Zr systems and quaternary Al—Cu—Cr—Zr systems, 22:10990
- MALINOVSKAYA, G. F. Separation of boron isotopes by chemical exchange methods. VI, 22:16656
- MALINOVSKAYA, S. A. Phoswich for neutron detection, 25:29339
  - Plastic scintillators with increased transparency, 23:45528
- MALINOVSKII, A. A. Certain biological prerequisites of longevity in mammals and man, 25:20847 (ANL-Trans-875)
- MALINOVSKII, O. V. Analysis of change of radiosensitivity of HeLa cells during their irradiation with gamma rays at different times after seeding, 22:23491
  - Intensity of postradiational reduction of yeast cells on various media in the period preceding the realization of radiational injuries in the process of multiplication, 21:26700
  - Nature of irreversible component accompanying γ-ray damage of yeast, 21:9034
  - Post-irradiation recovery of yeast cells from lethal and sublethal damage simultaneously, 24:39588 (NP-tr-1897)
  - Recovery of yeast cells after irradiation, 25:11316
  - Relation between recovery from potential lethal and sublethal radiation lesions of yeast cells, 25:24477
  - Variation in yeast cell sensitivity to ultraviolet rays, 21:442
- MALINOVSKII, V. K. Electron-optical method of recording Thomson scattering of light of a ruby laser by a plasma, 21:46317 (LA-tr-67-77)
  - Optical interferometry of plasma, 21:15105 (NP-16554)
  - Oscillation-type structure of a quasi-steady magnetohydrodynamic shock wave in plasma, 22:22158
  - Oscillatory structure of a quasi-stationary magnetohydrodynamic shockwave in a plasma, 22:29480 (NP-tr-1643)
- MALINOWSKA, J. Cerebral gammography with /sup 99m/Tc, 24:34469
  - Liver examination in cancer patients with scanner and gamma camera using rose bengal ^{131}I as a tracer, 24:34496
  - Scintigraphy of symptomless metastases of mammary cancer in the spine, 23:48106
  - Scintillation camera and 1600-channel analyser for the diagnosis of metastatic cancer of the liver, 23:48145
- MALINOWSKA, Janina Strontium-87m scanning of bones, 22:38343
- MALINOWSKA-ADAMSKA, C. Low-energy scattering of electrons by Thomas—Fermi atoms, 21:24931
- MALINOWSKI, A. Examination of brain and liver by /sup 99m/Tc, 24:32113
  - Strontium-85 in the diagnosis of bony metastases, 23:2867
  - Study of thyroid with /sup 99m/Tc, 24:32103
- MALINOWSKI, A. Z. Preparation and use of /sup 99m/Tc sulfide colloid, 23:50247
- MALINOWSKI, D. D. Iodine removal in the ice condenser system, 24:24920 (WCAP-7426)
  - Iodine removal in the ice condenser system, 24:33340
  - Iodine removal in the ice condenser system, 24:38558 (CONF-700608-16)
- MALINOWSKI, Jerzy Precise determination of uranium in pure uranium and uranium compounds by constant-current coulometric titration, 21:12341
- MALINOWSKI, M. E. Thermal conductivity of holmium below 1°K, 24:17273
- MALINOWSKI, S. Atomic polarizabilities and shielding factors in uncoupled Hartree—Fock approximation for atoms and ions in $^1S_0$ state, 21:24927
  - Atomic polarizabilities and shielding factors in the case of open shells of electronic systems, 21:24926
  - Atomic polarizabilities, coupled and uncoupled approximation in case of several open shells of electronic systems, 21:41761
  - Dynamic polarizability, coupled and uncoupled approximation for many open shells, 22:2790
  - Electric dipole hyperpolarizabilities for several open shells of electron systems, 22:29197
  - Electric dipole polarizability of atoms, 24:23823
  - Field methods of calculating the polarizability of atoms, 23:1212
  - Particle—atom interaction potential for low-energy scattering, 24:23809
  - Particle—atom interaction potential for low-energy scattering, 24:32663
- MALINSKII, B. I. Magnetoresistance and Hall effect of diborides of metals of the IV B subgroup, 24:35555
  - Magnetoresistance and Hall effect of metal carbides, 25:52964

- MALIPHANT, R. G. Unz's application of Schlomilch's integral equation to oblique incidence observations, 21:35087
- MALIQUE, C. Near-limb solar brightness distribution at 1216 A and 1300 A, 23:51281
  - Observation of brightness distribution at 1216 and 1300 A at solar limb, 23:39181 (NP-tr-1791)
- MALISHENKO, S. P. Isotopic effects in thermodynamic properties of simple gases and liquids, 25:33112
- MALISHEV, A. V. Cross sections of radiative capture of fast neutrons in iron, 21:23443 (BNL-tr-50)
- MALISHEVSKI, E. Determination of nuclear amplitudes of W isotope scattering using neutrongraphic method, 24:1853
  - Reciprocal geometry for phonon investigation using JINR IBR, 23:19117 (JINR-P14-4270)
- MALISHEVSKII, V. F. Effect of thermal treatment on superconducting properties of eutectic Zr—V alloys, 25:47479
- MALISSA, Hanns Present status of electron probe microanalysis, 24:48034
- MALISSEN, M. Market survey of water desalination in France, 23:49620
- MALISZEWSKI, E. Focusing of a time-of-flight diffractometer for structure analysis, 23:17847
  - Focusing of time-of-flight diffractometer for structure analysis, 22:23359 (JINR-E14-3759)
  - Spectrometer for thermal-neutron inelastic scattering studies at IBR, 24:9683
- MALISZEWSKI, Edward Spectrometer for inelastic scattering of thermal neutrons studies at pulsed IBR reactor, 22:40438 (INR-P-898/II/PS)
- MALITSON, H. H. Solar radio bursts, 23:36436
  - Type 3 radio bursts in the outer corona, 23:27295 (N-69-17934)
  - Type III radio bursts in outer corona, 23:46208
- MALJKOVIC, Darko Research into the technological process of uranium dioxide production by electrochemical reduction, 22:23867
- MALJKOVIC, T. Determination of ^{47}Ca and ^{85}Sr in biological samples by direct counting, 23:4964
  - Effect of BADE on elimination of radiostrontium from organism, 23:7944
  - Effect of chelating agents on radiostrontium metabolism, 22:43222
  - Influence of some chelating agents on radiostrontium metabolism, 23:38403
  - Reduction of the absorption and retention of strontium in rats, 21:39434
- MALJKOVIC, Tea Direct counting of ^{47}Ca and ^{85}Sr in biological samples, 25:18997
  - Toxicity of some new chelating agents for radiostrontium removal, 21:22303
- MALKANI, Kanaya Effects of x rays on intestinal submucosa of mouse, 23:29352
- MALKASIAN, George D. Treatment of invasive carcinoma of the cervix during pregnancy, 21:16379
- MALKASIAN, George D. Jr. Adjuvant therapy for advanced ovarian malignancy, 22:25913
- MALKE, H. Characteristics of transducing group A streptococcal bacteriophages A5 and A25, 25:27098
- MALKE, Horst Action of nitrosoguanidine and other DNA-inactivating agents, 23:9926
  - Dark reactivation of uv damage and nitrosoguanidine resistance in Streptococcus pyogenes, 22:23689
  - Host-cell reactivation of ultraviolet-damaged phase in Streptococcus pyogenes, 22:38506
- MALKEILY, Shimon Working of metal and metal alloy bodies, 25:49396
- MALKHANOV, V. P. Normal component density in concentrated helium isotope solutions, 21:3780
- MALKIELI, S. Cathodic fabrication of nuclear fuels and their cladding, 23:36057
- MALKIELY, S. Cathodic polarization of metals and alloys, 21:5865
  - Contact zone between nuclear fuel and can (U—Al), 21:45965
  - Interfacial corrosion in nuclear reactors, 22:23718
- MALKIELY, Shimon Electrolytic decontamination of radioactively contaminated equipment, 24:39203
  - Electrolytic dissolution of electro-negative metals, 23:9525
  - Electrolytic dissolution of metals from uranium, 24:19065
  - Separation of the core of a uranium fuel element from its envelope, 22:51154
  - Separation of the core of a uranium fuel element from its envelope, 23:31459
- MALKIN, A. A. Coherent states and transition probabilities in a time-dependent electromagnetic field, 25:1351
- MALKIN, I. A. Bloch functions of a relativistic charged particle in a magnetic field, 24:10651
  - Coherent states and Green function of charged particle in varying electric and magnetic fields, 25:30704
  - Coherent states for charged particle time-dependent magnetic field, 24:6669
  - Dynamic symmetry of relativistic symmetric Coulomb problem in case of continuous spectrum, 22:44471
  - Dynamical symmetry of discrete spectrum of relativistic hydrogen atom, 23:18421
  - Dynamical symmetry of nonstationary systems, 25:53243
  - Dynamical symmetry of relativistic charged particle in constant magnetic field, 23:14924
  - Excitation of charged particle in constant magnetic field by means of electric field, 25:17438
  - Helicity group in relativistic symmetrical Keppler problem, 23:3298
  - Symmetry of relativistic problems, 22:29674
- MALKIN, J. Contribution to the study of the influence of irradiation by neutrons on slip deformation mechanisms in polycrystalline iron, 22:28873
  - Hardening of pure iron by neutron irradiation, 24:14832
  - High-temperature embrittlement of AISI Type 316 austenitic stainless steels after irradiation, 24:29996
  - High-temperature embrittlement of austenitic stainless steels after irradiation, 23:12369 (CEA-CONF-1050)
  - Influence of neutron irradiation on steel 316, 24:2973
  - Relation between K/sub Ic/ and microscopic strength for low alloy steels, 25:55503
- MALKIN, L. Z. Kinetic energies and mass distributions of fragments of ^{244}Cm spontaneous fission, 24:38287
- MALKIN, O. A. Electron energy distribution function in a high-frequency induction discharge, 25:49888
  - Precursor ionization in front of a moving plasmoid, 24:37448
  - Small size probe for measuring alternating magnetic fields, 21:748
  - Two-step development of a current pulse between plane electrodes, 24:37449
- MALKIN, P. M. Calculation on the dosage of preparations reducing the deposition of ^{90}Sr in the organism, 23:12172
  - Deposition of ^{90}Sr in the skeleton, 25:23978 (AEC-tr-7195, pp 251-5)
  - Metabolism of radioactive and stable Ca, 21:36521
  - Penetration of ^{90}Sr from various foodstuffs and effect of composition of diet on its assimilation, 23:22180 (AEC-tr-6944, pp 641-50)
  - Protective action of alginic acid and Na alginate on receipt by the body of radioactive elements, 25:46890
  - Protective effects of calcium against accumulation of radioactive strontium in organisms, 21:4756
  - Protective effects of calcium alginate against chronic ^{90}Sr ingestion, 25:11103
  - Radiostrontium in food products diet and its assimilation by rats, 25:23974 (AEC-tr-7195, pp 226-35)
- MALKIN, S. D. Nuclear power plant simulator, 24:33243
- MALKIN, V. I. Aging features of copper—beryllium alloys dure to their thermodynamic properties, 22:49741
  - Thermodynamic properties of carbides from electromotive force measurements, 24:8106
  - Thermodynamic properties of Ni—Al alloys, 24:8105
- MALKINA, R. M. Behavior of ^{45}Ca and ^{90}Sr and their interaction during diffusion across a rigid membrane and in processes of absorption and build-up in rat organism, 23:22176 (AEC-tr-6944, pp 222-6)
  - Dynamics of ^{45}Ca and ^{90}Sr in rats, 25:23952 (AEC-tr-7195, pp 44-8)
  - Strontium-90 and ^{45}Ca metabolism in rats, 24:574
- MALKINSON, F. D. Biological depth dose studies in electron beam therapy, 23:29762
  - Depth dose studies in electron beam therapy: effects on anagen mouse hairs, 23:35861 (ACRH-31, pp 45-53)
  - Effects of radiations and radiation modifiers on growing hair, 24:27701
  - Human total-body retention and excretory routes of ^{75}Se from selenomethionine, 23:29309 (ACRH-30, pp 49-57)
  - Induction, persistence, and recovery of radiation damage in rodent hair cells, 23:29760
  - Modification of radiation response of tissue by colchicine: a clinical evaluation, 21:22475 (ACRH-26, pp 119-21)
  - Radiobiological dosimetry with high-dose-rate electrons, 23:50494
  - Reduced incorporation of isotope-labeled compounds in hair following ionizing radiation: dose responsiveness in anagen and telogen rodent hairs, 22:43391 (ACRH-28, pp 101-4)
  - Retention and excretory routes of selenomethionine, 25:6630
  - Some studies on the x-ray effects on resting hair cell population, 24:51024 (ACRH-1000-205)
- MALKINSON, Frederick D. Biological depth dose studies in electron beam therapy: effects on anagen mouse hairs, 22:6710 (ACRH-1000-26)
  - Depth dose in electron beam therapy, 22:51611
  - Persistent impairment of hair growth after single large doses of x-rays, 24:39565
  - Radiation injury and recovery in anagen and telogen rodent hairs, 22:36392
  - Reduced growth rates of hair in mice following radiation, 21:22670
  - Ultrastructural changes in rat vibrissae following irradiation. I, 23:41455
- MAL'KO, A. I. Angular distribution asymmetry of polarized deuterons elastically scattered on ^{32}S and ^{58}Ni nuclei, 23:10990
  - Asymmetry of angular distribution of products of the ^{12}C(d,d)^{12}C reaction with polarized deuterons, 21:2636
  - Asymmetry of angular distribution of the products of the reactions ^{60}Ni(d,d)^{60}Ni with polarized deuterons, 22:24838
  - Asymmetry of angular distribution of protons from reaction ^{40}Ca(d,p)^{41}Ca with polarized deuterons, 22:32556
  - Proton polarization in p^{20}Ne scattering at 1.5 to 2.4 MeV, 25:1733
- MALKO, J. A. anti pn elastic scattering from -t = 0.15 to 1.0 (GeV/c)^2 at 3.5 GeV/c, 24:30512
  - Antiproton—neutron elastic scattering at 3.5 GeV/c, 25:3267
- MALKO, John Anthony Investigation of reaction anti pn $\rightarrow \pi^-\pi^-\pi^+\pi^0$ at 3.5 GeV/c, 25:22685
- MAL'KO, L. N. Auroral frequency at Murmansk in years of maximum and minimum solar activity, 21:46254
  - Auroral zone, 21:5175
- MAL'KO, P. I. Installation for determining temperature dependence of resistivity over range of temperatures 300 to 2500° K, 22:52276
  - Temperature dependence of absolute thermo-EMF coefficient of certain transition metals, 25:56351
  - Temperature dependence of the electrical and thermal conductivity of rhenium and metals of the platinum subgroup, 25:55523
  - Thermal and electric conductivity of porous tungsten, 22:47679
- MALKOV, E. I. Absorptive part of an amplitude as a scalar product, 23:42760
  - Constraints on the partial amplitudes of an annihilation channel, 25:28097
  - Contribution of the peripheral part of many-particle states to the unitarity condition for $\pi\pi$-scattering, 21:9777
  - Positivity and $\pi\pi$ threshold scattering, 25:40992
  - Positivity of the absorptive part of interaction operator, 24:8620
- MALKOV, M. P. Conference on low temperature physics, Moscow, 8—9/66. II B, 24:5110
  - Conference on low temperature physics, Moscow, 8—9/66. II A, 24:8412
- MAL'KOV, P. I. Thermal conductivity of borides of metals of IV—VI groups, 22:679
  - Thermal conductivity of IV-VI group transition metal borides, 21:14900
- MAL'KOV, V. V. Attenuation of a high-energy neutron flux in a cylindrical duct, 25:22945
  - Biological shielding and technique of rapid ejection at 70 GeV, 24:1682 (CERN-Trans-69-13)
  - Biological shielding and technique of rapid ejection, 24:18321 (ORNL-tr-2290)
  - Concrete in shielding of nuclear installations, 22:29537
  - Role of boron-containing concretes as nuclear reactor shields, 22:25150
  - Shielding tests at 10-GeV proton synchrotron neutron beam, 24:45714
  - Yield of secondary neutrons in interaction of electrons with matter, 25:7131
- MALKOV, Yu. S. Phase equilibria in system Ni—Ni$_3$Al—Ni$_3$Nb in temperature range 800 to 1200°C, 24:10101
  - Use of simplex lattice method for construction of composition—property diagrams, 21:36875
  - Wrought heat-resistant alloys of Nb—Ni—Al system, 23:8230
- MALKOV, Yu. V. Basic operational characteristics of new reactor unit given, 25:34225 (JPRS-53069, pp 25-46)
- MALKOVA, A. I. Investigation of paramagnetic centers in gamma-irradiated Y-type zeolites by method of electron paramagnetic resonance, 23:4694
  - Studies of zeolite cation influence on γ radiolysis of adsorbed ammonia by the EPR method, 25:13057
- MAL'KOVA, T. V. Complex compounds of scandium with methylthymol blue, 23:34977
  - Stability of rare earth complex compounds with methylthymol blue, 23:4638
- MALKOVICH, R. Sh. Critical temperatures of superconducting metals in glasses and films, 24:26100
  - Superconducting transition of Ga in porous glass around 2°K, 24:35326
  - Superconductivity of metastable gallium phases in porous media, 24:26098
- MALKUS, Willem V. R. Hydromagnetic planetary waves, 21:31344
- MALL, G. H. Single- and double-pion production in proton—antiproton nonannihilations at 2.2 GeV/c, 25:56487
  - Spin correlations in anti pp $\rightarrow$ anti ΛΛ at 2.19 GeV/c, 24:12935
- MALLA, D. S. Susceptibility of strains of Penicillium viridicatum and Aspergillus flavus to β-irradiation, 21:34836
- MALLAMA, Anthony D. New delta Scuti variable (BD—6°4932), 24:51281
- MALLAMO, R. P-N semiconductor detectors for severe environmental conditions, 21:32468
- MALLAMS, J. T. Method for selective tissue oxygenation, 22:10828
- MALLAMS, John T. Oxygenation effect upon radiation therapy and isotope localization, 22:36312
- MALLARD, J. R. Aber-gammascope, 23:33469
  - Dielectric absorption of microwaves in human tissues, 22:6842
  - Dielectric absorption of microwaves in human tissues, 22:51628
  - Fundamental aspects of radioisotope scanning, 21:28545
  - High-resolution, small diameter image intensifier gamma camera system, 21:19910
  - Longitudinal and lateral response of multichannel focusing collimators, 22:23225
  - Principles of scanning and current physical problems, 24:34471
  - Quantitative analysis of scintiscan displays of brain, improvements to gamma camera, and phantom technique to intercompare performance of radioisotope scanning machines, 22:38401
  - Sensitivity and resolution in radioisotope scanning, 23:33440
  - Sensitivity and resolution in radioisotope scanning, 23:48103
  - Statistical model for visualization of changes in count density, 23:50696
  - Theoretical considerations of conditions for high resolution radioisotope scanning, 23:4992
  - Uptake of ^{65}Zn in human prostate, 24:14407
  - Use of short-lived radionuclides in high spatial resolution studies in nuclear medicine, 25:51847 (A/CONF.49/P-507)
  - Visualization in scanning, 23:33443
- MALLARD, John R. Physical aspects of scintiscanning, 25:4684
- MALLARD, John Rowland Improvements in or relating to apparatus for use in devices for investigating the distribution of radiation from an extended source of ionising rays, 25:37621
- MALLARD, W. C. Thermoluminescence and F-center bleaching in heavily irradiated KCl, 21:37580
  - Thermostimulated currents and thermoelectric power in irradiated MgO, 24:19952
- MALLARY, M. L. Test of the $\Delta S = \Delta Q$ rule in K/sub e3/° decay, 24:40239 (CALT-68-251)
- MALLEK, H. Management of radioactive waste at KFA, Juelich, 25:21119
- MALLEK, Heinz Improvements in management of intermediate level radioactive liquid and solid waste at KFA, Juelich, 25:32181 (JUL-710-DE)

- MALLEN, A. Adequacy of fast and intermediate cross-section data from neutron spectrum measurements in bulk media, 23:5762
  - Measurement and analysis of fast-neutron spectra in iron, 24:6810
- MALLEN, C. Source of heavy ions without electrode extraction, 23:34697
- MALLEN, J. Electrolytic deposits for welding by diffusion, 23:24912
- MALLEN, Jose Process for improving the mechanical characteristics of objects consisting of beryylium or beryllium alloy, 21:18274
  - Process for the manufacture of products of beryllium or beryllium alloy, 21:45877
  - Processes for the manufacture of beryllium products, 21:45879
- MALLEN GARZA, Alejandra de la Luz Recovery of H in reduction process, 22:25325 (NP-17354)
- MALLEN-HERRERO, Jose Maria Properties of beryllium-base alloys, 22:26034
- MALLEROY, Antoine Atomic breakthrough in the East, 22:53301
  - Control of fissionable materials, 24:2427
  - New linear accelerator at Saclay, 23:52092
  - Nuclear fusion presents new problems, 22:49059
- MALLET, Charles Problems of foundations of large accelerators of particles, 21:19107
- MALLET, Gavin R. Conference on applications of x-ray analysis, Estes Park, Colorado, 8/68, 24:4209
- MALLET, Pierre Health physics of installations uncanning irradiated fuels or handling radio-elements, 21:1736 (CEA-R-3019)
- MALLETT, A. J. Development of foam plastic as high temperature insulation and shock absorbent lining for UF_6 packages, 21:26135
  - Foam plastic insulation for high temperature and shock protection, 23:26493 (K-L-6202)
  - New end-loading shipping container for unirradiated fuel assemblies, 23:578 (CONF-681001-, pp 426-37)
  - Protective shipping package for 5-in.-diameter UF_6 cylinder, 21:30661 (K-1716)
  - Protective shipping packages for 30-inch-diameter UF_6 cylinders, 21:19810 (K-1686)
  - Protective shipping packages for UF_6 cylinders, 21:22115 (K-1714)
- MALLETT, Albert J. Protective packages for UF_6 containers, 21:254 (K-D-1926)
- MALLETT, B. L. Xenon-133 inhalation technique for regional cerebral blood flow studies, 22:25949
- MALLETT, Gavin R. Conference on applications of x-ray analysis, Denver, Colo., 8/67, 23:6065
  - Conference on applications of x-ray analysis, Denver, 8/66. X, 23:27112
- MALLETT, J. H. Compilation of x-ray cross sections, 24:24138 (UCRL-50174(Sect.4))
  - Compilation of x-ray cross sections, 23:41914 (UCRL-50174(Sec.2)(Rev.1))
  - Compilation of x-ray cross sections. III, 24:15149 (UCRL-50174(Sect.3))
  - Compilation of x-ray cross sections. I, 24:30132 (UCRL-50174(Sec.1))
- MALLETT, M. W. Ductility and formability of four varieties of molybdenum sheet, 22:34040 (GEPP-35)
- MALLETT, R. C. Determination of molybdenum by atomic-absorption spectrophotometry, 24:33628 (NIM-499)
- MALLI, G. Charge densities at the nucleus, 21:5073
  - Orbit—orbit interaction in f/sup N/ electron configurations, 23:44170
- MALLI, Gulzar Spin—other-orbit and spin—orbit interactions for some rare earth ions, 24:17632
- MALLI, Gulzari Accurate numerical Hartree—Fock self-consistent-field wave functions for rare-earth ions, 25:19478
  - Evaluation of orbit—orbit interaction in many-electron atoms, 21:43798
  - Intra-atomic magnetic interactions in f/sup n/ configurations. I, 23:12573
  - Many-electron systems: properties and interactions, 22:13628
  - Molecular Schroedinger equation. IX, 23:36490
  - Octopole hyperfine interaction constants, 21:11396
  - Physical properties of many-electron atomic systems. III, 21:3640
  - Physical properties of many-electron atomic systems from Hartree—Fock functions. VI, 21:24929
  - Physical properties of many-electron atomic systems from Hartree—Fock functions. V, 21:24928
  - Self-consistent field theory for positive ions, 21:11405
  - Spin—orbit and spin—other-orbit interactions for f^n electron configuration, 23:44167
  - Spin—other-orbit and spin—orbit splitting factors in f^n electron configurations, 24:17633
  - Spin—other-orbit interaction in many-electron atoms, 22:19750
  - Spin—spin interaction for some rare-earth ions, 23:44171
  - Spin—spin interaction in many-electron atoms, 22:19751
  - X-ray and electron scattering factors for many-electron atomic systems, 22:36746
- MALLI, M. Metallographic examination of electron-beam-molten niobium alloys, 23:6673
  - Metallographic investigations on WC single crystals, 21:16648
- MALLIA, E. A. $^{12}C/^{13}C$ ratio in solar photosphere, 22:17316
  - Abundance of chlorine in Sun, 23:1122
  - Abundance of chlorine in Sun, 25:58593
  - Abundances of elements in solar photosphere. VII, 23:12486
  - Abundances of elements in the solar photosphere. VI, 22:43832
  - Convective motions in solar photosphere, 22:29063
  - Forbidden line [Ca II] lambda 7323 in the Fraunhofer spectrum, 24:10306
  - Forbidden lines of Ca II in photospheric spectrum, 23:32110
  - Forbidden lines of Fe II in photospheric spectrum, 23:10390
  - Forbidden lines of OI in photospheric spectrum, 22:29074
  - Identification of NiH in sunspot spectrum, 25:30173
  - Intensity profiles of a sunspot near the solar limb, 24:44912
  - Low noise solar and laboratory spectroscopy. I, 21:39727
  - Penumbral magnetic field strengths, 24:17566
  - Possible existence of HOH lines in the sunspot spectrum, 24:28024
  - Rapid-scanning low-noise spectrometer for study of sunspot spectra, 24:15090
  - SiH band in Fraunhofer spectrum, 24:35107
  - Water vapour in sunspots, 24:32582
  - Weak molecular and atomic lines in photospheric spectrum, 23:10389
  - Zeeman splitting of molecular lines in sunspot spectra, 25:904
- MALLIARIS, A. Radiation crosslinking of polymers, 24:31426
  - Radiation crosslinking of polymers with segregated metallic particles, 24:46284
  - Radiation-curing of composites of metals and polymers, 25:4108
- MALLIARIS, A. C. Acceleration mechanisms in MPD accelerators, 23:25313 (AD-674615)
  - Electron attachment in ionized flows at elevated gas temperatures, 22:41340
  - Interaction of high-current electrical discharge with its self-induced magnetic field, 21:37442 (ARL-67-0007)
  - Oscillations in an MPD accelerator, 22:43966
  - Phenomena in cathode region of MPD accelerator, 21:33452
  - Plasma acceleration in an electrical discharge by the self-induced magnetic field, 21:42127
  - Prog. rpt. on high-power quasi-steady MPD acceleration, final, 5/70, 25:30599 (N-71-10100)
  - Spectroscopic study of ion—neutral coupling in plasma acceleration, 25:14306
- MALLIARIS, Angelos Influence of sample size on radiation damage of polyethylene, 25:54623
- MALLIK, D. D. Certain precise solutions for stationary gas flow in a perpendicular magnetic field, 21:18499
- MALLIK, M. U. Mutagenic effect of gamma rays on the immature and mature sperms of silkworm, Bombyx mori, 23:6407 (AECD/RB-8)
  - Sericulture and role of atomic energy for its improvements, 21:4667 (AECD/RB-3)
  - Stimulating effect of low dose gamma radiation on larvae of silk worm, 23:6559
- MALLIK, S. PCAC consistency condition and rho-dominance in πN scattering, 23:15133
  - Universality of rho-meson coupling and sum rules for pion scattering on hadrons, 23:21119
- MALLIK, Samir PCAC consistency condition and rho-meson contribution in S-wave for on-shell π—N scattering, 24:49489 (SINP-TH-68-2)
- MALLIKARJUNAN, R. Preparation of Zr metal from zirconium carbide, 22:52147
- MALLIKARJUNA RAO, K. R. P. Moessbauer spectra of ^{119}Sn in $EuSn_3$ and $GdSn_3$, 22:26461
- MALLING, H. V. Dose-rate effects on inactivation and mutation-induction in Neurospora crassa, 21:39379 (ORNL-P-3250)
  - Genetic alteration at molecular level of ultraviolet light-induced ad-3B mutants in Neurospora crassa, 25:42341
  - Identification of the genetic alterations in specific locus mutants at the molecular level, 24:34249
- MALLION, W. E. Design of a digital control panel for ^{60}Co radiotherapy unit, 22:51152
- MALLON, Barbara J. Correlation of heat of fusion and optical density in Penton, 21:39293 (UCRL-50293)
  - Gel formation in Penton with low-energy x-rays, 22:47156
  - Low energy radiation dosimetry method in range of 15 keV and below, 25:35033
  - Penton used as dosimeter for 4 to 15 keV x-rays, 22:379
  - X-ray degradation of Penton and its potential use as a dosimeter, 22:47154
- MALLON, C. E. Short-term anneal of 30-MeV electron damage in high-purity n-type silicon, 25:22612
  - Short-term annealing in p-type silicon, 25:21500
- MALLON, Michael H. Electron spin resonance of oriented RCHSR' sulfide radicals, 21:36017
- MALLON, Richard G. Measurements of magnetization in superconductive molybdenum, 21:33304
- MALLON, Richard Glenn Magnetization measurements in superconductive molybdenum, 21:9504
- MALLORY, E. C. Jr. Determination of Mo in fresh water, 23:49705
  - Water load of uranium, radium, and gross beta activity at selected gaging stations, water year 1960—61, 25:6424 (NP-18582)
- MALLORY, K. B. Control system for the SLAC, 21:38123
  - Effects of (not having) computer control for Stanford Linear Accelerator, 21:2546 (SLAC-PUB-221)
- MALLORY, M. L. Beam loss due to the τ/sub r/—τ/sub z/ = 1 and the 3τ/sub r/—τ/sub z/ = 3 resonances, 23:28050
  - Diagnostic system for optimization of the external beam quality of the Oak Ridge isochronous cyclotron, 21:38138
  - Heavy-ion accelerator facility featuring a separated-sector isochronous cyclotron, 25:31084
  - High performance heavy-ion source for cyclotrons, 25:33898 (ORNL-TM-3391)
  - Nuclear chemistry with the Oak Ridge isochronous cyclotron, 25:17929
- MALLORY, Merrit Lee Phase space density studies on cyclotron ion sources, 21:33844
  - Phase space density studies on cyclotron ion sources, 21:37963 (MSUCP-23)
- MALLORY, P. G. Silicon radiation detector monitors nitrogen 16 in a power reactor, 24:39270
- MALLOW, William A. Gelation procedure for liquid-scintillation counting, 21:45047
- MALLOZZI, P. J. Plasma processes in a low-pressure spark discharge, 24:40062
- MALM, B. E. Stationary model of metagalaxy, 23:41892
- MALM, D. L. Mass spectrographic determination of molybdenum in tantalum oxide capacitor films, 22:42615
- MALM, H. Two crystal (Ge(Li)) Compton spectrometer, 23:17794
- MALM, H. L. Encapsulated coaxial Ge(Li) detectors operated in parallel, 21:32463
  - Large-volume, high-resolution Ge(Li) spectrometer, 23:22081
  - Lithium-drifted germanium gamma-ray spectrometers at Chalk River, 22:14833
  - Performance of Ge(Li) detectors, 21:43222 (AECL-2762)
  - Performance of Ge(Li) detectors in the temperature range 5.0 to 170°K, 21:22139
  - Performance of Ge(Li) detectors over a wide temperature range, 23:22083
  - Recent work with Ge(Li) γ-ray spectrometers, 21:1563 (AECL-2607)
  - Use of collimated γ-ray beams in study of Ge(Li) detectors, 22:38041
  - Variation of the γ-ray resolution of Ge(Li) detectors with the position of irradiation, 22:2341 (AECL-2764)
- MALM, James R. Aortic valve homografts sterilized by electron beam energy, 22:19465
- MALM, Kaj Alpha^{2}CVn and modified solar model for magnetic stars, 22:36613
- MALMBERG, Allan F. Computational methods in NET-1 network analysis program, 21:40727 (LA-DC-8921)
  - NET-2 extensions and differences with NET-1, 21:38824 (LA-DC-8787)
- MALMBERG, Ester-Maria Effects of focused laser radiation on dental enamel, 22:31225
- MALMBERG, J. H. Collisionless damping of large-amplitude plasma waves, 21:44098
  - Measurement of velocity space diffusion using the plasma wave echo, 23:39471
  - Microwave scattering from plasma waves, 23:12895
  - Nonlinear development of the beam—plasma instability, 24:42690
  - Nonlinear effects of large-amplitude plasma waves, 22:41597
  - Nonlinear interaction of a small cold beam and a plasma, 25:33274
  - Observation of plasma wave echoes, 22:31845
  - Perturbation in the electron velocity distribution, 23:32522
  - Plasma wave echo experiment, 22:9319
  - Plasma wave echo, 21:35187
  - Prog. rpt. on plasma turbulence, final, 4/24/62—9/19/65, 21:7205 (AD-633974)
  - Spatial growth of waves in a beam—plasma system, 24:8502
  - Transition of the dispersion roots from beam-type to Landau-type solutions, 22:41596
- MALMBERG, John H. Fundamental modes of collisionless plasma, 22:36915 (N-68-22847)
- MALMBERG, P. R. Ion-implantation induced optical absorption edge shifts in GaP, 25:9562
  - Nondestructive assay of fissionable materials, 24:2166
- MALMBERG, T. Application of variation principles in creep mechanics to creep distortion problems in fuel element claddings, 25:54313
- MALMBORG, F. B. Prog. rpt. on evaluation of heat exchangers for sodium-cooled reactors, 4—6/68, 22:44840 (UNC-5221)
  - Prog. rpt. on heat exchangers for Na-cooled heat exchangers, 7—9/67, 22:10441 (UNC-5189)
  - Prog. rpt. on heat exchangers for sodium-cooled reactors, 1—3/68, 22:32788 (UNC-5213)
  - Prog. rpt. on performance evaluation of heat exchangers for sodium-cooled reactors, 10—12/67, 22:20823 (UNC-5200)
- MALMENDIER, Joseph William Structures and properties of La_2O_3—BaO—B_2O_3 glasses, 25:13019
- MALMENRYD, G. Analysis of stopping particles in a bubble chamber. I, 24:27405 (LUSY-6904)
  - Analysis of stopping particles in a bubble chamber. II, 24:27406 (LUSY-6905)
- MALMIN, R. Excitation functions from elastic ^{16}O scattering from nuclei with A approximately 16, 25:5566
  - Fission and the ion—ion interaction, 25:48126
- MALMIN, R. E. Coupled-channel analysis of α-particle scattering from the 5.23 MeV natural parity state of ^{24}Mg, 25:20344
  - Optical-model analysis of alpha-particle scattering from ^{24}Mg, 24:5405
- MALMIO, Kai Effect of irradiation on electrical impedance of brain tumors, 24:23279
  - Radiobiological treatment planning in radiotherapy, 24:23278
- MALMLOEW, E. G. Integration of nuclear units in power systems, 23:13517
- MALMON, A. G. High-resolution isotope tracing with induced nuclear reactions, 25:23941
- MALMQVIST, L. A photometric device for the identification of multiply charged particles stopping in nuclear emulsions, 22:19111
  - Isotopic composition of cosmic ray carbon, 24:44317
  - Low-energy heavy primary particles in cosmic radiation, 22:21978
  - Mass resolution in investigations of the isotopic composition of heavy elements in cosmic radiation, 24:44321
  - Photometric mass determination in nuclear emulsion on cosmic ray carbon. I, 25:18643 (NP-18672)
  - Relative abundance of ^{12}C and ^{13}C in primary cosmic radiation, 24:37285

MALMSKOG, G. Half-life measurements in ^{153}Gd, 21:23515
MALMSKOG, S. G. Absolute E1, $\Delta K = 0$ transition rates in odd-mass Pm and Eu isotopes, 22:27123
  Absolute M1 and E2 transition probabilities in ^{233}U, 22:27124
  Absolute transition rates in ^{183}W, 25:43903
  D/sub 5/2/ reversible g/sub 7/2/ transitions in odd mass Pm nuclei, 21:29956 (AE-278)
  Decay of ^{191}Os, 23:32921 (AE-352)
  Decay of ^{191}Os, 24:22160
  Decay of 205-keV level in ^{205}Tl, 22:20604
  Decay of the 16.3-min ^{182}Ta isomer, 21:13854 (AE-264)
  Decay of the 16.3-min ^{182}Ta isomer, 22:18263
  Decay properties of ^{147}Nd, 21:13855 (AE-265)
  Decay properties of ^{147}Nd, 22:14054
  ΔK absolute value $= 1$, E1 transitions in odd-mass isotopes of Tb and Eu, 22:1695
  E2 and M1 transition probabilities in odd-mass Hg nuclei, 24:8910
  E2 and M1 transition probabilities in ^{193}Au and ^{195}Au, 25:5701
  Evidence for large inertial parameter of high-lying rotational bands in ^{183}W, 22:27138
  Half life of the 53-keV level in ^{197}Pt, 21:17339 (AE-266)
  Half-life measurement of 343.4 keV level in ^{175}Lu, 23:44943
  Half-life measurements in ^{233}U, 24:43352
  Half-life measurements of excited levels in ^{121}I and ^{123}I, 25:36752
  Half-life of 53-keV level in ^{197}Pt, 22:20600
  Level structure in ^{193}Ir, 24:30835
  Level structure of ^{191}Ir, 24:30834
  Levels and transition rates in ^{199}Au, 22:1701
  Levels and transition rates in ^{199}Au, 22:11943 (AE-300)
  Levels in ^{191}Ir, 25:43902
  Lifetimes of excited nuclear levels, 25:28341 (CERN-70-30(Vol.2), pp 1115-18)
  Low-energy band structure in ^{187}Os, 25:36805
  Magnetic properties of the $K = 1$ rotational band in ^{188}Re, 22:27125
  Negative parity states in odd-mass Ir and Au nuclei, 25:17925
  Possible deformed states in ^{115}In and ^{117}In, 21:13853 (AE-263)
  Possible deformed states in ^{115}In and ^{117}In, 21:23490
  Possible nuclear co-existence in odd-mass Ir nuclei, 25:28324 (CERN-70-30(Vol.2), pp 957-65)
  Present status of the half-life measuring equipment and technique at Studsvik, 22:27240
  Properties of s/sub $^1/_2$/ $\rightarrow$ d/sub $^3/_2$/ transition in ^{199}Au, 21:21514 (AE-268)
  Properties of S/sub 1/2/ $\rightarrow$ d/sub 3/2/ transition in ^{199}Au, 22:20606
  Transition probabilities in ^{189}Os, 24:49879
  Transition probabilities in ^{99}Tc, 25:23053
  Transition rates in ^{161}Dy, 23:52150
  Transition rates in ^{193}Au, 25:20453
  Transitions d/sub 5/2/ reversible g/sub 7/2/ in odd-mass Pm nuclei, 22:20602
  Transitions, lifetimes, and levels in ^{149}Pm, 22:20605
MALMSKOG, Sven G. 93.54 keV level in ^{91}Sr, 24:26659
  Absolute E1, $\Delta K = O$ transition rates in odd-mass Pm and Eu-isotopes, 21:40419 (AE-287)
  Absolute transition probabilities from the 453.1-keV level in ^{183}W, 21:10020
  Absolute transition rates in ^{189}Ir, 24:11009
  Decay characteristics of levels in ^{151}Eu, 24:8909
  Energy levels in ^{183}W, 25:15043
  Half-life measurements in ^{153}Gd, 21:10017
  Half-life measurements of levels in ^{75}As, 23:44872
  Magnetic properties of $K = 1$ rotational band in ^{188}Re, 21:31769 (AE-280)
  Possible odd-parity state in ^{129}Xe, 21:10019
  RPC calculations for K-forbidden transitions in ^{183}W evidence for large inertial parameter connected with high-lying rotational bands, 21:46750
  Table of half-lives for excited nuclear levels, 24:52546 (AE-400)
  Transition probabilities in the $^1/_2{}^+$(631) band in ^{235}U, 24:52591
  Transition rates in medium and heavy nuclei, 22:22587 (NP-17386)
MALMSTEN, B. Accuracy of compensation in Li drifted Ge detectors, 24:29525
  Special cryostats for lithium compensated germanium detectors, 22:38057 (AE-320)
MALMSTEN, G. Decay of ^{140}La, 21:33998
  Decay of ^{191}Au and the level scheme of ^{191}Pt, 21:27606
  Determination of relative intensities of M internal conversion lines in pure E2 transitions, 23:4024
  Electron binding energies in promethium, 24:21551 (UUIP-635)
  Establishment of an excited state at 1.64 keV in ^{193}Pt, 22:14015
  Internal conversion of 114 keV transition in ^{175}Lu, 23:17120
  Internal conversion study of decay of ^{193}Au, 22:20581
  K/L, L/sub III//M/sub III/, and M/(N + O + P) ratios in pure E2 transitions, 23:4023
MALMSTEN, Goeran Decay of ^{152}Eu, 21:10024
MALNAR, L. Measurement of weak magnetic fields by magnetic resonance, 21:43895
MALNES, Dag Slip ratios and friction factors in the bubble flow regime in vertical tubes, 21:14384 (KR-110)
MAL'NEV, A. F. Experimental studies of γ-radiation effects on electrical and spectral properties of triglycine sulfate, 22:18844
MALO, Alvarez S. Intercomparison of absorbed dose in ^{60}Co teletherapy using mailed LiF dosimeters, 23:29526
MALO, S. A. IAEA program in medical radiation dosimetry, 23:50497
MALOCH, J. Plasma acceleration by means of external magnetic field, 25:11882
  Polarization of the plasma cluster during acceleration, 24:30345
  Velocity relations in the rail accelerator without an external magnetic field, 25:3077
MALOJCIC, R. Thermodynamic secondary deuterium isotope effect in the thermal rearrangement of biallyl, 23:28848
MALOJCIC, Rajko Thermodynamic and kinetic secondary isotope effects in the Cope rearrangement, 25:2188
MALONE, B. B. Anthocyanin pigments in mutant and non-mutant Coleus plants, 22:17013
MALONE, C. R. Feeding rates of freshwater snails determined with ^{60}Co, 24:7708
MALONE, D. F. Opto-electronic feedback preamplifier for high-resolution nuclear spectroscopy, 23:33487
  Small x-ray tubes for energy dispersive analysis using semiconductor spectrometers, 25:51934 (LBL-10)
MALONE, J. A. Crystal structure of Lu_2TeO_6, 24:3026
MALONE, J. P. General description of expected size and capability of 1100 MWe reactor spent fuel shipping casks, 25:48869 (CONF-710801-(Vol.2), pp 990-4)
MALONE, R. C. Possible recombination lines from molecular-hydrogen regions, 25:40235
MALONE, Stephen D. Strain effects of nuclear explosions in Nevada, 25:21224
MALONEY, C. E. New measurements of the thermal velocity distributions in electron beams, 21:33140
MALONEY, C. R. C. Comparison of switching speeds of implant auto-registered and diffused mist, 25:18858
MALONEY, E. H. Transport of radioactive corrosion products in sodium loop, 24:2889
MALONEY, J. C. Field-expedient incinerator, 22:21229 (AD-664118)
MALONEY, J. E. Branching ratio and form of interaction for beta decay of Λ hyperon, 23:42545
  Instrumental factors and measurement of pulmonary function with ^{133}Xe, 21:22500
  Lung scanning with radioactive gases, 23:19952
MALONEY, J. P. Repair of a nuclear reactor vessel, 23:37682 (DP-1199)
  Repair of a nuclear reactor vessel, 24:22848 (DPSPU-69-30-12-X)
MALONEY, Joseph C. Experimental comparison of fallout field simulation techniques, 25:13117 (AD-711532)
  Fallout migration from a sloped roof, 24:36407 (AD-703856)
  Radioactive liquid waste concentration in a disposable container, 23:21920 (AD-675426)
  Radiological decontamination and waste disposal research, 21:43438
MALONEY, Kenneth M. Kinetic isotope effects in C_2H_5NC—C_2D_5NC, 23:40653
MALONEY, M. A. Effect of whole body gamma irradiation on white leghorn and bobwhite quail, 24:25564
MALONEY, M. David Anomalous behavior of H/sub c3//H/sub c2/ near T/sub c/ for Sn—In and In—Bi alloy systems, 25:1121
  Superconductive supercooling and superheating of small cadmium spheres: size effects, 25:30428
  Variation of the ratio H/sub c3//H/sub c2/ in the immediate vicinity of T/sub c/, 24:10454
MALONEY, Mary A. Influence of time of x-irradiation on the regenerative process after localized bone marrow depletion, 24:48703
  Origin of repopulating cells after localized bone marrow depletion, 23:35907
  Radiosensitivity of the process initiating bone marrow regeneration, 24:19362
  Reconstitution of bone marrow in a depleted medullary cavity, 24:17133 (UCSF-10-P-2-96)
  Reconstitution of bone marrow in a depleted medullary cavity, 25:16340
  System aspects of granulopoiesis and radiation effects, 23:38750
MALONEY, T. H. Electrical loads for EFD generator, 25:47358 (AD-716102)
MALONEY, William C. Observations on pancreatic islet cell and other radiation-induced tumors in the rat, 21:6677
MALOOF, S. R. Dislocation etch pitting studies on W single crystals, 23:972
  Fracture of tungsten single crystals at low temperatures, 21:488
  Plastic deformation of tungsten single crystals at low temperatures, 21:487
MALOS, J. Further evidence for $N^{*1}/_2$ nucleon resonances in the mass range 1800 to 2200 MeV, 23:42571
MALOSSI, S. Health physics experiences in ENEL nuclear electric centers, 25:42478
  Management experience with radioactive wastes from ENEL nuclear power stations, 25:21357
MALOSTI, D. Amplifier with drift compensation utilizing field-effect transistors, 23:29161
  Analog analysis of radial temperature distribution in inductive plasma jet, 22:34591 (RT/FI-(68)12)
  Logarithmic and period amplifier for automatic control of nuclear installations, 22:21386 (RT/EL-(67)12)
MALOV, A. F. Certain ionic-optical properties of static axial-symmetric magnetic and electrical fields, 21:29682 (AD-645794, pp 65-83)
  Focusing of ion beams in two-dimensional magnetic fields, 24:49669
  Generalized orthogonal coordinates for charged-particle trajectories in an electromagnetic field, 25:50033
  Influence of fringe field of capacitor on focusing of charged particles, 21:5279
  Ion beam aberration and drift by marginal fields with transverse variants in the magnetic prisms, 22:46653
  Method for focusing correction of magnetic ion-optical systems with thin contoured shims, 23:33564
  Three-sector focusing magnetic prisms with r^{-1} field. I, 24:40530
MALOV, G. A. Clinical aspects of diagnostic uses of radioactive isotopes in USSR, 25:52128 (A/CONF.49/P-462)
  Express method of determining the circulating blood volume with the aid of radioiodine-labelled albumin, 25:24035
MALOV, I. F. Scintillations on irregularities of nebular plasma as cause of variation of intensity of OH line emission of radio sources, 24:25853 (CSIRO-Trans-9719)
MALOV, L. A. Equilibrium deformations of nuclei in range $50 < Z < 82$, $50 < N < 82$, 22:32568 (JINR-E4-3816)
  Equilibrium deformations of nuclei with $50 < Z < 82$, $50 < N < 82$, 23:13272
  Equilibrium deformations of the ground and excited states of strongly deformed nuclei, 22:24894 (JINR-E4-3703)
  Non-rotational state of deformed nuclei with an odd number of neutrons in range 165 less than or equal to A less than or equal to 175, 25:10028 (JINR-P4-5228)
  Non-rotational states of deformed nuclei with odd number of protons at 177 greater than or equal to A greater than or equal to 187, 24:8900
  Non-rotational states of odd-mass nuclei in the actinide region, 25:31306 (JINR-P4-5693)
  Nonrotational states of odd-N deformed nuclei in region 153 less than or equal to A less than or equal to 171, 25:28346 (JINR-E4-5567)
  Octupole states of even—even nuclei in region 150 less than or equal to A less than or equal to 176, 24:30808
  Octupole states of even—even nuclei in the range 150 less than or equal to A less than or equal to 176, 24:43502
  Pair correlations of superconducting type for nuclei in region $100 < A < 256$, 22:14065
  Pair correlations of superconducting type in nuclei with a > 100 using the Saxon-Woods potential, 24:49927 (JINR-P4-5125)
  Pairing correlations of superconducting type for nuclei in energy region $100 < A < 256$, 21:34027 (JINR-P4-3329)
  Quadrupole and octupole one-phonon states in region 174 less than or equal to A less than or equal to 188, 23:4051 (JINR-P4-4073)
  Quadrupole and octupole single-phonon states of nuclei in region of 174 less than or equal to A less than or equal to 188, 23:49401
  Quadrupole one-phonon states of even—even nuclei in region 150 less than or equal to A less than or equal to 174, 23:4049 (JINR-E4-4075)
  Quadrupole one-phonon states of even—even nuclei in region 150 less than or equal to A less than or equal to 174, 23:37212
  Single-particle energies and wave functions for Saxon—Woods potential and levels of odd-A nuclei in actinide region, 25:50754
  Single-particle energies, and Saxon—Woods potential for wave functions, and levels of odd parity nuclei of actinides, 25:23023 (JINR-P4-5470)
  Single-phonon states of even—even nuclei in the actinide region, 24:52645 (JINR-P4-5126)
  Spontaneously fissioning isomers, 22:20644
  Structure of the ground and excited states in odd deformed nuclei in the actinide region, 21:21558
MALOV, M. M. Proton scattering on a tungsten single crystal, 21:44196
MALOV, V. V. Properties of low-lying 2^+ levels, 24:30890
  Quasiclassical calculation of the effective quadrupole charge and of the quadrupole-quadrupole interaction constant, 21:44778
MALOV, Yu. I. Steady flow of a conducting fluid in a rectangular channel, 25:24950
MALOVICHKO, I. I. Liver cells in rats irradiated with 800 r, 25:21747
  Respiration and oxidative phosphorylation of bone marrow tissue of irradiated rabbits after homotransplantation of bone marrow elements, 25:27019
  Treatment of acute radiation sickness with bone marrow transplants, 25:11100
MALOW, G. Isotopic exchange between glasses and nonaqueous liquids, 25:41810
MALOWICKI, E. Gamma photon tracker feasibility experiments, 21:3332
MALOY, J. O. Beam energy meter and beam energy control, 21:40299 (CALT-68-139)
  Injection timing and rf control system of Cal Tech 1.5 GeV electron synchrotron, 21:29652 (CALT-68-109)
MALOYAN, A. G. Gamma radiation of ^{154}Eu at energies from 600 to 2400 keV, 21:29990
  Gamma spectrum of ^{140}La at energies from 300 to 1610 keV, 21:29989
  Gamma spectrum of ^{154}Eu, 21:27590
  Possibility of investigating photonuclear reaction at high energies by mass spectroscopic method, 23:27737
MALPIECE, C. Narrow band uv irradiation, 24:822
MALRIN, J. Progress with the ultrasonic testing of small tubes for the nuclear industry, 25:6486
MALSBURG, Ch. V. D. Angular distributions of ^{90}Zr(d,p) reaction and coupling of analogous (d,p) and (d,n) channels, 21:17359
  Measurements of the vacuum polarization in muonic atoms, 24:51412
  Nuclear γ-rays following μ-capture, 24:52497
  Pionic 2p level widths in light nuclei, 23:28265
MALSEED, C. Flux pinning by grain boundaries in a type-II superconductor, 22:38968
  Flux trapping in a type-II superconductor, 22:39029
  Superconductivity in Pb—Bi system, 23:20860
MAL'SHEVA, N. G. Radiation effects on flotation of minerals, 21:41045
MALSKA-WANIEWSKA, Izabella Lymphographic pictures of lymphatic nodes after x-ray irradiation, 22:43465
  Lymphography of lymph nodes following x radiation, 23:29651
MALSKY, S. J. Measurement of radiation dosage within the living subject: the need and the means, 22:38333

  Thermoluminescent dosimetry application in medicine and biology, 22:15013
MALSKY, Stanley J. In vivo radiation dosimetry. Review of a 12-year experience, 25:24171
  Radiation exposure to personnel during cardiac catheterization, 25:55226
MALT, Joseph Conference on high temperature refractory metals, New York, 2/64. II, 23:27091
MALT, Ronald A. Effects of laser radiation on subcellular components, 22:12783
  Increased efficiency in liquid scintillation counting, 21:15872
  Optical masers in biology and medicine, 21:12896
MALTBY, George L. Progressive thorium dioxide myelopathy, 21:1802
MALTBY, P. Continuum intensity of the umbra of large sunspots, 24:44911
  Effect of magneto-sonic waves on a Zeeman triplet with application to sunspots, 22:34226
  Effect of progressive Alfven waves on profiles of solar spectral lines, 22:52312
  Effect of progressive sound waves on the profiles of stellar spectral lines, 21:31147
  Effect of saturation on Zeeman triplets, 22:31545
  Effect of scattered light on solar intensity observations, 25:40254
  Evershed effect as a wave phenomenon, 22:11177
  Intensity of the penumbra of large sunspots, 23:39229
  Model for the penumbra of sunspots, 23:46198
  Self-reversal of the lithium resonance doublet in sunspots, 25:903
  Solar lithium abundance, 25:13870
  Sunspot intensity during May 9, 1970 Mercury transit, 25:49674
MALTHOUSE, F. Initial tests of a high-gradient 550 kV accelerating tube with a duoplasmatron expanded plasma proton source, 21:29788
MALTHOUSE, H. F. Three MeV experimental proton linac, 23:19067 (BNL-50120(Pt.2), pp 626-34)
MALTRET, Jean-Louis Composite particle in Lee model, 24:20090
MAL'TSEV, A. P. Accelerating field focusing and phase oscillations, 21:17240
  Beam drift in ion linear accelerators with quadrupole focusing by accelerating field, 21:11898
  Calculated parameters of the self-focusing linac model, 23:52041 (IFVE-INZH-69-2)
  Linear ion accelerator with focusing by an accelerating field, 22:26741 (BNL-tr-177)
  Self-focusing ion linac, 22:32321 (CEAL-2000, pp A50-5)
  Self-focusing proton linear accelerator, 23:19080 (IFVE-INZH-68-35-K)
MAL'TSEV, A. V. Influence of ionizing radiation on content of histones and DNA in nuclei of plant cells, 24:27541
  Influence of irradiation of seeds upon changes of sulfhydryl group level in sprouts of fodder beans and clover, 24:34133
  Radiosensitivity of bean and clover seeds, 24:51103
MAL'TSEV, E. I. Decay $K^+ \to \pi^+\pi^0\gamma$ in π^+-meson energy region $T_{\pi^+} < 55$ MeV, 24:15466
  Experimental study of three-particle lepton decay of charged K-mesons, 22:13643
  Measurement of π^-p scattering near 180° in 4 to 7 GeV/c π^--meson beam, 22:13665
  Measurement of π^-p-scattering near 180° in 4—7 GeV/c π^--beam, 21:18907 (JINR-P13-3132)
  Possibility of experimental separation of direct emission processes and bremsstrahlung of γ-quantain K^+-meson radiative decays, 22:13713 (JINR-P1-3594)
  Relaxation currents in the pulse radiolysis of ketones, 25:21045
  Scattering of neutrons by parametrically excited spin waves, 22:44258
  Weak-electromagnetic K-meson decays, 23:51905 (JINR-P1-4557)
MAL'TSEV, E. K. Effect of electron bombardment on luminescence of electroluminophors, 24:31411
MAL'TSEV, M. B. Technology of high-melting metals and special alloys, 23:3017
MAL'TSEV, M. V. Nature of brittleness of molybdenum, 21:45914
  Recrystallization of modified Mo and its alloys, 23:41675
  Rolling of Mo, 23:29999
  Wrought molybdenum-base alloy, 23:27088
MAL'TSEV, Mikhail Vasil'evich Technology of the production of niobium and its alloys, 22:34025
MAL'TSEV, N. A. Chlorination of thorium dioxide, 24:38817
MAL'TSEV, V. A. Critical current in alloys with rigidly pinned vortex lattice, 23:36620
  Critical currents in superconducting alloy, 23:18536
  Effect of dispersed precipitation on the critical current density in zirconium—niobium alloys, 22:31748
  Effective temperature of cosmic blackbody radiation at 3.58 mm, 25:45286
  Similarity of longitudinal and transverse critical currents in superconducting alloys, 23:48870
  Structural properties of metastable β and ω modifications in pure Zr, 23:12349
MALTSEV, V. F. Oxidation of Ce(III) by permanganate and its determination, 22:45016
  Rapid method for determination of microquantities of cerium, 23:28703
MAL'TSEV, V. M. Calculation of double charge exchange of π-mesons by nuclei, 21:9707 (JINR-P2-3004)
  Calculation of double charge exchange of π-mesons on nuclei, 21:40244
  Calculation of fast-particle-initiated nuclear fission, 21:2718
  Inelastic interactions of particles at high energies. I, 21:7502
  Inelastic interactions of particles at high energies. II, 21:46550
  Inelastic particle interaction at high energies, 22:39253 (ORNL-tr-1538-A)
  Interaction of fast protons with heavy nuclei, 21:2720
  Investigation of the ^{6}Li production on the nuclei Ag and Th induced by the 660 MeV protons, 22:5855
  Kinematic characteristics of residual nuclei in cascade process at proton energy 660 MeV, 21:25508 (JINR-P2-3201)
  Kinematic characteristics of residual nuclei in cascade process at 660 MeV proton energy, 22:22629
  Model of the multiple particle production, 25:43614 (JINR-P2-5829)
  Nuclear reactions on Ir, Ta, and Er, induced by protons with energies up to 85 Mev, 21:2710
  Parametrization of unitary and statistical weight, 24:13125 (JINR-P2-4845)
  Statistical model of multiple particle production with breaking unitary symmetry, 21:4095 (JINR-P2-2956)
  Statistical theory with breaking unitary symmetry for annihilation processes, 21:7497 (JINR-P2-3001)
  Statistical unitary—symmetric theory of the annihilation processes, 21:44423
  Statistical weight of the state with an arbitrary number of octets and decuplets, 23:25675 (JINR-P2-4367)
  SU(3) symmetry and statistical model for multiple particle production, 25:22857 (JINR-E2-5599)
  SU(3) symmetry and statistical model for multiple particle production, 25:53257
  Sum rules for processes of multiple production of pions in hadron collisions, 23:51928
  Triplet representations of D-functions, 24:3708 (JINR-P2-4684)
  Unitary statistical model of multiple particle production, 21:7523 (JINR-P2-3007)
  Unitary statistical model of multiple production of particles, 22:22433
  Unitary—symmetrical statistical model of multiple particle production, 21:21212 (JINR-P2-3182)
  Unitary-symmetrical statistical model of multiple particle production, 22:32139
MAL'TSEV, V. N. Effects of ionizing radiation on the immunobiological reactivity of dogs, 24:7767
MAL'TSEV, V. T. Phase diagram of the system PbO—MoO_3, 25:35581
MAL'TSEV, V. V. Investigation of the operation of the duoplasmatron during pulse injection of the gas, 21:23383
MAL'TSEV, Yu. A. Trapping levels and carrier mobility in B, 25:7481
MAL'TSEVA, G. K. Temperature relaxation in metals, 25:58241
MAL'TSEVA, G. V. Photometric determination of tungsten and molybdenum as their heteropoly compounds, 23:7482
MAL'TSEVA, L. F. High-temperature materials, 25:42853
MAL'TSEVA, L. S. Determination of Al in U alloys using Chrome Azurol S, 24:13750
MAL'TSEVA, Lyudmila Fedorovna High-temperature materials, 22:31360
MAL'TSEVA, N. F. Effect of the westward frequency drift in intervals of pulsations with decreasing period, 25:33150
  Formation of pulsation intervals of decreasing period in the electromagnetic field of the Earth, 22:38948
  Intervals of pulsations with ionospheric disturbances, 24:6456
MAL'TSEVA, N. S. Chromatographic separation of elements of the first group on silica gel, 25:21093
  Fast method of solving concentrated Fr solutions by means of extraction chromotography, 21:5992 (JINR-P-2877)
  Ge(Li) gamma spectrometers for measurement of mass distribution of fission fragments, 23:45539
  Investigation of many-nucleon transfer reactions induced by heavy ions on nuclei in intermediate mass region, 24:38286
  Kinematic characteristics of residual nuclei in cascade process at proton energy 660 MeV, 21:25508 (JINR-P2-3201)
  Kinematic characteristics of residual nuclei in cascade process at 660 MeV proton energy, 22:22629
  Observation of Po and At isotopes among fragments from fission of ^{238}U bombarded by ions ^{22}Ne and ^{40}Ar, 23:5886
  Observation of Po and At isotopes in fission fragments when bombarding ^{238}U with ^{22}Ne and ^{40}Ar ions, 22:22582 (JINR-P7-3710)
  Preparation of concentrated cesium solutions by extraction and precipitation chromatography method, 24:2394 (JINR-P12-4590)
  Relative yields of secondary [(p,xn)α] reactions on Bi in range E/sub p/ = 120-660 MeV, 25:36723 (JINR-P1-5530)
MAL'TSEVA, O. A. Analytical expressions for coefficients of the correction method, 25:33145
  Correcting N(h) profiles of F region, 24:30273
  Correcting N-h profile with allowance for unobserved ionization, 25:33144
  Middle-latitude types of E, 23:10419
  Multilayer approximation of ionization distribution in unobserved regions, 25:47441
  Possible application of correlation methods to E/sub s/ analysis, 23:3358
MALTZ, J. Conference on refractory metals and alloys IV, French Lick, Ind., 10/65. II, 23:48317
  Conference on refractory metals and alloys IV, French Lick, Ind., 10/65. I, 23:48316
MALTZ, Joseph Less common refractory metals, 22:52161 (N-68-23247)
  Less common refractory metals, 23:18226
MALTZEFF, P. Preparation of particles of uranium carbide by the sol-gel method, 23:12394 (ORNL-tr-1782)
  Preparation of Th—U dicarbide particles by sol-gel method, 21:3015 (RT/CHI-(66)12)
  Sol—gel processes for production of ceramic fuels, 23:3128
MALTZEVA, N. F. Properties of lower exosphere resonance cavity, 22:47946
MALU, F. Nuclear science in the Democratic Republic of the Congo, 24:46092
  Prospection, exploitation, and development of radioactive ore deposits in the Democratic Republic of the Congo, 24:44139
MALU, Felix Experience of D.R.C. concerning the development of research reactor in TRICO Nuclear Center, 25:54190 (A/CONF.49/P-776)
MALUCC, R. D. Muon—nucleon inelastic scattering, 24:20059
MALUCCI, R. D. Secondary particle production in high-energy muon—nucleon interactions, 24:20058
MALUEG, Kenneth Wilbur Ecological study of chaoborus, 22:38236 (COO-1281-6)
MALUMIAN, V. H. Radio emission from Markarian galaxies, 25:7110
MALUMYAN, V. G. Break in the radio emission spectrum of Cassiopeia A, 23:1112
  Low-frequency spectra of extragalatic radio sources, 25:2845
  Observations of cosmic radio sources at 60 Mc, 24:23624
  Radio emission of the galactic nucleus, 22:43708
  Right ascensions and flux densities of 30 radio sources, 24:46914
MALUSHINSKA, K. Angular distributions of neutrons from ^{12}C(t,n)^{14}N reaction, 21:11969 (JINR-P3-3079)
MALUSZYNSKA, K. Investigation of ^{9}Be(t,n)^{11}B reaction at 1.10 MeV, 25:9976 (JINR-P15-5148)
  Reaction ^{12}C(t,n)^{14}N at 1.1 to 1.7 MeV, 25:50639
MALUSZYNSKA, Krystyna Effects of gamma- and x-irradiation on nucleotides of lymph nodes, 24:34102
MALVANO, R. 500-MeV linac-powered race-track microtron, 24:52349
  Determination of bromine in human tissues, 24:41725
  Determination of some trace elements in human serum—albumin by neutron-activation analysis, 21:12352
  Efficiency calibration of 3" x 3" NaI(Tl) crystals, 21:3272
  High-energy photodisintegration in C, O, and Ca, 21:27537
  Inelastic electron scattering from the giant resonance in ^{12}C, 22:41963
  Iodine activation analysis in materials of biological interest, 23:17382
  Iodine determination in tissues by neutron-activation analysis, 24:44402
  Iodine pools of muscular and adipose tissues, 25:6602
  Neutron activation analysis for sodium traces in magnesium, 21:30377
  Neutron activation analysis of iodine in man, 23:5038
  Neutron activation analysis of trace elements in uremic patients, 23:4568
  Photoeffect at high energies, 23:21394
  Production of carrier-free ^{24}Na, 21:15916 (EUR-3258.e)
  Production of carrier-free ^{24}Na by irradiation of pure Mg matrices in pool reactors, 21:14254
  Single-step radiochemical separations by column procedures in activation analysis, 22:25284
  Use of neutron-activation analysis in the study of exogenous inclusions in ferrous materials, 22:14451
MALVICINI, A. Concentration factors for Sr and Cs in fish, 24:29707
  Emergency planning at the EURATOM Research Centre, Ispra, 24:7893
  Environmental radioactivity, Ispra, 1966, 21:43056 (EUR-3554.e)
  Plutonium-239 and 238, ^{90}Sr, and ^{137}Cs in surface air from mid 1961—65, 23:11661
  Strontium-90 and ^{137}Cs herbage to milk transfer, 23:14187
MALVILLE, J. McKim Coronal lines in shell of T Coronae Borealis, 23:6779
  Emission lines of Fe XIII during solar eclipse of May 30, 1965, 22:842
  Excitation of the infrared lines of Fe XIII in the solar corona, 21:20633
  Magnetic fields in two active prominences, 23:1119
  Motions and magnetic fields in quiescent prominences, 22:43793
  Observability of the 3 cm line of hydrogen during solar flares, 22:23960
  Periodic structures in quiescent prominences, 23:51289
  Photoelectric measurements of green coronal line during eclipse of 11/12/66, 22:41284
  Profiles of H and K lines of CaII in disk flares, 23:34221
  Sodium D lines in comet 1965-f near perihelion passage, 22:47770
  Spike bursts during the type-IV event of February 5, 1965, 21:16777
  Starting frequencies of type III bursts, 22:15304
MALWAD, N. M. Civil defence: annotated bibliography, 1960—68, 24:39512 (NP-18298)
  Civil defence, an annotated bibliography 1960-1968, 25:42505 (BARC/BIB-1)
MALWINSKA, Kristina Influence of semi-dehydration on the response of Streptococcus liquefaciens to uv light, 24:34782
MALY, J. Amalgamation behavior of heavy elements. I, 21:43034
  Decay properties of the new isotope ^{243}Cf and of ^{244}Cf, 21:21553
  Investigation of actinides. I, 22:44982 (RFP-Trans-49)
  Long-range fission fragments induced by irradiation with electrons, 25:36791
  Spectrum of transfer reactions in the interaction of heavy ions with nuclei, 22:27197
MALY, Jaromir Amalgamation behavior of heavy elements. II, 22:156
  Amalgamation behavior of heavy elements. IV, 23:15934
  Amalgamation behavior of heavy elements. III, 23:17529

  Calculations of the flattening of idealized nuclei during head-on collisions, 22:27340
  Calculations of the flattening of idealized nuclei during head-on collisions, 23:49449 (UCRL-17541)
  Evaporation of 3 to 8 neutrons in reactions between ^{12}C and various U nuclides, 22:30000
  Nobelium: tracer chemistry of the divalent and trivalent ions, 22:30579
  Tracer chemistry studies of nobelium, 22:23006 (UCRL-17996)
MALY, L. Conversion electrons in decay of ^{191}Os, 21:46770
  Excited levels in the decay ^{183}Os $\rightarrow$ ^{183}Re, 25:5741
  Level structure of ^{193}Ir, 22:9857 (UJV-1909)
  Level structure of ^{193}Ir, 23:5907
  New higher levels of ^{144}Nd in decay of ^{144}Pm, 21:33981
  Radioactive decay of ^{182}Os, 24:18419
  Radioactive decay of /sup 183+183m/Os, 24:30765 (UJV-2347-F)
MALY, M. Corrections for the geometric distortions in spark chamber pictures, 21:6248
  Semi-automatic device for scanning and measuring pictures taken in spark chambers, 21:6246
  Unified film transport mechanism of the camera for work with 50 mm nonperforated film, 23:35361 (JINR-P13-4474)
MALY, V. Shock-wave compression of some inorganic compositions, 23:12426
MALY, Vl. Subcutaneous induration following telecobalt therapy, 25:42687
MAL'YAN, V. M. Existence of the proton—electron—positron bound state system, 22:9033
MALYANOV, S. V. Effect of electron irradiation on electrical properties of gallium arsenide, 21:23259
  Effect of γ radiation on reverse current in silicon p—n junctions, 24:46556
  Effect of x radiation on electrophysical properties of germanium and germanium p—n junctions, 21:27234
  Effect of x radiation on Ge and Ge p—n junctions. II, 21:21077
  Effect of x radiation on Ge and Ge p—n junctions. III, 21:21078
  Effect of x-ray and electron emission on gallium arsenide p—n junctions, 21:23260
  Effect of x-ray and electron irradiation on gallium arsenide p—n junctions, 21:21075
  Influence of electron irradiation on parameters of GaAs pulsed diodes, 24:36675
  Influence of x rays on silicon and silicon p—n junctions. III, 22:3205
  Volt—ampere characteristics of tunnel p—n junctions in GaAs irradiated by fast neutrons, 25:484
MALYAROV, V. V. Basic theory of atomic nuclei, 22:16102
MALYGIN, A. V. Multiple-channel system of two-directional communication with TsVM type M-220A, 25:7770 (IAE-1953)
MALYGIN, S. S. Main trends of radically improving the main water drainage of mines, 24:16383 (ORNL-tr-2272)
MALYGIN, V. V. Oxidation of Nb, 23:24799
MALYGINA, N. L. Radiochemical analysis by means of ion-change layers in mixed and nonaqueous solvents. III, 22:35905
  Radiochemical analysis using ion-exchange resins in mixed and anhydrous solvents. I, 21:8404
MALYKH, N. I. Diffusion of a dense decaying plasma in a stellarator, 25:30472
  Investigation of turbulent plasma by means of incoherent scattering of microwaves, 22:44098
  Penetration of the ion-acoustic barrier when an alternating current flows in a toroidal magnetized plasma, 25:38461 (CONF-710607-21)
  Studies of diffusion of dense decaying plasma in a stellarator, 25:1163 (NP-18502)
  Studies of diffusion of dense disintegrating plasma in a stellarator, 25:30462 (NP-18767)
  Superhigh-frequency phasometers for plasma diagnostics, 21:44035
MALYKH, V. A. Development and power tests of thermionic reactor-converter "Topaz", 25:54044 (A/CONF.49/P-852)
  Entropy and heat capacity of uranium borides, 22:31481
  Entropy and heat capacity of uranium borides, 23:22647 (ANL-Trans-729)
  Mechanism of the reaction of nonstoichiometric uranium dioxide with molybdenum, 24:13833
MALYKH, V. D. Spectral analysis in geology and geochemistry, 23:43258
MALYKHIN, V. M. Calculation of the dose loads for the bone tissue in case of acute ^{90}Sr poisoning, 21:8832
  Case of radiation sickness due to internal irradiation, 21:39492
  Comparative characteristics of techniques of radiometry of small activities in biotests and in humans, 22:49361
  Direct and indirect methods for estimating dose burden due to incorporation of ^{90}Sr, 23:33709
  Dosimetric characteristics of incorporated mesothorium-228, 22:19331 (NP-17202)
  Dosimetric characteristics of incorporated mesothorium-228, 23:31752 (NRC-TT-1355)
  Dosimetry of bone-seeking radioisotopes, 21:20200
  Estimate of detection levels and accuracy of radiometry of low-level activities, 24:14261
  Evaluation of the direct and indirect techniques of tissue dosimetry of incorporated isotopes in acute poisoning, 24:6042
  Metabolism and prognosis of ^{137}Cs radiation doses, 22:43331
  Penetration of fission products of short half-life, 21:8834
  Some aspects of tissue dosimetry of ^{226}Ra, 22:31061 (NP-17201)
  Some aspects of tissue dosimetry of ^{226}Ra, 23:14151 (ANL-Trans-686)
MALYSHEV, A. B. Comparison of electron fluxes leaked from outer radiation belt and vlf noises, 24:30221
  Observation of the effects of the local acceleration of electrons inside the magnetosphere, 22:29361
MALYSHEV, A. M. Remote results of x-ray therapy of patients with trichomycosis, 21:45789
MALYSHEV, A. V. Level density and structure of atomic nuclei, 24:13427
  Level density and the structure of atomic nuclei, 21:19338
  Radiative capture of fast neutrons, 22:39606 (LA-tr-68-18)
  Relative probabilities of excitation of isomeric states during radiative capture of thermal neutrons, 22:20666 (FEI-79)
  Relative probabilities of the excitation of isomeric states during radiation capture of thermal neutrons, 22:42095 (ANL-Trans-644)
  Relative probabilities of the isomeric state excitation in thermal neutron radiative capture, 22:14113
MALYSHEV, E. K. Fission chambers compensated for burnup, 21:39195
  Fission-chamber radiators from a three-component isotopic mixture, 24:46486
  Ionization current fission chamber with nonburnable radiator, 23:11768
  Low-activated trigger chamber containing ^{3}He, 25:18662
  Semi-statistical method of effective delayed neutrons fraction measurement, 21:19279
  Small pulsed fission chamber, 23:2619
  Use of fission chambers in water-cooled reactors, 25:60046
  Vacuum fission chamber possessing directional sensitivity, 24:14275
MALYSHEV, I. F. Linear induction accelerator, 21:9885
MALYSHEV, V. A. Charged-particle drift motion, 24:24305
MALYSHEV, V. M. Concerning the nomenclature of injuries caused by ultra-high-frequency electromagnetic waves, 22:36301
  Disturbances of the endocrine system by chronic action of a ultra-high-frequency field, 22:21623
  Problem of clinical observation of injuries caused by SHF electromagnetic fields, 22:585
MALYSHEV, V. N. Biological experiments with the laser, 24:41992
MALYSHEV, V. V. Experimental study of the equation of state of uranium hexafluoride, 25:54582
  Radiochemical investigation of products from splitting of praseodymium nuclei by protons with energy of 660 MeV, 24:3893
  Simulating cosmic-ray interactions with stony meteorites, 24:32528
  Studies of VH and VVH nuclei in mineral meteorites, 25:30317
MALYSHEV, Yu. M. Mean multiplicity of neutron formation during cosmic ray μ-meson capture by Zn and Sb, 24:15863
MALYSHEVA, L. F. Changes in properties of bone-marrow DNA after x irradiation in vivo, 21:8712
MALYSHEVA, N. G. Intensification of flotation by prior radioactive irradiation treatment of water, 23:29106
  Measurement of the γ-quanta from the radiation capture of neutrons for the determination of the cadmium and boron concentration in enrichment products, 22:6286
  Radiation effects on sludge precipitation, 24:19525
  Use of charged particles associated with neutron-induced reactions for determining the isotopic composition of B, Li, and H, 22:10179
  Use of nuclear (n,γ) reaction in determining Cd content, 21:23850
MALYSHEVA, T. V. Chemical analysis of radioactive materials, 21:25810
  Chemical analysis of radioactive materials, 22:4060
MALYSHKEVICH, A. B. Indirect radioisotope lymphography in oncourology and oncogynecology, 24:32102
MALYSOWA, E. Strontium-90 distribution in soils of Lower Silesia, 23:26353
MALYSOWA, Elzbieta Profile distribution of ^{90}Sr in soils of Lower Silesia, 25:29207
MALYSZKO, Edward Effect of some chemical and physical factors on cell of Trichomonas vaginalis cultured in vitro, 25:21821
MALYUCHKOV, O. T. Investigation of the diffusion of hydrogen of hydrides of alloys, 25:29837
MALYUGA, D. P. Methods of concentration and determination of Co, Ni, Cu, Zn, Cd, Hg, and U in agrochemical, biogeochemical, and biological investigations, 22:4057
MALYUK, N. F. Energy of separation of electron—hole pair in CdS during irradiation by 5 to 50-keV electrons, 21:16996
MALYUK, V. I. Autoradiographic study of the ^{35}S-sulphate incorporation into smooth muscle cells of aorta, 23:26646
MALYUTA, D. D. Electrical conductivity and energy balance in a nonequilibrium plasma. II, 23:20900 (IAE-1619)
  Measurement of the scattering cross section of slow electrons in inert gases by SVCH method, 22:34676
MALYUTA, Yu. M. Collinear processes in the quark model, 21:40203
  Hadron systematics based on high symmetries, 22:9664
  Quark model of hadrons, 21:37883 (JINR-P2-3149)
  Superconductivity in quark model and nucleon metastability, 22:34947 (JINR-P2-3819)
  Superconductivity in quark model and Regge trajectories, 22:39401 (JINR-P2-3802)
  Superfluid quark model, 23:51978 (JINR-P2-4581)
MALYUTIN, A. A. Measurement of electron density of a plasma by means of laser, 23:12779
MALYUTIN, A. I. Fine structure of shock waves in a plasma and the mechanism of ion-acoustic turbulence saturation, 25:38436
  Investigation of turbulent processes in the front of a shock wave in a plasma, 23:32367
  Isomagnetic discontinuity in a collisionless shock wave in a plasma, 25:36125
  Isomagnetic discontinuity in a collisonless shock wave, 25:52799
  Turbulent processes in a plasma shockfront, 23:46460 (NP-tr-1836)
MALYUTIN, S. P. Separation of ^{131}I from natural Te by vacuum evaporation—condensation method, 21:28063
MALYUTINA, T. M. Differential photometric method for determining tantalum with methyl violet, 22:1995
MALYUTINA, T. S. Effect of gamma radiation and protons with energies of 127-660 MeV on the radiation injury of yeast cells, 21:16532 (JPRS-38272, pp 77-8)
MALZ, W. Radiation effects in isolated DNA and their functional consequences. VI, 25:29467
MAMACOS, J. P. Initial experience with a 30-in. isochronous cyclotron for medical use, 25:17644
MAMACOS, James Changes in biological effectiveness of a fast neutron beam with depth in tissue-equivalent material, 25:26906
MAMACOS, James P. Cyclotron facility and radionuclide production, 23:12149 (NYO-910-75, pp 46-84)
  Dosimetry of fast neutron beams from a small medical cyclotron, 24:34354
  Fluorine-18 production for medical use by ^{3}He bombardment of water, 24:31361
  Isochronous cyclotron installation for radionuclide production, 24:4657
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. IV, 23:1728 (NYO-910-72)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:4303 (NYO-910-124)
MAMADZHANOV, F. Determination of impurities of some elements in quartz materials by means of neutron activation analysis, 23:9313
MAMADZHANOV, F. I. Neutron activation analysis of impurities in quartz crystals, 23:15823
  Radioactivation gamma spectrum method for determination of some elements in plates of crystalline quartz, 23:47410
MAMAEV, L. I. Monitoring hermeticity of fuel elements of BR-5, 23:52410 (JPRS-48330, pp 553-90)
  Use of lead in unloading systems for sodium-cooled facilities, 24:52933
  Use of lead in unloading systems of sodium-cooled facilities, 25:23294 (CONF-700307-7)
MAMAEV, S. G. Field theory in Friedman space, 24:15644
MAMAEV, V. L. Scanning and measuring projector for bubble chamber track measurement, 21:19918
  Track density measuring with the help of scanning and measuring projector, 21:19919
MAMAEV, V. P. Chemical reactivity of some cyclic ketones in α—H exchange reaction, 23:9400
MAMAEV, Yu. A. Charge exchange in proton—inert gas interactions, 24:1284
  Elementary processes of change of charge states in the interaction between protons and hydrogen molecules, 23:30352
  Investigation by coincidence method of charge state changes occurring in interaction between H^+, H^0, and H^- and xenon atom, 22:43884
  Measurement of cross sections of atomic collision processes involving charge exchange, 21:31257
  Pickup, ionization, and ionization with pickup processes in collisions of protons with argon atoms, 21:35019
MAMALADZE, Yu. G. Josephson effect in He II, 21:11565
  Parameters of phenomenological superfluidity theory and the lambda point shift, 21:20903
  Proximity effect in liquid helium in a channel with a periodically changed cross section, 24:51569
  Second critical velocity of liquid helium in a narrow annulus, 22:50098
  "Three-parameter" form of phenomenological theory of superfluidity, 22:41506
MAMALUI, A. A. Thermal expansion of Nb, Mo, and their alloys at low temperatures, 23:41623
MAMANTOV, G. Electrode potentials of several redox couples in molten fluorides, 24:13843
  Electroreduction of Bi(III) in molten NaCl—$AlCl_3$, 24:13656 (CONF-690506-3)
  EMF on the U(IV)/U(III) couple in molten LiF—BeF_2—ZrF_4, 24:5655
  Emf, voltammetric measurements on U(IV)/U(III) couple in molten LiF—BeF_2—ZrF_4, 23:28681 (ORO-3518-11)
  New subvalent mercury ion in molten chloroaluminates, 25:18269 (CONF-701204-1)
  Potentiometric study of dissociation of $AlCl_4^-$ ion in molten sodium chloroaluminates at temperatures 175 to 400°C, 25:18270 (CONF-701204-2)
MAMANTOV, Gleb Advances in molten salt chemistry. Volume 1, 25:51422
  Disproportionation of U(V) in molten LiF—BeF_2—ZrF_4, 23:7542
  Electrochemical reduction of U(IV) in molten LiF—BeF_2—ZrF_4, 23:7541
  Exchange current measurements on nickel—nickel(II) couple in molten fluorides, 21:17608 (ORO-3518-3)
  Molten salts, 24:16505
  Prog. rpt. on electrochemical studies of halides, annual, 4/1/67—3/31/68, 22:10139 (ORO-3518-4)
  Prog. rpt. on electrochemical studies in molten fluorides and other halides, annual, 4/69—3/70, 24:9272 (ORO-3518-13)
  Prog. rpt. on electrochemical studies in molten fluorides and other halides, annual, 4/70—3/71, 25:15567 (ORO-3518-19)
  Voltammetric and emf measurements on nickel—nickel(II) couple in molten fluorides, 21:15880 (ORO-3518-2)
  Voltammetric generation of U(III) and spectrophotometric observation of U(III)—U(IV) system in molten LiF—BeF_2—ZrF_4, 21:14204
MAMANTOV, Glev Prog. rpt. on electrochemical studies in molten fluorides and other halides, 4/66—3/67, 21:8237 (ORO-3518-1)

- MAMASAKHLISOV, V. I. Effective forces within nuclei, 25:31402
  - Energy levels of nuclei with A = 14, 22:16062
  - Excitation of three-nucleon system, 23:42849
  - Excited states of ^{4}He nucleus, 22:5901
  - Identification of energy levels of light nuclei from cross sections of disintegrations, 21:44563 (ZFK-122, pp 111-18)
  - Isospin selection in photonuclear reactions and structure of light nuclei, 23:25950
  - Majorana exchange forces and photodisintegration of nucleus ^{4}He, 22:35218
  - Method of deformed orbits applied to light nuclei, 23:21273 (ZFK-130, pp 189)
  - Method of deformed orbits as applied to light nuclei, 22:24828
  - Modification of Serber forces and nuclear matter collapse problem, 23:40128
  - Nucleon—nucleon correlation in nuclei and elastic electron scattering on ^{4}He nucleus, 25:33957
  - Photodisintegration of the lightest nuclei, 21:44543 (ZFK-122, pp 101-10)
  - Theory of deuteron photodisintegration at high energies, 23:25779
  - Velocity-dependent nucleon—nucleon potential and magnetic moments of nuclei ^{3}H and ^{9}Be, 22:22542
  - Velocity-dependent nucleon—nucleon potential and integral cross sections of dipole photo-absorption, 22:44779
- MAMATALIEV, U. Effect of ionizing radiation on mitotic activity of cultured cells, 25:58080
  - Nuclear DNA-proteids in cultured cells after ionizing radiation, 24:48418
- MAMAYEV, L. I. Experience gained from operation of BR-5 reactor, 1964-5, 22:18571
- MAMBRIANI, G. Electron energy distributions in rare gases in dc electric field at low E/N values, 21:22973 (RT/FI-(66)35)
  - Electron—positron differences in multiple scattering, 21:13389
  - Photoemissive yield of Cs_3Sb photocathode and its dependence on temperature, 21:34533
  - Secondary emission of AgMgOCs dynodes and its dependence on the temperature, 21:17917
- MAMBRINI, Jean Modifications of neuromuscular junction by uranyl ion, 22:40577
- MAMCHICH, S. D. Effect of irradiation on polytrifluorochlorethylene, 23:49840
- MAMEDOV, F. G. Investigations of the conditions for the production of hexaborides of the rare earths and alkali earth metals of high puriy, 21:45983
  - Preparation of pure rare earth and alkaline earth hexaborides, 22:8843
  - Preparation of pure yttrium hexaboride and study of its emissive properties, 22:8834
  - Sintering conditions of lanthanum hexaboride, 21:41643
  - Sintering of lanthanum hexaboride, 22:8808
- MAMEDOV, I. A. Arsenate—iodimetric determination of Hf, 23:15795
  - Arsenato—iodometric determination of cerium(IV), 23:11407
  - Arsenato-iodometric determination of Ce(IV) and Al simultaneously, 25:51373
  - Determination of thorium and cerium in mixtures, 23:49722
  - Iodimetric determination of Fe(III) and Ce(IV) when both are present, 24:18884
- MAMEDOV, M. A. Theory of beam instabilities in confined plasma systems, 25:7401
- MAMEDOV, R. A. Angular distribution of thick-target gamma bremsstrahlung, 23:27671 (SLAC-Trans-93)
  - Method for measuring transient processes in semiconductor devices for linear electron accelerators, 21:22224
- MAMEDOV, S. G. Three-dimensional information pictures of chromospheric spicules, 23:25101
- MAMEDOV, T. G. Effect of ionizing radiation on the respiration and biochemiluminescence of plant germinants, 22:15116
  - Peroxidase radiosensitivity during formation of enzymesubstrate complex, 21:34604
- MAMEDOV, T. N. Neutron yield in μ capture reaction on oxygen, sulphur, calcium, and lead, 25:25641 (JINR-P15-5524)
- MAMEEV, V. V. Formation of hammer tracks during interaction of γ quanta with nuclei of photoemulsions, 25:50051
  - Interactions of bremsstrahlung with energy up to 1 GeV with complex nuclei, 23:14944
- MAMELLE, J. Reprocessing of irradiated fuels by wet method, 24:9461
  - The development of safety measures in reprocessing plants, 25:4527
- MAMIDZHANIAN, E. Ancient cosmic ray tracks in mica, 22:19806
- MAMIDZHANYAN, E. A. Description of an ionization calorimeter supplemented with proportional counters, 25:42140
  - Energy spectra of cosmic-ray neutrons at sea level, 24:21933
  - Energy spectrum of neutrons, 24:51467
  - Energy spectrum of nuclear-active particles at Alpine heights, 22:21937
  - Measurement of the intensity of nuclear-active particles at the mountain altitudes, 22:9120
  - Search for magnetic monopoles in cosmic rays, 25:14078
  - Search for the neutrino in muscovite mica, 24:21923
- MAMIKONYAN, S. V. Industrial nuclear methods and equipment for elemental analysis, 25:51405 (A/CONF.49/P-464)
  - Investigation of radioisotope sources and x-ray detectors for rentgenoradiometric analysis, 25:32290
  - Radiation-chemical reactor for sulfochlorination of paraffin hydrocarbons PC-2.5, 22:51019
  - Roentgenoradiometric equipment and methods of rapid-analysis for copper, iron, and other elements, 23:26161 (VNIIRT-1)
- MAMIN, E. B. Radiation safety in design and operation of powerful β-installations, 25:42016
- MAMIN, R. G. Influence of radium therapy on intraocular pressure in hypophyseal tumors, 21:11065
- MAMIYA, Takayoshi Specific heat study of La/sub 3-x/Gd/sub x/Al system, 25:52738
  - Superconductivity of Ta—Re alloys, 24:15206
  - Thermal conductivity of type-II superconductors: In—Pb alloys. II, 22:29433
- MAMMANO, A. Nova Vulpeculae 1968 No. 2 (Kohoutek), 23:46173
- MAMMI, M. Crystal structure of orthorhombic polyselenomethylene, 21:28005
  - Radiation polymerization of crystalline trithiane, 21:28004
  - Radiation polymerization of crystalline trithiane, 22:12385
- MAMMI, Mario Solid-state radition polymerization of triselenane to polenomethylene, 21:40926
- MAMONOV, V. N. Accelerating system of the ion loaded electron ring, 23:13148 (JINR-P9-4171)
  - Accelerating, in a resonator, a relativistic bunch bearing a large charge, 23:49248 (UCRL-Trans-1400)
  - System for accelerating an ion-loaded electron ring, 23:34688 (UCRL-Trans-1394)
- MAMONT, K. Measurements of ionizing radiation doses in dwellings in Poland, 23:40984 (CLOR-73/D)
- MAMONT, Kalina Measurements of ionizing radiation, 23:50531
  - Scintillation gamma background monitor for field measurements, 23:656
  - Spectrometric methods of measurement of the terrestial gamma background radiation and concentration of radionuclides in the soil, 25:21162
- MAMONTOV, A. P. Absorption spectra of n—GaAs irradiated by protons, 24:19967
  - Distribution of radiation defects in proton-irradiated GaAs, 25:7454
- MAMONTOV, V. F. Study of efficiency of various materials in BFS-16 fast reactor, 25:23337 (JPRS-52290, pp 84-102)
- MAMONTOVA, A. N. Possible method for finding resonances with incomplete knowledge of the interaction, 22:15701
- MAMONTOVSKAYA, L. V. Physical and mechanical properties of alloys of the Ti—Nb—Mo system, 21:3500
- MAMOON, Abdel-Megid Effects of ionizing radiations on myelin formation in rat brain cultures, 24:29710 (UCRL-19481)
  - Effects of ionizing radiations on myelin formation in rat brain cultures, 25:21590
- MAMPE, W. High-energy conversion electrons and the level scheme of ^{200}Hg, 25:39041
  - Search for E0 transitions in ^{208}Pb, 24:43338
  - Studies of ^{199}Hg(n,ce)^{200}Hg, 23:7284
- MAMPEL, K. L. Time-dependent conversion formulas for heterogeneous reactions at the interfaces of solid bodies. II, 25:23446 (LA-tr-71-9)
  - Time-dependent conversion formulas for heterogeneous reactions at interfaces of solid bodies. I, 25:23445 (LA-tr-71-8)
- MAMRUKOV, A. P. E/sub s/ in the subauroral zone based on observations in Yakutsk, 22:34460
  - Relationship between ionization in F2 layer and incidence of solar wave radiation, 21:39913
- MAMRUKOVA, V. P. Annual cosmic-ray variations and their relation to active formations on the Sun, 22:21961
  - Annual variations of cosmic rays and changes of the cosmic radiation intensity as a function of the heliolatitude of the earth, 21:31274
  - Dependence of cosmic-ray intensity in interplanetary space upon Earth's helio-latitude, 21:35050
  - Structure of interplanetary space, 23:46327
  - Structure of the interplanetary space from data on annual cosmic-ray variations, 25:19526
- MAMULA, M. Method of producing gaseous heavy H, 23:21782
- MAMURO, T. Detection of radiotungsten in rainwater, 25:15794
  - Fallout particles in ground-level air from the Chinese nuclear explosion of December 28, 1966, 22:33572
  - Physicochemical properties of fallout particles in relation to burst conditions, 22:18970
  - Plutonium-238 in fallout, 23:13876
  - Radionuclide fractionation in fallout particles, 23:17581
  - Uranium in fallout particles, 22:27920
- MAMURO, Tetsuo Activation analysis of airborne dust, 24:38785
  - Activation analysis of airborne dust, 25:31854
  - Activation analysis of polluted river water, 25:31852
  - Activation analysis of river-water, 24:38786
  - Age determination of nuclear debris, 23:33272
  - Alpha-activity of highly radioactive fallout particles, 21:6038
  - Detection of radiotungsten in rainwater, 24:38756
  - Dosimetry of high energy x-rays, 23:35524
  - Electron microprobe analysis of fallout particles, 21:14347
  - Estimation of the size distribution of uranium oxide particles by alpha-ray spectrometry, 22:42953
  - Fallout from third Chinese nuclear test explosion. II, 22:12450
  - Fallout from third Chinese nuclear test explosion. I, 22:12451
  - Fallout particles. VIII, 22:4284
  - Highly radioactive fallout particles from the fifth Chinese nuclear explosion of Dec. 28, 1966, 22:42881
  - Measurement of atmospheric radon gas and its decay products, 23:34999
  - Measurement of specific gravity of radioactive fallout particles produced by third Chinese nuclear test, 5/66, 22:40263
  - Measurement on adsorption of sodium by HAP with a Ge(Li) detector, 24:39010
  - Natural background gamma-ray spectrum measured with a Ge(Li) detector, 24:44103
  - Nuclear debris from Chinese nuclear explosion June 17, 1967, 22:42877
  - Nuclear debris from French nuclear explosions of 7—9/68, 23:33271
  - Plutonium-238 in fallout, 23:33273
  - Plutonium-238 in fallout particles, 22:42879
  - Radioactive fallout particles from the Chinese nuclear detonation. III, 21:41024
  - Radionuclide fractionation in fallout particles from an air burst, 22:16719
  - Some long-lived radionuclides in nuclear debris, 22:42878
  - Studies on fallout particles (VIII), 23:31434 (UCRL-Trans-10348)
  - Studies on fallout particles. IV, 23:40879 (UCRL-Trans-10359)
  - Studies on fallout particles. IX, 23:6225
  - Studies on fallout particles. VI, 23:40880 (UCRL-Trans-10360)
  - Studies on fallout particles. VII, 23:47646 (UCRL-Trans-10355)
  - Uranium in fallout particles, 22:42880
- MAMUROV, A. M. Inelastic interactions of cosmic ray particles with lead nuclei, 22:2828
- MAMYRIN, B. A. Determination of small helium amounts in solid bodies, 21:1282
  - Determination of the isotopic composition of atmospheric helium, 25:15504
  - Isotopic analysis of terrestrial He, 24:26926
  - Isotopic criterion for determination of natural He origin, 23:15967
  - Measurement of magnetic moment of the proton, 23:21043
  - Measurement of weak beams of charged particles with electron multipliers and electrometric amplifiers, 23:33559
- MAMYROV, U. Possible improvements of the sensitivity and accuracy of mass spectrometer measurements, 21:45473
  - Two-channel scheme for synchronized recording of nuclear fission fragments of standard and tested samples, 21:12720
- MAMY-SILVE, G. Immediate toxicity of beryllium salts, 21:10810
- MANABE, Akiyoshi Radiation curing of mixture of diallylphthalate prepolymer and vinyl monomer. I, 24:11570 (JAERI-5022, pp 103-10)
- MANABE, Genroku Nuclear fuel of uranium carbide dispersed in silicon carbide, 22:52241
  - Trial fabrication of an Na-bonding fuel rod, and its out-of-pile test, 25:19276
  - Trial production of nuclear fuel for a high-temperature gas-cooled reactor, 25:49525
  - Uranium—carbide dispersed silicon—carbide nuclear fuel. II, 23:13586
- MANABE, Katsumi Filming of power cables and their attachments by γ radiography, 23:43484
- MANABE, Katsushi Electron—gamma angular correlation apparatus using a Si(Li) detector, 23:2633
- MANABE, Kyohei Civil engineering works at Tsuruga Power Station of Japan Atomic Power Company, 24:7566
  - Civil engineering works in Tsuruga Atomic Power Station of Japan Atomic Power Company, 24:11727
- MANABE, Shohei Effect of fractionated x irradiation on cells in tissue culture, 25:35242
- MANABE, T. Radiation curing of diallylphathalate prepolymer and monomer mixtures, 24:31397
- MANAGADZE, G. G. Characteristics of plasma bursts produced by coaxial electrodynamic injector, 22:29500
  - Experiments with artificial solar wind, 25:56009
  - Interaction of solar wind with geomagnetic field, 23:20773
  - Plasma flow around a two-dimensional magnetic dipole, 22:26298 (MATT-Trans-56)
  - Plasma flow around a two-dimensional magnetic dipole, 23:10536
  - Simulation of interaction between sun-generated plasma wind and the magnetic field of the earth, 23:3334 (IAE-1493)
  - Simulation of the interaction of solar wind with the Earth's magnetic field, 22:46006 (MATT-Trans-64)
- MANAGAN, W. W. Channel electron multiplier as an alpha detector, 22:28098
  - Spatially continuous neutron flux plotting with spark chambers, 23:5793
- MANAHOV, L. g-factor for 3^- state in ^{208}Pb, 23:40060
- MANAKOS, P. Coupling of core excitation and single-particle motion in odd-A-nuclei, 21:31857
  - Influence of core excitations on one-particle and particle-hole Green's functions, 22:39595
  - Positive parity states in ^{16}O, 23:40113
- MANAKOV, A. I. Electrolysis of oxidized slags and effect of slag-composition on current efficiency in extraction of V and Ti, 23:12292
- MANAKOV, L. P. Two-photon ionization of the hydrogen atom, 23:14644
- MANAKOV, N. L. Method of calculation of multiphoton processes in atoms, 24:25990 (NP-18082, pp 21-9)
  - Multiphoton excitation of atoms, 25:40376
  - Two-photon bound—bound transitions in Coulomb field, 22:50037
- MANAKOV, V. M. Phase diagram of the system $PbO—MoO_3$, 25:35581
- MANALIS, M. S. Nonthermal Saha equation and the physics of a cool dense helium plasma, 25:40622
- MANALIS, Melvyn Samuel Optical spectroscopic investigation of helium and nitrogen plasmas, 25:14277 (AD-712024)
- MANALO, J. A. The effects of ionizing radiation on mango, chico, and banana fruits, 25:24486 (IAEA-R-440-F-31)

- MANANT, P. Effects of γ-irradiated sugars on tissue cultures in vitro, 24:44431
- MANANT, Pierre Action of glyoxal, product of radiolysis of sugar, on plant tissues cultivated in vitro, 23:50353
  - Action of sugars treated with ^{60}Co γ rays on development of vegetable tissues in vitro, 22:40519
  - Are the substances produced during the irradiation of sugar substances of the radiomimetic type, 22:43261
- MANARA, A. Growth of oxide films onto cleavage faces of crystalline UC, 22:32065
  - Research activities of the solid state physics laboratory of the Joint Research Center, EURATOM, Ispra, 21:24859
- MANARA, G. Human larynx irradiated with various therapeutic methods, 23:48179
- MANARA, L. Identification and estimation of tritium-labeled reserpine in biological material by a combination of thin-layer chromatography, 23:6384
- MANAS, L. Experimental reactors in Spain, 25:54188 (A/CONF.49/P-732)
- MANAS DIAZ, L. Use of a calcite crystal as a neutron monochromator, 21:35396
- MANASEK, Gretel B. X-irradiation of splenic lymphocytes and radiothymidine incorporation into DNA, 22:23603
  - X-irradiation of splenic lymphocytes incorporation of nucleotide precursors into DNA, 22:23604
- MANASEVIT, H. M. Growth of molybdenum films on substrates, 22:23738
- MANASSAH, J. T. Resonance broadening using Green functions, 24:28078
  - Scaling, fixed poles, and duality of electromagnetic currents in the dynamical resonance model, 25:50101
- MANASSAH, Jamal T. Hadron electrodynamics in the resonance model, 25:59386
- MANATT, S. L. Precise sweep calibrations simultaneous with recording of magnetic resonance spectra, 24:16932
- MANBY, T. J. Assessment of ^{169}Yb for industrial radiography, 25:48745
- MANCA, G. Comparisons of theoretical and experimental data on control rods in Garigliano reactor, 21:17470 (RT/FI-(66)16)
  - Nondestructive analysis of fuel irradiated in EBWR by gamma scanning, 23:28717 (BNWL-1005)
- MANCA, Giuseppe Correlation by the calculation of peak and disadvantage factors for a square cluster, 22:50850
- MANCA, J. Time-amplitude converter, 24:2524
- MANCE, A. Anodic behavior of low Mo—U alloys, 23:36058
  - Isothermal martensitic $\beta \rightarrow \alpha'$ transformation of U—Mo alloy, 23:46078
  - Kinetics of β—α' transformation in low molybdenum—uranium alloys, 25:49466
  - Metastable β-phase in low molybdenum—uranium alloys, 22:45784
  - Monoclinic deformation of αU lattice in U—Nb system, 23:22574
  - Potentiostatic method for electrolytic etching of U—Nb alloys, 22:31341
  - Use of the potentiostat in the microstructural examination of uranium, 25:4792
- MANCE, Amalija Potentiostatic etching and polishing of copper and its alloys, 25:55555
- MANCEL, Joel Contribution to study of maximum levels for liquid radioactive waste disposal into continental and sea water, 23:9577 (CEA-R-3587)
- MANCHANDA, R. K. Intensity of high-energy x rays from Sco X-1, 24:1159
- MANCHANDRA, R. K. Upper limits on pulsations from CYG X-1 in hard x rays, 25:55727
- MANCHEE, E. B. Capabilities of the Yellowknife seismic array, 22:8237
  - Discrimination of temporally overlapping seismic events, 22:27940
- MANCHESTER, A. V. Tritiated moisture in the atmosphere surrounding a nuclear fuel reprocessing plant, 23:12093
- MANCHESTER, B. A. Flux densities and positions of southern galactic sources at 1410 MHz, 25:52535
  - Map of Vela region at 11 cm, 24:21478
- MANCHESTER, E. G. Use of simplotter: a high-level plotting system, 25:57231 (IS-2305)
- MANCHESTER, F. D. Energy levels near the surface in dilute mixtures of liquid ^{4}He in ^{3}He, 24:15250
  - Time-dependent effects associated with the 50°K resistivity anomaly in Pd—H and Pd—D systems, 24:9288
- MANCHESTER, Kenneth E. Ion implantation to form conductive contact, 24:6610
- MANCHESTER, R. N. 18-cm observations of galactic OH from longitudes 350° to 50°, 24:39775
  - 18-cm observations of galactic OH from longitudes 305° to 334°, 24:51319
  - Astronomical measurement of the 18-cm OH transition frequencies, 24:51306
  - Change of state in pulsar PSR 0833-45, 23:25057
  - Correction of Pc 1 micropulsations at spaced stations, 22:31725
  - Crab pulsar radiation mechanism, 25:55729
  - Excitation temperatures of 18-cm OH transitions in absorbing cloud, 25:58560
  - Flux densities at 5009 MHz of 753 radio sources, 24:23651
  - Hydromagnetic emissions at two Southern Hemisphere sites, 24:23881
  - Improved parameters for seven pulsars, 24:23635
  - New type of wideband 1665 MHz OH emission, 23:14492
  - Observations of galactic OH, 25:19381
  - Observations of pulsar polarization at 410 and 1665 MHz, 25:58551
  - Observations of the Crab pulsar at 410 and 1664 MHz, 25:11598
  - Occultation positions of 1665-MHz OH emission from G 0.7—0.0, 24:3075
  - Polarization of pulsar radiation, 25:874
  - Propagation of hydromagnetic emissions in the ionospheric duct, 24:23882
  - Propagation of Pc1 geomagnetic micropulsations in magnetosphere and the ionosphere, 23:18504 (AD-673991)
  - Propagation of Pc1 micropulsations in ionospheric duct, 21:33257 (AD-632565)
  - Properties of PSR 0525 + 21, 25:43053
  - Properties of pulsars, 25:52552
  - Pulsar H-line absorption and dispersion in the interstellar medium, 24:19612
  - Rotation and intrinsic angle of Crab pulsar radio emission, 25:45224
  - Thermal source with strong 1612-MHz OH emission, 24:3087
  - Time variation in the polarization of OH emission from NGC 6334B, 24:3085
  - Wideband OH emission source, 24:3086
- MANCHESTER, W. G. X-ray-induced recombination in the fourth chromosome of D. melanogaster females. I, 24:23167
  - X-ray-induced recombination in the fourth chromosome of D. melanogaster females. II, 24:23168
- MANCHKHA, S. P. Effect of longitudinal magnetic field on stability of flow of electrically conducting liquid, 25:7217
- MANCHON, D. D. Jr. Thermal conduction in bismuth at liquid helium temperatures, 21:13519
- MANCINI, A. M. Experimental pulmonary sclerosis from γ rays. II, 21:8933
  - Experimental pulmonary sclerosis from γ rays. III, 21:8932
  - Experimental pulmonary sclerosis from γ rays. I, 21:8957
- MANCINI, Antonio M. Late effects of human lung irradiation, 23:38871
- MANCINI, C. Criteria for the optimization of instrumental analysis by fluorescence x-rays, 25:23921
- MANCINI, E. Monoenergetic photon beams by positron annihilation in flight, between 80 and 300 MeV, 23:8443
  - Stability conditions for the spatial focusing in a racetrack microtron, 25:33930
- MANCINI, F. Boson method in superconductivity: application to the study of vortex lines, 25:5052
  - Coexistence of single- and two-particle condensation in interacting boson gas, 23:48856
  - New approach to the Josephson effect, 25:9364
  - Quantum effects in weakly coupled superfluid liquids, 25:25016
  - Structure of vortices in superconductivity, 24:15256
- MANCINI, Ferdinando Anisotropy effects on Hall resistivity of rare-earth metals, 24:24163
- MANCINI, G. Factors influencing haematopoietic spleen colony formation in whole-body irradiated mice. II, 25:8767
  - Parametric survey of the low enriched uranium cycle in a high temperature reactor. project dragon, 25:3883 (DP-Report-466)
  - Radioprotective action of haematoporphyrin on endogenous spleen colony-forming units, 25:4572
- MANCINI, M. Anisotropy of spin-lattice relaxation in ErES and SmES, 23:23263
- MANCINI, N. A. Superconducting tunnel junctions with a nonconventional insulator, 24:6477
- MANCINI, P. Plan for a conversational system with a computer for the automation of external irradiation and the optimization of treatment planes, 24:48655
- MANCINI, R. E. Radioautographic and radiochemical analysis of mouse skin, 24:31774
- MANCIULEA, S. Effect of γ-ray microdoses on some metabolic indexes during white rat adaptation to hypothermia, 25:27023
- MANCIULEA, St. Action of γ-ray on frog tissue, 23:43875
- MANCIULEA, Stefania Influence of deoxycorticosterone acetate (DOCA), suprarenalectomy, and chronic treatment with stable zinc on absorption, distribution, and excretion of ^{65}Zn in white rats, 22:28383
  - Metabolism of zinc. I, 22:28384
- MANCONI, J. W. Thermoluminescence of ZrO_2, 23:28888
- MANCOVA, Valeria Polymer—gelatin nuclear emulsions for fast neutron dosimetry, 24:19246
- MANCUSI, M. D. Beryllium-8 levels at 16.62 and 16.92 MeV from ^{6}Li(^{6}Li,α)^{8}Be, 21:2635
  - Experimental techniques used in a precision charged particle absolute cross section measurement, 23:16123
  - Isobaric analog resonances in proton inelastic scattering from ^{136}Xe, 24:40640
  - Multiparameter pulse-height analysis programs, 22:331
  - Neutron particle—hole states observed by inelastic proton scattering from ^{136}Xe, 23:17110
  - Nuclear structure studies from proton and deuteron induced reactions on ^{136}Xe, 23:42915 (ORO-2972-87)
  - Reactions ^{136}Xe(d,p) and ^{136}Xe(d,t), 23:7303
  - Resonances in proton elastic scattering from ^{136}Xe, 23:37275
  - Search for excited states in ^{3}He, 22:7634
  - Simple trap for high pressure gas targets, 22:10599
  - Test of time-reversal invariance in reaction ^{16}O(d,α)^{14}N and its inverse, 22:48471
  - Time-reversal invariance in the reactions ^{16}O(d,α)^{14}N and ^{14}N(α,d)^{16}O, 25:33986
- MANCUSI, Michael D. Beryllium-8 levels at 16.62, 16.92, and 19.9 MeV from ^{6}Li(^{6}Li,α)^{8}Be, 21:17312
- MANCUSO, C. Prog. rpt. on growth parameters in synthesizing B_4C filaments, final, 3/1/66, 21:4990 (N-66-28634)
- MANDACHE, S. Determination of quadrupole moment of ^{57}Fe, 24:20004
- MANDAL, K. K. Magnetohydrodynamic flow through a rectangular duct due to periodic pressure gradient, 22:41420
  - Magnetohydrodynamic flow through rectangular duct. II, 24:1312
- MANDAL, S. K. Radio-frequency conductivity of ionized gases in magnetic field, 21:43879
- MANDAL, Sukumar Complexes between U(VI) and dioxydiquinone, 25:4078
- MANDALIS, C. Beta—glucuronidase level in irradiated rat liver, 23:4882
- MANDANSKY, L. Measurements of K/sub L/° and neutron total cross sections, 24:30466
- MANDE, C. Charge transfer in the Joshi effect under monochromatic x and γ rays in an ozonizer discharge, 21:24174
  - Effect of external radiations on leakage time constant in ozonizer discharge and associated Joshi effect, 22:24318
  - Effective Z values for wave functions in multi-electron atoms, 24:35218
- MANDEL, H. Choice of sites for nuclear power stations, 23:13529
  - Construction decision for the Biblis nuclear power plant, 24:4020
  - Economic outlook of heavy water reactors, 24:9129
  - Future role of nuclear energy as the primary energy source, 24:35958
  - Long-time energy supply of the German Federal Republic and the role of nuclear energy, 21:21847
  - Melting points, transition energies, and specific heats of polyphenyl reactor coolants, 21:38923 (AI-CE-58)
  - Nuclear energy at the threshold of economic utilization, 22:30194
  - Nuclear power plant siting questions, 25:23217
  - Possibilities for international cooperation in the area of nuclear energy, 25:57006
- MANDEL, Heinrich Factors affecting the choice of sites for nuclear power stations, 21:1451
  - Long-term design of energy supply of Federal Republic of Germany, 24:9991
  - Process for the production of deuterium-enriched water, 25:41904
  - Resources of primary energy, 25:54025 (A/CONF.49/P-359)
  - Trend toward the use of nuclear energy in Germany, 21:19411
- MANDEL, L. Approximate formulas for photoelectric counting distributions, 21:41226
- MANDEL, P. Equilibrium properties of quantum plasmas at finite temperature, 25:40648
  - Prog. rpt. on treatment of radiation injuries, 4—10/65, 21:4815 (EUR-2477.f(Vol.3))
  - Prog. rpt. on treatment of radiation injuries, 10/64—4/65, 21:4814 (EUR-2477.f(Vol.2))
  - Superoperator transformation theory in quantum mechanics, 25:14505
- MANDEL, Paul Formal properties of the quasi-particle description, 23:21020
- MANDEL, Richard Natural orbitals for H_2, 23:10445
- MANDELBAUM, A. Studies in mass spectrometry. V, 21:8354
- MANDELBAUM, B. Coulomb displacement energies and nuclear sizes, 23:52180
- MANDELBERG, Hirsch I. Collisional mixing in alkali ^{2}P state, 22:29284
  - Coupled-state impact-parameter method for electron excitation of atoms. I, 24:51441
- MANDELBROJT, J. Applications of the theory of Dirichlet series to the superposition of an infinite number of Regge poles, 24:52209 (CNRS-CPT-70-P-330)
  - Applications of the theory of Dirichlet series to the superposition of an infinite number of Regge poles, 25:14828
  - Comparison of Fermi Hamiltonian and Yukawa Hamiltonian, 23:3808
  - Energy poles from infinite daughter series, 23:46842
  - New considerations on the statistical model. I, 21:29566
- MANDELBROJT, S. Applications of the theory of Dirichlet series to the superposition of an infinite number of Regge poles, 24:52209 (CNRS-CPT-70-P-330)
  - Applications of the theory of Dirichlet series to the superposition of an infinite number of Regge poles, 25:14828
- MANDELKERN, L. Enthalpy of fusion of irradiated polyethylene crystals, 23:47477
  - Fusion of irradiated linear polyethylene crystallized by high speed stirring, 25:10618
  - Radiation cross-linking of hydrogenated polyethylene, 21:40906
- MANDELKERN, M. Four-body strange-particle production in pp collisions at 6 GeV/c, 24:40256
  - Investigation of 1.4 GeV/c^2 nucleon isobar in proton—proton interactions, 23:7083
  - Observation of Y^{*+}(1385)K^+ and N^{*++}(1236)rho^0 decays of a nucleon resonance, 22:44327
  - Production of K mesons in three-body states in proton—proton interactions at 6 GeV/c, 22:15675
- MANDELKERN, M. A. Four-pion final state in anti pp annihilations at 940 MeV/c, 25:22680
  - Multipion final states in anti pp annihilations at 940 MeV/c, 25:1394 (CONF-700806-49)
- MANDELKERN, Mark Alan Production of K mesons in three-body states in proton—proton interactions at 6 GeV/c, 22:11581 (UCRL-17943)
  - Production of K mesons in three-body states in proton—proton interactions at 6 GeV/c, 23:1589
- MANDELKOW, E. Total cross section for photoproduction of hadrons on hydrogen and deuterium between 1.0 and 6.4 GeV, 24:40226 (DESY-70/17)
  - Total cross section for photoproduction of hadrons on H and deuterium between 1.0 and 6.4 GeV, 24:51890
- MANDELL, D. A. Conduction, convection, and radiation in a nonisothermal H plasma, 24:5171
  - Influence of surface emissivity on nonisothermal H plasma, 24:28282
  - Radiative transport quantities for a hydrogen plasma, 23:34416

- MANDELL, Gerald Prognosis in patients with metastatic liver disease, 23:45822
- MANDELL, M. J. Note on the two-dipole problem, 25:41654 (NYO-3699-55)
- MANDELLI, B. Air backflow and pressurization in the nuclear exhaust system duct, 24:13620
- MANDELLI, Betton M. Counting statistics of nuclear detectors, 23:21964
- MANDELLI, L. Bubble chamber study of proton—proton interactions at 4 GeV/c. I, 21:27386
  - Decay matrix elements for fπ decaying systems and Dalitz-plot density along the f^0 bands, 23:13090
  - Decay matrix elements for fπ decaying systems, 24:8640
  - Decay modes and quantum numbers of resonance π(1640), 23:49056
- MANDELLI BETTONI, M. Isomeric cross sections ratios for some (n,γ) reactions, 21:29938
- MANDEL P. Biological aspects of whole-body irradiation, 21:45532
- MANDEL'SHTAM, C. L. Investigation of short-wave end of solar spectrum, 22:790 (TT-65-50400/4-6, pp 5-15)
- MANDEL'SHTAM, S. L. Corpuscular radiation by the Luna-10 artificial satellite, 21:20867
  - Detecting the polarization of solar-flare x-ray emission, 25:55771
  - Diffuse x-ray background of cosmic space, 22:43950
  - Investigation of short-wave edge of solar spectrum recorded by satellites and rockets, 21:28940
  - Laser spark excitation source of spectra of highly ionized atoms, 23:12491
  - Production of spectra of multiply charged ions by focusing laser radiation on a solid target, 21:23170
  - Solar x radiation, 22:26159
  - Studies of shortwave solar radiation in the USSR, 22:2729
  - Study of soft corpuscular radiation by lunar satellite "Luna-10", 21:11493 (JPRS-38795)
  - X radiation from moon recorded by Luna-10, 21:37325
  - X radiation of the Moon and x-ray cosmic background in the lunar sputnik Luna-12, 22:29312
  - X-ray emission of the moon with help of AMS "LUNA-10", 21:37197 (N-67-18741)
- MANDELSTAM, S. Analytic solution of the linear-trajectory bootstrap, 24:3616
  - Dynamics based on indefinitely rising Regge trajectories, 22:17934
  - Generalizations of the Veneziano and Virasoro models, 23:46837
  - New results of x-ray flare studies, 25:49657
  - Variational principles in dynamics and quantum theory, 24:3488
- MANDELSTAM, S. L. Measurement of diffuse x-ray background of outer space in the energy region 1 to 1.5 keV, 22:13286
  - Polarization of the emission of x-ray solar flares, 25:891
  - Regions of x-ray flares on Sun, 23:51293
- MANDELSTAM, Stanley Currents in S-matrix theory, 23:25704 (CERN-69-7, pp 349-60)
  - Dispersion theory and complex J-plane, 25:59425
  - Dynamical applications of the Veneziano formula, 25:33680
  - Dynamics based on rising Regge trajectories, 22:20354
  - Feynman rules for electromagnetic and Yang—Mills fields from the gauge-independent field-theoretic formalism, 23:5676
  - Feynman rules for the gravitational field from the coordinate-independent field-theoretic formalism, 23:5685
  - Feynman-like diagrams in dual-resonance models, 25:12189
  - Gribov—Pomeranchuk poles in scattering amplitudes, 21:42466
  - Multiparticle Veneziano formulas corresponding to minimal nonplanar Feynman diagrams, 24:37941
  - Recent work on Regge poles and the three-body problem, 21:15415 (UCRL-17250)
  - Recent works on Regge poles and the three-body problem, 22:3538
  - Relations between partially conserved axial-vector current, axial-vector charge commutation relations, and conspiracy theory, 22:26633
  - Relations between PCAC, axial-charge commutation relations, and conspiracy theory, 24:5300
  - Relativistic quark model based on Veneziano representation. I, 24:3627
  - Relativistic quark model based on Veneziano representation. II, 24:37741
  - Relativistic quark model based on Veneziano representation. III, 24:37781
  - Rising Regge trajectories and dynamical calculations, 23:32847
  - Rising Regge trajectories and dynamical calculations. II, 24:15544
  - Veneziano formula with trajectories spaced by two units, 23:5708
- MANDELSTAM. S. S-matrix theory, 25:59614
- MANDEL'TSVAIG, Yu. B. Applications of semiconductor detectors with p—n junctions for low-energy x- and gamma-ray dosimetry, 25:44703
  - Performance in recording of x- and gamma-rays by combined detectors, 25:55005
- MANDEL'TSVEIG, V. B. Generation cross sections of quasinuclear meson resonances, 25:33772
  - New type of baryon resonances, 25:59500
  - Nonrelativistic bound states in the nucleon—antinucleon system, 24:30513
  - Nonrelativistic connected states in the nucleon—antinucleon system, 24:33009 (ITEF-749)
  - Possibility of observing quasinuclear meson resonances in colliding e$^+$e$^-$ beams, 25:59358
  - Quantum theory of an electromagnetic field in a gyrotropic medium, 23:39796
  - Quasi-nuclear levels in the nucleon—antinucleon system, 24:10756
- MANDELZWEIG, V. B. Possible quasinuclear nature of heavy meson resonances, 25:1520
  - Possible quasinuclear nature of heavy mesonic resonances, 25:28026 (NP-18774)
- MANDEVILLE, C. E. Decay of ^{144}Ce, 25:5749
  - Decay of ^{193}Os to ^{193}Ir, 22:9897
  - Decay of ^{97}Zr to nuclear states of ^{97}Nb, 24:35865
  - Gamma rays emitted in disintegration of ^{192}Ir and ^{194}Ir, 21:15582
  - Harder gamma rays of ^{191}Os, 22:5822
  - Nuclear energy states of ^{155}Eu, 22:5844
  - Nuclear energy states of ^{171}Tm, 22:7722
  - Nuclear states of ^{143}Pr, 22:7720
  - Prog. rpt. on determination of parameters of nuclear states, annual, 11/66—9/67, 21:44662 (COO-1663-2)
- MANDI, Erika AET exchange. II, 24:29778
  - Effect of radiation on incorporation of ^{59}Fe in erythropoietic system of mice, 24:51030 (ANL-Trans-853)
  - Radiation damage to erythropoiesis using an Fe isotope in mice. I, 21:22295
- MANDIC, D. Introduction of nuclear power plants into Yugoslavia's electric power system, 24:28902
- MANDIC, Vencel Calculation of biological protection and dose fields in nuclear power plant ancillary systems, 24:20550
- MANDIC-ZECEVIC, V. Free lienal and hepatic amino acids in rats gamma-irradiated with ^{60}Co, 21:414
  - Quantitative changes of uric acid concentration in the blood of rats after irradiation with ^{60}Co, 21:412
- MANDIL, I. Harry Pressure suppressing arrangement for use with a nuclear reactor, 23:19596
- MANDINEAU, Daniel P. H. Tertiary composite materials based on W, B, and carbide, and method of preparation, 25:32788
- MANDL, Anita M. Radiosensitivity of germ cells, 21:32758
- MANDL, F. Fuel management studies for prismatic type high temperature reactors, 25:54130 (A/CONF.49/P-346)
  - Perturbation theory for resonances of the Feshbach type, 21:23013
- MANDL, V. Electronic instruments for radiation detectors and control systems, 21:1671 (EUR-3063.e)
  - Low-noise pulse amplifier for Ge(Li) detectors, 22:14747 (EUR-3659)
  - Resolution measurements with Ge(Li) detectors and RLC filter using pole-zero cancellation technique, 22:14884
- MANDLER, J. W. Analysis and interpretation of isomer ratios, 22:32690
  - Analysis of lunar and planetary surfaces with neutron capture γ rays, 21:35866
  - Compositional analysis of lunar and planetary surfaces using thermal-neutron-capture gamma rays, 22:31533
  - NASA's combined neutron experiment, 24:5641
  - Utilization of high-yield americium—beryllium—curium neutron sources for in situ elemental analysis, 21:35870
- MANDLER, John W. Neutron techniques for in situ elemental analysis, 24:151
- MANDO, M. Gamma decay of low-energy levels of ^{49}V, 25:45954
  - Lifetime of first excited state in ^{30}S, 24:30714
  - Reaction ^{20}Ne(n,2α)^{13}C, 21:4251
  - Strength of analog E2 transitions in ^{30}Si and ^{30}P, 24:26604
- MANDOLESI, N. Coherent and incoherent radio emission from EAS, 24:30180
  - Radio system for detecting pulses from cosmic-ray extensive air showers, 24:31758
- MANDRIOLI, G. Determination of pion—pion scattering lengths from K and eta decays, 23:7141
  - K$^+$p interactions in range 0.9 to 1.5 GeV/c, 25:1415
  - Production of a positive pion in a collision of a 247 MeV negative pion with a proton, 24:45429
- MANDRITSKAYA, K. V. Analysis of experimental data satisfying a distribution of the type x/sup m/dx, 21:46501
  - Fluctuations of different components of extensive air showers at sea level, 22:13278
  - Fluctuations of the energy flux of nuclear-active particles in extensive air shower cores, 22:13277
  - Primary cosmic super-high energy radiation and wide atmospheric showers, 22:2838
- MANDRY, Pierre Role of niobium in construction steels. I, 22:19530
  - Role of niobium in the improvement of the mechanical properties of weldable construction steels, 24:8091 (ORNL-tr-2246)
  - Solubility of niobium precipitates in austenite in the case of low-carbon construction steels and containing very small quantities of niobium, 21:9178
- MANDRY, Pierree Role of Nb in the improvement of mechanical properties of weldable construction steels. III, 23:27076
- MANDUCHI, C. Experimental study on low-energy levels of ^{4}He, 23:1786
  - Gas recoil neutron polarimeter, 23:11914
  - Polarization and cross-section measurements of protons scattered by ^{14}N, 21:5494
  - Polarization of neutrons from D—D reaction, 23:15355
  - Polarization of protons elastically scattered from ^{3}H, 21:44550
- MANDUCHI, M. T. Russo Polarization of neutrons from D—D reaction, 23:15355
- MANDULA, J. Duality and the hadron spectrum, 23:30742
  - Quantum numbers of cross-channel exchanges, 25:43565 (CALT-68-305)
- MANDULA, Jeffrey All possible symmetries of S matrix, 21:37870
  - Breaking duality, 23:39697
  - Model for the hadrons, 23:46682
  - Patterns of exchange degeneracies, 25:20124
- MANDULA, Jeffrey E. Does renormalized perturbation theory diverge, 24:22002
  - Kinematical constraints on helicity amplitudes, 23:3834
  - Misuses of the finite-energy sum rules, 22:35149
  - Symmetries of the relativistic hydrogen atom, 24:8685
- MANDY, Stephen H. Eccrine poroma, 25:27055
- MANDYBUR, T. I. Amyloid in late postirradiation necrosis of brain, 24:17121
- MANDZHAVIDZE, A. G. Temperature dependence of spontaneous magnetization in holmium during heating—cooling cycle, 25:9579
  - Temperature dependence of the pitch of the magnetic helix in rare-earth metals, 23:51791
- MANDZHAVIDZE, I. D. Total differential cross sections of inelastic processes at high energies, 25:45687
- MANDZHAVIDZE, Z. Sh. Characteristics and capabilities of a discharge—condensation chamber, 25:8551
  - Discharge-condensation method of detecting charged-particle tracks, 21:22163
  - Helium discharge-condensation chamber, 22:40461
- MANDZHOS, A. V. Cosmological solution of Jordan—Dicke field equations, 25:35814
- MANDZY, John Di-pion production and two-body annihilations in antiproton—proton interactions at 7 GeV/c, 25:59267
- MANECKE, Georg Use of redox resins in inorganic chemistry, 24:5740
- MANECKI, A. Spontaneous fission of uranium impurities in minerals, 23:38103
- MANEEPHONG, C. Induction of aneuploids in hexaploid oats, 23:16279
- MANEGIN, Yu. V. Extrusion of new Ni-base and refractory-metal-base alloys, 23:48375
  - Microstructure and mechanical properties of extruded TsM2A Mo alloy, 21:18241
- MANEGOLD, K. Influence of electron scattering caused by boundaries of inhomogenieties, 25:29523
- MANEGOLD, Karlheinz Radiation protection against neutrons in a betatron beam, 25:13450
- MANELIS, G. B. Effect of ionizing radiation on ammonium perchlorate-base fuel combustion, 23:28871 (JPRS-48117)
- MANELIS, R. M. Peculiarities of the vacuum-thermal method of preparation and some properties of yttrium and gadolinium borides, 21:8268
  - Preparation of very pure stoichiometric lanthanum hexaboride, 25:40096
  - Roentgenographic investigation of lanthanum borides, 21:18343
  - Structure and certain properties of yttrium diboride, 24:48901
  - X-ray determination of the expansion coefficients of lanthanum and yttrium borides, 25:13760
- MANELLI, I. Differential pion charge-exchange scattering and eta production, 22:26566
- MANELY, O. P. Synchrotron spectra associated with hard electron spectra, 22:43688
- MANENC, J. Structure and hardening of austenitic alloy, Fe—30 percent Ni—5 percent Nb, 23:34015
- MANENT, G. Development of ionization chambers designed to measure heating of nuclear origin, 23:14044 (CEA-CONF-1068)
  - Measurement of fast neutron flux by means of silicon diodes sensitive to damage, 23:13977 (CEA-CONF-1067)
- MANENT, Georges Analysis of pulse spectra: CORAUT program, 24:14285 (CEA-N-1238)
  - Operational testing and measurement of resolving time of counting assembly, 22:40481 (CEA-R-3440)
  - Power dissipated in graphite and CO_2 of a graphite reactor cell, 24:43855 (CEA-R-3985)
- MANER, B. A. Jr. Mutation of gene for naked seed in cotton, 23:33684
- MANERO, F. Background problems in thin heavy ice targets, 22:37254
  - Energy dependent anti τ-values for ^{233}U, ^{239}Pu, ^{235}U, ^{240}Pu, ^{241}Pu, and the status of anti τ for spontaneous fission isotopes, 25:10025 (INDC(NDS)-19/N)
  - Fluctuation analysis of neutron total cross sections between 3.2 and 5.2 MeV, 23:1839
  - Total effective cross section of Cr and As for neutrons of 3 to 5 MeV, 23:3992
  - Total effective neutron cross sections of O, La, Ce, and Pr at 3.2 to 5.2 MeV, 23:4033
- MANERO, J. Effects of irradiation on volatile components of fruit juices. I, 23:29924 (SPR-20)
- MANERO, Rodriguez Irradiation of terphenyls by fast electrons, 22:48873 (CONF-660553-7)
- MANES, J. D. Analysis of lipids of brain exposed to x radiation, 24:23346 (CONF-690501-, pp 877-86)
- MANES, L. Dielectric response and infrared spectrum of stoichiometric plutonium dioxide by optical reflection and absorption spectroscopy, 25:25238
  - Infrared absorption spectrum of PuO_2 powders and sintered pellets, 22:19648 (EUR-3739)
- MANES, Livio Infrared properties and specific heat of PuO_2, 25:11996
- MANESCHI, M. Use of artificial radioisotopes for topographic localization of pelvic lymph nodes, 23:2898
- MANESCHI, S. Spectrophotometric determination of tellurium in steels and cast irons, 25:31808
- MANESCU, Ioana M absorption spectra of thorium and uranium, 23:8461
- MANESS, D. D. Solvolysis of aryl-substituted vinyl sulfonates by a heterolytic mechanism, 24:44015
- MANESS, R. F. Corrosiveness of purex high-level waste solutions, 24:8051 (BNWL-1237)
  - Effects of Cr(VI) and Fe(III) on Purex plant corrosion, 23:14296 (HW-72076)
- MANESS, Roy F. Nickel—chromium alloy, 25:32653
- MANESSE, D. Interactions pp $\rightarrow$ ppπ$^+$π$^-$ at 8.1 GeV/c, 22:24535
  - Two-prong events in proton—proton interactions at 8.1 GeV/c, 24:3517
- MANET, Michel Improvements in casting processes, 24:19403
- MANEUVRIER, Jacques Shape and displacement of nighttime precipitation of auroral electrons, 23:23006
- MANEVY, G. ATTILA: a hot cell facility for reprocessing studies on irradiated fuels, 22:4418

Recovery of plutonium from slag as the fluoride, 23:15924 (CEA-CONF-1096)
Reprocessing of enriched uranium alloys, 24:44063 (CEA-N-1292, pp 139-59)
Reprocessing of fuel from the Rapsodie, 25:39581
Separation of hexafluorides of U and Pu, 23:13819 (CEA-CONF-1197)
Technological and economical aspects of irradiated fuel reprocessing by fluoride volatility methods in France, 23:49887 (CEA-CONF-1379)
Treatment of alloys based on enriched U: results of the operation of the ATTILA facility, 23:13805 (ANL-Trans-705)
Treatment of enriched uranium alloys, 23:13817 (CEA-CONF-1194)
Treatment of enriched uranium alloys, 23:13816 (CEA-CONF-1193)
MANEVY, Georges Apparatus for taking samples of powder, 24:16747
Improvements in punching machines, 23:33257
Processing irradiated ceramic fuel elements, 24:5735
Selective reduction of PuF_6, 23:35265
MANEY, John Irradiated heterotopic segmental canine pancreatic allografts, 22:43260
MANFORD, C. Thermal diffusivity of uranium and uranium—plutonium monocarbides, 25:29957
MANFRASS, P. Decay (Ω-forbidden) of 4.1 μs isomeric state in ^{170}Tm, 21:46751
Investigation of the ^{177}Lu level structure, 24:47582
Level scheme of ^{177}Lu in reaction (n,γ), 25:56762
Low-lying energy-level scheme of ^{179}Hf, 21:5553
Lutetium-177 radiation spectra during thermal neutron capture, 25:23037
Omega-forbidden transition in ^{170}Tm, 22:16027
Study of ^{175}Yb by the (n,γ) reaction, 21:46739
Study of ^{179}Hf by the (n,γ) reaction, 21:46738
Ytterbium-169 levels excited in the (n,γ) reaction, 23:31000
MANFRED, R. Timing system for nuclear experiments, 23:50230
MANFREDI, Felice Preoperative irradiation in bronchogenic carcinoma, 21:22549
MANFREDI, M. Positron annihilation in Cu, Ag, Au, and Tl halides, 21:16815
Positron annihilation in lithium hydride, 21:39810
Positron annihilation in semiconductors, 23:1213
Positron lifetimes in metal hydrides, 22:38732
MANFREDI, Orlando L. Radiation-induced major vascular occlusion, 24:2811
MANFREDI, P. F. Accuracy and charging speed in pulse stretchers. I, 23:38375
Accuracy and charging speed in pulse stretchers. II, 23:45591
Analysis of nonlinear feedback loops in pulse stretchers, 23:41103 (EUR-4289, pp 193-203)
Fast linear amplifier, 21:16245
Fast pulse amplitude-to-time converter for equivalent clock rate of some GHz, 23:751
High accuracy circuitry for pulse processing in nuclear physics experiments, 25:44667 (RT/EL-(69)7, Paper 8)
Improvement of sliding-scale analog-to-digital converters, 23:41121 (EUR-4289, pp 339-45)
Limitations in the performances of silicon detectors used as live targets in high-energy experiments, 25:46639
Linear biased gate, 21:14504
Linearity measurements in nuclear spectroscopy, 25:44666 (RT/EL-(69)7, Paper 7)
Silicon detectors target for coherent production analysis, 25:46638
Successive transformations of renewal processes through nuclear counters with dead-time, 24:23005
MANFREDI, V. R. Quadrupole quintet in ^{57}Co, 25:53673
Vibrational and rotational spectra in the region of the barium isotopes, 22:20663
MANFREDINI, A. Angular distribution of ^{238}U photofission fragments for 12 different monoenergetic γ rays, 23:13283
Cross section of ^{238}U fission induced by γ rays, 21:4301
Cross sections for photofission of ^{232}Th induced by monoenergetic gamma rays of 12 different energies, 23:23700
Photofission of ^{232}Th near threshold, 25:59786
MANFREDINI, Augusta New method of electronic scanning of tracks in nuclear emulsions, 21:17857
MANFRED LEUTHARD, R. T. Determination of radioactive iodine uptake, 22:31095
MANFREDOTTI, C. Behavior of the (γ,xn) cross section in Se and Fe, 21:44621
Intermediate structure in the photodisintegration of nickel, 22:22563
Photoneutron cross section for ^{27}Al, 23:52124
Photoneutrons from ^{4}He, 21:7691
Structure in the silicon photoneutron cross section, 23:19231
Structure of the giant resonance in medium spherical nuclei, 21:29953
MANFROID, J. Thermal instability and Jeans criterion, 25:40324
MANG, H. J. Angular momentum distributions in primary fission fragments, 24:43493
Application of the Hartree—Fock—Bogolyubov equations to nuclear rotations, 24:22222
Elementary particles, 22:9526
Hartree—Fock—Bogolyubov equations and a microscopic theory of nuclear rotations, 22:27326
Model for calculating the angular momentum distribution of fission fragments, 24:3956
Polarisation effect contributing to the isomeric shift in rotational nuclei, 24:52711
Shell-model theory of the nucleus, 23:11070
Symmetry-conserving Hartree—Fock—Bogolyubov theory, 24:22224
Theoretical alpha-decay rates for actinide region, 23:42950
MANGAKIS, N. Examination on peroxidase reaction in bone-marrow and peripheral blood of guinea-pigs following a whole-body x-irradiation of 600R, 22:38215
MANGAL, P. C. Angular distribution studies of ^{56}Fe(p,p'γ) radiations, 22:27195
Angular distribution studies on ^{56}Fe(p,p'γ) radiations, 22:32558
Decay of ^{103}Ru, 24:43403
Decay of ^{110}Ag, 21:15562 (CONF-660221-, pp 234-8)
Decay of ^{131}Ba, 24:15897
Decay of ^{134}Cs and ^{192}Ir, 25:50798
Decay of ^{144}Ce, 23:19283
Decay of ^{144}Ce, 23:40068
Decay of ^{182}Ta, 21:23486
Decay of /sup 115m/Cd and ^{182}Ta, 22:27171
Gamma—gamma angular correlation in ^{182}W, 21:35487
Gamma—gamma angular correlation studies in ^{133}Cs, 23:5932
Gamma—gamma directional correlations in ^{131}Cs, 24:33139
Gamma—gamma directional correlations in ^{110}Cd, 24:33138
Gamma—gamma directional correlations in ^{110}Cd, 25:50799
Note on 222-keV gamma-ray transition in decay of ^{133}Ba, 22:44696
States in $^{56}Fe_{30}$ excited by the (p,p'γ) reaction, 21:15513 (CONF-660221-, pp 98-103)
Sum coincidence spectrometer and the study of weak cascading gamma rays, 22:35315
Sum-peak and sum-coincidence studies in ^{192}Pt, 25:34111
MANGAL, Sain Effect of solar flare on cosmic-ray intensity, 22:31541
MANGAN, D. Linear analysis of xenon instability in high-temperature gas-cooled reactors, 21:7871 (GAMD-7213)
Nonlinear analyses of xenon stability in high temperature gas-cooled reactors, 21:1161 (GAMD-6924)
MANGAN, D. L. Plasma expansion into a vacuum environment, 23:30547 (SC-DC-69-1772)
Plasma expansion into a vacuum environment, 23:34430 (SC-R-69-1270)
MANGAN, Edmund L. Multirange radiation thickness gauge, 25:37658
MANGAN, J. uv-sensitive mutant of Neurospora defective for photoreactivation, 25:2556
MANGANARO, Mario Effect of inorganic composition of the diet on sensitivity to ionizing radiation and radiomimetic substances, 21:22735
MANGANELLI, R. M. Radiation treatment of an industrial waste, 21:40934
MANGANELLI, Raymond Energy-induced changes in an azo dyestuff waste, 22:51020
MANGANELLI, Raymond M. Experimental system for aerosol research, 22:51098
Radiation treatment of materials, 25:21027
MANGANO, J. A. Spectroscopic measurement of ion temperature, 22:46123 (TID-24666, pp 85-91)
MANGE, P. Geocoronal hydrogen: analysis of Lyman-alpha airglow, 24:42564
High-altitude measurement of the Lyman alpha nightglow at solar minimum, 24:45094
Lyman-α intensity and H concentration beyond 5 R/sub E/, 24:21684
MANGELSDORF, Paul C. Jr. Difference chromatography of sea water, 25:39422
Prog. rpt. on analysis of sea water by difference chromatography, 1969—70, 24:43890 (NYO-3838-5)
MANGELSDORF, Paul Jr. Prog. rpt. on analysis of sea water by difference chromatography, annual, 4/1/67—6/1/68, 22:37649 (NYO-3838-1)
MANGELSON, N. F. Improved method of calculating finite range corrections in two-nucleon transfer reactions, 24:13421
Levels in the A = 5 nuclei, 24:43113
Measurement of ^{35}Cl(p,n)^{35}Ar threshold, 22:50562
Method of calculating finite range corrections in two nucleon transfer reactions, 24:8927 (RLO-1388-105)
MANGELSON, N. L. Radioisotopic color scanning of pulmonary aeroemboli, 23:2879
MANGELSON, Nolan F. Spectroscopy of ^{14}N by use of the reaction ^{12}C(^{3}He,p)^{14}N, 22:44613
Study of ^{18}F by use of (^{3}He,p) and (α,d) reactions, 22:53108
MANGELSON, Nolan Farrin (^{3}He,p) and (α,d), two-nucleon stripping reactions on ^{12}C and ^{16}O, 22:50550
Two-nucleon stripping reactions (^{3}He,p) and (α,d) on ^{12}C and ^{16}O: mechanism and nuclear spectroscopy, 21:46669 (UCRL-17732)
MANGENEY, A. Characteristic features of type IV bursts. III, 23:39208
Emissivity and absorption coefficient of a homogeneous nonequilibrium plasma, 21:44096
Statistical mechanics of a weakly turbulent stable plasma, 24:19898
MANGENEY, Andre Relativistic kinetic equations including radiation effects. I, 22:29513
MANGENO, J. J. Disposal of radioactive wastes, 24:2668
Disposal of radioactive wastes from naval nuclear-powered ships, 23:31744
Disposal of radioactive wastes from U. S. naval nuclear-powered ships and their support facilities, 1969, 25:13444
Environmental monitoring and disposal of radioactive wastes from U. S. Naval nuclear-powered ships and their support facilities, 1970, 25:46836
MANGEOT, G. Prevention and fighting of fires in very-high-activity cells, 24:20966 (CEA-CONF-1428)
MANGHANI, Daya K. Distribution and fate of ^{54}Mn in rat, 23:45636
MANGHERS, L. Genetic control of endosperm proteins in wheat and barley, 23:31687
MANGHNANI, M. H. Elastic moduli of hcp Ti and Zr, 25:29852
Hydrostatic pressure derivatives of the single-crystal elastic moduli of zirconium, 24:32435
Temperature and pressure effects on elastic moduli of gadolinium single crystals, 25:24569
MANGIALAJO, M. Evaluation of lattice parameters for heavy water moderated, natural U fueled power reactor, 22:22765
Experimental investigations on U—D_2O lattices, 23:4454
Measurement of delta^{28} by track counting of fission fragments in polycarbonates, 24:18619
Neutron density hyperfine distribution in UO_2 fuel elements, 24:50539
Setting-up of a neutron dosimeter using ionographic tracks in an insulating solid, 25:57856
Solid state track recorder as a thermal neutron dosimeter, 25:51911
MANGIAPANE, J. A. Composite materials: metal-matrix and polymer-matrix, 25:47163
Fatigue behavior of a boron—epoxy-reinforced Ti compressor disk, 23:41577
MANGIARACINA, Richard S. Electron spin resonance of two glycine peptides irradiated at 77°K, 21:45541
MANGIAROTTI, L. Neutron transport in a coupled core assembly, 25:34428
MANGIN, J. P. Transients in electron linacs, 21:11848 (LA-3609, pp 332-6)
MANGO, S. Butanol polarized proton target, 23:30905
Inductive beam monitor for extracted proton beam of CERN synchro-cyclotron, 21:29655 (CERN-67-9)
Sizeable proton polarizations in frozen alcohol mixtures, 21:42517
MANGOLD, E. Level density parameters for Ge, Ho, and Ta, 25:12536
MANGOLD, Edward Covert Curve of growth analysis of spectrum of star theta Ursae Majoris, 24:8239
MANGOLD, Helmut K. Preparation of labeled lipids, 22:40570
MANGORYANOV, V. V. Stabilization system for a multidetector scintillation spectrometer, 23:33480
MANGUM, B. W. Low-temperature heat capacity of $NdCl_3$ and $PrCl_3$, 21:20609
MANGUS, J. D. Cost optimization and parametric studies, Westinghouse 1000-MWe LMFBR, 24:1970 (WARD-2000-96)
MANGUSCHEV, K. L. Use of underground nuclear explosions for increasing yield of oil and gas deposits, 24:11715
MANGUSHEV, K. I. Prospects of using nuclear explosions in developing oil and gas deposits, 23:40907 (JPRS-48338)
Use of underground nuclear explosions in oil—gas mining, 22:27945 (JPRS-44486)
MANHEIM, Frank T. Computer program for evaluation of emission spectrometric data, 22:42592 (NYO-2174-74)
MANHEIMER, W. M. Nonlinear development of the beam—cyclotron instability, 25:45500
Stochastic acceleration in bounded plasmas, 22:34653 (TID-24491, pp 85-97)
Weak turbulence of velocity space diffusion in a magnetic field, 25:17182
MANHEIMER, Wallace M. Bremsstrahlung and scattering at harmonics of the plasma frequency, 22:44164
Instabilities in a plasma coexisting with a large-amplitude wave, 25:22542
Interaction of three plasma waves in a cylindrical waveguide, 24:21838
Nonlinear development of an electron plasma wave in a cylindrical waveguide, 24:3421
Nonlinear flute instabilities inherent in two-component plasmas, 24:3392
Nonlinear stabilization and harmonic generation, 25:19723
Plasma heating due to the beam cyclotron instability, 25:45445 (AD-720675)
Proposed modification to Harris' quasi-linear equations, 22:9338
Stabilization of instabilities by mode coupling, 25:47573
Weak turbulence theory of velocity space diffusion and nonlinear Landau damping of waves, 23:12894
Weak turbulence theory of velocity space diffusion in a magnetic field, 23:23211
MANHES, B. Preparation of thin niobium films in an ultrahigh vacuum apparatus evacuated by a liquid-helium cryopump, 25:45422
MANI, A. Distribution of global and net radiation over the Indian Ocean and its environments, 22:40265
Surface radiation balance measurements in India during the IQSY, 25:24983
MANI, G. S. Elastic scattering of 50 MeV protons by light nuclei, 25:25645
Elastic scattering of 50 MeV protons by nuclei in range from ^{40}Ca to ^{208}Pb, 25:25700
Elastic scattering of deuterons by alpha particles, 22:9770
Energy levels in ^{6}Li and ^{7}Li from inelastic proton scattering, 22:5767
Gaseous target scattering chamber of small volume with a differential pumping system, 21:3289
Inelastic scattering of protons by ^{54}Fe, 25:17844
Polarization effects in the reaction ^{6}Li(d,α)^{4}He, 23:1815
Spin assignments to excited states of ^{54}Fe, 25:25696
Spin assignments to excited states of ^{54}Fe, 25:43840
MANI, H. S. Adler's test for CVC in weak interactions, 24:37733
Decay mode $\Sigma^0 \rightarrow \Lambda^0 + \gamma + \gamma$ and the magnetic moments of the Σ^0, 23:3670
Effect of weak interactions on electromagnetic properties of leptons, 23:32666
Electromagnetic weak decays in Nishijima model, 21:37767
Fixed-s superconvergence relations in Compton scattering and sum rules, 24:10710
Interference of kaon resonances, 22:44415
Model for low-energy pion—nucleon scattering, 21:29545
Models in weak interactions, 25:36467

- Proposed test of charge-conjugation invariance in positronium decay, 25:45702
- Proposed test of the conservation of charge conjugation in positronium decay, 25:53241 (AD-720854)
- Violation of Adler's theorem in scalar theories of weak interactions, 25:7613
- Violation of time reversal invariance, 21:4073
- MANI, I. Pulse radiolysis of benzene—cyclohexane mixtures, 23:45354
- MANI, Inder Gas-phase reactions of hydrogen atoms, 24:11612
  - Pulsed radiolysis of liquid cyclohexane and n-hexane. I and II, 23:311
  - Pulsed-radiolysis study of gas-phase reaction of O atoms with benzene, 23:47556
  - Scavenger kinetics in radiolysis of cyclohexane solutions. II, 21:42977
  - Scavenger kinetics in the radiolysis of cyclohexane—methyl iodide solutions, 21:36055
- MANI, J. C. Molecular structure and photochemical reactivity. IX, 22:51003
- MAN-I, Masano Variation in radiosensitivity of mice, 24:12277
- MANI, N. Thermal conductivity of heavy water (D_2O), 25:37398
- MANI, R. S. Niobium-95-labeled albumin in study of gastrointestinal protein loss, 21:28398
  - Radiation chemical processing, 24:50398 (CONF-690916-(Vol.1), pp 69-84)
  - Radiation processed fibre—polymer combinations, 23:15889
  - Radiation processed fibre-polymer combinations, 25:150
  - Radioiodinated synkol as a tumour-localizing agent, 23:48114
  - Stability and shelf-life of some labeled radiopharmaceuticals, 24:50437 (CONF-690916-(Vol.2), pp 112-17)
- MANI, V. V. S. Partitioning of Pu from U by reduction to Pu(III) with ferrous ions and hydrazine, 23:379
- MANIAR, G. N. Effect of molybdenum and hardener content on gamma-prime solvus temperature in a Ni20Cr base heat-resistant alloy, 25:35460
  - Gamma—gamma prime mismatch and strengthening in Ni/Fe—Ni base alloys, 24:19436
- MANIAR, Gunvant N. Effect of gamma—gamma prime mismatch, volume fraction gamma prime, and gamma prime morphology on elevated temperature properties of Ni, 20 Cr, 5.5 Mo, Ti, Al alloys, 25:16463
  - Heat treatment of 706 Alloy, 25:55554
  - Microstructure of 706, a new Fe—Ni-base superalloy, 25:55553
- MANIATIS, A. Effect of irradiation on bone marrow cells in rats, 23:35901
- MANIATIS, N. Late damage from Thorotrast. XLIII, 24:2828
- MANIAWSKI, F. Polarized-neutron study of the $Ni_{0.968}V_{0.032}$ alloy, 25:30680
- MANIAWSKI, Franciszek Polarized neutron diffractometer at EWA reactor, 23:14079 (INR-931)
- MANIDA, S. N. Investigation of total radiative corrections to ratio G/sub β//sup V//G/sub μ/, 25:59416
- MANIER, M. Oxidation kinetics of carrier-free tetravalent protactinium in aqueous media, 25:20996
  - Rate of oxidation of tetravalent protactinium in trace amounts in hydrochloric acid medium, 24:2192
- MANIER, Michel Oxidation kinetics of carrier free tetravalent protactinium in aqueous solutions, 24:38985 (NP-18348)
- MANIFESTO, H. D. Multiscaler, 24:33894
- MANIKAS, G. Radiation-induced sterility in the control of the olive fruit fly, 25:27151
- MANILERD, C. Delayed luminescence in alkali halides under F bleaching, 23:40679 (COO-1054-43)
- MANILERD, Chaleo Electron-hole recombination luminescence at a vacancy pair, 24:35528 (COO-1054-46)
- MANILOFF, Jack Effects of metals on cells, subcellular elements, and macromolecules. Proceedings of the 2nd conference on toxicity, Rochester, N. Y., June 12—16, 1969, 25:26608
- MANIN, A. Fabrication of tritiated targets at Saclay, 22:37241
  - Use of thin film solar cells in radiovoltaic generators, 25:2400 (CEA-CONF-1623)
- MANINA, A. A. Physiological and reparative regeneration in mitochondria, 23:38767
- MANINS, P. C. Measurement of heat transfer and gas flow resistance in square samples of packed beds, 23:519 (AAEC/TM-465)
- MANINTVELD, P. FREMIX: a high-power 8-GHz plasma heating experiment, 25:30456 (EUR-4593, pp 551-6)
- MANIRUZZAMAN, A. F. M. Breeding for earliness, high yield, and disease resistance in rice, 24:39491
- MANISTA, E. J. Mechanical velocity discriminator for fast neutral molecular beams, 25:33054
- MANITASEVIC, R. Dietary phosphorus supplementation on the uptake of radioactive Sr in rats, 21:16266
  - Reduction of the absorption and retention of strontium in rats, 21:39434
- MANIU, Mariana Effects of some radioprotective substances on liver mitochondria, 25:24214
- MANIWA, Hideyo Fracturing behavior and size effect of specimen width on transition behavior in various Charpy test specimens, 22:34058
- MANJAVIDZE, Z. Sh. Discharge-cloud method for detection of charged particle tracks, 21:24219
  - Filmless information from a discharge cloud chamber, 23:11857
  - Hydrogen discharge-cloud chamber, 22:49118
- MANJOINE, M. J. Fracture toughness of beryllium, 21:45891 (WANL-TME-1610)
  - Fracture toughness of beryllium, 24:14818
  - Fracture toughness of neutron irradiated beryllium, 24:39668 (WANL-TME-1656)
- Friction characteristics of graphite and graphite—metal combinations at room and elevated temperatures, 22:8751
- MANKA, C. K. Self-consistent time-of-flight analysis of a plasma gun,. 21:27192
- MANKA, R. H. Lunar atmosphere as source of ^{40}Ar and other lunar surface elements, 24:37175
  - Magnetospheric electric field properties deduced from simultaneous balloon flights, 25:22413
- MANKAMO, T. Measurements of the momentum correlation in the three-phonon annihilation of positronium, 25:16795
- MANKIN, J. B. Numerical methods for ecosystems analysis, 25:39387 (ORNL-IBP-71-1)
- MANKIN, James Bradley Jr. Control system sensitivity, 24:13667 (CTC-21)
- MANKIN, William Gray Solar limb darkening in far infrared, 24:17551
- MANKO, H. High-resolution x-ray images of sun using grazing incidence telescope, 25:884 (N-70-29888)
- MAN'KO, P. A. Production of marine reactors and steam generators, 25:3918
- MANKO, V. I. Bands of cluster states in nuclei at high excitation, 23:19392
  - Bands of surface cluster states in nuclei, 23:47073
  - Bloch functions of a relativistic charged particle in a magnetic field, 24:10651
  - Coherent states and Green function of charged particle in varying electric and magnetic fields, 25:30704
  - Coherent states and transition probabilities in a time-dependent electromagnetic field, 25:1351
  - Coherent states for charged particle time-dependent magnetic field, 24:6669
  - Dynamic symmetry of relativistic symmetric Coulomb problem in case of continuous spectrum, 22:44471
  - Dynamical symmetry of discrete spectrum of relativistic hydrogen atom, 23:18421
  - Dynamical symmetry of nonstationary systems, 25:53243
  - Dynamical symmetry of relativistic charged particle in constant magnetic field, 23:14924
  - Elastic scattering of protons by phosphorus and reactions $^{31}P(p,\alpha_0)^{28}Si$ and $^{31}P(p,\alpha_1)^{28}Si$ in 1.0 to 3.8-MeV energy region, 22:24841
  - Excitation of charged particle in constant magnetic field by means of electric field, 25:17438
  - Helicity group in relativistic symmetrical Keppler problem, 23:3298
  - One- and two-nucleon transfer reactions induced by ^{16}O ions incident on the even Zr isotopes, 25:46024
  - Possibility of existence of a quark state of matter in stars, 21:9767
  - Possible case of violation of the independence of compound nucleus decay of the input channel spin, 24:52541
  - Properties of ^{32}S nucleus excited states, 23:37154
  - Properties of ^{36}Ar and ^{38}Ar nuclear levels excited in the capture of protons by Cl isotopes, 21:9990
  - Quasielastic scattering of ^{6}Li ions, 24:35816
  - Radio emission 1.6-cm of solar sources associated with sunspots and flocculi, 23:5179
  - Spin mixing in initial channels of reaction $^{31}P(p,\alpha_0)^{28}Si$, 22:48506
  - Statistical analysis of angular distributions of the $^{35}Cl(p,\alpha)^{32}S$ and $^{37}Cl(p,\alpha)^{34}S$ reactions, 22:26950
  - Symmetry of relativistic problems, 22:29674
  - Violation of independence of decay of compound nucleus, 25:5636
- MAN'KO, V. M. Influence of γ-radiation on antibody production by spleen cells in vivo, 21:34790
  - Interaction between genetically different cells in irradiated recipients, 24:2592
- MANKO-JASEK, Czeslawa Changes in face and head after x-ray radiation in children, 23:29879
- MANKOVSKII, K. K. Quantum size effect in superconducting tin films, 24:8398
  - Superconductivity critical transition temperature in thin tin films, 25:3026
- MANKOWSKI, Z. Grafting of methyl methacrylate and acrylonitrile onto pre-irradiated poly(vinyl chloride) films, 21:24013
- MANKU, G. C. S. Formation constants of some metal complexes of 5,7-diiodo-8-hydroxyquinoline, 25:26214
- MANKU, G. S. Pyridine-2-aldoxime and 6-methylpyridine-2-aldoxime as gravimetric reagents for estimation of Pd(II) and U(VI), 25:2072
  - Spectrophotometric determination of Ru(III), 24:22588
  - Spectrophotometric determination of Ru(III) and Ir(IV) with 8-hydroxyquinoline N-oxide, 24:43942
  - Spectrophotometric studies of ruthenium(III) and rhodium(III)—oximidobenzotetronic acid complexes and simultaneous determination of two metals, 22:1978
  - Stability constants of some lanthanon complexes, 23:6122
- MANLEY, A. J. Behavior of fission gases in irradiated UO_2, 23:3159 (TRG-Report-1681)
  - Transmission electron microscopy of irradiated UO_2 fuel pellets, 22:38636
- MANLEY, A. W. J. Ion analysis of rf-excited deuterium ion sources, 25:20150
- MANLEY, B. W. Channel electron multiplier, a new radiation detector, 21:41302
- MANLEY, Brian William Improvements in or relating to image intensifiers and the like, 23:50215
- MANLEY, J. H. Electron microscopy: enhancement of specimen contrast by injection of atoms, 22:12793
- MANLEY, O. P. High-energy β's and γ's from long half-life fission debris products, 21:25048
  - High-temperature component of Cen XR-2, 22:49951
  - Mechanism for x-ray production in Sco X-1, 24:6308
  - Two distance estimates to Sco X-1, 24:17519
- MANLEY, Oscar P. Interaction of relativistic particles with magnetic fields, 21:33453
  - Models of x-ray stars, 23:39172
  - Problems relating to magnetic fields in neutron stars, 21:16780
  - Unusual long-term behavior of 3C 371, 22:17257
  - X-ray emission from Cen XR-2, 22:2725
- MANLEY, S. W. In vitro bioassay for thyrotrophin, 23:31600
  - In vitro bioassay of serum thyrotrophin, 23:33593
- MANLY, W. D. Selection of materials for steam generators for nuclear reactors, 22:32833
- MANN, A. Approach to the nuclear many-body problem by a variationally determined transformation, 24:13424
  - Hartree—Fock problem with subsidiary conditions and random phase approximation, 22:35383
  - $K^{-}p$ amplitudes near the Λ(1520), 24:37658
  - Linearized version of the Hartree—Fock method, 25:28519
  - Maximum vs. critical temperature in a superfluid approach to strong interactions, 25:47840
  - Mesonic structure in the nucleon, 25:56512
  - Random phase approximation for solvable nuclear model, 24:3984
  - Search for decay K/sub S/^{0} $\rightarrow$ π, 23:16926 (BNL-13279)
  - Second random phase approximation via the generator coordinate method, 24:13395
  - Study of approximations in the nuclear pairing-force problem, 25:34172
  - Theory of superfluidity, 25:43285
- MANN, A. K. Analysis of K/sub l3/ form-factor data, 21:37757
  - Comments on the letter limits on the electromagnetic production of heavy leptons, 25:27998
  - Contribution of leakage matrix elements to form factors in K/sub l3/ decay, 22:9572
  - Detection of the weak intermediate boson through its hadronic decay modes, 25:1392
  - Detection of the weak intermediate boson through its hadronic decay modes, 25:3333 (NYO-2171-323)
  - Energy dependence of the form factor in K/sub e3/$^{+}$ decay, 21:42251
  - Measurement of relative rate K/sub e2/$^{+}$/K/sub μ2/$^{+}$, 23:8726
  - Measurement of the branching ratios of K/sub μ2/$^{+}$, K/sub π2/$^{+}$, K/sub e3/$^{+}$, and K/sub μ3/$^{+}$, 21:25228
  - Measurement of the K/sub e2/$^{+}$ branching ratio, 21:18888
  - Neutrinos and muons in area 1, 24:52294 (TID-25473(Vol.1), pp 273-8)
  - Neutrinos versus muons in W-boson production, 24:40333
  - Polarization and angular distribution of the Λ^{0} in associated production, 21:11741
  - Positron momentum spectrum and branching ratio of K/sub e3/$^{+}$ decay, 22:15666
  - Upper limit on structure-dependent radiation in $K^{+} \rightarrow e^{+}$ + τ/sub e/ + γ, 24:33006
  - Value of Re xi from measurement of a transverse component of muon polarization in K/sub L/^{0} $\rightarrow$ π^{-} + μ^{+} + τ, 21:869
  - W searches with high-energy neutrinos and high-Z detectors, 24:51914 (TID-25473(Vol.4), pp 201-7)
- MANN, B. Cadmium fluoride photon spectrometer, 21:6272
  - Photodisintegration of deuteron between 100 and 320 MeV, 22:48447
- MANN, Bruce J. Examination of the emergency radiation doses used for nuclear power plant siting evaluations, 25:55242
- MANN, C. A. High-speed facsimile display of flaw signals or metrological readings from tubes, 25:6489
- MANN, Charles Alan Conveyor system, 25:51845
- MANN, D. B. Technology of liquid helium, 23:18546
  - Technology of liquid helium, 23:32270
- MANN, D. E. Infrared spectra and geometry of SO_2 isotopes in solid Kr matrices, 23:24189
- MANN, Dean Use of insoluble antibody for quantitative determination of small amounts of immunoglobulin, 23:31599
- MANN, E. Use of the non-linear elasticity theory for defects in crystals, 21:13622 (AERE-Trans-1062)
- MANN, E. R. Measurement of reactor fluctuation spectra and subcritical reactivity, 22:35635
- MANN, F. Anisotropy $^{2}H(d,p)^{3}H$ at low energies, 25:12368
- MANN, G. R. Variations in the active region, McMath No. 8362 prior to the proton flare of July 7, 1966, 23:22793
- MANN, H. M. Development of Ge(Li) spectrometer systems at Argonne, 23:33473 (ANL-7282, pp 118-87)
  - Germanium γ-ray spectrometers, 22:12600
  - High resolution Ge(Li) spectrometer for high input rates, 21:26163
  - Negative polarization in the zodiacal light, 22:29001
- MANN, J. Unique mechanical fabrication techniques on the BNL cyclotron, 23:28046
- MANN, J. B. Speculations on chemistry of superheavy elements such as Z = 164, 25:23561
- MANN, J. E. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)
  - Considerations of detail in physics design and fuel management of fast power breeder reactors, 24:22411
  - Experimental separated-orbit cyclotron (4 MeV), 21:38091
  - Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
  - Four-MeV experimental S.O.C.: review, 22:41896 (RHEL/M-124, pp 133-44)
  - High-resolution electron microscopy, 22:33684 (ORNL-4217, pp 140-57)
  - Magnet development for 50-MeV S.O.C, 22:41899 (RHEL/M-124, pp 181-98)
  - Magnet development for the 50-Mev SOC, 21:992 (ORNL-P-2357)
  - Prog. rpt. on high resolution microscopy, annual, 1968, 24:2083 (ORNL-TM-2666)
  - Recent progress on a supercurrent separated orbit cyclotron, 21:29763
  - Separated-orbit cyclotron (4 MeV), 23:28044

- Some physics studies in support of pfr design, 22:18509
- The 4-Mev experimental SOC: design details, 21:993 (ORNL-P-2358)
- MANN, J. R. Americium and Pu urine excretion following inhalation, 22:28351
  - Body counter evaluations of plutonium exposures, 21:16357
  - Evaluation of accidental personnel exposure to ^{238}Pu, 24:48546
  - Lung burden following acute inhalation exposure to highly insoluble PuO_2, 21:39415
- MANN, John Erskine Fast nuclear reactor, 22:18533
  - Fast nuclear reactors, 22:20884
  - Improvements in or relating to nuclear reactors, 22:20962
  - Nuclear reactors, 22:16241
  - Nuclear reactors, 23:2002
- MANN, John R. Criticality dosimetry for plant personnel, 24:11847 (RFP-1369)
  - Measurements of ^{238}Pu, 21:45625 (RFP-954)
- MANN, Jonah Interpretation of tracer data, 23:47920
- MANN, Joseph B. Atomic structure calculations. II, 22:17345 (LA-3691)
  - Breit interaction in multielectron atoms, 25:38169
  - Compton scattering factors for spherically symmetric free atoms, 21:35007 (LA-3689)
  - Compton scattering factors for spherically symmetric free atoms, 21:46418
  - Hartree—Fock diamagnetic susceptibilities, 24:51406
  - Hartree—Fock energy results for elements H to Lawrencium, 21:37094 (LA-3690)
  - Ionization cross sections of the elements calculated from mean-square radii of atomic orbitals, 21:18455
  - SCF relativistic Hartree—Fock calculations on the superheavy elements 118 to 131, 24:49039
  - Spin—orbit coupling constants and other radial parameters for actinide ions, 24:39839
  - Stability of 8p electrons in superheavy elements, 23:39301
  - X-ray scattering factors computed from numerical Hartree—Fock wave functions, 22:19736 (LA-3816)
  - X-ray scattering factors computed from numerical Hartree—Fock wave functions, 23:16657
- MANN, K. C. Excited states of ^{154}Gd, 22:44690
- MANN, L. G. Beta—γ(CP) correlation measurements and the spin of ^{52}V, 21:9980
  - β—γ(CP) correlation measurements and anti-analogue structure in the decay of ^{49}Ca, 24:20377
  - Coulomb matrix elements from β—γ(CP) correlation measurements in ^{57}Ni and ^{61}Ni, 22:35259
  - Electron capture and positron decay of ^{57}Ni to levels of ^{57}Co, 23:13227 (UCRL-71093)
  - Electron capture and positron decay of ^{57}Ni to levels of ^{57}Co, 23:44861
  - Fermi matrix elements inferred from β-γ(CP) correlation measurements in ^{53}Fe decay, 21:4256
  - Gallium-64 spin from β—γ(CP) correlation data and decay to ^{64}Zn levels, 21:23463
  - High-resolution Ge(Li) study of the decay of /sup 129g/Te and /sup 129m/Te, 23:13280
  - Megachannel pulse height analysis, 23:50212 (UCRL-71839)
  - Single-particle and core-coupled states in ^{57}Co, 23:37179
- MANN, L. R. B. Properties of E. coli grown in deuterated media, 25:49086
- MANN, L. W. Crowbar code, 21:22067 (LA-3548)
  - Curves for predicting stresses in controlled fusion pulsed magnetic field systems, 23:48932 (LA-4186)
  - Z-pinch experiments with shock heating, 25:38333 (CONF-710607-14)
- MANN, Leland A. Application of gamma radiation to sewage treatment, 24:46283
  - Biological—gamma-radiation system for sewage processing, 25:48535
  - Fluid irradiating apparatus using gamma rays and helical passageways, 25:57636
- MANN, Marvin M. Technical specifications in principle and practice, 25:51142
- MANN, R. A. Sachs—Schwebel theory of quantum electrodynamics, 25:7727
  - Trouble with the self-consistent field theory of quantum electrodynamics, 22:48358
- MANN, Robert L. Project Rulison: preliminary report, 24:22833 (PNE-R-19)
- MANN, Ronald Electric cables insulated with radiation cross-linked polyvinyl chloride, 21:25927
- MANN, S. Nuclear safety in American radiochemical processing plants, 25:26780
- MANN, W. Anthony CP violation in K(neutral) $\rightarrow$ $\pi^+\pi^-\pi^0$, 25:14762
- MANN, W. B. Backscattering of alpha particles from thick metal backings as a function of atomic weight, 22:38011
  - Conference on radioactivity calibration standards, Washington, D. C., 11/68, 25:6471 (NBS-SPEC. PUBL-331)
  - Distribution of 70-kV Pr ions in Fe foil and a technique for removing thin layers of Fe, 24:24993
  - Half lives of two excited states in ^{239}Np, 23:42926
  - Method for obtaining large numbers of measured time intervals in radioactive decay, 22:49162
- MANN, William Anthony Time distribution of leptonic K^0 decays, 25:36457
- MANNA, Feliks Changes in eye of rabbits with radiation sickness, 23:50862
- MANNA, G. K. Intra- and interspecific radiosensitivity of grasshoppers, 24:25464
  - X-ray induced damages to meiotic chromosomes of grasshoppers, 24:36737
- MANNAMI, M. Anomalous energy losses of 1.5-MeV protons channeled in silicon, 22:17812
  - Channeling of 1.5-MeV protons in alkali-metal halide crystals, 24:21877
  - Measurement of nuclear reaction times by the use of the blocking effect, 24:52493
  - Temperature effects on channeling of protons in silicon crystal, 23:32573
- MANNAMI, Michi-hiko Defect clusters in electron- and in neutron-irradiated lithium fluoride, 21:18807
  - Diffuse scattering of electrons by defects in crystals. II, 25:17314
  - Reaction time measurement by using blocking effects in single crystals, 24:20347 (JAERI-1184, pp 141-5)
- MANNAN, M. A. Analysis of UO_2—2 wt percent PuO_2-fueled, D_2O-moderated critical experiments, 23:4358
  - Analytical correlations of: PRCF batch core fuelled experiments, 24:50181 (BNWL-1453)
  - Cylindrical cell approximation in thermal utilization, 21:31963
  - Interference between resonances in a slab lattice, 22:20950
  - Physics aspects of the PRTR batch core experiment, 23:17247 (BNWL-SA-2192)
  - Resonance absorption in KANUPP lattice, 23:31127 (PINSTECH/RT-1)
- MANNAN, S. L. Strength-differential phenomenon in Zircaloy-2, 25:16492
- MANNARINI, G. Injurious effects of radiotherapy in aged women with malignant genital neoplasms, 25:52251
- MANNAS, D. A. Effects of long-term sodium exposure on materials in SRE, 21:30089 (AI-66-53)
- MANNE, Rolf Electron interaction in transition metal x-ray emission spectra, 24:49260 (UUIP-702)
  - Sanibel (spin projection) coefficients, 21:1119 (AD-628823)
  - X-ray emission spectra of VC/sub x/, NbC/sub x/, TaC/sub x/, and ZrC, 23:46553 (UUIP-620)
  - X-ray emission spectra of VC/sub x/, NbC/sub x/, TaC/sub x/, and ZrC, 25:30267
  - X-ray study of inner level shifts and band structure of TiC and related compounds, 23:15766 (UUIP-608)
- MANNELLA, G. G. Radio measurement of atmospheric ozone transition at 101.7 GHz, 22:19690
- MANNELLI, I. Charge asymmetry in decay K/sub L/ $\rightarrow$ $\pi^+\pi^-\pi^0$, 24:37618
  - Failure to observe a meson decaying into $\pi^+\pi^0$ in the reaction $\pi^+ + p \rightarrow \pi^+ + p$ with 968-MeV/c incident π^+, 22:11593
  - Further results on $\pi^-p \rightarrow K^0Y^0$ in forward direction at 6, 8, and 11.2 GeV/c, 22:39277 (CERN-68-7(Vol.2), pp 190-207)
  - High-Z cylindrical spark chamber, 22:24777
  - Liquid hydrogen target with interaction point localization by Cherenkov effect, 23:17801
  - Pi$^-$ + p $\rightarrow$ $K^0 + \Lambda/\Sigma^0$ associated production, 23:39616
  - Pi$^-$p $\rightarrow$ $K^0 + \Lambda^0(\Sigma^0)$ associated production between 6 and 11.2 GeV/c, 23:23374
- MANNER, W. anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:15471
  - anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:49317
  - Four- and five-body final states from 3-GeV/c π^-p interactions, 22:20145
  - POLLY I: operator-assisted bubble chamber film measuring system, 23:16154 (CONF-680628-, pp 72-103)
  - Production of strange particles in π^+p interactions at 5.5 GeV/c, 25:3279
  - Sigma hyperon production in 2- and 3-body final states, 22:17868
  - Study of structure in antiproton—proton total cross section near 1.3 GeV/c, 22:26560
- MANNER, W. E. POLY I: operator-assisted bubble chamber film measuring system, 22:47381
- MANNERBERG, Fritz Effects of focused laser radiation on dental enamel, 22:31225
  - Laser-induced effects on tooth structure. III, 24:27712
- MANNERY, E. J. Scorpius XR-1: some x-ray and optical observations, 24:46927
  - Simultaneous observations of optical and x-ray spectra of Sco XR-1, 23:5135
- MANNERY, Edward J. Photoelectric photometry of Nova HR Delphini 1967, 24:42356
  - Spectral and location measurements of several cosmic x-ray sources including a variable sources in Centaurus, 22:17265
  - Use of BVr photometry to derive metal abundances in G8—K2 giants, 23:18318
  - Use of UBVr photometry for discovery of peculiar stars, 24:19558
- MANNESCHMIDT, J. F. Disposal of radioactive liquid and gaseous waste, 21:34428 (ORNL-TM-1832)
  - Monitoring of radioactive gaseous wastes at ORNL, 21:8799 (ORNL-TM-1569)
  - Recent advances in monitoring of radioactive gaseous wastes at ORNL, 21:31920 (CONF-660904-Vol.1 and 2, pp 586-611)
- MANNFELD, U. Scintigraphy of non-toxic nodular and of malignant goitre, 24:41930
- MANNHARDT, Endre Application of multichannel analyzers in isotope technique, 23:41167
- MANNHART, W. Isomeric cross-section ratios for 2p/sub 1/2/ and 1g/sub 9/2/ shell-model states formed by thermal neutron capture, 22:15977
- MANNHEIM, P. D. Current conservation, VDM, and decay processes, 25:22809
  - Photoproduction of vector mesons in a Regge-pole model, 24:12972
  - rho-meson mass shift in photoproduction processes, 25:3326
  - Spin-independent Pomeron in πN scattering, 24:40398
- MANNHEIM, Philip D. Influence of force-constant changes and localized modes on V:^{57}Fe Moessbauer system, 22:11521
  - Vector-dominance frame problem, 25:38703
- MANNHEIMER, E. Iron deficiency and granulocyte diameters, 22:18678 (LA-tr-67-114)
- MANNI, M. A. Beam plug for radiation shielding penetrations, 25:50476
- MANNIGEL, Ursula Effects of radiation on adrenal cortex. IV, 23:10055
- MANNILA, Kathleen D. Complexes of the rare earths, 22:30524
- MANNINEN, J. Time-dependent neutron spectrum in zirconium hydride, 22:29879
- MANNINEN, Jussi Slowing down of neutrons in zirconium hydride, 21:11951
- MANNING, Bernard High silica matrix radioactive source and method of preparation, 22:21293
- MANNING, C. R. Electroslag remelting of superalloys: production melting experience, 24:32354
- MANNING, Charles R. Jr. High-temperature cermets. I, 22:49825
  - High-temperature cermets. II, 22:49824
- MANNING, Charles Richard Jr. Thermochemical, compatibility, and wettability studies of high-temperature Mo—Re base cermets, 21:46011
- MANNING, D. C. Determination of B, Be, Ge, and Nb with nitrous oxide—acetylene flame, 23:37901
  - Determination of lutetium and thulium by atomic-absorption spectroscopy, 24:18887
- MANNING, D. L. Disproportionation of U(V) in molten $LiF—BeF_2—ZrF_4$, 23:7542
  - Electrode potentials of several redox couples in molten fluorides, 24:13843
  - EMF on the U(IV)/U(III) couple in molten $LiF—BeF_2—ZrF_4$, 24:5655
  - Emf, voltammetric measurements on U(IV)/U(III) couple in molten $LiF—BeF_2—ZrF_4$, 23:28681 (ORO-3518-11)
  - Exchange current measurements on nickel—nickel(II) couple in molten fluorides, 21:17608 (ORO-3518-3)
  - Voltammetric and emf measurements on nickel—nickel(II) couple in molten fluorides, 21:15880 (ORO-3518-2)
- MANNING, F. W. Radiological instrument design, 24:25327 (ORNL-TM-2969)
- MANNING, G. Decay of long-lived neutral kaons into two neutral pions, 23:14960
  - DIFF: a code to prepare neutron diffusion theory parameters, 21:33845 (AAEC/E-174)
  - Nimrod experimental program, 25:53428 (UCRL-20655, pp 2-37)
- MANNING, G. E. Neutronics and associated aspects in design of small BeO moderated HTGC reactors, 24:43685 (AAEC/TM-534)
- MANNING, Irwin Use of iteration procedures to generate scattering approximations, 22:26730
  - Weinberg's perturbation theory at infinite momentum, 24:3737
- MANNING, J. J. Calibration of Bonner ball neutron detectors used at Tower Shielding Facility, 25:42055 (ORNL-TM-3465)
- MANNING, JaRue Stanley Biophysical studies of mammary tumor virus, 24:24981 (UCRL-19360)
- MANNING, M. R. 64000 channel 2 parameter pulse height analyzer for coincidence studies, 25:37590
  - Density dependent forces and the nature of the ^{28}Si ground state, 22:13961
- MANNING, Miriam D. Irradiation of the nasopharynx in children, 21:26498
- MANNING, P. G. Compositions of garnets in interstellar dust, 24:48975
  - Interstellar absorption band at 4430A, 24:35132
  - Is Pluto an iron-rich planet, 25:33047
  - Origin of the iron bands in supernovae spectra, 25:11562
  - Presence of two Fe^{3+} bearing minerals in interstellar dust, 25:33020
  - Silica minerals in interstellar dust, 25:19453
- MANNING, R. B. Fuel services of UKAEA for nuclear energy, 22:48797
  - Use of fuels in UKAEA for nuclear energy, 23:13508
- MANNING, R. J. Delayed photon emission from alpha-excited solid helium, 25:16765
  - Forward peaks in single-meson-exchange forbidden reactions, 23:42573
- MANNING, Robert J. Inhibition of the scintillation of stationary and rotating He II, 21:11568
  - Mass spectrum $\pi^0\pi^0$ and delta$_0^0$ below 1 GeV, 23:42561
  - Phenomena resulting from heating of small wires in He II, 22:22086
  - Resonance production in reaction $\pi^+D \rightarrow PP\pi\pi$ from 1.1 to 2.3 GeV/c, 24:1515 (UCRL-19339)
  - Search for a $2\pi^0$ resonance near 730 MeV in π^+d interactions, 22:44330
- MANNING, Robert Jerome Resonance production in reaction $\pi^+d \rightarrow pp\pi\pi$ from 1.1 to 2.3 GeV/c. I: II, 25:12107
- MANNING, W. R. Elastic properties of polycrystalline TiB_2, ZrB_2, and HfB_2, 23:27172
  - Elastic properties of polycrystalline Y_2O_3, Dy_2O_3, Ho_2O_3, and Er_2O_3, 23:44014
  - Elastic properties of polycrystalline thulium oxide and lutetium oxide, 24:27865
  - Elastic properties of Y_2O_3, HO_2O_3, and Er_2O_3, 23:48532
- MANNING, William R. Porosity dependence of Young's and shear moduli of polycrystalline yttrium oxide, 22:49837
- MANNING, William Roger Anomalous elastic behavior of polycrystalline Nb_2O_5, 25:42955 (IS-T-446)
- MANNING D. L. Electrochemical reduction of U(IV) in molten $LiF—BeF_2—ZrF_4$, 23:7541
- MANNINO, N. Clinico-radiologic considerations on a case of berylliosis, 21:17976
- MANNISTO, H. Dynamics of a cellulose bleaching plant, 22:14702
- MANNIX, Henry Jr. Thirty-year surgical experience with thyroid cancer, 22:15055
- MANNO, V. Conference on intercorrelated satellite observations related to solar events, Noordwijk, Netherlands, 9/69, 25:27531
  - Geometric factor of two parallel, directly opposed, plane circular cosmic ray detectors as function of angle of incidence of radiation, 25:23852
  - Project of an experiment on e^+e^- annihilation in two bosons, 21:27286 (LNF-66/56, pp 3-13)
- MANNONE, F. Determination of ^{239}Pu and ^{240}Pu in irradiated U fuels, 23:9343

Plutonium separation from neutron irradiated uranium monocarbide, 22:33501
MANNONE, G. Cavitation phenomena, 23:41539 (EUR-4195)
MANNOX, D. J. Tantalum and its alloys as engineering materials, 21:43569
MANNS, J. G. Insulin secretion by the ovine fetus in utero, 23:31678
MANNSCHRECK, Albrecht Proton resonance investigations in aromatic heterocycles. III, 21:3030
MANNY, Ben L. t-channel transformation matrices for helicity and invariant amplitudes for $\gamma + N \rightarrow 0^- + B$, 25:50092 (ORO-3992-33)
MANNY, Bruce A. Secretion of dissolved organic carbon and nitrogen by aquatic macrophytes, 25:48379 (COO-1599-42)
MANOF, A. Digital filter for resolution improvement, 24:48306
MANOHAR, C. Field theory technique as applied to electrons in external field, 22:5466 (BARC-292)
Theory of localized magnetic states in metals. I, 24:50262 (BARC-494)
MANOHAR, S. B. Fission yields and recoil ranges determined by a Ge(Li) detector, 24:30803
Kinetic energy release in reactor neutron-induced fission of ^{232}Th, 23:19274
Kinetic energy release in reactor neutron-induced fission of ^{232}Th, 23:23716
Kinetic energy release in the neutron-induced fission of ^{233}U and ^{239}Pu, 24:52552 (CONF-690916-(Vol.1), pp 182-90)
Preparation of actinide targets by electrodeposition on aluminum, 25:25604
Ranges of fission fragments in reactor neutron induced fission of ^{232}Th, 23:1892
MANOHARAN, A. C. Holomorphy envelope of the four-point function, 23:36988
Theorem (CPT) and odd-dimensional space—time, 23:15171
Upper bounds on Holomorphy envelopes for Wightman functions, 22:35074
MANOILOV, S. E. Effect of dicaptol in acute radiation sickness, 21:22634
Mechanism of damage to the hard tissues of the tooth as a result of the influence of penetrating radiation, 21:6569
Mechanisms of primary biological effect of ionizing radiation, 21:30876
Primary mechanisms in the biological effects of penetrating radiation, 25:24370
MANOJLOVIC, Ciro Lesions of hearing caused by radioactive radiations, 22:49529
MANOJLOVIC, Ljubica M. Phase equilibrium analysis of UO_2—V_2O_5 system in temperature interval 900 to 1200°C, 22:45826
X-ray investigation of the U_3O_8—V_2O_5 system, 24:25799
MANOJLOVIC, N. Elimination and metabolism of benzo(a)pyrene after intratracheal injection, 25:31715 (ORNL-tr-2469)
MANOLESCU, Em. Curarizing action of some new radioprotective substances, 22:31118
MANOLKIDIS, K. A. Absolute neutral oil content of vegetable oils by radiochemical technique, 22:38012
MANOLOV, K. R. Oxidation of aromatic amines, 24:29184
MANOLOV, L. Perennial fission products from radioactive fallout in superficial layers of mountain passes, 21:19773
Relationship of lasting artificial radioactivity of the air and precipitations of the regime of temperature inversions, 23:13881
MANOLOV, L. S. Peculiarities of snow cover pollution from dry and wet radioactive fallout in mountainous places, 23:17590
MANOLOV, Liudmil Variations of artificial radioactivity in the surface air layer, 22:47246
MANOLOV, Ljudmil Dependence of the natural radioactivity of the ground air on the temperature inversions in the atmosphere, 22:40210
Variations of artificial radioactivity in the surface air layer, 22:25540
MANOLOV, P. X-ray protective and x-ray therapeutic action of hydrolyzates from red bone marrow, 23:892
MANOUGIAN, E. Continuous ^{14}C glucose tracer models from discrete experimental data, 22:43221
MANOUGIAN, Edward Heavy particle radiosurgery in Cushing's disease, 23:8023 (UCRL-18066, pp 193-8)
Prog. rpt. on heavy-particle therapy in Cushing's disease, 24:29821 (UCRL-18793, pp 135-9)
Successful treatment of acromegaly: metabolic and clinical studies in 145 patients, 24:41940
MANOUKIAN, E. B. Equivalence between two field-theoretical models involving pure fermion fields, 25:12241
Wave operators in time-dependent potential scattering for long-range potentials, 25:20108
MANOUSSAKIS, G. Study on complexes of Fe^{3+}, Cu^{2+}, and UO_2^{2+} with benzanilidoxime, 24:11521
MANOVA, Magdalena Radioactivity of deposits along the Luznice River, 22:30701
MANOVA, T. G. Influence of various carriers in the spectrographic analysis of oxides of refractory metals (tungsten and zirconium), 25:57335
Spectral determination of impurities in molybdates of sodium and the rare earth elements (exchange of experience), 25:37278
MANOWITZ, B. Case for epithermal breeders, 22:9991 (BNL-10809)
Conceptual designs for Hawaiian irradiator and quarantine demonstration irradiators, 21:34404 (BNL-11512)
Concrete—polymer composites for underwater applications, 24:12493 (BNL-14267)
Concrete-polymer composite materials, 24:39734 (PRNC-135, pp 152-5)
Concrete-polymer materials, 23:16552 (BNL-50134)
Concrete-polymer materials and polymer-concrete composites, 24:31425
Concrete-polymer materials development, 24:46287
Concrete-polymer materials. Second topical report, 24:39730 (BNL-50218)
Determination of S isotope ratios in the atmospheric diagnostics program at BNL, 24:5590
Development of concrete-polymer materials, 23:39068 (BNL-13732)
Development of concrete-polymer materials and composites, 25:4838
Economics of steady-state ^{238}Pu production in epithermal reactors, 21:35595
Economics of steady-state ^{238}Pu production in epithermal reactors, 21:38576
Hybrid fossil-nuclear fueled MHD power cycles, 22:43952 (BNL-12569)
Light water moderated breeder, 21:31901 (BNL-11463)
Non-equilibrium ionization by metastable excited species in nuclear MHD cycles, 21:29074 (BNL-11300)
Pollution-free hybrid fossil-nuclear fueled MHD power cycle, 22:22792 (BNL-12319)
Preliminary cost estimate for the radiation-induced plastic impregnation of concrete, 24:42298 (BNL-11263)
Preparation and characteristics of concrete-polymer composites, 24:16547 (BNL-14350)
Production test irradiation of 30,000 pounds of bacon, 21:208 (BNL-10652)
Radiation Division, 24:44027 (BNL-50205, pp 50-77)
Radiation division, 22:37775 (BNL-50082, pp 40-78)
Radiation division, 23:40676 (BNL-50149, pp 40-75)
Radiation treatment of acid mine drainage, 22:30710
Removal of iron from acid mine drainage waste with aid of high energy radiation. II, 23:9416 (BNL-12114)
Removal of iron from acid mine with aid of high energy radiation. III, 23:9417 (BNL-12115)
Removal of iron from mine drainage waste with the aid of high-energy radiation, 21:36075 (BNL-11576)
Review of industrial radiation chemistry in U.S, 21:40878 (BNL-11294)
Review of industrial radiation chemistry in the US, 22:8153
Safety review of Brookhaven Chemonuclear In-Pile Research Loop, 23:7394 (BNL-13001)
Simultaneous use of isotope ratio tracer and sulphur hexafluoride as a dual-tracer system for sulphur oxides in the atmosphere, 25:32086
Western coal deposits: a national source of power, 24:25148 (BNL-50187)
MANOWITZ, Bernard Chemical and food applications of radiation, 23:26464
Elements of gamma irradiator design, 22:8676
Gamma rays for fun and profit, 22:12534 (BNL-50084)
Irradiation of 30,000 pounds of bacon, 23:26981
Light-water-moderated breeder, 21:38575
Purification of mine drainage water by a radiolytically induced chain process, 21:21964 (BNL-11220)
Radiation-induced ethylene polymerization program, 23:26280
Status of gamma irradiation design, 23:26466
MANQUENE, J. Occupational medical examinations and ionizing radiations, 23:50564
MANRI, Teruo Determination of chlorine and bromine in plant by activation analysis, 24:31273
Determination of chlorobiphenyl in rat adipose tissue by neutron activation analysis, 25:54500
Determination of Cu, As, and Hg in cigarettes by neutron activation, 24:33655
Determination of Cu, As, and Hg in plant by activation analysis, 24:31272
Production of ^{11}C and ^{7}Be, 23:43345
MANSARD Control-command of high power nuclear power plants cooled with carbon dioxide, 21:15680
MANSARD, B. Prevention and fighting of fires in very-high-activity cells, 24:20966 (CEA-CONF-1428)
MANSARD, Bernard Apparatus for dissolution of NaK, 24:23453 (CEA-N-1178)
Container closure system, 23:601
Device for polishing specimens, 22:12518
Thermal conductivity installation for irradiated solids, 24:41637 (CEA-N-1303)
MANSBACH, Peter Binary formation by three-body collisions, 24:23609
Monte Carlo trajectory calculations of atomic excitation and ionization by thermal electrons, 23:46278
MANSBACH, Peter Allen Deser—Laurent theory of gravitation and other topics, 25:59585
MANSEL, W. Debye—Waller factor of Au in Pt after low-temperature neutron irradiation, 24:45368
MANSELL, A. L. Reactions of the hydrated electron in the photochemistry of aqueous sulphate and bisulphate ions, 21:40898
MANSEY, R. C. Atomic diameter of the rare-earth metals in solid solutions, 22:4804
Rare-earth intermediate phases. V, 22:23822
Rare-earth intermediate phases. VI, 22:23821
MANSFELD, A. Study of natural radionuclides in waste and surface waters, 25:54774
MANSFIELD, C. M. Three dimensional dose distribution measurements in head and neck using LiF, 23:7870 (CONF-680920-, pp 990-9)
MANSFIELD, Carl Anatomic localization in isotope photoscans. The radiophotoscan, 24:36786
MANSFIELD, Carl M. Congenital communicating hydrocephalus with elevation of the transverse and confluent sinuses. Case report, 24:32090
Influence of treatment on the survival of patients with hepatic metastases diagnosed by liver scanning, 24:48616
Liver scanning in patients with suspected or proven cancer, 24:21224
Prognosis in patients with metastatic liver disease, 23:45822
Three-dimensional dose distribution in ^{60}Co teletherapy, 24:4625
Use of lead shielding of the tongue and adjacent glandular structures in vertex scanning, 25:46925
MANSFIELD, J. E. Application of Veneziano model in reaction $\pi^+d \rightarrow d\pi^+\pi^-\pi^+$ at 5.4 GeV/c, 24:6689 (COO-427-97)
Application of Veneziano model in reaction $\pi^+d \rightarrow d\pi^+\pi^-\pi^+$ at 5.4 GeV/c, 24:12954
MANSFIELD, J. M. Jr. Preparation and operation of electrodeless discharge lamps in atomic fluorescence flame spectrometry, 22:44992
MANSFIELD, M. W. D. Absorption spectrum of Na I in the vacuum ultraviolet, 25:24806
MANSFIELD, P. High-resolution NMR in solids, 24:51858
NMR resolution of chemical shift in solids, 22:3187
NMR spin dynamics in solids. I, 22:22238
MANSFIELD, V. N. Radiation from a charged particle spiraling in a cold magnetoplasma, 21:16749
MANSFIELD, Victor Optical and radio measurements of HII regions, 23:18337
MANSFIELD, W. K. Application of pulsed neutron technique to calibration of control rods of Queen Mary Coll. (double-core) reactor, 22:27474
Measurement of angular neutron spectra in U—H_2O lattices, 23:37620
Thermal neutron spectra in U—H_2O lattices, 22:22834
MANSFORD, K. R. L. Computerised scanner for bidimensional radiochromatograms, 25:15911
MANSHILINA, A. A. Determination of coupling factors of neutron component of cosmic rays on basis of data obtained on board the schooner "Zarya", 22:11245
MANSIKKA, K. Calculation of elastic constants of NaF. II, 21:46401 (UUIP-537)
Cohesive energy and elastic constants of MgO with partially scaled wave functions, 22:48158 (UUIP-584)
MANSIUS, C. A. Activation and shielding of FTR sodium, 24:31095 (BNWL-1339)
Revised photon probability library for use with ISOSHLD-III, 23:32548 (BNWL-236(Suppl.2))
MANSKE, Kenneth J. Cerium—oxygen—nitrogen system, 21:14176 (COO-716-026)
MANSKE, Kenneth James Cerium—oxygen—nitrogen system, 24:17384
MANSON, A. H. Capability of high-power wave interaction facility, 23:5315
Mesospheric electron number densities at 35°S latitude, 21:13446
Minor constituents in mesosphere and lower thermosphere during periods of anomalous absorption, 25:35984
Particle influx and midlatitude nightime E region at solar minimum, 25:27601
Particle influx and winter anomaly in midlatitude lower ionosphere, 24:37332
Radiowave absorption at an auroral latitude, 24:23863
Seasonal variation of electron densities below 100 km at midlatitudes. IV, 25:27512
Seasonal variations of electron densities below 100 km at midlatitudes. II, 23:27495
Seasonal variations of electron densities below 100 km at midlatitudes. I, 23:27494
Seasonal variations of electron densities below 100 km at midlatitudes. III, 24:35274
MANSON, Alan H. Coupling effects between ionosphere and stratosphere in Canada, 22:24176
Inherent limitation of the wave interaction experiment, 21:18520
Solar corpuscular radiation in Antarctic, 23:44213
MANSON, D. J. Artifical injection of electrons into the geomagnetic field by Teak and Orange, low-altitude bursts of 1958, 24:47138
Flame temperature measurement using W/W—26 percent Re thermocouples to correct optical pyrometer readings, 21:9160
MANSON, Donald J. Unidirectional and omnidirectional flux densities of trapped particles from Explorer 4 satellite data, 21:43941
MANSON, Donald Joseph Van Allen radiation belt and Argus directional flux density distributions, 22:29382
MANSON, J. E. Computer evaluation of irradiation processes in cylindrical containers with gamma sources, 25:49201
Theoretical evaluation of combined irradiation and thermal processes in cylindrical containers with gamma sources, 25:49324
MANSON, James E. Instrumental recalibration and refinement of solar ultrasoft x-ray intensities, 22:49901
Spectrum of the quiet sun between 30 and 128 A for November 1965, 21:16776
MANSON, N. Ocular hazard of CW lasers, 25:2591
Thermodynamic characteristics of mixed-gas plasmas, 23:23145
MANSON, Numa Comparison of spectroscopic methods for determination of local temperatures in a nitrogen plasma jet, 22:34601
Determination, by measurement of the electric conductivity, of mean temperature of laminar jet of N plasma, 22:36896
MANSON, R. Inductance of circuits containing a superconducting plate, 23:39398
Inelastic surface scattering of nonpenetrating particles, 25:30659
Scattering of atoms by solid surfaces. I, 24:23735
Theory of surface scattering and detection of surface phonons, 23:16897
MANSON, R. E. NRX reactor: general description, 21:32004 (AECL-2692)
MANSON, S. T. Autoionization rates of N^{4+} and O^{5+} in (1s, 2s, 2p)^{4}P/sub 5/2/ state, 21:2062
Ionization of L-shell of Al by fast charged particles, 25:35880
MANSON, S. V. Alkali metal Rankine technology program, 23:6033
Some NASA missions employing radioisotope heat sources, 24:31529

MANSON, Steven Trent Dependence of the phase shift on energy and atomic number for electron scattering by atomic fields, 23:27385
  Minima in atomic continuum generalized oscillator strengths, 25:19476
  Photoionization in the soft x-ray range: Z dependence in a central-potential model, 22:9052
  Structure of (1S) (2S) (2P) ^{4}P state in ^{6}Li and ^{7}Li, 21:6982 (TID-22398)
  Theoretical considerations for auto-ionizing states with microsecond lifetimes, 25:11692
MANSOUR, H. M. Effect of form factors on high-energy neutrino reactions, 25:36460
MANSOUR, M. M. Development of placental discrimination among homologous elements, 24:4548 (CONF-690501-7)
MANSOUR, N. A. Angular correlation measurements in the ^{53}Cr(p,nγ)^{53}Mn reaction, 21:42579
  Inelastic scattering and radiative capture of protons by ^{50}Cr and ^{54}Cr, 21:21484
  Reactions ^{53}Cr(p,p'γ)^{53}Cr and ^{53}Cr(p,nγ)^{53}Mn, 22:13967
MANSOUR, V. H. Photoreactivation of uv light-induced inhibition of DNA synthesis in tobacco cells grown in vitro, 24:11965
  Response of tobacco and Haplopappus cells to ultraviolet irradiation, 23:6395
MANSOUR, Virginia H. Photoreactivation of uv light-induced pyrimidine dimers in Ginkgo cells, 23:22202
MANSOURI, F. Orbital-excitation model for hadrons, 25:33705
  Space—time description of hadrons. II, 24:26420
  Space—time descriptions of hadrons. I, 24:26421
  Space-time description of hadrons, 23:34576 (NYO-4067-2)
  Space-time description of hadrons, 23:34575 (NYO-4067-1)
MANSPEIZER, S. Skeletal cell proliferative rates, 22:38208
MANSROUL, M. Parameters A and R in π^{+-}—p scattering at 5 to 18 GeV/c, 23:23375
MANSSON, R. Internal refuelling machine for BHWR reactors, 23:28409
MANSSON, Ragnar Fuel assembly for nuclear reactors, 22:30395
MANSTEIN, B. Protection against radioactive contamination, 21:16352
  Risk involved with nuclear energy, 21:16351
MANSTEIN, Bodo Atomic hazards and population protection, 21:12890
MANSUR, L. Results of SEFOR experiments at zero power, 24:33266
  Results of sefor zero power experiments, 24:29049 (GEAP-13588)
MANSUR, L. C. Lattice vibrational spectra and physical characteristics of metals with cubic structure, 25:36319
MANSUR, N. A. Mechanism of reaction ^{52}Cr(p,γ)^{53}Mn, 24:8866
  Study of 1290 keV level decay of ^{53}Mn nucleus, 23:46969
MANSUROV, A. R. Effect of cystamine in healthy and irradiated rats, 24:25503
MANSUROV, P. Kh. Influence of gamma-radiation on the properties of furan cationic exchange resins, 25:51485
MANSUROV, S. M. Direction of the ionospheric current in the polar region, 25:16995
  Relationship between magnetic fields in space and on Earth, 24:21662
  Relationship between magnetic fields of space and of Earth, 25:55988
  Relationship between solar-wind velocity and geomagnetic activity, 24:21677
MANSUROV, V. N. Possible relativistic generalization of Feynman's approach to quantum mechanics, 25:17348
MANSUROVA, A. R. Negative influence of radiation-protective preparations on the motor-evacuatory functioning of the gastrointestinal tract, 21:16374 (JPRS-38272, pp 296-7)
MANSUROVA, L. G. Direction of the ionospheric current in the polar region, 25:16995
  Relationship between magnetic fields of space and of Earth, 25:55988
  Relationship between solar-wind velocity and geomagnetic activity, 24:21677
MANSUROVA, V. V. Effect of the physiological characteristics of polyploid seeds on frequency of radiation-induced chromosomal aberrations, 22:21489
MANTAI, K. E. Studies on the effects of ultraviolet irradiation on photosynthesis and on the 520 nm light-dark difference spectra in green algae and isolated chloroplasts, 21:30781
MANTAKA, A. E. Radical yield in γ-irradiated D_2O solutions of Fremy's salt, 24:46266
MANTAKA, Anastasia Radiolysis of Fremy's salt, 23:231
  Radiolysis of mixture Fe^{2+}—Fe^{3+}—O_2—Cu^{2+} in aqueous and sulfuric acid solution, 22:51022
MANTAKAS, Ch. Digital word generator, 23:2722
  Integrated circuit solution for amelioration of signal-to-noise ratio application in boron lined chambers operating as pulse chambers, 23:2592
  Method for improvement of signal/noise agreement for fission chambers operating as pulse chambers, 22:19108
  Special purpose discriminator for delayed neutron spectrum measurements, 21:16248
MANTAS, G. P. Thermal structure of the temperate-latitude ionosphere, 22:24179
MANTE, Alexander J. H. Fast breeder development program of Consortium SNR, 25:54027 (A/CONF.49/P-369)
MANTE, Carl M. Photoscan reversal, 23:33778
MANTEGA, M. Reprocessing of enriched uranium alloys, 24:44063 (CEA-N-1292, pp 139-59)
  Treatment of alloys based on enriched U: results of the operation of the ATTILA facility, 23:13805 (ANL-Trans-705)
  Treatment of enriched uranium alloys, 23:13816 (CEA-CONF-1193)
  Treatment of enriched uranium alloys, 23:13817 (CEA-CONF-1194)
MANTEGAZZA, P. Methods in drug evaluation, 21:24532
MANTEI, T. Acoustic-wave generation by temperature modulation of a plasma, 23:25404
MANTEI, T. D. Interpretation of ionospheric resonances stimulated by Alouette 1, 21:11518
  Observation of resonance rectification effects in a magnetoplasma, 22:1215
  Plasma capacitor in a magnetic field, 21:9545
  Resonance rectification effects in warm magnetoplasmas, 21:39985 (SU-IPR-177)
  Resonance-rectification effects in warm magnetoplasmas, 22:7292
MANTEI, Thomas Daniel Cyclotron harmonic wave phenomena, 22:39105
MANTEIFEL, V. M. Cytochemical detection of DNA injury in irradiated lymphocytes, 24:34079
  Early structural distrubances of nucleoproteins in radiosensitive and radioresistant cells exposed to ionizing radiation, 25:35206
  Fluorescence of lymphocytes following x-ray irradiation of rats, 24:32158
  Study of radiation damages in lymphocyte nuclei, 23:6392
MANTEL, Erwin Distribution of Au, Ag, Cu, Pb, and Zn in the productive Maryville stock, Montana, 25:46460
MANTEL, J. Average energy of beta spectra, 22:14111
  Data transfer system for the digital analysis of thermoluminescent spectra, 21:17897
  Documentation of fusion technology, 23:23066 (IPP-4/56)
  Precise measurement of H. F. Fields in models, 22:46120 (IPP-4/51)
  Production of ^{15}O using a relatively low energy particle accelerator with a vacuum gradient system as a window, 25:53442
  Proposed method for radium leak testing by the use of the superfluid properties of helium, 22:6814
MANTEL, Joseph Dual-probe thyroid-uptake systen. 24:2730
  Iodine-125 thyroid uptake system, 24:34338
  Large-field telecobalt therapy with moving table, 22:27963
  Trapping system for radioactive gas, 24:46402
MANTEL, M. Isotopic analysis of U by neutron activation and gamma spectrometry, 24:163
MANTEL, Mariana Neutron activation analysis of thorium, 24:11478
MANTEL, N. Statistical study of carcinogenesis, 23:29862
MANTELL, Charles L. Carbon and graphite handbook, 23:10277
MANTELLASSI, G. New technique of radium therapy in high-pressure oxygen, 23:29660
  Treatment of skin tumours with radium and hyperbaric oxygen, 23:29579
  Tumor radiotherapy using hyperbaric oxygen, 23:33788
MANTELLE, J. Setting of transducers in ultrasonic inspection tanks for canning tubes, 25:6506
MANTENIEKS, Maris A. Hot electrode drops in an unseeded supersonic argon magnetohydrodynamic generator, 25:43183 (N-71-15856)
  MHD generator cathodes emitting in a spot mode, 24:3217 (N-69-35732)
MANTERO, F. Level of basophilic granulocytes in blood during ^{131}I therapy, 24:798
MANTESCU, C. Tritium tracing of organic compounds. I, 22:42787
MANTESCU, Constanta Occurrence of 1,4-addition in the reduction of α,β-unsaturated ketosteroids with recoil tritiated lithium aluminium complex-hydrides, 21:3135
  Processes associated with the ^{6}Li(n,α)^{3}H nuclear reaction. II, 21:4585
MANT'EVA, V. L. Effect of x-ray irradiation on RNA biosynthesis in rat liver and in mouse Ehrlich ascites carcinoma, 21:22293
  Influence of ultraviolet irradiation on transcription, 24:27685
MANTEY, R. F. Radiation shield system for Enrico Fermi Atomic Power Plant, 21:44818 (APDA-203)
MANTHE, J. Contribution of host resistance to radiosensitivity of an isologous murine lymphoma in vivo, 22:40563
MANTHEY, H. Investigations of strong shock-waves, 12/66, 22:21231 (BMwF-FBK-67-68)
MANTHORPE, D. Etching facets in a Mg alloy, 23:27017
MANTHORPE, S. A. Production of voids in cobalt during ion bombardment and electron irradiation, 25:58325
MANTHOS, E. J. Performance of Sphere-Pac and pelletized $(U,Pu)O_2$, 25:32853
  Performance of Sphere-Pac and pelletized $(U,Pu)O_2$ during severe overpower transients, 25:46268 (ORNL-TM-3384)
  Postirradiation examination of failed HFIR target elements, 22:4829
  Transient performance of sol-gel $(U,Pu)O_2$ Sphere-Pac and pellet fuels, 25:6016
MANTHURUTHIL, J. C. 2+ and 4+ members of the beta and gamma vibrational bands in ^{154}Gd, 24:43355
  Analog states through reaction ^{34}S(p, γ)^{35}Cl, 22:26940
  Beta decay of ^{193}Os to levels in ^{193}Ir, 24:6940
  Beta—gamma correlations and matrix elements for some first-forbidden nonunique beta transitions, 25:56776
  Conversion electron measurements in decay of ^{156}Tb, 25:20472
  Elastic and inelastic proton scattering on ^{28}Si, 24:40597
  Evidence for a new 0^+ level in ^{154}Gd, 22:53171
  High-resolution electron and gamma-ray and conversion-coefficient measurements in ^{131}Xe, 24:24591
  Internal-conversion-electron study of decay of ^{133}Ba to ^{133}Cs, 21:38356
  Internal-conversion-electron study of the decay of ^{103}Ru, 22:14047
  Isobaric analog states in ^{35}Cl, 22:9831
  Nuclear matrix elements for the beta decay of ^{198}Au and ^{122}Sb, 22:53173
  Nuclear structure of ^{43}Sc. I, 24:10953
  Nuclear structure of ^{43}Sc. II, 24:24539
  Nuclear structure of ^{43}Sc. II, 25:45956
MANTIONE, Richard Preparation of allenic diethers, 23:17408
MANTLE, P. L. Effect of heat source boundary conditions on temperature distributions in transverse and helically ribbed AGR fuel pins, 25:39253 (RD/B/N-1932)
  New type of roughened heat transfer surface selected by flow visualization techniques, 21:43142
MANTLE, Paul Langford Improvements in or relating to fuel element assemblies for nuclear reactors, 25:25990
MANTLER, F. Activation perturbation of activation probes on the basis of the experimental albedo, 22:6178
MANTLIK, F. Thermokinetics of the fuel element casette of the fast reactor, 25:12801
MANTLIK, Frantisek Contribution to the design parameters of power station with reactor DOR, 21:34126
MANTON, W. I. Some Pb and Sr isotopic measurements on eclogites, 25:20910
MANTOVANI, E. Far-infrared and electronic spectra of some bis-ethylenediamine and related complexes of copper(II) and the relevance of these data to tetragonal distortion and bond strengths, 25:26232
MANTOVANI, G. C. Diffusion cloud chamber for an investigation of photoreactions on ^{3}He, 22:2359
  Double pion photoproduction on protons below 1 GeV, 22:46316
  Photodisintegration and photoproduction in ^{3}He with a diffusion chamber, 23:46592 (LNF-68/73)
  Reaction $\gamma + p \rightarrow p + \pi^+ + \pi^-$ up to 1 GeV, 23:49035
  Single and double pion photoproduction on ^{3}He, 23:8721
  Total and differential cross-sections of negative-pion photoproduction off neutrons up to 1 GeV, 24:35597
  Total cross-sections of $\pi^+\pi^-$ and $\pi^-\pi^0$ photoproduction on neutron in deuterium bubble chamber up to 900 MeV, 24:24218
  Two π^0 photoproduction in H. I, 23:25726 (LNF-68/70)
MANTRI, A. N. Role of j^2 in Nilsson model Hamiltonian, 25:50867
MANTSA, I. Multichannel high-speed semiconductor devices for experiments in physics using 10 GeV synchrophasotron, 21:6293
MANTSCH, P. Three body decays of neutral K mesons, 24:40240 (COO-1195-187)
MANTSCH, P. M. Determination of the photoproduction phase of phi mesons, 25:47706 (DESY-71/26)
  Search for decay K/sub S/^{0} $\rightarrow$ $\mu^+\mu^-$, 23:18794
  Search for decay K/sub S/^{0} $\rightarrow$ $\pi^+\pi^-\pi^0$, 25:25291 (COO-1195-209)
  Test of $\Delta S = \Delta Q$ selection rule in K/sub μ 3/^{0} decay, 25:25290 (COO-1195-208)
  Test of $\Delta S = \Delta Q$ selection rule in K/sub 3/^{0} decay, 25:25292 (COO-1195-210)
MANTSCH, Paul Matthew Test of $\Delta S = \Delta Q$ selection rule in K/sub e3/^{0} decay, 25:45783
  Test of the $\Delta S = \Delta Q$ selection rule in K/sub e3/^{0} decay, 25:1383 (COO-1195-195)
MANTSEVA, V. Attenuation by concrete of neutron flux emitted at 90 deg to the direction of primary proton beam of 10 GeV synchrophasotron, 21:3908 (JINR-P9-2933)
MANTSYGIN, Yu. A. Chromosome aberrations and radiation-induced death of somatic mammalian cells, 25:16096
  Frequency and type of chromosomal damages induced by uv, 21:18024
  Radiation effects on synchronized chinese hamster cells, 24:17141
  Radiation-induced lethality of Chinese hamster cells, 24:21271
MANTURO, N. A. Vulnerability of the retinal membrane of the eye to x rays, 21:6663
MANTZ, A. W. Infrared bands of $H^{12}C^{15}N$, $D^{12}C^{15}N$, and $H^{13}C^{15}N$, 25:57421
MANTZ, J. M. Prog. rpt. on treatment of radiation injuries, 10/64—4/65, 21:4814 (EUR-2477.f(Vol.2))
  Prog. rpt. on treatment of radiation injuries, 4—10/65, 21:4815 (EUR-2477.f(Vol.3))
MANTZOS, J. Structure and metabolism of non-haemoglobin Fe-bearing component of thalassaemic red cells, 24:29630
MANTZOS, J. D. Chemical determination of serum inorganic iodine, 23:31294
MANTZOS, John D. Effect of ionizing irradiation on oxidation of palmitate-1-^{14}C by thymus and liver, 23:6394
  Effect of ionizing irradiation on the lipid biosynthesis by thymus and liver, 22:51473
MANUCEAU, Jerome Quasi-free states, 22:24036
MANUEL, J. Enhancement of photomultiplier sensitivity by an optical method, 23:38359
MANUEL, O. K. Decay of ^{84}Rb by electron capture, 22:13982
  Iodine abundances in deep-sea sediments, 22:21223
  Iodine and uranium in ultrabasic rocks and carbonatites, 22:42887
  Isotopic anomalies of Kr and Xe in Canyon Diablo graphite, 21:32269
  Mass fractionation and isotope anomalies in neon and xenon, 24:48918
  Noble gases in the Fayetteville meteorite, 22:13205
  Origin of noble gas anomalies in Canyon Diablo graphite, 22:8975
  Xenon and krypton from spontaneous fission of ^{252}Cf, 23:31037
  Xenon in chondrules and matrix material of chondrites, 23:13662
  Xenon in natural gases, 24:33784
  Xenon-134 from decay of ^{134}Cs, 23:7309

MANUEL, T. J. Experimental initial conversion and fast fission ratios for clusters of natural U and UO_2 in D_2O, 21:19455 (AECL-2636)
MANUILOV, V. G. Equations for transition processes superconducting solenoids, 21:37402
Optimization of a magnetic radiation shield, 22:5406
MANUILOVA, E. S. Radioprotective action of thiols on human cells in a tissue culture, 22:21555
MANUKHIN, A. V. Kinetics of the interaction of zirconium dioxide with carbon at high temperatures, 23:51130
MANUKHIN, K. V. Interaction of zirconium dioxide with carbon, 25:6901
MANUKYAN, L. A. Effect of direct current on level of nucleoproteids, glycogens, and fat in survived irradiated rats, 23:9878
MANUKYAN, M. A. Effect of insulin upon course and outcome of alloxan diabetes in irradiated animals, 23:10077
Experimental study of preliminary x irradiation effect on course of alloxan diabetes, 23:10076
MANULA, Milan Compression of heavy hydrogen isotopes, 23:2264
MANUNTA, Giovanni Elimination of ^{131}I in milk of sheep, 22:10702
Iodine-131 in thyroid and blood and its elimination in milk of sheep, 22:10701
Mammary insufflation and passage of radioactive calcium from the milk to blood, 21:10758
MANUS, C. Neutralization of space charge in an ion beam by injection of thermionic electrons, 22:41301
Physics of beams of synthetic plasmas, 21:13600 (AGARD-CP-8(Vol.1), pp 215-78)
Synthesized plasma beams and electrostatic instabilities, 21:35193 (CONF-670104-Pt.2, pp 491-509)
MANUS, Claude Calculation of characteristics of Cs plasma during thermodynamic equilibrium, 21:46340
Electron—ion recombination coefficient in He, 24:23963
Stability of a synthesis plasma, 22:44193
Study of a synthesized plasma, 23:36686
Study of the inelastic interactions between two ion beams, 21:28969
Theoretical study of a cesium plasma in equilibrium, 21:42097
MANUSHEV, D. Moessbauer spectrometer for express analysis, 25:29361
MANUTA, G. Contamination of milk, 24:17039
MANUZIO, Caterina Diagrams for the determination of the risk of failure of structures, 25:28872 (ORNL-tr-2133)
MANUZIO, G. 500-MeV linac-powered race-track microtron, 24:52349
Direct high-energy photoprotons from ^{12}C, 22:53120
Fast electronics for a scintillation counter telescope, 23:29177
High-energy photoprotons from ^{12}C, 23:46919
Stability conditions for the spatial focusing in a racetrack microtron, 25:33930
MANVELIDZE, I. V. Effect of neutron irradiation on the magnetic characteristics of ferromagnetic materials, 22:44269
MANVELYAN, K. R. Effect of direct current on level of nucleoproteids, glycogens, and fat in survived irradiated rats, 23:9878
Some changes in the liver of irradiated mice, 23:10088
MANVELYAN, M. G. Isotope exchange between $Na_2SiO_3.9H_2O$ and sodium metasilicate. I, 23:40665
MANWEILER, J. Double charge exchange in π^+—helium scattering, 22:32067
MANWEILER, J. E. Pi^+—^{4}He elastic scattering at 610 MeV/c, 22:22325
Single- and double-pion production in proton—antiproton nonannihilations at 2.2 GeV/c, 25:56487
Spin correlations in anti pp $\rightarrow$ anti ΛΛ at 2.19 GeV/c, 24:12935
MANWEILER, R. Isovector asymmetry in rho-production, pion photo- and electroproduction, 25:5326
MANWEILER, R. W. Pion electroproduction, rho production by pions, and vector-meson dominance, 25:38699
MANWELL, Tom Spectral density of possibility random fluctuations of 3C 273, 21:9280
MANY, Amira Drug-induced immunologic tolerance: site of action of cyclophosphamide, 24:27551
Immunological tolerance in cyclophosphamide-treated mice, 24:41779
MANY, P. Pretibial myxedema three years after treatment of hyperthyroidism by ^{131}I, 23:38827
MANYASHIN, Yu. A. Amino-acid exchange products excreted with urine in persons exposed to vibration and uhf waves, 22:25970
MANYCH, A. P. Effect of ultrasonic vibrations on particle tracks in liquid-H_2 bubble chamber, 24:21016
Effect of ultrasound on formation of ionizing particle tracks in liquid-hydrogen bubble chamber, 24:7649 (JINR-P13-4702)
Effect of ultrasound on formation of ionizing-particle tracks in a liquid-hydrogen bubble chamber, 24:14302 (SLAC-Trans-110)
Effect of ultrasound on the formation of the tracks of ionizing particles in a liquid-hydrogen bubble chamber, 24:36620
The influence of ultrasound on the formation of high-energy particle tracts in liquid hydrogen bubble chamber, 24:5932
MANYKO, Victor M. Inactivation of stem cells after transplantation, 23:33846
MANYUKOV, B. A. Computation of kinematic parameters of electron tracks in bubble chambers, 25:18784
Distribution of random displacement of track points due to Coulomb multiple scattering, 25:8559
Multiple scattering matrix with energy losses, 24:28624
MANZ, A. Hyperon bubble chamber HYBUC, 25:34972 (CONF-700623-(Vol.2), pp 640-6)
MANZ, Bruno Doppler shift in a plasma, 22:5347
MANZ, J. Tensor force addition to the modified surface-delta interaction, 24:18447
MANZATU, I. State Committee for Nuclear Energy of Socialist Republic of Romania and its activities in field of international cooperation, 25:54324 (A/CONF.49/P-341)
MANZATU, Ion Polarization and orientation in nuclear physics. I, 24:22223
MANZEL, R. Dimensional and physical property changes of graphites, pyrocarbons, and fuel bodies, 25:55651
MANZELLI, P. Infrared spectrum in polarized light of CH_2Br_2 and CD_2Br_2, 23:7543
Infrared spectrum of crystalline CH_2Cl_2 and CD_2Cl_2, 24:27090
Infrared spectrum of crystalline CH_2Cl_2 and CD_2Cl_2, 25:23578
MANZHURNET, K. V. Stability of refractory compounds in fused basalt, 21:18332
MANZKE, E. Late irradiation damages in retromandibular region, 25:52243
MANZO, D. Logarithmic and period amplifier for automatic control of nuclear installations, 22:21386 (RT/EL-(67)12)
MANZONI, A. Osteocartilagenous exostoses resulting from irradiation, 22:31244
MANZONI, G. C. Heat transfer crisis with steam—water mixtures, 24:2376 (CISE-R-169)
MANZONI, S. Relations between radiodermatitis and pain, 21:18146
MANZYUK, N. A. Current heating in dense plasma, 24:19871
Effectiveness of current heating in a dense high-current gas discharge plasma, 24:40036 (KHFTI-69/43)
Neutron measurements of the efficiency of current turbulent heating of ions and of the confinement of a hot high-density plasma in a magnetic mirror trap, 25:38347 (CONF-710607-55)
MANZYUK, V. T. Mutation of spring barley hybrids induced by gamma rays, 24:48516
MAO, Chihwen Impurity diffusion in cadmium, 25:52358
MAO, G. W. Microstructure of lead-base alloys, 23:27119
MAOR, U. Data compilation of baryon—baryon interactions. I, 22:37075 (NP-17500)
Data compilation of baryon—baryon interactions. II, 22:44320 (NP-17578)
Data compilation of baryon—baryon interactions. II, 22:52983
Data compilation of baryon—baryon interactions. III, 23:32617
Data compilation on baryon—baryon interactions. I, 22:24538
Investigation of pion trajectory in Regge-pole model, 22:26657
Kinematical singularities and zeros for the reaction $\gamma N \rightarrow VN$, 22:44356
Photoproduction of vector mesons in a Regge-pole model, 24:12972
π—B exchange-degenerate model for $V^0\Delta^{++}$ production, 24:45536
Regge-pole fit of the reaction $K^+ + p \rightarrow K^0 + \Delta^{++}(1238)$, 22:3428
Regge-pole parameters for reaction $\pi^+ + p \rightarrow \pi^0 + \Delta^{++}(1238)$, 21:40226
Rho + R Regge-pole model for isobar production, 24:3672
rho-meson mass shift in photoproduction processes, 25:3326
MAOR, Uri Constraints on decay distributions of resonances derived from simple Regge-pole model, 24:52054
Mass dependent phenomena and s-channel helicity conservation in photoproduction of rho mesons, 25:17485
Modified background calculations for high-energy peripheral interactions, 21:18978
Photoproduction at high energies, 25:3315
MAPES, R. S. Analytical chemistry. IX, 23:21632
MAPLE, B. J. Standard relay modules for safety and control circuits, 21:2897 (TRG-Report-933(Pt.2))
MAPLE, C. G. Mathematics and Computer Division, 25:17326 (IS-2300, pp 90-100)
Mathematics and computer science division, 21:42846 (IS-1600, Paper 4)
Mathematics and computer science division, 23:2156 (IS-1900, Paper 4)
MAPLE, J. H. C. Trapping of hydrogen ions in molybdenum, titanium, tantalum, and zirconium, 22:1005
MAPLE, M. B. Dependence of s—f exchange on atomic number in rare earth dialuminides, 25:11836
Effect of nonmagnetic 4f resonances on superconducting transition temperature: ThCe alloys, 25:17113
Effect of pressure on transition temperature of La—Ce—Al, 23:25266
Kondo effect in La/sub 1-x/Ce/sub x/ alloys under pressure, 25:11990
Low-temperature electrical resistivity of YCe under pressure, 25:59195
Magnetic susceptibility of cerium metal under pressure, 25:12018
Magnetic—nonmagnetic transitions in alloys with cerium impurities, 25:52960
Pair-breaking parameter of superconductors with Ce impurities, 24:35339
Pressure-dependent pair breaking in superconducting La/sub 3-x/Ce/sub x/ in alloys, 23:39405
Pressure-induced magnetic—nonmagnetic transition of Ce impurities in La, 24:6488
Superconducting manometers for high-pressure measurement at low temperature, 23:20861
Superconducting transition temperature of La/sub 1-x/Gd/sub x/Al_2, 22:26342
Superconducting—normal phase boundary of superconductors containing nearly nonmagnetic impurities, 25:14159
Superconductivity and normal-state properties of Th—U alloys, 25:9389
Superconductivity of α-phase U—Mo alloys at zero and high pressures, 23:10591
Superconductivity of phase $CeCo_2$ at zero and high pressure, 22:50096
MAPLE, Merrill Brian Superconductivity and magnetism of lanthanum—rare earth dialuminides, 24:15225
MAPLES, C. Nuclear reaction Q-values, 21:2601 (UCRL-16964)
MAPLES, Creve Nuclear reaction Q-values, 21:46824
MAPLES, Creve C. Observation of lowest p-shell T = 3/2 states of ^{11}B and ^{11}C, 23:15358
Reactions ^{15}N(p,t)^{13}N and ^{15}N(p,^{3}He)^{13}C and the spectroscopy of levels in mass 13, 22:20494
MAPLETON, R. A. Asymptotic form electron capture cross section in second Born approximation, 21:43807
Born estimates for capture from N, O, and Ar by protons, 22:29263
Calculations on capture from D(1s) and He(1s^2) by protons, 22:29262
Classical theory of electron capture, 21:20732
Cross sections for electron capture by protons, 22:52482
Electron capture from D, He, N, O, and Ar by protons, 22:43943
MAPLETON, Robert A. Classical calculations on electron capture from atomic nitrogen and oxygen, 22:5075
Electron capture from vaporized sodium, magnesium, and aluminum, 24:8352
MAPOTHER, D. E. Critical field of superconducting Al as a function of pressure and temperature above 0.3°K, 22:11382
Superconductivity of dilute indium—thallium alloys, 25:1123
MAPP, J. Determination of anti KNY$_1$* coupling constant, 24:24254
Direct experimental estimate of low energy parameters for πΛ scattering, 25:45680
Evidence for a Λπ enhancement near anti KN threshold, 23:1598
Experimental evidence for $Y^*_0(1520) \rightarrow Y^*_1(1385) + \pi$ and configuration mixing, 23:49048
Interaction Λp near ΣN threshold, 22:34845
Kaonic disintegration of deuteron near 400 MeV/c, 22:34862
Study of anti KN $\rightarrow$ Yπ below anti KN threshold and the dynamical nature of the $Y_0^*(1405)$, 25:40888
Y—N and Y—Y interactions using final-state interactions, 24:47460 (CONF-690557-(Vol.1), pp 92-158)
Yπ partial wave amplitudes below anti KN threshold using anti KD reactions, 25:25321
MAPPER, D. Application of sealed-tube neutron generator to determination of Cu and Si in Al alloys, 22:9757 (AERE-R-5616)
Distribution of some trace elements in iron meteorites, as determined by neutron activation, 21:25801
Distribution of trace elements in iron meteorites by neutron activation, 22:3 (AERE-R-5254)
Elemental composition of lunar surface material, 24:20735
Use of digital computers in activation analysis systems, 24:77
MAQUEDA, E. N—N interaction matrix elements from phase shifts and the Jost, 25:36853
Parity impurities due to a static PNC potential, 21:5581
Parity impurities in ^{19}F, 21:5497
Reaction (d,^{6}Li), 25:43987
T = 1 pairing Hamiltonian, 25:3758
MAQUEDA, Ernesto E. Exact calculations in the d-s nuclear shell, 21:4366
MAQUET, Alfred Two-photon radiative transitions between two bound states of H atom, 25:47329
MAR, Brian W. Predictions and observations for space flight, 21:9467
MAR, Jerry Comparison of electron—proton and positron—proton elastic scattering at four-momentum transfers up to 5.0 (GeV/c)^2, 22:44302
Electron—proton and positron—proton elastic scattering at four-momentum transfers up to 5.0 (GeV/c)^2, 24:32955
MARABINI, A. Angioscintiphotography, 25:29587
Lung scanning with /sup 113m/In-labeled Fe $(OH)_3$ aggregates, 23:50672
Lung scintiphotography with /sup 113m/In $Fe(OH)_3$ aggregates, 25:8721
Use of radiostrontium in scintigraphy of Paget's osteodystrophy, 23:31838
MARABINI, Alberto Scintiphotography with gamma-camera in the diagnosis of endocranial lesions, 23:33760
MARABLE, J. H. Interference effects of ^{232}Th—^{233}Pa absorption resonances in homogeneous systems, 25:5958
Observation on the material bucklings of the multigroup diffusion equations, 25:41598
Study of the three-body problem in quantum mechanics, 22:3221 (ORNL-TM-2008)
MARABLE, James Holley Three-body problem in quantum mechanics, 22:34820
MARACCI, G. Absolute neutron flux determination by a back-to-back fission chamber and activation detectors, 22:28105
Activation techniques in the measurement of the ^{235}U content in depleted U, 21:2993
Correction for the radial dependence of the gamma counter efficiency in fast fission ratio measurements, 22:10565
Fast fission ratios in natural uranium cluster heavy water lattices, 22:14269
Influence of the void on spectral indices and fast fission ratio in heavy water lattices, 23:31208
Lanthanum-140 fission product yield in ^{238}U, 25:39033
Measure of the factor of fast fission epsilon in a D_2O uranium lattice, 25:12817 (EUR-4326)
Measurement of fast reactor type neutron spectra, 25:13226
Measurements of fast fission ratio in natural uranium carbide heavy water lattices, 22:37551
Single rod fine distribution of the fast fission ratio, 23:28569

- MARADUDIN, A. A. Inelastic scattering of light by charge density fluctuations in a superconductor, 23:44360
  - Model potential calculation of Raman tensor for Be, Mg, and Zn, 25:9598
  - Phonon dispersion relations for beryllium metal, 21:16965
- MARAFANTE, E. Arylsulfatase activity in the urine of the irradiated rat, 25:18905
  - Metabolism of p-nitrophenol in whole-body irradiated rats, 25:42289
- MARAFUSCHI, Ana Maria Application of reversed-phase column chromatography to the determination of tungsten in stainless steels by activation analysis, 21:38919
  - Determination of alumina in sintered Al powder by activation with 14-MeV neutrons, 24:36192
  - Determination of Mn in Zr alloys by activation analysis, 23:76
- MARAIN, K. J. $K^- p \rightarrow K^+ \Xi^-$ process in the two-meson-exchange peripheral model, 25:41006
- MARAINI, G. Retinal metabolism and ionizing radiation. II, 21:11038
  - Retinal metabolism and ionizing radiation. I, 21:11037
- MARAIS, Andre Magnetic after-effect in irradiated ferrites, 24:37544
- MARAIS, Bernard Calculation of atomic cross sections of solid elements, 24:48986
- MARAIS, P. G. Calculation of instantaneous counting rates in the measurement of short-lived isotopes, 21:8501
  - Checking performance of nucleonic apparatus with short-lived isotopes, 21:10665
  - Correction factors for converting mean to instantaneous counting rates in the measurement of short-lived isotopes, 21:6262
  - Half-life of ^{132}I, 21:10016
  - Radiometric assay of short-lived isotopes, 22:48828
  - Resolving time determination of Geiger—Mueller counters with /sup 137m/Ba, 21:8584
- MARAKUEVA, N. A. Study of radiation resistance of BeO at 100°C, 22:41662
- MARAL, G. Energy characteristics of daily electron precipitations inside auroral zone, 24:45139
  - Motions associated with auroral zone electron precipitation, 24:26087
  - Recent results on study of auroral x rays, 23:46372
- MARAL, Gerard Evidence of monoenergetic beams during precipitation of auroral electrons, 23:30410
  - Relation between dawn chorus emission and precipitation of electrons, 24:17776
  - Shape and displacement of nighttime precipitation of auroral electrons, 23:23006
- MARAL, Zh. Studies of the auroral x radiation at conjugate points Kerguelen—Archangel, 25:30395
- MARAMAN, W. J. Pre $\alpha \rightarrow \beta$ transformation in high purity plutonium, 23:22572
  - Preparation of a Pu—0.4 wt. percent Tm alloy on a multikilogram scale, 21:11198 (LA-3621)
  - Preparation of sound high purity Pu rods. I, 22:17085
  - Preparation of sound high purity Pu rods. II, 24:4806
  - Rapid quenching drop smasher, 21:4952 (LA-3584)
  - Studies on the U—Pu—Zr alloy system for fast breeder reactor applications, 25:6841 (LA-4512)
- MARAMAN, William J. Method for removing silica from siliceous materials, 24:41404
  - Plutonium processing at Los Alamos Scientific Lab, 23:24276 (LA-3542)
- MARAN, S. P. Observations of pulsar NP 0532, 23:14509
  - Optical counterpart for pulsar CP 1919 + 21, 22:38661
  - Pulsar data tables, 25:16684
  - Pulsar hunter: tests on NP 0532, 24:42401
  - Pulsar periods and rapid changes in the terrestrial rotation rate, 24:3068
  - Search for periodic radiation from CP 1919, 23:10364
- MARAN, Stephen P. Automated and conventional photometry of the short-period variable star 14 Aurigae, 25:30086
  - Enigmatic pulsars: facts and interpretation, 22:36594
  - Evidence for an optically thick component in the galactic radio source Sagittarius B$_2$, 25:30119
  - Gum nebula, 25:43034
  - Gum nebula: fossil Stroemgren sphere of the Vela X supernova, 25:13851
  - Optical identification of Vela pulsar, 25:7000
  - Pulsars, 22:43852
  - Rocket ultraviolet spectra of A stars, 22:41219
- MARANDAS, G. Industrial technology of the antimony—cesium photoemissive layer, 22:12215 (UCRL-Trans-10201)
- MARANDINO, G. E. Variability of linear polarization of 3C 120 and 3C 279, 23:5142
- MARANESI, P. Analysis of nonlinear feedback loops in pulse stretchers, 23:41103 (EUR-4289, pp 193-203)
  - Fast pulse amplitude-to-time converter for equivalent clock rate of some GHz, 23:751
  - Linear biased gate, 21:14504
  - Successive transformations of renewal processes through nuclear counters with dead-time, 24:23005
- MARANGELLI, B. Characteristics of magnetostrictive wire spark chambers, 23:2655
  - Optimum statistical equalization in controlled analog to digital converters, 23:41122 (EUR-4289, pp 347-8)
  - Preamplifier for magnetostriction spark chambers, 24:36617
  - Precision in spark localization in magnetostriction spark chambers, 21:28226
  - Propagation of pulses in magnetostriction spark chambers, 21:6275
  - Walk reduction in timing circuits through amplitude information, 25:48918
- MARANGIO, G. Application of an analog computer to the radiochemical determination of burn-up in highly enriched fuel elements, 22:24
  - Determination of I release in urine, 23:35052
- MARANGONI, G. Cherenkov temporal structure of EAS, 24:26364
  - Structure in Cherenkov pulses from extensive air showers, 24:17707
  - Three-stage image intensifier with magnetic focusing, 21:19987 (LNF-65/31)
- MARANGONI, M. Coupled-channel calculation of ^{28}Si photoreactions, 22:27080
  - Coupled-channel calculations of the giant dipole resonance in the one particle—one hole continuum approximation. II, 25:31286
  - Particle-hole excitations in ^{12}C and ^{40}Ca photoreactions, 21:17394
  - SURF: FORTRAN program for coupled-channel calculation of photoreaction cross-sections in one particle-one hole continuum approximation, 24:30872 (RT/FI-(69)29)
- MARANGONI, Marina Coupled-channel calculations of giant dipole resonance in one-particle-one-hole continuum approximation. I, 23:40141
  - Structure of giant resonance of ^{16}O from coupled-channel and eigenchannel methods, 23:40161
- MARANI, A. Contribution of the lymphographic examination in the study of patients submitted to surgery or radiation treatment for cancer of the uterine cervix, 22:49627
  - Use of ^{90}Sr in treatment of skin lesions, 22:51833
- MARANO, P. Association of intralymphatic radiotherapy and alkylating agents in the treatment of retroperitoneal hematosarcomas, 22:51831
- MARANO, Pasquale Implantation of radioyttrium in the therapy of hypophyseal tumors, 21:10953
- MARANO, R. T. Determination of heat of transition of Na, Rb, and Cs tetrafluoroborate, 25:51314 (NUMEC-3292-23)
  - Determination of the rhombic to cubic transition temperatures of the alkali metal tetrafluoroborates using differential thermal analysis, 24:11369 (NUMEC-3292-15)
  - Differential thermal analysis of boric acid, boric oxide, and potassium fluoborate, 25:29188
  - Recovery of ^{10}B from low concentration wastes, 24:20853 (NUMEC-3292-11)
  - Verification of elemental B crystallinity, 24:21435 (NUMEC-3292-14)
- MARANS, N. S. Molecular weight changes in irradiated polypropylene, 21:25880
  - Radiothermoluminescence of 4,4'-dimethylbenzophenone, 21:111
  - Ultraviolet and electron radiation induced addition to olefins of formamide, 21:3124
- MARANS, Nelson S. Preparation of polyoxymethylene using high energy radiation, 24:46252
- MARANS, Nelson Samuel Irradiation process for reducing the molecular weight of polyoxymethylene and thereby increasing thermal stability, 25:54611
  - Radiation polymerization of compacted trioxane, 25:21025
- MARANZANA, F. E. Kondo side bands in cerium intermetallic compounds, 25:47640
  - Kondo sidebands in CeAl$_3$ and related pseudobinary compounds, 25:17304
- MARAR, T. M. K. High-energy electron component of the cosmic radiation, 24:6385 (AD-694463)
  - Intensity and energy spectrum of energetic cosmic-ray electrons, 25:22385
  - Intensity and energy spectrum of energetic cosmic-ray electrons, 25:47350 (AD-715133)
- MARASCALCO, John Half-face planning of precancerous skin after five years, 21:12922
- MARASCHI, L. Cosmic-ray lifetime and high-energy γ rays from galaxy, 22:41389
  - Galactic gamma-ray observations and scattering of electrons on the millimeter radiation, 24:25935
  - Optical spark chamber for the search of gamma-ray sources, 25:2841 (CEA-CONF-1633)
  - X-ray flux and anisotropy produced by galactic cosmic-ray electrons, 22:17433
- MARASCHI, Laura Diffusion of electrons in Sagittarius A, 25:47236
  - Estimates of γ-ray flux from Sagittarius A, 24:46889
- MARASCHIN, R. A. Iterative procedure for fringe field shaping with laminated pole caps, 25:50496
- MARASCO, Joseph A. Jr. Application of anger gamma camera to diseases of thyroid, 21:43476
- MARASIK, A. Antiferromagnetism in UAs/sub 1 - x/Se/sub x/, 24:21893
- MARATECK, S. Determination of delta$_0^0$ and delta$_1^1$ from Chew—Low extrapolation, 23:36834 (NYO-2171-271)
  - Low mass I = 0 S-wave $\pi\pi$ phase shift, 25:59306
  - Study of $\pi\pi$ elastic scattering using Chew—Low extrapolation method, 23:5613
- MARATECK, S. L. Form factor resolution in K/sub l3/ decay, 23:42633
  - Properties of K/sub l3/ decays in π—τ center of mass system, 23:25491 (CERN-69-7, pp 257-61)
- MARATECK, Samuel L. K^+ three-body leptonic decay modes, 22:34938
  - Properties of K/sub l3/ decay in π-τ center of mass system, 23:23435 (PPAR-8)
- MARATECK, Samuel Leslie K^+ three-body leptonic decay modes, 22:24530
- MARATHE, K. B. Petrov classification of orthogonal metric spaces, 23:25700
- MARATHE, M. S. Stress concentration in prestressed concrete, 23:11205
- MARATHE, S. G. Gamma spectrometric estimation of radionuclides in reactor coolant water, 25:12956
- MARATHE, Savita V. Effect of γ-radiation on the aqueous solutions of L-proline and hydroxy-L-proline, 22:48881
- MARATHE, V. R. Conduction-electron polarization in rare earth—platinum alloys, 22:15599
- MARATRAY, F. Atlas. Transformation characteristics of chromium and chromium—molybdenum white irons. Experimental procedure, 25:45017
  - Factors affecting the structure of chromium and chromium—molybdenum white irons, 25:55556
- MARAVAL, S. Corrosion in fluorinating environment. I, 24:8097
  - Corrosion of metallic materials in the process of gaseous diffusion, 23:51001
- MARAVAL, Simone Formation of hydrated complexes starting with U(IV) and (V) fluorides and hydrated difluorides of cobalt, nickel, and copper, 22:27706
  - Formation of hydrated complexes starting with UF_4 from MnF_2 and $ZnF_2.4H_2O$, 23:7540
- MARAVIGLIA, B. Charged-vortex-ring creation by ions in superfluid helium, 24:5104
  - Ejection of electrons from superfluid helium surface by annihilation of quantized vortex rings, 22:36868
  - Formation of charged vortex rings in liquid helium below 0.8°K, 22:29396
  - Ionic currents modulated by film flow in superfluid helium, 24:5142
  - Motion of ions in saturated film of He II, 21:37398
- MARAZOVIC, LJ. Electrochromatography of ^{106}Ru and other radiomicroconstituents in sea water, 21:27948
  - Electrodialysis of ^{106}Ru, ^{56} ^{57} ^{58}Co, and ^{65}Zn in sea water through ion-exchange membranes, 21:10435
- MARAZOVIC, Ljerka Accumulation of ^{106}Ru by mussels, 22:28324
- MARBACH, James R. Evidence of nonfission electrons in South Atlantic anomaly, 22:31707
- MARBERGER, H. Retroperitoneal fibrosis, 23:29686
- MARBLE, Frank E. Factors affecting growth of boundary layers in plasma accelerators, 23:36666 (AD-681519)
  - Physics and technology of ion motors, 21:9347
- MARBLE, G. Changes in the urinary excretion of amino acids in a case of acute whole-body irradiation, 23:18120 (CEA-CONF-1174)
  - Clinical observations and treatment in case of accidental total irradiation, 23:14230
  - Effect of gamma and combined gamma + neutron irradiation on the urinary excretion of free amino acids in rabbits irradiated at lethal doses, 25:21834 (CEA-CONF-1721)
  - Effects of radiation on the urinary excretion of free amino acids in the rabbit, 23:18087 (CEA-CONF-1172)
  - Kinetics of passage of soluble radioiodine across respiratory epitheliums, after inhalation, 21:32569
  - Quantitative aspects of the biochemical effects of irradiation, 22:19426
  - Quantitative evaluation of biologic damage produced by irradiation, 25:39869
  - Urinary excretion of serine, threonine, and ethanolamine after γ and neutron irradiation, 24:48394 (CEA-CONF-1559)
  - Variations in biochemical parameters following irradiation, 23:12234
- MARBLE, Georges Experimental study of contamination by inhalation of radioactive iodine aerosols, 23:2818 (CEA-R-3417)
- MARBROOK, J. Immune response to sheep erythrocytes, 24:17005
- MARBURGER, J. H. Relation of normal-ordering methods to linked diagrams, 21:37922
- MARBURGER III, John Harmen Derivative method in many-body theory, 21:46452
- MARCAILLOU, J. Effluent processing station at the Cadarache Nuclear Studies Centre, 21:257
  - Management of solid wastes at the Cadarache Center, 25:21361
- MARCAL, P. V. Progress in three-dimensional elastic—plastic stress analysis for fracture mechanics, 25:55515
  - Three-dimensional elastic—plastic stress and strain analysis for fracture mechanics. Phase I. Simple flawed specimens, 25:18611 (HSSTP-TR-12)
- MARCANTONIO, J. Precipitated carbides in alloy systems. I and II, 23:8309
- MARCANTONIO, J. A. Grain refinement in aluminum alloyed with titanium and boron, 25:24657
- MARCATO, M. Retinal metabolism and ionizing radiation. I, 21:11037
  - Retinal metabolism and ionizing radiation. II, 21:11038
- MARCATO, Paolo Zero Gradient Synchrotron experimental area computer control system, 23:28148
- MARCAZZAN, M. G. Comparison between values of nuclear level density parameter at approximately 8- and approximately 20-MeV excitation energies, 22:27274
- MARCAZZAN, M. G. B. Statistical fluctuations in nuclear reaction cross-sections, 24:47681
- MARCE, Adrien Atmosphere—hydrosphere cycles of tritium under middle latitudes since 1952, 24:20901
  - Tritium study of the dynamics of underground waters, 24:27225
- MARCEAU, N. Absorption of ^{64}Cu in the rat, 24:34047
  - Production of ^{67}Cu, 25:38961
- MARCECA, I. Problem of radioprotection. I, 23:50566
- MARCEHAL, B. Experimental results on the (K anti K) and (Kp) systems as observed in the annihilations anti pp $\rightarrow$ K anti Kπ at rest, 22:5502
- MARCELJA, F. Antiproton—proton charge-exchange differential cross sections between 50 and 180 MeV, 22:24543
  - Antiproton—proton elastic scattering between 63 and 175 MeV, 22:24544
  - K^+p elastic scattering at 4.6 GeV/c, 25:5296
  - Partial-wave analysis and optical model for anti p—p scattering, 22:24640
- MARCELJA, S. Degradation of long-range order in "one-dimensional" superconductors, 22:7253
  - Electrical conductivity of a superconductor, 24:15238
  - Electrical conductivity of a two-dimensional superconductor, 23:10583
  - Electronic properties of the superconductor in the transition region, 24:26109
  - Enhancement in superconducting fluctuations of weakly coupled linear chains, 24:3266
  - Exact solution for the superconducting transition in one dimension, 25:40573

New method of resolving NMR structures using dynamic nuclear polarization techniques, 23:5346
MARCELLIN, W. J. Cause of cracking in thorium during fusion welding, 23:6659
MARCENKO, E. Site of photoreactivation of reproductive ability in alga Netrium digitus as determined by exposure to microbeam of visible light, 22:52023
MARCENKO, Elena Effects of gamma rays on algae, 21:36760
MARCER, P. J. Data link between two computers, 22:10593 (CERN-67-31)
MARCESSE, J. In-situ determination of soil-retention capacity using a neutron-moisture meter, 22:23148
  Nuclear techniques in problems connected with the water supply of soil and plants, 24:9506
MARCH, N. H. Asymptotic relations between Thomas—Fermi—Dirac and Thomas—Fermi atom models. I, 21:41811
  Atomic transport and isotopic mass effects in classical liquids, 23:31344
  Can the ground state of a many-electron system be described by the particle density, 25:49754 (CONF-690732, pp 1.1-24)
  Density matrices for atoms and solids. I, 22:7371
  Exact Thomas—Fermi method in perturbation theory, 21:31504
  Interaction between point defects in metals, 25:36325
  Isotope effects in close-packed metals and in alkali halides, 25:26241
  Liquid metals, 22:19471
  Many-body problem in quantum mechanics, 22:11564
MARCH, P. V. K^+p elastic scattering (2.1 to 2.7 GeV/c, 24:5252
  Positive pion—proton elastic scattering at 895, 945, 995, and 1040 MeV/c, 24:49341
MARCH, R. Elastic Λ—proton scattering from 400 to 1300 MeV/c, 21:46479
MARCH, R. H. Energy-gap anisotropy in superconducting bulk Pb, 24:6495
  LAMBDA—P total cross section and small-angle elastic cross-section measurements, 24:51934 (TID-25473(Vol.4), pp 307-12)
  Magnetized iron muon shields, 24:52310 (TID-25473(Vol.1), pp 443-7)
  Performance and cost studies for a mountain altitude high energy cosmic ray beam facility, 21:17099 (CONF-660918-, pp 220-3)
  Problems of magnetic shielding for neutrino beams requiring detailed study, 24:52311 (TID-25473(Vol.1), pp 449-50)
  Search for the $\Delta S = 2$ decay $\Xi^0 \rightarrow p\pi^-$, 24:51935 (TID-25473(Vol.4), pp 313-18)
  Short-lived neutral beam, 24:52284 (TID-25473(Vol.1), pp 173-85)
  Temperature dependence of energy gap in superconducting $Al/Al_2O_3/Al$ tunnel junctions, 22:17581
MARCH, Richard W. Reversal by syngeneic spleen cells of inhibitory effects of drugs and irradiation on friend virus, 22:45732
MARCHADIER, B. Mathematical treatment of metabolic data by the theory of compartments, 23:22184 (CEA-CONF-1175)
  Program of exploration of metabolism by whole-body spectrometry, 24:25355
MARCHAL, A. Simplified direct reactivity meter for D_2O-moderated systems, 21:40588
MARCHAL, C. Threshold conditions in superhigh-pressure laser-produced argon plasmas, 25:40661
MARCHAL, F. Magnetic welding, 24:27734
MARCHAL, Francois Magnetic forming of deformable sheet or sheet-like materials, 22:28913
MARCHAL, J. Efficiency of a fast photomultiplier associated with a threshold circuit, 22:19207
  Radiation-induced oxidative degradation of polyoxyethyleneglycol in dilute solutions in chloroform and in water, 22:25416
  Testing the linearity of time-to-amplitude converters, 23:22121
MARCHAL, Jean Application of pyrolytic chromatography to the study of the radiochemical polymerization of mixtures of isoprene with methyl methacrylate, 21:21979
  Kinetic study of the radiochemical polymerization of isoprene, 21:8377
  Oxidizing radiolysis of polyoxyethyleneglycol in dilute chloroform solution, 23:9454
  Oxidizing radiolysis of polystyrene in dilute chloroform solution, 23:9455
  Production of graft copolymers by irradiation of mixtures of polyoxyethylene [glycol] and styrene, 21:25876
  Radiochemical polymerization of isoprene—methyl methacrylate mixtures, 21:110
  Radiochemical polymerization of isoprene in the solid phase, 23:28928
  Study of oxidizing degradation of 1,4-dioxane at 25°C with $^{18}O_2$, 24:31414
  Study of the microstructure of polyisoprenes prepared by radiochemical initiation, 21:3126
  Study of the oxidizing degradation of polyoxyethylene at 25°C in presence of ^{18}O, 24:27132
MARCHAL, Jean-Pierre Nuclear power station of Saint-Laurent-des-Eaux, 24:13514
MARCHAL, M. Extrusion of uranium or a similar carbide, 22:8811
  High-temperature compressive creep and hot extrusion of uranium—carbon alloys, 21:20563
  Production of refractory materials in the form of fibers, 24:4751
  Study of Th—U—C system, 24:42188 (DP-Report-133)
MARCHAL, M. R. Thermics, 22:27501
MARCHAL, Michel Method and apparatus for shaping metallic carbides, 22:38606
  Method of extruding metallic carbides and in particular uranium monocarbide, 23:16520
MARCHAL, P. Dosimetry in nuclear accident, 24:7861
MARCHAL, Paul Reading photographic dosimeters, 24:39375
MARCHAL, Raymond Radiation lead screen, 21:8003
MARCHAL, Raymond H. F. Boiling liquid reactor, 23:15617
MARCHAND, A. Changes in electronic properties of carbons irradiated by neutrons, 24:19955
  Degraphitization under the effect of neutron irradiation, 23:10699 (CEA-CONF-1045)
  Electronic and magnetic properties of carbon fibers: development under neutron irradiation, 25:56282 (CEA-CONF-1822)
  Electronic properties of carbon irradiated with neutrons, 24:3046 (CEA-CONF-1356)
  Microwave magnetic absorption in conducting intermetallic compounds, 24:26333
  Thermal annealing of neutron-irradiated carbon, 25:56283 (CEA-CONF-1823)
MARCHAND, Alan P. Acidity of hydrocarbons. XXIV, 21:15970
MARCHAND, Andre Degraphitization under the effect of neutron radiation, 23:30194
  Magnetic resonance at 9.3 GHz of intermetallic cobalt—rare earth compounds, 23:20983
  Magnetic resonance of rare earth—Co intermetallic compounds at 9.2 GHz, 25:5200
MARCHAND, D. Film advance system of a spiral reader, 23:47827
MARCHAND, J. Impregnating systems for producing wood—plastic composite materials, 24:13937
  Polymer—substrate binding in resinified wood, 24:22618 (CEA-CONF-1418)
  Polymer-substrate bonding obtained by radiation in resin-treated woods, 24:13936
MARCHAND, J.-P. Delay time operator for simple scattering systems, 21:27458
  Formal scattering treatment of neutral-K meson system, 24:20124
  Unitary sum rule and time evolution of neutral K mesons, 23:49115
MARCHAND, Jean Francois Method of forming superconductive metal layers on electrically nonconductive supports, 22:24229
MARCHAND, Jean Maurice Thermodynamic state of argon plasma, 24:10533
MARCHAND, Jean-Paul Rigorous results in scattering theory, 23:5701
MARCHAND, Joseph Radioinduced oxidation of n-paraffins for obtaining biodegradable detergents, 23:7548 (CEA-R-3541)
MARCHAND, P. Near 100 percent efficiency ion detector for use with quadrupole mass filter, 21:4733
  Threshold behavior of cross section for ionization of He and Ar by monoenergetic electrons, 23:16671
MARCHAND, R. Study of prevention of deposits of calcium sulfate by crystallization, 25:46391 (ORNL-tr-2467)
MARCHANDISE, H. In-pile thermal expansion of uranium dioxide tentative synthesis, 23:2131 (EUR-4033)
  Study of the operation of a flute plasma, 21:37501 (EUR-2530.f)
  Thermal conductivity of uranium dioxide, 25:13749 (EUR-4568)
MARCHANT, H. Reaction $^{51}V(t,p)^{53}V$, 21:9962
  Strongest transitions from the (t,p) reactions on Cd and Sb, 21:12042
MARCHANT, J. D. Electrotransport of impurities in rare-earth metals, using a pulsed current, 25:22047 (BM-RI-7480)
  Electrowinning and tapping of lanthanum metal, 21:24723 (BM-RI-6882)
MARCHANT, Jack D. Solid-state electromigration of impurities in cerium metal, 21:32837 (BM-RI-6894)
MARCHANT, Y. Pilot scale studies on dissolution processes for nuclear fuels. II, 22:40189 (NP-17542)
MARCHART, H. Determination of Cu, Mn, and Co in U solution by neutron activation, 21:8200
  Radiotracer study of predators on Distantiella theobroma, 24:31792
MARCHATERRE, J. F. Coolant voiding and pressure generation due to boiling, fission gas release, and molten fuel-coolant interaction, 25:6073
  Delineation of LMFBR single subassembly accidents, 25:6068
  LMFBR accident analyses, 25:41491
MARCHATERRE, John F. Multipurpose nuclear reactor systems for the process and metallurgical industries, 22:10054
  Small utility nuclear power plants, 22:7831
MARCHATERRE, John J. Heat removal and containment following meltdown of an LMFBR core, 24:7154
MARCHBANKS, M. F. Development of boron—aluminum foils as neutron absorbers in test reactor fuel elements, 23:4324
MARCHENKO, E. N. Program for processing photographs in bubble chamber filled with heavy liquid. I, 25:29369 (ITEF-753)
MARCHENKO, L. D. Boiling crisis with water in rod bundles, 23:45472
  Effect of rod bundles on boiling crisis, 23:45473
MARCHENKO, N. A. Structure and properties of an [electrodeposited] In—Zn alloy, 25:19221
MARCHENKO, N. V. Program for processing photographs in bubble chamber filled with heavy liquid. I, 25:29369 (ITEF-753)
MARCHENKO, P. V. Extraction-absorptiometric determination of tin in high-purity indium, 23:37893
MARCHENKO, V. A. Compensation effect in a protophilic deuterium-exchange reaction associated with a change in solvation of the catalyst cation, 25:13007
MARCHENKO, V. L. Photodisintegration products of ^4He, 23:46909
  Reaction $^4He(\gamma,n)^3He$ at the γ-quanta maximal energy of 120 MeV, 23:28240
  Studies of a secondary emission monitor for electron beams, 21:6283
MARCHENKO, V. S. Observation of the anomaly near threshold in collisions of protons with Be nuclei at the energy 2.06 MeV, 22:39582
MARCHENKOV, V. V. Digital gain stabilizing circuit for a semiconductor gamma spectrometer, 21:16210
  Multichannel pulse-height analyzer, 21:39304
  Pulse generator for stabilizing a spectrometer circuit, 25:8542
MARCHERTAS, A. H. Numerical algorithms to determine the structural behavior of a cylindrical involute fuel plate under steady-state loading, 24:31630 (ANL-7555)
  Strength-deformation considerations of an involute shell, 23:43472 (ANL-7493)
  Stress analysis of a reactor core support structure consisting of two interconnected multiregion plates, 22:10072 (ANL-7162)
  Stress analysis of a reactor core support structure consisting of two interconnected multiregion plates, 22:50836 (ANL-7162(Suppl.))
  Working experience with high-temperature strain gages, 24:27465 (ANL-7648)
MARCHESANI, F. Action of ellagic acid on the time and intensity of hemorrhage of irradiated rats, 24:44536
MARCHESE, G. S. Effect of ionizing radiations on lymphocytes from adults and newborn infants, cultured in vitro in presence of phytohemagglutinin, 25:42602
  Modifications of serum γ-globulins in young guinea pigs subjected to irradiation and subsequent administration of thymus extracts, 21:416
MARCHESE, R. T. Design of spray additive systems, 24:33338
  Design of spray additive systems, 24:38555 (CONF-700608-4)
  Post LOCA hydrogen generation in PWR containments, 24:38571 (CONF-700608-12)
  Post-LOCA hydrogen generation in PWR containments, 24:33379
MARCHESELLI, W. Enzyme activity in irradiated skin, 25:42286
MARCHESI, G. Induced mutants in tomato cultivars, 22:6779
MARCHESINI, G. Absorption effects described by a complex pair of Regge poles in the reaction $\pi^+\pi \rightarrow \pi^0\Delta^{++}$, 25:53219
  Analysis of the limiting fragmentation hypothesis in inclusive experiments, 25:41031
  Bethe—Salpeter approach to the multi-Regge bootstrap, 24:18276
  Comparison between off-shell perturbative method and on-shell Dashen—Frautschi method, 22:15818
  Dynamical Regge trajectories from multiperipheral model, 24:18175
  Phenomenological implications of colliding Regge poles and cuts, 24:28618
  Production cross sections in the multiperipheral model, 25:9756
  Quark interactions and nucleon form factors, 23:7144
  Strong absorption and nearby-singularity approximation, 23:1637
MARCHETTA, Frank C. Extraction of teeth after cancericidal doses of radiotherapy to the head and neck, 22:47613
  Management of treatment for oral cancer, 23:41364
  Radical head and neck surgery through previously irradiated tissues, 22:28690
  Sequential radiofluoride photoscan studies of autogenous bone grafts, 22:51802
  Treatment of osteoradionecrosis by intraoral excision of the mandible, 22:10799
MARCHETTI, Cesare H, key to the energy market, 24:46102
MARCHETTI, D. Maritime carriage of nuclear materials, 24:22960
MARCHETTI, F. A. Prototype coincidence neutron counter for international safeguards and arms control applications, 23:47729 (AD-689733)
MARCHETTI, Fulvia Determination of Sc and Cs traces in five Predazzo granites by neutron activation analysis, 22:27607
MARCHETTI, M. A. Electronic transition moment of Lyman bands of H_2, 25:58699
MARCHETTI, R. Radioactivity of foods in Province of Pavia, 25:18942
  Results of 3 years (1964—1966) of measuring radioactivity of foods sampled in city and province of Pavia, 25:42389
MARCHETTO, G. Prog. rpt. on crack initiation in metallic materials, 6/1/65—11/30/65, 21:6803 (N-66-32184)
MARCHI, F. Effect of ionizing radiation on the heart, 25:26961
MARCHI, R. P. Analysis of scattering of He^+ by Ne and Ar, 21:39822
  Semiclassical theory of elastic perturbations, 23:32180
MARCHIDAN, D. I. Enthalpy and related thermodynamic functions of U—O system, 25:16579
  Heats of mixture in binary systems of molten salts, 22:31502
  Thermodynamic properties of some uranium oxides from EMF measurements, 25:23585
MARCHIDAN, Sofia Niobium polarographic reduction in HCl—thiocyanate medium, 25:48439
  Polarographic reduction of niobium in hydrochloric acid-thiocyanate medium, 25:34526
  Polarographic study of niobium(V) reduction in hydrochloric acid-thiocyanate medium, 22:16546
MARCHIK, I. I. Coherent excitation of spin waves and Doppler effect experienced by polarized neutrons, 25:45597
  Scattering of neutrons by parametrically excited spin waves, 22:44258
MARCHILDON, Michael Replication of type C virus particles in thymus grafts of C57BL mice inoculated with radiation leukemia virus, 22:23633
MARCHINI, Robert Riggs Dependence of superconducting energy gap on thickness in thin lead films, 24:19840

MARCHIONNI, R. Effects of ionizing radiation on human chromosome, 24:31920
MARCHIONNI, V. Establishment of laboratory for determination of Pu in biological samples, 25:2108 (RT/PROT-(70)14)
  Plutonium bio-assay laboratory at the Casaccia Nuclear Center, 25:37820 (EUR-4612, pp 421-35)
  Radiotoxicological analyses used at CNEN, 25:57347 (RT/PROT-(71)9)
MARCHIORO, C. β-decay of hyperons, 23:27788 (NP-17889)
  Exact ground state of some one-dimensional N-body systems with inverse (Coulomb-like) and inverse-square (centrifugal) pair potentials, 25:59840 (NP-19027)
  Exact statistical model in one dimension, 24:47395
  Problem of scattering on singular multichannel potentials, 21:35347 (NP-16844)
  Solution of a three-body scattering problem in one dimension, 24:40490
  T violation in hyperon β-decay, 23:21088
  T-violation of hyperon β-decay, 23:27838 (NP-17888)
MARCHL, A. Installation of process computers during startup of the KWO, 23:15592
MARCHUK, G. I. Monte-Carlo method for calculating radiation transmission, 22:5407
  Numerical method for asymptotic solution of the one-velocity transport equation, 23:46533
  Use of numerical methods for neutron cross section calculations, 25:20530
MARCHUK, P. M. Stability of plasma in linear tubular discharge, 21:29308
  Thermoelectronic properties of $(UC)_{0.2}$:$(ZrC)_{0.8}$, 21:15003
MARCHYULENENE, D. P. Pathways of penetration of radionuclides into fresh water mollusks and insect larvae, 23:29481
MARCIAL, Victor A. Orthovoltage and supervoltage treatment of cervical carcinoma, 23:8042
MARCIAL, V. A. Fractionation in radiation therapy of carcinoma of the uterine cervix, 24:29842
  Present concepts in radiation therapy of carcinoma of the uterine cervix, 24:21245 (CONF-700105-1)
  Unorthodox dose fractionation techniques in radiation therapy of cancer, 24:21246 (CONF-700105-2)
MARCIAL, Victor A. Dose fractionation in carcinoma of tongue, 24:21160
  Intracavitary curietherapy of cervical carcinoma, 21:18107
  Relations between dose-time, fractionation, and rest period in radiation therapy, 25:11222 (BNL-50203, pp 280-5)
  Time-dose-fractionation relationships in radiation therapy, 21:34703
MARCIANI, Dante Juan Fractionation and analysis of gamma irradiated lysozyme, 25:8604 (COO-690-41)
MARCIANI, Dante W. Chemical and conformational studies of gamma irradiated lysozyme, 23:47461 (COO-690-34, Sect. 5)
  Chitin column chromatography of irradiated lysozyme, 23:47462 (COO-690-34, Sect. 6)
  Physical and chemical properties of irradiated lysozyme, 23:47460 (COO-690-34, Sect. 4)
  Solubility characteristics of gamma irradiated lysozyme, 23:47459 (COO-690-34, Sect. 3)
MARCIANI, S. Photoreactions at 3655 A between pyrimidine bases and skin-photosensitizing furocoumarins, 22:16995
MARCIANO, C. Diffusion cloud chamber for an investigation of photoreactions on ^{3}He, 22:2359
MARCIANO, S. Electrophoretic behavior of certain enzymatic proteins of liver and heart of albino rats, 24:16988
  Renal LDH, GOT, MDH, and LAP values in normal and whole-body irradiated rat, 24:29715
  Ultrastructural myocardial changes in the total body-irradiated albino rat, 24:34084
MARCIANO, Salvatore Ultrastructural changes in bone marrow lympho-monocytic and myeloblastic elements in whole-body irradiated rats under different conditions, 24:36829
MARCIL, B. Effects of radiocontamination of environment on mother and fetus. II, 23:22199
MARCILESE, N. A. Iodine uptake by ova of hens, 22:51332
MARCILLAT, G. Automatic control of nuclear reactors, 21:12174
MARCILLE, Melle G. Cellular ultrastructure and mitotic index of lymphocytes of leukemia during treatment by irradiation, 25:58131 (CEA-CONF-1768)
MARCINIAK, Stanislaw Effect of optical radiation on the human skin, 24:36837
MARCINIAK, T. J. Simulated fission gas release in a heated channel, 24:7357
  Summary review of neutronic noise techniques for incipient boiling detection in LMFBRs, 24:18613 (ANL-7652)
MARCINIAK, Thomas J. Comments on "stability analysis of a sampled-data controlled nuclear reactor system", 21:25657
  Linearized sampled-data control algorithm for zero-power reactors, 21:38705
  Time-optimal digital control of zero-power nuclear reactors, 23:4367
  Time-optimal digital control of zero-power nuclear reactors, 23:26068 (ANL-7510)
  Time-optimal digital control of zero power nuclear reactors, 24:43826
MARCINKOWSKI, A. Cross sections for the ^{89}Y(n,n')/sup 89m/Y and ^{89}Y(n,2n)^{88}Y reactions, 24:30721 (INR-1147)
  Decay and half-life of ^{51}Mn, 24:20362
  Effective cross sections for pair production for isomer /sup 58m/Co, 21:44607 (ZFK-122, pp 289-92)
  Effects of superconductivity in nuclear level density, 22:27376
  Energy levels in ^{46}Ti, 22:44670
  Energy levels in ^{58}Co, 24:30724 (LUNP-6907)
  Energy levels in ^{58}Co, 24:38185
  Isomeric and total cross sections for ^{74}Se(n,2n)/sup 73g m/Se, ^{90}Zr(n,2n)/sup 89g m/Zr, and ^{92}Mo(n,2n)/sup 91g m/Mo reactions, 24:10971
  Isomeric cross-section ratios and total cross sections for reactions ^{59}Co(n,2n)/sup 58g,m/Co, ^{58}Ni(n,p)/sup 58g,m/Co, and ^{59}Co(γ,n)/sup 58g,m/Co, 22:26934
  Isomeric cross-section ratios and total cross sections for the ^{74}Se/n,2n/ /sup 73g,m/Se, ^{90}Zr/n,2n/ /sup 89g,m/Zr and ^{92}Mo/n,2n/ /sup 91g,m/Mo reactions, 24:30722 (INR-P-1105)
  Isomeric cross-section ratios and total cross-sections for the ^{113}In(n,2n)/sup 112gm/In and ^{115}In(n,2n)/sup 114gm/In reactions, 25:5763
  Isomeric ratios and total cross sections for compound reactions, 22:27055
  On superconductivity effects in nuclear level density, 22:20707
  Prog. rpt. on nuclear data research in Poland, 5/70—4/71, 25:53743 (INR-1318)
  Range—energy relation for low energy protons in Si and Ge, 22:6708
  Simple method of production of lithium surface barrier silicon detectors, 22:10556
MARCINKOWSKI, Andrzej High excited nuclear states, 24:38317
  Prog. rpt. on nuclear data research in Poland, annual, 5/69—4/70, 25:1736 (INR-1197)
  Transmission surface-barrier silicon detectors, 25:29331
MARCINKOWSKI, Jan Use of isotopes in casting practice, 25:10780
MARCINKOWSKI, M. J. Interfaces associated with ordered alloys, 25:12903 (ORO-3935-4)
  Prog. rpt. on alloy strengthening due to atomic order, 5/69—4/70, 24:16386 (ORO-3935-3)
  Study of the beta to alpha transformation in lanthanum, 22:38585
MARCINOWSKI, H.-J. Bibliographies on handling of radioisotopes, accidents, No. 3, 8/67, 22:12895 (AED-C-16-03-I)
MARCIO DO AMARAL, C. Flat-space metric in the quaternion formulation of general relativity, 23:46821
  Spinor formalism in gravitation, 21:11729
MARCKS, Donald F. Secondary beam targetry developments, 21:38115
  Self-optimizing target control system, 23:28088
MARCKWORDT, U. Magnesium-extractable cesium in soils and cesium uptake by plants, 22:51594
  Radiocesium in soils, 25:2529
MARCON, J. P. Contribution to the study of the zeta compound in the Pu—Th system, 23:12332
  Vaporization of plutonium carbides, 24:41257
MARCON, J.-P. Higher sulfides of lanthanides and actinides, 22:31523
MARCON, Jean Pierre Study of U—Pu—O system, 25:763 (CEA-CONF-1637)
  Thermodynamic properties of plutonium carbides, 24:51204 (CEA-CONF-1588)
  Vaporization of plutonium mononitride, 24:17361
MARCON, Jean-Pierre Existence of substoichiometric rare earth nitrides, 25:32829
  High-temperature solid electrolytes, 24:41241 (CEA-Bib-180)
  Neptunium sulfides, 21:45101
  Oxysulfides of plutonium, 21:27914
  Specific heat of uranium and plutonium oxides at high temperatures, 25:22175
  Study of actinide sulfides, 24:9269 (CEA-R-3919)
MARCON, John Jr. Small computer master-slave operation via voice grade telephone lines, 23:33131 (SC-RR-69-67)
MARCONCINI, Alberto Vaccination in sheep irradiated with ^{60}Co, 24:4578
MARCONE, N. Origin of an anomalous thermal arrest within the β range in U, 22:15216
MARCONE, N. J. Study of the $\gamma \longrightarrow \beta$ transformation in U—1 at. percent Cr, 23:18240
MARCONERO, R. Channeltron fatigue and efficiency for protons and electrons, 23:9704
  Solar-wind observations in December 1968, 24:8288
  Use of a two channeltron coincidence in a new line of research in atomic physics, 23:35498
MARCONERO, Renzo Fatigue effects on the channeltron electron multipliers, 22:14890
MARCONI, W. Organometallic chemistry of U, 24:201
MARCOPOULOS, C. A. Absolute neutral oil content of vegetable oils by radiochemical technique, 22:38012
MARCOPOULOS, Ch. A. Kinetics of isotopic exchange at aromatic carbon atom. I, 21:40871
  Kinetics of isotopic exchange at aromatic carbon atom. II, 22:10244
MARCOPOULOS, Christos A. Iodide exchange on aromatic iodoaminoacids, 21:35944
  Kinetics of the isotopic exchange between o-iodohippuric acid and iodides in ethanol solution, 22:25341
MARCORELLI, E. Anatomic—radiographic considerations of neuroblastomas, 22:49448
  Cylindrical adenoma of the parotid gland, 25:26866
MARCOS, N. A. New isotope ^{150}Pr, 25:7873
MARCOS LOPEZ, J. Study of the parasternal lymphatic ganglia by means of gammagraphy and subcutaneous injection of iodic contrasts, 23:24676 (CONF-670649-4)
MARCOTRIGIANO, G. Application of radioisotopes in column chromatography on substituted celluloses. VI, 21:22021
MARCOTTE, Ronald E. Collision-induced dissociation of NO^{+} and O$_2^{+}$ at low kinetic energies: effects of internal ionic excitation, 24:49017
MARCOTTE, Ronald Edward Radiation chemistry of gas-phase carbon tetrachloride—carbon tetrafluoride mixtures, 23:49873
MARCOU, Agnes Complexity of vibrations τ(CH) and τ(CD) in pentasubstituted compounds, 23:21722
MARCOU, J. Field radiated by an electron bunch passing through a linac section, 25:50409
  Injection in low-energy linear accelerator, 24:30655
MARCOU, Jacques Experimental study of the transitory phenomena produced in the injection of a non-grouped particle beam in an accelerating cavity with circular iris, 22:35185
  Experimental study of transitory response of irised accelerating cavity, 22:3568
  Radiation from electron bunch circulating about axis of accelerator, 23:52079
  Transient phenomena during electron beam injection in Saclay 45 MeV accelerator, 23:52035 (CEA-R-3842)
  Transitory phenomena produced during injection of beam into accelerating cavity with circular iris, 22:26756
MARCOUX, Michael Oran Eigenfunction expansions for scattering in two- and three-particle systems, 25:5429
MARCOV, N. Distortion of the magnetic field during the flow of an electrically conducting fluid around a circular obstacle, 22:21987
  Flow of conducting viscous fluids around thin profiles. I, 24:12674
  Flow of viscous fluids around thin profiles. II, 24:10417
  Viscous flow of conducting fluids past thin airfoils, 23:39363
MARCOVICH, H. Some theoretical and experimental data on the utilization of microorganisms in radiology, 21:45850
  Studies on the mechanism of the lethal action of x rays on E. coli K12 by means of genetic recombination, 21:22821
MARCOVICH, Herbert Initiation of DNA replication at 41°C by γ rays in thermosensitive mutant of E. coli incapable of reinitiating replication cycle at that temperature, 22:23455
MARCOWITZ, S. External proton beam tune calculations including targets at consecutive focii, 25:50449
  Simultaneous multiple targeting techniques, 23:27972
MARCOWITZ, S. M. Targeting techniques and considerations on the ZGS, 21:29769
MARCOWITZ, Stewart Beam matching, steering, and design using a CDC-924, and oscilloscope, and programs developed at ANL, 23:28141
MARCOWITZ, Stewart M. Survey of radiation doses and induced activity at the ZGS from September 1965 to September 1966, 21:38118
MARCQ, A. Synthesis of polyphenyl-related reference products, 21:10371 (EUR-3168.f)
MARCROFT, Joan Use of triton X-100 in liquid scintillation counting of ^{14}C with particular reference to plasma and urine, 25:46436
MARCU, G. Analysis of sulphuric acid solutions by β-ray back-scattering, 22:14458
  Determination of the thermalization time in graphite by the frequency characteristic method, 22:29891
MARCU, Gh. Analysis of uranyl solutions by method of reflections of β radiations. II, 22:16464
  Indirect determinations by β^{-} backscattering method. III, 23:43271
  Paper electrochromatographic investigation of formation of compounds of uranium and some associated elements in presence of acetic acid. I, 22:16672
MARCU, Gheorghe Chromatographic separation of UO$_2^{2+}$ from some fission products, 23:19839
  Determination of stability constants of UO$^{2+}_2$, Ce^{3+}, Y^{3+}, Ni^{2+}, Cu^{2+}, and Sr^{2+} compounds with acetic acid by paper electrophoresis, 22:8051
  Formation of complexes of Ce^{3+}, Eu^{3+}, Sr^{2+}, and UO$_2^{2+}$ in nitrilotriacetic acid, 23:19843
  Formation of U compounds. I, 23:400
  Separation of ^{140}La, ^{152}Eu, ^{90}Sr, and ^{90}Y from uranium by chromatography on paper impregnated with silicotungstates, 22:8176
  Separation of ^{152}Eu, ^{147}Pm, ^{241}Am, and ^{244}Cm through electrophoretic focusing, 21:14290
  Separation of ^{152}Eu, ^{241}Am, and ^{244}Cm by electrophoretic focusing, 21:34321 (ORNL-tr-1717)
  Separation of U impurities by chromatography, 23:43391
  Separation of UO$_2^{2+}$—^{90}Sr—^{90}Y AND UO$_2^{2+}$—^{152}Eu through electrophoretic focusing using the tartaric or citric acid as complexing agent, 21:14291
MARCU, I. Protection in acute radiation syndrome. I, 23:31822
MARCU, T. Effect of gamma irradiations on development of chick embryos. II, 24:51037
MARCU, Teodora Influence of gamma irradiations on development of chick embryos. I, 24:46661
MARCULESCO, Lidja Clearance of colloidal radiogold in diseases of liver, 23:50719
MARCULESCU, Lidia Interpretation of scintigraphic changes during chronic hepatitis and cirrhosis of the liver, 23:48146
MARCULESCU, S. Algebraic realizations, 25:33727
MARCULESCU, Sorin Symmetry breaking of chiral SU(3) x SU(3) in phenomenological Lagrangians, 25:56533 (IFA-FT-85)
MARCUM, J. I. Transport calculations pertinent to satellite detection of delayed gammas from an atmospheric nuclear explosion, 23:15970 (AD-672719)
MARCUM, R. C. Elimination of phase distortion in filters using digital techniques, 24:46165 (Y-DA-3514)
MARCUS Future of reprocessing in Europe, 25:18500 (NP-18669)
MARCUS, A. H. Random independent splitting model for the mass spectrum of protostars and interstellar clouds, 23:16559 (N-68-31168)
MARCUS, Allan H. Statistics at two points of the gravitational or electric field arising from a random distribution of point masses or charges, 24:37011 (AD-695453)
MARCUS, F. Final inactive tests of the Eurochemic plant, 22:8171 (NP-17174)
MARCUS, F. B. Efficient recirculation of power in mirror reactors, 25:38503 (CONF-710607-128)
  Pulsed systems and mirrors, 25:25166
MARCUS, F. R. Approach to regional (Nordic) co-operation in nuclear energy field, 25:54010 (A/CONF.49/P-7)

- Demands for reprocessing services and the planning of industrial reprocessing facilities in western Europe, 25:51565 (A/CONF.49/P-640)
- MARCUS, G. H. Radiation damage in GaAs gunn diodes, 25:21511
- MARCUS, H. J. Process studies on FEFO, 21:47046 (UCRL-13315)
- MARCUS, H. L. Moessbauer spectra of FeMo alloys, 21:44179
  - Moessbauer-effect study of Fe-rich Fe—Mo alloys, 22:1302
  - Precipitation strengthening of Fe-6 at. percent Mo, 21:45909
- MARCUS, Harris Leon Precipitation in Fe—Mo system, 22:28822
- MARCUS, J. A. Low-temperature phase transitions in alpha uranium, 25:11449
  - Weak ferromagnetism in antiferromagnetic UO$_2$, 21:32985
- MARCUS, L. Cold finger cryostats for lithium-drifted germanium detectors, 21:17884
  - Elastic and inelastic scattering of 80-MeV deuterons, 25:59754
  - Experimental study of reaction D(p,γ)p/sub s/, D at 156 MeV, 24:10913
  - Level schemes of even—even tellurium isotopes of mass number 118, 120, 122, 124, and 126, 22:7711
  - Live-target spark chamber trigger for the study of coherent interactions, 23:7797
  - Low-noise charge-sensitive preamplifier for a germanium detector, 21:36375
  - Study of ^{131}I decay, 21:42662
  - Transition probabilities of 329 keV γ rays of ^{140}Ce, 25:1755
  - Use of germanium detectors for charged particles, 23:47762
- MARCUS, Luc Germanium detectors and their use for charged particles, experimental study of (d,d'), (d,p), and (d,t) reactions on ^{12}C, 25:10851 (NP-18570)
- MARCUS, Philip I. Intrinsic interference: a new type of viral interference, 23:2992
- MARCUS, R. A. Classical mechanics of rotational—translational and other energy transfer. I, 23:5251
  - Extension of the WKB method to inelastic or reactive collisions, 25:9198
  - Fourth picture in quantum mechanics, 24:47349
  - Semiclassical transition probabilities for inelastic and reactive collisions, 25:30293
  - Slope of free energy plots in chemical kinetics, 23:2278
- MARCUS, R. B. Formation of fcc, bcc, and β-Ta films by evaporation, 23:18202
- MARCUS, Y. Americium(III) perxenate, 21:55
  - Coexistence of tetravalent plutonium and uranium in aqueous solution, 22:40057
  - Direct determination of the formal potential of Am(IV)—Am(III) and Am(VI)—Am(V) couples in phosphoric acid, 24:27094
  - Higher oxidation states of Am in solution, 24:9344
  - Higher oxidation states of americium in phosphate solutions, 23:28852
  - Interaction of lanthanide and nitrate ions in solution. II, 22:45010
  - Ion exchange and solvent extraction of metal complexes, 23:38070
  - Ion exchange in molten salts. I, 22:42832
  - Metal chloride complexes studied by ion exchange and solvent extraction methods, 21:21911 (IA-1087)
  - Metal-chloride complexes studied by ion exchange and solvent extraction methods. II, 22:27666
  - Products of reaction between alcohols and P pentoxide. I, 21:32254
  - Solubility of americium(III)chloride in concentrated lithium chloride solutions, 22:33297
  - Solvent extraction from molten salts, 22:6414
  - Spectrophotometric study of trivalent actinide complexes in solution. II, 21:4520
  - Spectrophotometric study of trivalent actinide complexes in solutions. III, 23:28819
  - Trivalent actinide complexes in solution. IV, 24:13826
  - Use of distribution measurements for determining the activity of a solute in molten salt mixtures, 22:31500
- MARCUSE, Dietrich Engineering quantum electrodynamics, 24:42855
- MARCUSE, W. Application of a nuclear process simulation model to an integrated safeguards experiment, 25:21335
  - Calculated inventory differences: a potential safeguards and material control technique, 25:48783 (CONF-710617-9)
  - Generation of a measurement catalog for safeguards, 25:48785 (CONF-710617-12)
- MARCUSSEN, Julius M. Myxedema after radiotherapy, 23:41486
- MARCUVITZ, N. Quasi-particle descriptions in classical many particle systems, 24:37459 (AD-686856)
- MARC-VERGNES, J.-L. Use of radioisotopes in investigation of cerebral circulation, 23:45833
- MARCZ, Ferenc Absorption of electromagnetic waves in the lower ionosphere, 22:31728
- MARCZENKO, Zygmunt Sensitive indirect method of colorimetric determination of bismuth with iodide, 23:49696
- MARCZINKOWSKI, N. Use of the scintillation camera for routine diagnosis in nuclear medicine, 23:31834
- MARCZINKOWSKI, Norbert Scintigraphic, anatomic, and histologic findings following partial irradiation of the liver, 23:31855
- MARCZYNSKA, A. Effect of irradiation therapy on circulating blood in patients with lung carcinoma, 25:52241
- MARDAKHIASHVILI, Sh. I. Phagocytic activity of leukocytes in indolent erosions and neoplastic processes of the uterine cervix and its changes under the influence of radium therapy, 21:22582
- MARDANOV, A. A. Rhythm of ^{35}S supply and inclusion into corn root protein, 23:50286
- MARDER, B. Bifurcation problem in E-layer equilibria, 25:5119
- MARDER, B. M. High-frequency electrostatic plasma instabilities, 25:59067
  - Laser-induced plasma instability, 25:33295 (LA-4604)
  - Stability of high-β, helically symmetric pinch, 25:9498
- MARDER, L. Gravitational waves in general relativity. XI, 24:3767
- MARDON, P. G. Alignment procedure for Kratky small-angle x-ray camera, 24:18833 (ORNL-4476)
  - Compatibility studies between arc cast (U$_{0.85}$Pu$_{0.15}$)—C and type 316L stainless steel, 25:11475 (AERE-R-5173)
  - Mechanical properties of sintered 316L stainless steel, 22:11058
  - Observations on Pu—Zr—O system, 23:36261
  - Phase relations in concentrated Ta—Hf and Nb—Hf alloys, 25:16531
  - Structural changes in samarium metal at elevated temperatures, 24:34909
  - Transformation to samarium-type structure in Gd—Ce alloys, 25:32750
  - Transformations to Sm-type structure in Gd—Ce alloys, 25:687 (CONF-700403-(Vol.2), pp 664-72)
  - Uranium—plutonium—carbon phase diagram. II, 25:11524
- MARDON, Yves Radiochemical adhesion process, 25:41846
- MARDUS, G. Nuclear engineering and nuclear chemical engineering, 22:37635
- MARDUS, Guenter Nuclear engineering problems and calculations, 23:31081
- MARDYNSKII, Yu. S. Methods of programmatic irradiation of malignant tumors in mobile techniques of telegammatherapy, 24:50914
- MARECEK, Vladimir Determination of fluorides in phosphate solutions by titration with thorium nitrate, 22:1973
- MARECHAL, B. E-meson in antiproton—proton annihilations at rest, 21:37696
  - Further study of the I = 1 KantiK structure near threshold, 21:44369
- MARECHAL, J. Nuclear reactors reactivity control process, 23:23880
- MARECHAL, J. C. Performances obtained in ultravacuum by a Penning ionic pump, 22:16834
- MARECHAL, J.-C. Study of a reduced scale model of a prestressed concrete vessel subjected to a large thermal gradient, 21:1184 (ORNL-tr-1350)
- MARECHAL, Jean-Christian Improvements in apparatus for testing concrete, 21:34426
- MARECHAL, Jean-Claude Behavior of a prestressed concrete vessel subjected to a high temperature gradient, 22:4327
- MARECHAL, M. A. Magnetic resonance of hydrogen molecular levels excited by electron impact, 23:48721
- MARECHAL, O. Summation vectors for a von Neumann algebra, 25:53308
- MARECKOVA, Marie Variances in the levels of serum lysozyme in x-irradiated mice, 21:6456
- MAREE, J. P. Latitude dependence of charged-particle albedo, 24:17714
- MAREEL, M. Organotypical culture of irradiated and non-irradiated chick mesonephros, 25:42643
- MAREEV, Yu. D. Gamma emission from ^{12}C(^{3}He,pγ, 22:5762 (JINR-P6-3463)
  - Gamma-radiation investigation in reaction ^{12}C(^{3}He,pγ)^{14}N, 22:37300
- MAREI, A. I. Strontium-90 in bone in Soviet union (1957—1967), 23:18000 (AEC-tr-7030, pp 26-39)
- MAREI, A. N. Certain health aspects of the ^{226}Ra problem, 21:4751 (AEC-tr-6797, Paper 6)
  - Certain hygienic problems of ^{226}Ra, 21:3402 (NP-16260)
  - Cesium-137 and ^{90}Sr uptake from foods in Poles'ya, 24:23156
  - Cesium-137 in organisms of inhabitants of Moscow, 22:19323 (A-AC-82/G/L-1185)
  - Content of ^{90}Sr in human bone in USSR: data for 1964, 22:49177 (NP-16519)
  - Distribution of ^{90}Sr in the adult human skeleton, 21:1741 (NP-16263)
  - Dosimetric and radiometric methods, 21:24239
  - Effect of calcium in drinking water on ^{90}Sr build-up in the bony tissue of the adult population, 23:22247 (AEC-tr-6944, pp 215-21)
  - Measurement of ^{90}Sr content in organism of adult persons, 25:10935 (NP-18388)
  - Measurement of ^{90}Sr in the adult, 25:39793 (AEC-tr-7232, pp 57-75)
  - Strontium metabolism in man, 21:45584
  - Strontium-90 content in the bone tissue of USSR population 1964, 21:4748 (AEC-tr-6797, Paper 2)
  - Strontium-90 distribution in the skeleton of adults, 21:4749 (AEC-tr-6797, Paper 4)
  - Strontium-90 in bone tissue of population of Soviet Union, 22:33801 (A-AC-82/G/L-1184)
  - Strontium-90 in bone tissue of population of Soviet Union, 25:16068 (AEC-tr-7214, pp 115-25)
  - Study of extracted teeth as a method of mass investigation of ^{90}Sr content in the human organism, 21:4750 (AEC-tr-6797, Paper 5)
- MAREI, S. A. Heat of solution of Cm metal and the heats of formation of Cm^{+3}/sub (aq)/ and CmCl$_3$/sub (d)/, 21:40818
- MAREK, E. V. Reactions of borides of the transition metals with their oxides, 25:52415
- MAREK, I. Rejection of poorly measured track points, 21:8578 (JINR-P10-3023)
- MAREK, Ivo Matrix with positive elements and the criticality of a nuclear reactor, 21:5696
- MAREK, J. J. J. Solutions of Einstein's equations in general relativity, 22:20335
  - Static axisymmetric interior solution in general relativity, 22:5657
- MAREK, Lawrence J. Laboratory investigations in support of fluid-bed fluoride volatility processes. XXI, 24:27180 (ANL-7612)
- MAREK, R. W. Effects of some process temperatures on radiation induced contraction of graphite, 21:46032 (BNWL-489)
  - Effects of some process temperatures on radiation induced contraction of graphite, 22:43668
- MAREK, Vladimir Gamma radiation effects on eggs, 24:2804
- MAREL, G. Search for the resonance delta$^+$, of mass 960 MeV in the reaction $p+p \rightarrow d$ + delta$^+$, 22:5504
- MARELIUS, A. Absolute transition rates in ^{183}W, 25:43903
  - Anomalous internal conversion of 212-keV transition in ^{121}Te, 23:8987
  - Conversion probability of 35 keV transition in ^{125}Te, 25:17951
  - Conversion probability of 35-keV transition in ^{125}Te, 24:26644 (UUIP-652)
  - Decay energy of ^{139}Ce and lifetime of the 166-keV level in ^{139}La, 21:15580
  - ΔK absolute value = 1, E1 transitions in odd-mass isotopes of Tb and Eu, 22:1695
  - Establishment of an excited state at 1.64 keV in ^{193}Pt, 22:14015
  - Excited nuclear states in ^{123}Te, 25:3699
  - Lifetime of 1.6-keV level in ^{193}Pt measured in different chemical environments, 23:8988
  - Lifetimes of 557.3 and 559.2 keV levels in ^{193}Ir, 24:24554 (UUIP-662)
  - Lifetimes of excited states in ^{103}Rh, 25:14992
  - Lifetimes of excited states in ^{119}Sb, 24:30766 (UUIP-672)
  - Lifetimes of excited states in ^{191}Ir, 23:40034 (UUIP-650)
  - Lifetimes of excited states in ^{193}Ir, 24:6898
  - Nuclear structure effects in particle parameters for 84.2 keV transition in ^{231}Pa, 23:44939
  - Transition probabilities of states in ^{133}Cs, 25:25773
- MARELIUS, Anders Electron coincidence studies in radioactive decay, 22:42075
- MARELLA, A. B. Simple beam positioning system for low energy electrons, 22:20382
- MARENCO, A. Determination by chemical analysis of traces of ^{7}Be, ^{32}P, ^{90}Sr, ^{210}Pb, and ^{210}Po present in the air and in rain, 22:35750
- MARENCO, Alain Variations, at Toulouse, of concentrations of ^{210}Pb, ^{210}Po, and ^{7}Be in the air and precipitations, 22:183
- MARENGO, G. Effects of thermal annealing and cycling on light metal impregnated graphite, 23:18209 (EUR-4085)
  - Metal impregnated graphite as a cladding material of fuel elements, 24:48875
  - Molybdenum disilicide for brazing fuel boxes, 24:36966 (DP-Report-67)
  - Reaction of DRAGON fuel inserts with moisture, 24:36197 (DP-Report-73)
  - Zirconium as brazing medium on fuel boxes, 24:42064 (NP-10265)
- MARENGO, Giuseppe Making connections to impregnated graphite, 23:36190
- MARENIN, Irene R. Technetium in Mira variable RZ Pegasi, 25:58459
- MARENIN, Irene Renate Ratio of ^{12}C/^{13}C and CN/C$_2$ in carbon stars 19 Psc and Y CVn, 25:35620
- MARENKINA, L. V. Wetting of tungsten and molybdenum by melts based on potassium, silicon, and aluminum oxides, 25:49447
- MARENKOV, O. S. Algorithms for modeling wave length of Compton-scattered γ quanta, 24:26289
  - Approximation of energy dependence of photoelectric absorption cross section of γ quanta, 24:35524
  - Computation of photoelectric coefficients of γ attenuation, 21:21006
  - Effect of multiply scattered γ-radiation in the x-ray radiometric method, 25:28939
  - Generalization of γ-albedo calculations on basis of similarity theory, 25:27831
  - Optimum selective logging conditions for variable-density ores, 22:6499
  - Problems of theory of selective logging, 24:307
  - Regularities of soft emitter γ-field distribution, 21:16811
- MARENKOV, V. S. Semiautomatic apparatus for measuring geometric parameters of charged particle tracks in photoemulsions, 23:6294
- MARENNIKOVA, S. S. Increase of the sensitivity of albino mice to the virus of smallpox after total x-ray irradiation, 25:16060
- MARENNYI, A. M. Method of irradiating biological objects with a multiply charged ion accelerator, 21:16348 (JPRS-38272, pp 304-5)
  - Microdistribution of absorbed dose in the track of a heavy charged particle, 25:16134 (JPRS-52121, pp 51-7)
  - Regularities in post-irradiation recovery of yeast cells, 23:38882
  - Relative biological effectiveness of multicharged ions during single irradiation of Chlorella, 25:16375 (JPRS-52121, pp 58-62)
- MARENS, Nelson S. Ionizing irradiation polymerization of trioxane, 23:26305
- MARES, F. Acidity of hydrocarbons. XXVII, 22:21067
  - Acidity of hydrocarbons. XXVIII, 22:21068
  - Acidity of hydrocarbons. XXVI, 21:35942
  - Proton magnetic resonance shifts in bis(cyclooctatetraenyl) U(IV), 25:29085
- MARES, J. Polarization of atomic H beam, 23:8720 (UJV-2039)
  - Polarized ion source for U-120 cyclotron. II, 25:3519
  - Polarized ion source for U-120 cyclotron. I, 25:3520
  - Radial injection of a polarised beam into a cyclotron, 25:31153
- MARES, S. Automatic device for monitoring radioactive depth marks of logging cables, 25:453
- MARES, Trinidad Effect of aromatic groups on localization of high energy in cellulose, 21:36039
  - ESR spectra of gamma-irradiated cotton cellulose I and II, 21:5940

  - Radiation-initiated crosslinking of cellulose, 23:47486
- MARESCA, M. W. Controlled unloading of geometrically ordered packed beds, 21:5722
  - Controlled unloading of geometrically ordered packed beds, 22:37578
- MARESCH, W. Studies on overload operation of Rheinsberg nuclear power plant, 25:18074
- MARESCHAL, J. Magnetic structure of DyCrO$_3$, 22:20066
  - Magnetic structure of the Perovskite-type crystalline compound: TbAlO$_3$, 21:41673
  - Metamagnetic properties of a single crystal of ErCrO$_3$, 25:5180
- MARESH, Marion Potassium-40: serial determinations in infants, 21:14636
- MARESKA, V. Direct complexometric determination of magnesium in the presence of U, Fe, and Al, 24:4216
- MAREŠOVA, Jaroslava Problems of clinics and therapy of hemangiomata in childhood. III, 22:38448
- MAREST, G. Decomposition of pulse height spectra of Ge(Li) detectors, 22:16861
  - Effect of finite time-resolution on perturbed angular correlation measurements, 23:17777
  - Evidence of an after-effect in (n,γ) reaction on polycrystalline Hf(IV) acetyl—acetonate complex, 23:35205
  - Excited states of ^{61}Ni, 21:33934
  - g-factor of first excited state of ^{196}Pt, 22:46787
  - Lifetime and g factor of first excited state of ^{57}Co, 21:29926
  - Lifetimes and nuclear moments in ^{192}Os and ^{192}Pt, 24:24583
  - Microstructure effect on hyperfine interactions in Yb—Ag, 24:21885 (LYCEN-6956)
  - Microstructure effect on hyperfine interactions in Yb—Ag, 25:36332
  - Structure of the low-lying energy levels of ^{200}Hg, 24:30829
- MAREST, Gilbert Decay of ^{188}Re, 22:18241
  - Decay of ^{59}Fe and excited levels of ^{59}Co, 22:18160
  - Decay of ^{59}Fe and excited levels of ^{59}Co, 24:45764 (ORNL-tr-2338)
  - Hyperfine interaction study by angular correlations, 24:28777 (LYCEN-6954)
- MARESZ-BABCZYSZYN, Jadwiga Characteristics of bacteriocins produced by Klebsiella bacilli, 21:43541
- MARETHEU, A. Measurement of the humidity of ceramic pastes, 23:17351
- MAREVA, St. Extraction of thorium with neutral organophosphoric compounds in the presence of aromatic carboxylic acids, 25:31770
  - Substituted ethan phosphonic acid esters as reagents for the separation of molybdenum from rhenium by solvent extraction, 23:387
- MAREZIO, M. Crystal structure of antiferromagnetic phase of V$_2$O$_3$, 25:5190
  - Low-temperature x-ray diffraction studies of near-equiatomic V—Ru alloys, 25:55532
  - X-ray diffraction studies of the metal insulator transitions in Ti$_4$O$_7$, V$_4$O$_7$, and VO$_2$, 25:14442
- MARFELS, H. Glass formation in the system Cs$_2$O—Nb$_2$O$_5$, 23:34085
- MARFINA, K. G. Changes in carbohydrates and organic acids in leaves and roots of cotton and maize plants in dependence on the dose of presowing gamma irradiation of seeds, 25:27074
  - Effects of gamma radiation on intensity of photosynthesis in higher plants, 22:588
  - Influence of various doses of ^{60}Co γ rays on ^{14}C absorption during photosynthesis, 22:23468
  - Radiation effect on distribution of ^{14}C, 23:22236
  - Sugar and amino acid ratios in cotton and corn plants, 23:22223
- MARGADONNA, D. Double π^- photoproduction on medium weight nuclei, 23:25852 (LNF-68/66)
  - Gamma—neutron reactions in rhodium between 0.4 GeV and 0.9 GeV, 23:15473
  - Monitor reactions for high energy bremsstrahlung beams, 25:32253
  - Photoneutron and total cross-sections of ^{238}U in giant resonance, 24:47665
  - Reaction (γ,n) in Au at 0.4 GeV and 0.9 GeV, 23:15474
  - Reactions (γ,n) in energy range 1.0 to 5.5 GeV, 23:19315
  - Reactors (γ,n) in energy range from 1.0 to 5.5 GeV, 23:19246 (DESY-68/57)
  - Yield measurements of (γ,n) and (γ,2n) processes in gold, 25:17357
- MARGADONNA, Daniele Fragment yields for the fission of ^{209}Bi induced by a 1000-MeV bremsstrahlung, 25:59816
  - Yields of some long-living spallation products in Cu, 24:18374
- MARGAN, D. V. Charged-particle tracks in crystalline solids, 25:22620
- MARGANI, Alessandro Selective extraction of inorganic ions. II, 24:20858
- MARGARITIDES, P. Problem of introducing nuclear power in a fast growing electrical energy system, 25:53891 (A/CONF.49/P-270)
- MARGARITIDIS, P. Nuclear power in Greece, 24:28905
- MARGARYAN, A. A. Radiation stability of BeF$_2$ glasses, 23:26285
  - Radiation stability of BeF$_2$ glasses activated by fluorides of rare earth elements, 25:34621
- MARGASON, B. E. Feasibility of rapid soil investigations using high-speed, earth-penetrating projectiles, 21:38838 (SC-DC-67-1922)
  - Rapid soil investigations using high-speed, earth-penetrating projectiles, 23:9544
- MARGAZIOTIS, D. J. Energy dependence of quasifree scattering in deuteron breakup by protons, 25:7802
  - Energy dependence of the p—p quasi-free scattering in reaction D(p,2p)n, 24:52392
  - Modified impulse approximation calculation of the N—N quasi-free scattering and the Chew—Low extrapolation in the D(p,NN)N reaction, 25:3750
- MARGAZIOTIS, Demetrius J. Angular distribution of d(p,n)2p reaction at 45.5 MeV, 22:26807
  - Angular distribution of d(p,n)2p reaction at 45.5 MeV, 22:41941
- MARGAZIOTIS, Demetrius John Neutron energy and angular distribution measurements from the reaction d(p,n)2p at 45.5 MeV, 21:19172
- MARGEN, P. Reactor pressure vessels made of concrete, 25:12788
  - Survey of sweden, 24:47705
- MARGEN, P. H. Conceptual design of medium-output integrated PWR produced from components series intended for larger units, 25:28639
  - Economic life of generating stations, 21:23651
  - Future of heavy water reactors, 22:14163
  - Heavy-water reactors: their role in the utilization of long-term fuel resources, 22:30252
  - Heavy-water-moderated reactors, 24:18571
  - Hot brine energy store, 24:20619
  - Marviken, 24:43610
  - Nordic studies on prestressed concrete pressure vessels for water reactors, 25:54070 (A/CONF.49/P-307)
  - Reactor strategies, 24:38547
  - Sensitivity of uranium and separative work requirements to variations in reactor programs, 25:44127 (CONF-700903-17)
  - Swedish pressure vessel BHWRs, 24:24788
  - Swedish program on vessel HWRs, 23:13438
  - Swedish vessel BHWRs: experience and prospects, 22:1807
  - Tandem BWR/BHWR fuelling, 21:42776
  - Thermal energy storage in rock chambers, 25:53917 (A/CONF.49/P-798)
- MARGEN, P. H. E. Prestressed concrete pressure vessel, 25:57203
  - Tubular fuel element for a nuclear reactor, 24:2075
- MARGEN, Peter Heinrich Nuclear reactor assembly, 21:35614
- MARGEN, Peter Heinrich Erwin Device for controlling the reactivity of a nuclear reactor having a forced coolant circulation system, 22:6064
  - Device for controlling the reactivity of a nuclear reactor, 23:9134
  - Nuclear power plant containing at least one light water nuclear reactor and one heavy water nuclear reactor, 24:35945
  - Nuclear reactor with fuel element cooled by boiling water and steam, 22:20953
  - Nuclear reactor, 22:20891
- MARGENAU, Henry Locally Maxwellian distributions in a relativistic gas, 23:25339 (BMwF-FBK-69-3; pp 15.1-30)
- MARGERIE, Jean Hyperfine structure of 7^{3}S$_1$ level of ^{199}Hg and ^{201}Hg, 22:5124
  - Hyperfine structures of 6^{1}P$_1$ levels of ^{199}Hg and ^{201}Hg, 21:46142
- MARGERUM, Dale W. Differential kinetic analysis of alkaline earth ions, 23:13625
  - Differential kinetic analysis of the metallic elements, 23:13626
- MARGGRAF, G. High temperature reactors: present designs and future trends, 24:24789
- MARGHERITA, S. Hydrolytic behaviour of concentrated thorium nitrate and perchlorate solutions, 22:35814
- MARGHITU, S. Measurement of the emittance of an ion-optical system, 25:56611
  - Self controlled pulsing of Penning ion source, 23:8894
- MARGHITU, Silvia Study of the oscillating electron sources discharge and ion beam, 25:53449
- MARGINEAN, P. Isotope-exchange reaction studies in a once-through fluid column, 23:28992
  - Isotopic exchange of deuterium between hydrogen and water vapor on alumina promoted nickel, 22:2028 (IFA-IS-48)
  - Isotopic exchange of deuterium between H and water vapor, 23:17441
  - Once-through dual-temperature laboratory plant for isotope separation, 23:38187
- MARGINEANU, P. Isotopic exchange between hydrogen and water at high pressures, 25:20984
- MARGOLIN, A. D. Determination of the decomposition time of hexogen under the effect of shock waves, 25:3964 (LA-4360-TR)
- MARGOLIN, D. M. Aqueous solutions of potassium peroxylamine disulphonate for dosimetry of accelerated electrons, 21:24235
  - Spectroscopic analysis of radiation processes in rubber at low temperatures, 22:21098
- MARGOLIN, Eli Inconel 625, 22:26050
- MARGOLIN, H. Fracture toughness and microstructure in Ti—5.25Al—5.5V—0.9Fe—0.5Cu alloy, 25:35348
- MARGOLIN, Harold Physical metallurgy of titanium alloys, 24:1020
- MARGOLIN, N. M. Nonlinear microwave properties of thin superconducting films, 24:32767
- MARGOLIN, Z. Carbon and oxygen isotope effects in the decarbonylation of benzoylformic acid in concentrated sulphuric acid, 24:38830
- MARGOLINAS, Samuel X-ray fluorescence measurement of Zn coating, 22:260 (ORNL-IIC-10(Vol.2), pp 805-16)
- MARGOLIS, B. Charge exchange reactions, 23:36954
  - Coherent and incoherent particle production in nuclei, 24:52059
  - Coherent and incoherent production in nuclei and unstable particle cross-sections, 22:22419
  - Coherent and incoherent reactions and diffraction, 25:22837 (INP-712(Vol.1), pp 107-43)
  - Coherent and incoherent reactions and diffraction, 25:27978
  - Coherent photo production of rho mesons, 24:35657
  - Comparison of the absorption model and a Regge pole model for nucleon isobar excitation, 21:4063
  - Diffractive processes and Regge cuts, 23:51962
  - Effect of correlations on coherent and incoherent processes in nuclei, 24:3977
  - Elastic scattering of vector mesons by protons from photoproduction, 22:46448
  - High energy neutron—nucleus total cross section, 25:1560
  - Incoherent production of rho^0 mesons from nuclei and vector dominance, 23:51898
  - Incoherent production of rho^0-mesons from nuclei and vector dominance, 23:51877 (DESY-69/30)
  - Interference of t and u channel amplitudes in pion nucleon scattering, 24:49530
  - Large-momentum-transfer diffraction scattering and production, 23:30829
  - Limits on symmetry-breaking electromagnetic interactions of the electron and proton, 21:46569
  - Momentum-loss spectra in proton scattering on deuterium, 25:41032
  - Multiple scattering and isobar production, 22:48320
  - Multiple-scattering corrections to Pomeranchukon exchange, 22:46397
  - Particle production in nuclei, 24:10781
  - Particle production in nuclei and unstable particle cross sections, 22:39429
  - Photon cross sections and vector dominance, 24:18140
  - Photon—nucleus elastic and total cross sections, 23:27784
  - Proceedings of 1967 summer institute in nuclear and particle physics, Montreal, 8/67, 22:48250
  - Production of pions by protons on nuclei and nuclear shape, 22:24665
  - Regge cuts, multiple scattering, and the pomeron slope, 24:18225
  - Selected topics in nuclear reactions, 22:48624
  - Theory of coherent and incoherent processes in nuclei, 25:47796
- MARGOLIS, Lawrence W. Whole-lung irradiation for metastatic tumor, 24:12207
- MARGOLIS, S. A. Observations on the effect of D$_2$O on energy-linked reactions of the mitochondrion, 21:376
- MARGOLIS, S. G. Effect of large electric fields on a Cs discharge, 24:1434
  - Loss of coolant from a simulated reactor loop, 21:21659
  - Multimode synthesis approximation for space—time reactor dynamics, 21:31950 (WAPD-TM-635)
  - Pressurizer performance during load drop tests at Shippingport: analysis and test, 21:38501
  - Pressurizer performance during loss-of-load tests at Shippingport, 22:18480
- MARGOLIS, Stephen G. Measurements of internal damping of reactor fuel-element materials, 22:6142
  - Safety analyses of pressurized water reactors, 25:57085 (CONF-710302-(Vol.1), pp 282-95)
- MARGOLIUS, Harry S. Effects of injected norepinephrine and sympathetic nerve stimulation in hypothyroid and hyperthyroid dogs, 21:6696
- MARGON, B. X-ray observations of Virgo XR-1, 25:47242
- MARGON, Bruce Evidence for a highly compact x-ray source, 25:58534
  - Pulsing x-ray source in Circinus, 25:55721
- MARGORINA, M. N. Solvent extraction of Np with 1-phenyl-3-methyl-4-benzoylpyrazolone-5, 23:13846
- MARGOSHES, Marvin Emission spectrometry, 22:25294
  - Emission spectrometry, 24:26945
- MARGOSIS, Michel Determination of zinc in pharmaceutical products by neutron activation analysis, 25:29029
  - Rapid determination of aluminum in pharmaceutical dosage forms by neutron activation, 24:36187
- MARGRAFF, R. Chemical transformations accompanying the irradiation of solid compounds of xenon in a neutron flux, 21:17672
- MARGRAVE, J. L. High temperature chemistry: stabilities and structures of high temperature species, 24:48084
  - Infrared spectra and geometries of SrCl$_2$, BaCl$_2$, EuCl$_2$, EuF$_2$, PbCl$_2$, and UCl$_2$, 25:29086
  - Infrared spectra of silicon difluoride in neon and argon matrices, 23:28799
  - Mass spectrometric studies at high temperatures. XIX, 21:25827
  - Mass spectrometric studies at high temperatures. XXV, 22:2046
  - Mass spectrometric studies of Sc, Yb, La, and rare-earth fluorides, 21:10314 (ORO-2907-16)
  - Thermodynamic properties of liquid molybdenum by levitation calorimetry, 25:55496
- MARGRAVE, John L. Characterization of high-temperature vapors, 22:30553
  - Fluorine bomb calorimetry, 22:2053
  - Prog. rpt. on physical chemistry of selected high-temperature systems, annual, 12/66—11/67, 22:14389 (ORO-2907-28)
  - Prog. rpt. on physical chemistry of selected high-temperature systems, annual, 12/69—11/70, 25:8161 (ORO-2907-73)
- MARGRAVE, Thomas E. Jr. Depth-dependent line blanketing by metals in model photosphere, 24:17569
  - Inhomogeneities in the solar photosphere, 23:25104
  - Limb-darkening tables, 23:22745
  - Limb-darkening tables for F0—K0 main-sequence stars, 25:13806
  - More on granulation models, 24:3097
  - Partially degenerate relativistic isothermal gas spheres, 23:14466
- MARGRAVE, Thomas Ewing Jr. Effect of photospheric inhomogeneities on emergent radiation field of the Sun, 22:24017
- MARGRITA, R. Tracer experiments performed in France as part of the study of thermal pollution in streams, 25:32079
  - Tritium and hydrogeology, 22:18937
- MARGUERIE DE ROTROU, Gerard Radiation effects on transformation of fibrinogen to fibrin, 23:9829 (CEA-R-3539)
- MARGUERRE, F. Rivers cannot take up heat at choice. 13 GW at the upper Rhine, 25:20685

MARGUIER, G. Lifetimes and nuclear moments in ^{192}Os and ^{192}Pt, 24:24583
  Preparation of thin ^{169}Tm sources, 23:49845
MARGULIES, S. Forward and backward $\pi^- + p \rightarrow K^0 + \Lambda^0/\Sigma^0$ at 4 GeV/c, 22:7448
  $K^0{}_1K^0{}_1$ threshold enhancement, 24:1570
  Nuclear-spectroscopic investigation on ^{8}Li, ^{42}K, ^{86}Rb, ^{141}Ce, ^{144}Ce, ^{144}Pr and ^{203}Hg, 22:53105
  Parametrization of resonances occurring near threshold, 23:7150
MARGULIS, Alexander R. Angiographic evaluation of the effect of trauma and irradiation on transplanted lymphosarcoma in mice, 22:12920
MARGULIS, B. G. Comparative characteristics of composite and dispersed air-equivalent scintillators, 25:32220
MARGULIS, U. Ya. Dosimetric and radiometric methods, 21:24239
MARGULOVA, T. Kh. Atomic power plants, 24:38396
  Effect of treatment of steel with Trylon B on its hydrogen absorption, 25:8842
  Possibility of use of chelating agents in primary circuit of water-cooled nuclear reactor with two circuits, 23:40656
  Role of condensate clean-up at one-loop nuclear power station, 21:19395
  Superheating of nuclear power turbine generator, 23:40382
MARGULOVA, Tereza H. Some problems of thermal schemes and aqueous regimes in ordinary and nuclear power stations, 22:10443
MARGVELASHVILI, P. I. Possibility of measuring regeneration phase, 24:45481
  Regeneration of K^0 mesons on deuteron at high energies, 25:28049
MARHA, Karel Electromagnetic field and living organisms, 24:17134
MARHAUER, H. H. Dynamic model of SPTF main flow loop, 24:5798
MARHIC, C. Comparison between the oxidation of Nb and that of a Nb base alloy (P353M), 25:19172
MARHIC, J. Y. Influence of the focusing of the beam of electrons on the form and size of the weld made by electronic bombardment, 23:14305 (CEA-CONF-1051)
MARHOFFER, J. Gamma- and neutron-gamma measurement correlations, 23:38275
MARHOFFER, Jozsef Application of scintillation counters in radioactive bore-hole surveys, 21:39207
MARHOL, M. Ion exchanger which contains phosphorus in the functional group, 23:15961
  New developments in ion-exchange materials, 21:28070
MARHOL, Milan Ion exchange separation of Mg from Ca and other metal ions, 24:25100
  Ion exchangers containing phosphorus in their functional group, 22:142
MARIA, Alain Process for separation of Mo, 23:35291
  Separation of molybdenum from fission product solutions, 23:35263
MARIA, H. Gamma radiation of ^{223}Fr, 23:15453
MARIA, Henriette Decay of ^{228}Ac, 25:46090
  Gamma radiation of ^{219}Rn, ^{215}Po, and ^{211}Pb, 22:20656
  High-energy gamma radiation accompanying decay of ^{228}Ac, 24:13383
  High-energy γ radiation accompanying decay ^{214}Bi, 23:21337
  High-energy γ radiation accompanying decay of ^{212}Bi, 23:21348
  High-energy γ radiation of ^{214}Bi (Ra C), 22:9886
  Interpretation of long-range α particles from ^{214}Po, 24:20408
  Low energy gamma emission from ^{228}Ac, 25:1753
  Low-energy γ radiation from ^{77}Ge, 22:42063
  Low-energy γ radiation of ^{226}Ra and its derivatives and the multipolar character of some γ transitions of ^{214}Po, 22:20662
  Study of γ radiation of ^{77}Ge, 21:15531
  Study of the γ radiation accompanying the decay of Ms Th(II) (^{228}Ac), 25:56747 (ORNL-tr-2531)
  Study of the high-energy gamma radiation of ^{77}Ge with the aid of a pair spectrometer, 21:31752
MARIACHER, Hans Wet milling of carbide—cobalt mixtures, 23:46111
MARIAGE, F. Scavenging by oxygen of radicals trapped in some irradiated organic solids, 23:38015
MARIAN, S. Selective uranyl nitrate permeation through plasticized poly (viny chloride) membranes, 23:37968
MARIAN, V. R. Transfer of coolant between adjacent subchannels in wire wrap and grid spacer rod bundles, 25:6028
MARIANELLI, Robert Nuclear magnetic resonance study of water exchange from the first coordination sphere of Gd(III) ion, 21:1333 (UCRL-17069)
MARIANI, A. Behavior of the urine and dietary C U and S U ratios, 24:7824
  Levels of ^{137}Cs and ^{90}Sr in the diet and the urine of a young population aged between 8 and 10 years, 21:24448
  Problems of the radiocontamination of man, 25:42375
  Radiostrontium content of deciduous teeth, 23:837
  Strontium-90 in cheese, 23:2845
MARIANI, F. Electrostatic analyzer, 24:31760
  Geomagnetic tail at 500 earth radii, 24:5080
  Geomagnetic, auroral, ionospheric and cosmic-ray perturbations, 22:1066
  Interplanetary magnetic field measured by Pioneer 8 during the Feb. 25, 1969 event, 25:27556
  Magnetic field fluctuations in magnetosheath observed by Pioneer 7 and 8, 24:32731 (N-70-14257)
  Magnetic-field fluctuations in the magnetosheath observed by Pioneers 7 and 8, 25:7227
  Multiple crossings of the Earth's bow shock at large geocentric distances, 25:55953
  Temperature of charged particles in the high atmosphere, 21:5260
MARIANI, G. Effects of seed treatment with fast neutrons on seedlings in Vicia sativa L. and V. villosa Roth, 22:8653
MARIANI, Graziella Fecundity, fertility, and recovery of germinal tissue of Physa acuta exposed to x rays, 21:32763
MARIANI, Leo Paul Coherent neutron scattering in polycrystalline zirconium hydride, 25:5499
MARIANO, E. E. Activities of the Argentine Atomic Energy Commission in Radioisotope applications in biology and industry, 24:39144 (PRNC-135, pp 100-5)
MARIANO, Helena Reduction of ceric sulfate in presence of thallous ions in solutions irradiated by alpha radiation at 5.3 MeV, 21:4545
MARIANO, M. H. Gamma radiolysis of perdisulfuric acid, 23:24218 (LFEN-87-a)
  Radiolysis of dilute aerated sulfuric acid solutions with 5.3-MeV alpha particles, 22:10307
  Radiolytic treatment of poplar wood, 25:38040 (LFEN-NL-57-a)
MARIANO, M. Helena Radiolysis of sulfuric acid solutions by 5.3-MeV α particles. I, 21:21968 (LFEN-63)
  Reduction of Ce sulfate in presence of Tl ions, 21:8327 (LFEN-49)
MARIANO, Maria Helena B. Radiation chemistry of persulfates, 23:47509
MARIANOVIC, R. Some studies on the x-ray effects on resting hair cell population, 24:51024 (ACRH-1000-205)
MARIANOVIC, Ruzica Persistent impairment of hair growth after single large doses of x-rays, 24:39565
MARIC, Z. Charge form factor for ^{4}He nucleus, 24:18355
  Double stripping calculation of reaction ^{9}Be(^{6}He,^{4}He)^{11}Be, 22:50553
  Investigation of ^{8}Li recoil nuclei in ^{9}Be(p,2p)^{8}Li reaction at proton energies of 180 and 660 MeV, 25:12378 (JINR-P1-4872)
  Reaction ^{9}Be(^{6}He,α)^{11}Be in double stripping theory, 23:25828
  Theory of d(p,γ)^{3}He reaction, 23:25797
  Three-nucleon ground state wave function. II, 25:53529
  Three-nucleon ground-state wave function. I, 24:8952
MARICA, M. Spectrophotometric study of the reaction between U(VI) and 8-hydroxy-7-iodoquinoline-5-sulfonic acid: determination of U, 21:35
MARICH, Z. Lithium-8 recoil nuclei in reaction ^{9}Be(p,2p)^{8}Li at 180 and 660 MeV protons, 25:25644
MARICHAL, M. Comparative study of the behavior in soil of radioactive waste solidified by various processes, 22:16813
  Experimental study of the fixation on plants and fish of radioisotopes originating from Plutonium Production Centre effluent, 21:16304
MARICHAL, Maurice Study of the diffusion of the radioactivity of glasses and bitumen-coated materials, 23:40967 (CEA-R-3751)
MARIE, J. L. Rare form of odontoradionecrosis, 24:19342
MARIE, Jacques Evolution of pyrocarbon toward graphite, 23:30147
MARIE, R. Rice breeding with induced mutations in France, 24:39486
MARIEN, P. Core design for helium and argon cooled gas turbine power reactors, 21:34099 (EUR-2757.e, pp 423-)
  Parametric survey on internally cooled annular fuel, 25:5979 (DP-Report-435)
  Power reactor core studies, 21:15745
  Prog. rept. on Dragon Project, semiannual, 6/1-12/31/60, 24:40891 (NP-10477)
  Prog. rpt. on DRAGON project, 1-6/1961, 24:38473 (DP-Report-75)
  Prog. rpt. on Dragon project, 1-6/62, 24:38475 (DP-Report-115)
  Prog. rpt. on Dragon project, 7-12/61, 24:38474 (DP-Report-92)
  Prog. rpt. on Dragon Project, 7-12/62, 24:38478 (DP-Report-165)
  Prog. rpt. on research development, semiannual, 1/1/63-6/30/63, 24:40875 (DP-Report-235)
  Project Dragon, 24:43690 (DP-Report-87)
  Utilisation of fuel resources in different reactor types. project dragon, 25:3867 (DP-Report-476)
MARIEN, P. J. Convective heat transfer correlations for use with helium at high heat fluxes, 22:7855
  Dragon reactor experiment, 24:40867 (DP-Report-76)
MARIEN, Pierre Moment of truth for high-temperature reactors, 22:39820
MARIEN, Pierre Jean Camille Albert Improvements in or relating to high temperature gas cooled reactors, 22:48671
  Improvements in or relating to the operation of nuclear reactors, 22:48768
MARIER, E. Performance of extensive experiments on glass dosimeters by official personnel dosimetry service of Land Baden—Wuerttemberg, 23:16159 (BMwF-FBK-68-45)
MARIETTE, R. Process of separation of uranium and thorium starting from a solution containing these two elements, 21:12516
MARIETTE, Rene Process of separation of uranium and thorium starting from a solution containing these two elements, 22:10353
  Process of separation of uranium and thorium starting from a solution containing those two elements, 22:14579
MARIETTI, P. Detection of cavities produced in a liquid by ionizing particles, 23:31524
MARIGO, A. Radioisotope renography in the evaluation of high-energy beam radiotherapy of cancer of the urinary bladder using wedge filters, 21:45705
MARIK, M. Chromospheric heating above a sunspot, 22:822
  Generation of magnetohydrodynamic waves in sunspots, 21:557
MARIK, P. Modification of NLZ 716a-T pulse height analyzer, 25:18862
MARIK, Petr Investigation of a hydrogen-free shield for heavy-water power reactors, 25:46306
  Triple-crystal gamma scintillation spectrometer with a protective anticoincident scintillator, 25:34931
MARIKYAN, G. A. Absorption of the nuclear-active component of cosmic radiation in lead and aluminum, 23:3307
  Absorption path of nuclear-active cosmic-ray particles, 21:9358
  Characteristics of high-pressure spark chamber, 21:45399
  Combined operation of spark chambers and ionization chambers, 23:31553
  Effects of the alcohol vapor on the operating characteristic of the spark chambers, 22:49124
  Inelastic interaction cross section of nuclear-active particles with nuclei of aluminum and lead atoms, 25:53694
  Investigation of the cosmic-ray nuclear-active component, 21:30721
  Measurement of the momentum of the accompanying particles at short distances from a high-energy nuclear-active particle, 25:29377
  Relation of nuclear interaction cross section to atomic weight of the element, 22:21913
  Shower efficiency of spark chambers, 24:9690
  Spark counter, 21:286
MARIKYAN, G. H. Screening from the electromagnetic field of spark chamber discharge, 23:26575
MARIMUTHU, K. M. Cytological effects of space flight on root tip cells of Tradescantia, 24:25447
  Effects of space flight factors and gamma radiation on Tradescantia, 25:6814
  Genetic and cytologic studies of Tradescantia irradiated during orbital flight, 22:47511
  Radiobiological studies of plants orbited in Biosatellite II, 23:35931 (BNL-13623)
  Studies of Tradescantia irradiated during orbital flight, 23:29437
MARIN, A. Fading of relativistic tracks in K-5 nuclear emulsion at high temperature, 24:5926 (IFA-CR-58)
  Fading of relativistic tracks in K-5 nuclear emulsion, 24:20999
MARIN, A. G. Simultaneous detection of Dalitz pairs and localization of π^0-origins, 24:40227 (IFA-CR-60)
MARIN, Bernard Behavior of trivalent actinides and lanthanide elements in chloride solution 23:40612 (CEA-R-3803)
  Behavior of trivalent actinides and lanthanide elements in chloride solution, 24:41247 (ORNL-tr-2342)
  Hydrolysis of Eu and Am in chloride medium, 23:17407
MARIN, G. Lethality from ^{3}H-nucleosides incorporated in mammalian cells, 22:45382 (EUR-3290f-e, pp 73-7)
  Radiation-induced mammalian cell death: lapse-time cinemicrographic observations, 21:6681
MARIN, I. S. Assembling and mechanical treatment of blocks of nuclear emulsions, 23:16102
MARIN, J. F. Activation energies for intergranular diffusion of U in hyperstoichiometric dioxide UO/sub 2 + x/, 25:658
  Determination of self-diffusion coefficients by alpha spectrometry, 21:3547
  Uranium and oxygen self-diffusion in UO_2, 23:10185 (CEA-CONF-1054)
  Uranium and oxygen self-diffusion in UO_2, 23:34100
MARIN, Jean-Francois Evaluation of coefficient of chemical diffusion of O in UO_2 above stoichiometry, 23:39039 (CEA-N-883)
  Self-diffusion coefficient of uranium in uranium monocarbide, 21:41534
  Self-diffusion coefficient of uranium in uranium monocarbide, 22:13067 (LA-tr-68-3)
  Self-diffusion of uranium in uranium dioxide: role of stoichiometry deviation and grain boundaries, 21:32984
MARIN, M. Specific β activity in the lower atmosphere, 24:36419
MAR'IN, N. P. Scattering of rays of electromagnetic waves by an artificial ionized spherical cloud, 22:48091
MARIN, P. Colliding beam experiments, 22:22275 (CONF-670923-, pp 376-86)
  Device for measuring the luminoisity of Orsay storage ring, 25:36606 (LAL-1249)
  Electron—positron collision ring at Orsay, 23:44802
  Orsay linear accelerator. IV, 23:52090
MARIN, P. C. Background due to electron beam in experimental devices of Orsay storage ring, 22:11817
  Electron—positron annihilation into $\pi^+\pi^-$, 22:7419 (LAL-1181)
  Injection in Orsay collision rings, 21:29662 (LAL-1170)
  Monitoring device for γ rays for the Orsay storage ring, 22:11819
  Study of electron-positron annihilation into $\pi^+\pi^-$ at 775 MeV with the Orsay storage ring, 22:9499
MARIN, Pierre Electron positron collisions in the Orsay storage ring, 25:9919
MARIN, V. P. SHF plasmatron and some possible areas of its application in chemistry, 21:12475
MARINA, D. M. Energy behavior of partial d waves in πN scattering, 22:32144
  Problem on role of rho and sigma mesons in strong interactions, 25:9750
  Resonance solutions of equations for πN scattering, 23:10825
  Resonance solutions of equations for πN scattering, 23:15111 (ITF-68-32)
  Role of rho- and sigma- mesons in strong interactions, 24:18153 (ITF-69-90)
  Two-channel calculation of P_{11} resonance in πN resonance, 23:32725 (ITF-69-22)
MAR'INA, V. V. Effect of fertilizers and pre-sowing irradiation of seeds by gamma-rays of ^{60}Co on the quality of maize corn, 22:33749
  Effect of fertilizers and seed irradiation on corn plants, 25:58154

- MARINACCIO, Paul J. Radiation sterilized, thiodipropionic acid ester stabilized, propylene polymers, 25:15653
- MARINACCIO, Paul Joseph Shaped articles comprising radiation sterilized polymers, 24:16555
- MARINARO, M. Breakdown of symmetry and gapless spectrum in many-boson systems, 21:29012
  - Condensation for an interacting boson system, 21:29176
  - Form-invariant renormalization, 23:23537
  - Integration rules for quantum field theory, 23:23535
  - Mass equation from tadpoles, 25:36425
  - Phase transition between condensed homogeneous and periodic systems, 23:27733
  - Renormalizable approximations in field theory, 24:33040
  - Renormalization theory, 21:13736
  - Self-consistent derivation of multiple mass values in renormalized field theories, 25:30986
- MARIN BENAVENTE, C. Uranium ore deposits in Ciudad Rodrigo phyllites, 24:22797 (JEN-207-SIG/1-6)
- MARINCHUK, M. E. Localization of spins in two-zone superconductor, 24:8411
  - Localized magnetic states in two-band superconductors, 22:41509
- MARINCU, E. (α,p) reactions on ^{24}Mg and ^{27}Al in 12 to 16 MeV energy range, 21:21511
  - Scattering of α particles between 12 and 16 MeV on even—even nuclei, 21:38276
  - Scattering of low-energy alpha particles by medium-weight even—even nuclei (^{54}Fe, ^{60}Ni, and ^{64}Zn), 22:20551
  - Study of the α—γ correlation for ^{32}S($\alpha,\alpha'\gamma_{1,24}$) reaction, 21:44605 (ZFK-122, pp 249-57)
- MARINE, I. Wendell Groundwater velocity in fractured crystalline rock at the Savannah River Plant, 21:36141
- MARINE, J. P—N junction formation in ion-implanted ZnTe, 25:9560
  - Properties of ion-implanted Zn—Te, 25:17271 (CEA-CONF-1719)
  - Properties of ion-implanted ZnTe, 25:19794
- MARINELLI, G. Short illustration of Italian mineralizations, 21:45262
- MARINELLI, L. D. Construction of radioactive phantoms, 24:27579 (ANL-7615, pp 76-81)
  - Dosimetry in relation to epidemiology, 23:50481 (PHS-999-RH-33, pp 128-38)
  - Geometrical and physical parameters in whole-body gamma-ray spectrometry measurements, 21:26143 (ANL-7220, pp 31-9)
  - Geometrical and physical parameters in whole-body γ-ray spectrometry measurements, 22:6848
  - In vivo counting of thorium dioxide patients, 23:26793
  - Localization of radioactivity in vivo by photon time-of-flight techniques, 24:31676 (ANL-7489, pp 1-12)
  - Localization of scintillations in gamma-ray cameras, 23:50686
  - Low γ activity scanning, 24:27328 (ANL-7615, pp 87-95)
  - Maximum permissible burden for ^{90}Sr, 23:38587
  - Measurements of cosmic-ray neutron background, 22:2425
  - Numerical solution of two-dimensional Fredholm equations of the first kind, 25:21383 (ANL-7760(Pt.2), pp 176-201)
  - Radiation-induced leukemic risk in man, 25:21907 (ANL-7760(Pt.2), pp 133-53)
  - Regularization unfolding in low γ-activity measurements. I, 24:50979
  - Regularization unfolding of low γ-ray activity measurements. II, 25:21382 (ANL-7760(Pt.2), pp 154-75)
  - Time-of-flight γ camera, 24:27327 (ANL-7615, pp 81-7)
- MARINELLI, Leonidas D. Cosmic-ray contribution to the background of low-level scintillation spectrometers, 22:2412
- MARINELLI, V. One- and two-phase coolant load-loss measurements in a 16-rod bundle, 24:47884
  - Pressure drop measurements in isothermal single-phase flow, 24:5804
  - Pressure drop measurements in two-phase flow, 24:5803
  - Pressure influence of two-phase-flow rod bundle pressure drops, 25:41429
  - Single- and two-phase pressure drops on a 16-rod bundle, 24:47858
- MARINENKO, E. ATP as a prophylactic and therapeutic drug in radiation disease, 25:39882
- MARINENKO, E. I. Effects of adenosinetriphosphoric acid on oxygen level in tissues in connection with its influence on radiosensitivity of animals, 23:24517
  - Hematogenesis in irradiated mice, 24:17059
  - Mechanism of the radioprotective effect of adenosine triphosphate, 25:39881
  - Radiation protection of adenosinetriphosphoric acid sodium salt in mice, 22:49381
- MARINESCU, C. Physical chemical parameters of DNA obtained from liver of irradiated rats, 22:51450
  - Radioprotection experiments with nucleic acids, 24:21212
  - Study of nucleic acids in the hepatic tissue in irradiated animals, 21:11097
- MARINESCU, D. Spectrophotometric study of reaction of U(VI) with a new salicylazochromotropic acid derivative, 24:41194
- MARINESCU, I. Evolution of renal lesions in radiation sickness, 21:4871
  - Process of wound healing of vesical lesions in irradiated animals, 21:4873
  - Value of isotopic renocystograms for surgical orientation in diseases affecting the urinary system, 21:402
- MARINESCU, L. Absolute measurement of ^{239}Pu fission cross-section for 2200 m/sec neutrons, 25:59777 (IFA-NR-33)
  - Energy dependence in the range 0.7 to 4 MeV of the neutron fission cross section of ^{239}Pu, 21:42658
  - Magnetic mirror thermal neutron polarizer, 21:21396
  - Mechanical choppers for thermal and resonance neutrons used at VVR-S, 22:12127
  - Time resolving power of the multiwire spark counter, 21:43263
- MARINESCU, N. Bootstrap of the π—π, J=0, T=0, antibound state, 21:7505
  - Crossing-symmetric bootstrap model of a nearly degenerate vector-meson octet, 22:3498
  - Crossing-symmetric, dynamical approach to internal symmetries, 22:3497
  - Dynamical approach of SU$_3$ symmetry, 22:44422
  - J = 1, I = 1, π—π amplitude in OPE model, 22:11664
  - Microwave method for determination of electron density and collision frequency in a plasma, 25:47503
  - SU$_3$ breaking by an isotriplet, 21:35337
- MARINESKU, L. Mechanism of ^{239}Pu fission by muons, 23:3997 (JINR-P1-4051)
- MARINET, D. A 7-W, 4.5°K He refrigerator, 23:6959
  - Description of some superconducting magnets and their accessories, 23:6251
  - Helium refrigerator producing 130 watts at 4.5°K connected to an electron irradiation dewar, 25:45439
  - Superconducting coils for a very homogeneous field: example of development, 22:21258
- MARINET, Dominique Superconductors and their applications, 24:21707
- MARING, B. Applications of closed gas turbine cycles with a pebble bed HTGCR, 21:34098 (EUR-2757.e, pp 353-)
- MARINGELLI, M. Derivative measurement of photomultiplier response, 22:43183
  - Excitation of states between 3 and 6 MeV in ^{31}P and ^{32}S, 25:3612
  - Inelastic scattering of 14.2 MeV neutrons from ^{31}P and ^{32}S, 24:15824
  - Search for low-energy muons by neutral components at 4500 mw.e, 24:15468
- MARINGER, R. E. Effects of processing on the dimensional stability of beryllium mirrors, 25:24590
  - High temperature internal friction of TD nickel, 23:48543
  - Microstrain characteristics of isostatically hot-pressed beryllium, 23:6658
- MARINGER, Robert E. Bibliography on damping capacity of materials, 21:485 (RSIC-508(Vol.2))
  - Damping capacity of materials. I, 21:477 (AD-640465)
  - Review of dimensional instability in metals, 25:647 (AD-487419)
- MARINGER, Robert M. Mechanical and physical properties of Invar and Invar-type alloys, 25:645 (AD-474255)
- MARIN GORRIZ, D. Francisco Various radiobiological considerations on therapeutic castration of women, 25:8732
- MARINI, A. DWBA in deuteron stripping reactions with spin-orbit distortions, 21:13922
  - TOBIA FORTRAN program for analysis of nuclear stripping reactions, 21:7822 (NP-16368)
- MARINI, D. Liver scanning as a form of paraclinical examination, 23:38653
  - Method of presenting data in scintillography: the colored iso-chart, 22:49444
- MARINI, G. Distribution of dose around Ogier—Scarpa uterovaginal applicator, 25:24169
  - Electron—positron elastic scattering at high energies, 24:47355 (LNF-70/36)
  - Multiple particle production from e^+e^- interactions at cm energies between 1.6 and 2 GeV, 24:40229 (LNF-70/37)
- MARINI, J. Theoretical and experimental study of some ultrasonic emitters, 23:11729 (CEA-CONF-1071)
  - Theoretical and experimental study of some ultrasonic emitters, 25:6483
  - Ultrasonic automatic testing of austenitic stainless steel welds, 24:36526 (CEA-CONF-1539)
  - Visual display of ultrasonic images using an ultrasonic camera, 25:6488
- MARINI, P. Example of technical co-operation in nuclear agronomy, 24:44384
- MARINI, P. F. Thermodynamic properties of saturated steam and water as function of pressure, 23:11718
- MARINI, R. Transistor log-linear counting rate system for neutron flux measurements, 21:34481
- MARINICH, A. M. Optimization of parameters for small nuclear power sources containing water-cooled, water-moderated reactors, 25:28640
- MARININ, V. G. Instabilities of plasma generated by beam—plasma discharge in magnetic mirror, 23:10650
  - Instability of beam-plasma discharge at low pressure in the magnetic trap, 22:46173
  - Investigation of ion heating during development of high-frequency cluster centrifugal instability, 25:5073
  - Mechanism of appearance of high-energy particles in coaxial plasma gun, 21:3884
  - Some methods of injection of particles into magnetic traps, 23:36676
- MARINKOV, L. Existence of electric monopole component in $2^{+\prime} \longrightarrow 2^{+}$ transition in ^{192}Pt, 23:37205
  - Radioactivation analysis of Al cans used for irradiations, 24:33662
- MARINKOV, L. G. Conversion electron—gamma directional correlation measurements on ^{192}Pt, 22:44747
- MARINKOVIC, S. Electrical resistivity of graphite powder and its mixtures, 25:36334
  - Microhardness of silicon-containing pyrolytic carbon, 24:39715
  - Simultaneous chemical vapour deposition of carbon and uranium, 23:51097
  - Simultaneous chemical vapour deposition of carbon and silicon, 24:42221
  - Simultaneous pyrolytic deposition of carbon and boron, 23:22534
- MARINKOVIC, Slobodan Simultaneous vapour deposition of uranium and carbon, 22:52229
- MARINKOVIC, V. Determination of heats of oxidation of uranium sulphides, 22:4149
  - Influence of atmosphere on sintering high surface area uranium dioxide, 21:36904 (NIJS-R-501)
  - Influence of atmosphere on the sintering of high-surface-area uranium dioxide, 23:12408
  - Influence of compacting pressure and other factors on sintering UO$_2$, 24:27825 (IJS-251)
  - Radiation damage in tungsten, 24:40161
  - Some physical properties of nuclear graphite, 22:43633 (TT-67-58017/3-4, pp 21-7)
- MARINO, D. Designing method of switching circuits cascade for analog parameter discrimination, 25:10901
  - Optimum statistical equalization in controlled analog to digital converters, 23:41122 (EUR-4289, pp 347-8)
  - PDP-8 computer control system, 22:36153
  - Pseudorandom truly uniform noise generator, 22:19205
- MARINO, G. P. Hydrogen behavior in Zr-based alloys, 22:40999 (WAPD-TM-759)
  - Porosity correction factor for the thermal conductivity of ceramic fuels, 25:16591
  - Porosity correction factor for thermal conductivity of porous materials, 24:27828 (WAPD-TM-807)
  - Radiation transfer across spherical pore in linear temperature gradient, 23:21885 (WAPD-TM-777)
  - Radiation transfer across spherical pore, 23:24375
- MARINO, Hector Biologic excision: its value in the treatment of radionecrotic lesions, 22:51780
- MARINO, Kenneth R. Reliability study and test plan: Radioisotope-powered cardiac pacemaker, 24:50519 (NUMEC-3731-17)
- MARINO, Lawrence L. Charge transfer between alkali-metal ions and cesium atoms, 21:7017
- MARINO, Miguel A. Conference on groundwater hydrology, San Francisco, 11/67, 23:444
- MARINO, Stephan A. Computer evaluation of monoenergetic neutron irradiations in radiobiology, 24:50904
- MARINO, Stephen A. Minimum cyclotron size for radiation therapy, 25:17646
- MARINONE, Franco Forecasts of Italy's energy requirements up to the year 1990 and role of nuclear energy, 25:54042 (A/CONF.49/P-818)
- MARINOT, Robert Two-stage pressure control system for fitting to a creep measuring cell, 22:36132
- MARINOV, A. (d,α) reactions on ^{42}Ca and ^{44}Ca and states in ^{44}K, 24:43285
  - Character of the 5.387- and 6.095-MeV states in ^{40}Ca, 24:43292
  - Elastic and inelastic proton scattering from ^{40}Ca, 23:39982
  - Evidence for the possible existence of a superheavy element with atomic number 112, 25:25737
  - Excited states in ^{41}Sc by elastic and inelastic proton scattering from ^{40}Ca, 24:40590
  - Isobaric analog resonances in ^{131}I, 24:43443
  - Isobaric analog states in ^{75}As, 22:20536
  - Isobaric analogue states in ^{131}I, 21:1114
  - Level structure of ^{44}K, 25:38949
  - Reaction ^{46}Ca(^{3}He,d)^{47}Sc, 21:13830
  - Scattering of protons from ^{128}Te and ^{130}Te, 25:12602
  - Scattering of protons near thresholds of (p,n) reactions to analogue states, 22:20503
- MARINOV, M. Counters with cadmium sulfide crystals utilization as proportional detectors, 21:19931
- MARINOV, M. S. Calculation of invariant functions composed of three spherical harmonics, 21:40256
  - Construction of invariant amplitudes for interactions of particles with any spin, 23:3839
  - Designation of invariance amplitudes of interaction of particles with arbitrary spins, 22:22330 (ITEF-538)
  - Incompatibility of relativized SU(6) symmetry with unitarity, 22:13785
  - Inelastic screening in high-energy pion—deuteron scattering, 24:33021
  - Inelastic screening in high-energy pion-deuteron scattering, 25:7689
  - Invariants of the rotation group, 25:31013 (ITEF-782)
  - Method to calculate amplitudes for scattering of fast particles on nuclei, 25:59528
  - Nonnegativity of spin density matrix, 21:11745
  - Pion scattering off deuteron with large momentum transfer to neutron, 23:44674
  - Possibility of observing T-odd spin correlations in the Compton effect on protons, 21:25255
  - Representation of finite rotation matrix as a sum over Clebsch—Gordan coefficients, 21:15617 (NP-16587)
  - Representation of finite rotation matrix as sum over Clebsch—Gordan coefficients, 21:33737
- MARINOV, Marin Analyzer (1024-channel time), 24:14357
  - Angular distribution of annihilative γ quanta obtained by positron annihilation in indium and antimony, 22:41303
- MARINOV, S. Experimentum crucis for the proof of the space-time absoluteness, 24:45585
- MARINOV, V. Content of ^{90}Sr and ^{137}Cs in meat-bone meal produced in 1966, 22:21502
  - Determination of low-level ^{137}Cs activities in meat, 24:36757
  - Determination of low-level ^{90}Sr and ^{137}Cs activation in milk, 25:10480
  - Determining low-level activities of ^{90}Sr in wheat and its distribution in grinding, 22:25847
  - Measuring low activities in radiochemistry, 24:33637
  - Possibilities of detecting low-level β-activities by scintillation detectors, 25:10819
  - Reliability of results of low-level activity measurements, 24:20993
- MARINOVA, E. Counters with cadmium sulfide crystals utilization as proportional detectors, 21:19931
- MARINOVA, Ts. I. Method for deactivating contaminated surfaces by film, 25:21266 (AEC-tr-7218)
- MARINOVA, Ts. S. Adsorption and desorption of ytterbium on carbonized tungsten, 25:58228
  - Adsorption and work function of ytterbium and neodymium on tungsten, 24:45340
  - Beryllium adsorption on tungsten, 25:43473

  Desorption of ytterbium and neodymium from tungsten by an electric field, 25:58230
  Heats of desorption of K and Cs on surface of W, Mo, and Ta, 24:51158
  Isothermal heat of evaporation of ytterbium and neodymium ions on a tungsten surface, 25:55533
  Migration and evaporation of ytterbium and neodymium on tungsten, 24:45341
MARINOVA, Z. Possibilities for protection and repair of irradiated DNA and RNA with respect to their DNA/mRNA-hybird-forming ability, 23:10023
MARINOVZ, Z. X-radiosensitivity of hybridization properties of DNA, 21:16278
MARINSKY, J. A. Complexing of Ni(II), Co(II), and Cu(II) by polymethacrylic acid gel and its linear polyelectrolyte analogue, 24:38688 (TID-25454)
  Further investigation of the osmotic properties of hydrogen and sodium polystyrenesulfonates, 24:38690 (TID-25457)
  Ion-exchange selectivity coefficients, 24:38691 (TID-25458)
  Ion-exchange selectivity of synthetic zeolite Linde A in anhydrous and mixed media, 24:36358 (TID-25452)
  Ion-exchange selectivity of the synthetic zeolite Linde A in anhydrous and mixed media, 25:13091
  Osmotic properties of divalent metal polystyrenesulfonates in aqueous solution, 24:38692 (TID-25459)
MARINSKY, Jacob A. Prog. rpt. on solution and nuclear chemistry, annual, 10/1/67—9/30/68, 22:40054 (NYO-2269-12)
  Prog. rpt. on solution and nuclear chemistry, annual, 10/68—9/69, 23:38027 (NYO-2269-13)
  Prog. rrp. on studies in solution and nuclear chemistry, annual, 10/69—9/70, 24:36116 (NYO-2269-14)
MARINUZZI, J. G. Cathode ray film scanner, 21:43246
  Improvement of H pumping characteristics of Penning discharge getter-ions pumps, 21:29649 (BNL-11365)
MARION, A. Precision logarithmic decoding circuit for multichannel analyzers, 23:43634
  System for automatic control and registration for a magnetic β spectrometer, 25:48973
MARION, B. Study of the control of a fast-reactor nuclear power plant on a hybrid computer, 23:49548 (ANL-Trans-771)
MARION, C. Formation of intermediate layer during oxidation of Zr—Cu alloys at 750 deg C, 21:11178
MARION, Fernand Direct determination of pressures of oxygen in equilibrium with oxides, 23:24995
  Electrical conductivity and stable domains at high temperatures for terbium oxides, 25:5179
  High-temperature studies of Pr oxides based on measurements of electric conductivity as a function of the partial pressure of equilibrium O_2, 21:15900
MARION, J. B. Energy levels and electromagnetic transitions in ^{15}N from $^{12}C(^3He,p\gamma)^{15}N$ reaction, 21:38254
  Further speculations concerning the structure of ^8Be, 21:25438
  Gamma-ray transitions involving isobaric-spin mixed states in ^8Be, 24:6843
  Isobaric-spin mixing in ^8Be states, 21:31724
  Isospin doublet in ^{12}C, 24:49713
  Measurement of (p,p) and (p,α) cross sections for Li and F, 23:19155
  Multiple scattering of charged particles, 21:21463
  New method for measuring the ratio of the proton magnetic moment to the nuclear magneton, 21:29872
  Nuclear reaction analysis, 23:1956
  Nuclear reaction calibration energies by velocity measurements, 25:12402
  Precision measurements of nuclear reaction calibration energies, 21:2631
  Reaction $^{11}B(^3He, ^6Li)^8Be$, 21:4211
MARION, Jerry B. Conference on nuclear research with low energy accelerators, College Park, Md., 6/67, 24:28746
  Facilities for high-intensity neutron irradiation, 21:1486 (AD-637458)
  Gamma-ray calibration energies, 22:35386
  Isobaric spin effects in nuclear reactions, 24:28831
  Multiple scattering of charged particles, 21:10072 (AD-643812)
  Precision beam energy measurements and the proton magnetic moment, 23:21211
MARION, M. A. Computer assisted cerebral blood flow studies, 25:52144
MARIONI, C. Behavior of interacting fields on the light cone, 22:46497
  Interacting fields on the light cone, 24:1639
  Mass-eigenvalue problem in a neutral pseudoscalar meson theory with indefinite metric, 25:38787
MARIONNI, Paul Search for 3.5-millimeter continuum radiation from infrared stars and related objects, 25:40164
MARIOTTINI, S. Spectrophotometric determination of Cd in nuclear-grade Zircaloy-2 after selective extraction with liquid anion-exchanger, 25:57326
MARIPUU, S. Analog resonances in ^{49}V and ^{51}V, 24:49791
  Analogue to anti-analogue M1 transition probabilities, 24:22231
  Gamma decay of ^{39}K levels, 25:5631
  Negative-parity levels in A = 35, 37, and 39 nuclei, 24:22118
  New levels in ^{55}Co from $^{54}Fe(p,\gamma)^{55}Co$ reaction, 22:48494
  Properties of low-lying ^{53}Mn levels, 25:3617
  Shell-model calculations of M1 transition probabilities from isobaric analogue states, 23:11074
  Titanium-51 ground-state analogue, 25:28226
MARIPUU, Sven Elastic proton scattering on ^{54}Fe, 24:10979
MARIQUE, L. A. Optimization and standardization of principle reactor equipment under water pressure, 22:25010
MARIS, Georgeta Aspects of N—S asymmetry of solar flares, 24:8284
  Aspects of north—south asymmetry of chromospheric eruptions in correlation with geophysical phenomena, 25:43072
  North—South asymmetry of chromospheric flares, 23:27309
MARIS, Humphrey J. Phonon dispersion and the propagation of sound in liquid ^4He below 0.6°K, 24:42620
MARIS, Th. A. J. Charge commutator for any momentum, 23:25628
  Fermion propagator of quantum electrodynamics in an arbitrary gauge, 24:52188
  Infinite renormalizations in quantum field theories, 23:30795
  Lagrangian of quantum electrodynamics, 22:15722
  New formulation of quantum electrodynamics, 22:35079
  Remark on nuclear hole states in quasi-free scattering, 22:16071
  Renormalization and gauge invariance in quantum electrodynamics, 24:52187
  Spontaneous breakdown of current conservation in massless quantum electrodynamics, 24:10818
  Spontaneously broken symmetries, 24:6741
  Spontaneously broken symmetries and current conservation, 21:9823
  Two ways of spontaneous symmetry breaking, 22:3480
MARISCOTTI, M. Automatic analysis of spectra from Ge(Li) detectors, 23:33474 (ANL-7282, pp 233-44)
  PALMUD: program to handle one and two-dimensional spectra, 21:12704 (BNL-10904)
MARISCOTTI, M. A. Empirical method for determining relative efficiency of Ge(Li) gamma-ray detector, 22:333
  Gamma rays from $^{189}Os(n,\gamma)^{190}Os$ reaction, 23:34769 (ANL-7282, pp 19-27)
  Gamma rays from the $^{53}Cr(n,\gamma)^{54}Cr$ reaction, 23:34739 (ANL-7282, pp 312-18)
  Level structure of ^{190}Os, 21:29958 (BNL-11426)
  Method for automatic identification of peaks in the presence of background and its application to spectrum analysis, 21:24227
MARISCOTTI, M. A. J. Correlations between (n,γ) and (d,p) reactions on N = 82 nuclei, 23:15476
  Deviations from the I(I + 1) law in deformed nuclei, 22:20717
  Gamma rays from reaction $^{199}Hg(n,\gamma)^{200}Hg$ and energy levels in ^{200}Hg, 22:9902
  Internal conversion coefficients of high-energy gamma rays, 22:50623
  Level structure of ^{141}Ce from $^{140}Ce(n,\gamma)^{141}Ce$ reaction, 24:40637
  Phenomenological analysis of ground-state bands in even—even nuclei, 23:31075
  PULCAL: computer program to obtain peak energies from channel numbers when a precision pulser has been employed to correct for nonlinearity, 22:40436 (BNL-12622)
  Reaction (n,γ) with a neutron monochromator, 24:7643 (BNL-14110)
  Reaction $^{135}Ba(n,\gamma)$ and level structure of ^{136}Ba, 23:42949
  Reaction $^{137}Ba(n,\gamma)$ and level structure of ^{138}Ba, 22:53202
  Reaction $^{138}Ba(n,\gamma)^{139}Ba$ and evidence for direct capture, 23:37279
  Rotational description of states in closed- and near-closed-shell nuclei, 24:40705
MARIWALLA, K. H. Definite parity number for a fermion, 22:46346
  Dimensionality of space—time, 25:17566
  Does a uniformly accelerated charge radiate, 25:19944
  Tachyon Lorentz transformation, 24:10834
MARJANOVIC, D. I. Bacterial leaching of uranium in Yugoslavia, 25:23674
MARJANOVIC, Milorad Effect of heat treatment on dilute U alloys, 23:43985
MARK, E. L. Direct counting method for studying adsorption of aqueous $^{233}UO_2^{2+}$ onto glass scintillator surfaces, 24:36349 (IN-1396)
MARK, E. v. Pressurized two-electrode spark gap with saturable inductance. I, 22:45215 (IPP-4/54)
  Pressurized two-electrode spark gap with saturable inductance. II, 22:45216 (IPP-4/55)
  Trigger-generator (15 kV) with spark gap, 21:36425 (IPP-4/43)
MARK, Earl Larry Absorption of aqueous $^{233}UO_2^{2+}$ onto glass scintillator surfaces, 25:23586
MARK, G. S. Solubility of complex salts of quaternary ammonium thorium hexanitrates in nitric acid solutions, 21:27968
MARK, H. Conference on macromolecular chemistry, Prague, 8—9/65. VII, 23:31271
  Conference on macromolecular chemistry, Brussels—Louvain, 6/67. II, 23:47561
  Design of intermediate-energy neutron spectrometers and their calibration with photoneutrons, 25:4364
MARK, H. B. Jr. Determination of traces of mercury in biological material by neutron activation, 25:51420
MARK, Hans Cross sections ((p,n) and (p,2n)) of nine elements between 7.0 and 15.0 MeV, 21:9979
  Detection of x-rays from large Magellanic Cloud, 23:20646
  Diffuse cosmic x-ray background between 4 and 40 keV, 22:11169
  Measurements of L_2- and L_3-subshell fluorescence yields in heavy elements, 23:8476
  Nova-like behavior of the x-ray source Centaurus X2, 22:29118
  Observation of Cygnus region with balloon-borne x-ray detector, 22:13189
  Observations of the optical and x-ray spectra of Sco X-1, 23:27272
  Proportional counters and electronic systems for observing cosmic x rays, 21:43248
  Simultaneous observations of optical and x-ray spectra of Sco XR-1, 23:5135
  Solar x-ray and diffuse cosmic x-ray spectra, 24:35232
  Spectral and location measurements of several cosmic x-ray sources including a variable sources in Centaurus, 22:17265
  Spectrum of central star in NGC 5189, 22:36675
  Velocity dependence in the potentials for neutron scattering models, 25:46118
  X-ray intensities and spectra from several cosmic sources, 22:854
MARK, Harry B. Jr. Application of semipermeable ion exchange membranes to in situ determination of trace metal ions in aqueous systems, 23:15819
  Applications of semipermeable ion-exchange membranes to analysis by electrochemical and neutron activation techniques, 21:45051
  Determination of ^{16}O in microcrystalline C by indirect neutron activation analysis, 23:49755
  Micro electrolysis cell, 23:24261
  Neutron activation analysis of trace metal ions, 25:57393
  Neutron activation analysis through electroseparation, 21:5742 (AD-633793)
  Semipermeable ion-exchange membranes as a preconcentration matrix for trace analysis by electrochemical and neutron activation techniques, 23:7496
  Simple, rapid method for determining trace mercury in fish via neutron activation analysis, 25:31850
MARK, Herman F. New composites: morphology and properties, 25:27277
MARK, J. Liquid hydrogen target for SLAC's 30-mA electron beam, 23:28084
  Selected problems and solutions in the design of the SLAC 40-inch H bubble chamber, 21:16118 (CONF-660918-, pp 107-21)
MARK, J. E. Volume dependence of C_2 correction in the Mooney—Rivlin elastic equation of state, 25:26285
MARK, J. L. Methods for predicting turbulent jet mixing, 25:31728 (SC-DR-70-838)
  Sandia 500-kilojoule arc-driven shock tube facility, 24:43904 (SC-DR-70-217)
MARK, J. W. ANL—MURA 30-inch H bubble chamber, 21:16117 (CONF-660918-, pp 106)
MARK, James W.-K. Collective instabilities and waves for inhomogeneous stellar systems. II, 25:58656
MARK, James W-K. Collective instabilities and waves for inhomogeneous stellar systems. I. The necessary and sufficient energy principle, 24:28049
  Rapidly rotating stars. I, 22:21813
  Rapidly rotating stars. III, 23:5105
MARK, John W. Hydrogen targets at SLAC, 25:50474
MARK, Kai-keung Relationship between synthesis of DNA and synthesis of phage lysozyme in E. coli infected by bacteriophage T4, 25:13616
MARK, Lester C. Metabolic studies with deuterated phenobarbital, 21:45788
  Pharmacokinetics of halothane in man, 25:29416
MARK, S. K. Decay of ^{61}Co, 23:19228
  Decay of ^{68}As, 25:59747
  Decay of ^{69}As, 24:26612
  Direct measurement of the primary photoelectron yield in sodium iodide scintillation counters, 22:16880
  Distorted wave Born approximation analysis for reaction $^{12}C(p,d)^{11}C$ at 100 MeV, 23:13207
  DWBA analysis of $^6Li(p,d)^5Li$ and $^7Li(p,d)^6Li$ reactions at 100 MeV, 23:8950
  Levels of ^{75}Se from the decay of ^{75}Br, 24:6871
  Optical model analysis of elastic scattering of 100-MeV protons from light nuclei, 23:3962
  Reactions (p,d) on light nuclei at 100 MeV, 22:5766
  Scattering of 100-MeV protons by ^{11}B and ^{16}O, 24:26589
  Scattering of protons on Li, Be, and C at 100 MeV, 21:5498
MARKAKIS, P. Effect of ionizing radiations on resting conidia of A. flavus, 22:52044
  Gamma irradiation and enriched CO_2 atmosphere storage effects on light-induced greening of potatoes, 23:3002
  Irradiation of cultured mushrooms, 23:20452
  Irradiation of fruits and vegetables, 23:18162 (CONF-681006-, pp 127-33)
  Irradiation of fruits and vegetables, 4/66—12/70, 25:46882 (COO-1592-37)
  Post-irradiation inactivation of horseradish peroxidase, 25:49113
  Prog. rpt. on irradiation of fruits and vegetables, 4/16/66—4/15/67, 22:17061 (COO-1592-10-A)
  Prog. rpt. on irradiation of fruits and vegetables, annual, 4/16/66—4/15/67, 22:33994 (COO-1592-25)
  Prog. rpt. on irradiation of fruits and vegetables, annual, 4/16/67—4/15/68, 24:931 (COO-1592-35)
  Prog. rpt. on irradiation preservation of fresh-water fish and inland fruits and vegetables, final, 8/66, 21:6739 (COO-1283-40)
MARKAKIS, Pericles Radiation-induced glyoxal formation in sugar solutions, 22:51471
MARKANYAN, B. E. Galaxies with an ultraviolet continuum, 23:30278
MARKARD, E. W. Superconducting microwave filters, 22:11347
MARKARIOUS, R. Analysis of Sb-implanted Si by (p,p) scattering and Hall measurements, 21:25176
MARKAR'YAN, A. A. High-voltage multichannel pulse generator, 25:32299 (CERN-Trans-71-6)
MARKARYAN, B. E. Detailed photometric and colorimetric studies of six spiral galaxies in Virgo, 23:1141
  Nature of AR Andromedae, 24:12519
  New variable of the U Geminorum type, 24:23572
  Photometric and colorimetric study of galaxies in constellation Virgo, 22:43721
MARKAR'YAN, B. N. Effects of boundary conditions on transmission of current through a thermal cesium plasma, 21:7050

MARKEE, E. H. Jr. Aerodynamic effects of EBR-II containment vessel complex on effluent concentration, 22:40226 (AECL-2787, pp 87-104)
  Aerodynamic effects of EBR-II reactor complex on effluent concentration, 23:24315
  Prog. rpt. on meteorology for the loss of fluid test reactor, annual, 1/1/66—1/1/67, 22:10375 (IDO-12059)
MARKEE, Earl H. Jr. Parametric study of gaseous plume depletion by ground surface absorption, 22:40253 (AECL-2787, pp 602-14)
  Relative dose factors from long-period point source emissions of atmospheric pollutants, 22:40224 (AECL-2787, pp 59-76)
  Turbulent transfer characteristics of radioiodine effluents from air to grass, 22:40252 (AECL-2787, pp 589-601)
MARKEEV, A. K. Observations of solar radio bursts with high spectral resolution, 25:27398
MARKEEV, B. M. Dynamics of quasilinear relaxation in an unstable inhomogeneous plasma, 21:15200
  Oscillations of a weakly ionized collisional plasma, 24:1459
  Parametric wave excitation in a weakly ionized plasma, 25:49943
  Quasi-linear theory of a collisionless plasma situated in a weak, very-high-frequency electric field and a constant magnetic field, 25:40631 (NP-18885)
MARKELOV, B. A. Admissible radiation doses for long space flights, 25:24338 (JPRS-52402, pp 9-16)
  Allowable radiation dosage during extended space flights, 25:24380
  Biological effect of a 12-time repeated gamma radiation treatment of white mice, 21:16446 (JPRS-38272, pp 231-2)
  Construction of a mathematical model for effective doses under various conditions of chronic irradiation, 22:28485
  Criteria of radiation safety in prolonged space flights, 21:43391
  Development of chromosome rearrangements in the corneal epithelium of mice exposed to a prolonged whole-body gamma-irradiation, 23:29440
  Dynamics of changes in granulocytic reserve of bone marrow of animals exposed to chronic gamma-irradiation, 24:34674
  Epithelium of cornea of mice during general prolonged gamma irradiation, 24:2793
  Erythropoiesis in dogs exposed to gamma irradiation simulating space flights, 25:39927
  Experimental verification of permissible radiation doses upon extended space missions (chronic experiments on dogs), 23:29755
  Sperm production of dogs during chronic γ irradiation, 25:44904
MARKELOV, I. P. Application of multigroup methods for the calculation of neutron flux distributions in inhomogeneous shields, 22:35675
  Methods of calculating fast reactors, 23:52454 (JPRS-48331, pp 82-105)
MARKELOV, V. V. Method for Rem measurements in fields of mixed gamma—neutron radiation, 22:16916
  Use of scintillators for dosimetry of cosmic protons, 24:31683
MARKELOVA, M. N. Toxicity of tritium oxide in rats, 23:47941
MARKELOVA, N. V. Determining the ^{90}Sr content of bones, 25:39794 (AEC-tr-7232, pp 104-11)
MARKELOVA, V. F. Unit for automatic counting and recording of the chromatogram radioactivity, 21:10263
MARKELS, M. Jr. Prog. rpt. on boiling heat transfer with electrical field, final, 2/66, 21:32311 (NYO-2404-76)
MARKER, D. Model dependence of α/sub nn'/ pp bremsstrahlung, and binding energy of nuclear matter, 24:3848
  Proton—proton bremsstrahlung at 20 MeV, 35°: theory, 22:24596
  Proton—proton bremsstrahlung at 3.2 and 10 MeV, 23:5949
  Proton—proton bremsstrahlung calculations, 24:10716
MARKER, David George Proton—proton bremsstrahlung, 22:9627
MARKETOS, D. G. pH dependent increase in yield of available radicals in radiation chemistry of aqueous solutions, 22:37814
MARKETOS, Dennis G. Yield of available radicals in the radiolysis of aqueous solutions, 22:10302
MARKETOS, S. Renal adenocarcinoma: scintigraphic study of primary and metastatic areas, 25:29590
MARKEVICH, G. S. Structure of the zeta-phase in the Be—B system, 21:28780 (MLM-141(tr))
MARKEVICH, S. V. Investigation of the radiolysis of high-polymer glucose, 22:14535
MARKEWITZ, Moshe Radioautography in vitro, 23:41379
MARKEY, W. P. Prog. rpt. on ionosphere probing, final, 1/31/66. I, 21:689 (N-66-23719)
MARKEZICH, R. L. Base-catalyzed hydrogen—deuterium exchange in diene—iron tricarbonyl complexes, 25:2187
MARKHAEVA, D. M. Interaction of uranyl nitrate with dimedon and 1,3-indandione, 22:10228
MARKHAM, J. Regional pulmonary function, 24:29805
MARKHAM, J. J. Homogeneous precipitation of lead molybdate. [Determination of molybdenum], 22:22964
MARKHAM, Jack R. Process for welding nickel to niobium, 21:6782
MARKHAM, O. D. Radiation LD$_{50}$/$_{30}$ of Pikas (Ochotona princeps) in natural environment and in captivity, 24:32179 (COO-1156-32)
  Radiation LD$_{50}$/$_{30}$ of Richardson ground squirrels, 24:32180 (COO-1156-33)
  Radiation LD/sub 50(3)/ of ground squirrels, 24:48682
  Radiation LD/sub 50(30)/ of pikas (Ochotona princeps) in the natural environment and in captivity, 25:6797
MARKHAM, Thomas P. Artificial conjugate auroral and afterglow spectra, 24:35293
  Some airborne night airglow O I latitude observations, 21:43899
MARKHAM, W. Radiation protection and monitoring services at the Bandung Reactor Centre, 23:48059
MARKHASEV, B. I. Nature of the chemical-bond forces in compounds formed by d-transition metals, 25:56386
MARKHOLIYA, T. P. Heats of combustion of silicon carbide and tungsten monocarbide, 24:17363
  Thermodynamics of ZrO_2, MgO, and CaO reactions with high-melting metals, 21:35940
MARKI, A. Gamma-rays and EMS-induced mutations on flax, 24:34272
  Incidence-rate and types of chlorophyll mutants in flax induced by gamma rays and some alkylating agents, 25:27090
  Pollen analysis following γ-ray and EMS treatments, 23:26955
MARKIEWICZ, W. Odd-parity states of ^{16}O with the Hamada-Johnston potential, 21:1030
MARKILLIE, W. R. Technique to evaluate process control and data handling instrumentation, 21:39285 (BNWL-447)
MARKILLIE, William R. Evaluating control and data handling instrumentation for FFTF, 21:35704 (BNWL-SA-1332)
MARKIN, A. I. Titanium-hydride injector, 25:47557
MARKIN, S. A. Experimental research of boiling water reactor stability, 22:35537
MARKIN, T. L. Galvanic cells and gas equilibration techniques, 21:35957
  Galvanic cells and gas equilibration techniques, 22:4116
  High temperature thermodynamic data for UO/sub 2 +-x/, 22:35782
  Thermodynamic and phase studies for plutonium and uranium—plutonium oxides with application to compatibility calculations, 21:32980
  Thermodynamic aspects of $(U,Pu)O_2$ solid solutions and their use as nuclear fuels, 22:31479
  Thermodynamic data for U—Ce oxides, 24:14908
  Thermodynamics of non-stoicheiometric oxide systems, 21:33000
  Thermodynamics of non-stoicheiometric oxide systems, 22:4882
  Uranium—cerium—oxygen ternary phase diagram, 24:14934
  Uranium—plutonium—oxygen ternary phase diagram, 21:41670
MARKIN, Yu. A. Certain problems of classical theory of radiation, 21:44240
  Scattering of electromagnetic waves on neutral Fermi particles, 21:33875
MARKIV, V. Ya. Alloys in Co—$NbCo_2$ system, 22:45787
  Aluminum-rich alloys of Zr—Ni—Al system, 21:22892
  Crystal structure of Zr_3Co, 24:44734
  Hf—Ni—Al system, 24:27795
  Investigation of Al-rich part of Mo—Fe—Al system, 24:23489
  Investigation of Hf—Fe—Al system in region up to 33.3 at. percent Hf, 24:1037
  Investigation of Nb—Fe—Al and Nb—Co—Al systems, 25:8890
  Investigation of phase equilibria and crystal structure of compounds in the system Ti—Fe(Co,Ni)—Si, 23:30183
  Investigation of Zr—Co—Al system, 23:36132
  Investigation of Zr—Fe—Al system, 23:36140
  New ternary compounds in the systems (Sc, Ti, Zr, Hf)—(V, Cr, Mn, Fe, Co, Ni, Cu)—(Al, Ga), 23:38985
  Phase diagram of niobium—cobalt system, 25:2749
  Phase equilibria in the system Mo—Ni—Al, 24:10100
  Phase equilibria in Zr—Nb—Ni ternary system, 22:45786
  RGa_3 compounds in rare-earth metal—Ga systems, 23:41654 (LA-tr-69-17)
  Study of the zirconium—nickel—aluminum system, 25:27258
  Systems zirconium—chromium—aluminum and zirconium—copper—aluminum, 25:45074
  X-ray structural analysis of Nb—Ni—Al alloy, 21:39651
  X-ray studies of Al rich ternary Al—Cu—Cr, Al—Cu—Zr, and Al—Cr—Zr systems and quaternary Al—Cu—Cr—Zr systems, 22:10990
  Zirconium—nickel—silicon system, 21:42172
  Zirconium—niobium—cobalt system, 23:6700
MARKIZA, S. High energy levels of ^{144}Nd excited in the decay of ^{144}Pm, 22:50628
  Transitional nuclei. I, 24:47653
MARKKANEN, E. Noise measurements in a subcritical facility based on photon detection, 25:37086
MARKL, Heinz Production of spherical particles, 23:39023
MARKL, Ilse Distribution of iodide complexes between mineral acid solutions and long-chain secondary amines (Amberite LA-2), 22:18886
MARKL, P. Determination of nitrous acid in purex process solutions. I, 23:2179 (NP-17554)
  Distribution of iodide complexes between mineral acid solutions and long-chain secondary amines (Amberite LA-2), 22:18886
  In-line measurements by colorimetry. I, 23:2182 (NP-17641)
  Rapid and simple method for the determination of tributyl phosphate in kerosene solutions, 23:24065 (NP-17815)
MARKLEY, F. Adhesive and insulating systems for cryogenic and superconducting coils, 23:26579
  Use of chemically doped polystyrene as a polarized proton target material, 21:25369
MARKLEY, F. Landis Physical interpretation of static model parameters, 21:31592 (UCRL-17502)
  Physical interpretation of static-model parameters, 22:11677
  Spontaneously broken SU_3 and massive vector mesons, 23:46780
MARKLEY, F. W. Hydrocarbon proton polarized target, 21:37974
  Plastic scintillators from cross-linked epoxy resins, 23:2602
  Radiation damage studies of ZGS magnet installation and related materials, 23:28077
MARKLEY, Francis Landis Jr. Physical interpretation of static model parameters, 22:24673
MARKLEY, R. A. Fuel-handling system for LMFBR, 24:458
  LMFBR fuel rod design limits, 25:18142
  Open duct cooling-concept for the radial blanket region of a fast breeder reactor, 25:51078
  Sodium vapor deposition in inert enclosures, 24:26753
MARKLEY, Robert A. Lmfbr fuel rod design limits and transient survival criteria, 24:29018 (TID-25419)
  LMFBR fuel rod design limits and transient survival criteria, 25:48267
  Thermal performance of Fermi intermediate heat exchangers (IHX'S), 22:32843
MARKL-MUSYL, I. Ion exchange properties of zirconium and titanium phosphates and their use in the separation of nuclear reaction products, 25:48589
MARKLUND, I. Scattering of low-energy electrons from Cu(III) surface, 22:50003
  Simultaneous LEED and RHEED studies of growth of Zr on W (100) surface, 25:29847
MARKLUND, K. Electronic and magnon specific heat of iron-based tungsten alloys, 25:52958
MARKLUND, K. K. Partial quenching of rare earth moment in cubic Laves intermetallic compounds, 23:30645
MARKLUND, Kari Helium-3-crysotat for specific heat measurements, 25:14212 (UUIP-677)
MARKMAN, E. V. Studies of various additivies acting as thermo stabilizers in irradiated polyethylene, 21:4557
MARKO, A. M. Biological significance of radioactive releases to the environment, 25:55194 (70-CNA-641)
  Neutron dosimetry and damage track detectors, 24:41874 (AECL-3430, pp 1-3)
  Nuclear power and the environment, 25:54016 (A/CONF.49/P-160)
  Radiation protection and nuclear power, 22:42150 (AECL-3067, pp 29-33)
MARKO, A. N. Preventive medicine in the atomic energy industry, 23:50569 (PHS-999-RH-33, pp 87-96)
MARKO, L. Modification of radiation injury in blood, bone marrow, and spleen, 24:14521
MARKO, Libor Modification of protective effect of hypothermia during irradiation of mice, 25:24371
MARKO, Myroslaw Energy absorber for a nuclear plant, 25:10247
MARKO, S. A. CONTEMPT-PS: a digital computer code for predicting the pressure-temperature history within a pressure suppression containment vessel in response to a loss-of-coolant accident, 22:32881
  CONTEMPT-PS: code for predicting pressure-temperature history within pressure-suppression containment vessel, 23:31184 (IDO-17252)
MARKOCZY, G. Convective heat transfer in longitudinal flow through tubes and rod bundles, 25:54866 (EIR-198)
  Core heat transfer and fluid flow in the GCFR, 25:41391
  Core heat transfer and fluid flow in the GCFR, 25:60059 (CONF-710606-14)
MARKOE, A. M. Determination of quality factor through utilization of a balanced, tissue equivalent, ionization chamber, 21:3253
  Toxicity of radioprotective agents to yeast, 23:35778
  Xenon: effect on radiation sensitivity of HeLa cells, 23:12230
MARKOSYAN, V. A. Study of the leukopoietic plasma activity of irradiated rabbits and rats, 24:34655
MARKOV, A. M. Mechanical properties and deformation characteristics of nickel and titanium reinforced with tungsten wire, 25:670
MARKOV, A. S. Compiler realizing FORTRAN language for Minsk-22, 23:21594 (IFVE-SVM-68-30-K)
MARKOV, A. V. Physics of the solar system, 21:11338 (NASA-TT-F-342)
MARKOV, B. N. Excitation of spontaneously fissioning isomeric states of ^{239}Pu and ^{243}Am at inelastic γ-quantum scattering, 25:56738 (JINR-P15-5959)
  Investigation of (γ,n) reactions resulting in production of spontaneously fissible Am isomers, 24:30821
  Investigation of the reaction ^{238}U + ^{11}B leading to a spontaneously fissionable isomer ^{242}Am, 21:17362
  Isomeric cross section ratios in nuclear reaction leading to ^{190}Ir, ^{196}Au, and ^{242}Am, 21:10003 (JINR-P7-3065)
  Isomeric ratios in nuclear reactions with isotopes ^{190}Ir, ^{196}Au, and ^{242}Am in final state, 21:40444
  Production of spontaneously fissible isomer ^{242}Am at thermal neutron capture, 23:47021
  Production of spontaneously fissioning isomers ^{242}Am and ^{244}Am, 25:20412
  Production of the spontaneously fissile isomers ^{240}Am and ^{242}Am in neutron transfer reactions, 21:21564
  Properties of spontaneously fissionable isomer ^{246}Cf, 22:16010 (JINR-P7-3673)
  Properties of spontaneously fissioning isomeric ^{246}Cf, 23:11032
  Properties of spontaneously fissioning isomer ^{241}Pu in reaction (γ,n), 24:38209 (JINR-E15-5071)
  Properties of the spontaneously fissioning isomer ^{241}Pu in the reaction (γ,n), 24:49916
  Search for spontaneously fissionable isomers with nanosecond life time in the reactions with heavy ions, 24:26638 (JINR-P7-5018)
  Spark fission-fragment counter, 25:18671
  Spontaneously fissioning isomer with half-life 10^{-7} sec, 21:10022
MARKOV, G. A. Influence of nonlinear effects on the resonance properties in a gas discharge plasma in magnetic field, 24:51651
  Nonlinear interaction of a plane electromagnetic wave and an inhomogeneous plasma layer, 23:39513
  Resonance of gas-discharge plasma in a magnetic field, 23:10645

- MARKOV, G. N. Cherenkov counter, 24:16861
- MARKOV, G. S. Precipitation of quadrivalent actinides by salts of quaternary ammonium bases, 24:27219
  - Quaternary ammonium bases as analytical reagents. II, 25:54434
  - Solubility of complex salts of hexanitratothorates with quaternary ammonium bases in solutions of nitric acid. III, 24:38855
  - Solubility of salts formed by quaternary ammonium bases with tetravalent actinide hexanitrate anions, 21:5899
- MARKOV, K. P. Use of photographic films for individual radiometry of the daughter products of radon, 25:42171
- MARKOV, Konstantin Petrovich Weight and radioactive concentation of aerosols, 25:18685
- MARKOV, M. A. Closed universe and laws of conservation of electric, baryon, and lepton charges, 23:36853 (JINR-D2-4534)
  - Closed universe and laws of conservation of electric baryon and lepton charges, 24:44955
  - Elementary particles of the largest masses (quarks, maximons), 21:4033 (JINR-E2-2973)
  - Elementary particles with largest possible masses (quarks and maximons), 21:4038
  - Extended particle model in the general theory of relativity, 24:45590 (JINR-E2-5271)
  - Form factors and total cross sections of weak and electromagnetic interactions, 23:25581 (JINR-E2-4370)
  - Friedman theory, 25:9870 (JINR-P2-5289)
  - Mach principle and physical vacuum in general relativity, 24:49599
  - Mu-meson (the μ—e problem), 24:5278
  - Possibility of existence of a quark state of matter in stars, 21:9767
  - Role of gravitation in the elementary particle theory, 25:45807 (ITF-70-99, pp 4-14)
  - Self-energy of particles in general relativity theory, 21:41776
  - Variations in mechanism of isotopic exchange of hydrogen of cyclohexane as function of conditions of NdY zeolite treatment, 23:35064
- MARKOV, M. N. Ionospheric layers in the infrared region of the spectrum, 21:9404
- MARKOV, P. A. Investigation of the thermoelectromotive force and thermomagnetic effect in dysprosium, 23:42499
  - Thermal magnetic effect and thermal emf of Gd at 90 to 250°K, 25:14458
- MARKOV, P. K. Interference of pp nuclear and Coulomb scattering amplitudes at 6 GeV, 21:17040
  - Number of events according to data from two or three independent scannings, 21:16198
  - Real part of elastic p—d scattering amplitude at 1 GeV, 22:29719
  - Slope parameter and ratio of the real to the imaginary part of the forward amplitude of the elastic proton—proton scattering at 30, 50, and 70 GeV, 25:50064
  - Slope parameter of elastic p—p differential cross-section at 50 GeV, 25:53022
  - Small-angle elastic p—d scattering at 1 GeV, 21:21136
- MARKOV, Pavel Spectra and doses of the neutrons of intermediate energies in absorbing hydrogen-containing media, 22:24821
- MARKOV, S. M. Synthesis of polyphosphamides containing 2,2'-diaminodiethyl disulfide (cystamine) residues, 21:10985
- MARKOV, V. I. Production of fast deuterons from the interaction of high-energy protons with nuclei, 25:33996
  - Quasi-elastic high-energy electron scattering on light nuclei, 23:28336
- MARKOV, V. K. Determination of some radionuclides at level below APC in liquid wastes, environmental and biological samples, 25:51383 (A/CONF.49/P-451)
  - Feasibility of destructive methods of determining nuclear fuel in various materials, 25:37269 (LA-tr-71-24)
  - Isolation of ^{229}Th isotope and investigation of its spectroscopic properties, 24:13818
  - Possible uses of destructive methods for the determination of nuclear fuel in various materials, 25:20911
  - Structural properties of metastable β and ω modifications in pure Zr, 23:12349
- MARKOV, Y. V. Novovoronezh Nuclear Power Station operation, 24:24725
- MARKOV, Y. W. Development of nuclear power stations with water moderated and water-cooled reactors in the Soviet Union, 25:54038 (A/CONF.49/P-693)
- MARKOV, Yu. V. Basic operational characteristics of new reactor unit given, 25:34225 (JPRS-53069, pp 25-46)
- MARKOV, Yu. Ya. Scintillator for recording slow neutrons, 25:29336
- MARKOVA, I. A. Alloys of yttrium with dysprosium and holmium, 25:58274
  - Magnetic properties of Dy—Y alloys, 21:20508
  - Phase diagrams and properties of Y—Tb, Y—Dy, and Y—Ho alloys, 21:41609
- MARKOVA, M. Experimental U intoxication, 25:42510
- MARKOVA, N. F. Geometrical reconstruction program for large chambers, 22:38080 (CERN-Trans-67-8)
  - Program of geometrical reconstruction for big bubble chambers (variant 1-6), 22:49113 (ANL-Trans-668)
- MARKOVA, N. G. New datings by radiocarbon of late-quaternary deposits. VI, 24:2300
- MARKOVA, O. P. Hypothyrosis after radioiodine treatment of thyrotoxicosis, 25:32348
  - Volume of circulating blood in radioiodine treatment of thyrotoxicosis, 24:6131
- MARKOVA, S. A. Effect of small quantities of vanadium and tantalum on the structure and properties of niobium, 25:22058
  - Effects of alloying with small amounts of titanium and zirconium on the properties of niobium, 25:37966
  - Influence of vanadium and tantalum in minute quantities on niobium structure and properties, 25:47130
- MARKOVA, S. M. Possibilities for the neutrino beam from 70-GeV protons, 22:11629 (NP-17198)
- MARKOVA, Yu. V. Synthesis of batylol, 22:51849
- MARKOVA, Z. A. Chemical transformation of polyvinyl acetate at its radiation-thermical modification, 21:38965
  - Products formed by radioinduced oxidation of 1-heptene, 23:28883
- MARKOVIC, P. D. Interaction of a helium plasma with an inhomogeneous transverse magnetic field, 25:43355
- MARKOVIC, Petar Stabilized gun for plasma interaction studies, 23:44409
- MARKOVIC, Petar D. Interaction of a helium plasma with an inhomogeneous transverse magnetic field, 25:38426
- MARKOVIC, V. Dosimetric intercomparison measurements in core of reactor ISIS at Saclay, 23:52416
  - New possibilities for routine use of oxalic acid solutions in in-pile dosimetry, 23:7874
  - Pulsed neutron measurements of the kinetics parameters on a research reactor, 22:12116
  - Use of oxalic acid solutions in multimegarad gamma radiation dosimetry, 22:51263
- MARKOVIC, V. M. Pulse radiolysis of oxalic acid and oxalates, 25:23617
- MARKOVIC, Velimir Experimental determination of the resonance integral of silver, 22:44745
  - Resonance absorption cross section for Zy-2 and Zr, 23:44812
- MARKOVIC, Vitomir Radiolytic products in aqueous oxalic acid dosimeter, 23:21751
- MARKOVINA, A. Calculation of self-limiting power excursions, 25:10281
  - Emergency planning at the EURATOM Research Centre, Ispra, 24:7893
  - Risk to population from radioactive discharges to atmosphere at Ispra, 25:39608
- MARKOVITS, E. Hyperthyroidism, 23:45823
- MARKOVITS, G. Activity coefficients of long-chain alkylammonium salts: extractants in non-polar solvents, 22:30518
- MARKOVITS, P. Pituitary ^{90}Y implantations in advanced breast cancer, 24:7973
  - Radiobiological study of the formation of interferon in the kidney cells of monkeys infected with NDV, 25:27113
  - Radiological appearances of lymphograms, 24:17116
- MARKOVITS, Paul Radiobiological study of the replication of Newcastle disease virus and of interferon formation in vitro, 24:9772
- MARKOVITZ, Alvin Dominance of ultraviolet radiation resistance in partial diploids of E. coli K-12, 24:8029
- MARKOVSKI, B. L. Analysis of doublet structure of Q-resonance by Fourier algorithm, 25:25407 (JINR-E2-5656)
  - Determination of Breit—Wigner resonance widths using Fourier algorithm, 25:30849 (JINR-P2-5659)
  - Invariant equations for nonlinear fields and conservation laws, 24:30551
  - Investigation of first baryon resonance by analytic continuation into unphysical region of πN scattering partial amplitude, 23:46720 (JINR-P2-4535)
  - Method of coherent states and diagram technique for dual amplitudes, 24:35616 (JINR-E2-5182)
  - Method of coherent states and factorization of dual amplitudes, 25:20120
- MARKOVSKII, B. L. Search for doublet structure of meson resonances using Fourier algorithm, 25:1497 (JINR-P1-5340)
- MARKOVSKII, E. A. Effect of neutron irradiation on the graphitization of magnesium cast iron, 25:708
  - Effect of neutron radiation on the properties of some metallo-ceramic antifriction materials, 25:45151
  - Effect of radiation on certain characteristics of niobium and its alloys, 23:8256
  - Effects of nuclear irradiation on properties of metals and alloys, 23:12386
  - Influence of neutron spectra on the strength of irradiated steel, 23:1015
  - Radiation effects on certain properties of niobium and niobium alloys, 22:8801
  - Softening of cast iron by irradiation with neutrons, 22:17149 (AD-662789)
  - Weakening effect of neutron irradiation on cast iron, 22:4843
- MARKOVSKII, L. Ya. Boron carbides of alkaline earth and rare earth metals, 21:14877
  - Chemical processes during carbothermal synthesis of alkaline earth metal borides and certain rare earth metal borides, 21:14878
  - Phase transformations of boron on dissolution of beryllium in it, 23:44023
  - Structure of the zeta-phase in the Be—B system, 21:28780 (MLM-141(tr))
- MARKOVSKII, N. V. Positive column of electric discharge in circular track with traveling magnetic field, 24:47076
- MARKOWITZ, Allan H. New metallic-line A stars, 23:39139
- MARKOWITZ, Allan Henry Stars exhibiting composite spectra, 24:21458
- MARKOWITZ, D. Effect of antimony, indium, and zinc impurities on critical-field curve of tin, 23:1348
  - Effect of superconducting energy-gap anisotropy on thermal conductivity of tin, 23:1347
  - Effect of the superconducting energy-gap anisotropy on the thermal conductivity of tin, 22:1109
  - Energy gap and thermal conductivity of pure and impure superconducting tin, 21:15065
  - Thermal conductivity of pure and impure tin in the normal and superconducting states, 23:6684
- MARKOWITZ, David Electrostatic effect and superconductivity in tiny samples, 22:5286
- MARKOWITZ, Eleanor Himoe Gamma ray-induced mutations in Drosophila melanogaster oocytes: the phenomenon of dose rate, 25:11022
- MARKOWITZ, J. M. Corrosion of oxide nuclear fuels in high-temperature water, 24:25764 (WAPD-TM-909)
- MARKOWITZ, Leonard Long life materials for spacecraft, 23:51152
- MARKOWITZ, Samuel S. Determination of oxygen in copper by ^{3}He activation analysis, 24:38781
  - Preparation of isotopic oxygen targets, 24:11480
  - Rapid, nondestructive method of fluorine analysis by ^{3}He activation, 25:23537
  - Simultaneous determination of ^{18}O and ^{16}O isotopes by ^{3}He activation analysis, 22:1965 (UCRL-17812)
  - Surface profile analysis by ^{3}He activation, 24:22615
- MARKOWSKI, B. Economic potential and fuel supply of HTRs, 23:37512
  - High power density: high temperature reactor, 24:41030 (EUR-4328)
  - Plutonium fuel in the THTR, 23:21443
- MARKOWSKI, Baldur Optimization of fuel cycle and core sectioning of a 2500-MW(th) thorium high-temperature reactor with multizone loading, 25:57060 (JUL-736-RG)
- MARKS, A. P. Moata transfer function, 23:11268 (AAEC/TM-481)
  - Studies of beryllium oxide-moderated reactors using minimal quantities of material, 22:22835
- MARKS, Asher Archaic methods of regional ventilation, 25:4665
  - Technic for transfer of ^{133}Xe, 22:28589
  - Ventilation-perfusion relationship in humans measured by scintillation scanning, 23:6495
- MARKS, C. L. Characteristic Lyman-α emission from protons neutralized in a solid, 21:2677
  - Production efficiencies of x-ray emission spectra by proton bombardment, 21:13404
  - Production efficiencies of x-ray emission spectra by proton bombardment, 23:27329
  - X-ray analysis by proton bombardment, 22:11 (ORNL-IIC-10(Vol.2), pp 587-612)
  - X-ray analysis of thin films by proton bombardment, 22:10616
- MARKS, D. Disquiet over West German reactors, 25:10097
- MARKS, Dennis W. Behavior of the angular velocity near the surfaces of stars with radiative envelopes, 25:30088
- MARKS, Dennis William Rotation of viscous polytropes, 25:22278
- MARKS, Friedrich Isotope content of oligonucleotides of nuclear and nucleolar RNA of rat liver, 24:34055
- MARKS, J. Spectrographic determination of traces of tellurium, 25:44326
- MARKS, J. E. Technique for imaging patient treatment area during a therapeutic radiation exposure, 25:24298
- MARKS, Jerry Y. Spectrophotometric determination of tungsten as the tungstate by heteropoly acid formation, 22:22979
- MARKS, Jnr Thyroid ablation in young mice, 25:35084
- MARKS, Maria H. Determination of niobium and tantalum by chromatographic method, 25:2066 (NIM-834)
- MARKS, N. Excitation and elimination of the delay line modes of resonance in the magnet power supply system of a fast cycling electron synchrotron, 22:11792
- MARKS, R. Stress history measurements: Hardhat Event, 22:19000 (UCID-15283)
- MARKS, R. E. Measurements of subsurface and close-in surface dynamic effects, 24:36446 (PNE-964)
  - Short time interval frequency measurements of a continuously changing sine wave, 21:22062 (UCRL-50188)
- MARKS, Robert E. Analysis of Marvel: nuclear shock-tube experiment, 25:34765
- MARKS, S. Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
  - Tissue analysis for plutonium at autopsy, 23:24649
- MARKU, G. Electrophoretic method for separation of microquantities of Pm, Pu, Am, and Cm from macroquantities of U, 21:39006
- MARKU, T. Electrophoretic method for separation of microquantities of Pm, Pu, Am, and Cm from macroquantities of U, 21:39006
- MARKULOV, V. I. Calculation of the statistical characteristic of the stochastic temperature field in plates during turbulent heat exchange, 22:21277
- MARKUN, Francis Thorium and uranium in blood, urine, and cigarettes, 25:20945 (ANL-7760(Pt.2), pp 47-52)
- MARKUN, Frank Natural thorium in human bone, 25:16011
  - Natural thorium in human bone, 24:27503 (ANL-7615, pp 56-8)
  - Thorotrast: an intraperitoneal injection, 24:31811 (ANL-7489, pp 30-3)
- MARKUS, A. M. Influence of weak deformation of Cu films on channeling of protons, 25:14421
- MARKUS, B. Different radiation sensitivity throughout cell cycle, 23:29453
  - Electron degradation and biological effects, 24:44621 (EUR-4452, pp 801-12)
  - Problems of high-energy electron dosimetry, 23:50496
- MARKUS, Benno Design of ^{60}Co laboratory irradiation installation using discarded 1000-Ci therapy apparatus, 21:45316
  - Determination of depth dose curves for soft x rays, 22:40713
  - Dosimetry for betatrons, 23:50489
  - Efficiency difference of 14.2 MeV electrons and 200 kV x radiation on undifferentiated division tissue, 21:45605
  - Physical and biological depth dose curves for fast electrons, 22:51689
- MARKUS, G. Band mixing in ^{167}Er, 24:30817
  - Coincidence experiments for neutron capture reactions, 21:44667 (KFK-562)
  - Configuration mixing in ^{169}Yb, 23:1902
  - Investigation of reaction ^{164}Dy(n,γ)^{165}Dy, 21:46771
  - K-forbidden gamma-ray transition probabilities in odd-mass rare-earth nuclei, 24:43345
  - Mixed configurations in ^{169}Yb, 22:46769 (ORNL-tr-1954)

  Nuclear structure studies with radiative neutron capture, 22:3698 (KFK-616)
  Nuclear structure studies with radiative neutron capture, 22:26999
  Theoretical structure level and absolute transition probabilities in deformed nuclei of uneven mass numbers, 25:31308 (KFK-1248)
MARKUSCH, H. Diffusion experiments from an elevated continuous point source, 22:6481 (BMwF-FBK-67-73)
MARKUSCH, Peter Reactions of recoiling Si atoms with phosphine, silane, and disilane, 25:2299
  Reactions of recoiling silicon atoms with phosphine silane and disilane, 25:188 (COO-1713-16)
MARKUSEN, Aletha S. Survival of micro-organisms in space, 22:33988
MARKUSHIN, S. G. Fate of influenza virus RNA in cells treated with ultraviolet rays, 24:34578
MARKUSSEN, Erik Kjaer Radiochemical procedures for the determination of plutonium in environmental samples, 24:31241 (RISO-M-1242)
MARKVART, J. Optimization of main parameters of fuel assembly for A2 reactor, 24:20477 (UJV-2046-R)
MARKVART, Ya. Fast reactors in Czechoslovak nuclear power engineering, 23:52307 (JPRS-48330, pp 12-17)
MARKWELL, B. D. Displacement appliances in radiotherapy, 23:20306
MARKWELL, R. F. Wide-range measurements of neutron flux and reactor power by pulsed ionization chamber technique, 25:39731
MARKWORTH, A. J. Extension of the least squares procedure by iterative techniques, 25:32815
  Interpretations of fission gas behavior in refractory fuels, 24:7356
  Interpretations of fission gas behavior in refractory fuels, 24:46133
MARKWORTH, Alan J. Diffusional growth of stationary gas bubbles in solids, 23:3013
  Fission-induced porosity in irradiated UN, 23:36277
  High-temperature creep of uranium dioxide, 25:52438 (BMI-1912)
  Phenomenological study of radiation-effects data using multiple regression analysis techniques, 22:31431
  Theory of bubble migration applied to irradiated materials, 23:48577
MARKWORTH, Alan John Spin-dependent scattering of thermal neutrons from polarized nuclei in magnetically ordered solids, 24:45722
MARKYTAN, M. Application of Veneziano model including spins to reaction $k^+p \rightarrow K^{*+}(890)p$, 25:56511
  Fit to $K^*(890)N$ production, 23:27810
  Pion trajectory in processes $\pi^+p \rightarrow$ rho$^0\Delta^{++}$ and $K^+p \rightarrow K_{890}^{*0}\Delta^{++}$, 24:20163
MARLBOROUGH, J. M. Models for envelopes of Be stars. III, 25:55709
  Models for the envelopes of Be stars, 23:22735
  Models for the envelopes of Be stars. II, 24:15015
  Radiation pressure and accelerating stellar winds, 25:55712
  Results for Pleione's shell episode, 1938—1954. 25:13794
  Selective excitation in the flare of August 7, 1958, 24:4945
  Spectrum of gamma Cassiopeiae from 1911 to 1966, 22:49912
  Supersonic stellar winds in early-type stars, 24:23606
  Support of the envelopes of Be stars, 22:26127
MARLE, C. Grad method extension to solving the relativistic Boltzmann equation, 25:11901
MARLE, Charles New family of polynomials which generalizes Hermite—Grad polynomials, 21:7384
MARLEY, J. A. Jr. Photoelectronic properties of ion-implanted CdS, 24:32930
  Type conversion and p—n junction formation in ion-implanted ZnTe, 23:25439
MARLEY, J. L. Spectrographic analysis response of a carrier to plutonium—uranium mixed oxides, 25:4015 (NUMEC-3524-76)
MARLEY, Jack L. Water and steam corrosion characteristics of mixed Pu—UO pellets, 21:1927 (NUMEC-3463-13)
MARLEY, P. B. Passage of ^{22}Na into uterine lumen of rat, 21:39330
MARLEY, W. G. Risk evaluation in relation to the protection of the public, 24:7872
MARLIER, S. F. Experimental apparatus to investigate transient nonlinear effects in a plasma, 25:40604
MARLIN, H. Removable head for pneumatic device, 25:13203
  Reprocessing of enriched uranium alloys, 24:44063 (CEA-N-1292, pp 139-59)
  Treatment of enriched uranium alloys, 23:13816 (CEA-CONF-1193)
MARLIN, Henri Detachable head for a pneumatic system, 25:2427
MARLING, John B. Dye laser performance enhancement by chemical quenching of the triplet state, 25:57288 (UCRL-51088)
MARLOW, C. G. Plutonium removal from mice, 24:695
  Simultaneous measurement of ^{51}Cr and ^{14}C by liquid scintillation counting, 25:31841
MARLOW, K. W. Capabilities for nonnuclear applications with nuclear facilities at NRL, 22:37211 (AD-660658)
  Decay of /sup 73g/Se and /sup 73m/Se, 23:40018
  Determination of antimony in standard rocks by instrumental neutron activation analysis, 25:48490
  Radioactive decay of ^{83}Se, 22:3657
MARLOW, Keith Winton Radioactive decay of ^{83}Se, 21:40418
MARLOW, W. F. Standard reference materials for the analysis of environmental samples, 25:31822
MARLOW, William F. Determination of trace elements in glass by activation analysis using hydrated antimony pentoxide for sodium removal, 25:8223
MARLOWE, M. O. Elastic behavior of uranium dioxide, 24:10169
  Fission gas re-solution rates. Quarterly report No. 2, October 1—December 31, 1970, 25:42952 (GEAP-12188)
  Fission gas re-solution rates. Quarterly report No. 3, January 1—March 31, 1971, 25:42953 (GEAP-12189)
  Fission gas re-solution rates: limitations of fission gas bubble growth by the re-solution process, 25:30032 (GEAP-12148)
  High temperature isothermal elastic moduli of UO_2, 24:4785
  Limitations to bubble growth by the resolution process, 25:40107
  Prog. rpt. on fission gas re-solution rates, 7—9/70, 25:13780 (GEAP-12147)
  Prog. rpt. on fission gas re-solution rates, 4—6/71, 25:58411 (GEAP-12217)
  Tracer study of surface diffusivity of UO_2, 22:19638
MARLOWE, O. J. Computer utilization in nuclear reactor design, 25:44090 (WAPD-T-2358)
  Experiences in producing a modular computer program, 21:17559 (WAPD-T-1975)
  FINK/PANTRY data storage and retrieval system for a computer, 21:35829 (WAPD-TM-710)
  MANE1: computer program to solve rectangular magnetic network, 23:52518 (WAPD-TM-790)
MARMER, E. N. High-temperature materials, 25:42853
MARMER, Eduard Nikitovich High-temperature materials, 22:31360
MARMER, G. J. Deeply inelastic proton—proton collisions, 24:8565
  Low-momentum particles from 12.3-GeV/c protons on beryllium and copper, 23:25523
  Pion production from Be at 3° by 12.3-GeV/c protons, 25:22683
  Resonant extraction at Zero Gradient Synchrotron (ZGS), 25:50536
  Zero Gradient Synchrotron (ZGS) H^- ion source, 25:50288
MARMER, Gary James Differential production cross sections of low momentum particles from 12.3 GeV/c protons, 23:8732
MARMET, P. High-resolution electron beams and their application, 24:21592
  Natural line shapes resolved in ionization yield of He^+, 25:43139
  Near 100 percent efficiency ion detector for use with quadrupole mass filter, 21:4733
  Threshold behavior of cross section for ionization of He and Ar by monoenergetic electrons, 23:16671
MARMET, Paul New type of monovelocity electron source, 23:5211
MARMIER, P. An improved source of polarized negative hydrogen ions using a potassium vapor charge-exchanger, 22:29789
  Breakup of deuterons with 14.1-MeV neutrons, 22:48445
  Capture of protons by deuterons, 22:9772
  Charge exchange collisions between H ions and alkali vapor, 24:28093
  Charge exchange of low-energy protons in potassium vapor, 22:34283
  Charge exchange of low-energy protons and deuterons in alkali-metal vapors, 23:41977
  Deuteron break-up by 14.1-MeV neutrons, 21:44556
  Deuteron-alpha elastic scattering, 24:49696
  Elastic scattering of heavy ions, 22:26836
  Elastic scattering of vector polarized deuterons on ^{4}He, 23:49316
  Energy dependence of proximity scattering, 24:1764
  Energy dependence of proximity scattering, 25:45934
  Heavy ion transfer reactions in region of Coulomb barrier, 24:49737
  Heavy-ion reactions induced by ^{16}O, ^{18}O, and ^{19}F ions, 24:20335
  Measurement of tensor moments (iT_{11}), (T_{20}), (T_{21}), and (T_{22}) in d—^{3}He elastic scattering, 25:53564
  One- and two-neutron transfer reactions induced by ^{18}O and ^{19}F ions, 22:48460
  One-neutron transfer reactions, 25:5577
  Phase-shift analysis of d—α elastic scattering, 25:53585
  Polarization of protons inelastically scattered on ^{24}Mg, ^{52}Cr, and ^{58}Ni, 25:53720
  Production of a highly polarized negative deuterium beam, 21:19113
  Protons scattered on ^{24}Mg, ^{52}Cr, and ^{58}Ni, 25:5632
  Scattering of 14.1-MeV neutrons by ^{16}O and ^{18}O, 24:1749
  Source of polarized hydrogen ions for tandem accelerator of ETH, 24:18316 (CONF-680461-2)
  Study of the depolarization of a polarized deuterium beam by charge exchange in potassium vapor, 21:21356
  Tensor moments (iT_{11}), (T_{20}), (T_{21}), and (T_{22}) in deuteron—alpha elastic scattering between 3 and 11.5 MeV, 25:53584
  Total cross section of the reaction ^{16}O(d,n)^{17}F, 23:3961
MARMIER, P. M. Deuteron—alpha elastic scattering, 24:49697
MARMIER, Pierre Physics of nuclei and particles. I, 23:40159
  Physics of nuclei and particles. II, 25:12662
MARMILLON, R. Machining of graphite, 22:7038
MARMION, B. P. Immunochemical analysis of mycoplasma pneumoniae. III, 23:38397
MARMONIER, P. Development in France of components of sodium circuits for sodium-cooled fast reactors, and future perspectives, 24:43689 (CONF-700307-5)
  Development in France of the core technology of sodium-cooled fast reactors, 24:52920
MARMONIER, Pierre Handling arm for fuelling reactor, 24:38639
MARMOR, Leonard Antigenicity of irradiated and nonirradiated pheripheral nerve, 24:34168
  Electrophysiologic recordings in peripheral nerve heterografts, 22:51933
  Irradiated experimental nerve heterografts pretreated with specific antiserum, 22:51364
  Nerve heterografts in irradiated animals with Imuran immunosuppression, 23:7952
  Prevention of nerve homograft rejection by immunosuppressive drugs, 22:40951
  Protective effect of irradiation combined with sheathing on experimental nerve heterografs, 22:49496
MARMOR, M. Hyperfine fields at ^{42}Ca in ferromagnetic metals and the g factor of 3.19-MeV 6^+ state, 24:51835
  Recoil-distance lifetime measurements for states in ^{30}P, 25:31279
MARMORSHTEIN, S. Ya. Clinical assessment of radiopneumonography with ^{133}Xe in confrontation with angiopulmonography and electrokymography, 23:29631
MARMUR, R. K. Vulnerability of the retinal membrane of the eye to x rays, 21:6663
MARNAY-GULAT, C. Effect of ionizing radiations on vitamin K in pure solution, 22:43272
  Effects of irradiation on C, K, and B vitamins, 22:40550
MARNER, W. J. Heat transfer to a Bingham plastic in the entrance region of a circular tube, 25:18588
MARNET, C. Economic exploitation of gas-cooled reactors, 23:37453
  Training of nuclear engineers in the Federal German Republic, 24:9218
MARNET, C. H. German AGR, 22:53338
MARNET, Ch. Erection of primary circuit of an AGR, 23:28433
MARNET, Chrysanth Nuclear power stations in populated areas, 22:30195
  Progress of gas-cooled reactors, 23:15563
MAROCCIA, Ettore Content of ^{90}Sr in milk in various regions, 25:32349
MAROCHNIK, L. S. Class of quasi-integrals in stellar dynamics, 21:5041
  Collective phenomena in stellar systems and the problem of relaxation, 22:52456
  Dynamics of the collisionless gravitating systems, 22:31542
  Gravitation stability of rotating anisotropic stellar systems, 23:5191
  Hydrodynamics of rotating stellar systems, 21:16734
  Origin of the spiral structure of the galaxies, 23:41876
  Rest mass of a photon, 22:45906
  Ring structure in disk galaxies, 24:15110
  Role of the magnetic field in a wave theory of the spiral structure of galaxies, 24:39795
  Spiral structure of galaxies, 25:43081
  Spiral structure of galaxies. II, 24:12609
  Sprial structure of galaxies. I, 23:51314
  Stellar motion in the gravitational field of condensing interstellar gas, 23:36454
  Test star in a stellar system, 22:29100
  Thermodynamic irreversibility and relaxation in galaxies, 24:42488
MAROIS, Maurice Teratogenic action of x rays on the rat embryo. II, 21:28656
  Teratogenic action of x rays on the rat embryo. I, 21:34644
MAROLI, C. Collision-induced amplification effects in a slightly ionized plasma, 24:26210
  Dynamics of weakly ionized gases, 21:23193
  Effects of inelastic collisions in low-temperature, diffusion-dominated discharges, 23:12837
  Electromagnetic wave propagation in a weakly ionized plasma, 21:13558 (AGARD-CP-8(Vol.2), pp 587-618)
  Electromagnetic wave propagation in weakly ionized plasma. II, 21:29256
  Interaction of electromagnetic fields with warm slightly ionized magnetoplasmas, 23:12904
  Multiple-times technique applied to the nearly linear propagation of a long-wave packet in a dispersive plasma, 25:30622
  Negative conductivity in a neon plasma, 22:22181
  Penetration of high-frequency electromagnetic waves into a slightly ionized plasma, 23:32509
MARON, K. Development of orthotopically transplantated male germinal cells, 23:33868
MARON, N. Photometric and spectrophotometric observations of Nova Delphini 1967, 22:26107
  Statistical population indices of class M long period variables, 22:24014
MARONGIU, Antonio Elimination of ^{131}I in milk of sheep, 22:10702
  Iodine-131 in thyroid and blood and its elimination in milk of sheep, 22:10701
  Mammary insufflation and passage of radioactive calcium from the milk to blood, 21:10758
MARONI, C. Experimental evidence against the existence of a bound state of three neutrons, 21:21411
  Mean lifetime of 10.94-MeV state of ^{14}O, 23:19188
  New type of neutron spectrometer in the energy range 1 to 100 keV, 24:2488
  The neutron—neutron scattering length from reactions with tritium targets, 22:15942
  Use of a checker board counter in blocking experiments, 25:18679
MARONI, E. Experiences with /sup 99m/Tc placentography, 23:38660
MARONI, V. A. Prog. rpt. on development of high-energy batteries for electric vehicles, semiannual, 2—6/70, 25:16405 (ANL-7756)
  Prog. rpt. on physical chemistry of liquid metals and molten salts, semiannual, 1—6/71, 25:58387 (ANL-7823)
MAROPIS, Nicholas Fluid sensing, 21:30759
  Method and apparatus for detecting imminent boiling, 21:20014
MAROSI, L. Investigations on catalytic dehydration on finely divided α-boron, 21:40862
MAROSKE, D. Excretion of ^{131}I in the bronchotracheal secretion of laboratory animals, 22:431
MAROSKI, T. Effect of placental preparations and of bee's milk on the evolution of acute radiation sickness in albino rats, 25:46891

MAROSVARI, I. Isotopnephrographic studies in orthostatic-proteinuric children, 24:19337
MAROTO, J. Drying capacity of a gas in closed cycle, 22:2300
Materials for liquid sodium circuits, 22:37479
Periodic inspection of reactor vessels, 24:27305
MAROTTA, C. MCR critical experiments program, 22:32923 (GMAD-3078-27)
MAROTZ, R. Analysis of cerium in cerium-stabilized steel, 21:1281
MAROUBY, Roger Safety of MELUSINE after raising power to 4 MW, 22:22806 (CEA-R-3131(Vol.1))
Safety of MELUSINE after raising power to 4 MW, 22:22807 (CEA-R-3131(Vol.2))
MAROUCHIAN, K. Isobaric analog states in ^{143}Eu, 21:1097
MAROUDAS, N. G. Ultraviolet irradiation studies on the cytoplasmic determinant of the yeast mitochondrion, 23:2809
MAROUN, David Triton wave function in Feshbach—Rubinow approximation, 25:12364
MAROV, I. Electron spin resonance evidence for cations Cd_2^{3+}, $AgCd^{2+}$, and $AgHg^{2+}$, 24:38945
Unstable intermediates. LXXXII, 25:15684
MAROV, I. N. Adsorption of pentavalent protactinium on silica gel from acid solutions, 21:8321
Formation of ClO_4 and ClO_3 radicals in gamma-irradiation of frozen aqueous solutions of potassium perchlorate and perchloric acid as determined by EPR, 25:37433
MAROV, M. Ya. Temperature and density of the thermosphere in the period of profound minimum of solar activity, 22:29372
MAROVA, Yu. M. Programming for dosimetry of devices for x radiation therapy, 23:31785
MAROVICH, E. Conjugate optical measurements, 22:38928
Nightglow (5577-A) and atmospheric movements, 23:34340
Observations during middle-latitude red arc, 23:44321
Reappearance of a stable auroral red arc at midlatitudes, 22:36841
Recent occurrences of stable auroral red arcs, 24:47118
MAROVSKI, T. Effect of lactic casein on the course of radiation sickness in white rats, 21:45687
Prophylactic effect of AET in combination with bee milk in acute radiation sickness, 23:851 (JPRS-43628)
Protective effect of micelle of high fungi upon acute radiation sickness, 23:35780
MAROWSKI, T. Radiation injury of the skeleton following x-ray therapy, 23:31985
MAROWSKY, G. Sensitivity ranges in neutron activation analysis of some rare trace elements (Cd, Hg, Tl, Bi) in silicate samples, 25:54489
MAROWSKY, Gerd Determination of cadmium, mercury, thallium, and bismuth in terrestrial rocks by neutron activation analysis, 25:54454
MARPLE, L. W. Sorption characteristics of common metals from water-dimethyl sulfoxide-hydrochloric acid mixed solvent, 23:11625
MARPLE, Virgil Alan Fundamental study of inertial impactors, 25:1988 (COO-1248-21)
MARPLES, J. A. Uranium monophosphide and solid solutions with U monosulphide, 24:40185
MARPLES, J. A. C. Creep of UO_2 and $(U,Pu)O_2$, 25:11497
Effect of alloying additions on lattice parameters of α-U, 25:14452
Length changes in actinide metals due to self-irradiation damage at 4°K, 25:11468
Length changes in α-Pu during self-irradiation damage below 4.2K, 25:22120
Low-temperature thermal expansion behaviour of α-U, 22:38991
Preparation, melting point, and thermal expansion of Pa, 21:9094
Structures of UN, UP, US, and USe at cryogenic temperatures, 25:14454
MARPLES, T. G. Influence of gamma irradiation on oak—pine forest, 22:45471
Radionuclide tracer study of arthropod food chains in a Spartina salt marsh ecosystem, 21:8750
MARQUARDT, C. L. Hydrazine-like defect, $N_2H_4^+$, in irradiated ammonium halides. II, 24:50433
MARQUARDT, Charles L. Hydrazine-like defect, $N_2H_4^+$, in irradiated ammonium halides. I, 24:50435
Paramagnetic resonance of a hydrazine-like defect in irradiated ammonium chloride crystals, 23:23287
Paramagnetic resonance of I_2^- centers in PH_4I single crystals, 22:20056
MARQUARDT, E. Peculiarities in the welding of Ti, Zr, and Mo, 23:41586
MARQUARDT, H. Chromosome arrangement and radioinduced chromatid aberrations in Bellevalia romana, 21:20121
MARQUARDT, K. Experimental studies with HeLa cells using fast electrons and x rays, 21:394
MARQUARDT, N. Direct eight-nucleon transfer reaction and multiparticle excitation of ^{20}Ne, 25:38896
Effect of core spin on exchange of nucleons in scattering of ^{14}N on ^{12}C and ^{13}C, 25:22979
Isobaric analogue resonances in heavy nuclei and Coulomb displacement energies, 22:3753 (INP-555/PL/PH, pp 155-61)
Spin determination of isobaric analogue resonances in ^{209}Bi and ^{207}Bi, 23:21353
MARQUARDT, R. F. Amplifier/discriminator/limiter for proportional mode wire chambers, 24:29573
Computer evaluation of proportional wire chamber designs, 24:36619
Fast, wire-plane profile monitor for extracted proton beams, 23:21212
MARQUARDT, W. Effect of cloud on the radioactive contamination in the biosphere, 23:21825
Influences on natural radioactivity in the layer of air near the ground, 22:35945
Local influences on artificial radioactivity in the biosphere, 22:12444
Radioactive contamination in biosphere, 23:40883
MARQUE, Y. Dismantling of high-activity cells, 24:20965 (CEA-CONF-1425)
Management of solid wastes at the Saclay Center, 25:21360
MARQUE, Yves Equipment for measuring radioactivity as discharged in the form of effluents, 22:40375
MARQUEDANT, R. Probing the solar corona with spacecraft radio signals, 25:22300 (N-71-10291)
MARQUES, A. Determination of the source eccentricity in angular correlation experiments, 21:24209
MARQUES, J. Study of short lived Rb and Cs isotopes, 22:27168
MARQUES, P. Effect of radiotherapy on plasma lipids in cancer patients, 23:22346
Study of tissues after radiotherapy, 24:48649
MARQUES, R. New colloidal chromic radiophosphate (^{32}P) for local irradiation of central nervous system, 21:10925
MARQUES, R. O. Step-annealing study of neutron irradiated chromates, 24:2242
Use of electrophoresis in thin films for control of the radiochemical purity of tracer compounds, 25:2062 (CNEA-271)
MARQUES DE SOUZA, J. A. Nuclear power forecast for Brazil, 25:53955 (A/CONF.49/P-802)
United Kingdom reactors available for commercial operations, 25:28720
MARQUES DOS SANTOS, O. Polarization changes with time during solar microwave impulsive bursts, 25:893
MARQUES DOS SANTOS, P. Experimental results from measurements performed during the Nov. 12, 1966 total solar eclipse with a 4.28-cm radio polarimeter, 22:4986
Inversion in sense of circular polarization with respect to frequency for solar microwave bursts, 25:45246
Observations with a 7-GHz polarimeter, 24:37136
Polarization and intensity distribution of solar bursts at 7 GHz, 23:3220
Possible emission of polarized microwave radiation from the solar hemispheres, 23:22840
Reversals of circular polarization during microwave solar bursts, 24:21503
Three years statistics of simple 3 solar bursts, 25:35724
MARQUESTE, Ph. Automatic analysis of information from magnetostrictive chambers, 21:45357 (LYCEN-6738, pp 93-107)
Processing of information from a magnetostrictive spark chamber, 23:47839
MARQUET, L. C. Spectral-line profiles for a fast-ion-beam source, 21:37174
MARQUET, Marc Fuel element, 25:23291
MARQUET-ELLIS, Hubert Complexes MF_6, nNaF (M = U, W, Mo), 23:24141 (CEA-R-3732)
MARQUETON, Y. Optical absorption of single crystals of CaF_2 irradiated by x rays, 24:5202
MARQUETTE, J. P. Efficiency of ^{6}Li glass scintillator by associated particle method, 24:44286
Fission cross-section for ^{235}U and ^{239}Pu between 0.025 and 1 MeV, 25:15068
New absolute measurement of neutron-induced fission cross sections of ^{235}U, ^{239}Pu, and ^{241}Pu from 17 keV to 1 MeV, 25:53733 (CONF-701002-, pp 257-71)
MARQUEZ, H. Electron-beam welding of Mo, 25:22029
MARQUEZ, L. Analysis of spectra of α particles in reactions $d + {}^7Li = n + 2\alpha$ and ${}^6Li + t = n + 2\alpha$, 21:25463
Effects of resonances in ^{12}C on emission of α particles in reaction $^{11}B(p,3\alpha)$, 23:19197
Interpretation of $d + {}^{10}B$ reaction at 270 keV through Feynman diagrams and dispersion theory, 23:3952
Mechanism of three alpha particle emission in $^{11}B(p,3\alpha)$ at 1.98 MeV and $^{10}B(d,3\alpha)$ at 1 MeV, 24:33115
Reaction $^{11}B + p \rightarrow 3\alpha$ at E/sub p/ = 7.18 MeV, 21:23423
Reaction $^6Li(^6Li, \alpha)2\alpha$ between 4 MeV and 24 MeV evidence for quasimolecular state ^6Li—^6Li, 24:22072 (CEA-CONF-1456)
Reaction $^6Li(^6Li,\alpha)2\alpha$, 24:49715
Reaction $p + {}^{11}B \rightarrow 3\alpha$ at 1.4 MeV by method of coincidences, 23:15368
Study of reaction $^{10}B(d,3\alpha)$ at 270 keV, 22:7657
MARQUEZ, Luis Angular distribution of α_0 particles emitted during reaction $d + {}^{10}B \rightarrow \alpha_0 + {}^8Be$, 22:18149
Continuous spectra produced by nuclear reactions with light nuclei, 21:15484 (CEA-R-3009)
Effect of resonance at 2.65 MeV on reaction $^{11}B + p \rightarrow 3\alpha$, 21:40375
Spectrum of α particles of $^{10}B(^6Li,\alpha)3\alpha$, 24:47570
MARQUEZ MONTER, Hector Chromosome studies of radiologists and technicians in radiological laboratory, 25:44959
MARQUIARDT, E. Zirconium—niobium alloy weldments, 25:42831
MARQUIE, Mme Solution of transport equation by Monte Carlo method, 23:44814
MARQUIT, Bela Radiated homogenous cartilage in rhinoplasty, 21:45525
MARQUIT, E. Enhancements ($rho^- \pi^-$) produced by 2.3-GeV/c negative pions in deuterium, 23:7081 (COO-1764-17)
Enhancements in π^-d interactions at 2.26 GeV/c, 23:8735 (COO-1764-22)
Further evidence for the H meson, 21:3995
$I = {}^5/_2$ baryon resonance of mass 1640 MeV/c^2, 23:25532
Observation of backward eta production, 24:10686
Observation of the decay eta' $\rightarrow \gamma\gamma$, 25:9651 (COO-1764-111)
Peripheral backward multipion production at 2.15 GeV/c, 23:44602
Pi^-p charge exchange at high momentum transfers, 23:13031 (COO-1764-21)
Pi^-p charge exchange at high momentum transfer, 23:30715
π^-p charge exchange at backward angles, 25:9653 (COO-1764-113)
Reaction $\pi^- + p \rightarrow \pi^+ + \pi^- + n$ at 2.36 GeV/c, 21:17058
Reaction $\pi^-p \rightarrow \gamma\gamma n$ at 3.65 GeV/c, 25:53003
Reaction $\pi^-p \rightarrow n\pi^+\pi^-$ at high momentum transfer, 25:9654 (COO-1764-114)
Study of reaction $\pi^- + p \rightarrow \pi^+ + \pi^- + n$ at 2.36 GeV/c, 21:17050
MARQUIT, Erwin Comment on evidence for the H meson, 25:3286
Isobar production in reaction $\pi^- + n \rightarrow p + \pi^- + \pi^-$ at 2.26 GeV/c, 24:12958
MARR, D. R. Discrete ordinates study of neutron attenuation in sodium, 23:4199
Fast reactor library for use with RIBD, 21:23712 (BNWL-CC-868)
FTR shield design cross sections, 24:5542 (BNWL-1197)
PHYSICS CHAIN, a reactor analysis code, 1107 Manual, 21:27825 (BNWL-413)
User's manual for 2DBS, diffusion theory shielding code, 24:16308 (BNWL-1291)
MARR, G. Polarization of protons from the $^9Be(d,p)^{10}Be$ reaction, 21:4217
MARR, G. V. The photoionization absorption continua for alkali metal vapours, 22:29201
MARR, Geoffrey Light from electrons, 25:33918
MARR, Geoffrey V. Photoionization processes in gases, 21:37182
Plasma spectroscopy, 23:39447
MARR, George Polarization of protons from $^{12}C(^3He,p)^{14}N$ (g. s.) and $^{12}C(^3He,p)^{14}N^*$ (2.31 MeV) reactions, 23:10943
MARR, W. LMFBR design to accommodate steel swelling, 24:33239
MARR, W. W. Fuel pellet eccentricity in LMFBR fuel pins, 25:41419
Hybrid computer solution of thermal energy equations in porous fuels, 24:46055
Hybrid solution of energy equations in porous fuel, 24:7118
Prediction of fuel melting in an LMFBR fuel element, 25:41422
MARRACK, David Antibodies (^{131}I-labeled) to human fibrinogen, 21:26482
MARRACO, H. G. Open cluster NGC 4609 behind the Coalsack, 25:32904
MARRAN, J. Production of U metal spheres, 21:24730 (PEL-121(Vol.3), pp 268-307)
Prog. rpt. on extraction metallurgy, 12/65, 21:24081 (PEL-121(Vol.3))
MARRERO, J. Annealing of singlet and triplet quenching centers in anthracene, 25:7460
MARRERO, T. R. Diffusion of atoms and molecules, 25:11731
MARRIAN, D. H. Indanetrione, menadione, Synkavit, and N-ethylmaleimide tested as radiosensitizers on murine ascitic tumour irradiated in vitro and grown in vivo, 25:4562
Labeled compound related to Synkavit and its uptake in certain human tumors studied by radio-isotope scanning, 23:41224
Radioactive drug for cancer chemotherapy, 22:19384
MARRIAN, Stanley Frederic Production of sulphonic acids with actinic radiation, 23:40765
MARR III, H. E. Detection limit for gold by radioisotopic x-ray analysis, 24:36181
MARRIOTT, P. M. Phagocytosis of colloidal particles of different sizes, 22:38469
MARRIOTT, P. W. Guidelines for determining safe test intervals and repair times for engineered safeguards, 23:38134 (APED-5736)
MARRIOTT, R. Optical potential for Li—HBr collisions at low energies, 23:16670
Post-threshold behavior of cross sections for 1s—2p excitation, 22:50024
MARRIOTT, R. T. Changes in the electron content of the ionosphere, 24:37383
MARRON, Michael T. Dissociation of diatomic molecules from the viewpoint of the integral Hellmann—Feynman formula: H_2, LiH, and Li_2, 24:32623
Dissociation of hydrogen molecule—ion from viewpoint of integral Hellmann—Feynman formula, 24:28083
Integral Hellmann—Feynman analysis of the binding energy of H_2 and LiH using atomic reference states, 24:32624
Long-range behavior of Hartree—Fock orbitals, 23:16666
MARRONE, Joseph Nuclear liability insurance: a brief history reflecting the success of nuclear safety, 25:48229
MARRONE, M. J. Recombination luminescence from self-trapped excitons in ammonium halide crystals, 23:8680
MARRONE, Paul V. Shock-tube studies of N^+ and O^+ recombination radiation in the vacuum ultraviolet, 23:22869 (N-68-32284)
Temperature and density measurements in free jets and shock waves, 21:18644
MARROW, A. R. Apparatus designed to study thermal and mechanical fatigue in metals, 24:39117 (RD/B/M-1366)
MARROW, G. B. Carbon binder modifications, 21:14140 (Y-DA-1454)
Fiber-reinforced graphite composite fabrication and evaluation, 23:46109 (Y-1684)
MARRS, Len F. Underground leaching of uranium at the pitch mine, 25:57536
MARRUS, R. Atomic beam study of the ^{85} ^{87}Rb relative isotope shift, 22:52506
Lifetime of the 2^1S_0 state of heliumlike Ar, 25:34491 (UCRL-20458)

MARRUS, Richard Atomic beam measurement of ^{39} ^{41} ^{42}K isotope shift, 24:37189 (UCRL-19520)
Atomic-beam measurement of isotope shifts in D_1 line of ^{127}Cs, ^{129}Cs, ^{133}Cs, /sup 134m/Cs, ^{134}Cs, and ^{137}Cs, 23:8450
Measurement of the hyperfine structure of optically excited states of radioactive isotopes, 21:31203
MARRYAT, J. F. Isotopic examination of the brain, 22:38397
MARS, D. Prog. rpt. on LMFBR, 6—8/67, 22:9990 (BAW-1312)
MARSALEK, J. Effect of occupational risk on reproductive functions of women engaged in mining radioactive materials, 21:41491
MARSAULT, Jacques Improvements in and relating to a transport flask especially for radioactive material, 25:13204
MARSAY, C. J. Catalysis of carbon monoxide isotope exchange reaction by molybdenum, 22:33361
Chemisorption of nitrous oxide at low pressures by rhenium, 25:16448
Nitrogen isotope equilibration on molybdenum, 21:40966
Reaction of oxygen with rhenium, 25:16449
MARSCHAL, A. Determination of C in high-purity Si, 25:26202
MARSCHAL, Alain Determination of light elements by gamma photon and charged particle activation, 24:43
MARSCHALL, C. W. Fracture toughness of refractory metals and alloys, 23:27096
MARSCHALL, Ekkehard Uncertainties of calculated characteristics of a transpiration-cooled arc, 24:19902
MARSCHALL, H. Single particle excitation in muonic atoms with deformed nuclei, 23:6879
MARSCHKE, Charles H. Abnormal decay of ^{60}Co teletherapy source, 25:32130
Gonadal exposure of boys and young men treated with inverted Y fields: its reduction and genetic significance, 24:34364
MARSCHNER, H. Strontium-85 translocation in plants, 21:22314
Uptake of cesium and its distribution in the plant, 21:26381
Uptake of Cs by isolated barley roots, 21:26664
MARSDEN, D. A. Decay scheme of ^{93}Y, 25:46052
Energy dependence and depth distribution of lattice disorder in ion-implanted silicon, 25:19832
Energy dependence of lattice disorder in ion-implanted silicon, 23:51759
Isobaric yield distribution in the fission of uranium by medium-energy protons, 21:46741
Nuclear charge dispersion in the fission of ^{232}Th by protons of energy 20 to 85 MeV, 23:11006
Use of blocking in crystals to study the lifetime for fission of ^{238}U by 12-MeV protons, 22:35308
Use of cellulose nitrate plastic in the study of blocking in single crystals, 23:26546
MARSDEN, D. G. H. Medium-sensitivity microbalances for measuring forces exerted by molecular beams, 22:8417
MARSDEN, Ernest Radioactivity of some rocks, soils, plants, and bones, 22:2215
Some aspects of the relationship of radioactivity to lung cancer, 21:6619
MARSDEN, Howard Effects of ionizing radiation on capacity of Escherichia coli to support bacteriophage growth, 25:42730 (NYO-2804-41)
MARSDEN, P. Cosmic radiation, 21:37190 (ESRO-SP-6, Paper 5)
MARSDEN, P. L. Cosmic-ray electron intensity observations, 25:7199
Existence of a density gradient of cosmic radiation perpendicular to the plane of the ecliptic, 23:46313
Observations recorded by the cosmic-ray detector during the solar flare of Feb. 25, 1969, 25:27471
MARSDEN, R. S. Calculated normal frequencies and neutron scattering law for benzene, 23:25759 (IN-1269)
Calculated scattering law and thermal neutron spectrum for benzene, 22:30379
RAFFLE Monte Carlo code and its use to obtain correlated estimates of collapsed cross sections, 25:36649 (CONF-710302-11)
MARSEGUERRA, M. Characteristics of a Perlow recoil-proton spectrometer, 21:17861
Characteristics of a Perlow-type proton recoil spectrometer, 22:345 (RT/FI-(66)36)
Dead-time correction in nuclear particles counting distribution, 24:4453
Dead-time correction in Poissonian distribution, 24:11806
Measurement of temperature coefficient of RC-1 reactor (TRIGA) of C.S.N. Casaccia of CNEN, Rome, 21:25732
Proportional counter for measuring the multiplication factor, 24:25258 (RT/FI-(69)13)
Temporal and random approaches to the dead-time correction in multichannel analyzers, 25:32311
Utilization of "a priori" information in fast neutron spectrometry by threshold detectors, 22:26779
MARSEGUERRA, Marzio Use of approximate quadrature formulas for the fast neutron flux evaluation by threshold detectors, 22:38025
MARSEILLE, Jacques Leak-tight support for rotary seal plug, 24:35996
MARSEL, J. Application of SF_6 for delta^{34}S-determinations, 23:28698
Determination of B in nuclear materials by isotope dilution technique. I, 25:41749
MARSEU, P. Cesium-137 content of milk in Romania, 23:19633
Influence of ionizing radiations on keeping quality of sugar beets, 21:34850
MARSH, A. Heat transfer and pressure drop characteristics of some nuclear reactor fuel elements with herringbone finning, 22:7853
MARSH, A. R. S. International comparisons of ionization chambers, 24:46519
Pyrolytic graphite microcalorimeter for the measurement of x-ray absorbed dose, 25:23859
MARSH, D. J. Electron microscope examination of alpha manganese precipitate in Mg—Mn creep specimens, 23:27057 (TRG-Report-1743)
MARSH, Douglas D. N-substituted S-2-aminoethyl thiosulfates as antiradiation agents, 23:29577
MARSH, Edward B. Jr. R factors improving survival of E. coli K-12, 24:8025
MARSH, G. E. Transformation to rotating coordinates, 25:38606
MARSH, H. Graphite oxidation, 24:17341
MARSH, H. S. Far-infrared ferromagnetic resonance in dysprosium and terbium metals; 23:30656
MARSH, Howard John Evaluation of combined response to x-rays and chemical agents, 21:14674 (COO-78-150)
Evaluation of the combined response to x rays and chemical agents, 22:25912
MARSH, Howard Stephen Far infrared properties of Dy and Tb metals, 23:44535 (NYO-2391-96)
MARSH, J. C. Factors influencing hematopoietic spleen colony formation in irradiated mice. VI, 23:29588
Spleen colony formation in irradiated mice. V, 23:6586
MARSH, Jeffrey Brian Anomalous transmission and reflection of cyclotron waves, 25:11931
MARSH, John C. Factors influencing hematopoietic spleen colony formation in irradiated mice. II, 22:10842
Factors influencing hematopoietic spleen colony formation in irradiated mice. I, 22:10841
Factors influencing hematopoietic spleen colony formation in irradiated mice. III, 22:10843
Hematopoietic spleen colony formation in irradiated mice. IV, 22:43473
MARSH, John H. Jr. Remote analysis of radioactive alloys for carbon, oxygen, nitrogen, and hydrogen, 22:22983
MARSH, K. B. High-temperature deformation and burst characteristics of recrystallized Zircaloy-4 tubing, 24:17261 (WAPD-TM-900)
MARSH, K. V. Photon activation analysis, 25:5472
MARSH, M. C. Ionization front interactions in interstellar gas, 24:19553
MARSH, M. Clive Hydromagnetic aspects of solar wind flow past the Moon, 24:32574
MARSH, O. J. Analysis of Sb-implanted Si by (p,p) scattering and Hall measurements, 21:25176
Changes of optical reflectivity induced by 40-keV Sb ion bombardment of Si, 23:27683
Disorder produced in SiC by ion bombardment, 25:59171
Electrical properties of Cd, Zn, and S ion-implanted layers in GaAs, 25:19842
Hall effect analysis of ion-implanted Si and Ge, 24:24116
Ion implantation of silicon. II, 22:13585
Ion-implanted junctions and conducting layers in SiC, 25:19847
Lattice disorder created in Si by 40 keV Sb ions, 23:16881
Lattice disorder produced in GaAs by 60-keV ions, 25:1290
Lattice disorder produced in Si by 40-KeV boron, 24:3448
Measurement of lattice damage caused by ion-implantation doping of semiconductors, 25:56287
MARSH, Ogden J. Anneal behavior of defects in ion-implanted GaAs diodes, 24:21874
Ion implantation in semiconductors, 24:24133
Method of restoring crystals damaged by irradiation, 25:4895
MARSH, P. A. Corrosion of Ti—6Al—4V in HCl—methanol, 25:35287
Corrosion of Ti-6A-4V in HCl-methanol, 25:29773
MARSH, R. H. Activation analysis of Na using internal standard, 24:96
High precision activation analysis of sodium, 23:62
Neutron activation analysis of glass, automobile exhaust, and water, 25:39462
Precision determination of gadolinium in cadmium fluoride by neutron activation analysis, 23:19680
Use of anion exchange resin-loaded paper in the determination of trace mercury in water by neutron activation analysis, 25:44350
MARSH, R. O. PCPV model: pressure test and evaluation, 22:16315 (GA-7301)
Pressure test and evaluation of a model pressure vessel, 23:11213
Prestressed concrete nuclear reactor containment structures, 25:51133 (BC-TOP-5)
Use of models in PCRV design, 21:2824 (GA-6949)
MARSH, Richard H. Separation and determination of tantalum as tantalum phosphate, 25:15481
Separation of ^{95}Zr from ^{95}Nb, and the separation of ^{95}Zr and ^{95}Nb from several other nuclides, 22:18905
MARSH, S. F. Postirradiation examination of thoria—urania fuel rods. Isotopic analysis of the fuel. Final report, Volume 2 of 3 volumes, 24:36163 (BAW-3809-7)
Prog. rpt. on post irradiation examination of thoria—urania fuel rods, 3—8/67, 22:17185 (BAW-3809-1)
Prog. rpt. on post-irradiation examination of thoria—urania fuel rods, 9—11/67, 22:37641 (BAW-3809-2)
MARSH, S. Fredric Improved solvent extraction separation of molybdenum from nuclear fuels for isotope dilution mass spectrometric analysis, 21:21873
Separation of lanthanide fission products from nuclear fuels for isotope dilution mass spectrometric analysis, 21:21876
MARSH, S. P. Determination of new standards for shock wave equation-of-state work, 21:35795 (LA-DC-8410)
Hugoniot equation of state of twelve rocks, 22:174
Hugoniots of graphites of various initial densities and the equation of state of carbon, 21:43657 (LA-DC-8411)
Shock-wave compression of Fe—Ni alloys and the Earth's core, 21:23069 (LA-DC-7524)
MARSH, Spinks H. ^{60}Co teletherapy of pituitary adenomas, 25:26872
MARSH, W. Development of a system for collecting and analysing service failures, 24:50080
MARSH, W. D. Nuclear power for large industry, 23:9181
Nuclear power: its potential for aluminum reduction, 23:9097 (NP-17709)
Nuclear power: its potential for aluminium reduction, 23:9617
MARSH, W. R. Apparatus for the proton irradiation of supercritical water in a flow system, 25:17643
Effect of dose-rate, and LET, on the radiation-induced cis-trans isomerization of butene-2 in liquid benzene solution, 22:16606
Gamma radiolysis of benzene at high temperatures and pressures, 23:40769
Irradiation vessel for high temperatures and pressures, 23:6186
Radiation chemical studies with particles of very high linear energy transfer, 22:30593
Radiolysis of liquid benzene by low energy ^{4}He ions, 23:238
MARSH, William Correlation of ESR and optical spectra from five x-irradiated amino acids, 24:38982
MARSH, William W. Jr. Arsenazo III as metallochromic indicator for direct titration of lanthanons, 23:4585
MARSHAK, E. M. Reactions of uranium compounds with rongalite (formaldehyde sodium sulfoxylate), 24:20692
MARSHAK, H. Neutron total cross section of oriented ^{165}Ho from 2 to 135 MeV, 22:18216
Right angle ^{3}He cryostat incorporating a high field superconducting solenoid, 25:30442 (NBS-TN-562)
Total neutron cross section of oriented ^{165}Ho, 25:12565
MARSHAK, M. L. Deeply inelastic proton—proton collisions, 24:8565
Inelastic proton—proton scattering at 12.5 GeV/c, 22:52932
Magnetostrictive readout of spark chambers in a magnetic field, 22:36108
Particle production at high transverse momentum, 22:48219
Pion production in proton—proton collisions, 24:1509
Proton—neutron elastic scattering on a deuterium target, 25:3266
Steel-scintillator counter to detect neutrons, 25:6546
MARSHAK, Marvin Lloyd Proton—neutron elastic scattering from deuterium, 25:25304
MARSHAK, R. E. Advances in particle physics. I, 22:50313
Advances in particle physics. II, 23:13050
Calculation of the branching ratio (eta $\rightarrow 2\pi + \gamma$)/(eta $\rightarrow 2\gamma$), 21:897
CP violation and strong self-interacting intermediate-vector-boson model, 25:30814
Current algebra and vector form factor of K/sub e4/, 22:7486
Evidence for parity-SU(3) mixing in decays of meson resonances, 21:13709
Gross CP violation, 23:36971
K/sub L/° $\rightarrow \mu^+\mu^-$ DECAY, K/sub L/°-K/sub S/° mass difference, and weak-interaction cutoff, 22:26621
New approach to algebra of currents and application to K $\rightarrow 2\pi$ decay, 21:37756
Second-order weak processes and weak interaction cutoff, 22:44387
Strong interaction IVB models, 23:25594 (CERN-69-7, pp 371-89)
Ten years of universal (V-A) theory of weak interactions, 21:17089 (UR-875-187)
Towards a universal law of weak interactions, 23:49100
Universal (V—A) theory of weak interactions, 23:23439
Weak interaction cutoff and strong interaction of intermediate vector bosons, 24:49412
MARSHAK, Robert E. Theory of weak interactions in particle physics, 23:51908
MARSHAKOV, I. K. Study of alloys belonging to $NiAl_3$—VAl_3 and Ni_2Al_3—V_2Al_8 sections, 25:55562
MARSHAL, C. J. Precipitation conditions in the uranyl nitrate—ammonium hydroxide system, 25:18379
MARSHALEK, E. R. Gauge fields in the many-body problem and superfluidity, 25:9357
Isomer shifts and the self-consistent cranking model, 22:11200
Static quadrupole moments of vibrational states of spherical nuclei in the self-consistent cranking approximation, 25:56860
MARSHALEK, Eugene R. Microscopic description of quasirotational bands, 25:34173
Nuclear rotation and boson expansions. I, 25:12671
Nuclear rotation and the random-phase approximation, 23:44992
Relation between Belyaev—Zelevinskii and Marumori boson expansions, 25:20521
Self-consistent perturbation of Hartree—Fock—Bogoliubov equations and nuclear rotational spectra. II, 21:35525
MARSHALKIN, V. E. Concerning nuclear fission, 21:2717
Coulomb excitation of fission fragments, 24:22180
Energy level spectra of nuclei in the fission process, 21:27651
Kinetic energy of fission fragments, 22:18332
Nonradiative nucleon transitions in nuclear fission, 22:11983
One-particle states of the fissile nucleus, 24:52731
Shell correction to liquid-drop energy, 25:31398
MARSHALL, A. L. In-residence health and safety support in a plutonium facility, 25:55204 (CONF-710401-, pp 267-79)
MARSHALL, Alan Measurement of lifetime and g factors in the OH and OD free radicals, 25:26243
MARSHALL, Alan H. LAPH: a multigroup photon production matrix and source vector code for ENDF/B, 24:31133 (LA-4337)

- MARSHALL, Alec Frank Improvements in or relating to the manufacture of articles from powdered materials, 24:8073
- MARSHALL, B. J. Ultrasonic-attenuation studies in superconducting lead, 24:42631
- MARSHALL, B. W. Stability of thin liquid layer adjacent to supersonic air stream, 24:29138 (SC-DC-69-2130)
  - Thermal and ablation response of small spherical particles in reentry, 23:4783 (SC-RR-68-547)
- MARSHALL, Barbara Radioactive drug for cancer chemotherapy, 22:19384
- MARSHALL, Billy W. Oxidation and ablation characteristics of Ta, 21:1865
- MARSHALL, C. Use of radioisotopes to investigate organization in plants, 21:41340
- MARSHALL, C. H. Clear Perspex HX as a reference dosemeter for electron and γ radiation, 24:2502
  - Effect of spectrophotometry error on accuracy of Perspex HX megarad dosemeter, 24:23211
  - Radioiodine therapy to out-patients, 25:49206
- MARSHALL, Christopher H. Environmental contamination with ^{131}I related to the treatment of hyperthyroidism and carcinoma of the thyroid gland, 25:58079
- MARSHALL, D. Bit-pushing and distribution-pushing techniques for the solution of the Vlasov equation, 25:25115 (COO-1726-68)
  - Features of K^+d reaction at 3.8 GeV/c, 24:40258 (COO-1195-186)
  - Reaction $K^+p \rightarrow K^+\pi^+\pi^-p$ at 2.53, 2.76, and 3.20 GeV/c, 24:37660
- MARSHALL, D. H. Continuous counting of ^{32}P from transplanted rat tumors, and effects of radiosensitizers and radioprotective agents, 22:12851
  - Half-life of ^{47}Ca, 23:37155
- MARSHALL, Delbert Allan Atomic absorption characteristics of bismuth and vanadium with notes on boron and uranium, 23:91
- MARSHALL, Dennis Albert George Improvements in or relating to filters, 25:28829
- MARSHALL, F. Expected cooling from a reactor coolant circuit, 24:16185
- MARSHALL, G. K. Determination of spin of 6.92 MeV level of ^{25}Al, 24:1790
- MARSHALL, G. W. Anodic behavior of Zn—Cd binary alloys, 24:51135
- MARSHALL, H. P. Structure of nitroform in various solvents, 25:18391
- MARSHALL, J. Coaxial gun development, 22:1252 (LA-3770, Paper E2)
  - Coaxial snowplow discharge, 22:1186 (LA-3770, Paper C7)
  - Coaxial snowplow discharge, 23:44395
  - Formation of retinal laser lesions, 22:569
  - High energy gun-injected toroidal quadrupole, 25:38330 (CONF-710607-8)
  - Ocular hazard of CW lasers, 25:2591
  - Pulsed cryogenic magnetic energy storage, 23:34461 (LA-4195)
  - Retinal lesions produced with lasers, 22:49568
  - WINTOF: program to produce neutron spectra from Zebra time-of-flight experiments, 23:52398 (AEEW-M-897)
- MARSHALL, J. C. Brazing alloys for tantalum, 21:26786
  - Brazing alloys for tungsten and molybdenum, 21:6784
  - Brazing alloys for tungsten and molybdenum, 21:26784
  - High temperature brazing alloys for tungsten and tantalum, 22:19545
  - Niobium—silicon brazing alloy for refractory metals, 21:24742
  - Refractory metal brazing product and process, 21:26783
- MARSHALL, J. D. Calculating gamma-ray doses inside underground concrete structures, 21:36318
  - Comparison of Monte Carlo calculated and experimentally determined energy and angle spectra for ^{137}Cs, 22:44200 (RRA-M-74)
  - Differential neutron and secondary gamma-ray albedos for steel-covered concrete slabs. V, 24:28384 (AD-697912)
  - Differential neutron and secondary gamma-ray albedos for steel-covered concrete slabs. III, 24:28382 (AD-697910)
  - Differential neutron and secondary gamma-ray albedos for steel-covered concrete slabs. II, 24:28381 (AD-697909)
  - Differential neutron and secondary gamma-ray albedos for steel-covered concrete slabs. IV, 24:28383 (AD-697911)
  - Differential neutron and secondary gamma-ray albedos for steel-covered concrete slabs. VI, 24:28385 (AD-697913)
  - Differential neutron and secondary gamma-ray albedos for steel-covered concrete slabs. VII, 24:28386 (AD-697914)
  - Differential neutron and secondary gamma-ray albedos for steel covered concrete slabs. I, 24:28380 (AD-697908)
  - Effect of cutoff energy on Monte Carlo calculated gamma-ray dose rates in air, 21:7305
  - Effect of cutoff energy on Monte Carlo calculated γ-ray dose rates in air, 21:40051 (RRA-M-67)
  - Simplified method for calculating nitrogen-capture and fission-product gamma-ray doses inside underground concrete structures, 23:1506 (RRA-M-71)
  - Simplified method for calculating nitrogen-capture and fission-product gamma-ray doses inside underground concrete structures, 23:48958 (RRA-M-71-A(Rev.))
  - X-ray spectra calculations for complex detector geometries, 25:4403
  - X-ray transport in a spherical-shell atmosphere, 23:36768
- MARSHALL, J. E. 4000-liter UO_2 fast core assembly-6 of ZPR-6, 23:4357
  - Analysis of heterogeneity and sodium-void effects in a 2700-liter uranium carbide fast core, ZPR-6 Assembly 5, 25:12825
  - Analysis of sodium-void coefficients, 24:33428
  - Central reactivity worth measurements and calculations, 24:7237
  - Central reactivity worths in fast critical assemblies, 24:29057
  - Computer-aided calibration of a fine autorod, 23:4329
  - Critical mass sensitivity to the treatment of heterogeneity effects in a large UC fast core, Assembly 5 of ZPR-6, 24:7277
  - Fluxes intrastructure in a large, plate-type heterogeneous UO_2 fast core (assembly-6, ZPR-6), 23:4334
  - Heterogeneity effects in a large uranium—carbide fast reactor, 22:33042
  - Initial experimental results from ZPR-6 Assembly 7, 25:41514
  - Large U—carbide fast core, Assembly-5 of ZPR-6, 22:33040
  - Sodium void effects in a 4000-liter UO_2 core, Assembly-6 of ZPR-6, 23:37655
  - Sodium-void effects in a large uranium—carbide fast reactor, 22:33041
  - Verification of Doppler measurements in zoned fast critical assemblies, 21:38685
- MARSHALL, J. F. Pion elastic scattering from carbon and oxygen at 30 MeV, 24:38120
  - Plasma density measurement by ion-beam probing, 23:27612
  - Prog. rpt. on beam probe mapping of rapidly fluctuating plasma density in energetic arc, final, 12/67—11/68, 24:30311 (AD-687181)
  - Prog. rpt. on plasma density measurements with energetic beams, final, 12/1/65—11/30/66, 21:42027 (AD-647835)
  - Small-angle proton-proton polarization and cross section at 213 Mev, 21:872
- MARSHALL, J. H. Amplifier for use with solid state radiation detectors in spacecraft applications, 21:12708 (N-66-26148)
  - Comparative kinetics and autoradiography of ^{45}Ca and ^{133}Ba in 10-year-old beagle dogs, 24:31810 (ANL-7489, pp 24-30)
  - Effect of colloidal state of intravenously injected Pu on its distribution in bone and marrow, 23:24632
  - Injection timing and rf control system of Cal Tech 1.5 GeV electron synchrotron, 21:29652 (CALT-68-109)
  - Lambda polarization at 90° in $K^+\Lambda$ photoproduction, 21:37662
  - Level of Ra in human blood, 24:21151
  - Low-power memory system for pulse-height-analyzer systems, 24:39395
  - Model for remodeling and exchange in human bone, 24:27504 (ANL-7615, pp 58-76)
  - Moessbauer effect from bone crystal surfaces, 22:16977
  - Particle identification by pulse-height correlation in a range telescope, 21:8599
  - Points of zero incidence on dose-response curves, 25:21830 (ANL-7760(Pt.2), pp 18-21)
  - Pulse-height analyzer for charged-particle spectroscopy on the lunar surface, 22:12599
  - Radial diffusion and power function retention of alkaline earth radioisotopes in adult bone, 22:30991
  - Retention of radium in man, 23:41214
  - Surface to volume ratios of bone determined by computer analysis of microradiographs, 22:31003
- MARSHALL, J. Jr. Thermal expansion impulse actuator in plasma jet apparatus, 21:3881
- MARSHALL, J. S. Iron, manganese, cobalt, and zinc cycles in southeastern reservoir lake, 22:37875 (DP-MS-66-81)
  - Population dynamics of D. pulex as modified by chronic radiation stress, 21:16496
  - Radiation stress in exploited Daphnia populations, 21:22701
- MARSHALL, James E. Computer-aided calibration of a fine autorod, 23:52497
- MARSHALL, James Franklin Measurement of the proton—proton cross section and polarization in the Coulomb interference region at 213 MeV, 21:15264
- MARSHALL, John Fast metallic contact solid dielectric switch for high voltage and current, 22:47440
  - Laser irradiation of retinal tissue, 24:46676
  - Pulsed gas valve for fast timeable high pressure operation, 23:32491
- MARSHALL, John H. Comparative kinetics and autoradiography of ^{45}Ca and ^{133}Ba in ten-year-old beagle dogs, 24:31836
  - Computer analysis of bone autoradiographs and microradiographs, 21:34510 (CONF-660527-, pp 187-92)
  - Retention of radionuclides in bone, 23:38428
  - Uptake of ^{45}Ca in acellular-boned toadfish, 24:31813 (ANL-7489, pp 43-53)
- MARSHALL, K. N. Laboratory and flight test program to evaluate the space stability of highly specular reflective surfaces, 21:36951
- MARSHALL, L. Measurement of $K^- + p \rightarrow K^* + N$; calculation of K^*—N cross section, 21:2376
  - Negative pion—proton elastic scattering at 1.7 GeV/c, 21:18910
  - Non-antimatter nature of Tunguska Meteor, 21:9423
  - Optical-model parameters and cross sections for the rho-meson—nucleon interaction according to a modification of the coherent droplet model, 21:19007
  - Stimulation of Jupiter's radio emission by Io, 21:20863
- MARSHALL, Lauriston C. Rise and stability of earth's atmosphere, 22:52311 (BNL-50114)
- MARSHALL, Lawrence M. Countercurrent distribution of labeled anomeric methyl arabinosides and methyl α-D-mannoside, 21:38950
- MARSHALL, M. Analysis of target theory of Lea with modern data, 24:48436
  - Comparison of calculated and measured surface dose using LiF discs, 25:39766
  - Emission of alpha particles and tritons in the thermal neutron fission of ^{235}U, 21:5542
  - Measurement of skin dose from low energy beta and gamma radiation, 25:49185
  - Method for annealing lithium fluoride Teflon discs, 25:447
  - Physical parameters of radiations determined from the inactivation of ribonuclease, 24:48437
  - Preparation of ^{235}U fission sources, 22:248 (NP-17092)
  - Stopping power of low energy electrons in biological materials, 24:44415 (EUR-4452, pp 529-39)
  - Surface dosimetry using thermoluminescent discs, 25:57837
- MARSHALL, M. D. Prog. rpt. on boron hydride studies, final, 10/66, 21:1332 (UCRL-13240)
- MARSHALL, Michael Effects of gamma-radiation on solutions of ribonuclease, 23:29349
- MARSHALL, N. H. Automated Cross Section Analysis Program, 25:25709 (CONF-710301-6)
  - Automatic analysis of neutron cross section data, 24:8884 (CONF-690301-, pp 622-32)
  - Neutron cross-section resonance parameters, 23:37088
- MARSHALL, N. K. Design and testing of an electric-readout nephelometer, 22:42902 (CU-2663-9, App.L)
- MARSHALL, Nelson Gross beta radioactivity in Fucus hybrids (rockweed) from Niantic estuary, Connecticut, 1961—1964, 22:40694
- MARSHALL, P. Creep of silicon carbide, 23:30174
- MARSHALL, P. Anthony Nuclear explosions and distant earthquakes, 24:46383
- MARSHALL, P. D. Amplitude-distance curve for short period teleseismic P-waves, 22:8238
  - Aspects of the spectral differences between earthquakes and underground explosions, 25:288
  - Seismic results of LONG SHOT explosion, 21:1477 (AWRE-O-67/66)
  - Seismic results of MILROW underground nuclear explosion, 25:285 (AWRE-O-47/70)
  - Surface waves generated by atmospheric nuclear explosions, 25:21214 (AWRE-O-88/70)
- MARSHALL, P. M. Coronal line profiles observed by means of coronagraphs and a Fabry—Perot spectrometer, 25:35775
- MARSHALL, Phillip M. Precision deep-sea time release, 25:31756 (UCSD-34-P-127-8)
- MARSHALL, R. Determination of the photoproduction phase of phi mesons, 25:47706 (DESY-71/26)
  - Leptonic decays of vector mesons, 23:3653
  - Leptonic decays of vector mesons, 23:7086 (DESY-68/56)
  - Pattern recognition of four prong events, 23:33517 (ANL-7515, pp 412-20)
- MARSHALL, R. A. G. Kinetic studies of exchange between metallic mercury and mercury compounds in solution. III, 25:6308
- MARSHALL, R. K. Achieving high exposure in metallic uranium fuel elements, 24:47861
  - Controlled temperature—pressure irradiation capsules, 22:4316
  - Controlled temperature—pressure irradiation capsules, 22:6136 (BNWL-SA-1377)
  - Irradiation behavior of Zircaloy-2-clad Th—U alloy fuel elements, 23:37543
  - Irradiation behavior of Zy-2 clad Th—U—Zr fuel elements, 22:2662 (BNWL-479)
  - Irradiation of metallic—uranium hollow-core fuel elements to 1 at. percent burnup, 22:33001
- MARSHALL, R. L. ESR spectra of hole-trap centers in irradiated single-crystal calcite, 24:8527
- MARSHALL, R. O. Large scale fixed bed ion-exchange system for removing ^{131}I and ^{90}Sr from milk, 22:31063
  - Large-scale fixed-bed ion-exchange system for removing ^{90}Sr from fluid milk. I, 21:28461
  - Large-scale fixed-bed ion-exchange system for removing ^{90}Sr from fluid milk. II, 21:32666
- MARSHALL, R. P. Absorption of gaseous hydrogen by Zircaloy-2, 21:30966
  - Control of hydride orientation in Zircaloy by fabrication practice, 22:661
  - Failure analyses and properties of safety rod guide tubes from HWCTR, 21:32011 (DP-1077)
  - Stress-oriented hydrides in Zircaloy tubing, 22:662
- MARSHALL, R. S. Fluoride volatility laboratory studies, 23:19819 (CONF-680610-, pp 42-50)
  - Volatile fluoride reprocessing of Pu, 23:38049
- MARSHALL, R. T. Image intensifier compared with conventional fluoroscopy for routine gastro-intestinal investigation, 21:8859
- MARSHALL, R. W. Prog. rpt. on effects of radiation on monolithic microelectronic circuits, final, 5/65-7/66, 21:9256 (AD-642301)
  - Radiation effects on monolithic silicon integrated circuits, 21:1703
- MARSHALL, Robert H. Some uranium-transition element double oxides, 22:31454
- MARSHALL, Robert P. Analysis of failed 17-4 PH bolts from the HWCTR, 22:8693 (DP-1102)
  - Directional strain and hydride orientation in zircaloy, 22:52200 (DP-1138)
- MARSHALL, Robert S. Reduction of PuF_6 to PuF_4 by thermal decomposition, 24:41397 (RFP-1357)
- MARSHALL, Robin Photoproduction of vector mesons, 24:51879 (DESY-70/32)
  - Photoproduction of vector mesons, 25:5301 (DNPL/R-7, pp 29-70)
- MARSHALL, Royal R. Lead—lead age of the Bondoc meteorite, 22:47742
- MARSHALL, S. A. Electron spin resonance absorption spectrum of CO_2^- molecule ions associated with F^- ions in single-crystal calcite, 23:10714
  - Electron spin resonance absorption spectrum of AsO_3^{2-} molecule-ion in γ-irradiated single-crystal calcite, 23:14894
  - ESR absorption spectra defect centers in irradiated calcite, 21:3922
  - ESR spectra of CO_2^- and CO_3^{3-} molecule-ions, 21:18827
  - ESR spectra of hole-trap centers in irradiated single-crystal calcite, 24:8527
  - ESR spectrum of CO_3- molecule—ions in irradiated single crystal calcite, 21:37562

Isotopic shift in ESR absorption spectrum of Gd^{3+} in thorium oxide, 21:37613
Low-field ESR spectrum of Gd^{3+} in single-crystal ThO$_2$, 23:8686
MARSHALL, T. Computer-based multiparameter analyzer, 21:15441 (IS-1270)
Ionizing shock wave plasma diagnostics, 22:13443
Separation of ilmenite, zircon, and monazite from Westport beach sands, 22:12425
MARSHALL, T. C. Correlated microwave radiation from a beam-generated turbulent magnetoplasma, 24:1397
Drift-wave fluctuations and anomalous diffusion in cesium, 24:3391
Drift-wave fluctuations and anomalous diffusion in magnetoplasma, 24:26287
Effects of plasma flow on electrostatic disturbances in a Q machine, 24:15306
Formation of ion-acoustic collisionless shocks, 25:19698
Influence of drift waves upon transverse diffusion in a fully ionized magnetoplasma, 21:29197
Ion energy parameters in a Q machine, 24:26160
Microwave scattering from plasmas, 25:27679
Single-ended "Q machine" with pulsed emitter, 22:44139
Wave mixing in a bounded magnetoplasma, 23:1477
Wave-excited anomalous diffusion in a fully ionized magnetoplasma, 21:9532
MARSHALL, T. K. Determination of free (uncombined) Pu carbides, 21:5754 (LA-3603)
Distillation separation and spectrophotometric measurement of microgram quantities of silicon, 21:5753 (LA-3559)
MARSHALL, T. O. Attenuation of 14 MeV neutrons in water, 25:3537
Edge effects in the scanning of nuclear-track emulsions for neutron dose assessment, 21:43287
Measurement of dose equivalent around low energy accelerators, 23:50182
Monitoring of the individual in accelerator environments, 23:50177
Performance of precision long counters for measurement of fast neutron flux densities, 24:25270
Studies relating to in vivo activation analysis using a source of 14 MeV neutrons, 25:44817
Use of 14 MeV neutrons for activation analysis of five elements in man-like models, 25:44818
MARSHALL, T. U. Relation between the classical theory of fluctuations and quantum field theory, 23:32820
MARSHALL, Theodore Radiative lifetimes of excited electronic states in ionic species of nitrogen, 22:5081
MARSHALL, Thomas C. Electromagnetic modes and wave—plasma interactions, 23:48942 (AD-690537)
Scattering of microwaves from plasma space-charge waves near the harmonics of the electron gyrofrequency, 21:31471
MARSHALL, Thomas H. Elastase-catalyzed hydrolysis of p-nitrophenyl trimethylacetate, 22:10214
MARSHALL, Thomas K. Spectrophotometric determination of microgram quantities of iron in plutonium metal and alloys, 22:10172 (LA-3781)
MARSHALL, W. Critical scattering of neutrons from terbium, 22:24813
Distribution of magnetization in mixed magnetic systems. I, 21:832
Inelastic critical scattering of neutrons from terbium, 21:40077
Interactions of neutrons with solids, 24:10636
Investigations of magnetic materials using neutron scattering, 23:16893
Neutron elastic diffuse scattering from mixed magnetic systems, 22:22539
Neutron scattering from paramagnets, 22:13915
Second-order effects in diffuse elastic neutron scattering from ferromagnetic alloys, 22:44596
Use of neutrons in the study of solids and liquids, 24:40184
MARSHALL, W. H. Jr. Isotope encephalography with cholografin ^{131}I, 24:14549
MARSHALL, William F. Stretched reference wire magnetic pickup alignment system, 23:47907
MARSHALL, William L. Thermal discharge: characteristics and chemical treatment of natural waters used in power plants, 25:23201 (ORNL-4652)
MARSHALLAND, John F. Plasma density and spectroscopic measurements of deuterium arcs, 21:735 (AD-628890)
MARSHALL III, J. Howard Gamma-ray spectrometer for space applications, 22:38112
High-resolution gamma-ray spectrometer for use in outer space, 22:28152
MARSHALL III, Samuel Wilson Moessbauer effect in gold microcrystals, 21:18838
MARSHAM, T. N. Place of the fast reactor in commercial power development, 22:46909 (NP-17599, pp 30-40)
Place of the fast reactor in commercial power development, 23:28417 (TRG-Report-1801(Rev.))
Review of nuclear reactor programme, 21:38625
Technical problems and economic prospects arising from the alternative methods of using plutonium in thermal and fast breeder reactor programmes, 25:54285 (A/CONF.49/P-496)
Three generations of nuclear power stations, 22:42231
MARSHANSKII, V. S. Topography of magnetic field at 70-GeV accelerator, 25:9906 (IFVE-SKU-69-95)
MARSICANIN, B. New radioactive lightning protection, 24:16792
MARSICANIN, B. S. Emittance measurement of the magnetron ion source, 24:4521
Ion extraction in the presence of secondary electrons, 21:40318
MARSICANIN, Bozidar S. Ion-optical properties of the magnetron ion source, 24:45671
MARSICANO, F. Theory on formation of cosmic grains, 22:17335
MARSICO, B. Beta and gamma autoradiography of irradiated nuclear fuel, 24:7601 (NP-tr-1867)
Beta, gamma autoradiography of irradiated nuclear fuel, 23:36224 (RT/CHI-(69)5)
Effect of porosity of sintered UO$_2$ and kinetics of thickening of grains, 22:52234 (RT/ING-(68)3)
Performance of experimental fuel operating at central melting, 24:33558
MARSIK, S. J. Improved sulfur hexafluoride gas handling system for a potential drop particle accelerator, 21:38017
Improved sulfur hexafluoride gas handling system for a potential drop particle accelerator, 21:44470 (N-67-21179)
MARSIK, Stanley J. Radiation induced reduction of ammoniacal nickel (II) sulfate to metallic nickel, 23:40681 (N-69-24940)
Radiation-induced preparation of metals from their aqueous salt solutions, 25:2237 (N-70-32826)
MARSILETTI, G. C. Behavior of tri-n-octyl ester of radioactive phosphoric acid administered by intralymphatic infusion in a lipid vehicle, 21:34710
Pelvic angio-scintigraphy through endoarterial infusion of MAA—^{131}I in diagnosis of female genital cancers, 24:23265
MARSILI, F. Casaccia Nuclear Center 1 MW RC-1 reactor, 22:3905
Thermalizing column modification for RC-1 reactor improvement, 21:21773 (RT/ING-(66)19)
MARSLAND, D. Anti-mitotic effects of colchicine and heavy water on eggs of Arbacia punctulata, 23:899
MARSLAND, Douglas Effects of D$_2$O on mechanism of pigment dispersal in melanocytes of Fundulus heteroclitus: pressure-temperature analysis, 22:19273
Stabilizing effects of D$_2$O on the microtubular components and needle-like form of heliozoan axopods: a pressure—temperature analysis, 25:32518
MARSMAN, J. W. Deuterium isotope effect in 3-hydroxy-2-butanone, 23:40620
MARSOL, C. Weak β-decay branches of ^{77}As, 25:45994
MARSOL, Claire Gamma radiation from ^{76}As, 22:3662
Low-energy γ radiation of ^{228}Th and character of ^{212}Po transitions, 23:21347
Multipolar character of photons accompanying ^{125}Sb decay, 25:31340
New excited states in ^{140}Ce, 24:40627
Study of ^{133}Xe excited states, 24:49794
MARSON, R. Paper electrophoresis of Fe(II)—Fe(III) system, 21:5765 (USNRDL-TRC-84)
MARSOT, G. Hybrid simulation of nuclear power plant heat exchangers with forced circulation, 24:38534
MARSTEN, Richard B. Conference on communication satellite systems technology, 5/66, 21:17761
MARSTERS, G. F. Optimized geometry for coupling a mass spectrometer to a shock tube, 22:22936 (TID-23214)
MARSTOKK, K.-M. Microwave spectra of deuterated glycolaldehydes, 25:29044
MARSTON, A. L. Curium process development. III-6, 24:38705 (DP-1215)
Low-frequency vibrations of molecular crystals. IV, 22:40077
MARSTON, Charles H. MHD accelerator performance, 21:2090
MHD generator and accelerator experiments in air flows, 21:13416 (AD-639754)
MARSTON, H. R. Efficacy of cobalt pellets for providing cobalt for penned sheep, 24:21051
MARSTON, John H. Reproductive capacity of rhesus monkeys following x-irradiation of ovaries, 24:871
MARSTON, Peter Cryogenic magnet system for quasi-continuous operation, 22:21252
MARTA, F. Gamma radiolysis of propionaldehyde, 23:11539
MARTAKOVA, N. K. Measurements of high-energy pulsed-laser radiation intensity, 23:43235 (CONF-680964-1)
Pulse source of high density atomic hydrogen, 22:38733
MARTALOGU, N. Excitation energy of spontaneously fissioning isomer /sup 242m/Am, 21:23509
Excitation function of the ^{241}Am(n,γ)/sup 242mf/Am reaction, 22:37347
Fissioning /sup 242mf/Am isomer formation at fast neutron radiative capture, 22:7691 (JINR-E15-3573)
Nuclear structure effects in elastic and inelastic scattering of neutrons, 22:27379
Population of spontaneously fissioning isomer /sup 244mf/Am through the (n,γ) reaction, 23:49406
Proton scattering on ^{22}Ne, 23:13241
Proton—gamma angular correlations on ^{11}B and ^{31}P, 24:38134
Reaction mechanism for proton scattering on ^{60} ^{64}Ni and ^{64} ^{66}Zn, 25:20322
Some of the important results obtained in the cyclotron laboratory, 21:23477
MARTEAU, Pierre Study of clothes providing effective tritium protection, 25:24187 (CEA-N-1413)
MARTEGANI, A. Construction of a double-focusing sector-type spectrometer. II, 23:31543
Properties of a double-focusing sector-type β spectrometer. I, 23:31542
MARTEGANI, G. Dielectric and optical properties in alkali halides doped with cobalt, 23:51782
MARTEL, Charles Peter Relative strains induced by x-irradiation damage in seven alkali halides near 20°K, 22:13605
MARTEL, G. Polarographic analysis of some explosives, 24:7383 (LA-tr-69-21(Draft))
MARTEL, P. Evidence for electron-hole recombination mechanism of defect production in KCl and NaCl at 20°K, 23:24968
Lattice dynamics of niobium—molybdenum alloys, 22:37044
MARTELET, C. Study by triple labeling of reactions between tetraphenylstibonium and antimony trichloride, 25:2169
MARTELL, A. E. Equilibrium studies of uranyl complexes. IV, 21:14194
Formation, hydrolysis, and olation of U(IV) chelates, 22:10210
Interaction of Th(IV) with HEDTA, 23:183
Kinetics of metal ion and metal chelate catalyzed oxidation of ascorbic acid. IV, 23:40645
Mixed ligand chelates of U(IV), 21:27962
Structure and conformation of Th(IV) complexes of diethylenetriaminepentaacetic acid in aqueous solution, 25:57436
MARTELL, Arthur E. Prog. rpt. on chelation and olation reactions of metal ions, 1—9/67, 22:2033 (ORO-3621-6)
MARTELL, C. J. Separation and spectrochemical determination of 0.5 to 5 ppm Nb, Ta, and Ti in U, 23:4522 (LA-3985)
MARTELL, Calvin J. Computer calculations in spectrochemical analysis, 24:20685 (LA-DC-10556)
MARTELL, E. A. Excess atmospheric ^{210}Po, 24:5760
Size distribution and interaction of radioactive and natural aerosols in the stratosphere, 21:6054
Tungsten radioisotope distribution and stratospheric transport processes, 22:12447
Water vapor, molecular hydrogen, methane, and tritium concentrations near the stratopause, 24:31499
MARTELLI, C. Non-destructive controls of manufacture on finned sheath tubes for Orgel type nuclear combustible elements, 22:39798
MARTELLI, G. Detection of uv radiation by an electron channel multiplier, 22:321
Helicon-wave propagation in a laboratory plasma, 24:35491
MARTELLI, G. E. G. Nonlinear electron—wave interaction at Doppler-shifted cyclotron frequency, 25:43412
MARTELLI, L. CONDOS system for measurement and automatic auditing of radiation exposure, 23:2823 (RT/FIMA-(68)3)
MARTELLOTTI, G. Some results concerning K$^-$d interactions around 900 MeV/c, 23:21061
MARTELLUCCI, S. Applications of laser-produced plasma to controlled thermonuclear fusion, 25:59058
Deuterium plasma produced by subnanosecond laser pulses, 23:32441
Energetic ions produced by subnanosecond laser pulses, 25:9484
Refractive methods used in laboratory plasma, 22:17632
Series interferometer for the diagnosis of a large diameter theta-pinch, 21:36446
Use of first and second harmonic laser light in study of fast theta pinch, 21:3828
MARTELLUCCI, Sergio Engineering developments in Chalice experiment, 21:5239 (SIT-2582-21)
MARTELLUCI, S. Change in scaling laws for laser-produced plasmas through the critical regime, 25:40659
MARTEMIANOV, V. P. Search for Dirac monopole at 70 GeV I.P.H.E. proton synchrotron, 24:24210
MARTEM'YANOV, I. N. Experimental studies of experimental reactor IR-100, 25:18194
MARTEMYANOV, V. P. Bubble chambers with 100 kOe pulsed magnetic field in 8 liter volume, 21:288
Dirac monopole, 24:21951 (IAE-1856)
MARTEN, R. Burnup determination by γ spectrometry at zero power experiments, 22:10181
Cryostat for Ge(Li) detectors with automatic refilling from a cooling resevoir, 22:6611
Nondestructive burn up determination by γ-spectroscopy. I, 23:43589
MARTENEY, Pierre J. Experimental investigation of the spectral emission characteristics of argon—tungsten and argon—uranium induction heated plasmas, 23:34409 (N-69-22920)
MARTENS, B. K. Development of research in sterilization techniques for agricultural insect pests in USSR, 24:32300
Effect of ionizing radiation on viability and frequency of occurrence of morphological variations of fungus Beauveria bassiana (bals.) vuill, 23:48258
Use of γ radiation for sterilization of insect pests of crops, 24:935
Using gamma rays for sterilization of harmful insects, 22:43510
MARTENS, C. P. Electromagnetic backscattering from a random plasma slab, 24:15368
Electromagnetic scattering from underdense random plasma slabs, 24:1457
MARTENS, Christopher S. Mechanisms of iodine injection from the sea surface, 25:26380 (CONF-700601-, pp 319-24)
MARTENS, D. C. Rack and shaker for determination of Mo in plants and soils, 24:20698
MARTENS, E. J. Fractionization of the octupole strength in ^{90}Zr, 21:33993
Inelastic scattering of alpha particles from ^{64}Zn and ^{66}Zn, 25:3630
Zirconium-90 and ^{92}Mo(α,α') reactions at 31 MeV, 22:48534
MARTENS, F. H. Argonne variable-temperature rodded-zone facility, 24:7173
Use of research reactors at Argonne National Laboratory, 23:47255 (CNM-R-2(Vol.3), pp 1248-55)
MARTENS, H. Improvement of superconducting Nb cavities by anodic oxide films, 25:38295
MARTENS, R. I. Large scale processing of highly irradiated plutonium by solvent extraction and ion exchange, 21:32244
MARTENS, U. Production of ^{7}Be, ^{22}Na, ^{24}Na, and ^{28}Mg by irradiation of ^{27}Al with 52 MeV deuterons and 104 MeV alpha particles, 24:28733 (KFK-1083)
MARTENS, Uta Measured differential cross sections for elastic and inelastic scattering of 104-MeV α particles, 25:43832 (NP-18920)
Production of ^{7}Be, ^{22}Na, ^{24}Na, and ^{28}Mg, 24:26619
MARTENS, V. K. Agricultural pests sterilized by gamma-radiation, 23:10128 (JPRS-47070)

MARTENSEN, D. Rates at which colony forming units and erythropoietin responsive cells recover after 200 R total body x irradiation, 22:43389 (ACRH-28, pp 14-22)
MARTENSSON, Bengt Dosimetry with LiF—Teflon dosimeters, 21:22177
MARTENSSON, Bengt K. A. High precision dosimetry using thermoluminescent LiF, 23:7865 (CONF-680920-, pp 936-43)
  Thermoluminescence of LiF, 23:9760
MARTENSSON, M. Construction costs of nuclear power plant, 24:16091
  Economics of uranium enrichment by gaseous diffusion, 24:9608
  Separation properties of gaseous diffusion barriers, 23:50077
  Swedish studies on the economics of uranium enrichment, 25:46600
  Swedish studies on the economics of uranium enrichment, 25:54921
  Uranium for power generation, 22:2251
MARTER, W. L. Ground waste disposal practices at Savannah River Plant, 22:16798
  Guides limiting the release of radionuclides by Savannah River Plant, 22:43321
  Monitoring of tritium in gases, liquids, and in the environment, 25:39437
MARTH, W. Cryogenic equipment and techniques for irradiation at low temperatures and for production of cold neutrons, 22:12122
  In-pile operation of a thermionic converter, 23:34925
MARTH, Willy Irradiation technique at research reactors, 25:1940
MARTHY, G. T. Search for high-energy pulsed gamma rays from pulsars, 25:40238
MARTHY, P. V. R. Search for high-energy pulsed gamma rays from pulsars, 25:40238
MARTI, J. KINF: program for two-dimensional reactor cell calculations, 23:33040 (ORNL-tr-2115)
  KINF, program for two-dimensional reactor cell calculations by Monte Carlo method, 23:13571 (EIR-140)
MARTI, J. T. New method for solution of the transport equation in slab geometry, 24:49232
  S/sub infinity/ neutron transport theory in plane geometry, 22:18093
  S/sub infinity/ transport theory in plane geometry, 22:44574 (EIR-105)
MARTI, Juerg T. Origin and characteristic value problem of neutron transport theory, 21:31688
MARTI, K. Solar wind gases, cosmic ray spallation products, and the irradiation history, 24:21533
MARTI, Kurt Isotopic composition of trapped krypton and xenon in chondrites, 22:13185
  Mass-spectrometric detection of cosmic-ray-produced ^{81}Kr in meteorites and possibility of Kr—Kr dating, 21:15524
  Solar-type xenon, 24:4866
MARTIAL-LASFARGUES, C. Myelo-restorative capacities and immunocompetence of bone marrow cells of the mouse cultivated in vitro, 25:26942
MARTI-BALAGUER, L. Evaluation of zircaloy—stainless steel metallurgically bonded joints, 22:43543 (WCAP-3374-7-P)
MARTI-BALAGUER, Leopoldo Furnace brazing Inconel 718 for nuclear reactors, 21:24738
MARTIENS, Christian Use of negative surface ionization for isotopic analysis or detection of elements with a high electron affinity, 25:15478
MARTIN, A. Absolute upper bounds for $\pi\pi$ scattering, 22:3388
  Absolute upper limit of pion—pion scattering amplitude, 22:13746
  Analytic properties of scattering amplitudes from field theory and unitarity, 22:18034
  Borssele Nuclear Power Plant (KCB). II, 24:35944
  Collision rings at CERN, 21:11895
  Construction of KWO, 23:15583
  Construction of the scattering amplitude from the differential cross-sections, 23:10861
  Crossing conditions for the pion—pion amplitude, 23:46710
  Design of pressurised water nuclear power stations, 22:14195
  Determination of rhenium by neutron activation in sedimentary rocks, 23:21665 (CONF-670649-30)
  Existence of solutions of partial-wave dispersion relations and singular N/D equations, 21:27452
  Geometrical restrictions on pion—pion partial waves, 21:18986
  Industrial nuclear power plants using pressurized water reactors, 24:4114
  Inelasticity and uniqueness of the scattering matrix, 21:29530
  Iodination of proteins of human thyroid, 23:38434
  Monitoring system for the assessment of reactor shield performance, 25:57779
  New rigorous inequality on $\pi^0\pi^0 \to \pi^0\pi^0$ s-wave amplitude, 23:5609
  Operations program of the KWO up to first criticality, 23:15584
  Pade approximants and the anharmonic oscillator, 24:10817
  Polynomial behaviour of scattering amplitudes, 24:1667
  Positive spectral functions in Mandelstam representation, 23:30747
  Pressure-proof completely enclosed reactor containment structure, 22:18643
  Radioisotopes in chemistry, 23:24113 (CONF-670649-1)
  Rigorous inequalities on $\pi\pi$ partial wave amplitudes, 24:30507 (CONF-690521-, pp 715-25)
  Rigorous inequalities on S and P waves for π—π scattering, 24:15559
  Smoothing Veneziano, 23:37018
  Sodium chloride as spectral buffer in emission spectrography, 25:10454
  Some consequences of analyticity and unitarity, 22:13747
  Some exact results on $\pi\pi$ scattering, 25:19991
  Theorem of uniqueness, 22:7497
  Thermal volatilization of ^{137}Cs, ^{210}Po, and ^{210}Pb from in vivo labeled samples, 24:565
  Unitarity, analyticity, and cross symmetry for $\pi + \pi \to \pi + \pi$ scattering, 24:18160 (CONF-690330-, pp 226-36)
  Violation of Pomeranchuk theorem and zeros of scattering amplitudes, 25:43576
MARTIN, A. D. Calculation of the ΛantiKN coupling constant using a new KN forward dispersion relation, 21:44384
  Comparison of $K^{+-}p$ and $K^{+-}n$ dispersion relations with experiments, 22:24667
  Comparison of the high energy models for neutral meson photoproduction and the related hadronic processes, 25:56458
  Consistency tests of low-energy K^-p parametrizations, 23:32740
  Consistent prediction for the ΛKN coupling constant, 23:32732
  Coupling (ΛKN) and extrapolation below the anti KN threshold, 25:30902
  Determination of $K^{+-}p$ forward amplitudes and coupling constants, 25:1534
  Elementary particle theory, 25:33592
  Hypercharge exchange line-reversed reactions and asymptotic models, 25:50143
  K-matrix analysis of the low-energy data for K^-p and K_2^0p reactions, 24:49523
  Low-energy K^+p scattering data, 23:25627
  ΛKN coupling and backward scattering, 24:40388
  Models of $Y_0^*(1405)$ and low-energy anti KN interactions, 25:30876
  Prediction for ΛKN and ΣKN coupling constants from energy dependent finite energy sum rule, 22:22404
  Regge cuts and asymptotic sum rules for πN forward scattering, 25:9800
  Regge poles with kinematic cuts in π N backward scattering, 24:35663
MARTIN, A. E. Rapid procedure for preparing gas samples for ^{15}N determination, 25:23
  Sodium-fuel interactions, 25:32803
MARTIN, A. F. Apparatus for producing controllable chain reaction, 23:15614
MARTIN, A. H. Obrigheim, the KWO nuclear power station with a Siemens PWR, 21:46889
MARTIN, A. H. M. Compact radio sources in the galactic nucleus, 25:58555
MARTIN, A. W. Asymptotic gravitational field of the electron, 22:44378
  Impossibility of positive double spectral functions, 23:25609
  l-plane and Khuri-plane singularities in Veneziano model, 24:18299
  Self-energy considerations in general relativity and the exact fields of charge and mass distributions, 21:37641
MARTIN, Alex Content and distribution of stable Sr and ^{226}Ra in human skeletons from Wisconsin decedents, 1957—1961, 22:38267 (UCRL-18140, pp 175-95)
  Content and distribution of stable Sr and ^{226}Ra in human skeletons, 23:33615
  Radiological surveillance studies at a boiling water nuclear power reactor, 24:26708 (BRH/DER-70-1)
MARTIN, Alexander Nucleon—nucleon scattering in the one-boson-exchange approximation, 25:20024
  Scalar nonet, semileptonic K decays, and spectral-function sum rules, 23:15090
MARTIN, Alfred John Improvements in or relating to ferrous alloys, 22:43555
MARTIN, Andre Analytic properties of scattering amplitudes, 21:29645
  Analytic properties of scattering amplitudes from field theory and unitarity, 21:44445 (BNL-11700)
  Axiomatic proof of superconvergence relations, 22:39359 (CERN-68-7(Vol.1), pp 471-7)
  Axiomatic proof of superconvergence relations, 22:39497
  Can one continue the scattering amplitude through the elastic cut, 24:49614
  Extension of axiomatic analyticity properties for particles with spin, and proof of superconvergence relations, 23:3832
  Extention of axiomatic analyticity domains and proof of superconvergence relations, 24:8751
  Remarks about the Pomeranchuk theorem, 24:24339
  Scattering theory: unitarity, analyticity, and crossing, 24:26516
  Some analyticity properties of the two-body scattering amplitude, 22:7501
  Unitarity in field theory, 23:30801
MARTIN, Anna J. Composite model of Σ, 22:11679
  Direct and crossed Watson terms in three-body final-state interactions, 25:1655
MARTIN, Arno Construction and thermal layout of 300 MW block unit in Obrigheim nuclear power station, 22:14182
  Pressurized-water reactors, progress and possible developments, 23:15565
MARTIN, Arthur W. N/D solution of the n-pole problem, 22:3544
  Regge-pole inelasticity, partial waves, and a model for the S matrix, 23:42659
  Structure of unitary scattering amplitudes, 21:44461
  Structure of unitary scattering amplitudes. II, 23:7184
  Unitarity and Mandelstam representation. I, 22:3545
  Unitarity and the Mandelstam representation. II, 22:50478
MARTIN, B. Decay of ^{131}Cs, 24:43396
  First forbidden decay of ^{170}Tm, 23:15437
  High-resolution β-ray spectrometer, 24:33922
  Internal conversion investigations on 42 keV E3 transition in ^{191}Ir, 25:48107
  Internal conversion of the 57.54 keV E1 transition in ^{180}Hf, 25:5731
  Measurements of polarization of protons from deuteron photodisintegration, 23:19143
  Nuclear structure effect in internal conversion of N- and O-shell electrons, 23:37202
  Nuclear-spectroscopic investigation on ^{6}Li, ^{42}K, ^{86}Rb, ^{141}Ce, ^{144}Ce, ^{144}Pr and ^{203}Hg, 22:53105
  Transient behaviors in a nuclear power plant, 24:31064
MARTIN, B. A. Operating system for BNL low energy accelerator facility computer, 24:8761 (CONF-690301-, pp 212-17)
MARTIN, B. M. Fast straining tests at 400°C on enriched alloy fuel elements, Addendum, 22:40331 (NP-17544)
MARTIN, B. R. Basic statistics for physicists, 22:41697 (BNL-12602)
  K^+p partial-wave amplitudes below 2 GeV/c, 25:22823
  K^+p phase shift analysis, 21:2383
  K^+p phase-shift analysis below 1500 MeV/c, 22:15808
  K^+p scattering and a possible Z^* resonance, 22:52945
  Kaon—nucleon interactions below 1 GeV/c, 25:30882
  Low-energy anti KN and pion—hyperon interactions. I, 23:46724
  Low-energy anti KN and pion—hyperon interactions. II, 23:46725
  Models of $Y_0^*(1405)$ and low-energy anti KN interactions, 25:30876
  Neutral kaon decays into lepton pairs, 24:40336
  Neutral kaon decays into muon pairs and violation of CP invariance, 25:59544
  Of $K \to \pi\pi(I=2)$ amplitudes and violation of CP invariance, 22:3357
  Phenomenological description of K/sub S/ $\to$ 2γ and K/sub L/ $\to$ 2γ decays, 23:8828
  Recent work in weak interactions, 21:40190
  S- and P-wave K^+p scattering below 600 MeV/c, 25:59489
  s-wave K^+p dynamics, 23:5629
  Semiphenomenological calculation of low-energy s-wave π-N scattering, 22:3432
MARTIN, Barbara A. Exercise performance of upper-body x-irradiated dogs, 23:20384
MARTIN, Brooks C. Solvent extraction process for separating gadolinium from terbium and dysprosium, 25:48585
MARTIN, Byron Dale Low-temperature heat capacities of α-Mn, Cs, and Rb, 23:14697
MARTIN, C. F. Detour transitions in internal bremsstrahlung, 23:49460
MARTIN, C. G. Testing of instruments and material balance methods for plutonium safeguard control, 25:4297
MARTIN, C. R. Optical properties of some transition metals, 22:13556
MARTIN, C. S. Behavior of different ionization gages at very low pressures, 21:34438
MARTIN, Charles L. Cancer of the eye and surrounding structures, 23:29693
MARTIN, Christian Forward and backscattered components of secondary electron flux in nonequilibrium zones, 23:14858
  Ionization and absorbed energy in environment subjected to γ rays, 23:51887
MARTIN, D. Effects of methyl hydrazine and O on radiosensitivity of E. coli, 21:22589
  G 1 reactor, 24:13612
  Optimization of the power of the G2 and G3 reactors, 21:27765
MARTIN, D. C. Adhesive bonding of stainless steels, 22:19517 (NASA-SP-5085)
  Electron-beam welding of beryllium, 22:8712
  Lockheed—Aerospace eclipse expedition, 24:37122
  Preliminary weldability evaluations of tantalum alloys, 21:9121
  Welding of precipitation-hardening stainless steels, 22:21671 (NASA-SP-5087)
MARTIN, D. G. Calculation of differential neutron scattering cross sections of point defects in a relaxed lattice, 25:31163 (AERE-R-5682)
  Effect of irradiation temperature on the scattering of long wavelength neutrons by defects in neutron-irradiated graphite, 21:33534
  Further calculations of neutron scattering cross sections of point defects in a relaxed lattice, 23:3550 (AERE-R-5841)
  Mathematical formulation of the scattering of long wavelength neutrons by defects in solids, 22:1291 (AERE-R-5479)
  Migration of equilibrium gas bubbles, 23:51044
  Observation of radiation-induced defects in BeO by means of long-wavelength neutron-scattering measurements, 21:20601
  Quantitative studies of nuclear structure through isobaric analog resonances, 25:38994 (ORO-2972-189)
  Quantitative studies of nuclear structure through isobaric analog resonances, 25:56769
  Radiation damage effects in containment vessel of thermonuclear reactor, 25:25164
  Radiation damage effects in the containment vessel of a thermonuclear reactor, 25:5114 (CLM-R-103)
  Reaction ^{88}Sr(d,p)^{89}Sr, 24:52526
  Small defect clusters in irradiated magnesium oxide, 22:24474
  Summary of electron-microscope contrast theory, 21:39284 (AERE-R-5499)
MARTIN, D. H. Injection of intense, large-diameter ion beams into low-density gases, 21:3653
  Ion-gas total cross sections, 25:7176
  Low-lying crystal-field spectra of rare earth compounds, 22:15588
  Magnetism in solids, 21:21105
  Survival and interferon levels in x-irradiated viral infected mice, 22:51999
MARTIN, D. J. Review of low temperature specific heats of the actinides, 25:11384
  Transfer of He film between 0.3K and lambda point, 25:52734
  Transitions between analog states of ^{55}Fe, 25:50677

- MARTIN, D. L. Cast permanent magnets of Co, Cu, and Ce: process and performance characteristics, 25:27884
  - Cobalt—mischmetal—samarium permanent magnet alloys: process and properties, 25:36336
  - Cobalt—samarium permanent magnets prepared by liquid-phase sintering, 24:44693
- MARTIN, D. M. Magnetic properties of gadolinium orthovanadate, 25:5217
- MARTIN, D. T. Phosphorescent components in CsI(Tl) and CsI(Na), 25:18648
- MARTIN, D. U. Directional correlation in ^{88}Sr, 24:49835
- MARTIN, D. W. Analysis of recoil ions produced by fast protons in He, 24:26006
  - Cross sections for ion and electron production in gases by 0.15- to 1.00-MeV H and He ions and atoms, 23:25140
  - Differential scattering of He ions on targets of He, Ne, and Ar, 25:7184
  - Mobilities of mass-identified H_3^+ and H^+ ions in H, 22:38791
  - Prog. rpt. on ionization and charge transfer cross sections, annual, 12/1/66—11/30/67, 22:5043 (ORO-2591-34)
  - Prog. rpt. on ionization and charge transfer cross sections, 12/67—11/68, 23:6877 (ORO-2591-38)
  - Prog. rpt. on ionization and charge transfer cross sections, annual, 12/68—11/69, 24:6360 (ORO-2591-43)
  - Reactions of H^+ in H_2 and D^+ in D_2, 22:41376
  - Scattering of He^+ ions by noble gases at high energies, 24:6359 (ORO-2591-42)
- MARTIN, David Mechanism of action of radiation protective agents: in vivo distribution and metabolism of cysteamine-S-phosphate (MEAP), 25:26805
  - Mechanism of radiation hemolysis in human erythrocytes, 23:20117
  - Protection of DNA against ionizing radiation by Actinomycin D in vitro, 25:21594
  - Protective action of GED against radiation damage to DNA, 22:2525
- MARTIN, DeCourcey Field studies of uptake of fission products by marine organisms, 21:18017
- MARTIN, Dennis C. High frequency parameter techniques, 25:37169 (BDX-613-347)
- MARTIN, Dominique Reactions in solution in BrF_3. The U—alkaline fluorides, 21:1344
- MARTIN, Don S. Jr. Acid hydrolysis and isotopic exchange of tetrabromoplatinates with bromide ion, 21:10345
  - Isotopic exchange of bromide ligands in Pt(II) complexes, 21:23880
- MARTIN, Donald C. Extracorporeal irradiation in goats and man, 22:10866
- MARTIN, Donald H. Kinetics of ionic and free radical chain reactions in radiation chemistry, 23:24256
  - Radiation-induced isomerization of 1-bromobutane by a free radical chain reaction, 23:35135 (ORO-2968-45)
  - Radioinduced isomerization of 1-bromobutane by free radical chain reaction, 24:16616
- MARTIN, Donald Houston Radiation-induced reactions in alkyl bromides, 21:24047
- MARTIN, Douglas L. Use of pure copper as a standard substance for low temperature calorimetry, 22:4525
- MARTIN, Dudley James Victor Control means for nuclear reactor, 21:46990
  - Improvements in or relating to reactivity control of nuclear reactors, 22:20973
  - Nuclear reactor fuel element assemblies, 24:47863
  - Nuclear reactors, 23:2144
  - Nuclear reactors, 24:24844
  - Nuclear reactors, 25:54065
- MARTIN, E. Current extractions channel of Nevis synchrocyclotron conversion project, 25:50355
  - Design studies for an ultra-thin septum extraction channel for modified NEVIS synchrocyclotron, 25:31106
  - Extraction from the modified Nevis synchrocyclotron, 23:28033
  - Nevis synchrocyclotron conversion project, 23:28030
  - Nevis synchrocyclotron conversion project, 24:52347
  - Nevis synchrocyclotron conversion project, 25:31155
- MARTIN, E. B. M. Delayed neutron yields from 14.8 MeV neutron induced fission of ^{235}U, ^{232}Th, and ^{231}Pa, 25:34150
- MARTIN, E. C. Effects of radiation on municipal and industrial wastewaters, 23:50960
  - Irradiation-grafted polymeric films. I. Preparation and properties of acrylic acid-grafted polyethylene films, 25:23604
  - Radiation-induced copolymerization of monomers to fibres, 24:29337
  - Radiation-induced copolymerization of styrene and cellulose at low dose rates, 25:18446
  - Separation of alkali metals by solvent extraction with mixtures of organic-soluble acids and phenols, 22:16691
- MARTIN, E. H. Conduction induced by electron bombardment in polymer films, 23:15917
- MARTIN, E. J. Design of secondary beam channels for Nevis synchrocyclotron conversion program, 25:50469
- MARTIN, E. R. Evidence for a new production process for 10^{12}-eV muons, 22:7180
  - Production of π^{+-} mesons by 730-MeV protons incident on various nuclei, 25:53226 (LA-DC-12944)
- MARTIN, Edward Radiation damage studies with low-energy hydrogen isotopes, 25:3187 (CONF-700322-, pp 63-77)
- MARTIN, Elgin Ray Zenith-angle dependence of the muon flux deep underground, 22:38830
- MARTIN, Emile Extraction of a beam of heavy ions accelerated in a stellar field cyclotron by stripping, 21:11875 (ORNL-tr-1469)
- MARTIN, F. Calibration, precision, and filtering questions for the CERN Spiral Reader, 25:13235 (CERN-70-21(Vol.1), pp 5-18)
  - Computer-controlled system for measuring bubble chamber and spark chamber film, 22:23322 (SLAC-81)
  - Experimental limit on high-energy diffraction photoproduction of phi meson, 21:44304
  - Hard-photon emission in e^+e^- reactions, 25:22742
  - High energy, small phase-space volume muon beam, 23:19107
  - Incorporation of radiosulphate in gastric mucosa of rat, 23:16242
  - Investigation of 1.4 GeV/c^2 nucleon isobar in proton—proton interactions, 23:7083
  - Muon—proton inelastic scattering and vector dominance, 24:3501
  - Muon—proton inelastic scattering, q^2 less than 1.2 $(GeV/c)^2$, 24:3500
  - Observation of $Y^{*+}(1385)K^+$ and $N^{*++}(1236)$rho^0 decays of a nucleon resonance, 22:44327
  - Production of K mesons in three-body states in proton—proton interactions at 6 GeV/c, 22:15675
  - Search for new particles produced by high-energy photons, 22:50281
  - Secondary particle yields at 0° from the new Stanford electron accelerator, 21:17228
- MARTIN, F. D. Nuclear sizes by measuring total cross sections for fast neutrons, 23:47069
  - Total neutron cross sections of ^{9}Be, ^{14}N, and ^{16}O, 22:20449 (CONF-680307-15)
- MARTIN, F. G. Pectinesterase activity in irradiated valencia oranges, 23:29932
- MARTIN, F. I. R. Hypothyroidism following treatment of thyrotoxicosis with radioiodine, 22:49623
- MARTIN, F. J. Reflection of gaseous detonation waves, 22:12168 (KAPL-M-7026)
- MARTIN, F. S. Practical experience in the production of high-density components to accurate dimensions from fine powders, 22:7049
- MARTIN, F. W. Calorimeter for high-energy electron beams, 22:6659
  - Charge-state populations of 5- to 36-MeV channeled oxygen and carbon ions, 23:16898
  - Concentration of 400 keV channeled P ions in Si, 24:40164
  - Electron-capture processes 10- to 40-MeV O ions in He, N, and Ar, 25:55869
  - Electron-transfer cross sections for O ions in Ar, N, and He at 7 to 40 MeV, 25:55870
  - Integrated E and dE/dx semiconductor particle detectors made by ion implantation, 23:43526
  - Measurements on silicon implanted with channeled and nonchanneled dopant ions, 22:26490
  - Position sensitive detectors made by ion implantation in silicon, 22:14789
  - Position-sensitive semiconductor particle detectors fabricated by ion implantation, 22:40388
  - Proton excitation of continuous emission in the noble gases, 24:46999
- MARTIN, Frederick Samuel Dispersion type nuclear reactor fuel elements, 21:46992
  - Improvements in or relating to nuclear reactor fuel element assemblies, 22:37610
  - Nuclear reactor fuel elements, 24:26778
  - Nuclear reactors, 22:20971
- MARTIN, G. Considerations on the relation between creep under irradiation and the defects produced by irradiation in the absence of strain, 25:22133
  - Nondestructive testing techniques for honeycomb heat shields. II, 22:271 (N-67-19360)
  - Study of the failure behavior of filamentary reinforced metal matrices, 22:26046
- MARTIN, G. C. Analytical procedures and applications of fluence determinations from EBR-II flux wires, 24:4042 (GEAP-5744)
- MARTIN, G. D. Lead shielded Dewar development, 25:36192 (MATT-846)
  - Levitated ring in FM-1, 25:45504 (MATT-842)
  - Operation of a levitated superconducting ring in a plasma physics experimental device, 25:14356
  - Princeton floating multipole-superconducting ring progress, 23:30488
  - Stabilized, levitated superconducting rings, 22:29455
- MARTIN, G. E. Trace component distribution in illicit spirits by neutron activation analysis, atomic absorption, and gas—liquid chromatography, 22:27556
- MARTIN, G. R. Radiochemical studies of fission induced by 14.7 Mev neutrons. III, 21:1111
  - Some chain yields in asymmetric fission of ^{232}Th, 23:4007
- MARTIN, Gayle P. Relativistically interstreaming bounded plasma interactions, 23:18641 (AD-672283)
- MARTIN, Gayle Patrick Relativistically interstreaming bounded plasma interactions, 23:8628
- MARTIN, George Effect of space charges on the high-temperature fatigue of nickel, 22:37955
  - Investigation of long-term exposure effects under stress on supersonic transport structural alloys, 21:6802 (N-66-30400)
- MARTIN, Georges Improvements in nuclear reactors, 23:23905
  - Tube block for reactor vessel, 24:53005
- MARTIN, Gerard J. Determination of deuteriation levels in organic molecules by nuclear magnetic resonance, 24:2132
- MARTIN, Gordon E. Airborne precipitation collector, 22:19012
- MARTIN, Guy Connector, 24:46550
- MARTIN, H. Late cervical radionecrosis after surgery, 22:25977
  - Measurement of the neutron total cross section of ^{240}Pu, 22:18293
  - Regulation and safety, 25:21732
- MARTIN, H. C. System effectiveness goals for Fast Flux Test Facility, 24:11221 (BNWL-791)
- MARTIN, H. J. Associated resonance production in π^-p interactions at 6 GeV/c, 23:1605
  - Double-Regge-pole model analysis of $\pi^-p \rightarrow \pi^-\pi^-\Delta^{++}$, 24:15486
  - Double-Regge-pole model analysis of $\pi^-p \rightarrow \pi^-\pi^-\Delta^{++}$ at 6 GeV/c, 24:49330
  - Event selection in bubble chamber data analysis, 22:49121
  - PEPR, 25:6564 (MIT-2098-660, pp 76-84)
  - $\pi^-p \rightarrow \pi^-\pi^+\pi^-p$ reaction at 6 GeV/c, 24:40279
- MARTIN, H. J. Jr. Observation of reaction $\pi^-p \rightarrow N^{*+}\pi^-$, $N^{*+} \rightarrow \pi^-p\pi^+$ at 6 GeV/c, 22:39283
  - Reaction $K^-n \rightarrow K^-\pi^-p$, 23:13042
  - Six-pronged π^-p interactions at 6 GeV/c, 24:24243
  - Study of the $K^-d \rightarrow K^-\pi^+\pi^-pn$ reaction at 2.24 GeV/c, 23:23385
  - Two-prong + K_1^0 events in K^-d interactions at 2.24 GeV/c, 21:37710
- MARTIN, H. R. Reaction gamma-ray interferences in the passive assay of plutonium, 25:51386 (CONF-710617-15)
- MARTIN, H.-D. Simulator training of operating personnel for nuclear power plants, 24:40793
- MARTIN, Harold Rodney Decay schemes of the neutron-rich rare earth nuclides, ^{162}Tb, ^{164}Tb, ^{148}Pr, and ^{143}Ce, 22:11974
- MARTIN, Hayes Radiation-induced skin cancer, 24:17153
- MARTIN, Henri High-temperature reactors and the steel industry, 23:15700
- MARTIN, Hugh Allan Nuclear reactors, 22:39802
- MARTIN, I. Direct electron microscopic observation of the origin of radiation damage in metals, 22:4840
  - Extraterrestrial γ-ray contribution between 0.7 and 4.5 MeV, 25:58832
- MARTIN, I. M. Monte Carlo simulation of an organic scintillator response of gamma-ray spectra, 25:48977
- MARTIN, J. Activation analysis of Te, Cl, Tl, and Ni in Se, 24:2155
  - Deactivation of chromosorb G by chromatography in vapor phase, 23:2353
  - Distribution and fate of ^{86}Rb in inbred wistar rats, 22:12760 (UCRL-Trans-10175)
  - Experimental problems in the Doppler-shift attenuation method, 23:52126
  - Lifetimes in ^{32}P and ^{33}P, 23:17090
  - Lifetimes in some even nuclei in the s-d shell, 24:20366
  - Localization of impurities in activation analysis by analyses of semiconductor Si, 24:169
  - Pneumatic irradiation device with the Lyon synchrocyclotron, 22:29809
  - Rapid pneumatic transfer system for irradiation by 14-MeV neutrons, 21:16253
  - Scattering of 6-MeV neutrons from light nuclei, 22:32526
  - Some information gathered from rapsodie operation, 24:22462
  - Zirconium-95 and ^{95}Nb in human lungs and atmospheric dust during 1963, 21:8703
- MARTIN, J. A. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)
  - Discrepancies in carbon determination by deuteron activation analysis from carbon from the accelerator, 25:46449
  - Experimental separated-orbit cyclotron (4 MeV), 21:38091
  - Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
  - Four-MeV experimental S.O.C.: review, 22:41896 (RHEL/M-124, pp 133-44)
  - Heavy-ion accelerator facility featuring a separated-sector isochronous cyclotron, 25:31084
  - Isochronous cyclotron with tandem injector for heavy ion acceleration, 23:28127
  - Oak Ridge 50 MeV S.O.C. development program, 22:41895 (RHEL/M-124, pp 109-32)
  - Recent progress on a supercurrent separated orbit cyclotron, 21:29763
  - Response of dosimeters to ^{60}Co and pulsed electron irradiations, 25:35034
  - Separated-orbit cyclotron (4 MeV), 23:28044
  - Strontium fluoride as a thermoluminescent dosimeter, 23:26596
  - The 4-Mev experimental SOC: design details, 21:993 (ORNL-P-2358)
  - Use of LiF (TLD 700) for doses greater than 0.1 M rad, 22:25675
- MARTIN, J. A. Jr. Design and operating experience of Haddam Neck Nuclear Plant, 23:28401
- MARTIN, J. C. 2.5 Megagauss from a capacitor discharge, 22:21262
  - Cage reactions in the thermal decomposition of acetyl peroxide, 22:10219
  - Characteristics of barriers for gaseous diffusion, 23:50078
  - Improvements in performance of a liquid helium scintillation counter, 25:4321 (LA-4465, pp 31.1-2)
  - Improvements in performance of a liquid helium scintillation counter, 25:51874
  - Polarized proton target, 24:38026
- MARTIN, J. D. Electron detachment in collisions of O^-, OH^-, and O_2^- ions with rare-gas atoms, 24:19767
  - Reactions of low-energy O^- ions with D_2 and H_2, 22:47824
- MARTIN, J. D. Jr. Trauma to the rectum, 23:29593
- MARTIN, J. E. Emergency planning by public health agencies in USA, 24:7875
  - Environmental tritium contamination from utilization of nuclear energy sources, 24:7830
  - Public Health Service role in providing information relative to the nuclear power controversy, 25:56981
  - Radioactivity from fossil fuel and nuclear power plants, 24:45911 (CONF-700810-24)
- MARTIN, J. F. Measurement of entropy of some U compounds, 22:4114
  - Techniques for the measurement of entropy and their application to some uranium compounds, 21:32981
  - Thermodynamic properties of U compounds. III, 21:14218
  - Thermodynamic properties of uranium compounds. IV, 22:31470

- MARTIN, J. G. Thermodynamic parameters and solvent isotope effects as mechanistic criteria in the neutral hydrolysis of some alkyl trifluoroacetates in water and deuterium oxide, 22:73
- MARTIN, J. H. Characteristics of self-adaptive damper for vertical beam instability in Zero Gradient Synchrotron, 22:32290 (CEAL-2000, pp 356-9)
  - Conference on some aspects of Sr metabolism, Chapelcross, Glasgow, and Strontian, Scotland, 5/66, 21:45558
  - Damping of the coherent vertical beam instability in the Argonne ZGS, 21:29748
  - Dayside magnetic disturbances at 1100 kilometers in the auroral oval, 21:13449
  - Effects of marine biosphere, hydrosphere and geosphere upon specific activity of contaminant radionuclides, 23:29466 (CONF-690406-10)
  - New scheme of beam extraction of the Argonne ZGS, 21:38081
  - Prog. rpt. on health and safety research, annual, 1966, 21:26418 (PG-Report-771)
  - Prog. rpt. on marine biology, 6/66—6/67, 22:21407 (PRNC-104)
  - Prog. rpt. on radiobiology research unit, annual, 1968, 23:29712 (PG-Report-897)
  - Prog. rpt. on radiobiology research, annual, 1967, 22:45508 (PG-Report-826)
  - Radiation damage to orbiting solar cells and transistors, 21:8664
  - Radiation damage to thin silicon solar cells, 21:41866
  - Transverse magnetic disturbances in auroral region, 21:2126
- MARTIN, J. J. Current trends in radiological protection by Electricite de France in its nuclear power plants, 25:53990 (A/CONF.49/P-848)
  - Diffusion of gaseous effluents from a nuclear center, 23:12105
  - Health physics considerations, 25:39176
  - Thermal conductivity of high-purity thorium, 24:10072
  - Thermal conductivity of magnesium stannide, 22:3166 (IS-1712)
  - Thermal conductivity of some cubic sodium tungsten bronzes, 24:19411 (CONF-691002-, pp 234-8)
- MARTIN, J. K. Analysis of neutron distributions in ZPPR/FTR-2 shield experiments, 25:6124
  - Radiation analysis and shielding requirements, 24:11272 (WARD-3762-8)
- MARTIN, J. L. Partial dislocations in sub-stoichiometric tantalum carbide, 23:14399
  - Stacking faults in a non-stoichiometric face-centered cubic TaC, 21:37564
  - Stress changes in Ta carbide with deformation rate and temperature (1,200 and 2,200°C), 25:58395
- MARTIN, J. M. Metabolism of radioactive calcium by cartilage, 22:51341
  - Phase diagram of systems U—UN—UO_2 and UO_2—UN—N_2, 24:14951
  - Phase relations between the two varieties of uranium sesquinitride, 23:8326
  - Radioactive turbidity gages, 25:44711
- MARTIN, J. P. Computer code for calculation of absolute areas of overlapping peaks in energy spectra, 24:44310
  - Double scattering proton polarimeter, 24:44277
  - Heavy negative ion source, 24:30623
  - Prog. rpt. on neutrons above atmosphere in near-earth space, final, 6/1/63—1/31/66, 21:18469 (AD-635525)
- MARTIN, J. R. Distribution, residence time, and inventory of tritium in Sedan crater ejecta, 25:29244 (UCRL-72572)
  - Distribution, residence time, and inventory of tritium in Sedan crater ejecta, 25:37512
  - Ecology and radiation exposure of kangaroo rats living in a tritiated environment, 25:6666
  - Importance of tritium in the civil defense context, 25:37793 (UCRL-73085)
  - Measurement of transpiration in tropical trees with tritiated water, 25:15997
  - Radioecological studies of tritium movement in a tropical rain forest, 24:41491 (CONF-700101-(Vol.1), pp 422-38)
  - Tritium distribution, residence time, and inventory in Sedan crater ejecta, 25:4181
- MARTIN, J. Roger Chemical and mineral composition of Lost City meteorite, 25:40153
- MARTIN, J. T. Polarization of 22 MeV neutrons elastically scattered from liquid tritium, 24:15790
  - Shadow-bar design for fast-neutron scattering experiments, 22:322
  - TV test package, 22:45353 (LA-3957)
  - Use of Pu—α-Be as a calibrated gamma ray source, 22:36007
- MARTIN, J. W. Formation and stability of group IVA carbides and nitrides in Mo, 23:18279
  - Hardening of Mo-based alloys, 24:4796
  - Nitride hardening of a Mo—Ti alloy, 23:24919
- MARTIN, J. Y. Procedures used in the calibration of accounting tanks, 25:358 (PG-Report-991)
- MARTIN, Jacques Jean Pierre Contribution to study of binary system Ag_2O—Ta_2O_5, 22:33358
- MARTIN, James A. Electron beam radiation tests: maximum dose rate vs sample size, 21:26989
- MARTIN, James K. Improved flow counter for detecting β-emitting radioisotopes, 22:25644
- MARTIN, James Weldon Some effects of ionizing irradiation on the microfungal populations of Quercus rubrumlitter, 25:58150
- MARTIN, Jean Power—period calculation unit for reactor control, 21:13953 (CEA-R-3026)
  - Vascularization of solid tumor of mice, 21:45548
  - Winches used for the handling of nuclear materials, 24:48252
  - Winches used for the handling of nuclear materials, 25:8460
- MARTIN, Jean-Charles Experimental cytopathology: experimental study of the origin of alveolar macrophages of the rat, 25:41649 (LF-tr-52)
- MARTIN, Jean-Marie Contribution to the study of the uranium—oxygen—nitrogen system, 24:8196 (CEA-R-3801)
  - Cross section of ternary diagram U—O—N, 23:20556
  - Existence and nature of the oxynitrides of uranium, 22:33368
  - Physical metallurgy: section of ternary diagram U—O—N by plane UO_2—U_2N_3, 24:2946 (UCRL-Trans-10385)
  - Seasonal variations in the radioactivity of matter suspended in rivers, 25:21164
  - Solid discharge in estuary of Gironde, 24:2137
  - Use of natural radioelements in sedimentology, 22:30703
- MARTIN, Jeannette Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. I, 24:14409
- MARTIN, Jean-Paul Freezing system for pipes, 23:50005
- MARTIN, Jean-Pierre Changes in the oil content of irradiated lines of peanuts, 23:29446
- MARTIN, Jesus Study of metrics obtained by varying constrants of Kerr metric, 25:1593
- MARTIN, Joachim A. Neutron activation analysis and autoradiography of silicon, 24:19977
- MARTIN, Joan Ionizing irradiation: effects of repeated low-dose exposure, 22:51902
- MARTIN, Joan C. Escape/avoidance in rat after fetal x-irradiation, 24:21283
- MARTIN, Joel Jerome Thermal conductivity of magnesium stannide, 21:21051 (IS-T-149)
- MARTIN, John A. Innovations in isochronous cyclotrons, 25:31080
  - Trends in United States for acceleration of heavy ions, 25:25573 (ORNL-TM-3332)
  - Trends in US for acceleration of heavy ions, 25:45867
- MARTIN, John Christopher Improvements in or relating to high-voltage pulse-generating transformers and circuits for use therewith, 22:30908
- MARTIN, John David Experimental investigations of negative ion collisions, 23:1214
- MARTIN, John E. Photosensitized aquation reactions of $Cr(NH_3)_5(NCS)^{2+}$, 24:43931 (USC-113-P-10-X-1)
- MARTIN, John H. Apparatus for damping axial coherent beam instabilities in a synchrotron particle accelerator, 22:22518
  - Distribution of C, H, N, P, Fe, Mn, Zn, Ca, Sr, and Sc in plankton samples collected off Panama and Colombia, 24:17020
  - Radial beam instabilities in the Zero Gradient Synchrotron, 22:32304 (CEAL-2000, pp 423-7)
- MARTIN, John R. Leaching of radionuclides at Sedan crater, 22:40284 (UCRL-70630)
  - Persistence of radionuclides at sites of nuclear detonations, 23:45434 (UCRL-71867)
  - Postshot distribution and movement of radionuclides in nuclear crater ejecta, 24:41490 (CONF-700101-(Vol.1), pp 400-21)
  - Predicting tritium movement through a tropical rain forest, 23:28997 (TID-24933)
  - Radioecological studies of Amchitka Island. II, 24:27562 (UCRL-50786)
  - Radioecological studies, 24:653 (UCRL-50718, pp 43-56)
  - Recent measurements of ^{137}Cs residence time in Alaskan vegetation, 25:49122 (UCRL-72925)
  - Residual tritium at Sedan crater. II, 22:12465 (UCRL-50360)
- MARTIN, Jose Ginoris Magnetoplasma waves in strongly curved configurations, 25:56253
- MARTIN, Joseph W. Measuring the incombustible content of mine dust, 24:27301
- MARTIN, K. Argonne National Laboratory—Carnegie Institute of Technology 25-cm bubble chamber—superconducting magnet system, 21:16127 (CONF-660918-, pp 264-5)
  - Primary high-dosage ^{60}Co irradiation in advanced uterine cervix and vaginal cancer, 25:42598
- MARTIN, K. B. Construction of the 12-foot bubble chamber superconducting-magnet cryostat, 25:1147
- MARTIN, K. J. Production of lithium oxide by electron irradiation of lithium fluoride, 25:11964
- MARTIN, K. S. Detection of uv radiation by an electron channel multiplier, 22:321
- MARTIN, Konstantin High doses of ^{60}Co γ irradiation in advanced carcinoma, 23:43837
- MARTIN, L. C. Computer-aided circuit layout and design, 22:39972 (UCRL-70910)
- MARTIN, L. K. Relative role of eggs and adult worms in development of liver damage in mice infected with Schistosoma mansoni, 24:12226
- MARTIN, L. R. Differential elastic scattering of D_2 by N_2 in crossed molecular beams, 24:28108
  - Measurement of differential scattering of D_2—N_2, 23:34273 (CALT-767-P-4-44)
- MARTIN, Leslie Leon Crystal and molecular structures of selected organometallic compounds, 25:3959 (IS-T-390)
- MARTIN, Lester W. Laser in pediatric surgery, 23:38856
  - Surgical management of solid tumors in childhood, 23:33798
- MARTIN, M. Experimental study of production of charged pions in collisions protons-core at 600 MeV, 23:51856 (CERN-69-24)
  - Lung clearance: silicosis and anthracosis, 24:541 (CEA-CONF-1314)
  - Magnetic analysis in an inhomogeneous field, 23:19108
  - Mass spectrum of bosons from 500 to 2500 Mev in the reaction $\pi^- + p \rightarrow p + X^-$ observed by a missing-mass spectrometer, 21:886
  - Spin—parity analysis of 3π decays in the A_2 meson region, 23:14983
  - Test results of digitized wide-gap wire chambers, 21:36334 (CERN-67-13)
- MARTIN, M. J. Angular distribution measurements of gamma rays from resonance neutron capture, 23:34772 (ANL-7282, pp 290-5)
  - Gamma-ray spectra from resonance neutron capture using a reactor beam, 23:34735 (ANL-7282, pp 14-18)
  - High-resolution capture γ-ray measurements from thermal and resonance neutron capture in ^{118}Sn, ^{116}Sn, ^{122}Sn, and ^{124}Sn, 23:34781 (ANL-7282, pp 507-13)
  - Nuclear data sheets for A = 204, 25:39016
  - Nuclear data sheets for A = 209, 25:28376
  - Nuclear data sheets for A = 211, 25:28377
  - Radioactive atoms. Auger-electron, α-, β-, γ-, and x-ray data, 25:5716
- MARTIN, M. M. Development and fabrication of instrumented-plate advanced test reactor fuel elements, 22:53418 (ORNL-4268)
  - Effect of fuel concentration on the compressive strength of core materials used in research reactor fuel plates, 23:4323
  - Effect of powder and process variables on the properties of sintered aluminum products, 22:34017 (ORNL-TM-2215)
  - Effect of type and concentration of fuel on the void volume in aluminum dispersion-type fuel plates, 22:31527
  - Fabrication voids in aluminum-base fuel dispersions, 25:2806 (ORNL-4611)
  - Irradiation behavior of aluminum-base dispersions containing europium oxides, 22:11091 (ORNL-4199)
  - Irradiation performance of Al-base dispersion-type fuel plates, 23:36163
  - Postirradiation examination and evaluation of tungsten—urania cermets, 24:32519
  - Postirradiation examination and evaluation of tungsten—urania cermets, 24:34976 (ORNL-4569)
  - Status of europium compounds for reactivity control in nuclear reactors, 23:16514 (ORNL-4368)
  - Study of processes for SAP powder consolidation, 22:4858
- MARTIN, M. S. Incorporation of radiosulphate in gastric mucosa of rat, 23:16242
- MARTIN, M. Suzanne Yttrium oxide films prepared by electron-beam evaporation, 25:22159
- MARTIN, Margrit Problems concerning radiological examination of the paranasal sinuses, 25:13507
- MARTIN, Marilyn R. Instrumental neutron activation analyses of lunar specimens, 24:20730
- MARTIN, Maryvonne L. Determination of deuteriation levels in organic molecules by nuclear magnetic resonance, 24:2132
- MARTIN, N. X-ray spectroscopy related to the determination of electron-capture ratios, 23:43577
  - X-ray spectroscopy related to the determination of electron-capture ratios, 24:40601 (CNIE-IC-2)
- MARTIN, Nicole BD 61°2565: a star with particularly intense Sr, Eu, and Cr lines, 25:30063
- MARTIN, P. 2s atomic level in muonic ^{140}Ce, 25:1743
  - Electric quadrupole transitions in muonic ^{208}Pb, 25:4953
  - Nuclear gamma rays in ^{19}F following stopping pions, 24:52462
  - Prog. rpt. on deformation of anisotropic metals, final, 7/1/65—6/30/66, 21:13135 (AD-639314)
  - Reactions (p,d) on ^{40}Ca and ^{48}Ca, 24:43278
  - T = 4 states in ^{48}Ca and level structure of ^{48}K, 24:22104
- MARTIN, P. G. Infrared spectra of interstellar grains, 25:13933
  - Interstellar grain alignment by a magnetic field, 25:58647
  - Proposal for an x-ray analysis of interstellar grains, 24:28053
  - Ratio of total to selective extinction and the distance to the galactic centre, 25:52577
- MARTIN, P. J. Measurements of the differential cross section and polarization in proton—proton scattering at about 98 MeV, 22:37285
- MARTIN, P. M. Solid fission-products in irradiated uranium dioxide, 21:20596
  - Thin film windows for liquid hydrogen containment, 22:15495
- MARTIN, P. W. Associated particle time of flight system using a position sensitive detector, 25:44660
  - Effect of the lifetime of the intermediate ^{5}Li state in the reaction ^{6}Li(^{3}He,αp)^{4}He, 22:53122
  - Elastic scattering of 4.56-MeV neutrons on lead from 10 to 40°, 22:50630
  - Gamma rays from interaction of 14.1-MeV neutrons, 22:44642
  - Production of a partially polarized 4.56-MeV neutron beam using the associated particle method, 23:13157
  - Structure-dependent asymmetry in sequential breakup from reaction ^{6}Li(^{3}He,pα)^{4}He, 21:15498
- MARTIN, Paul C. Collective modes in superconductors, 23:27555
  - Fluctuations and correlations in superfluid helium, 22:46073
  - Review of recent microscopic theories of superfluid helium, 21:18586
- MARTIN, Paule-Noelle Forward and backscattered components of secondary electron flux in nonequilibrium zones, 23:14858
  - Ionization and absorbed energy in environment subjected to γ rays, 23:51887
- MARTIN, Peter G. Structure of rapidly rotating close binary systems, 24:32538
- MARTIN, Ph. 6+ level in ^{16}O, 24:38096 (ANU-P-491)
  - 6+ level in ^{16}O, 24:38125
  - Energy levels of ^{16}O in region of excitation between 13.5 and 15.0 MeV, 25:56681
  - Three-body break-up in reaction ^{7}Li(d,n)αα, 22:5771
- MARTIN, Ph. A. Asymptotic condition of scattering theory, 24:42951
- MARTIN, Philip T. Ionization type radiation detector, 22:47341
- MARTIN, Philippe Spectra (β^-) of $1^- \rightarrow 2^+$ transition of ^{186}Re, 21:40428 (NP-16839)
- MARTIN, Polly G. Effect of prenatal irradiation of rats on growth, 24:12231 (ORO-672, pp 12-20)
  - Effects of prenatal irradiation on growth, 23:10050 (ORO-661, pp 14-15)

  - Effects of prenatal irradiation on growth, 25:16309 (ORO-678, pp 7-13)
  - Growth in prenatally irradiated rats, 24:9944
  - Growth response of rats to prenatal irradiation, 24:23325 (CONF-690501-, pp 375-9)
  - Trace elements in diets and excreta, 21:17993
- MARTIN, R. Core structure for solid moderator nuclear reactor, 22:14323
  - Design of integrated heavy-water CO_2-cooled reactor, 23:2005
  - Fast-reactor irradiation of (UPu)C fuel rods, 22:4911
  - Fuel loading and unloading arrangement for nuclear reactors, 22:12071
  - Integral carbon dioxide—cooled heavy water reactor, 23:28540
  - Integrated heavy water reactor cooled by carbon dioxide gas, 23:9170 (CEA-CONF-1033)
  - Irradiation behaviour of solid solution uranium—plutonium monocarbides at high burnups, 21:33011
  - Nuclear reactor fuel elements reloading apparatus, 22:12070
  - Nuclear reactor loading machine, 22:10112
  - Nuclear reactor power regulating device, 22:20868
  - Nuclear reactor refueling facility, 22:10114
  - Nuclear reactor refueling system, 22:10113
  - On-line computer control of a triple axis neutron diffractometer, 22:19211
  - Research on heavy-water reactors with CO_2 coolant, 22:30241
  - Study of a heavy-water reactor with boiling heavy-water coolant, 22:30266
- MARTIN, R. C. Fine structure in the neutron total cross section of bismuth, 21:10030
- MARTIN, R. D. Control-rod material problems of research reactors, 23:9217
- MARTIN, R. G. High resolution multiwire proportional chambers and a readout system for secondary beam line instrumentation, 25:49007
- MARTIN, R. J. Experimental investigation of the low-voltage arc in noble gases, 22:46161
  - Prog. rpt. on low-voltage arc in noble gases, final, 6/63—12/66, 22:34624 (AD-661073)
  - Prog. rpt. on low-voltage arc studies, Pt. 5, final, 6/63—12/66, 22:34625 (AD-661304)
- MARTIN, R. L. Argonne Zero Gradient Synchrotron (ZGS) booster, 25:50517
  - Boson production in p—p collisions at 12.3 GeV/c, 21:9703
  - Comments on superconducting synchrotrons, 25:50432
  - Handling and containment of activity in the Battelle-Columbus alpha-gamma facility, 21:6172
  - Inerting of the Battelle-Columbus low-level beta-gamma cell, 22:4413
  - Measurement of circulating proton intensity of Argonne ZGS, 22:46676
  - Performance characteristics of the ZGS, 21:38087
  - Radiation stability of uranium mononitride, 23:8360
  - Spark chamber spectrometer with automatic vidicon readout, 21:16108 (CONF-660918-, pp 63-67)
  - Targeting techniques and considerations on the ZGS, 21:29769
- MARTIN, R. M. Hydrogen atom scattering: velocity dependence of total cross section for scattering from rare gases, hydrogen, and hydrocarbons, 21:18424
  - Photodissociation dynamics. Wavelength dependence of energy partitioning in deuterium sulfide, 24:29299
- MARTIN, R. O. Gas chromatograph—combustion—continuous counting system for analysis of microgram amounts of radioactive metabolites, 22:37684
- MARTIN, Rachmeler Prog. rpt. on effect of tritium decay on DNA, final, 9/30/69, 24:584 (COO-1603-3)
- MARTIN, Richard Charles MeV neutron total cross sections of Ta and W isotopes, 22:32648
- MARTIN, Richard G. Carcinoma of the pancreas, 23:38711
- MARTIN, Richard M. Computing program for crystal vibrations which includes long-range coulomb interactions, 23:23604 (IN-1280)
- MARTIN, Robbin L. Crossed molecular beam reactions of tritium bromide, 21:35958
- MARTIN, Robert Derivation of the asymmetry ratio for a planar Ge(Li) gamma ray polarimeter, 24:39341
  - Natural convection: the particular case of liquid metals, 23:11711 (CEA-Bib-128)
- MARTIN, Robert D. Low-cost shim safety rod for pool-type reactors, 21:35735
  - Nuclear program of the Ford Nuclear Reactor, 23:47256 (CNM-R-2(Vol.3), pp 1256-73)
- MARTIN, Robert E. Eulerian differencing method for unsteady compressible flow problems, 22:29599
- MARTIN, Robert H. Cerebral transit of pertechnetate given intravenously, 24:34446
- MARTIN, Robert W. Optical studies of flare stars in conjunction with simultaneous rf observations of the same stars, 23:27211 (AD-679178)
- MARTIN, Roger Nuclear moderator structure, 21:2912
  - Regulating the power level of a nuclear reactor, 21:35638
  - System for remotely positioning a movable member, 21:27849
- MARTIN, Ronald Gustav Standardization of control point realization, 24:36106 (COO-1018-1206)
- MARTIN, Ronald L. Automated experimental facilities and progress toward automated control of ZGS, 21:34509 (CONF-660527-, pp 77-83)
  - Method of discharging a cloud, 21:2128
- MARTIN, S. Chemical consequences of nuclear process $^{81}\text{Br}(n,\gamma)^{82}\text{Br}$ in K_2ReBr_6—K_2ReCl_6 mixed crystals, 24:219
  - Coulomb displacement energies for excited states in nuclei around ^{28}Si, 25:28243
  - Ray tracing calculations according to field mapping for Juelich double monochromator, 25:50482
  - Reactions $^{30}\text{Si}(d,p)^{31}\text{Si}$ and $^{30}\text{Si}(^{3}\text{He},d)^{31}\text{S}$, 21:9991
  - Spectroscopic investigation of ^{28}Si nucleus by reactions $(^{3}\text{He},d)$ and $(^{3}\text{He},\alpha)$, 23:21292 (ZFK-130, pp 93-5)
- MARTIN, S. B. Urban vulnerability to fire from nuclear bursts, 21:10879 (USNRDL-TR-1040)
- MARTIN, S. J. Design and evaluation of a free air ionization chamber for grenz-ray measurements, 21:6506
- MARTIN, S. O. Cross sections for ionization of Mg^+ to Mg^{2+} by electron impact, 22:43866
- MARTIN, Siegfried Conference on position-sensitive detectors in nuclear physics, Juelich, Ger., 7/69, 25:8469 (JUL-Conf-4)
- MARTIN, Stanley B. Analytical study of fire service operations in nuclear disasters, 22:47305 (CONF-680527-1)
- MARTIN, Susan J. Atlas of Radiation Dose Distributions 21:18072 (STI/PUB-100(Vol.2))
  - Conference on electricity from MHD, Salzburg, 7/66, 21:13419 (STI/PUB-128(Vol.1))
- MARTIN, Susan S. Accumulation of ^{226}Ra in two aquatic ecosystems, 23:17976 (CONF-670503-, pp 307-18)
- MARTIN, T. C. Neutron-induced gamma-ray production cross sections for Si and W, 24:13310 (AD-694999)
  - Nuclear analysis system for coal, 21:12300
  - Separation of isotopic interferences utilizing Ge(Li) gamma-ray detectors, 21:5798
- MARTIN, T. E. CH and CD stretching anharmonicities and radiationless decay of triplet benzene, 22:42687
  - Nonexponential phosphorescence decay of benzene, 22:42686
- MARTIN, T. F. Elevated temperature fatigue of TZC molybdenum alloy, 21:26798 (NASA-CR-72241)
  - Elevated-temperature fatigue of TZC Mo alloy under high-frequency and high-vacuum conditions, 21:45901
  - Prog. rpt. on elevated-temperature fatigue data on refractory in ultra-high vacuum, 4—7/66, 21:3487 (NAS-CR-72039)
- MARTIN, T. G. Association between chemical and counter estimates of potassium content, 23:22211
  - Associations of body K, chemical composition, and carcass measurements, 23:22207
  - Determination of trace elements in soils and clay minerals by resonance neutron activation analysis, 25:57375
  - Factors affecting estimates of potassium content by whole-body liquid scintillation counting, 23:22212
- MARTIN, T. H. Computerized method of predicting electron beam bremsstrahlung radiation with specific application to high voltage flash x-ray machines, 23:31577 (SC-RR-69-241)
  - Determination of bremsstrahlung production efficiencies from data obtained on PHERMEX at 27 MeV, 23:31576 (SC-DR-69-240)
  - Development of an 18-megavolt Marx generator, 23:26433
  - FRIZZ: high voltage impulse tester, 25:54386 (SC-RR-710341)
  - Nominal one-megavolt, pulsed power generator, 25:50290
  - Nuclear altimeter, 21:32495 (SCTM-232-62(13))
  - Summary of Hermes flash x-ray program, 24:13223 (SC-RR-69-421)
- MARTIN, T. J. Gallium-67 localization in tumor tissues, 24:32059 (ORNL-4558, pp 48)
- MARTIN, T. P. Delayed neutrons from neutron-irradiated LiF, 24:19961
  - High-momentum transfer behavior of nucleon form factors, 25:7588
- MARTIN, T. W. Mechanical oscillations induced by penetrating particles, 24:40484
- MARTIN, T. Z. Observation of emission feature at 11.7 cm^{-1}, 25:33038
- MARTIN, Terence Cecil Gilbert Nuclear reactor, 22:16240
- MARTIN, Thomas Hugh Design and performance of the Sandia Labs. Hermes II flash x-ray generator, 23:26432
- MARTIN, Thomas W. Electron paramagnetic resonance studies of some Cu(II) complexes with organophosphorus chelates, 24:53058 (ORO-2825-30)
- MARTIN, Troy C. Coincidence/anticoincidence techniques in nuclear industrial process control studies, 21:36435
  - Continuous nuclear analysis of bulk material, 21:40784
  - Continuous, on-line, nuclear analysis measurements in process control applications, 22:21236 (ORO-2980-16)
  - Direct electron excitation in isotopic x-ray fluorescent analysis, 21:34230
  - Study of fluorescent excitation using isotopic x-ray emission, 21:4672 (ORO-3224-6)
  - Use of direct excitation by a beta spectrum in isotopic x-ray fluorescent analysis, 21:6154
- MARTIN, W. Postshot geologic investigations, Project Gasbuggy, 23:496 (UCRL-71354)
- MARTIN, W. B. Jr. Electron spin resonance of radical anions of [2.2]paracyclophane, 23:28789
- MARTIN, W. C. Low-energy level structure of neutral Ce, 25:30262
  - Z dependence of spin—orbit coupling, 25:58716
- MARTIN, W. E. Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific interoceanic canal: transport and accumulation of radionuclides, 24:27558 (BMI-171-30)
  - Bioenvironmental safety, 23:45682 (NVO-40(Rev.2), pp 301-11)
  - Estimation of potential radionuclide ingestion by native populations of Eastern Panama and Northwestern Colombia. Bioenvironmental and Radiological-Safety Feasibility Studies, Atlantic-Pacific Interoceanic Canal, 25:10995 (BMI-171-45)
  - Second-order refocusing 15-inch mass spectrometer for ultra-precise isotopic ratio measurements of uranium hexafluoride samples, 25:51362 (GAT-655)
- MARTIN, W. G. Usage of ^{75}Se and ^{134}Cs in gamma irradiation studies, 21:24624
- MARTIN, W. H. Annealing of irradiation damage in graphite, 21:533
  - Bromination and irradiation growth of graphite, 22:778
  - Compilation of published information on elemental concentrations in human organs in both normal and diseased states. I, 25:34493 (UCRL-51013(Pt.1))
  - Determination of dose and temperature in graphite irradiation experiments in the Dounreay fast reactor, 21:31113
  - FORTRAN code for analysis of counting data from animal tissues, 25:10937 (UCRL-50957)
  - Irradiation behavior of graphite, 23:8362
  - Irradiation experience with isotropic graphite, 23:36295
  - Temperature measurements in uninstrumented D.F.R. experiments, 24:40899 (TRG-Report-1911, pp 458-72)
  - Temperature monitors for uninstrumented irradiation experiments, 25:54049
  - Use. of D.F.R. for some materials irradiation experiments of significance to thermal and fast reactor designs, 24:40900 (TRG-Report-1911, pp 473-99)
- MARTIN, W. J. Fission product transport and behavior in the stainless steel lined containment research installation (CRI), 25:18176 (ORNL-4502)
  - Out-of-pile studies of fission-product release from overheated reactor fuels at ORNL, 1955—65, 21:38462 (ORNL-3981)
  - Radioactive aerosol size classification experience with a low pressure cascade impactor, 23:24027 (CONF-680821-, pp 263-311)
- MARTIN, W. R. Application of chemical vapor deposition to the production of tungsten tubing, 22:6968
  - Application of today's materials studies to tomorrow's operation of research reactors, 23:4345
  - Ball milling of Al powder for production of Al—Al_2O_3 dispersions, 22:4857
  - Characterization of boron carbide for fast reactor absorbers, 24:33280
  - Chemical-vapor-deposited tungsten capsules for radioisotope sources, 24:32365
  - Development of FBR neutron-absorber materials, 25:29978 (ORNL-4630, pp 163-76)
  - Development of FBR neutron-absorber materials, 25:49506 (ORNL-TM-3300, pp 188-208)
  - Development of fuel element fabrication, 25:29924 (ORNL-4630, pp 233-8)
  - Development of fuel element fabrication, 25:49507 (ORNL-TM-3300, pp 269-75)
  - Effect of boron on ductility and strength of Inconel 600 and Types 304 and 316 stainless steel at hot metalworking temperatures, 25:35338 (ORNL-TM-3316)
  - Effect of fuel concentration on the compressive strength of core materials used in research reactor fuel plates, 23:4323
  - Effect of irradiation temperature on strength and microstructure of stainless steel, 21:16626
  - Effect of powder and process variables on the properties of sintered aluminum products, 22:34017 (ORNL-TM-2215)
  - Effect of type and concentration of fuel on the void volume in aluminum dispersion-type fuel plates, 22:31527
  - Experimental investigation of fabrication of Th—20 wt. percent U for the UMBR fuel element, 25:58185 (ORNL-TM-3499)
  - Fabrication development for FBR cladding, 25:49371 (ORNL-TM-3300, pp 134-44)
  - Fabrication development of FBR cladding, 25:29784 (ORNL-4630, pp 96-110)
  - Fabrication voids in aluminum-base fuel dispersions, 25:2806 (ORNL-4611)
  - Factors affecting mechanical properties of stainless steels at MPRE operating temperatures, 23:27133 (ORNL-TM-1362)
  - Factors affecting the swelling during degassing of compacts containing uranium—aluminum intermetallics dispersed in aluminum, 24:19421 (ORNL-TM-2800)
  - Feasibility study of conversion of PuF_4 to PuO_2 by chemical vapor deposition, 22:45026 (ORNL-TM-2306)
  - Formation of uranium nitride compounds, 21:24825 (ORNL-TM-1812)
  - Fuel element fabrication development, 24:3048 (ORNL-4470, pp 94-111)
  - Improved processes for the fabrication of 316 stainless-steel tubing, 24:6182
  - Irradiation damage to aluminum, 23:8245 (ORNL-4370, pp 116-19)
  - Performance and stability of borosilicate glasses during rolling of stainless steel UO_2 fuel coupons, 23:16515 (ORNL-TM-2417)
  - Postirradiation creep and stress rupture of Hastelloy N, 21:13218
  - Postirradiation examination and evaluation of tungsten—urania cermets, 24:32519
  - Postirradiation examination and evaluation of tungsten—urania cermets, 24:34976 (ORNL-4569)
  - Production of CVD W tubing, 21:32845 (ORNL-P-3102)
  - Sintered aluminum products development, 22:8687 (ORNL-4170, pp 128-37)
  - Sintered aluminum products development, 23:8133 (ORNL-4370, pp 133-41)
  - Study of processes for SAP powder consolidation, 22:4858
  - Use of chemical vapor deposition to convert halides to fissionable fuel compounds, 23:20532 (CONF-680610-, pp 51-62)
- MARTIN, W. S. Magnetic field dependence of far-infrared absorption in thin-film superconductors, 22:17557
- MARTIN, W. T. Cell to cell interaction in the immune response. IV, 23:6379
- MARTIN, Walter H. Computer processing of optical emission spectrometer data, 24:18862 (UCRL-50759)
  - X-ray fluorescence analysis applied to biological problems, 21:28346 (UCRL-70351)
- MARTIN, Walter H. Jr. Fortran code for analysis of optical rotatory dispersion data, 24:11406 (UCRL-50729)

MARTIN, William B. Post-shot geologic effects of Gasbuggy nuclear stimulation, 23:26389 (PNE-G-31)
MARTIN, William C. Energies of 1snl(1 greater than or equal to 3) configurations in ^{4}He I as calculated from polarization theory, 25:9173
MARTIN, William E. Conference on sea-level canal bioenvironmental studies, 24:2595 (BMI-171-28)
  Ecological transfer mechanisms - terrestrial, 24:23144 (SWRHL-82, pp 401-35)
  Possible effects of a sea-level canal on the marine ecology of the American isthmian region. Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific Interoceanic Canal, 25:6660 (BMI-171-44)
  Radioecology and the feasibility of nuclear canal excavation, 23:18005 (CONF-670503-, pp 9-22)
  Radiological-safety feasibility of nuclear excavation, 23:50561
MARTIN, William J. Irradiation apparatus in combination web handling means, 25:26417
MARTIN, William R. Stainless steel alloy exhibiting resistance to embrittlement by neutron irradiation, 23:22597
MARTIN, William Ted Analysis in function space, 21:7559
  Differential space, quantum systems, and prediction, 21:2345
MARTIN, Y. G. Stable zinc and ^{65}Zn metabolism in normal calves, 22:28359
MARTINA, E. Frank Proton energy distributions from 0.060 to 3.3 MeV at 6.6 Earth radii, 24:51533
  Proton energy distributions from 0.060 to 3.3 MeV at 6.6 earth radii, 25:2951 (AD-709723)
MARTINA, Eugene F. Device for producing stereoscopic radiographs, 23:16059
MARTINA, R. A. Impregnation of graphite specimens using furfuryl alcohol impregnation process, 24:42199 (DP-Report-304)
MARTINA, Renato New forms of carbon, 24:42238
MARTIN-BOUYER, Michel Appearance of a radical species with 13 equivalent protons among the radiolysis products of a durene monocrystal, 23:9433
  Comparative study of electron paramagnetic resonance after radiolysis and photolysis of a durene monocrystal, 23:26308
MARTINC, A. Radiation protection monitoring of Beznau plant, 23:21424
MARTINCHUK, E. L. Change in solubility of Ce, Pr, and Nd in Cr as a function of temperature, 25:27238
  Diagram of states of the system chromium—cerium, 23:36139
  Diagram of the system chromium—neodymium states, 23:36131
  Phase diagram of the system chromium—praseodymium, 24:1038
MARTIN-DELGADO TAMAYO, Juan Investigation and exploitation of Spanish U resources, 21:41044
  Prospecting and exploitation of U resources in Spain, 21:10477
MARTINDILL, R. E. Determination of departures from local thermodynamic equilibrium in arc plasmas, 21:37443 (ARL-67-0060)
MARTINEAU, J. Evaluation of a magnetically confined laser-created plasma, 23:23142
  Heating of theta-pinch plasma by CO$_2$ laser, 25:45454
  Laser heating of inhomogeneous slab of deuterium theta-pinch plasma, 25:45455
  Magneto-inertial confinement of a plasma, 23:10606
MARTINEAU, Roland G. Carcinoma of male breast following radiation, 23:4986
MARTINEDES, Barbara Radiation induced gastrointestinal dysfunction as a model for the study of anorexia and cachexia of neoplastic disease, 24:46673 (TID-25492)
MARTINEDES, Barbara Ann Response of upper-body x-irradiated beagle dogs to exercise stress, 23:48202 (UR-49-1137)
MARTINEK, Charles Linear thermal expansion of three tungstates, 22:28930
MARTINEK, Charles A. Subsolidus equilibria in the system ZrO$_2$—WO$_3$—P$_2$O$_5$, 24:19517
MARTINEK, Frank Prog. rpt. on mathematical analysis of thermal pollution of lakes and estuaries, 2/71, 25:34391 (NYO-4217-1)
MARTINEK, J. Construction of an experimental loop, 23:26094
  Construction of an experimental loop, 24:19133
MARTINEK, Jan Contribution to the problemacy of temperature shocks in gas-cooled reactors, 23:26003 (ZJE-43)
  Experimental gas loop, 24:38525 (ZJE-68)
  Experimental loop: Skoda, 24:19126 (NP-18146)
  Experimental loop, Skoda, 22:48984 (NP-17626)
  Study of temperature shocks in gas-cooled reactors, 23:37399
MARTINEK, K. Kinetics of glucoronization under normal and pathological conditions, 25:6603
MARTINEK, Thomas W. Electroviscous fluids. I, 21:11482
  Electroviscous fluids. II, 21:11481
MARTINELLE, Sten Air pressure dependence of cosmic-ray intensity, 22:34304
  New method of comparing the performance of neutron monitors, 23:24446
MARTINELLI, A. Behavior of neptunium in nitric acid solutions on ammonium-12 molybdophosphate, 25:46543
  Sorption of some actinide ions on ammonium molybdophosphate chromatographic columns, 25:51592
MARTINELLI, A. P. Effect of fast-pulsed magnetic fields on single-layer superconducting coils, 25:7351 (IPP-4/79)
  Low-field instabilities of high-field composite superconductors, 25:30410 (EUR-4593, pp 95-100)
  Normal transitions of composite superconductors induced by magnetic disturbances, 25:30411 (EUR-4593, pp 101-6)
  Stability evaluation Nb$_3$Sn superconductive tape in a helium gas environment, 25:49824 (IPP-4/84)
  Superconducting coil stability and interaction between the transport current and diamagnetic currents, 24:51565 (IPP-4/76)
MARTINELLI, L. C. Protolysis kinetics of ethyl N-methylcarbamate, 25:39488
MARTINELLI, P. Application of radioactive methods to analysis and to the control of manufacturing, 24:11476
  Applications of low-energy-photon sources, 22:255 (ORNL-IIC-10(Vol.2), pp 696-722)
  Availability of ^{137}Cs gamma-ray source in x-ray fluorescence analysis for heavy elements, 22:42585 (CEA-N-674)
  Methods of x-ray fluorescence analysis by means of radioisotopes, 21:21901
  Radioactive analysis techniques, 25:26164
MARTINELLI, Pierre Chemical analysis from absorption measurements on Compton scattered radiation, 25:41752
  Method of assaying and devices for the application of said method, 23:4534
MARTINELLI, R. Absorption cross section measurements in samples containing burnable poisons, 22:42394 (RT/FI-(68)8)
  Analysis of critical experiments with organic-moderated assemblies, 21:25722
  Comparison of critical experiments with calculations for organic lattices, 22:50815
  Digital correlation analysis of oscillation measurements, 22:22826 (RT/FI-(67)26)
  Experimental and calculated results for UO$_2$ and UO$_2$—PuO$_2$ fueled H$_2$O-moderated loadings, 24:47820 (BNWL-1379)
  Use of digital on—line computer for nuclear reactor physics experiments, 25:8119 (RT/FI-(70)16)
MARTINELLI, R. U. Prog. rpt. on transmission secondary emission multipliers using high gain secondary emitters, final, 6/23/69—6/26/70, 25:6245 (NYO-4100-3)
MARTINELLI, V. Seventh annual meteorological report of the Casaccia Center for Nuclear Studies, 1968, 25:34746 (RT/PROT-(70)42)
MARTINENGHI, C. Conference on radiobiology, Modena, Italy, 10/66, 22:33877
  Effects of radiogold on Ehrlich ascites tumors, 21:32701
  Evaluating hematological effects of irradiation, 23:31916
  Experimental trials in the quantitative estimation of exposure to small ionising radiation doses through microscope observation of structural alterations in cell nuclei, 22:33756
  Influence of dimercaptopropanol on renal elimination of radioactive mercurials, 21:26351
  Leukocyte loss from antimitotic pharmaceuticals and panirradiation of rats, 21:32706
  Mobilization of ^{203}Hg from the kidney of rats, 21:22291
  Pulmonary regional blood-flow as evaluated by means of ^{131}I tagged macroaggregated albumin (MAA-^{131}I), 22:25953
  Scintigraphy with radioactive mercury in the morphological and functional study of the kidney, 22:38403
  Simultaneous use of two tracers for radiocardiography, 22:23585
MARTINENGHI, Carlo Radiotriolein test in studying intestinal fat absorption, 23:33761
MARTINENGO, Pier Carlo Preparation and properties of UO$_2$Mo$_2$O$_7$.3.5H$_2$O compounds, 25:39476
MARTINES, F. Dosimetric evaluations and hystological and hystoenzymatic modifications in rat kidneys after injecting chlormerodrin-^{203}Hg, 22:49334
MARTINET, Alexis Experimental study of superconductivity induced by proximity effects, 22:24192 (CEA-R-3157)
MARTINET, B. Calefaction spots on a heating wall, 21:41138
MARTINET, H. Apparatus for administration of radioactive aerosols for scintigraphy of the lungs, 24:33970
MARTINET, L. Galactic orbits and integrals of motion for high-velocity stars. I, 25:47303
  Possible run-away star from Upper Centaurus Lupus, 24:17432
MARTINET, Louis Motions for nearby stars in connection with stellar evolution, 23:36310
MARTINET, M. Reactivity calibrations by analog and digital methods, 23:9135
MARTINET, Pierre Nuclear fuel element, 22:1892
MARTINET, R. Regulation and automation in a plant for reprocessing of irradiated fuels, 24:2263 (CEA-CONF-1316)
MARTINETTE, G. E. Shelf aging characteristics of Y-3333 cellular silicone, 25:54344 (BDX-613-375(Rev.))
  Study of the functional capabilities of an air-bearing compression test fixture, 25:51259 (BDX-613-390)
  Study of the functional capabilities of a total area loading compression test fixture, 25:51260 (BDX-613-391)
MARTINEX NEGRETE, M. A. Formation of peaks in nuclear reactions, 23:13333
MARTINEZ, A. Recovery of defects generated by ionizing radiations in silica, 24:4535
MARTINEZ, A. M. Laboratory for production of radioisotopes, 25:34816
  Optimization of the reactor irradiation schedule, 23:45304 (CNM-R-2(Vol.1), pp 375-89)
MARTINEZ, Agustin Martinez Exploitation of U mineral deposits, 24:276
MARTINEZ, Andre Changes in solvent structure and luminescence of rigid solutions, 24:18866 (UCRL-Trans-10435)
MARTINEZ, Augustin Stability of previously irradiated M.O.S. transistors at high temperatures, 24:23050
MARTINEZ, C. Hematological and pathological changes induced in tolerant mice by the injection of syngeneic lymphoid cells, 22:36173
MARTINEZ, Florencio Vazquez Prog. rpt. on resonance in radiation effects, 6/65, 22:47448 (PRNC-69)
MARTINEZ, Francisco Pascual Desalination of salt and brackish waters, 24:52981
  Survey of nuclear power, 25:10104
MARTINEZ, G. M. Electrowinning of hafnium from hafnium tetrachloride, 24:981
MARTINEZ, G. R. Observations on the accidental exposure of a family to a ^{60}Co source, 22:4686
MARTINEZ, J. E. Nonlinear dynamic analysis of shells of revolution by matrix displacement method. report 69-77, 24:20673 (SC-CR-70-6070)
MARTINEZ, J. L. Differential colorimetry for nuclear process streams, 22:25241 (RFP-665)
  Safeguards personnel monitor, 25:46610 (CONF-710617-16)
MARTINEZ, J. M. Spectral emissivity of Ta in the red and in green and change in emissivity resulting from change in surface structure induced by heat treatment, 25:11395
MARTINEZ, John S. Isotope thermal thrusters and application, 22:14733
  Nuclear propulsion applications, 24:18746
  Radioisotope attitude control engine, 21:8551
  Radioisotope thruster technology, 25:48746
MARTINEZ, L. Mutants of Escherichia coli defective in the B protein of tryptophan synthetase. III. Intragenic clustering, 24:41858
MARTINEZ, Leopoldo Health physics at Los Alamos "wing 9" hot-cell facility, 23:16285 (LA-4074)
MARTINEZ, M. Nonlinear behavior and frequency mixing in plasma of PIG discharge, 22:7289
  Variations in the development of different vegetable species exposed to irradiation, 23:22434 (CONF-670649-8)
MARTINEZ, P. Prog. rpt. on neutron activation techniques for mineral exploration, annual, 8/66, 22:18694 (TID-23668)
MARTINEZ, Prudencio Jr. Mineral ore exploration apparatus utilizing neutron activation, 23:49751
MARTINEZ, R. Interactions of a 29-MeV ^{3}He particle beam with ^{16}O. II, 21:2625
MARTINEZ B, A. Characteristics of nuclear spectrometer, 24:18335
  Design and construction of mechanical parts of the spectrograph, 24:18339
  Estimation and correction of stray magnetic fields, 24:18336
MARTINEZ COMIN, Pilar Correlation of thyroid uptake of stable Iodine and radioiodine, 24:4558
MARTINEZ-GARCIA, Mario Branching ratios and transition probabilities in Fe I, 25:24807
  Lifetimes of some Fe I states by beam-foil spectroscopy, 24:1272
MARTINEZ GUERRERO, J. Device to move mechanisms inside chambers at ultrahigh vacuum, 21:30681
MARTINEZ-LEAL, A. M. Optimization of reactor irradiation schedules for radioisotopes production according to demand, 23:325
MARTINEZ NEGRETE, M. A. Distribution of absolute values of projected angles, 21:19316
MARTINEZ-O'FERRALL, Jose A. Pharmacodynamics of a radioprotective drug: 2- (1-decylamino)ethanethiosulfuric acid, 24:9874 (AD-692983)
MARTINEZ ROBLES, Jose Luis Design and construction of an amplifier for signals originating in a gas ionization detector, 24:22986 (NP-18177)
MARTINEZ-SILVA, R. Trypanosoma cruzi: effects of gamma radiation on growth and infectivity, 24:29846
MARTINEZ VIDAL, C. A. Some nuclear developments in Argentina, 25:35527
MARTINEZ-VILLASENOR, D. Scintigraphy by means of radioisotopes of short half-life for diagnosing diseases of the joints, 23:48132
MARTIN H. History of the counter-flow gas centrifuge, 25:29271 (CONF-700557-1)
MARTINHO, E. Determination of the water content of materials by means of neutrons, 24:33955 (LFEN-NI.-50)
  Diffusion and extrapolation lengths of thermal neutrons in water by a stationary method, 23:39915
  FORTRAN LFEN-FR 10: diffusion length of thermal neutrons in moderators from experimental distributions of neutron flux, 25:60226 (LFEN-NI.-60-a)
  Gold-198 half life, 24:8887 (LFEN-NI.-38-a)
  Half-life of ^{198}Au, 24:13368
  Poisoning of RPI from fission products ^{135}Xe and ^{149}Sm, 22:37533 (LFEN-NI.-34-a)
  Thermal neutron diffusion length in water at 24°C, 23:3894 (LFEN-86-a)
  Thermal-neutron diffusion parameters in water by the poisoning method, 25:50621
MARTINI, A. Intense magnetic fields and shock wave propagation, 21:29257
  Interpretation of S Doradus, 24:10239
  Shock waves at high densities. II, 22:2738
  Shock waves at high temperatures. I, 21:29319
MARTINI, G. Aneuploidy induced in tetraploid wheats, 24:41851
  Isolation of aneuploid lines in durum wheat, 22:38242
  Meiotic analyses of viable mutants of durum wheat, 21:20144
  Meiotic analyses of vital mutants radioinduced in Cappelli durum wheat, 21:24383
  Production of aneuploids through gametes' irradiation in durum wheat, 22:49301
  Radiation-induced asynaptic mutations in durum wheat, 21:16314
MARTINI, M. Anisotropy of hot electrons in high-resistivity silicon: preliminary results, 22:1323
  Current pulse from semiconductor detectors, 23:7746
  Dependence of electron trapping time on electric field in semi-insulating CdTe, 25:50008
  Device for irradiation of a sodium cooled fuel sample capsule, 23:40924
  Drift velocity of hot carriers in Si and associated anisotropic effects, 23:22010

- Effect of charge trapping on p-i-n semiconductor detectors, 25:403
- Effects of operating temperature on the behaviour of semiconductor detectors, 24:39291
- Energy dependence of lattice disorder in ion-implanted silicon, 23:51759
- Fast pulse pickoff with semiconductor radiation detectors, 21:6258
- First results on proton deuteron discrimination with a single semiconductor detector, 21:17865
- Fission micro-chambers, 23:26517 (RT/FI-(69)9)
- Influence of trapping and detrapping effects in Si(Li), Ge(Li) and CdTe detectors, 24:39298
- Method for calculating proton linac cavities, 23:19060 (BNL-50120(Pt.2), pp 512-22)
- Numerical calculations of linear accelerator cavities, 22:29783 (CERN-68-11)
- Performance of Si(Li) detectors, 24:5909
- Preparation and calibration of thin deposits of fissile materials, 25:23777 (RT/FI-(70)23)
- Proton—deuteron discrimination with a single semiconductor detector, 22:2358
- Proton—deuteron discrimination with a single semiconductor detector, 23:22065
- Semiconductor detectors and small fission chambers for fast neutron spectral analysis, 21:6201 (RT/FI-(66)17)
- Solid-state track recorders, 25:46621 (RT/FI-(71)5)
- Trapping and detrapping effects in Li-drifted Ge and Si detectors, 24:29504
- Trapping and detrapping in Si(Li) detectors at low temperatures, 23:41027
- Venting device for sodium cooled fast ceramic reactor fuel elements, 25:34360 (RT/ING-(70)29)
- Venting device for sodium-cooled fast ceramic reactor fuel elements, 23:4243
- Venting device for sodium-cooled fast ceramic reactor fuel elements, 24:22407 (RT/ING-(69)30)
- MARTINI, Massimo Detector for local measurement of fast neutron flux, 22:49074
- MARTINI, T. Scintigraphy of the pericerebral subarachnoid spaces, 23:48150
- MARTINI, W. R. Conference on heat transfer, Philadelphia, 8/68, 24:2385
  - Radioisotope-fueled Stirling engine artificial heart power system, 25:4233
  - Stirling engine to power circulatory-assist devices, 24:14193
- MARTINI, William R. Implantable radioisotope-fueled stirling engine, 25:54910
- MARTINIDES, H. Cosmic—ray cutoff energy at synchronous distance, 24:35228
- MARTIN III, Thomas G. Bremsstrahlung production and shielding of electron accelerators, 25:22947
- MARTINI-MARUI, M. Use of ^{206}Bi in treatment of childhood leukemia, 24:34529
- MARTINI MAURI, M. Possibilities and limitations of nuclear medicine in infant diagnostics, 25:35182
- MARTINIS, M. High-energy two-body problem in quantum field theory, 25:33824
  - Inelastic processes and backward scattering in a model of multiple scattering, 25:3352 (IRB-TP-2-70)
  - Inelastic processes and backward scattering in a model of multiple scattering, 25:47842
  - Low-energy theorem for pions, 22:46454
  - Multiparticle terms in the 2-body scattering amplitude, 23:15292
  - Spin structure of multiple scattering, 24:47446
  - Upper bound on possible mass spectra from single-particle saturation of current algebra sum rules, 21:37723
- MARTINIS, M. E. Relativistic version of Schiff large-angle formula, 23:49125
- MARTINKOVA, J. Changes in the metabolism and the effect of procaine after irradiation, 21:10801
  - Effects of novocain on the isolated perfused heart of rats after x-irradiation, 25:26798
  - Influence of procaine on blood pressure of irradiated rats, 22:19364
- MARTIN-LEFEVRE, F. Thermal studies on organic heat carriers, 21:21724
- MARTIN-LOF, Per Algorithms and random sequences, 22:7973 (LA-tr-67-105)
- MARTIN-MIRA, J. Gas chromatography, 24:50321
- MARTIN MUNOZ, M. Spectrophotographic determination of metallic impurities in organic coolants, 24:29196
- MARTIN NUNO, C. Determination of $a_e = \beta/1^*$ parameter for pulsation of JEN-2 reactor, 22:12149
  - JEN-2 Reactor. B, 23:4387
  - JEN-2 reactor: description, 22:37546
- MARTINO, E. Antithyroid therapy and LATS, 23:29399
- MARTINOLI, P. Inhomogeneous distribution of the transport current in the superconducting surface sheath, 22:17542
  - Nucleation field of a thin superconducting film on a thick normal layer, 25:36035
- MARTINON, R. Preparation of thin ^{169}Tm sources, 23:49845
- MARTINOT, G. Operational behavior of structural components of EL4 primary circuit, 24:28867
  - Survey and control of EL4 reactor, 22:30270
  - Utilization of a digital computer for the management of the complicated automation particular to the EL-4 nuclear power plant, 23:40298
- MARTINOT, H. Effects of ionizing radiation on MOS devices, 23:14116
  - Influence of surface properties on planar bipolar transistor reliability, 24:4533
  - Planar-transistor stability under x ray irradiation, 21:3368
- MARTINOT, L. Chronopotentiometric study of reaction Np(III) $\to$ Np(IV) + e^- in molten LiCl—KCl eutectic, 23:37956
  - Chronopotentiometric study of the reaction Pu(IV) +e $\to$ Pu(III) in molten LiCl—KCl eutectic, 24:36259
  - Chronopotentiometric study of uranyl species in molten LiCl—KCl eutectic, 22:25343
  - Contribution to knowledge of electrochemistry of uranium in molten LiCl—KCl eutectic. III, 21:21943
  - Contribution to knowledge of electrochemistry of uranium in molten LiCl—KCl eutectic. I, 21:21941
  - Contribution to knowledge of electrochemistry of uranium in molten LiCl—KCl eutectic. II, 21:21942
  - Determination of uranium and neptunium in molten lithium chloride—potassium chloride eutectic, 23:49723
  - Electrochemical behavior of NpO$_2$(VI) and NpO$_2$(V) in molten LiCl—KCl, 24:4293
  - Electrochemical growth of NpO$_2$ single crystals, 24:30027
  - Electrochemical properties of NpO$_5$(VII) in molten KOH—NaOH eutectic, 24:36261
  - Electrochemistry of Pu(III) in molten LiCl—KCl eutectic, 25:57420
  - Electrochemistry of U in molten LiCl—KCl eutectic. IV, 21:27981
  - Identification of NpO$_2$(VI) in molten LiCl—KCl eutectic, 22:2071
  - Preparation and characterization of some Np(VII) compounds, 25:20994
- MARTINOT, Lucien Chronopotentiometric study of the reaction Np(IV) + e $\to$ Np(III) in fused eutectic LiCl—KCl solvent, 22:16528
- MARTINOT, M. Coupling of nonpolarized spins, 25:50801 (CEA-N-1455)
- MARTINOT, Michel Transuraniums, 23:47011
- MARTINOTTI, Fausta Faucitano Study of the system ferrous sulphate-benzoic acid in the dosimetry below 100 rads, 22:47385
- MARTINOTTI, G. Biological risk due to ionizing radiations, 23:26790
- MARTINOV, N. Characteristic magnitudes of a two-component nonisothermal plasma, 23:25359
  - Current oscillation in hollow-cathode discharge, 22:52815
  - Excitation of ionic wave by beam-plasma interaction, 21:20950
  - Ionic waves in plasma interacting with beam of charged particles at great relaxation time, 21:25152
  - Plasma waves by beam—plasma interaction, 22:11459
  - Plasma—metal contact: energy spectrum of emitted secondary electrons, 22:7150
  - Relaxation behavior of nonequilibrium electron plasma, 25:1211
  - Statistical structure of nonisothermal electron—ion plasma, 23:5421
- MARTINOVIC, J. V. Effect on onset of puberty of whole body irradiation of infant female rats, 22:49634
  - Effects of x-irradiation on the reproductive system of female rats, 24:27680
- MARTINOVICI, I. Value of isotopic renocystograms for surgical orientation in diseases affecting the urinary system, 21:402
- MARTINOVITCH, P. N. Effect on onset of puberty of whole body irradiation of infant female rats, 22:49634
  - Effects of x-irradiation on the reproductive system of female rats, 24:27680
- MARTINOW, S. P. Production of isotopes, radiation sources, radioisotopic devices, 23:50056
- MARTINS, A. A. R. Lopes Organoleptic chemical and microbiological aspects of irradiated Portuguese sausages, 25:27159
  - Organoleptic, chemical, and microbiological aspects of irradiated sausages, 25:24521
- MARTINS, Bambino Measurement of oxygen effect and biological effectiveness of a 910-MeV helium ion beam using cultured cells (T1), 25:16142 (UCRL-20190)
- MARTINS, J. Benuzzi Gamma—neutron reactions in rhodium between 0.4 GeV and 0.9 GeV, 23:15473
  - Photoneutron and total cross-sections of ^{238}U in giant resonance, 24:47665
  - Reaction (γ,n) in Au at 0.4 GeV and 0.9 GeV, 23:15474
- MARTINS, P. de A. P. Collision strengths for transitions in ions with configurations 3p^3, 24:35044
- MARTINSEN, P. O. Electron-nucleus quadrupole interaction and its influence on β-decay, 25:12685
- MARTINSKA, G. Application of generalized Veneziano model to reaction $\pi^-p \to n\pi^0\pi^0$, 25:50137 (JINR-P2-5943)
  - Description of reaction $\pi^-p \to$ NKanti K with generalized Veneziano model, 25:50138 (JINR-P2-5961)
  - Measurement of total and partial cross sections of 5.1 GeV/c π^- meson interaction in propane bubble chamber, 24:24256
  - Monte Carlo generation of neutral π^-p interactions at 5 GeV/c in propane bubble chamber, 25:20004 (JINR-P13-5516)
  - Possible existence of the $\pi^-\gamma$ resonance at 270 MeV, 25:50065 (JINR-P1-5874)
  - Production of Ξ^- hyperons in π^-p interactions at 5.1 GeV/c DTIE; UR, 24:28490
  - Search for baryon resonances in p γ system, 25:50058 (JINR-P1-5916)
  - Statistical isospin model and cross sections of reactions $\pi^-p \to N + (2,...,6)\pi$ within 1 to 16 GeV energy range, 25:14700 (JINR-P1-5471)
- MARTINSON, D. Comparison of the rates at which colony forming units and erythropoietin responsive cells recover after 200 r total body x-irradiation, 21:34801
  - Effect of hypoxia on colony-forming units in bone marrow, 22:19265
- MARTINSON, I. Conference on beam—foil spectroscopy, Lysekil, Sweden, 6/70, 25:16750
  - Lifetimes of some doubly excited levels in neutral helium, 25:30265
  - Mean lives of excited terms in Be I, Be II, B I, B II, C II, and C III, 23:22928
  - Mean lives of some excited levels in He I, 24:17647
  - Transition probabilities for Bowen levels of O III, 24:17459
- MARTINSON, J. Simultaneous LEED and RHEED studies of growth of Zr on W (100) surface, 25:29847
- MARTINSON, L. K. Effect of magnetic plasticity in non-Newtonian liquids, 21:9386
  - MHD Couette flow of viscous plastic fluids, 21:20837
  - Steady flow of a conducting fluid in a rectangular channel, 25:24950
  - Theory of MHD flows in viscous plastic fluids, 21:24972
- MARTINSON, Riho Hans Elastic constants of metallic sodium, 21:484 (NYO-2504-15)
- MARTINSON, Z. R. Behavior of 5-inch long, $^1/_4$-inch OD, Zircaloy-2 clad oxide fuel rods subjected to high-energy power bursts, 25:51086 (IN-ITR-107)
- MARTINSSON, J. Scattering of low-energy electrons from Cu(III) surface, 22:50003
- MARTINUZZI, L. First relative results for particular critical configuration of reactor RB-2, 22:50828
- MARTIROSIAN, M. A. Beam measurement apparatus for 6-GeV Erevan electron accelerator, 22:32291 (CEAL-2000, pp 360-2)
- MARTIROSOV, K. S. Effect of erythrocyte destruction on blood coagulation in radiation sickness, 25:32463
- MARTIROSYAN, G. A. Examination of x-ray effect upon development of vaccine virus in chick embryo, 23:10125
- MARTIROSYAN, G. M. Beta radioactivity of plants in various regions of Armenia, 21:12884
- MARTIROSYAN, M. M. Report on ground waves stimulated by surface blast, 25:34496 (UCRL-Trans-10529)
- MARTIROSYAN, S. N. Chromosomal breaks induced by x radiation in seeds, 25:42356
  - Effects of age on the effects of radiation on seeds of Crepis capillaris, 23:50442
  - Radiation effects on seeds, 24:9813
  - X-radioprotective effect of ATP and kinetin on plant chromosomes, 24:9877
- MARTIS, K. W. Search for width variations of short-lived states formed in three-body reactions, 23:10952
- MARTISHCHENKO, L. G. Investigation of radioisotope sources and x-ray detectors for rentgenoradiometric analysis, 25:32290
  - Roentgenoradiometric equipment and methods of rapid-analysis for copper, iron, and other elements, 23:26161 (VNIIRT-1)
- MARTISOVITS, V. Application of the high-frequency mass spectrometer for investigating glow discharges, 21:31404
  - Kinetic energy distribution for ions reaching the wall of the discharge tube at the low-pressure regime, 23:42303
  - Radial structure of the collision-dominated plasma column, 24:35431
- MARTIUS, U. Is processing at 2,000 F now possible, 21:4911
- MARTKOPLISHVILI, G. S. Defect annealing in neutron irradiated niobium, 25:27269
- MARTLEW, Clifford Keith Series pairs of door sets, 25:60257
- MARTON, A. F. Radiometric method for the quantitative determination of tertiary butyl acetate, 25:31838
- MARTON, Jozsef 1,3,5-trineopentylbenzene. IV, 24:25046
  - 1,3,5-trineopentylbenzene. V, 24:25047
- MARTON, L. Advances in electronics and electron physics. XXIII, 21:44158
  - Advances in electronics and electron physics. XXVI, 23:41154
  - Advances in electronics and electron physics. XXV, 23:41155
  - Advances in electronics and electron physics. XXIV, 24:26322
  - Correction of spherical aberration of axially symmetrical magnetic lenses, 21:15451
  - Reflectance and 1/epsilon resonance of Be in the far uv, 22:44242
  - Role of detrapped electrons in the radiolysis of crystalline choline chloride, 25:39536
- MARTONE, M. Apparatus for space- and time-resolved measurement of electron temperature and density in plasma, 25:33242
  - Cooperative laser scattering at 90° from a cold dense plasma, 23:18610
  - Electron heating in large-amplitude oscillations in a theta-pinch, 25:30467
  - Measurements on heating in collisionless low-β transverse shock waves near critical Alfven—Mach number, 25:30468
  - Measurements on stationary collisionless hydromagnetic shock waves, 24:42659
  - Plasma density and temperature measurements, 24:47214
- MARTONFFY, Katalin Blood and plasma volume determinations in the rat performed with double isotope labeling after supralethal irradiation of the whole body, 24:8002
- MARTORANA, F. Liquid hydrogen target with interaction point localization by Cherenkov effect, 23:17801
- MARTRES, M. Origin of interplanetary sectors from radio observations, 25:11606
- MARTRES, M. J. Active region associated with the proton flare event of July 1966, 23:22807
  - Flare activity and spotgroup development, 23:36404
  - Localization of flares in selected active regions, 23:36405
  - Origin of solar active regions anomalies, 23:36362
  - Patterns of active region magnetic field development, 23:36361
  - Solar coronal streamers observed at 169 MHz, 25:55754
- MARTRES, M.-J. Localization of flares in evolving magnetic pattern of solar active regions, 23:1121
  - Some interaction effects of solar active centers, 24:23673
- MARTRES, Marie-Josephe Synoptic maps of the chromosphere and of sunspots, 23:16601

MARTRES, R. W. Polarographic determination of uranium in monazite sands, 25:57334
MARTS, Don L. Metallographic preparation of beryllium, 23:27022
Simplified metallographic technique for beryllium, 22:38525 (RFP-1124)
Simplified metallographic technique for beryllium, 23:29996
MARTSINKEVICH, I. E. Model of a nonlinear scalar field with stable particle-like solutions, 21:968
MARTSINOVSKAYA, E. G. Secondary electron emission and some features of electron motion in molecular crystals, 24:46994
MARTSINOVSKII, A. M. Low-voltage arc in thermionic converters, 23:12612
Probe studies of a low-voltage cesium arc between emitting electrodes, 21:46322
Probe-method investigation of the plasma in thermionic converters with high Cs pressure. III, 21:15000
Some volt—ampere characteristics of arc-mode thermionic energy converters, 22:15388
MARTSVALADZE, N. M. Hydrogen distribution in the upper atmosphere, 22:38957
MARTTILA, O. J. Decay of ^{119}Te isomers and structure of ^{119}Sb, 22:35327
Decay of ^{119}Te isomers and structure of ^{119}Sb, 24:18422
MARTUCCI, G. Asymptotic deflexion of light ray in Kerr field, 24:26501
MARTUSOV, E. T. Investigation of the elastic pd-scattering at large angles in the energy region 0.75 to 2 GeV, 21:44264
MARTY, A. M. Measurement of mobility and mass of atmospheric ions, 25:54800
Measurement of ultrafine radioactive particles in the air, 23:38107
Mobility of radioactive ions, 25:4395
MARTY, C. Coupled channel reaction theory, 24:49947
Treatment of the continuum—continuum interaction by the factorization approximation in coupled channel theory, 24:43590
MARTY, Claude Enrichment of binary mixture by passage across microporous wall, 21:43191 (CEA-R-3211)
MARTY, D. Configurations of the stellarator type, 23:32493
Stellarator-type configurations with medium wells and shearing of magnetic lines, 23:20946 (CEA-CONF-1003)
Toroidal configurations with negative V'' and shear of magnetic field lines, 22:19936 (NP-tr-1621)
Torsatron without toroidal field coils as a possible solution to the divertor problem, 25:1235 (CEA-CONF-1602)
Torsatron without toroidal field coils as a possible solution to the divertor problem in a fusion reactor, 25:7408 (CEA-CONF-1664)
Torsatron without toroidal field coils as a solution of the divertor problem, 25:27793
MARTY, Denis Coil giving stellarator-type magnetic configuration, 25:9509
Final simplification of winding producing a magnetic configuration of the stellarator type, 25:33315 (AEC-tr-7208)
Study of low-energy (20 to 500 eV) ion sources for the simulation of ionospheric flight, 24:45109
MARTY, M. Production of refractory alloys as powders, fibers, and as fritted billets, 24:4747
MARTY, N. Analysis of (p,p') scattering at 155 MeV, 24:43406
D(p,2p) reaction at 150 MeV, 24:52395
Elastic and inelastic scattering of 155-MeV protons by ^{24}Mg, ^{28}Si, ^{32}S, and ^{40}Ca, 22:26946
Elastic and inelastic scattering of 155-MeV protons by ^{6}Li, ^{7}Li, ^{11}B, and ^{14}N, 22:44606
Elastic and inelastic scattering of 155-MeV protons on ^{208}Pb, 23:37252
Elastic, inelastic, and quasi-elastic scattering, 25:18024
Measurements of the d(p,2p)n cross section, 23:47793
Nuclear reactions at medium energy, 25:39058
Polarization and cross-section measurements in elastic scattering at 150 and 80 MeV and the optical potential, 21:21426
Reaction D(p,2p)n at 155 MeV and comparison with first-order impulse approximation, 23:25810
MARTY, Raymond Clinical hybaroxic radiotherapy after five years, 24:12206
Detection of carotid artery obstruction by intravenous radionuclide angiography, 25:24236
MARTYANOVA, L. Ya. Problems concerning the effect of irradiation of diencephalo-hypophysial area in its pathology, upon endocrine glands, 24:4696
Radiation effects on endocrine system of dogs, 24:9754
MARTYN, Doris Radiation therapy for skin cancer, 22:15007
MARTYNCHIK, Yu. F. Protective efficiency of radioprotectors, 25:29550
MARTYNCHUK, E. L. Variation in solubility of Ce, Pr, and Nd in Cr with temperature, 25:58237
MARTYNENKO, B. K. Lunar-solar perturbations of a 24-hour satellite, 22:31693 (RSIC-740)
MARTYNENKO, L. I. Investigation of reactions of solutions of thorium nitrate and alkali metal carbonates by methods of high-frequency and pH titration, 23:40626
Possibility of utilization of glycine complexes for the separation of neodymium—praseodymium mixtures on cation exchangers, 24:31461
Reaction between Ce(IV) and EDTA in acid medium, 23:13701
MARTYNENKO, T. P. Mechanism of sputtering of solids, 22:36704 (ANL-Trans-627)
Sputtering of binary compounds by low-energy Li$^+$ ions, 23:20997
Sputtering of metal nitrides and borides by Cd$^+$ ions having energies up to 500 eV, 22:36727
MARTYNENKO, Yu. V. Amorphisation of silicon crystals during atomic particle bombardment, 24:42798
Amorphization of silicon crystals on irradiation with fast ions, 24:35546
Computer studies of B$^+$ ion penetration into Si single crystal, 24:42811
Concerning the dependence of the sputtering ratio on ion energy, 21:13386
Correlated chains of atomic collisions in fcc crystals, 23:20996
Inelastic energy loss of ions in channels in crystalline materials, 22:37029
Radiation damage of crystals irradiated by atomic particles, 24:12881
Theory of ion interactions with crystal channelling, 24:42805
MARTYNOV, A. A. Alpha decay of spherical nuclei, 25:36747
MARTYNOV, A. D. Loop channel with natural coolant circulation for fuel-element tests, 25:39622 (LB/G-3021)
Study of the dynamics of a two-circuit nuclear power installation by means of a model, 24:47826
MARTYNOV, A. M. Determination of cobalt in nickel preparations by a radiochemical method, 25:57356
MARTYNOV, A. S. Calibration plots in (ΣR,d) coordinates and γ-quanta energy measurement in region of 40—4000 MeV, 21:32370 (JINR-P1-3349)
Detection of $\pi^0 + \gamma$-decay of ω^0-mesons produced by π^--mesons with the 9 GeV/c momentum in π^--Xe interactions, 21:3976 (JINR-P1-2948)
Detection of the $\omega^0 \rightarrow \pi^0\gamma$ decay for π^- mesons produced by the 9 GeV/c mesons in the π^-—Xe interactions, 22:5517
MARTYNOV, E. D. Abnormal increase of grains and formation of monocrystals during annealing of hydroextruded molybdenum, 24:14784
Electron microscope investigation of chromium and molybdenum deformed under high pressure, 22:23825
High compression of beryllium crystals, 24:14772
Mechanical properties of hydro-extruded molybdenum following annealing, 22:28797
Mechanical properties of molybdenum after hydroextrusion, 22:34054
Molybdenum mechanical properties after hydrostatic extrusion, 22:49725
Structural properties of metastable β and ω modifications in pure Zr, 23:12349
MARTYNOV, E. P. Critical magnetic field for the motion of a charged particle in a certain class of electrostatic field, 21:29018
Investigation of plane polarization of the brehmsstrahlung from the 15 MeV betatron, 21:11890
MARTYNOV, E. V. Action of radiomimetics on DNP systems, 24:27617
Action of small doses of x-rays on DNP, 22:28389
Action of x rays on condensed DNP systems, 21:34605
Protection of nucleoproteins from influence of ionizing radiation, 22:51798
MARTYNOV, G. A. Binary distribution function of a dense Coulomb gas, 22:20015
MARTYNOV, S. Z. Pyrolytic titanium and zirconium nitrides and fields of their use, 25:55605
MARTYNOV, V. A. Anodic dissolution of Mo in chloride—molybdate melts, 25:13631
MARTYNOV, V. I. Coulomb distortion effects of colliding nuclei, 25:50824
Helium ion beam with 100 A current and 70 keV energy, 21:29699
MARTYNOV, V. K. Upper limit of the number of quarks in some solids, 22:17930
Upper limit of the possible spin-gravitational effects, 22:22451
MARTYNOV, V. P. Noises and parametric phenomena in high-frequency electron devices, 22:21398
MARTYNOV, Yu. F. Morphological changes in ram spermatozoid stored in vitro under different conditions, 24:32240
New evidence concerning the structure of spermatozoon head in animals, 25:39918
MARTYNOVA, A. A. Kinetics of radiolysis of isopropyl alcohol at 77°K, 23:40690
MARTYNOVA, G. N. Clinico-physiologic methods of studying the asthenic syndrome in persons coming into contact with ionizing radiation, 24:48597
Clinico-physiological methods for study of asthenic syndrome, arising in persons in contact with ionizing radiation, 23:29817 (A-AC.82/G/L-1264(Add.1), pp 30-43)
MARTYNOVA, K. V. Lunar-diurnal geomagnetic field variations, 22:38954
MARTYNOVA, L. F. Magnetic properties of uranium selenides and sulfides, 21:43667
MARTYNOVA, L. T. Rapid polarographic determination of niobium in ores and concentrates, 23:7476
MARTYNOVA, M. M. High-strength alloys in the system Th—Al—Mo—V, 23:5077
Mechanical properties of Ti—Al—Mo alloys during heat treatment, 24:36907
MARTYNOVA, N. S. Enthalpy of formation of K_2UCl_6, $KUCl_5$, Na_2UCl_6, and $KNaUCl_6$, 24:48081
Thermographic and x-ray structural study of the system UCl_4—KCl—NaCl, 25:771
X-ray investigation of system UO_2—UCl_4—KCl, 23:8325
MARTYNOVA, O. I. Carry-over of zinc corrosion products from boiling water to steam and distribution of ^{65}Zn through BWR VK-50 cycle, 25:1789
Prospects for treating water from nuclear electric power stations with pulverized ionites, 24:9431 (JPRS-49539)
Prospects of water purification in nuclear power plant cycles with powdered ion exchange resins, 23:40838
MARTYNOVSKII, V. S. Use of atomic energy for desalting sea water by the hydrate process, 23:13933
MARTYNYUK, S. P. Certain characteristics of discharge in inhomogeneous electric and transverse magnetic fields, 23:42265
MARTYSH, G. T. Distribution-chromatographic methods for separating Mo, W, and Re, 22:4246
MARTYSHCHENKO, O. I. Nature of fast electrons in the solar atmosphere, 22:23919
MARTYSHOVA, T. I. Contemporary methods for determination of small quantities of cerium, 25:2061
Quantitative precipitation of Ce as anion—halogenates of Ce(III) hexa-epsilon-caprolactam, 24:43949
MARTYUGOV, G. M. Radiative evolution of gas from polymers in vacuum, 23:13795
MARTYUNOV, V. K. Experimental search for fractional charges, 21:11737
MARTZ, Dowell E. Analysis of atmospheric concentrations of RaA, RaB, and RaC by alpha spectroscopy, 23:28742
Protection against radon progeny inhalation using filter type respirators, 24:727
Respiratory protection for uranium miners, 23:24608 (COO-1500-9)
Total respiratory deposition of radon daughters from inhalation of uranium mine atmospheres, 23:48032
MARTZ, Dowell Edward Respiratory protection for uranium miners, 23:14215
MARTZ, F. A. Activation analysis of ^{153}Gd for measuring rate of ingesta passage in ruminants, 25:37333
MARTZ, J. L. Organic working fluid boiler investigation, 23:33324 (SAN-651-94)
MARTZ, Willard Multiple punch grafts in radiation atrophy of the skin, 21:22616
MARUANI, Jean Growth and decay of paramagnetic species in irradiated poly(methyl methacrylate), 22:35847
MARUBASHI, Katsuhide Escape of the polar-ionospheric plasma into the magnetospheric tail, 25:40492
MARUCCI, Giuseppe Action of alkaline sulfides to solutions of uranyl salts at various pH, 21:30413
MARUCHIN, Adam Morphologic changes in the brains of rats irradiated with different doses of gamma rays, 21:28606
MARUGIN, V. A. Separation of microgram quantities of palladium and Platinum and their isolation from ruthenium, rhodium, and iridium, 25:37475
MARUHN, J. Asymptotically correct shell model for asymmetric fission, 25:53819
MARUKHIN, V. I. Anomalous transmission of neutron in a perfect CdS crystal, 25:5785
MARUMORI, T. Possible description of "rotation-like excitations" in Te, Xe, and Ba isotopes, 21:44719
Spatially correlated α-clusters and ground state correlations in shell model, 24:45816
Structure of anomalous coupling states, 24:43505
Unified microscopic approach to the vibrational and rotational motion in even nuclei, 23:28349
MARUMORI, Toshio Applicability of the random phase approximation to the collective excitation in spherical even nuclei. II, 21:30050
Applicability of the random phase approximation to the collective excitation in spherical even nuclei, 22:27316
Collective excitations in spherical odd-mass nuclei. I, 25:46125
Deformed excited states in closed shell nuclei, 21:17311
Deformed excited states in closed shell nuclei, 22:14102
Four-body correlations in light closed-shell nuclei, 22:27296
Four-body correlations in light nuclei. I, 22:7669
Four-body correlations in light nuclei, 22:50682
Microscopic descriptions of the nuclear rotation, 22:27317
Random phase approximation and a new renormalization effect of the force-strength in collective excitations, 22:20748
Vibrational and rotational motion in even nuclei, 23:28329
MARUNINA, N. I. Diffusion of indium and antimony in germanium irradiated with low-energy electrons, 25:1267
MARUNOVA, K. V. Growing single crystals of rhenium by zone melting with an electron beam, 23:8144
MARUO, Kazuyoshi Shimadzu 20 MeV medical betatron, 24:20294
MARUOKA, Fumio Scintiscanner, 24:19222
MARUOKA, Shuzo Pathological consideration on the effect of radioactive cobalt irradiation on laryngeal cancer, 22:23577
MARUPOV, P. Effect of gamma-radiation on process of oxidation of polyethylene as determined by infrared spectroscopy, 23:28868 (AD-683534)
MARUPOV, R. Studies on thermal degradation of γ-irradiated polycaproamide by means of mass spectrometry, 25:2288
MARUSAK, A. L. FLOTSAM: two-parameter on-line data acquisition program for PDP-7, 23:718 (ORNL-4299)
MARUSAK, Alex L. Measurements of (d,n) reactions on ^{58}Ni, ^{60}Ni, ^{62}Ni, and ^{64}Ni at 5 and 10 MeV, 24:22103 (ORNL-TM-2472)
MARUSAK, Alex Louis Reactions (d,n) on ^{58}Ni, ^{60}Ni, ^{62}Ni, and ^{64}Ni at 5 and 10 MeV, 24:18375
MARUSHENKO, V. I. Anomalous variations of the nuclear charge radii for Ba isotopes, 23:40043
Charge radii of the nuclei of $^{124\ 126\ 128\ 130}$Te, 25:3551
Experimental determination of nuclear compressibility on the basis of the isotopic shifts of x-ray lines, 21:44755
Isotopic effect of hyperfine broadening of x-ray lines, 25:968
Variations in the nuclear charge radii of $^{124\ 126\ 128\ 130}$Te, 24:43378
MARUSIN, V. V. Electron energy distribution in a torch discharge, 21:29217
MARUTA, Isao Alternating copolymerization of CO and ethylenimine by azobisisobutyronitrile or γ irradiation, 21:34293
γ-ray induced terpolymerization of CO, aziridines, and cyclic ethers, 23:26297
MARUTYAN, N. A. Central collisions of cosmic nuclei with emulsion heavy nuclei, 21:13412
High-energy γ quanta generated in nuclear interactions, 22:21936

- Spectrum of high-energy γ quanta at an altitude of 3250 m above sea level, 23:18468
- MARUYA, Kazuo Fabrication of stabilized uranium monocarbide compacts, 23:8288
  - Fabrication of UO_2 fuel rod by vibratory compaction, 22:2679
  - Oxygen in uranium carbide, 24:14912
  - Preparation of uranium carbide pellets in a simplified process, 25:22147
  - Uranium monocarbide compacts, 24:10153
- MARUYAMA, Akira Expandability test on beryllium tube used for fuel cladding, 22:15218
- MARUYAMA, Azusa Decrease of built-in voltage in tunnel diodes caused by irradiation, 21:8665
- MARUYAMA, Hideo Fallout from the third Chinese nuclear test explosion, 22:40266
  - Highly radioactive fallout particles from Chinese nuclear test explosions, 22:27924
  - Highly radioactive fallout particles from the Chinese nuclear test explosions, 23:17576 (UCRL-Trans-10327)
- MARUYAMA, Koshi Induction of infectious friend virus by ionizing radiation, 21:24587
- MARUYAMA, M. Channeling effects in blocking phenomena, 25:25216
  - Elastic and inelastic scattering of neutrons, 22:27067
  - Energy dependence of the nuclear level density, 22:27217
  - Fast-neutron scattering from Al, Si, S, and Zn, 25:14963
  - Improved radiophotoluminescent dosimeter and new nuclear track detector, 23:47858
  - Intermediate structure near an isobaric analog resonance, 25:43851
  - Measurement of nuclear reaction times by the use of the blocking effect, 24:52493
  - Neutron scattering cross-sections of iron, 25:14961
  - Radiation protection monitoring associated with Pu fuel fabrication in Japan, 23:48060
  - Safety aspects of waste management, 24:31650
  - Shell effect on the energy dependence of the nuclear level density, 23:34754
  - Width-fluctuation and resonance-interference effects in neutron scattering cross-sections of Al, Cu, and Zn, 25:14962
- MARUYAMA, Masatomo Radiation control in enterprises, 21:20187 (NSJ-tr-66)
  - Reprocessing of spent fuel, 25:18631
- MARUYAMA, Michio Conference on nuclear physics in energy region of tandem accelerators, Tokai, Japan, 12/68, 24:20382 (JAERI-1184)
  - Elastic and inelastic scattering of fast neutrons from Fe, Ni, and W, 23:17097
  - Reaction time measurement by using blocking effects in single crystals, 24:20347 (JAERI-1184, pp 141-5)
- MARUYAMA, Mikio Concentration of heavy water in sieve-plate column, 24:41623
- MARUYAMA, R. Basic principles and the role of glass dosimeters in personnel dosimetry, 22:21515
- MARUYAMA, T. Cobalt-60 to cobalt ratios in Hiroshima and Nagasaki, 21:32673
  - Effect of helical instability on the radial density and potential distribution, 25:27738
  - Estimation of air dose from atomic bombs in Hiroshima and Nagasaki, 21:14668
  - Low-level beta-spectroscopy of solid samples by means of a coincidence-type scintillation spectrometer combined with a logarithmic amplifier, 21:16162
- MARUYAMA, Tadahiro Ion source for cyclotron of Kyoto Univ, 23:42818
- MARUYAMA, Takashi Attenuation of 4 to 32 MV x-rays in ordinary concrete, heavy concrete, Fe, and Pb, 25:25202
  - Effects of fast neutrons and ^{60}Co γ-rays on Artemia, 25:26917
  - Effects of x-irradiation on goldfish, 23:43864
  - Estimation of gamma-ray dose from atomic bomb induced radioactivity in Hiroshima and Nagasaki, 25:21713
  - Estimation of gamma-ray dose from neutron-induced radioactivity in Hiroshima and Nagasaki, 24:4247
  - Estimation of genetically significant dose equivalent from occupational exposure to external sources of radiation in Japan, 25:55230
  - Pathology of early death in atomic bomb casualties in Hiroshima, 23:38745
  - Radiation dose estimation in criticality accident. III, 23:15816
  - Radiation dose estimation in criticality accident. II, 23:20253
  - Whole-body absorbed dose from x and gamma rays, 25:58004
- MARUYAMA, Takeo Radial density distribution in positive column in magnetic field, 24:30322
- MARUYAMA, Tomomichi Studies on hormone synthesis in primary hypothyroidism, 21:8688
- MARUYAMA, X. K. Electroexcitation of the low-lying states of ^{16}O, 24:20330
- MARUYAMA, Y. Acceleration of ascites tumor growth rate by serial transplantation, 23:6390
  - Effects of heavy mediastinal x-irradiation on sex-specific histocompatibility, 21:43520
  - Individualized lung shields constructed from lead shot embedded in plastic, 23:35830
  - Variation in survival time of mice receiving x-irradiated murine lymphoma cells, 21:11071
- MARUYAMA, Yosh Contribution of host resistance to radiosensitivity of an isologous murine lymphoma in vivo, 22:40563
  - Host resistance and radiation response of syngeneic mouse lymphoma cells, 25:39931
  - Inactivation of an x-irradiated tumor by independent processes in vivo, 24:41986
  - Melting pot for irregular shaped lead shot-thermoplastic shields, 25:52489
  - Neuropathy following irradiation, 21:43518
  - Radiation dose-independent inactivation of isologous mouse lymphoma cells by nonspecific resistance, 24:48707
  - Radiation sensitivity of spleen cells irradiated in vitro and in vivo, 22:38226
  - Recognition of the irradiated isogenic mouse lymphoma cell, 23:33658
  - Response of single mouse lymphoma cells to x-rays, 24:19356
  - Variable block-surface-distance (BSD) for adjustment of shadow size in mantle therapy, 25:26892
- MARUYAMA, Yoshiaki Determination of chlorine and bromine in plant by activation analysis, 24:31273
  - Determination of Cu, As, and Hg in cigarettes by neutron activation, 24:33655
  - Determination of Cu, As, and Hg in plant by activation analysis, 24:31272
  - Production of ^{11}C and ^{7}Be, 23:43345
  - Production of ^{128}I by small research reactor, 22:4185
  - Production of ^{18}F by small research reactor, 21:27527
- MARUYAMA, Yoshimi Emergency hazard protection and concerned education and training, 23:20236
- MARUYAMA, Yutaka Radiography with ^{192}Ir γ-rays, 22:12551
- MARVANOVA, H. Effect of bursectomy and thymectomy on cellular immunological reactions in chickens, 25:4468
- MARVEL, Orin Edward TRANSFORMATRIX: image processor input and stochastic processor sections, 24:29115 (COO-1469-161)
- MARVIN, A. L. Application of small-angle electron scattering to plasma diagnostics, 22:34588 (AD-666475)
- MARVIN, Horace N. Some biomedical applications of a non-linear curve fit method, 22:4564 (N-67-18203)
- MARVIN, Richard F. Radioactive and radiogenic isotope research in North America, 23:451
- MARVIN, T. P. Evidence for spreading of the strength of intermediate states of ^{30}Si, 22:27061
  - Observation of resonant structures at 20- to 23-MeV excitation in ^{30}Si through the ^{26}Mg(α,α)^{26}Mg reaction, 22:20535
- MARWICK, A. D. Low-angle scattering of energetic ions from an amorphous surface, 25:58689
  - Low-angle scattering of He$^+$ ions at a W crystal surface, 24:42527
- MARWICK, Charles Bad news for astronauts, 22:31078
  - Mobile ship-borne nuclear power, 22:46993
- MARX, D. Determination of the water—hydrogen selenide isotopic equilibrium constant, 23:17396 (NP-tr-1733)
  - Economic characteristics for fuel consumption in nuclear power stations, 25:60102
  - Microguides for neutrons, 25:45875
  - System—conformal optimization of reactor campaigns and upkeep turns, 24:47875
- MARX, Dieter Time bunching spectrometer using a bent rotating crystal, 25:29359
- MARX, E. Angular momentum in field theory, 22:48357
  - Classical theory of Lorentz vector fields, 21:37929
  - Creation and annihilation operators in Fock space, 25:1601
  - Gauge-independent quantum electrodynamics, 23:1686
  - Invariant functions and spectral representations, 24:20224
  - Pair annihilation at a potential barrier in time, 25:27985
  - Precession of satellite orbits in general relativity. II, 21:3955
  - Probabilistic interpretation of relativistic scattering, 23:23565
  - Relativistic bound states and cross sections, 25:33814
  - Relativistic quantum mechanics of identical bosons, 24:28599
  - Two-component spinor field, 25:17562
  - Wave mechanics of fields, 23:23536
- MARX, Egon Consistency of current commutators, 21:13721 (AD-640153)
  - Consistency of current commutators, 21:46496
  - Gauge invariance, Lorentz covariance, and observer, 25:25509
  - Relativistic quantum mechanics of fermions, 25:9841
- MARX, Erwin Electrical discharges in electron-irradiated plates of plexiglas and epoxy plastic, 22:28974
- MARX, G. Adsorption of pump fluids on clean metal surfaces, 21:12620
  - Antineutrino luminosity of the Earth, 24:48984
  - C violation in eta decay, 24:10803 (KFKI-22-1969)
  - C-violation in eta-decay, 24:18246
  - C-violation in eta-decay, 24:49559
  - Geophysics by neutrinos, 24:22777
  - Hunting for soft antineutrinos, 24:30438
  - K^0 and CP, 21:27408
  - Millistrong C violation and eta decay, 23:21137 (KFKI-2/1969)
  - Millistrong C violation and eta decay, 24:20198
  - Natural neutrinos, 25:4989
  - Neutrinos, gravity, and cosmology, 21:29504
  - Remark on the $\pi^0 \rightarrow 3\gamma$ decay, 21:29476
  - Semi-strong C violation with $\Delta I = 3$, 22:29738
  - Transport number measurements with radioisotopes in aqueous electrolyte solutions of very low concentrations, 23:21720
- MARX, Guenter Model investigation of the necessary expenditures for fast interplanetary flight by use of improved nuclear motors and fuel supplies at the target, 22:39868
- MARX, Gyorgy Natural history of meson 35 + 1, 22:3486
- MARX, H. Sintering of tungsten—rhenium alloys, 24:21379
- MARX, J. Charge asymmetry in decay K/sub L/ $\rightarrow \pi^+\pi^-\pi^0$, 24:37618
  - Charge asymmetry in K/sub e3/ decay and Reepsilon, 24:37617
- MARX, Jay Measurement of leptonic charge asymmetry in K/sub e3/ decay, 24:30436 (NEVIS-179)
- MARX, K. D. Effects of spatial variations on collisional losses in a mirror-confined plasma, 24:26145
  - Equilibria and stability of collisionless plasmas in cylindrical geometry, 22:17708
- MARX, K. W. Conceptual design for a 600 MW/sub e/ nuclear power plant, 24:50074 (CONF-700401-, pp 214-30)
- MARX, Kenneth D. Solution of the Fokker—Planck equation for a mirror-confined plasma, 24:49164
- MARX, Kenneth Donald Solution of Fokker—Planck equation for mirror-confined plasmas, 24:10548
- MARX, Lennart H. Amyloid lesions of bone, 24:29806
- MARX, P. Results of angiography and brain scanning following brain infarctions, 24:17074
- MARX, R. EPR spectra of some bicyclic radicals, 25:10638
  - ESR spectrum of γ-irradiated adamantane, 25:29139
  - Free radicals produced in the gas phase by low energy electrons, 23:47535
  - Radiopolymerization of solid acrylonitrile, 21:8372
- MARX, Rose EPR spectrum of-2,2,2-bicyclo-octyl radicals, 24:46264
  - Free radicals produced by γ radiation in spherical compounds of methylbutane series, 23:26289
  - Mechanism of formation of free radicals in radiolysis of some vinyl monomers in solid phase. I, 22:10305
  - Polymerization of acrylonitrile in a methyltetrahydrofuran glass at low temperature, 23:9453
- MARY, F. Power increase which can be achieved with certain reactors by heat pumping and accumulation, 25:54169 (A/CONF.49/P-582)
- MARY, Monique Thermoluminescence induced in thick targets by 3 GeV protons, 25:36298
- MARYAKHIN, A. A. Parameters of the local pseudopotential of cadmium, 23:32591
  - Pseudopotential coefficients and spin—orbit coupling in metallic cadmium, 22:5450
- MARYAKHINA, O. I. Energy levels of lanthanides and lanthanide ions, 24:23743
- MARYANOV, B. M. Determination of the rare-earth elements of the cerium group by radiometric titration with 8-hydroxyquinoline, 21:8207
- MAR'YANOVSKAYA, L. L. Photoproduction of charged π-mesons on carbon and oxygen nuclei, 22:26605
- MAR'YANOVSKAYA, T. S. Fatigue and brittleness of metallic materials, 23:51060
- MARYGINA, A. B. ^{103}Pd distribution in the animal organism, 25:55112
- MARYOTT, James Lee Calculation of the reactivity change from voiding the heavy water coolant of the plutonium recycle test reactor, 24:29044 (BNWL-1352)
- MARY ROGER, R. S. M. Procedures for finding fission tracks in mica and Mylar, 21:6204 (UCRL-17075)
- MARYSKA, S. Investigation of sorption properties of amberlite ^{120}Ir and of amorphous Zr(IV) phosphate for the separation of U from mixtures, 22:40204
  - Radiation-induced graft polymerization of vinyl monomers to cellulose by infrared spectroscopy. II, 22:45136
  - Study of radiation-induced graft polymerization of vinyl monomers to cellulose by infrared spectroscopy. I, 21:28023
- MARYUAMA, Y. Radiotherapeutic response of plasma cell tumors associated with monoclonal gammopathy, 25:16273
- MARZA, V. L. Influence of x rays on higher nervous activity in animals, 24:17144
- MARZAHN, K. Mensuration projects on German electron synchrotron in Hamburg, 21:13769 (BNL-tr-114)
  - Surveying problems on the German Electron Synchrotron, 21:13768 (BNL-tr-113)
- MARZANO, F. Low energy antipp annihilation into $\pi^+\pi^-$ and K^+K^-, 23:27741 (NP-17873)
  - Low-energy anti pp annihilation into $\pi^+\pi^-$ and K^+K^-, 23:27745
- MARZAT, Claude Coefficients of reflection and transmission of electromagnetic plane wave through a plasma, 23:18694
  - Electron density in median plane of neon plasma, 23:23094
  - Interferometric measurements of argon and neon plasmas in the 8-mm band, 22:44184
- MARZECKI, Zbigniew Application of radioactive cobalt for treatment of uterine cervix cancer, 23:33801
- MARZIN, Claude Molecular symmetry and configuration of acetaldazine, 25:37367
- MARZOCCHI, A. Composition of CRN Trisaia sand and clay and their ability to absorb some fission products, 25:6425 (RT/PROT-(70)5)
  - Ecological study of CRN site at Trisaia, 24:39469 (RT/PROT-(69)43)
  - Preliminary research on several types of lithology, 24:16675 (RT/PROT-(69)22)
- MARZOCCHI, M. P. Infrared spectra of crystalline benzene and benzene-d_6, 24:41290
  - Infrared spectra of crystalline cyclopentane and cyclopentane-d_{10}, 24:9295
  - Infrared spectrum in polarized light of CH_2Br_2 and CD_2Br_2, 23:7543
  - Infrared spectrum of crystalline CH_2Cl_2 and CD_2Cl_2, 24:27090
  - Infrared spectrum of crystalline CH_2Cl_2 and CD_2Cl_2, 25:23578
- MARZONA, M. Effects of ionizing radiations on wool. I, 22:47174
  - Effects of ionizing radiations on wool. II, 23:6185
- MARZULLO, T. Determination of intrinsic reactivity variations of Latina reactor, 23:33002 (EUR-4234)
  - Determination of reactivity and flux distribution in all Latina Reactor: comparison with experimental result of start-up, 22:50761
  - On-load calibration of Latina reactor control rods, 23:4195 (EUR-4058)
- MARZULLO, Tommaso Measurement of temperature coefficient of gas cooled reactor, 22:50753
  - Problems with flux flattening in a gas-graphite power reactor, 22:50765

MARZUVANOV, V. L. Spectral analysis of indigenous minerals, 24:41198
MAS, Luis Problem of two- or three-body motion in general relativity, 22:9695
  Solution of Einstein equations with magnetic field, 24:30579
  Study of empty space—times which allow a metric of Kerr type, 23:21167
  Study of metrics obtained by varying constrants of Kerr metric, 25:1593
  Study of the approximate Lagrangians of an isolated two body system from its relativistic invariance, 24:49365
MAS, P. Effecting dosimetry for the liquid organic loops in ORGEL Project, 21:21628 (CONF-651154-4)
  Graphite damage through neutron irradiation, 24:14972
MAS, Pierre Device for detecting and/or measuring the intensity of mixed radiation, 21:14463
  Fast neutron spectrum in reflector of a swimming-pool type reactor, 21:38443 (CEA-R-3180)
MAS, R. Policy of CEA in matters of design, management, and security of installations of high activity, 24:20967 (CEA-CONF-1429)
MAS, R. G. Irradiation behavior of Pu mixed-oxide driver fuel of Rapsodie, 23:4326
MAS, Roland Apparatus for dis-assembling nuclear reactor fuel elements, 21:30525
  Remote-controlled positioning apparatus, 22:49063
MAS, Roland Georges Device for securing remote-control manipulators against rotation, 21:36227
  Devices for handling radioactive charges, 21:34381
MASAGUTOV, V. S. Determination of C and O content in humic acid by means of photonuclear reaction, 24:16478
  Determination of O in Si by photonuclear reaction, 25:4046
  Determination of the content of copper in rocks by the application of photonuclear reactions, 24:5614
MASAI, Tadahisa Development of long-duration MHD generator, 25:24940
  Electrode materials for MHD power generators, 24:27773
MASAIKE, A. Electron-induced cascade showers in Pb, Cu, and Al, 24:12927
  Helium-3 cryostat for dynamic proton polarization, 24:37408
  Horizontal cryostat of continuous flow type for polarized proton targets, 22:15896
  Measurement of spin correlation parameters A/sub xx/ and A/sub yy/ of proton—proton scattering at 50 MeV, 22:26806
  Observations of approximately 15 GeV cosmic ray photons by means of spark—emulsion-chamber, 22:10559
MASAIKE, Akira Polarization of recoil protons from neutral pion photoproduction, 22:44306
MASAKI, M. Legal interpretations which would justify the practice followed by the Japan insurance pool, 24:22945
MASAKI, N. Preparation of U_4O_9 single crystal, 24:19490
MASAKI, Norio New superlattice reflections of U_4O_9, 23:45271
MASAKI, T. Leak rate test on nuclear reactor containment vessel, 24:28979
  Leak rate test on reactor containment vessel for Mihama Power Station, 25:60000
MASAKINO, Soji Method for producing nuclear fuel granular material, 22:19508
MASALOV, V. L. Collisionless relaxation of an ultrarelativistic electron beam in a plasma, 25:38414 (CONF-710607-68)
  Isomagnetic jump in front of a strong collision-free shock wave, 22:24292
  Shock waves propagating along a magnetic field in a collisionless plasma, 25:30620
MASALOVA, L. S. Amperometric determination of small amounts of Th. I, 22:48825
  Amperometric methods for determination of thorium. II, 23:11410
MASAMUNE, Yukito Effect of ultraviolet light on the intracellular stability of the DNA of bacteriophages T2 and T4, 22:40559
MASANET, Jeannine Formation of hot hydrogen or deuterium atoms by photolysis of ordinary or deuterated water vapor, 21:3034
  Photlysis of pure water vapor in the presence of deuterium at wave lengths of 1236 and 1470 A, 21:4546
  Reactions of H and deuterium formed in photolysis of methane and perdeuterated methane, 25:54573
MASANI, A. Astronomy of the neutrino, 21:5104
  Evolutive tracks of mixed stars, 22:52418
  Helium content of Galaxy from homogeneous stars, 25:22328
  Intense magnetic fields and shock wave propagation, 21:29257
  Shock waves at high densities. II, 22:2738
  Shock waves at high temperatures. I, 21:29319
  Stellar evolution, 25:47205
MASANZ, E. Indicating circuit for afterpulses of Geiger—Mueller counters, 21:3304
MASATA, M. Tests of gas circulator for first Czechoslovak nuclear power station, 23:37398
MASATO, Kazuo Reaction of carbon with nickel-base solid solution alloy containing carbide-forming element, 25:2716
MASATOSHI, Hayashi Reports of the study meeting on computer control of nuclear reactor, 25:46294 (KURRI-TR-75)
MASAYOSHI, Hasegawa Development of advanced reactor pressure vessel materials in Japan, 25:40062 (IAEA-117, Paper 1)
  Irradiation test of several steels for reactor pressure vessels, 25:40067 (IAEA-117, Paper 4-1)
MASAYUKI, Kawasaki Development of advanced reactor pressure vessel materials in Japan, 25:40062 (IAEA-117, Paper 1)
  Present views on irradiation embrittlement of reactor pressure vessel steel in Japan, 25:40066 (IAEA-117, Paper 3a)
  Surveillance test of Japan Power Demonstration Reactor (JPDR), 25:39143 (IAEA-117, Paper 6)
MASCALL, A. J. Superconductivity in thin films of beryllium, 23:12735
MASCALL, R. A. Gamma radiation-induced exchange of ^{18}O between carbon dioxide and carbon monoxide, 23:13744 (RD/B/N-1242)
MASCARENAS, R. R. Recovery of U from EBR-I core 2 melted fuel, 21:28049 (IN-1088)
MASCARENHAS, S. Diffraction camera for precision measurement of lattice parameters at low temperatures, 21:14514
MASCARENHAS, Y. Diffraction camera for precision measurement of lattice parameters at low temperatures, 21:14514
MASCARO, A. C. Monte Polarization bursts in the sun observed at microwave frequencies, 23:6857
MASCHE, G. C. Nuclear plant training, 22:37499
  Nuclear power plant operator training, 23:28395
  Nuclear power plant simultation applied to reactor operator training, 21:35635
  Physics for reactor operators, 22:5917 (APIO-1038)
  Training program for replacement operators, 25:41305
MASCHEK, Tivadar Goals of nuclear instrument development activities at the Gamma Works, 22:28103
MASCHERETTI, P. Photoconductivity of neutron-irradiated gallium arsenide, 24:51795
MASCHERONI, F. Analysis of radiologically treated cases of cancer of the oral floor, 24:23280
MASCHERONI, Pedro Leonardo Equation of state of ^{4}He near critical point, 23:46442
MASCHKA, A. Concentration of Li isotope by means of Haeffner effect, 22:45158
MASCHKE, A. Design of the 200-GeV slow extracted beam at NAL, 23:27995
  Hyperon beams at a 200-GeV accelerator, 24:3792 (BNL-14076)
  Muon—proton elastic scattering at high momentum transfers, 22:15665
  Scavenging of small radicals by nitric oxide, 22:2152
  Small-emittance, high-intensity proton beam, 24:52260 (TID-25473(Vol.1), pp 3-6)
MASCHKE, A. W. Antiproton—proton annihilation, 24:3512
  Bootstrap method for 500 MeV injection into the alternating gradient synchrotron, 21:29724
  Design for 1000-MeV booster synchrotron injector for Brookhaven AGS, 21:9871 (BNL-10884)
  Design of 500 GeV slow extracted beam and proton beam lines, 25:50530
  NAL booster-to-main ring beam transfer system, 25:50531
  Oscilloscope waveform digitizer, 25:49053
  Particle accelerator including means for transferring particles between accelerator and storage ring, 22:26757
  Target handling system for 200-GeV proton accelerator. 25:5470
  Target handling system for the 200-GeV proton accelerator, 25:53458
  Uses of rf beam structure in counter experiments at NAL, 24:52316 (TID-25473(Vol.3), pp 1-5)
MASCHKE, E. Torsatron without toroidal field coils as a possible solution to the divertor problem, 25:1235 (CEA-CONF-1602)
MASCHKE, E. K. Ballooning modes in axisymmetric toroidal configurations, 24:40113
  Configurations of the stellarator type, 23:32493
  Equilibrium, stability, and diffusion of toroidal plasma of non-circular cross section, 25:38473 (CONF-710607-83)
  Stabilization of density-gradient instabilities by the dispersion of curvature drift velocity, 22:7336
  Stellarator-type configurations with medium wells and shearing of magnetic lines, 23:20946 (CEA-CONF-1003)
  Straight stellarators with strong helical currents, 25:11918 (EUR-CEA-FC-543)
  Torsatron without toroidal field coils as a solution of the divertor problem, 25:27793
MASCHOFF, L. W. Annotated listing of a computer program for synthesis of multiple-output all NAND combinational-logic circuits, 22:44957 (SC-DR-67-693-A)
  Heuristic for computer-aided synthesis of multiple-output ALL NAND combinational-logic circuits, 21:47034 (SC-DR-67-693)
  Method for digitally detemrmining amplitude and phase-response information from analog swept sine vibration data, 25:26118 (SC-DR-710039)
MASCHUW, R. Neutron—neutron scattering length, 25:14887
  Neutron—neutron scattering length from reaction D(n,2n)H, 23:13198
  Neutron—neutron scattering length from a kinematically complete experiment on reaction $n + d \rightarrow n + n + p$, 24:28478 (DESY-70/7)
MASCIA, Carlo Strontium-90 in bones of birds, 24:2551
MASCY, Alfred C. Sensitivity of manned planetary spacecraft design to radiation uncertainties, 21:819
  Sensitivity of manned planetary spacecraft design to radiation uncertainties, 21:18795
MASDUPUY, E. Preparation and physicochemical study of uranyl germanate, 25:20972
MASDUPUY, Emile New compound of germanium and uranium, 23:143
MASE, A. Density fluctuations and longitudinal conductivity of a weakly ionized turbulent plasma in a magnetic field, 24:17911
MASE, H. Deposition of atoms sputtered in an abnormal glow discharge, 21:33185
MASE, I. B. Genetic effects of radiations, 25:46883
MASE, Kiyoshi Reactor development in West Germany, 24:35999
MASEDA, M. S. Determination of trace elements in sodium, 23:34970 (AI-AEC-12799)
MASEDA, Mary S. Analytical methods for determining impurities in sodium below 10 ppm, 23:45177 (ANL-7520(Pt.1), pp 278-83)
  Phenylfluorone method for determination of Ta, 23:34982
MASEFIELD, G. B. Food and nutrition procedures in times of disaster, 24:9839
MASEFIELD, J. Food irradiation as a threat to deep-freezing processes, 23:50967
  Food irradiation: a threat to deep freezing processes, 23:38908
  Irradiating apparatus, 24:452
  Pneumatic panoramic irradiator, 23:510
  Pneumatic panoramic irradiator, 23:9615
MASEFIELD, John Apparatus for irradiating objects with selected uniform doses of radiation, 24:16760
  Irradiated apparatus, 25:29260
  Pilot-plant meat irradiator, 22:30760
MASEIDE, K. Comparison of auroral light emission and electron density, 24:5056
  Emission from a Na trail released in aurora. II, 21:25055
MASEIDE, Karl Rocket measurements of the volume emission profile for auroral glow, 22:17515
MASEK, F. Macromolecular synthesis in E. coli 15, 22:47451
MASEK, Frantisek Effect of ultraviolet radiation on β-galactocidase and protein synthesis during starvation for essential substances by E. coli 15 THU, 22:40566
MASEK, G. E. Decay parameters and magnetic moment of the Ξ^-, 24:40281
  S-wave pion—pion scattering length, 25:9668
MASEK, George E. UCSD cosmic-ray muon zenith-angle experiment, 25:45312 (AD-718439)
MASEK, K. Influence of neutral gas cooling on longitudinal electric field in neon and helium discharge, 21:15140
  Low-current helium discharge at low pressures, 25:14301
MASEK, M. Corrosion of ceramic materials in a plasma of combustion gases, 23:39018
MASEK, T. D. Plasma characteristics of the electron bombardment ion engine, 22:46138 (N-68-23335)
MASEK, Tommy D. Plasma investigation in a reversed-current electron bombardment ion engine, 21:20948
MASEK, V. Radiation experiment on a model of a finned tubular fuel element. I, 25:27267 (UJV-2371.R,T.)
MASEK, Z. Problems of manufacture and welding of structural equipment of austenitic steels for nuclear reactors, 24:46707 (ZJE-81)
MASERATI, A. Instrumentation for rapid mechanical transients in model scale experiments, 23:26605 (EUR-4101, pp 153-92)
  Response of vessel to an internal blast loading, 22:44918 (CONF-660669-1)
  Some theoretical considerations and experimental data on propagation and reflection of underwater pressure and shock waves, 23:28506 (EUR-4101, pp 23-74)
  Study of impact stress in a vertical nuclear reactor channel, 24:43825
MASEREEUW, J. Ureteral stenosis following radiotherapy for cervical cancer, 21:24643
MASERI, Attilio Detection of two indicators in the circulation, 21:45518
MASETTI, Giorgio Evaluation of radiolytic degradation of some organoboron compounds, 23:49869
MASETTI, M. Calibration and test programs for the FSD system, 21:41260
  FSD—IBM 360/44 system at CNAF and its performances both with load and minimum guidance, 23:33498 (ANL-7515, pp 140-63)
  Future developments of CNAF FSD system, 21:41261
  HDP—IBM 360/44 system at CNAF for bubble chamber data analysis. I, 25:13267 (CERN-70-21(Vol.2), pp 607-15)
  HPD—IBM 360/44 system at CNAF for bubble chamber data analysis. III, 25:13269 (CERN-70-21(Vol.2), pp 625-30)
  HPD—IBM 360/44 system at CNAF for bubble chamber data analysis. II, 25:13268 (CERN-70-21(Vol.2), pp 617-24)
  Preliminary results of THRESH and GRIND obtained from FSD—IBM 7094 measured events, 21:41258
  System FSD—IBM 7094 built at CNAF, 21:41259
MASEVICH, A. G. Initial stellar main sequence, 21:5045
  Structure and evolution of stars with various chemical compositions, 25:13821
MASEY, L. M. Jr. Gamma irradiation of the European chafer. I. Irradiation of third-stadial larvae, with observations on spermatogenesis, 25:49279
MASH, Donald R. Fabricating the refractory metals. Part I. The materials and their properties, 25:16493
  Fabricating the refractory metals. Part II. Methods used to make parts, 25:29789
MASHACHUN, A. T. Populations of hydrogen levels in a recombining pulsed plasma, 21:44086
MASHADYAN, P. N. Effect of irradiation on egg formation and egg fertility of the mulberry silkworm, 24:34595
MASHAROV, N. F. Transition temperature of strongly coupled superconductors, 24:51590
MASHBERG, Arthur Scintillation scanning for bone involvement by squamous cell carcinoma of oral mucosa, 24:17107
MASHBURN, J. C. Deposition of nutrients to surfaces by Rodac plates. II, 21:2922 (SC-RR-66-386)
  Development of an increased sampling rate monitoring system, 21:3340 (SC-RR-66-585)
  Evaluation of efficiency of a class 100 laminar-flow clean room for viable contamination cleanup. I, 21:8181 (SC-RR-66-385)
MASHBURN, James C. Activated charcoal filtration, 23:33298 (SC-DR-69-316)

- MASHCHENKO, V. E. Coherent radiation from cadmium sulfide single crystals excited by an electron beam, 21:31210
  - Radiation-induced changes in the coherent emission from CdS crystals, 25:7470
- MASHHOON, Bahram Particles with spin in a gravitational field, 25:53353
- MASHIBA, Tadashi Acceleration mechanism of energetic electrons in the theta pinch, 25:1164
  - High-temperature electron plasma by slow mirror theta pinch, 25:59021
- MASHIMO, Misao Hot hardness of pure Fe and pure Ta, 24:36470
- MASHIMO, Tadadshi Removal of radioactive Sr deposited in the bone by means of parathyroid hormone and a chelating agent, 21:24363
- MASHIMO, Tomoyuki Spiral pipe for a pressure vessel, 24:46404
- MASHININ, V. A. Detection of defects in butt welds with beta rays, 25:57700
  - Theory of backscattering of fast electrons from a condensed medium. I, 25:13961
- MASHINSKAYA, T. E. Changes in the hemopoietic systems of rats irradiated with protons with an energy of 126 MeV and gamma rays of ^{60}Co, 21:16434 (JPRS-38272, pp 442-3)
  - Relative biological effectiveness of protons of 126 MeV upon repeated irradiations which have been likened in frequency to solar flares, 21:16440 (JPRS-38272, pp 430-1)
- MASHIROV, L. G. Bond energies in uranyl complexes, 22:4106
  - Bond orders in uranyl compounds, 21:5877
  - Extraction of uranyl trichloracetate with ethers, 23:9515
  - Influence of the electron-donor property of ligands on the composition of coordination spheres in uranyl perchlorate compounds, 21:27967
  - Infrared spectroscopy data on the external influence in uranyl complexes, 22:12299
  - Valence oscillations of [^{16}OU^{18}O]$^{2+}$ in uranyl complexes, 23:35069
- MASHKAROV, Yu. G. Errors during work with pulse sources of radiation and counters with extended dead time, 23:31534
- MASHKEVICH, A. Ya. Effect of ^{60}Co gamma radiation on isotopic exchange in molecular oxygen—oxide system. I, 24:16567
  - Influence of ^{60}Co γ radiation on isotopic exchange in molecular oxygen—neodymium oxide system, 22:42786
- MASHKO, V. E. Radiation factors in the production and use of krypton and xenon, 23:9953
- MASHKOV, B. A. Use of ^{64}Cu to diagnose hepatolenticular degeneration, 21:30857
- MASHKOVA, E. S. Amorphization of crystals by ion bombardment and mechanisms of secondary processes, 25:59175
  - Anisotropic spatial distribution of ions scattered by a single crystal, 25:13970
  - Dependence of the ion—electron emission coefficient on the angle of incidence, 21:11456
  - Effect of radiation target damage on angular regularities, 23:44530
  - Energy dependence of secondary-electron emission in crystals, 25:59146
  - Energy distribution of light ions scattered by solid surfaces, 22:45955
  - Influence of the thermal vibrations of the crystal lattice upon the energy distribution of scattered ions, 21:11455
  - Ion scattering by crystals, 21:23286
  - Mechanism of ion scattering by crystals, 25:9556
  - Multiple collisions in the scattering of ions by crystals, 21:37582
  - Observing defects annealing in crystals, 22:1307
  - Scattering of ions by crystals, 21:606
  - Some regularities of ion-beam interactions with semiconductors, 22:26232
  - Spatial and energy distributions of ions scattered by crystal, 23:48968
  - Spatial and energy distributions of ions scattered by crystals, 24:42528
- MASHKOVICH, V. P. Albedo gamma radiation, 23:34490
  - Differential albedo for γ rays from point monodirectional source, 22:7341
  - Differential albedo of a thin beam of fast neutrons for a semiinfinite scatterer consisting of iron, 24:49242
  - Epithermal neutron converter of B-2 beam of the BR-5 reactor, 22:18565
  - Field of intermediate energy neutrons in carbon, 23:46537
  - Gamma radiation from radioactive isotopes and fission products, 22:18203
  - Maximum permissible levels of ionizing radiations, 21:41404 (JPRS-41259)
  - Neutron dose composition in shielding materials, 21:33502 (AEC-tr-6719, pp 1-6)
  - Physical principles of radiation protection, 24:21847
  - Propagation of intermediate neutrons in shielding medium, 23:37659
  - Protection against ionizing radiation, 21:28507
  - Transport of the nuclear radiation in shield irregularity, 24:1982
- MASHKOVICH, V. V. Distribution of gamma radiation at a shield boundary from sources having arbitrary angular distributions, 25:47610
- MASHKOVICH, Vadim Pavlovich Protection against ionizing radiation: a manual, 22:40730
- MASHOVETS, T. V. Annealing of InSb irradiated with x and gamma rays, 22:15635
  - Damage formation rates in Ge subject to thermal treatment, 21:37565
  - Donor—vacancy type complexes in germanium, 25:59133
  - Effect of thermal defects on radiation stability of germanium, 21:37593
  - Formation of radiation defects in indium antimonide, 25:7451
  - Formation of structure defects during low-temperature irradiation of indium antimonide with x rays, 21:31484
  - Influence of thermal defects on radiation stability of Ge, 21:45972
  - Investigation of γ-radiation defects in high-purity Ge, 25:22625
  - Low-temperature γ irradiation and annealing of indium antimonide, 21:4982
  - Nature of damages in In antimonide produced by γ and x irradiation, 21:37566
  - Studies of γ-radiation defects in high-purity germanium, 25:1275
- MASHTAKOV, S. M. Herbicide effects of sodium trichloroacetate, 24:50419
- MASHTYLEV, N. A. Current distribution in a coaxial accelerator, 24:49136
  - Effect of interruption time on plasmoid acceleration in an inductive energy-storage accelerator, 25:49887
  - Plasmoid acceleration in an injector with inductive energy storage, 25:49890
- MASI, A. Effects of first tempering temperature on brittleness of steel, 22:31378
- MASI, Alfonse T. Thyroid disease among young people in Utah, 1948—1962, 22:15084
- MASI, G. Establishment of laboratory for determination of Pu in biological samples, 25:2108 (RT/PROT-(70)14)
  - Plutonium bio-assay laboratory at the Casaccia Nuclear Center, 25:37820 (EUR-4612, pp 421-35)
  - Radiotoxicological analyses used at CNEN, 25:57347 (RT/PROT-(71)9)
- MASI, O. Present state and possible future of use of radioisotopes in Italian industry, 22:8311
- MASI, Oscar Radioisotopes in manufacturing industries, 24:20955
- MASI, R. Early alterations of the irradiated lung: evaluation of scans, 24:46636
- MASIC, R. Ionic bombardment device of "Eolion" type, 21:27482
  - Producing ion beams from metals and gases using plasma jet from a duoplasmatron, 23:34698
  - Production of ion beams of various elements beginning with the plasma jet leaving the duoplasmatron, 24:45687
  - Source of high-energy neutral particles. II, 21:43762
- MASIEWICZ, B. Ultrahigh vacuum metal device, 22:16852
- MASILUNGAN, Benedicto A. Measurement of abrasion using radioisotopes, 23:31491
- MASIMOV, E. A. Calculation of thermodynamic functions of ^{3}He—^{4}He solutions, 23:25278
  - Investigation of thermodynamic properties of ^{3}He—^{4}He solutions during HeI—HeII transition, 23:3414
  - NMR for investigation of thermodynamic properties of ^{3}He—^{4}He, 22:13406
  - Nuclear relaxation in liquid solutions of helium isotopes, 23:14738
- MASINI, G. Dynamic behaviour of two-phase flow rods for nuclear reactor control, 25:10187
  - Flow instability thresholds in parallel heated channels, 23:2500
- MASINO, A. P. Anion-exchange separation of neptunium from uranium and thorium in basic solution, 25:10655 (ANL-7751)
- MASIRONI, R. Differential hypothermia-normothermia as new tool to enhance activity of anti-cancer drugs, 23:6518
- MASIRONI, Roberto Radioprotective action of Versene on gamma irradiated bacteriophages, 25:58032
- MASKAEV, A. S. Mill for grinding carbides, 21:14873
- MASKALICK, N. J. Sintered zirconia electrolyte films in high-temperature fuel cells, 25:55596
- MASKAWA, Toshihide Chiral symmetry and eta—X mixing, 25:17541
  - Mixing effect between particles and resonances, 21:46544
  - Nonlinear realizations of groups and chiral transformations in the quark model, 24:47494
  - Single pion production in low energy pion—nucleon scattering, 23:42678
  - Symmetry breaking of the chiral U(3) x U(3) and the quark model, 25:53269
- MASKELL, C. W. A. Improvements in or relating to cold cathode glow discharge devices, 23:7914
- MASKELL, Clifford William Alfred Improvements in cold-cathode discharge devices, 23:33579
  - Improvements in or relating to cold-cathode discharge devices, 25:51949
- MASKER, W. E. Degradation of long-range order in "one-dimensional" superconductors, 22:7253
  - Electrical conductivity of a superconductor, 24:15238
  - Electrical conductivity of a two-dimensional superconductor, 23:10583
  - Pair conductivity above T/sub c/ in Al films, 24:26107
  - Superconductivity in multiple pair-breaking regimes, 22:17596
  - Vortex motion in the presence of thermodynamic fluctuations, 25:14207
- MASKER, Warren Effect of nalidixic acid on semiconservative replication and repair synthesis after ultraviolet irradiation in Escherichia coli, 25:27125
- MASKER, Warren E. Fluctuation effects in one- and two-dimensional superconductors, 25:14162
- MASKEWITZ, Betty F. Bibliography of computer codes literature, 21:44142 (ORNL-RSIC-15(Rev.1))
  - Computer codes for shielding calculations, 1969, 24:21845
  - Computer codes for shielding calculations: 1970, 25:3179
  - Radiation Shielding Information Center computer codes collection, 1963—1967, 21:40050 (ORNL-TM-1956)
  - Review of discrete ordinates S/sub n/ method for radiation transport calculations, 22:22524 (ORNL-RSIC-19)
  - Review of Monte Carlo method for radiation transport calculations, 25:17258 (ORNL-RSIC-29)
- MASKORNICK, Michael John Proton exchange kinetics of olefins in cyclohexylamine, 25:2184
- MASLAND, David S. Postradiation pericarditis with chronic pericardial effusion, 22:51973
- MASLEEV, N. N. Baryon representations of Schwinger W(3) symmetry group, 23:51977 (IFVE-STF-69-12)
  - Electromagnetic interactions of baryons in theory of Schwinger, 25:53078
  - Fermion scattering in chain approximation to V—A theory of weak interactions, 24:40338
  - Relativistically invariant equation for baryons in Schwinger model, 25:53194
- MASLEN, V. W. Anharmonic vibration in fluorite structures, 21:25194
- MASLENKOV, S. B. Intracrystallite liquation in nickel alloys containing niobium, 25:55506
  - Oxidation resistance of W—Nb—Ti alloys, 23:8117
- MASLENNIKOV, B. K. Cross sections and angular anisotropy of fission fragments for fission of some isotopes Pu, Am, and Cm by fast neutrons, 21:31825
- MASLENNIKOV, E. A. Operational characteristics of N-5S pump with sorption traps for oxidized iron, 24:31672 (IAE-1869)
  - Use of nitrites to obtain and maintain a very high vacuum in thermonuclear equipment, 25:19728
  - Vacuum system of Ogra-II, 23:8584
- MASLENNIKOV, M. V. Discrete model of medium in a problem on rarefied plasma stream interaction with a charged body, 21:29283
  - Milne's problem with anisotropic scattering and related problems, 22:3595
- MASLENNIKOV, N. M. Experimental studies of plasma electroconductivity in a model of magnetohydrodynamic generator, 21:44120
- MASLENNIKOV, S. I. Device for multiparametric investigation of nuclear fission, 25:18670
- MASLENNIKOVA, E. G. Heat content of metallic hafnium, 25:55445
  - Thermochemistry of the hafnium—silicon system, 25:55644
- MASLENNIKOVA, L. B. Determination of electron density in plasma, 24:17565
- MASLENNIKOVA, N. V. Effect of γ-radiation on amino acid composition of muscular tissue of fish, 25:19110
- MASLENOK, B. A. Examination of control drive of maritime nuclear reactors, 22:3879
  - Testing the control rod drives of marine nuclear reactors, 22:14233 (JPRS-43834)
- MASLEY, A. J. Characteristics of solar cosmic ray events. Solar minimum versus solar maximum, 22:2876
  - July 7, 1966 solar cosmic-ray event, 23:22818
  - Low-energy solar cosmic ray experiment for OGO-F, 22:29306
  - Modeling of solar cosmic-ray events, 24:17718
  - Polar observations of solar cosmic ray events during the IQSY, 21:7077 (AD-636675)
  - Recent advances in cosmic ray research, 22:2865
  - Riometer observations in polar caps of solar cosmic ray events during IQSY, 21:46113
  - Solar cosmic radiation and magnetospheric studies during 1967—1968, 23:20764
  - Solar cosmic-ray activity, 22:1021
  - Solar cosmic-ray observations during 1969, 25:9260
  - Theoretical studies of solar cosmic ray: ionosphere interactions, 22:2877
- MASLIN, E. E. Computer control of neutron beam experiments, 23:23979
  - Prompt neutron emission from ^{235}U fission fragments, 21:33957 (AWRE-O-43/67)
  - Prompt neutron emission from ^{235}U fission fragments, 22:9899
  - Use of PDP-8 computer for operation of several neutron beam experiments, 23:29270
- MASLOV, A. B. Effect of doses of γ-rays and chemical mutagens on wheat, barley, and pea, 21:45597
- MASLOV, A. I. Formation of dense plasma by injecting high-energy electron beam into magnetic trap mirror, 23:48917
  - Heating of a hot plasma created by an electron beam, 25:58972
  - Investigation of dense plasma formation using electron beam injection into magnetic trap, 25:3113
- MASLOV, A. N. Time-of-flight measurements of pair fragments of ^{244}Cm and ^{252}Cf spontaneous fission, 25:53772
- MASLOV, D. Hydrogen isotope spectral analysis of some hydrides, 25:31800
- MASLOV, G. N. Gamma-radiation of B, C, N, O, F, Al induced by 14 MeV neutrons, 22:48463
  - Long-lived gamma activity of fission products in a uranyl sulfate solution, 23:35253
- MASLOV, I. A. Activation analysis for investigation of sorption and sublimination properties of high-temperature materials, 24:24
  - Applications of neutron activation analysis to measurement of evaporation rate of solids in range of 10^{-7} to 10^{-9} g cm^{-2} sec^{-1}, 23:49754
- MASLOV, N. P. Clinico-morphological changes in malignant thyroid tumors after preoperative distance gamma-therapy, 21:45683
- MASLOV, O. D. Experiments on chemistry of element 104: kurchatovium. V, 24:36225
- MASLOV, P. G. Theory of high-temperature nitrogen plasmas, 25:45486
  - Thermodynamics of isotope exchange of mixed fluorides, chlorides, and bromides of boron, 25:44360
- MASLOV, V. I. Role of rodents in biogenic migration of U, Ra, and Th, 24:41787
  - Translocation of natural radioactive elements, 24:41785
- MASLOV, V. V. Effects of reheating on the structure and properties of fast cooling Al—Zr alloys, 24:10060
- MASLOV, Yu. P. Theory of high-temperature nitrogen plasmas, 25:45486
- MASLOVA, A. F. Catecholamine metabolism in the sympathetic ganglion during stimulation of the preganglionic fibers in irradiated animals, 21:8715

MASLOVA, E. V. Thermoelectron emission of Y, Sc, and Er, 22:4783

MASLOVA, G. B. Diffusion mechanism of rare earth elution, 22:16509

MASLOVA, G. M. Inhibition of corrosion process in acid media, 24:17219

Iodine complexes of irradiated potato starch, 22:49238

MASLOVA, K. I. Role of rodents in biogenic migration of U, Ra, and Th, 24:41787

Translocation of natural radioactive elements, 24:41785

MASLOVA, L. V. CdTe detectors, 22:40390

Gamma spectrometers with germanium detectors, 22:14798

Gamma spectrometry based on germanium detectors, 21:28218 (ORNL-tr-1651)

Gamma spectrometry by cadmium telluride (CdTe) n-p counters (solid state), 22:28139

Spectrometry of alpha particles by n—p counters based on cadmium telluride, 22:21343

MASLOVA, N. P. Leukemia after x-ray therapy of chromophobic adenoma, 21:45735

MASLOVSKAYA, M. N. Polarization of short-period Pc2—Pc4 pulsations, 25:22433

MASLOVSKAYA, R. S. Comparative study of the aging process of polymer films under the action of ultraviolet and of ionizing irradiations, 22:27780

MASLOWSKA, Joanna Separation of the alkaline earth metal ions by ionophoresis on filter paper and poly(vinyl alcohol), 25:54725

MASLOWSKI, J. Green Bank sky survey in search of radio sources at 1400 MHz. I, 25:58531

MASLOWSKII, Edward A. Effects of reactor radiation on 4.7-volt silicon voltage-regulator diodes, 24:25345 (N-70-16345)

MASL'UK, V. M. Effect of initial heat-treatment on the mechanical properties of high-nickel alloys after neutron irradiation, 25:22118 (SRARI-P-80)

Effects of initial heat treatment on the mechanical properties of high nickel alloys after neutron irradiation, 25:22116 (AEC-tr-7188)

MASNOU, J. L. Adler's test of the PCAC hypothesis, 24:18072 (CONF-690330-, pp 90-5)

PCAC tests in high energy neutrino interactions, 25:45647 (LAL-1245)

MASNOU-SEEUWS, F. Collision problems with identical particles, 24:26539

Fine-structure transitions in sodium—rare-gas collisions, 25:9207

MASOKHINA-PORSHNYAKOVA, N. N. Effect of ionizing radiation on Cl. botulinum spores, 24:48762

MASOLEVA, E. N. Cast nickel-base alloys, 25:22086

MASON, A. Plankton ecology project station data, Aesop cruises 1-12, 4/69—3/70, 24:53052 (NYO-3497-24)

MASON, A. A. Measurement of excitation and electron temperature in a nitrogen plasma, 23:23079 (AD-675210)

Numerical study of early population density relaxation of thermal hydrogen plasmas, 24:12815 (AD-695472)

MASON, A. L. Renormalized axial divergence in quantum electrodynamics, 25:53282

Two-particle unitarity in iterated Regge-cut model, 25:12289

MASON, B. J. Tritium uptake following a thermonuclear test, 24:7782

MASON, B. T. Radiation induced avoidance behavior transfer by brain extracts of mice, 24:12302

MASON, Benjamin J. Iodine-131 dairy cow uptake studies using a submicrometer synthetic dry aerosol (Project SIP), 25:29505 (SWRHL-39-r)

Plant radioiodine relationships: a review, 25:13395 (SWRHL-90-r)

Range survey, Area 18, Nevada Test Site, 23:26711 (SWRHL-52)

Soil survey of Area 15 Nevada Test Site, 25:46560 (SWRHL-106-r)

MASON, Benjamin Jordan Selective inhibition of ion absorption by uranyl, 22:422 (RLO-1547-4)

Selective inhibition of ion absorption by uranyl, 22:8494

MASON, Brian Composition of stony meteorites, 23:46157

Lunar rocks, 25:58678

MASON, C. B. AELINK: independent program linking facility for IBM 360, 23:19602 (AAEC/TM-494)

MASON, C. F. Mechanical design concepts of Dynamitron accelerators, 21:38012

Tandem Dynamitron, 23:27949

MASON, C. J. Atomic nitrogen in the upper atmosphere measured by mass spectrometers, 22:36854

MASON, Conrad J. Mass spectrometer for atmospheric composition at satellite altitudes, 23:45586

MASON, D. C. Eta production near threshold, 21:5357

MASON, D. K. Iodide concentration in hamster salivary glands, 22:12770

Uptake and scanning of the salivary glands in man using pertechnetate /sup 99m/Tc, 21:39460

MASON, D. L. Energy straggling of 1-MeV protons in gases, 21:3671

Proton—proton bremsstrahlung at 47 MeV, 23:15498

Proton—proton bremsstrahlung at 61.7 MeV, 22:26796

Proton—proton bremsstrahlung at 65 MeV, 23:30930

MASON, D. S. Strain hardening and strain rate in one-dimensional wave propagation calculations, 25:12909 (SC-RR-70-471)

MASON, D. W. Binary collision losses in stellarators, 23:20880

Calculations of plasma loss and plasma potential in mirror machines, 22:52728 (CONF-671127, pp 280-308)

Containment of high-density plasma, 23:32328

Potassium beam probe for the measurement of electron density, 21:23162 (CLM-R-68)

MASON, David L. Proton—proton bremsstrahlung measurements, 22:50276 (ORNL-TM-2275)

MASON, David R. EPR study of nuclear radiation effects in $CaWO_4$, 24:51814

MASON, Dean T. Rapid sequential visualization of heart and vessels in man using Anger scintillation camera, 23:38651

Video system for recording radioisotope studies, 23:38672

MASON, E. A. Adiabatic excitation transfer in gases, 21:22970 (N-67-14398)

Comparison of degradation rates of Santowax OM and Santowax WR, 22:4172

Current in-pile irradiations of Santowax OMP, 21:21714

Deep penetration of radiation by the method of invariant imbedding, 21:21002

Diffusion of atoms and molecules, 25:11731

Diffusion of gases in graphite pores, 24:42227 (DP-Report-111)

Economic potential of FBR blankets, 25:41448

Effect of ^{236}U and ^{237}Np on the value of U as feed for pressurized water power reactors, 22:32907

Effect of ^{236}U and ^{237}Np on value of U as feed for power reactors, 22:37446 (MIT-2073-6(Vol.1))

Effect of ^{236}U and ^{237}Np on value of U as feed for power reactors, 22:37447 (MIT-2073-6(Vol.2))

Effect of reactor irradiation on Santowax WR, 21:10373 (MIT-334-70)

Effect of reactor irradiation on Santowax OM and WR, 22:42388 (MIT-334-94)

Effect of reactor irradiation on Santowax OM and WR, 23:4208

Effect of resonant charged exchange on heat conduction in plasmas, 21:772

Estimated ion mobilities for some air constituents, 24:37365

FBR blanket depletion studies: effect of number of energy groups, 25:5960

Growth of K chloride crystals from aqueous solutions. II, 21:8358

Measurement of the neutron and gamma dose in a nuclear reactor, 23:4322

Practice school: bridge for the academic/industrial gap, 24:7064

Process chemistry, 24:22734

Quantum transport cross sections for ionized gases, 25:14297

Scattering of high-velocity neutral particles. XVI, 23:41960

Thermal diffusion in systems ^{4}He—HT and ^{3}He—HD, 22:10348

Thermal separation of ortho and para forms of H_2 and D_2, 25:2405

Transport coefficients of ionized gases, 21:42086

Transport properties of almost-Lorentzian mixtures, 23:14794

Transport properties of partially ionized argon, 25:56183

Trends and advances in molecular beam research, 24:19725

MASON, E. W. Effect of thermal neutron irradiation on thermoluminescent response of CON-RAD type-7 Li fluoride, 24:16897

Plugging of leaks in radium containers, 23:35814 (ACRH-31, pp 134-43)

Plugging of leaks in radium containers, 24:418

Thermoluminescence response of ^{7}LiF to ultraviolet light, 25:39762

Versatile controller for thermoluminescence read-out systems, 24:2501

MASON, Edward A. Analysis of a subliming nuclear microthruster, 24:31614

Effect of ^{236}U and ^{237}Np on value of U used as feed for thermal power reactors, 22:46903 (MIT-2073-7)

Heat transfer optimization and reactivity of nuclear rocket reactors, 25:6127

Measurement of the apparent kinetics order of radiolysis and the fast-neutron effect in terphenyl irradiations, 21:5926

Mid-range optimization of a nuclear power plant, 25:5904

Passive nuclear attitude control system for solar probes, 25:4222

Reactor economics, 23:37676

Recent studies on terphenyl coolants, 22:44923 (MIT-334-55)

Short-range optimization of use of a nuclear power plant, 25:5905

Solution for fluid conditions in high-velocity flow, 22:5940

Subliming nuclear microthruster and its space applications, 25:42017

Transient acceleration of creep rates of polymers during high intensity irradiation, 22:6346

MASON, F. High temperature furnace in a materials testing reactor, 23:9207

MASON, G. Search for fractionally charged particles in showers, 24:32951 (PITHA-36)

Search for fractionally charged particles in showers of low density, 24:32952

MASON, G. F. Gamma ray spectral analysis, 21:21854 (AD-643127)

MASON, G. M. Cosmic-ray ^{3}H from satellite measurements, 1965 to 1969, 25:30330

Cosmic-ray telescope employing detectors in the shape of a spherical segment, 23:16115

MASON, G. R. Atmospheric tide measurements by cosmic ray intensity, 21:642

Neutron emission from nuclear excitation by radiationless transitions in μ-atomic ^{209}Bi, 23:42930

Neutron lifetime in a cosmic-ray neutron monitor, 21:3286

Non-radiative muon transitions in heavy elements, 24:51410

Radiological findings in radiation-induced enteritis and colitis, 24:48724

Surgical therapy for radiation enteritis, 23:29596

MASON, G. Robert Combined treatment of cancer of the esophagus, 23:50779

MASON, G. W. Analogous actinide(III) and lanthanide(III) tetrad effects, 24:14013

Coherent cosmic-ray model based on direct muon production, 22:52966

Diluent effects in the extraction of selected metallic cations by bis(hexoxy-ethyl) phosphoric acid, 21:22016

Evidence for a new production process for 10^{12}-eV muons, 22:7180

Extraction of selected metallic cations by highly hindered $(GO)_2PO(OH)$ extractant in two different diluents from aqueous chloride phase, 25:34706

Extraction of U(VI) and selected M(III) cations by bis neo-octyl phosphoric acid in two different hydrocarbon diluents, 25:10679

Extraction of U(VI) and selected M(III) cations by bis n-octyl phosphoric acid in two different hydrocarbon diluents, 25:13096

Paritition of oxidized Am from actinides(III) and lanthanides(III), 24:20863

Tetrad effect in the liquid—liquid extraction ordering of lanthanides(III), 23:35284

Two octyl phenyl phosphinic acids, $(R)(C_6H_5)PO(OH)$, as extractants for selected M(III) and M(VI) metallic cations, 25:4147

MASON, Georges Simulated transport of 2-MeV electrons, 24:44966 (EUR-4452, pp 401-35)

MASON, Grant William Implications of a new production process of 10^{12}- to 10^{13} -eV muons, 23:39604

MASON, H. C. Induction of post-irradiation conditioned avoidance behavior by intraperitoneal injection of brain tissues, 24:51032

Radiation induced avoidance behavior transfer by brain extracts of mice, 24:12302

Radioprotective effects of dimethyl sulfoxide vapor on mice, 22:31252

MASON, Harold P. Abundance of H in the atmosphere of Jupiter, 22:52409

MASON, Horatio C. Effect of irradiation on mating and reproduction of D. melanogaster, 23:43930

MASON, I. B. Reactions of carbon constituents during graphitization, 22:4862

Young's modulus of artificial carbons and graphites, 24:42231 (DP-Report-411)

Young's modulus of carbon and graphite artifacts, 22:11067

MASON, J. F. Beta decay of ^{90}Kr and ^{91}Kr, 24:43365

Decay of ^{90}Kr and ^{90}Rb, 25:20384

Level structures of ^{91}Rb and ^{91}Sr as populated in beta decay, 25:20459

Lifetime of the first excited state of ^{91}Sr, 24:43399

MASON, J. T. Crystal structure of a Sm—Zn compound with approximate composition $SmZn_{11}$, 24:34917

Phase relations and crystallographic data for Pr—Zn system, 24:42151

Phase relations and thermodynamic properties for the samarium—zinc system, 21:24794

Thermodynamic properties of Pr—Zn alloys, 25:32720

Ytterbium—zinc phase diagram, 22:36501

MASON, John Morton Improvements in or relating to pre-stressing of concrete pressure vessels, 23:39044

MASON, K. H. Rocket studies of isolated ionospheric irregularities, 21:43939

MASON, M. G. Mid- and far-infrared spectra of HF and DF in rare-gas matrices, 25:29066

MASON, Michael David Lawrence Plasma-jet engine, 24:24897

MASON, P. Annihilation process p anti p $\rightarrow 2\pi^+2\pi^-\pi^0$ at 2.5 GeV/c, 25:45660

Annihilation process p anti p $\rightarrow 2\pi^+2\pi^-$ at 2.5 GeV/c, 25:59271

Evidence for the existence of mesons decaying to four pions, 21:18903

Pion—pion correlations at low energies, 23:30701

Reaction p anti p $\rightarrow$ p anti $p\pi^+\pi^-$ at antiproton momentum of 2.5 GeV/c, 25:45661

Scattering $\pi\pi$ effects in pantip annihilations at 2.5 GeV/c, 22:39372 (CERN-68-7(Vol.1), pp 595-8)

Search for meson resonances in high multiplicity processes, 22:39373 (CERN-68-7(Vol.2), pp 281-302)

MASON, P. V. Effect of tin additive on indium thin-film superconducting transmission lines, 25:14223

Slow-wave structures utilizing superconducting thin-film transmission lines, 23:29280

MASON, Paul M. Design, installation, and testing of a stainless-steel liner for a swimming pool reactor, 21:35731

Modification of a BSR-MTR-type grid plate to accept fueled followers, 25:51188

MASON, R. Adjustable and demountable Langmuir probe, 25:46654

Advances in structure research by diffraction methods. II, 22:20091

MASON, R. C. Prog. rpt. on physics verification program, 7—9/69. III, 24:18614 (BAW-3647-15)

Prog. rpt. on physics verification program, final, 4/70. III, 24:33545 (BAW-3647-16)

MASON, R. H. Observations of geomagnetospheric wake at 1000 earth radii, 21:43934

MASON, R. J. Computer simulation of ion-acoustic shocks, 25:47545

Modified particle-in-cell method for collisional plasmas, 25:17167 (CU-3954-6)

Particle-in-cell method for model kinetic equations, 25:15431 (CU-3954-3)

MASON, Richard C. Radiation induced hypertension in dog, 24:6127

MASON, Rita Maternal x irradiation and the frequency of mongolism, 25:11300

MASON, Rodney J. Electric-field penetration into a plasma with a fractionally accommodating boundary, 23:12790

Structure of evolving ion-acoustic fronts in collisionless plasmas, 24:21829

MASON, Ronald E. State-wide training and service program in forensic neutron activation analysis, 25:48466 (CONF-710402-(Vol.2), pp II.77-80)

MASON, S. J. Prog. rpt. on electronics, 10/15/67, 22:9271 (TID-24203)

Prog. rpt. on electronics, 4/15/68, 22:34572 (TID-24491)
Prog. rpt. on electronics, 7/67, 21:39971 (TID-23971)
Prog. rpt., 1/15/68, 22:22119 (TID-24331)
Prog. rpt., 4/67, 21:29190 (TID-23827)
Prog. rpt., 7/15/68, 22:46095 (TID-24666)
MASON, T. Preparation of Curie amounts of ^{234}Th(UX$_1$) and millicuries of ^{234}Pa(UZ) by extraction of ^{238}U, 22:33382
MASON, T. M. Calibration of standard leaks using an analytical gas mass spectrometer, 23:26500 (GEPP-61)
MASON, Tony Improvements in or relating to solvent extraction processes, 21:4615
MASON, W. B. Radiation-induced thyroid dysfunction in the dog, 23:22399
MASON, W. H. Reingestion of feces and excretion rates of ^{65}Zn, 24:23093
MASON, W. J. X-ray and nuclear radiation facilities, personnel safety features, 25:11078 (Y-1754)
MASON, W. M. Angular distribution measurements in inverse photonuclear reactions, 25:10865
Angular distributions from reaction ^{12}C(α,γ_0)^{16}O, 25:36675
Giant dipole resonance and isospin in ^{89}Y(p,γ)^{90}Zr, 23:49430
Mechanism of ^{31}P(p,γ)^{32}S reaction in giant dipole resonance region, 24:8870
Radiative capture of protons by ^{11}B above peak of giant dipole resonance, 23:8948
MASON, Warren P. Damping of dislocations in niobium by phonon viscosity, 25:27905
MASON, William H. Effect of coprophagy on retention and bioelimination of radionuclides, 23:17907 (CONF-670503-, pp 721-4)
MASOOD, A. CaSO$_4$—Mn dosimetry in dental x-ray diagnosis, 25:21719
MASOUD, M. High-speed shock-wave investigation, 23:27621
MASOUD, M. M. Experimental studies on magnetically driven shock wave passing through a longitudinal magnetic field, 25:36117 (UARAEE-106)
Experimental studies on shock waves propagated through a longitudinal magnetic field in electrodeless discharge tubes, 25:36092 (UARAEE-101)
MASOUNAVE BOUNAHOUM, Jacques Irradiation defects in gold, 24:51783 (CEA-CONF-1585)
MASOUREDIS, S. P. Radioisotopes as applied to diagnostic hematology, 25:42573
MASOZERA, C. Determination of aluminum and silicon in the argillaceous fraction of Congolese soils, 24:43974
Determination of major and trace elements in soils, 24:43973
MASPERI, L. Angular structure of πN Veneziano models, 25:7674
Do the commutation rules for coupled fields depend on their interaction, 21:3952
Finite energy sum rules with $\pi\pi$ Veneziano amplitudes, 25:59450
General continuous-parameter sum rules, 24:18295
General continuous-parameter sum rules, 24:49622
Indications of rho-like singularities in complex J-plane, 22:9596
Isobaric saturation of Adler—Weisberger sum rule, 21:40223
Nonvanishing asymptotic total π-N cross-sections from continuous moment sum rules, 22:34998
Quantitative high-energy πp scattering predictions from low-energy phase shifts, 23:3750
Regge singularities in forward πN charge exchange, 22:29708
SU$_3$ continuous-moment sum rules for meson—baryon, 23:21122
MASPERONI, A. Alloys of U—Mo—Nb and U—Mo—Zr, 21:43583 (EUR-3479.i)
Behavior of uranium rich alloys on thermal cycling, 23:27056 (RT/MET-(69)1)
Effects of thermal treatment on structure of uranium alloys containing niobium, 21:13192 (RT/MET-(66)1)
Ternary alloys of U—Mo—Nb and U—Mo—Zr at low content of binder, 23:24927 (RT/MET-(68)5)
Ternary alloys of U—Mo—Nb and U—Mo—Zr with low-alloying content, 24:10080 (ORNL-tr-2252)
Thermal cycling behavior of uranium-rich alloys, 24:34880 (LA-4291-TR)
Uranium alloys for reactors, 24:36884
MASPERONI, Alberto Ternary uranium alloys containing molybdenum with niobium or zirconium for use with nuclear reactors, 22:23743
MASRI, Edouard Gamma radiolysis of K ferro- and ferricyanide solutions. II and III, 21:3102
MASS, J. Latest results on arc electrodes and nozzle blast insulation, 24:47063
MASS, Jonathan Ionospheric research using satellites, 24:5042 (AD-691911)
Magnetic field-aligned ionization layers observed by Faraday rotation of satellite signals, 21:41899
Prog. rpt. on ionospheric research using satellites, annual, 2/68, 23:18500 (AD-670585)
MASS, W. J. Magnetic properties of the system Au$_4$R(R = Er, Tm, and Yb), 25:27872
MASSA, Audrey A. Effect of vibrational anharmonicity on the isotopic self-exchange equilibria $H_2X + D_2X = 2HDX$, 24:50390
MASSA, D. Employment of gamma radiations for sterilizing the carcasses of foot-and-mouth disease virus-infected animals, 21:34852
Italian experience in radiopasteurization of fishery products, 24:2864
MASSA, E. Simple relation between restricted Lorentz group L/sub +/ and unimodular group of order two, 23:39825
MASSA, Enrico Einstein's equations in mixed initial and boundary value problems, 23:30815
New approach to the problem of motion in general relativity, 25:45813
MASSA, F. Electron—positron elastic scattering at high energies, 24:47355 (LNF-70/36)
Multiple particle production from e$^+$e$^-$ interactions at cm energies between 1.6 and 2 GeV, 24:40229 (LNF-70/37)
MASSA, I. Effects of compound-nucleus lifetime on blocking dips, 24:30952
The neutron—neutron scattering length from reactions with tritium targets, 22:15942
Use of a checker board counter in blocking experiments, 25:18679
MASSA, I. G. Computer-simulated flux measurements for ions channeled in diamond structure lattices, 25:19804
MASSA, Louis J. Direct determination of pure-state density matrices. V, 23:18394
Direct determination of pure-state density matrices. II, 23:18400
MASSAL'SKI, Ezhi Bore-hole neutron generator, 22:28189
MASSALSKI, J. Construction and technology of fast neutron generator tubes, 23:30914
Construction of a pulsed neutron generator, 21:46650
Construction of fast neutron generator tubes, 23:3916
Measurements of energy and flux of cosmic ray hadrons using an ionization spectrometer, 25:56413 (INP-756)
Miniature neutron tube, 23:29247
Monte Carlo simulation of nuclear-electromagnetic cascade developing in an ionization spectrometer, 25:36431 (ITJ-6)
Nuclear interactions of very-high energy with large energy transfer into neutral pions, 22:22307
MASSALSKI, Jerzy Design of a pulsed neutron source and bore-hole fast neutron generator, 22:43134
Distributions and mean values of inelasticity coefficient K/sub π^0/ for lead and graphite, 25:36389 (ITJ-5)
Estimation of energy and mean inelasticity of nuclear interactions at energies above 3.10^{12} eV, 25:36388 (ITJ-3)
Inelasticity coefficients for pion—Fe and nucleon—Fe collisions, 25:56414 (INP-757)
Physical basis for pulsed neutron well-logging, 25:23710
Tube for fast neutron production, 22:24757
MASSALSKI, M. J. Borehole neutron tube generator, 23:39920
MASSALSKI, T. B. Heat content and heat capacity of a Pu/1 wt percent Ga delta-stabilized alloy, 24:42112
Transformations during quenching of epsilon-phase Pu—Zr alloys, 25:55528
MASSALSKI, Tadeusz B. Phase transformations in the actinides, 24:42138 (UCRL-72557)
MASSALSKI, W. Effect of small doses of radioiodine on the motility of spermatozoa in vivo animal experiments, 25:24353
Effect of small doses of radioiodine on the motility of spermatozoa in vivo, 25:52188
MASSAM, T. Charge-exchange scattering of negative pions by protons at 96.6 MeV, 22:9511
Decay mode $\omega \rightarrow e^+e^-$ and a direct determination of the ω-phi mixing angle, 22:48234
Evidence for new decay mode of X^0-meson: $X^0 \rightarrow 2\gamma$, 23:5539
Experimental evidence against the existence of the S^0 meson, 21:27313
Hunting charges +- 4/3 e in the cosmic radiation, 21:27284
Large electromagnetic shower detector with high rejection for pions, 23:47756
Measurement of branching ratio $\omega \rightarrow$ neutrals/$\omega \rightarrow$ total, 22:39297
Neutron detector for missing-mass spectrometry, 23:47821
New large-acceptance and high-efficiency neutron detector for missing-mass studies, 23:29199
Nucleon electromagnetic form factors, 23:21079
Observation of rare decay mode of phi-meson: phi $\rightarrow$ e$^+$e$^-$, 22:46457
Phi-meson production cross section in π^-p interactions at 2.13 GeV/c, 23:23382
Physics of beam collisions (e$^+$e$^-$) and description of some experimental results with respect to a fast triggering system for detection of two-body annihilation processes, 22:11818
Position determination of particle trajectories, 24:29574
Quark hunters' progress, 22:41720 (CERN-68-24)
Scattering of positive pions by protons at 97.1 MeV, 22:9510
Study of the fractional charge content of the cosmic radiation, 21:46457
Time-like form factor of the nucleon and its consequences on the experiments with colliding electron—positron beams, 21:29448
Underground search for leptonic quarks in the cosmic radiation, 23:1587
MASSARA, F. Radioimmunoassay of human growth hormone, 24:44398
MASSARDIER, Jean Atomic hydrogen trapping in irradiated zeolites NH$_4$Y and HY, 25:31985
MASSARO, G. G. G. Baryon exchange in $K^-p \rightarrow \Lambda\omega$ and $K^-n \rightarrow \Sigma\omega$ at 3 GeV/c, 25:1423
MASSARO, P. A. Approximation methods in the scattering of fast electrons and positrons by hydrogen atoms, 25:22373
MASSAROTTI, A. Adone deflector: studies and design, 21:35366
MASSART, A. Prog. rpt. on treatment of radiation injuries, 10/64—4/65, 21:4814 (EUR-2477.f(Vol.2))
Prog. rpt. on treatment of radiation injuries, 4—10/65, 21:4815 (EUR-2477.f(Vol.3))
MASSART, D. L. Activation analysis of rare earths. I, 22:33246
Activation analysis of rare earths. IV, 22:33241
Activation analysis of rare earths. III, 22:33248
Activation analysis of rare earths. II, 22:33247
Assistance of activation analysis of isotopic fractionation of rare earth oxides, 22:45008
Determination of lanthanum in titania by activation analysis, 22:25280
Elimination of K activity in activation analysis, 24:31260
Mean reactor cross section for (n,p) reaction on ^{144}Ce, 23:11039
Mechanism of adsorption on columns of salts, 23:19835
Oxalates as stationary phases for adsorption chromatography of inorganic ions, 24:25108
Prediction of elution maxima in the gradient elution of rare earths, 22:12417
Thin-layer chromatography of the rare earths, 21:32240
MASSAUX, H. Dispersion-strengthened ferritic steels for fast reactor fuel cans, 25:47119
Fabrication and properties of dispersion-strengthened ferritic steels, 24:27747
Fabrication of dense UO$_2$ by hot pressing and coextrusion, 21:30289
Study of the fabrication of fuel elements for the BR2 reactor for coextrusion and drawing, 21:24735
MASSE, F. X. Experience with low-cost chair-type detector system for determination of radioactive body burdens of MIT radiation workers, 24:36595
MASSE, Jean MHD for electric energy, 24:21631
MASSE, P. Balloon measurements of solar protons in northern Scandinavia on July 7, 1966, 23:22810
Determining solar proton spectra, 23:34233
Simultaneous satellite and rocket observations of 2/25/69 solar proton event, 23:51266 (CEA-CONF-1405)
Solar longitude dependence of proton-event delay time, 25:58612
Spectra and time history of protons in interplanetary space, Feb. 25—28, 1969, 25:27558
MASSE, R. Disability in radiodermatitis, 24:44528
Ionizing radiation on enterochromaffin cells of rat, guinea pig, and swine GI tract, 22:49539
MASSE, Roland Effect of high-energy electrons on skin and underlying tissues of rabbit, 22:38419 (CEA-R-3294)
Experimental cytopathology: experimental study of the origin of alveolar macrophages of the rat, 25:41649 (LF-tr-52)
Lung cancers in rats after inhalation of radon with nonradioactive dusts, 24:51039
Pulmonary cancers in rat following inhalation of radon, 25:21837 (LF-tr-47)
MASSEL, G. A. Calculations of transport coefficients in ionized gases, 24:15333
Diffusion of fast electrons in stochastic magnetic fields, 23:12745
Neutron diffusion using a modulated source, 22:3594
MASSEL, Gary A. Computer experiments on the microscopic theory of plasmas, 21:44055 (NASA-SP-153, pp 3-23)
MASSEL, Gary Alan Kinetic theory of forced oscillations in plasmas, 22:24347
MASSELOT, C. Stochastic kinetic theory of strong wave-plasma interaction, 25:52874
MASSELOT, Y. Mixed U—Pu oxide fuel fabrication for Rapsodie, 23:10254
MASSELOT, Yves Manufacturing sintered pellets of nuclear fuel, 23:24982
RAPSODIE first core fabrication, 25:23329 (CEA-R-3501(2))
Rapsodie first core manufacture. I, 22:44886 (CEA-R-3501(Pt.1))
Sintering furnace, 25:2391
MASSENGILL, L. A. IMP facility at ORNL, 24:24034 (LA-4250, pp B5.1-5)
Injection and accumulation: neutral injection experiments (DCX-1.5), 21:13527 (ORNL-4063, pp 1-9)
Injection and accumulation: neutral injection experiments (DCX-1.5), 22:31867 (ORNL-4238, pp 28-38)
Injection and accumulation: neutral injection experiments (DCX-1.5), 23:34455 (ORNL-4401, pp 45-51)
MASSENGILL, R. Kemp Release of ^{86}Rb and hemoglobin from erythrocytes, 23:50383
MASSENTI, S. Clinical observations on short term effects of a synthetic antiblastic substance derived from methylhydrazine, 22:6862
Plan for a conversational system with a computer for the automation of external irradiation and the optimization of treatment planes, 24:48655
MASSER, Charles C. Crew radiation dose from a gas-core nuclear rocket plume, 24:33471
MASSERA, A. Technical basis of reactor licensing, 24:11160
MASSERINI, G. L. Geometrical model for trilinear scattering processes, 23:13011
MASSET, M. Availability of stable Mn and ^{54}Mn to rice plant in flooded soil, 23:26676
Cesium-137 and ^{90}Sr uptake by irrigated and mountain rice, 21:1722
Relative importance of soil and water in the indirect contamination of flooded rice with radiocaesium, 23:35613
MASSETH, F. X. 1000-MWe LMFBR accident analysis and safety system design study. Candidate primary containment safety features. Topical report, 25:28733 (BAW-1352)
MASSETTI, C. Influence of the economic scale on nuclear fuel cycles, 24:16193
MASSEY, C. G. Radial density distribution in a wide unstable plasma column, 22:44103
MASSEY, George Robert Radioactive source capsule-handling system, 25:29319
MASSEY, H. S. W. Electronic and ionic impact phenomena. II, 23:39327
MASSEY, Harrie Dispersion relations in high-energy physics, 22:34977 (AD-666680)
New age in physics, 21:35033
MASSEY, J. B. Biological effectiveness of high-energy protons, 23:35853
Defence of use of concept C/sub lambda/ for determination of high energy photon dose, 25:39870
Fundamental physics of radiology, 23:38635
Impact of computers in radiotherapy, 24:31997

- RBE of 14 MeV neutrons, 23:43885
- Standard for dosage statement in radiotherapy, 21:22450
- Use of Farmer—Baldwin and victrometer ionization chambers for dosimetry of high energy x-radiation, 21:22181
- Use of the Farmer—Baldwin and Victrometer ionization chambers for dosimetry of high energy radiation, 22:25681
- MASSEY, John B. Dosimetry in radiotherapy, 24:48542 (STI/DOC-10/110)
- MASSEY, L. M. Jr. Degradation of insecticides by ^{60}Co gamma radiation, 24:34101
  - Effect of irradiated sucrose on carbohydrate metabolism of carrot cells, 22:10712
  - Effects of ionizing radiation on the European chafer and large milkweed bug, 22:28691
  - Free amino acids in gamma-irradiated carrots, 21:24333
  - Gamma irradiation of the European chafer. 2. Determination of sterlization dose levels for adults, with notes on rearing techniques, 25:49276
  - Gamma irradiation of the European chafer. 3. Longevity, flight behavior, and mating competitiveness of sterilized males, with observations on reproductive biology, 25:49275
  - Influence of γ radiation on carbohydrate and citric acid cycle in carrot tissue, 22:433
  - Irradiation of composts used in propagation of A. bisporus, 21:28704
  - Loss of electrolytes and amino acids from gamma-irradiated carrots, 24:46581
  - Multiple unit radiometric respirometer for the measurement of the metabolism of ^{14}C labeled substrates, 21:39331
  - Some radiation-induced changes in fresh fruits and vegetables, 22:8671
  - Tissue texture and intermediary metabolism of irradiated fresh fruits and vegetables, 24:48786
- MASSEY, Louis M. Jr. Effect of γ radiation on polysaccharides and calcium distribution in carrot cell walls, 24:46577
  - Prog. rpt. on biochemistry and physiology of irradiated fruits and vegetables, annual, 9/66—9/67, 21:34840 (NYO-3274-13)
  - Radiation-induced changes in fresh fruits and vegetables, 21:9036 (NYO-3274-4)
- MASSEY, Pierre In vitro fixation of plutonium to human transferrin and competition reaction with ferric ions, 23:9830 (CEA-R-3623)
- MASSEY, R. Bent crystal spectrometer for use with a germanium detector, 22:28153
  - Systematics of fission product x-ray intensities, 21:21555
- MASSEY, Walter E. Dilute solutions of ^{3}He in ^{4}He at low temperatures, 21:37359
  - Ground state of liquid helium: boson solutions for mass 3 and 4, 21:2045
  - Phonon dispersion and the propagation of sound in liquid ^{4}He below 0.6°K, 24:42620
  - Theory of binary boson solutions, 24:1343 (COO-1569-51)
  - Theory of binary boson solutions, 24:23910
  - Theory of dilute solutions of ^{3}He in liquid ^{4}He, 23:14716
  - Variational calculations on liquid ^{4}He and ^{3}He, 22:5280
- MASSEY, Walter Eugene Ground state of liquid helium—boson solutions for mass 3 and 4, 21:7167
- MASSEY, William H. Estimation of pulmonary shunt blood flow by constant infusion of radioactive xenon, 25:21773
- MASSIDDA, V. Coulomb scattering in the lambda-plane, 25:18009
- MASSIMINO, Daniel Possibilities of gas-phase radio-chromatography application to permanent-gas analysis, 24:38744 (CEA-R-3879)
  - Separation and recovery of permanent gases by preparative chromatography, 25:29177 (CEA-R-4090)
- MASSIMO, L. BACCHUS: burn-up code for continuous charge-discharge fuel cycles, 21:2892 (EUR-3076.e)
  - Calculation of neutron spectra, 24:38487 (DP-Report-60)
  - Calculations of the graphite-moderated high-temperature reactor AVR, 22:20844
  - Codes for spectrum and reactivity calculations, 24:40908 (DP-Report-156)
  - COSTANZA BBK: one dimensional dynamic code for high temperature gas cooled reactors, 24:24811 (EUR-4410)
  - DYN: dynamics program for pebble-bed reactors, 23:40334 (EUR-4278)
  - Effective multiplication constant in pebble bed reactors, 24:16171
  - Fast and slow transients in high temperature reactors, 24:16172
  - First loading of Dragon reactor experiment, 24:40916 (DP-Report-177)
  - Fission product chains and their importance on high burnup fuel cycles, 21:7865 (EUR-3119.e)
  - Flux distribution produced by source in undercritical reactor, 24:38488 (DP-Report-61)
  - Fuel management methods for pebble bed reactors, 23:9167
  - KUGEL for calculating the isotope mixture in a pebble bed reactor, 22:37565
  - Lifetime optimization of core for long-term irradiation experiments, 24:40915 (DP-Report-176)
  - MAFIA: one-dimensional burnup code, 24:41027 (DP-Report-203)
  - Malformations accompanied by acquired chromosome changes caused by irradiation, 23:31975
  - Model for calculation of fast power excursions in reactors, 23:11258
  - Six group criticality program, 24:40907 (DP-Report-74)
  - Special problems in the dynamics of gas cooled and graphite moderated high temperature reactors, 22:20845
  - Statistical temperature distribution calculation in pebble bed reactors, 23:4185
  - Statistical temperature distribution calculation in pebble-bed reactors, 24:11323
- MASSIN, J. P. Thyroid scintigraphy using /sup 99m/Tc and ^{131}I, 25:35169
- MASSINGILL, G. S. Spectrographic studies of luminescence in charged-particle-irradiated optical materials, 23:42394 (N-69-22194)
- MASSIS, T. M. Compatibility of explosives with structural materials of interest, 24:48020 (SC-M-70-355)
- MASSLOVA, G. B. Isolation of promethium by displacement chromatography due to complex formation, 25:54723
- MASSMANN, P. Production of a very quiescent plasma in skipping magnetic fields, 25:59055
- MASSO, J. F. Comparison of semiclassical and quantum schematic nucleon-transfer models, 21:31839 (YALE-1807-45)
- MASSO, Jon D. Photomultiplier cooling for photon counting experiments, 24:14372
- MASSOF, Robert W. Laser radiation effects on morphology and function of ocular tissue, 24:23308 (AD-696447)
- MASSOLO, G. Kinetic medium isotope effect in nucleophilic substitution, 24:25029
- MASSON, A. J. Collision mechanism of a dissociative charge-transfer reaction at low energy, 23:30342
  - Kinematic investigations of ion—neutral collision mechanisms at approximately 1eV, 22:36737
- MASSON, B. Motion of rotating superfluid helium in an annular channel, 22:9258
- MASSON, Bruce Stewart Rotation of He II in an annular channel, 21:33351
- MASSON, C. R. Stable isotope-dilution techniques for the determination of gases in metals, 22:667
- MASSON, D. Analyticity in the potential strength, 22:18036
  - Broken symmetry sum rules and algebra of currents. II, 22:3500
  - Broken-symmetry model of meson interactions, 22:50438
  - Broken-symmetry sum rules and the algebra of currents, 21:29554
  - Pade approximant and partial-wave integral equation, 21:27445
  - Pade—approximant calculation of π—π scattering, 22:11662
  - Self-adjointness of $(g(x)phi^4)_2$ Hamiltonian, 25:47954
- MASSON, L. S. Cavity reactor gas-core critical experiment, 22:6086
  - Cavity reactor gas-core critical experiment, 22:44874 (NASA-CR-72329)
- MASSON, M. Continuous measurement of deformation during in-pile irradiation, 23:17816 (CEA-CONF-1117)
  - Continuous measurements of deformation during in-reactor irradiation, 23:41090 (BNWL-tr-37)
- MASSON, Maurice Process for the measurement of a displacement and device for its use, 25:55068 (AEC-tr-7240)
- MASSON, N. Use of radioactive tracers in the nonferrous industry, 23:38195
- MASSON, P. L. Association of lactoferrin with specific granules in rabbit heterophil leukocytes, 24:41726
- MASSONET, L. Nuclear structure effects in $(\pi^+,2p)$ reactions, 21:46667
- MASSONNE, J. Hydrofluorination of U/Th oxides and carbides with coating of pyrocarbon/ silicon carbide/pyrocarbon, 25:23695
  - Separation of MoF_6 and UF_6 by sorption on NaF, 25:23696
  - Separation of UF_6 from a fluorine containing carrier gas, 25:245
  - Volatilization of UF_6 by fluorination of fluoride melts, 24:27197
  - Volatilization of UF_6 in fixed bed, 24:27196
- MASSONNET, L. Coordinates and energy of charged particles from the currents flowing in spark chambers, 21:16105 (CONF-660918-, pp 3-28)
  - Energy dependence of quasi-free $(\pi^+,2p)$ reactions and evidence for reaction $\pi^+ + (2N) \rightarrow \pi + p + p$ in nuclei, 23:23369
  - Missing-mass spectrometer with detection of two outgoing particles, 23:16143
  - Reaction $(\pi^+,2p)$ in ^{6}Li, 22:20478
  - Reactions $(\pi^+, 2p)$ on nuclei, 23:13196
- MASSOT, C. Isotopic chromatography, 22:40190 (ORNL-tr-1950)
- MASSOT, J. N. Analysis of the reaction $^{16}O(n,\alpha)^{13}C$ at 14 MeV by the distorted-wave method, 21:34064
  - Study of the influence of the aperture of counters on the measurement of differential cross sections, 22:45297
- MASSOT, J.-N. General graphical method for angular momentum, 21:21263
  - Graphical method for Clebsch—Gordan coefficients isoscalar factors and rotation matrices for SU_3, 21:29583
- MASSOT, Jean Noel Graphical treatment of geometry of nuclear physics problem: application to nonlocal potentials, 21:34028 (LYCEN-6663)
- MASSOT, Jean-Noeel Graphical treatment of Wick's theorem, 24:15500 (LYCEN-7001)
- MASSOT, R. Compilation of mass spectral data, 21:40808
- MASSOUD, G. E. Effect of splenic x-irradiation on ferrokinetics of chronic leukemia, 21:24490
- MASSOUMI, A. Solvent extraction using dialysis through artificial phase boundaries, 25:6405
- MASSUCCI, M. A. Comparison of ion-exchange properties of amorphous and crystalline insoluble acid salts of tetravalent metals and polybasic acids, 25:48591
  - Crystalline insoluble acid salts of tetravalent metals. IX, 24:29301
  - Crystalline insoluble salts of polybasic metals. IV, 22:153
- MASSUE, J. P. Absorption of π-mesons in light nuclei carbon, nitrogen, and oxygen, 24:45742
  - High magnetic field projects for experiments performed with nuclear emulsions, 22:21353
  - π and K mesons used for investigating light nuclei structures, 25:56653 (LYCEN-7104, S4.1-10)
  - Research on intense magnetic fields of superconductors for experiments in particle physics, 23:49261
- MASSUE, J.-P. Double charge-exchange reaction of pions on ^{12}C, 25:41200
  - Experimental study of many-body reactions with ^{6}Li production in slow negative pion capture by ^{12}C, ^{14}N, ^{16}O nuclei, 23:37109 (JINR-E1-4492)
  - Many-body reactions with ^{6}Li production, 24:52443
- MAST, H. Protective immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei, 21:45849
- MAST, J. W. Motions of high-latitude hydrogen clouds, 24:12545
- MAST, Terry S. 51 000 tau$^-$ decays, 23:46601
  - Asymmetry parameter and branching ratio of $\Sigma^+ \rightarrow p\gamma$, 24:18088
  - Decay parameters for $\Sigma^{+-} \rightarrow n\pi^{+-}$, 22:3347 (UCRL-17781)
  - Decay parameters for $\Sigma^{+-} \rightarrow n\pi^{+-}$, 24:12931
  - Direct evidence for multiplet assignments of Λ(1520) and Λ (1405), 23:5544
  - Electromagnetic decay of $Y_0^*(1520)$, 23:5520
  - Measurement of Σ^+ magnetic moment, 22:32092
  - Measurement of the Σ^+ magnetic moment, 21:46467 (UCRL-17746)
- MASTALKA, A. Decay of ^{137}Cs, 21:35441
  - Decay of ^{132}La, 21:12060
  - Gamma radiation (^{132}Cs), 21:46745
  - Gamma radiation of ^{136}Cs, 22:3705
  - Investigation of $^{128}Ba \rightarrow {}^{128}Cs \rightarrow {}^{128}Xe$ decay, 22:14051
  - Radiochemical isolation. IV, 21:36088
  - Radiochemical isolations. V, 22:42829
- MASTALKA, Antonin Determination of radioactive iodine in plants, 23:6398
- MASTEL, B. Absence of voids in neutron irradiated sputtered nickel, 25:6886
  - Annealing of defects in irradiated Mo, 24:14823
  - Basic swelling studies, 21:13205 (BNWL-SA-154)
  - Characterization and annealing behavior of voids in neutron-irradiated nickel, 25:11469
  - Clustering of irradiation produced defects near boundaries in molybdenum, 21:43640 (BNWL-SA-1365)
  - Defect clusters in neutron-irradiated rhenium, 22:34790
  - Development of voids in nickel during irradiation, 22:52214 (BNWL-SA-1768(Rev.))
  - Elevated temperature irradiation hardening in austenitic stainless steel, 22:36519
  - Enhanced neutron radiation damage at twin boundaries, 21:33018
  - Fission gas induced swelling in uranium, 23:22616
  - Formation of voids in Fe during neutron irradiation, 24:6217
  - Hydrostatic pressure induced annealing of defect clusters in irradiated molybdenum, 22:52212 (BNWL-846)
  - In-reactor uni-axial creep of Zr-2 and Zr—2.5 Nb, 23:36155
  - Irradiation-induced voids in rhenium and molybdenum, 24:32483
  - Metallographic observations of swelling in U_3Si, 24:14961 (BNWL-1195)
  - Microstructural analysis of neutron-irradiated titanium and rhenium, 25:58302
  - Microstructure of high-temperature neutron-irradiated tantalum and molybdenum, 24:51186
  - Neutron irradiation effects in FCC, BCC, and CPH metals, 21:18295 (BNWL-361)
  - Neutron-irradiated molybdenum: relationship of microstructure to irradiation temperature, 24:42784
  - Observations on the nucleation and growth of voids in nickel, 25:4811 (BNWL-SA-3300)
  - Physical characterization of molybdenum single crystals for irradiation experiments, 21:26862 (BNWL-SA-777)
  - Physical characterization of molybdenum single crystals for irradiation experiments, 22:4818
  - Pressure induced annealing of defect clusters in irradiated Mo, 24:15396
  - Pressure induced recovery of irradiation damage in molybdenum, 22:45791 (BNWL-SA-1835)
  - Some observations of dislocation channelling in irradiated iron, 23:51085
  - Some observations on the annealing of neutron-irradiated single-crystal and polycrystalline molybdenum, 22:49770 (BNWL-SA-1812)
  - Stability of voids in neutron irradiated nickel, 24:4821
  - Superconductivity critical current densities in Ti—V alloys, 22:29445
  - Temperature dependence of void formation in neutron irradiated nickel, 24:14821
  - Thermal stability of radiation produced defects in molybdenum, 22:28847
  - Voids in neutron irradiated face centered cubic metals, 23:12384
  - Voids produced in high purity nickel by neutron irradiation, 23:1018
- MASTENBROEK, A. Voids in V, Nb, and Mo by fast neutron irradiation at high temperatures, 25:29914
- MASTEROVA, M. N. Kinetics of annealing process of adsorption and paramagnetic centers generated by irradiation on surface of $\gamma\text{-}Al_2O_3$, 25:45574
  - Kinetics of the regularity of the regulation-induced chemisorption of O_2 on the surface of $\gamma\text{-}Al_2O_3$, 21:40834
  - Radiation-induced chemisorption of O on $\gamma\text{-}Al_2O_3$, 21:115
  - Relative role of adsorption centers with varying times of life in radiation chemosorption and γ-adsorption effect, 24:11599
- MASTERS, B. C. Role of bubbles in fission gas release from uranium dioxide, 23:14319 (RD/B/N-1229)
  - Role of bubbles in fission gas release from uranium dioxide, 23:34125
- MASTERS, B. J. Radioactive tracer measurements of impurity atom migration in solids under equilibrium conditions, 21:36916

- Radiochemical determination of damage profiles in silicon, 25:19817
- MASTERS, C. F. Delayed neutron kinetic response methods of assay, 23:24102 (LA-DC-9759)
  - Delayed-neutron abundances and half-lives from 14.7-MeV fission, 25:5775
  - Delayed-neutron kinetic response methods of nondestructive assay, 23:2229
  - Measurement of absolute delayed neutron yields from 14 MeV fission, 22:24859 (LA-DC-9403)
  - Measurement of absolute delayed-neutron yields from 14-MeV fission, 22:32591
  - Multi-spectra irradiation technique for the nondestructive assay of fissionable materials, 23:35008
- MASTERS, Christopher F. A procedure for evaluating modified pulsed-neutron-source experiments in subcritical nuclear reactors, 21:40687
  - Absolute delayed-neutron yields from 3.1 and 14.9-MeV fission, 23:31026
  - Calculation of delayed neutron multiplication in thin subcritical systems, 23:30911 (LA-DC-9762)
  - Calculation of delayed-neutron multiplication in thin subcritical systems, 23:4361
  - Delayed-neutron multiplication in far-subcritical systems, 24:2434
  - Investigation into the Harms dead time correction procedure for pulse height analyzers using Monte Carlo modeling techniques, 24:39312
  - Procedure for calculating the parameters measured by modified-pulse-source experiments, 21:8057
- MASTERS, Christopher Fortune Procedure for evaluating modified pulsed source experiments in subcritical nuclear reactors, 22:7628
- MASTERS, E. F. Selection of nuclear power and desalination plants, 23:49634
- MASTERS, E. F. O. Factors influencing the integration of nuclear power and water desalination plant, 25:54237 (A/CONF.49/P-484)
- MASTERS, Frank W. Management of radionecrosis, 25:55270
  - Primary malignant tumors of the hand, 23:45932
- MASTERS, George W. Identification and modeling of states and parameters of nuclear reactor systems, 21:34172
- MASTERS, J. I. Evaporated silver bromide as an ion and particle detector, 23:41022
- MASTERS, Joseph I. Fabrication of ultrathin films, 22:29799
- MASTERS, L. W. Determination of carbon in high purity metals by photon activation analysis, 24:38796
  - Determination of carbon in metals by photon activation analysis, 24:5637
- MASTERS, S. M. Applications software for a fast reactor malfunction detector analyzer, 25:56878 (CONF-710302-(Vol.1), pp 199-214)
  - BURNUP: a code to calculate burnup of EBR-II fuel. EBR-II Project, 24:31093 (ANL-EBR-9)
  - Operational aspects and performance of Fermi on-line computer, 25:50901
  - Surveillance and evaluation of the EBR-II flow-monitoring system. EBR-II Project, 24:50094 (ANL-EBR-18)
- MASTERSON, Byron J. Irradiation ulcer of the urinary bladder, 22:12902
- MASTERSON, H. G. Techniques for the measurement of electrode processes at temperatures above 100°C, 25:29779
- MASTERSON, Paul Bruce Hydrogenation of ethylene on iridium thin films, 25:39377 (IS-T-450)
- MASTERSON, T. G. Response of NE 218 to fast neutrons, 25:6542
- MASTERSON, Thomas G. Calibration of tandem analyzing magnet, 21:33803 (LA-3699)
- MASTHOFF, Rolf Phenoxides of the triad elements, 25:41780 (SC-T-713038)
- MASTINU, G. G. Italian atmospheric radioactivity surveillance network, 25:41937
- MASTRAGOSTINO, M. Disproportionation and ECE mechanisms. II, 22:40091
- MASTROCOLA, A. Emergency dosimetry system for neutrons based on body-sodium activation, 21:43288
- MASTROENI, G. Biological action of protamine sulfate on animal organisms treated with ^{32}P. I, 23:50625
  - Electroencephalographic effects induced by endocarotid administration of ^{131}I—MAA, 23:2896
  - Scintigraphy of internal mammary system, 22:40734
- MASTROGIACOMO, I. Attempt to visualize a pheochromocytoma by means of /sup 99m/Tc, 24:23256
  - Hypertension and horseshoe kidney in one family, 24:23255
- MASTRUP, F. N. Spectroscopic investigation of a hydrogen arcjet plume, 21:9397
- MASTRYUKOVA, V. M. Biological action of fission neutrons on the cells of the intestinal epithelium, 22:25817
  - Comparative study of cytogenetic effect of protons with energy of 630 MeV and of gamma radiation of ^{60}Co, 21:16439 (JPRS-38272, pp 356-7)
  - Dynamics of disappearance of some types of chromosome aberrations from epithelial cells of the cornea of irradiated mice, 22:33929
  - Mitotic activity and degeneration of epithelial duodenal cells of mice irradiated with 240 MeV protons at various doses, 22:14989
  - Physiological regeneration of corneal and duodenal epithelium fractionally irradiated with fission neutrons, 22:17007
  - Physiological regeneration of the epithelium of the cornea and intestines exposed to fractional irradiation with fission neutrons, 22:21594
  - Physiological regeneration of the epithelium of the cornea and intestine under conditions of fractional irradiation by fission neutrons, 22:25802 (JPRS-42635, pp 65-71)
  - Proton effects on intestinal epithelium of mice, 24:880
- MASU, Shigeru Use of beta-propiolactone and uv irradiation for treatment of viral contamination of canine serum, 23:50956
- MASUBUCHI, Kazumasa Comparison of surgical and radiation therapy, 23:50898
- MASUBUCHI, Masami Dynamics for process and system control, 24:47965
- MASUD, M. M. Collective interaction in high-current discharge plasma, 24:17968
- MASUD, M. M. M. Collective interactions in low-density plasma with high-current gas discharge, 24:15297 (KHFTI-69-31)
  - Collective interactions in low-density plasma with high-current gas discharge, 24:45239 (AEC-tr-7165)
- MASUDA, A. Clues to early history of solar system, 24:28001
- MASUDA, Akimasa Abundance ratios between the average basic rock and chondrites as a function of reciprocal ionic radii, 21:28090
  - Analysis of the distributional relationship between Th and U, 21:25974
  - Lanthanides in achondrite Japan, 23:45402
  - Lanthanides in basalts of Japan with three distinct types, 21:45042
  - Nature of experimental Mohole basalt, 22:42617
- MASUDA, Hiromasa A study on electron curing of paint film, 24:31396
  - Development of electron curing paints, 23:40781
- MASUDA, Hiroyuki Cobalt-60 irradiation facility, 24:31571
- MASUDA, Hohzoh Diffusion of defects in low temperature ion implanted GaAs, 25:45576
- MASUDA, Isoo Chemical analysis of some trace impurities in uranium dioxide, 22:12256
- MASUDA, K. Survival of synchronized L cells irradiated with 14 MeV neutrons, 25:55309
- MASUDA, Kazuyo Kinetics of isotopic exchange between acetylacetone-^{14}C and tris-acetylacetonatoaluminum in tetrahydrofuran, 22:40098
  - Kinetics of isotopic exchange between 8-quinolinol-^{14}C and tris-8-quinolinolato complexes of tervalent typical elements, 22:42677
- MASUDA, Kimiko Formation of amino acids from aqueous mixtures of α-keto acids and ammonia by γ-irradiation, 24:22685
  - Formation of glutamic acid by γ radiation, 23:45343
- MASUDA, Kohzoh Concentration profiles of room-temperature ion-implanted indium in silicon, 25:36282
  - Enhanced diffusion in ion-implanted silicon, 25:19823
  - Enhanced diffusion of high-temperature ion-implanted antimony into silicon, 25:9569
  - Optical absorption bands of the radical in irradiated anthracene single crystals, 25:48522
  - Paramagnetic defects iduced in naphthalene and anthracene single crystals by neutron irradiation at low temperature, 25:36277
  - Penetration of electrons into anthracene crystals, 25:11673
  - Radiation damage studies using the low temperature irradiation facility. VI, 25:36287
- MASUDA, Koji Media and surviving fraction of x-irradiated HeLa S3 cells, 25:4606
- MASUDA, Kouji Colony forming ability of x-irradiated HeLa S3 cells, 23:24710
  - Determination of absorbed dose of HeLa S3 cells cultured on plastic and glass dishes following exposure to x-ray, 23:18038
  - Effect of medium replacement on surviving fraction and clonal growth of x-irradiated HeLa S3 cells, 23:29719
  - Effect of plated cell numbers on surviving fraction of x-irradiated HeLa S3 cells, 23:911
  - Effects of 14 MeV neutrons on HeLa S3 cells, 23:41257
  - Effects of neutrons and x rays on L cells, 25:32568
  - Effects of temperature on dose-response curve of HeLa S3 cells irradiated with x rays, 25:8747
  - Yearly changes of radiation exposure doses received by workers in radiological occupations at Kyushu Univ. Hospital, 22:36263
- MASUDA, Kuniyoshi Environmental contamination by U. I, 23:41311
- MASUDA, M. Cascade synchrotrons for energies up to 100 GeV, 21:29709
  - Leakage current and noises in surface barrier particle detectors, 21:16184
  - Oriented low carbon steel gradient magnets for strong focusing proton synchrotron, 24:38032
  - Semiautomatic scanning system for nuclear emulsions, 25:10839
- MASUDA, Masami Betatron, 22:7605
  - Betatron, 22:7604
  - Betatron, 22:7608
  - Betatron, 22:7607
  - Electron-injecting device for a betatron, 21:2570
  - Irradiation device for a betatron, 22:7606
  - Lamination transformer type accelerator, 23:10892
  - Method for producing a magnetic pole of the betatron, 24:13229
- MASUDA, Masayoshi Accelerators for the study of photonuclear reactions, 25:38813 (JAERI-1205, pp 113-15)
  - Effects of oxidation on surface-barrier detectors, 21:17828
  - Energy and angular distributions of ^{16}O(γ,p)^{15}N reaction, 23:19162
  - Investigation of magnet steels for proton synchrotron, 24:1691 (SJC-A-68-6)
- MASUDA, N. Asymptotic behaviors of diffraction slopes of elastic anti pp and pp scattering, 23:51963
  - Proton—proton elastic large-angle scattering in the high-energy limit, 23:51964
  - rho Regge-trajectory intercept at $t = 0$ and Regge-cut effect in forward pion—nucleon scattering, 25:53196
  - Spin-parity $3/2^-$ baryons and singlet-octet mixing, 22:3435
- MASUDA, Naohiko Argand diagrams, cross-section behavior, and Regge poles, 24:37790
  - Partial wave projection of Regge pole exchanges, 24:42965
  - Pion—nucleon scattering at intermediate energies, 24:42966
  - Regge-pole model of elastic large-angle scattering at high energies, 24:18228
  - Theory of pion—pion scattering, 23:7138
  - Threshold behavior of partial-wave dispersion relation and short-range force, 23:7187
- MASUDA, Seizo Device for accelerating particles, 23:39901
  - Particle accelerators, 21:19135
- MASUDA, Shinichiro Arrangement of burn-out heat flux data, 23:17679
- MASUDA, T. Influence of organic halides on hydrogen yield from γ radiolysis of methanol, 22:33377 (KFK-tr-238)
- MASUDA, Takahiro Conformational degradation of cytochrome-C by gamma irradiation in aqueous solution, 22:40556
  - Effect of organic halides of the yield of hydrogen from γ radiolysis of methanol, 21:4569
  - Radiolysis of 2,2'-azo-bis-isobutyronitrile in benzene solution. I, 25:21033
- MASUDA, Takahisa Developmental investigation on driving mechanism for control rods of boiling-water type power reactor, 21:30210
  - New 160-cm cyclotron for the Institute of Physical and Chemical Research, 22:7589
  - Performance test of jet pumps for BWR, 23:13931
- MASUDA, Toshihisa Excitation temperature measurements of induction-coupled argon plasmas, 23:25305
  - Experiments on MHD generator ETL Mark II. I, 22:52560
- MASUDA, Yasuhisa Device for connecting a control rod to the drive, 21:23767
- MASUDA, Yasunao Device for driving a reactor control rod, 22:35694
  - Reactor control-rod drive, 22:14352
  - Reactor control-rod drive, 22:14332
- MASUDA, Yoshika Nuclear magnetic resonance and specific heat measurements of transition metals and alloys, 21:15233
  - Nuclear spin—lattice relaxation in type-II superconductors, 22:31780
  - Nuclear spin—lattice relaxation in superconducting mixed state, 22:34544
  - Nuclear spin—lattice relaxation in superconducting mixed state, 23:18552
  - Nuclear spin—lattice relaxation in scandium and lanthanum metals, 23:25467
  - Specific heat study of La/sub 3-x/Gd/sub x/Al system, 25:52738
  - Spin diffusion in Type-II superconductors, 23:14713
  - Superconductivity of Ta—Re alloys, 24:15206
- MASUDA, Yoshitaka Ion exchange of some metal-diethylenetriamine N,N,N',N",N"-pentaacetic acid, 25:37480
  - Polarography of Europium(III) complex, 23:33195
- MASUE, Katsuhiko Effect of ^{60}Co irradiation on reticulosarcoma with superior vena caval syndrome, 21:45712
- MASUI, Katsuhiro Growth of Pt crystals on W surface, 25:29850
- MASUJIMA, Michio Production cross section of $\gamma\gamma \rightarrow e^+e^-\mu^+\mu^-$, 25:3314
- MASUKAWA, Toshihide Compound particle model and chiral symmetry, 24:49361
- MASUMI, Ahmad E. IBAL manual. The Illiac III basic assembler language, 25:57225 (COO-2118-17)
- MASUMI, Motoshi Extension of measurable density ranges in microwave plasma diagnostics, 21:9552
  - Upper hybrid resonant heating in a slightly ionized plasma, 21:2213
- MASUMOTO, Hakaru Effect of addition of Mo on properties of Nimalloy, 24:15407
  - Effect of addition of Si, Sn, or V on Elinvar property of Ni, 24:12377
  - Effect of Cr, Mo, or W on Ni, 24:2938
  - Effect of iron and molybdenum additions on the properties of new high magnetic permeability alloys nimalloy in nickel and manganese system, 25:17309
  - Effect of Nb on alloys in the Ni and Mn system, 24:24177
  - Effect of Ta additions on the properties of new high magnetic permeability alloys, 25:49998
  - Effect of the addition of W on the properties of new magnet alloy Malcolloy, 21:32898
  - Effect of tungsten additions on properties of new high magnetic permeability alloys, 23:32033
  - Effect of V, Mo, W, Si, Sn, and Cr on elinvar property of Ni, 24:19427
  - Effect of W on properties of "malcolloy" in the system Co and Al, 22:28800
  - Effects of Ta additions on the properties of Nimalloy, 25:12008
  - Elastic anisotropies and its temperature change of single crystals of high elasticity alloy Dia-flex, 21:32896
  - Properties of a magnet alloy in the Co—Al system, 21:36815
  - Temperature variation of single crystals of Dia-flex in Co—Fe—Ni—Cr—W—Mo system, 23:14331
- MASUMOTO, Isao Recent development in diffusion welding, 25:49391
- MASUMOTO, Katashi Apparatus for floating zone melting of refractory metals, 23:12288
- MASUMOTO, Yasuo Compositeness criterion for the target particles, 21:37733
- MASUOKA, H. Vapor-liquid equilibria at high pressure, 25:15459 (SCL-T-71212)
- MASUROVSKY, Edmund B. Cytological studies of rat dorsal root ganglia following x irradiation. I, 21:22668
  - Cytological studies of rat dorsal root ganglia following x irradiation. II, 21:24558
  - Radiation protection in mammalian spinal ganglion cultures treated with AET derivatives, 24:6103

- MASUYAMA, Katumi Power manipulator device, 23:11748
- MASUYAMA, Toshio Radiation damage of low permeability graphite and hard carbon, 22:34126 (NSJ-tr-102)
- MASUZAWA, Mitsunobu Radiation effects on triglyceride, 21:25877
- MASYAGIN, V. E. Characteristic electron energy loss spectra for osmium, 24:44987
  - Characteristic electron energy losses in Y, Zr, Nb, and Mo, 24:35155
  - Electrostatic spectrometer of charged particle beams with ring focussing in the field of a cylindrical condenser, 25:18849
- MASYAKIN, N. E. Boundary layer on a flat plate in presence of strong longitudinal magnetic field, 22:19845
- MASZKIEWICZ, Waldemar Factors damaging the embryo in the early period of development, 24:48485
- MATACHUN, A. T. Investigation of beam behavior in a sector cyclotron, 23:34694
- MATAGI, Yoshihiko Fluidized bed calcination of radioactive liquid wastes, 24:25103
- MATAIX, M. Actual situation with the light water reactors, 24:9064
- MATAKE, Hidehisa Occupational chronic radiation injury, 25:24443
- MATALIN, L. A. Multichannel analyzer in nuclear physics, 21:28331
  - Recording and data processing techniques in nuclear physics and technology, 22:49160
- MATALIN, Lev Aleksandrovich Multichannel analyzers in nuclear physics, 22:30922
- MATALON, Victor Prosthetic evaluation of patients who have received irradiation to the head and neck regions, 22:51917
- MATALOV, I. E. Streaming of neutrons through cylindrical and flat neutron guides, 22:27503
- MATALOVA, O. I. Studies of total emission of dense low-temperature argon plasma, 23:10614
- MATANO, Nobuhisa Determination of Hf in Zr alloys, 23:15815
  - Determination of Hf in Zr alloys, 23:19637
- MATANO, T. Spark chamber pictures of air showers, 21:5093 (INSJ-100)
- MATANO, Tsuneo Application of image intensifier to study of air shower, 24:29538
- MATAR, Said El-Sayed Mohamed Couette flow of a partially ionized symmetric diatomic gas, 21:33252
- MATAS, J. Asymmetry ratio of a Compton polarimeter, 22:25656
  - Level structure of ^{35}Cl, 24:43265
  - Levels in ^{37}Ar and in ^{37}Cl, 25:34062
  - Linear polarization measurements of unresolved gamma rays, 24:9678
  - Properties of 1.763 MeV level in ^{35}Cl, 23:39993
  - Properties of levels in ^{35}Cl, 24:22115
- MATAUSCHEK, Klaus Halogen counting tubes, 21:39264
- MATAUSEK, M. Analog computer method for solving flux distribution problems in multiregion nuclear reactors, 22:46956
  - Discrete energy representation of thermal-neutron spectra, 23:28612
  - Physical calculations for heavy water power reactors: methods and programs, 22:24963 (IBK-241)
  - Theoretical methods for core parameters determination in uranium—plutonium lattices, 25:54255 (A/CONF.49/P-351)
- MATAUSEK, M. V. Multigroup P3 equations in cylindrical geometry, 23:17277
- MATAYOSHI, Seitaro Kondo effect in superconductor, 23:39403
- MATCHA, R. L. Comment on approximate molecular orbitals. III, 22:41377
  - Identities relating spin—spin and orbit—orbit to spin—orbit interactions, 24:51453
- MATCHERET, G. Adsorption of UF_6 on MgF_2 and NpF_6 on MgF_2 and BaF_2, 24:25058
  - Reactions of fluorine with the tetrafluoride and dioxide of neptunium, 24:9327
- MATCHERET, Georges Neptunium hexafluoride, 24:4257 (CEA-Bib-174)
  - Oxidation of uranium carbides in gaseous environments, 25:8907 (CEA-Bib-183)
  - Processing irradiated ceramic fuel elements, 24:5735
  - Study of neptunium hexafluoride formation and its adsorption on metallic fluorides, 25:10568 (CEA-R-4051)
- MATCHES, J. R. Effects of multiple dose of irradiation on the bacterial flora of seafoods, 24:2859
  - Microbiological and biochemical factors involved in irradiation of marine products, 24:2846 (RLO-1730-3)
  - Prog. rpt. on irradiation pasteurization of seafoods, annual, 10/65-10/66, 21:20457 (RLO-1730-5)
  - Prog. rpt. on irradiation pasteurization of seafoods, annual, 10/66—9/67, 22:15125 (RLO-1730-2)
- MATCHES, Jack R. Growth of salmonellae on irradiated and non-irradiated seafoods, 22:49673
  - Radiation destruction of Vibrio parahaemolyticus, 25:27115
  - Single and multiple doses in the radiation pasteurization of seafoods, 23:3007
- MATCHETT, W. H. Effect of methionine on synthesis of ribonucleic acid in Escherichia coli, 21:14547 (BNWL-280, pp 88-91)
- MATCHETTE, E. E. Time measuring devices, 21:12716 (UCRL-13258)
- MATE, Gy. Problematics on the application of delayed coincidence devices, 22:313
- MATE, Z. Collector system of an isotope separator for investigating short-lived isotopes, 25:56584 (JINR-P6-5888)
  - Nuclear spectroscopy of some light Tl isotopes, 25:28339 (CERN-70-30(Vol.2), pp 1081-91)
- MATEER, R. S. Characterization of boron carbide for fast reactor absorbers, 24:33280
- MATEESCU, G. D. Isotopic exchange of active methyl hydrogens. V, 22:6306
- MATEEV, B. Roentgenologic and scintigraphic demonstration of vena portae, 23:35812
- MATEEV, M. K^- capture by ^{4}He and KN s-interaction, 21:33770
  - Neutral K decays into $\pi^0\gamma\gamma$, 21:25274
  - Subtracted dispersion relations and on-mass-shell current algebra: pseudoscalar-meson—baryon scattering length, 22:20255
- MATEEV, M. D. Proton structure and quasi-potential description of the proton—electron interaction, 22:9542
  - Quasi-potential equation for the relativistic harmonic oscillator, 25:5405 (JINR-E2-5339)
  - Quasipotential description of the negaton—positon interaction, 22:24592
  - Quasipotential equation for particles with spin 1/2 in configuration representation and relativistic spherical spinors, 25:25342 (JINR-P2-5605)
  - Quasipotential equation for relativistic harmonic oscillator, 25:52979
  - Relativistic quasi-potential equation in the case of particles with spin, 22:32221
  - Relativistic quasipotential equation with local interaction, 23:18752 (JINR-P2-4107)
  - Relativistic quasipotential equation with local interaction, 23:42764
  - Relativistic quasipotential equations in the case of electromagnetic interaction, 25:1444 (JINR-E2-5225)
  - Relativistic three-dimensional equations for the two-body problem in the unequal mass case, 23:3658 (JINR-E2-4030)
  - Three-dimensional relativistic equations for system of two particles with unequal masses, 24:40466
- MATEI, I. Alkaline processing of some uranium ores, 23:21787
  - Some quantitative relations on the radioactive minerals leaching processes, 24:2283
  - Uranium content determinations in solutions, 23:31305
- MATEI, L. Coloration of $SrCl_2$ single crystals by x rays at liquid nitrogen temperature, 25:52915
- MATEI, Speranta Thermodynamic properties of some uranium oxides from EMF measurements, 25:23585
- MATEICIUC, V. Doppler effect of 6.24 eV resonance in ^{121}Sb, 25:10041
  - Effective total neutron cross sections for antimony at 30 to 150 eV, 24:45785
  - Neutron resonance parameters of Sb, 22:32599
- MATEJEC, Reinhart Transparent intensifier foils for use with photographic materials for recording x rays, γ rays, or corpuscular rays, 21:8629
- MATEJKA, D. Q. Aeroelastic bending analysis of a Terrier-Tomahawk 9 sounding rocked vehicle, 24:13703 (SC-DR-69-661)
- MATEJOVIC, K. Problems of manufacture and welding of structural equipment of austenitic steels for nuclear reactors, 24:46707 (ZJE-81)
- MATELSKY, I. Non-ionizing radiations, 24:32258
- MATENKO, Juliusz Radioactivity of raw materials for the Polish phosphorus industry, 21:25795
- MATEO, Alejandro J. Calibration of beta—gamma survey meters, 24:36558 (PAEC(D)-701)
- MATERA, Nicholas J. Environmental factors affecting the standing crop of foraminifera in sublittoral communities of a Long Island Salt Marsh, 25:37208 (NYO-3995-15)
- MATERA, R. Dispersed-phase alloy in Al—$NbAl_3$ system, 23:36054
  - Examination of welded joints of Zr—2.5 percent Nb, 24:29980
  - Possibility of preparation of Al—$NbAl_3$ alloy in dispersed phase by rapid tempering of liquid state, 22:34069
- MATERLIK, Hubert Adrenocortical activity in patients with acromegaly before and after x-ray therapy of the pituitary gland, 23:791
- MATERN, G. Determination of vapor pressure of liquid metallic gallium, 24:8115
- MATERSON, Barry J. Inulin labeled with ^{51}Cr, 23:20269
  - Measurement of glomerular filtration rate, 25:42574
- MATESE, J. J. Beta decay of neutron immersed in degenerate electron gas, 23:42523
  - Effect of a constant magnetic field on the neutron beta decay rate and its astrophysical implications, 23:30290
  - Neutron beta decay in a uniform constant magnetic field, 23:32690
  - Production of helium in the big-bang expansion of a magnetic Universe, 24:28062
  - Static nuclear deformation effects in internal conversion, 22:50665
- MATESE, John J. Choosing pseudostates in the close-coupling formalism for the electron—atomic-hydrogen system, 25:43140
  - Elastic scattering of positrons from H, 25:16819
- MATESICH, Mary Andrew Mechanism of the acid-catalyzed hydration of phenylpropiolic acid, 22:4104
- MATEVA, Vera Interference activity of uv-irradiated Newcastle disease virus (ND/sub uv/), 21:4888
  - Interference activity of uv-irradiated Newcastle disease virus, 22:17059
- MATEVOSYAN, A. K. Determination of free radical state during irradiation of plants, 22:33978
- MATEVOSYAN, E. M. Hodoscope scheme for G—M counters, 21:6296
  - Study of a streamer chamber containing xenon, 25:42149
- MATEVOSYAN, K. A. Absorption of the nuclear-active component of cosmic radiation in lead and aluminum, 23:3307
  - Absorption path of nuclear-active cosmic-ray particles, 21:9358
  - Characteristics of high-pressure spark chamber, 21:45399
  - Combined operation of spark chambers and ionization chambers, 23:31553
  - Inelastic interaction cross section of nuclear-active particles with nuclei of aluminum and lead atoms, 25:53694
  - Investigation of the cosmic-ray nuclear-active component, 21:30721
  - Relation of nuclear interaction cross section to atomic weight of the element, 22:21913
  - Screening from the electromagnetic field of spark chamber discharge, 23:26575
  - Shower efficiency of spark chambers, 24:9690
  - Spark counter, 21:286
- MATFIELD, R. S. Prog. rpt. on measurement of small dimensional changes by neutron radiography, 1969, 24:46441 (AERE-R-5792)
- MATHAY, P. W. Electron microscopic examination of HPD stainless steel cladding, 21:4914 (GEAP-5003)
  - Fast neutron damage studies in high nickel alloys, 22:713 (GEAP-4985)
  - Performance analysis of High Power Density Program fuel rods irradiated in VBWR, 23:48572 (GEAP-4926)
- MATHE, G Radioimmunology, 21:45828
- MATHE, G. Acute irradiation in man: treatment of hematologic disorders, 25:29699
  - Bone marrow graft, 21:10940
  - Bone marrow graft, 22:6840
  - Bone marrow transplantation after whole-body irradiation in men, 21:45763
  - Bone marrow transplantation in man, 24:624
  - Cataract due to whole body irradiation, 25:21915
  - Conference on advance in transplantation, Paris, 1967, 23:47991
  - Immunogenetic and immunological problems of allogeneic hemopoietic radiochimeras in man, 22:51409
  - Immunologic reactions and cancers, 22:12785
  - Induced allogenic hematopoietic chimeras, 21:34687
  - New data on the treatment of leukemias and other tumors by the graft-versus-host reaction, 23:47988
  - Radiotherapy in leukemia, 23:48175
  - Reduction of immune response in radiation chimeras, 24:9792
  - Study of the immunological restoration of allogeneic hematopoietic radiochimeras, 23:50386
  - Treatment of leukemia, 23:45848
  - Treatment of subjects accidentally irradiated in toto, 23:859
  - Utilization of hemopoietic heterochimeras for the revelation of a leukemogenic virus, 23:47985
- MATHE, George Treatment of acute leukemia by allogenic bone marrow graft, 23:4980
- MATHE, Gy. Experimental arrangement with a.p.m. principles for polarization measurements, 23:14103
  - Measurement of scintillation decay times by means of simulated photomultiplier pulses, 22:36048
  - New higher levels of ^{144}Nd in decay of ^{144}Pm, 21:33981
  - Pulse shape discrimination with Si(Li) detectors by means of null-transmission method, 24:31713
- MATHE, Gyoergy Higher levels of ^{144}Nd in the decay of ^{144}Pm, 21:12045
- MATHE, Gyorgy Effect of the signal modulation on the separating properties of the pulse-shape discriminator, 22:28119
  - Pulse-shape discrimination in nuclear physics, 25:23815
- MATHE, I. Gyoergy Loop experiment in zones of nuclear power plants, 21:35610
- MATHE, Ivan Gyoergy Loop experiments in zones of nuclear power plants, 21:35762
  - Operation of the experimental measuring system OZH-1 and OZH-2 for nuclear reactors. II, 21:1494
  - Systemization techniques for nuclear power plant systems, 24:16154
- MATHE, T. Installation for automatic detection of radioactive contamination of drinking water and waste waters, 22:10615 (IFA-IS-45)
- MATHENEY, G. B. LOFT assistance program in engineering development and nuclear safety tests, 22:46910 (ORNL-4265)
  - ORNL—LOFT fission product support program, 23:28523 (IDO-17258-J)
  - Training of utility representatives in the field of public acceptance of nuclear power, 25:39138 (CONF-710416-, Paper 22)
- MATHENY, William D. Bibliography on pulsars, 24:27960 (TID-3320)
  - Bibliography on pulsars, 25:38078 (TID-3320(Suppl.1))
- MATHER, D. M. Spectrophotometric determination of Zr in mild and low alloy steels, 25:44318
- MATHER, D. S. Calibration of Aldermaston ^{240}Pu spontaneous fission neutron source, 21:31693
  - Evaluation of anti τ for ^{239}Pu, 25:20363 (AWRE-O-86/70)
  - Evaluation of average τ for ^{235}U, 25:59775 (AWRE-O-44/71)
  - Evaluation of τ bar for ^{235}U, 25:53730 (AWRE-O-44/71)
  - Measurement of (n,2n) and (n,3n) cross sections at 14-MeV incident energy, 24:3836 (AWRE-O-47/69)
  - Measurements of anti τ/sub p/ for ^{239}Pu between 40 keV and 1.2 MeV, 24:49850 (AWRE-O-42/70)
  - Monte Carlo studies of scintillator efficiencies and scatter corrections for (n,2n) cross section measurements, 22:14788
  - Spontaneous fission half-life of ^{240}Pu, 22:3727
- MATHER, J. Intense source of neutrons from the dense plasma focus, 21:35166 (LA-DC-8124)
  - Intense source of neutrons from the dense plasma focus, 21:44515 (CONF-660925, pp 623-34)
- MATHER, J. D. Literature survey of the use of radioisotopes in ground-water studies, 25:6428
- MATHER, J. W. High power technology associated with dense plasma focus research, 24:24063 (LA-4250, pp E4.1-5)
  - Image converter observations of the development of the dense plasma focus discharge, 21:802
  - Impedance matching the plasma focus device, 24:24064 (LA-4250, pp E5.1-2)

- Mechanism of neutron production from dense plasma focus, 22:34727 (LA-DC-9327)
- Neutron production from dense plasma focus, 23:32497
- Recent studies of dense plasma focus, 25:38497 (CONF-710607-40)
- Some characteristics of the dense plasma focus, 22:1250 (LA-3770, Paper C1)
- MATHER, Joseph W. Characteristics of the dense plasma focus discharge, 22:19992
  - Plasma accelerator having rapidly pulsed coil for expelling plasma, 21:25156
  - Stability of the dense plasma focus, 23:23166 (LA-4088)
  - Stability of the dense plasma focus, 24:3390
- MATHER, K. B. Conjugacy of visual auroras during magnetically quiet periods, 23:10495
- MATHER, Lauren Richard Lorentz contraction effects in electromagnetic form factors of relativistic two-body systems, 24:24266
- MATHER, R. L. Background, shielding, and collimation, 22:8378
  - Ground roughness effects in fallout radiation fields, 23:15972 (AD-673222)
  - Statistical study of routine LiF thermoluminescent dosimetry, 22:12661
- MATHER, W. Absorptiometric bone mineral determination using ^{153}Gd, 25:4649 (CONF-700515-, pp 308-12)
- MATHER, Warren E. Bone mineral content of Eskimos of Point Hope and Barrow, 25:46369 (COO-1422-103)
- MATHERN, Fernand Electronic control of fritted UO$_2$ tablets before and after irradiations with neutrons, 21:42175
- MATHERNE, J. L. Containment of radioactive material in Transuranium Processing Plant, 21:1379 (ORNL-P-2408)
  - Containment of radioactive material in the Transuranium Processing Plant, 21:6171
  - First major maintenance performed in transuranium processing plant, 21:39077 (ORNL-P-3229)
  - Problems and successes in the first major maintenance performed in the transuranium processing plant, 22:4324
- MATHERS, G. B. Nondestructive inspection techniques for multilayer circuit boards, 21:30649
- MATHERS, J. W. Factors influencing the retention of an oral dose of radioactive manganese by the chick, 22:8471
- MATHERS, W. G. In-reactor thermal conductivity of uranium carbide, 21:6891 (AECL-2521)
  - SAP clad uranium carbide fuel elements, 23:8356
- MATHESON, A. F. Secondary kinetic isotope effects in bimolecular nucleophilic substitutions. IV, 25:26217
- MATHESON, A. R. Thorium market estimates for HTGR, 25:48252 (CONF-680989-, pp 23-6)
- MATHESON, Audria Alterations in Bacillus subtilis after exposure to lysin and uv, 22:36415
- MATHESON, L. A. Air leakage into plutonium gloveboxes and its effect on inert operations, 25:54944 (CONF-710401-, pp 83-97)
- MATHESON, Max S. Pulse radiolysis, 22:4174
  - Pulse radiolysis, 24:252
- MATHESON, N. A. Counteraction of platelet activity at sites of laser-induced endothelial trauma, 24:5997
- MATHESON, R. M. High-temperature performance of metal-ceramic photomultipliers, 22:40502
  - Photomultipliers for scintillation counting in severe environments, 21:32453
- MATHESON, W. E. Higher outputs and efficiencies for nuclear batteries, 23:21899
  - Nuclear batteries, 24:22896
- MATHEVON, Gilbert Content of radioactive elements of some rocks of the Vosges, 23:17570
  - Determination of the radioactivity of rocks by γ spectrometry using a Li-compensated Ge detector, 22:326
  - Determination of U, Ra, Th, and K in various rocks of the Vosges, 23:26190
- MATHEW, K. A. Chemistry of actinium. I, 23:11523
  - Chemistry of actinium-II, 23:7516
- MATHEW, Mariamma P. Generalized mean-square amplitudes of vibration and shrinkage effect in CF$_3$C : CH and CF$_3$C : CD, 21:3017
- MATHEW, P. J. Continuous flux monitor for 14-MeV neutrons, 24:41667
  - Fabrication of surface-barrier nuclear particle detectors from p-type silicon, 21:17848
  - New isotope ^{82}As, 23:5839
- MATHEWS, Christopher K. T-even bacteriophage-tolerant mutants of Escherichia coli B. I. Isolation and preliminary characterization, 24:42036
- MATHEWS, D. Recursive solution of the B$_1$ equations, 22:33135
  - Thermionic critical experiment for Doppler coefficient measurements, 22:48728 (GA-7472)
- MATHEWS, D. R. Deep penetration of radiation by the method of invariant imbedding, 21:21002
  - Effect of moderation on damage flux in fast reactors, 23:15696
  - GAF and GAR: new computer programs for calculation of neutron spectra, 22:10077 (GA-7920)
  - GAF: computer program for calculation of neutron spectra and average cross sections in high energy region, 21:33854 (GA-7169)
  - GAF/GAR GAND fast reactor cross section preparation system. I, 22:35663 (GA-7542(Vol.1))
  - One-group two-dimensional critical size prediction subroutine, 24:11318 (GAMD-8718)
  - Review of Gulf General Atomic support of the High Temperature Lattice Test Reactor program, 25:20787 (GAMD-10231)
  - Self-shielded scattering transfer array effects, 24:33161
  - Twinning and mechanical properties of V, 23:48414
- MATHEWS, Donald R. Inclusion of energy-dependent bucklings in B/sub N/ approximations, 23:37711
- MATHEWS, Donald Richard Calculation of the deep penetration of radiation by the method of invariant imbedding, 21:1537 (N-66-21662)
- MATHEWS, F. H. Characteristics of several concentrated-charge, explosive-driven shock tubes, 21:40746 (SC-DC-67-1857)
- MATHEWS, George Radioxenon brain scanning, 21:39463
- MATHEWS, J. R. Electrical properties of silicon diode array camera targets made by boron ion implantation, 25:52919
- MATHEWS, Jimmy D. Accidental extremity exposures from analytical x-ray beams, 24:12098
- MATHEWS, John Production of achlorhydria by direct irradiation of stomach, 23:50873
- MATHEWS, Micheline M. Resistance to radiation in bacteria, 22:4707
- MATHEWS, P. M. Arbitrary spin fields, 25:53325
  - Arbitrary-spin wave equations and Lorentz invariance, 25:41061
  - Carruthers' theorem for any spin and parastatistics, 24:40292
  - Commutation relations among members of internal-symmetry multiplets, 23:7159
  - Covariant theory of the quantized electromagnetic field with only physical photons, 24:40465
  - Description of particles of arbitrary spin, 23:16941
  - General types of Hamiltonians for particles of any spin, 21:33735
  - Massive vector field, 24:35696
  - Quantization of relativistic Schroedinger equations for arbitrary spin, 21:25342
  - Reduction of Kemmer equation and singular behavior of integer-spin relativistic Hamiltonians, 24:51996
  - Relativistic wave equations, 25:53263
  - Relativistic wave equations for higher spin and their quantization, 23:12996
  - SO*(n,1)-invariant finite-component wave equations and reflection invariance, 24:26461
- MATHEWS, R. L. Explosion and detonation limits for an O—H—H$_2$O—vapor system, 21:5838 (KAPL-M-6564)
  - Two mode kinetics equations, 21:7881 (KAPL-M-6576)
- MATHEWS, Raymond E. Evaluation of radiosulfate as measure of extracellular fluid, 24:17102
  - Extracellular fluid in dogs with hemorrhagic shock, 24:17101
- MATHEWS, Robert D. Exchange of the rho and A$_2$ Regge trajectories, 23:36932
- MATHEWS, T. Intercomparison of neutron monitors during solar-flare increases, 21:24884
  - Pronounced diurnal variation in cosmic-ray intensity, 23:16687
  - Response of mu-meson detectors deep in the atmosphere to primary cosmic-ray particles of magnetic rigidity between 10 and 25 GV, 21:24204
  - Rigidity dependence of Forbush decreases and 11-year variation in cosmic-ray intensity, 25:58823
- MATHEWS, Titus Mechanism for cosmic-ray modulation, 25:16860
- MATHEWS, W. A. Developments of targeting techniques at Nimrod, 21:29775
  - Fast shutter magnets for separated particle beams, 22:13875 (RHEL/R-147)
- MATHEWS, W. G. Lyman-line decrements in low-density planetary nebulae, 23:14431
- MATHEWS, W. N. Jr. Self-consistent threshold calculations for the superconducting injection laser, 25:17115 (ORO-3665-24)
- MATHEWS, Wesley Northey Bogolyubov equations and their application to a normal—superconducting boundary, 21:23133 (AD-644028)
- MATHEWS, Wesley Northey Jr. Bogolyubov equations and their application to a normal—superconducting boundary, 21:42004
- MATHEWS, William G. Dynamic effects of radiation pressure in H II regions, 21:20659
  - Evolution of diffuse nebulae, 23:44036
  - Evolution of high-density, dust-filled H II regions, 23:44079
  - Hydrogen-line intensities in gaseous nebulae, 23:20571
  - Hydromagnetic free expansion of a relativistic gas, 25:24764
  - Theoretical continuous spectra of gaseous nebulae, 24:35036
- MATHEWSON, D. S. Galactic magnetic field, 24:28041
  - Local galactic magnetic field and the nature of the radio spurs, 22:41192
  - Local spiral-arm magnetic field, 22:52467
  - Magnetic-field structure of the Magellanic Clouds, 24:23692
  - Polarization measurements of stars in the Magellanic Clouds, 24:46827
- MATHEY, G. Creep behavior of SAP-ISML, 22:750 (EUR-3566)
- MATHEY, J. Repeated measurements on blood flow and cardiac index after operations involving extracorporeal flow, 25:49229
- MATHEZ, G. Forbidden line spectra of QSS, 23:51235
- MATHEZ, Guy Study of the excitation of forbidden lines in the particular physical conditions of quasars, 22:43849
- MATHIAS, A. Nitrogen-14 chemical shifts in some benzothiazoles, 21:32189
- MATHIAS, D. J. Argon-41 activity discharged from shield cooling air, 23:29141
- MATHIE, F. First results of lung function diagnostic methods in nuclear medicine, 25:19044
- MATHIE, J. Fast neutron irradiation of Al, Mg, and Cu, 25:58310
- MATHIESEN, J. M. Application of non-dispersive x-ray spectroscopy to the elemental analysis of selected Central and South American ore samples, 24:38713 (PRNC-135, pp 451-67)
  - Fabrication and use of high resolution lithium-drifted germanium gamma-ray detectors, 22:2353
  - Measurement of positron annihilation line shapes with Ge(Li) detector, 22:31611
  - Search for a fast decay component in NaI(Tl); an evaluation of the RCA 8575 photomultiplier tube, 21:24214
  - Search for fast decay component in NaI(Tl). Evaluation of RCA 8575 photomultiplier tube, 21:12644 (USNRDL-TR-1099)
- MATHIESEN, James M. Fabrication and use of high resolution lithium-drifted germanium gamma-ray detectors, 21:34477 (USNRDL-TR-67-55)
  - Measurement of positron annihilation interactions with a Ge(Li) detector, 22:33630 (AD-663113)
- MATHIESEN, O. Charge distribution of the energetic very heavy nuclei in the primary cosmic radiation, 21:37188 (CONF-670628-7)
  - Description of the logic unit of the photometer system SFIL 70, 25:55045 (LUIP-CR-71-2)
- MATHIESON, A. McL Conference on accurate determination of x-ray intensities and structure factors, Cambridge, Eng., 6/68, 25:3216
  - Proposed report of international union of crystallography, 22:41640 (BNL-12559)
- MATHIESON, E. Attenuation of proportional counter pulse, 23:38286
  - Attenuation of proportional counter pulsed by equal integrating and differentiating time constants, 23:43523
  - Flux problem related to two dimensional image dissection, 25:23928
  - Pulse shape discrimination in proportional counters, 25:8516
- MATHIEU, F. Instrumentation for nuclear power plant control. Some aspects of present state of experience and program in Belgium, 25:39150 (IAEA-119, 8p.)
- MATHIEU, Francois Temperature measurement of irradiation capsules, 24:41715
- MATHIEU, G. Epitheliomas of the uterine cervix, 23:38704
  - Geochemical studies on Cranberry and Sterling Lakes, 25:8350 (CU-2493-11, App.4)
- MATHIEU, G. G. Radium in the Indian—Antarctic Ocean south of Australia, 24:46378
- MATHIEU, G. R. Comparison of the observed results of irradiation on the skin, 24:9962
  - Response of skin of swine to increasing single exposures of 250-kVp x-rays, 23:6591
  - Response of skin of swine to multiple exposures of x-ray, 23:16421
- MATHIEU, Guy Natural radiocarbon and fission products in Arctic Ocean water, 22:42892 (CU-2663-9, App.B)
  - Oxygen isotope compositions of foraminifera and water samples from the Arctic Ocean, 22:42897 (CU-2663-9, App.G)
- MATHIEU, Guy G. Carbon-14, ^{137}Cs, and ^{90}Sr profiles in Antarctic waters, 21:43072 (CU-2663-8, App.T)
  - Radium and inorganic C in Antarctic waters, 24:19114
  - Radon-222 in Antarctic near-surface waters, 24:19111
- MATHIEU, H. Intestinal absorption of Ca in rat, 24:568
- MATHIEU, J. Application of gamma rays and fast neutrons from ionization chambers filled with a liquid dielectric to practical dosimetry, 21:14474
  - Dosimetry in mixed gamma- and fast-neutron field, 21:329
  - Ionization chamber filled with a tissue-equivalent liquid for the dosimetry of electromagnetic radiations, 22:14863
  - Theoretical determination of linear energy transfers of radiations in certain dielectric liquids. Experimental measurements, 22:38800
- MATHIEU, J. C. Heats of dissolution of tin, silver, silicon, and iron in liquid aluminum, 22:31362
  - Representation of thermodynamic mixing data of metallic binary systems: use of "surrounded atom" model, 22:31391
- MATHIEU, Jacques Calculation of linear energy transfer of various radiations in liquids which may be used as ionisation chamber filling, 22:16879
  - Calculation of linear energy transfer of various types of radiation in liquids usable as filling in ionization chambers, 22:30824 (SLAC-Trans-81)
  - Depth dose distributions in plexiglas phantom MeV, 24:44253 (EUR-4452, pp 437-53)
  - Ionization chamber filled with a liquid equivalent to the biological tissue, 24:25274
  - Mean gamma ray energy necessary to create ion pairs in dielectric liquids, 25:26293
  - Measurement of quality factor in phantom irradiated by 3 BeV proton beam, 24:44327 (CONF-691101-, pp 809-16)
  - Measurement of the mean energy necessary to create an ion pair in some liquid dielectrics, 21:28012
  - Measurement of the mean energy required to produce an ion pair in certain dielectric liquids, 22:16601
- MATHIEU, Jean-Claude Calorimetric measurement of heat of solution of Sm in Sn, 22:28784
  - Heat of dissolution of Yb in Sn, 24:21376
  - Heat of solution of Sm in Sn and heat of formation for compounds in Sn—Sm system, 23:8154 (CONF-681020-(Vol.1), pp 221-31)
- MATHIEU, L. Multiwire proportional and semiproportional counter, 24:11803
- MATHIEU, Michel-Vital Infrared study of the surface of titanium dioxides. I. Hydroxyl groups, 25:31913
- MATHIEU, O. Deoxycytidine as biochemical indicator of radiation injury, 24:50748
  - Electrolyte metabolism in mice dying from the gastrointestinal syndrome, 24:32238
- MATHIEU, Richard D. Structure of weak shock waves in a fully ionized gas, 22:26402
- MATHIEUSSENT, Gilles Amplitude of plasma wave echoes, 24:19926
- MATHIEW, Jacques Simulated transport of 2-MeV electrons, 24:44966 (EUR-4452, pp 401-35)
- MATHIEZ, Ph. Titanium wire adapted for sublimation pumps designed to work in ultravacuum, 22:16846
  - Titanium wire for sublimation pumps to be used in an ultravacuum, 23:48353 (UCRL-Trans-10354)
- MATHIS, A. Accident analysis for a fast source reactor, 22:39883
  - Accident analysis for a fast source reactor, 23:15680

  - Design of a fast reactor for preparation of technical experiments, 22:50829
  - Iterative methods for the analog simulation of physical systems containing flowing fluids, 21:1510 (RT/ING-(66)1)
  - Nuclear reactor cores simulation, 24:38497
  - Use of hybrid computers in CNEN nuclear program, 23:40440 (CONF-690401-, pp 391-414)
- MATHIS, Gerald C. Evaluation of materials and techniques for cementing casing in large diameter drilled holes, 23:46153 (NVO-38-17)
- MATHIS, J. S. Apsidal constants of stellar models, 21:46071
- MATHIS, John S. Electron scattering in Seyfert galaxies, 25:7116
  - Internal dust in gaseous nebulae, 24:12591
  - Internal dust in gaseous nebulae. II, 25:40207
  - Nuclear reactions during stellar collisions, 21:20704
  - Thermal instability in ionized gaseous nebulae, 22:41241
- MATHIS, R. D. Structure and properties of rf-sputtered superconducting tantalum films, 24:26326
- MATHIS, R. F. Abundance of excited ions in an NO^+ ion beam, 22:50005
  - De-excitation cross section of $(NO^+)^*$ in NO, 23:20690
  - Long-lived excited states in ions, 22:29275
- MATHISEN, Ole A. Coastal zooplankton around Amchitka Island, Alaska, 25:49138
- MATHISEN, R. P. Natural circulation with boiling, 22:35532
  - Power disturbances close to hydrodynamic instability in natural circulation two-phase flow, 21:40518 (AE-285)
- MATHKAR, V. M. Bibliography on cancer, 1957—1967, 23:50754
- MATHOT, L. G. R. Decay of ^{111}Ag, 23:8993
- MATHUR, A. K. Magnetohydrodynamic flow between two parallel plates, 24:8377
- MATHUR, B. P. Effect of chemical exchange between D_2 and HBr on thermal diffusion separation of D and H in a trennschaukel, 25:8422 (CU-755-7, Sect.5)
  - Isotopic thermal diffusion factor for CO_2, 24:9286
  - Thermal diffusion factor for isotopic CO, 24:22652
  - Thermal diffusion in isotopic $^{16}O_2$—$^{18}O_2$, 23:45273
  - Thermal diffusion in polyatomic gases, 23:6141
- MATHUR, B. S. Hyperfine separation of tritium, 21:33206
  - Maleic acid complexes of rare earth and other metals. I, 25:4075
  - Use of a quartz contained discharge in atomic tritium experiments, 21:43305
- MATHUR, D. L. Potentiometric determination of mandelic acid and zirconium mandelates, 23:26177
- MATHUR, H. B. Chemical effects of electron capture in $^{57}Co(III)(1,10\text{-phenanthroline})_3(ClO_4)_3.2H_2O$, 23:15921
  - High temperature oxidation kinetics of lanthanum metal, 22:16553
  - Impurity diffusion of rare earth metals in copper, 25:2680
  - Kinetics of oxidation of dysprosium metal in temperature region 500 to 800°C, 22:36434
  - Moessbauer and x-ray diffraction study on cation distribution in $FeAl_2O_4$, 22:26512
  - Moessbauer spectra of sulpho-spinels containing Fe^{3+} ions, 22:24422
  - Stereospecificity of recombination reactions in neutron irradiated cis-and trans-$[Cr(ethylenediamine)_2Cl_2]Cl$, 22:45127
- MATHUR, J. M. S. Effect of γ-irradiation on growth and fat mobilization of peanuts, 21:22279
- MATHUR, J. N. Magnetic small angle scattering of thermal neutrons in unmagnetized iron, 21:35213 (BMwF-FBK-67-37)
  - Measurements on magnetic small-angle scattering of thermal neutrons in unmagnetized iron, 22:11513
- MATHUR, K. C. Cross-sections and reaction rates for electron-impact ionization of lithiumlike and sodiumlike positive ions, 25:27443
  - Dissociation and ionization of H_2^+ by electron impact, 24:26002
  - Elastic scattering of electrons by Li atoms using modified Glauber approximation, 25:52649
  - Electron loss from H atoms incident on H_2, N_2, and O_2, 25:49707
  - Electron-impact excitation of Be^+, Mg^+, and Ca^+ ions, 24:17694
  - Electron-impact excitation of lithium, 25:55864
  - Electron-impact ionization and excitation cross sections of atoms with two outer-shell electrons, 23:41971
  - Electron-impact ionization cross section of ions, 23:41952
  - Excitation of alkali atoms by electron impact, 23:22901
  - Excitation of helium by proton impact, 25:24896
  - Excitation of hydrogen atoms by proton impact, 25:49706
  - Proton impact excitation for alkali atoms, 25:40387
- MATHUR, K. N. Separation of metal ions on stannic phosphate and stannic tungstate papers, 22:4248
  - Separation of metal ions on tin(IV) tungstate and selenite papers, 23:24279
- MATHUR, M. P. Magnetic studies of SnTe—MnTe, 24:23909
- MATHUR, P. B. Atomic energy in preservation of fruits and vegetables, 24:34824
  - Effects of developmental stage at the time of gamma irradiation and treatment with indolyl-3-acetic acid on the storage behaviour of tomatoes, 21:43546
  - Low-dose gamma-irradiation technique for extension of storage life of seed potatoes, 23:38910
- MATHUR, P. K. Annealing of ^{60}Co recoil atoms in alpha and beta cobalt phthalocyanine, 25:4130
  - Note on the determination of niobium in stabilized stainless steels, 22:27608
  - Solid state isotopic exchange in radiocobalt doped trisdripyridyl Co(III) perchlorate, 25:2191
  - Water chemistry studies: chemical analysis manual for moderator and coolant water systems, 25:28914 (BARC-515)
- MATHUR, R. N. Analysis of four-stage aperiodic rf mass analyzer, 23:7899
- MATHUR, R. P. Phosphorus-32 and water quality, 23:50048
- MATHUR, S. Thermal conductivity of gas mixtures, 22:40102
- MATHUR, S. C. Adaptation of gamma-ray spectral analysis program for PDP-9 computer, 25:26500
  - Compilation of γ ray angular distribution coefficients, 21:30030 (ORO-2791-21)
  - Interferences encountered in 14 MeV neutron activation analysis, 22:1983
  - Nuclear structure studies by means of (n,n'γ) reactions, 22:27159
  - TRNRX: program for γ ray angular distributions in (n,n'γ) reactions, 21:12082 (ORO-2791-20)
  - Use of 14 MeV neutrons in the activation analysis of minerals, 23:24128
- MATHUR, S. S. Second- and third-order elastic constants of Cr, Mo, and W, 24:51825
- MATHUR, Saroj Axially symmetric self-superposable flows in magnetohydrodynamics, 25:40432
- MATHUR, Suresh C. Angular distributions of gamma rays produced in the $^{89}Y(n,n'\gamma)^{89}Y$ reaction, 21:4237 (ORO-2791-19, Paper 1)
  - Angular distributions of gamma rays produced in the $^{89}Y(n,n'\gamma)^{89}Y$ reaction, 21:35476
  - Compilation of neutron reaction and total cross sections at 14 MeV, 21:25393 (EANDC(US)-58(U))
  - Inelastic neutron scattering cross sections in several elements with 15 MeV neutrons, 21:17338 (AD-647225)
  - Reactions (n,n') and (n,2n) in several elements at 14.8 MeV, 24:13303
  - Techniques for compiling large FORTRAN programs for a PDP-9 computer, 25:26555
  - Width-fluctuation effects in (n,n'γ) reactions, 21:40412
  - Width-fluctuation effects in angular correlation in inelastic nucleon scattering, 23:32913
- MATHUR, V. S. $A_1 \rightarrow$ rhoπ and rho $\rightarrow 2\pi$ decays, 22:1433
  - Absolute cross sections of (t,p) and (^{3}He,p) reactions, 22:32510
  - Absolute cross sections of the (t,p) and (^{3}He,p) reactions, 21:5580
  - Ambiguity in soft-pion extrapolation, nonleptonic decays and the eta $\rightarrow 3\pi$ decay, 21:37770
  - Anomalous magnetic moment of the A_1, 22:50339
  - Asymptotic SU(3) and vector meson decays, 21:37785
  - Asymptotic sum rules for three-point functions: the A_1—rho—π system, 23:3733
  - Asymptotic symmetry and ω, phi $\rightarrow 2\pi$ decays, 24:18135
  - Broken chiral symmetry and corrections to soft pion theorems, 24:37722 (UR-875-310)
  - Broken chiral symmetry. I, 24:37824
  - Broken chiral symmetry. III, 24:37845
  - Broken chiral symmetry. II, 24:37837
  - Chiral symmetry and the Kuo transformation, 24:40431
  - Conference on particles and fields, Rochester, N. Y., 8—9/67, 22:17886
  - Connection between the RMS charge radii and sigma/sub b//sup E1/ for trinucleons, 25:20252
  - Connection between the rms charge radii and sigma/sub b//sup E1/, 25:50636
  - Continuous breaking of chiral symmetry, 24:5292
  - Corrections to soft-pion theorem in K/sub l3/ decay, 24:45473
  - Current algebra. I, 23:13076
  - Does the electromagnetic current have a unitary singlet component, 23:36883
  - Dynamical approach to the nonleptonic decays, 22:26614
  - Electromagnetic mass difference of pions, 21:23322
  - Low-energy theorem in the radiative decays of charged pions, 21:44333
  - New approach to algebra of currents and application to $K \rightarrow 2\pi$ decay, 21:37756
  - Octet dominance and d/f ratio in nonleptonic hyperon decays, 24:24327
  - Octet dominance in nonleptonic decays, 22:34942
  - Pion scattering lengths and the rho-width, 24:51991
  - Pion scattering lengths, Veneziano amplitude, and rho universality, 24:3669
  - Predominance of CP violation in the $I = 2$ 2π state in K^0/sub L/ $\rightarrow 2\pi$ decay, 21:31624
  - Relation between $K^{+-} \rightarrow \pi^{+-}\pi^0$ and S-wave $\Sigma^+ \rightarrow n\pi^+$ decays, 22:32108
  - Rms charge radii of tri-nucleons and the binding energy of ^{3}H, 22:50527
  - Singularity structure of broken chiral symmetry, 24:37819 (UR-875-311)
  - Soft pion solution of K/sub l3/ parameters, 25:45718
  - Symmetry, superconvergence, and sum rules for spectral functions, 21:23347
  - Theoretical nuclear physics work at BHU, 24:28840
  - Veneziano amplitude, current algebra, and electromagnetic pion form factor, 23:42593
- MATHUR, Vishnu S. Simultaneous realization of SU(3) x SU(3) and dilation symmetry, 25:50164
- MATIC, B. Signal shaping, transformation and generation, 23:41095 (EUR-4289, pp 67-71)
- MATIC, J. S. Spectrographic determination of trace lithium in some refractory oxides by a hollow-cathode discharge tube, 22:12245
- MATIC, M. Charge-changing collisions involving Mg^+, Fe^+, and Cu^+ range 5 to 30 keV, 24:32646
  - Competitive processes in formation of negative ions in heavy-particle collisions, 24:23780
  - Electron loss by C^- and O^- ions in gaseous targets, 25:22367
  - Inelastic heavy particle collisions in range, 25:40351
- MATIC, M. D. Distribution of H and O isotopes in water basins, 24:25122
- MATIC, Olivera Tolerance to the combined effects of hypothermia, anoxia, and ionizing radiation, 21:43390
- MATICS, M. Analysis of metastable-state population in fast ion beams, 25:40345
- MATIJASIC, A. Decontamination and corrosion of Al, 24:23434
- MATIJEVIC, E. Collection efficiency of water droplets falling through an aerosol, 23:29065
  - Collection efficiency of water droplets in AgCl aerosol, 25:26370 (CONF-700601-, pp 161-7)
  - Detection of metal ion hydrolysis by coagulation. VII, 21:5886
- MATILSKY, Terry A. Interstellar Lα absorption in β^1, delta, and π Scorpii, 24:4872
  - Radiative lifetimes of ultraviolet transitions of Ar II, 23:30304
- MATIN, A. Problems of introducing small and medium power reactors to developing countries with particular reference to the creation of a special nuclear fund, 25:28540
  - Relay control of Universities' research reactor, 22:12104
- MATIN, A. S. M. Abdul Susceptibility of different stages of rice weevil to gamma radiation, 22:10822 (AECD/AG-22)
  - Susceptibility of red flour beetle to gamma radiation, 21:32726 (AECD/AG-20)
  - Susceptibility of rice weevil to gamma radiation, 23:6628
- MATIN, Abdul Problems associated with preservation of stored rice in Pakistan, 21:24692 (AECD/RB-5)
- MATIN, M. A. Effect of gamma irradiation on ascorbic acid content of Amritsagar bananas, 23:35632 (AECD/RB-10)
- MATIN, Philip Cerebrospinal fluid scanning and ventricular shunts, 24:21227
  - Combined superior vena cava obstruction and pericardial effusion, 24:17081
  - Radioisotopic angiocardiography: findings in mitral stenosis and mitral insufficiency, 25:11187
- MATIN, S. M. Estimations of magnetic field distributions in three dimensions using two dimensional computer program TRIMM, 25:50501
  - Multipurpose monitor for the beam in an electron synchrotron, 22:32353 (CEAL-2000, pp A152-7)
  - Rf loop monitor for the synchrotron electron beam, 22:46659
- MATINYAN, S. G. A_1rhoπ-vertex and production of A_1-meson in colliding beams, 23:27782
  - Asymptotic theory of interactions between hadrons and atomic nuclei, 24:42992
  - Concerning the transformation of photon pairs into hadrons at high energies, 22:34918
  - Decay and the Veneziano model, 24:13062
  - High-energy deuteron—deuteron interaction and inelastic processes, 25:22847
  - Inclusive processes at large transferred momenta, 25:59444
  - Interaction of hadrons with deuterons at high energies, inelastic processes, and duality, 24:49540
  - Mass difference of K^0/sub S/ and K^0/ sub L/ mesons, mass of W meson, and sum rules for spectral functions, 22:32095
  - Photoproduction of neutral vector mesons at high energies, 22:24594
  - Photoproduction of neutral vector mesons at high energies in the Regge pole model, 23:13057
  - Photoproduction of vector mesons, 24:20117
  - Tadpole mechanism in hadron decays and current commutators, 21:40194
  - Theory of multiple production at high energies, 22:44410
- MATISON, M. J. Evidence for a $T = 0$ three pion resonance at M approximately 990 MeV, 22:1385 (SLAC-PUB-347)
  - Search for $I = 2$ hyperons and study of resonances in K^-d interactions, 22:44337
  - Y^* production in 2.1 and 2.65 GeV/c K^-n interactions, 22:1386 (SLAC-PUB-348)
- MATISON, Maxine Search for charged meson in mass region of 960 MeV, 22:13662
- MATISOO, J. Critical currents and current distributions in Josephson junctions, 23:25248
  - Frequency dependence of the skin depth in superconducting tin, 23:30500
  - Superconducting lines for the transmission of large amounts of electrical power over great distances, 21:23144
  - Tunneling cryotron: superconductive logic element based on electron tunneling, 21:16884
  - Zero-field resonances in oxide Josephson junctions, 23:42149
- MATISOO, Juri Josephson-type superconductive tunnel junctions, 24:21748
  - Novel superconducting laboratory devices. I, 23:12703
- MATITTI, T. Electron cyclotron instability and high-frequency ionization, 23:23124
  - Evidence for a coherent deceleration of an electron beam during the electron plasma frequency instability, 21:27216
  - Low frequency waves in a beam-plasma system, 21:40031
  - Non-linear effects in a beam-plasma system, 21:40032
  - Parameter dependence of low and high frequency instabilities in a beam—plasma experiment, 21:35201 (CONF-670104-Pt.2, pp 447-59)
- MATIUSHENKO, N. N. Dicarbides of europium and other rare-earth metals, 23:32049 (LA-4156-TR)
- MATIVET, J. Absolute calibration of gauges in ultra-high vacuum with an adjustable conductance, 24:48257
- MATIYAMA, Y. Performance of Mitsubishi clinical linear electron accelerator LAS-M, 22:24770
- MATJUSIN, A. T. Spark chambers for measurements of elastic backward scattering of positive pions by protons, 21:17837
- MATKIN, D. I. Fabrication and properties of high strength oxides and oxide composites, 25:8937
  - Processing beryllia powder for sintering to high density, 23:34065

MATKOVIC, B. Crystal structure of potassium dithorium trisphosphate, 23:13722
  Preparation and structural studies of phosphates with common formula M/sup I/M$_2$/sup IV/ (PO$_4$)$_3$ (M/sup I/ = Li, Na, K, Rb, Cs; M/sup IV/ = Th, U, Zr, Hf), 23:142
MATKOVICH, Charles Edward Recoil reactions of ^{11}C in binary mixtures of liquid hydrocarbons, 21:43011 (IS-T-191)
MATKOVICH, Maureen Welling Dependence of the thulium and neodymium 2-hydroxyisobutyrates step-formation constants on ionic strength, 22:4067 (IS-T-208)
MATLACK, G. M. Ion exchange, extraction, separation, and determination of ^{237}Np in $_{23}$Pu, 24:2140
  Measurement of ^{236}Pu in medical-grade ^{238}Pu, 24:5608
  Neutron and gamma radiations from ^{238}Pu, 23:4013
  Neutron and γ radiations from pure ^{238}Pu, 23:28299 (LA-DC-9763)
  Plutonium-238 materials as radioisotopic heat sources, 23:35428
MATLACK, George M. Determination of ^{241}Am in pure Pu using extraction with trioctylphosphine oxide and gamma counting, 21:34279
  Methods of chemical analysis for FBR uranium—plutonium oxide fuel and source materials, 25:26153 (LA-4622)
  Radiation characteristics of ^{238}Pu, 22:4604 (LA-3696)
MATLIS, Ya. V. Corrosion tests on refractory and ceramic materials in metallic Na at 850°C, 25:49500
MATLOCK, David K. Delta and epsilon thermal expansion coefficients and the delta-to-epsilon contraction for some plutonium-rich alloys, 24:42099 (UCRL-72223)
MATLOCK, O. D. Mechanical design and methods for constructing plasma probes, 21:31396 (CONF-661016, pp 355-8)
  Minimum-B configuration in INTEREM facility, 24:24075 (LA-4250, pp G11.1-6)
  Target plasma experiments in INTEREM facility, 22:52724 (CONF-671127, pp 77-97)
MATLOCK, R. G. Criticality hazards control for ZPPR fuel, 23:4372
  Reactivity effects in critical facilities due to fissile isotope decay, 24:7241
  Reactivity worth of Na in ZPR-3 Pu assemblies 48, 48B, and 49, 22:33036
MATLOCK, Rex Leon Statistical model for particle production in antiproton—proton annihilations at rest, 22:24647
MATLOCK, Robert Golden Study of nuclear Coulomb energy systematics, 22:9845
MATLOVA, A. Direct pair production by charged particles at 4 GeV/c in a propane bubble chamber, 25:56467
MATLUK, Mario Magidin Theory of linear sequential circuits over rings, 25:34456 (NP-18834)
MATNEY, Thomas S. Genetic analysis of the histidine operon in Escherichia coli K12, 25:13422
  Host-induced modification/restriction and utilization of 5-bromouracil by thymineless bacteria mutants of E. coli, 24:38678 (ORO-3793-1)
MATOBA, M. Automatic gain control system, 23:43585
  Background in associated-particle time-of-flight technique, 25:37630
  Inelastic scattering of protons from ^{66}Zn, 24:43247
  Level structure of ^{116}Sn and ^{117}Sn from (p,d), (p,t), and (p,p') reactions, 22:30009
  Level structure of ^{66}Zn by (p,d), (p,t), and (p,p') reactions, 22:26986
  Level structure of Sn isotopes by (p,d), (p,t), and (p,p') reactions with 55-MeV protons, 22:27144
  Reactions (α,t) on medium-weight nuclei, 22:27025
  Reactions (p,t) on ^{150} ^{152} ^{154}Sm, 22:27147
  Stabilization of spectrum with no reference peaks, 25:18867
  Standardization of linear circuits in nuclear pulse measuring system, 24:44257
  Transitions l = 3 and 4 in inelastic scattering of protons from ^{66}Zn, 23:40006
MATOBA, Masaru Fast neutron time-of-flight spectrometer, 25:46630
  Inelastic alpha-particle scattering on ^{63}Cu at 29 MeV, 22:41866
  Measurements of the (α,t) reaction, 23:7246
  Reaction (α,t) on medium-weight odd-mass nuclei. I, 22:50595
  Scattering of 34.4-MeV alpha particles by the tin isotopes, 22:39649
  Scattering of alpha particles by medium-weight nuclei, 21:21482 (NSJ-tr-64)
  Single-particle strength of collective 3^- state in medium mass nuclei, 22:53159
  Some improvements in neutron time-of-flight spectrometer for D + T neutrons, 25:51883
MATOBA, Naoya Thyroidolymphography, 23:38673
MATOBA, Tohru Motion and collision of plasma blobs produced by giant pulse laser in a transverse magnetic field, 25:36158
MATOBA, Toshio Effect of pressing with a high-pressure apparatus on WC—Co hard metals, 21:18337
  Sintering of WC powder and WC—Co mixed powder under high pressure, 21:32971
MATOCHKIN, E. P. Production of intense short duration ion current, 22:31783
MATOLCSI, Tamas Application of the hard-pion method to the baryon—meson four-point functions, 25:3401
MATOLICH, J. Inerting of the Battelle-Columbus low-level beta-gamma cell, 22:4413
MATOLICH, J. Jr. Thermal diffusivity measurements of irradiated oxide fuels (LWBR Development Program), 25:29937 (BMI-X-10274)
MATONE, G. Diffusion of system (μ^-p) in gaseous hydrogen, 23:36498 (LNF-69/5)
  Elastic scattering of mesoatoms on H and on deuterium, 21:13379
  Measurement of muon nuclear capture rate in μp mesoatom, 21:46470
  Measurement of the transfer rates of muons from hydrogen to xenon and some other monoatomic elements, 21:13380
  Muon capture in gaseous hydrogen, 23:18792
  Possible test of C conservation in decay of positronium, 24:33032 (LNF-70/11)
  Special system of proportional counters to be used as a high pressure gas target without walls, 21:45418
MATORA, I. M. Acceleration of electrons to 30 MeV in microtron with rectangular resonators, 22:9738
  Cathode of lanthanum hexaboride for microtron, 22:52243
  Correlation of microtron resonator with the wave-guide track, 24:15741
  Determination of the energy loss of relativistic electrons in thick lead and tungsten targets, 25:49963
  Electrical strength of accelerating resonator of high-current microtron, 23:17019 (JINR-P9-4206)
  Electron-beam shaping in a linear induction accelerator, 25:14856 (UCRL-Trans-1425)
  Investigation of the screened earth magnetic field by using the inductor permalloy core of the linear induction accelerator, 23:42037 (JINR-P9-4498)
  Magnetic systems for transportation and accumulation of slow neutrons, 25:53491 (JINR-P3-5902)
  Matching of microtron resonator with waveguide, 22:9717 (JINR-P9-3567)
  Neutron-optical properties of the six-pole magnet considering the effect of gravity, 25:25560 (JINR-P3-5537)
  Problem of coffinite (U silicate mineral), 24:6804
  Pulsed reactor of the laboratory of neutron physics in the Joint Institute of Nuclear Research, 21:19485
  Some possibilities in the neutron optics, 23:13181 (JINR-P3-4087)
  Theory of a linear induction accelerator, 24:1718
  Theory of linear induction accelerator, 21:25157 (JINR-P9-3184)
  Vhf waveguide structure of 30-MeV microtron, 21:46626
MATORINA, N. N. Determination of conditions of the chromatographic separation of rare earth elements on the basis of equilibrium and kinetic data, 24:14017
  Influence of salt composition of KU-2 cation resin on rate of interdiffusion sorption processes in rare earth elements, 21:40974
  Sorption of rare earth elements in presence of polyamino-polycarboxylic acids, 22:23022
MATOS, J. Backward $\pi^-p \rightarrow K^0\Lambda$ scattering, 23:27806
  Test of (rho,A$_2$) exchange degeneracy, duality, and secondary trajectories from (KN, anti KN) charge-exchange reactions, 24:5306
MATOS, James E. Empirical analysis of the differences and sums of the kaon-nucleon angular distributions, 25:59477
MATOS, M. H. Radiation effects on copper oxidation in human serum, 21:41314 (LFEN-57)
MATOS DIAS, J. M. Uranium deposits in Portugal, 25:18537
MATOSIC, M. Cellular proliferation during acute homologous disease, 24:11982
  Cytological analysis of chimaerism in rats irradiated during foetal life, 22:6893
MATOUCH, O. Changes in the mitotic activity of the epithelium of the small intestine of piglets after whole-body irradiation with x-rays, 23:35885
MATOUS, G. M. Reactions ^{19}F(^{3}He,^{3}He)^{19}F and ^{19}F(^{3}He,α)^{18}F and states in ^{18}F at 3.06 and 3.13 MeV, 21:9940
MATOUS, J. Solubility of carbon dioxide in heavy water at pressures up to 40 atm, 25:18418
MATOUS, K. Polarographic method of determining uranium in the presence of iron, 25:57321
  Radiometric determination of uranium in the presence of iron, 25:20944
MATOUSEK, J. Problem of the relation between the amount of dust and radioactive aerosols in atmosphere, 21:41028
MATOUSEK, J. F. Safety analysis report on Argonne Advanced Research Reactor, 22:37526 (ANL-7448)
MATOUSEK, V. Comparison of colony-forming performance of bone marrow cells in syngeneic and allogeneic cellular environment within a single host, 25:26670
MATOUSKOVA, J. Induced radioactivity of atmosphere in period of 1966—1968, 23:40881
MATOUSKOVA, Jirina Induced radioactivity of ground-level air in Prague—Bulovka from Oct 1968—Dec 1969, 24:41435
MATOVAROV, V. A. Neutron-diffraction investigation of radiation-induced ordering in Ni$_3$Mn and Ni$_4$FeMn alloys, 21:24815
MATRAI, T. Point dynamic model for the causal interpretation of wave mechanics, 25:17335
MATRAS, S. Attack on cladding of EBR-II driver fuel element C-249-16, 23:45078 (ANL-7537)
MATREYEK, W. Etching of irradiated polyethylene with fuming nitric acid, 22:12380
MATRICON, J. Superheating fields in superconductors, 21:16881
MATRICON, Marcel Improvements in chemical reactors, 21:34285
MATRONOLA, V. Anatomic—radiographic considerations of neuroblastomas, 22:49448
  Arterial pressure of tumor bearers in initial phase of exposure to ionizing radiation, 22:28651
  Modification of blood sugar levels in tumor patients during radiotherapy, 21:26605
MATSAKOVA, A. A. Investigation of the superconducting properties of alloys with a niobium base, 22:31766
  Phase diagram of the niobium—tin system, 21:9514
  Superconductivity of V$_3$Ga, 21:9517
  Width of homogeneity region of intermetallic phases in Nb—Sn and V—Ga, 21:3775
MATSANIOTIS, N. Case of a partial defect of the iodide trapping mechanism, 24:25372
MATSCHAT, Elke Sliding friction and wear of pure metals under vacuum of 5 x 10^{-6} torr, 25:11413
MATSCHKE, G. H. Development and radioresponse of the prenatal bovine testis, 24:2801
MATSCHKE, George Herman Gametogenesis and radiation effects in prenatal bovine testis, 24:7992
MATSCHKE, S. Physical and technological principles of irradiation schemes, 25:24282
MATSCHKE, Siegfried Integral dose and relative tumor dose in tumor therapy. I, 23:20223
  Interrelationship between cell survival, radiation portals, and dose gradients, 25:13451
MATSELYUKH, B. P. Mutagenic effect of ethyleneimine, nitrosomethylurea, and uv light on Actinomyces olivaceus, 24:48511
MATSEN, F. A. Quantum-mechanical study of F^{1}PI/sub u/ and f^{3}PI/sub u/ states of He$_2$, 23:30307
  Spin-free quantum chemistry. IX, 25:43163
  Spin-free quantum chemistry. X, 25:43164
MATSEN, Frederick Clinical comparison of two /sup 99m/Tc tracers for brain scanning: pertechnetate vs. labeled albumin, 25:37844
MATSEN, R. P. Analysis of U fuel irradiated in Yankee reactor, 23:37442
  Analysis of Yankee—Rowe burnup data, 23:43006 (BNWL-1122)
  Burnup data from UO$_2$—0.48 wt percent PuO$_2$ fuel, 24:46123 (BNWL-1488)
  Chemical reprocessing plant accountability data, 24:31467
  DBUFIT-I: least squares analysis code for nuclear burnup data, 24:33482 (BNWL-1396)
  Destructive and nondestructive burnup data from natural UO$_2$ fuel, 25:37015 (BNWL-1568)
  EBWR burnup data, 23:26046 (BNWL-978)
  Effects of uncertainties in nuclear data on experimental and calculated reactor burnup, 22:20906 (BNWL-SA-1485)
  Evaluation of isotopic dilution method used for destructive analysis of irradiated fuels, 23:19658 (BNWL-CC-669)
  ISODIL: a computer code for processing isotopic dilution measurements from spent fuel samples, 25:20925 (BNWL-1555)
  Methods used for burnup analyses, 21:27828 (BNWL-SA-1168)
  Physics of burnup of plutonium fuels in thermal reactors, 25:41623
  Safeguards value of chemical plant measurements relating to burnup: Yankee Cores V and VI, 24:38988 (BNWL-1473)
  Technique for the determination of ratios of effective cross sections from reactor fuel burnup data, 22:25142
MATSEN III, Frederick A. Indium-113m-chelates compared with /sup 99m/Tc-sodium pertechnetate in cerebral lesions, 24:12148
MATSEVICH, G. R. Smallpox vaccine inactivated by gamma rays, 25:39802
MATSEVITYI, V. M. Structure and properties of niobium monocrystals after low temperature rolling and annealing, 25:40028
MATSIBORKO, N. G. Electron trapping in a betatron, 25:22941
  Nonlinear theory of excitation of plasma wave by electron beam, 25:14311
  Nonlinear theory of interaction of relativistic and nonrelativistic beams with plasma, 25:38429 (CONF-710607-61)
MATSKEVICH, G. V. Investigation of water coolant purification in first circuit of Novo Voronezh Power Reactor with ion-exchange filters, 24:5711
  Purification of highly mineralized radioactive water in installations with evaporators in the atomic power stations, 22:18904
MATSKEVICH, T. L. Thermoelectron emission of pyrolytic covers from ZrC and W, 23:51056
MATSKO, J. Calculation of the vapor pressure in desiccated-multicomponent systems, 25:37223 (SC-DR-710074)
MATSKO, John Transparent yttrium oxide ceramics, 22:4855
MATSKO, R. M. Drive study for the low-capacity sodium pump, 24:11724 (WARD-3762-6)
MATSON, L. K. High temperature reactions of group VI-A metals with lutetium and four refractory metals, 24:29912 (MLM-1720)
  Polonium-210 isotopic fuel form data sheets, 23:6091 (MLM-1563)
MATSON, R. H. Strength and behavior of prestressed concrete vessels for nuclear reactors, 24:20554 (TID-25367(Vol.2))
MATSON, Wayne R. Halogen composition of aerosol particles, 24:106
MATSONASHVILI, B. Ya. Radioisotope viscosimeter for measurements over wide ranges of temperatures and pressures, 25:51923
MATSOUKAS, D. A. Simultaneous sudden frequency deviations and sudden enhancements of the total electron content of the ionosphere, 25:58901
MATSOUKAS, Demetrius Electron content measurements during May 20, 1966 solar eclipse, 24:1318
MATSOUKAS, Dimitris 40 MHz ionospheric scintillation and the sporadic-E layer, 24:45122
MATSSON, Eva Mutant of E. coli, 23:24593
MATSSON, L. Momentum space of three free particles, 25:25353
  Neutretto mass and the radiative corrections to the muon decay, 24:20123
MATSSON, Leif Radiative corrections to muon decay, 24:1555
MATSUBARA, C. Brueckner—Goldstone many-body theory for the hyperfine structure of P, 22:52543
  Many-body theory for time-dependent perturbations in atomic systems, 23:8475
MATSUBARA, Ikuko Determination of Sn in Sn metal and in Zircaloy by precise coulometric titration, 25:31816

- MATSUBARA, K. The wear properties of high-density polyethylene irradiated by gamma rays, 21:39708
- MATSUBARA, Kiyoshi Rolling friction of high-density polyethylene irradiated by γ-ray, 24:42305
- MATSUBARA, S. Chromosome constitution and its bearing on the chromosomal radiosensitivity in man, 25:24118
- MATSUBARA, Sho Chromosomal damages in circulating lymphocytes induced by therapeutic irradiation, 25:4491
- MATSUBARA, Tadao Studies on analysis of rare earths. II, 25:26168
  - X-ray excited optical luminescence analysis of trace rare earths in high purity yttrium and gadolinium oxides, 25:12948
  - X-ray excited optical luminescence analysis of trace rare earths in high-purity yttrium and gadolinium oxides, 25:28961
- MATSUBARA, Takeo Measurements of lattice parameters with a single fuel assembly, 24:4160
  - Review of research and development in Japan on safeguards for nuclear materials in fabrication plants, 25:51746 (A/CONF.49/P-265)
- MATSUBAYA, O. Vapour pressure of $H_2{}^{18}O$ ice, 23:17534
- MATSUBAYA, Osamu Isotopic study on meteoric precipitation, 23:19866
- MATSUDA, Akitada Analysis of drugs by radioisotopes. V, 23:40569
- MATSUDA, Fukuhisa Fundamental investigations on solidification structure in weld metal, 25:42820
- MATSUDA, H. Atomic mass determinations. I, 23:20068
  - Influence of a toroidal electric fringing field on the trajectories of charged particles in a third order approximation, 25:20139
  - Influence of inhomogeneous magnetic fringing field on trajectories of charged particles, 24:10884
  - Neutron activation for ^{53}Mn in meteoritic iron, 23:37927
  - Third order transfer matrices of the fringing field of inhomogeneous magnet, 24:13257
- MATSUDA, Hideharu Cobalt-60 irradiation facility, 24:31571
- MATSUDA, Hideki Low background counter for the measurement of ultra low radioactive materials, 25:23797
  - Manganese-53 produced by 730 MeV proton bombardment of Fe, 25:21064
  - Radioactivities in achondrite and chondrite in Japan, 23:45405
- MATSUDA, Hiroyoshi Simulator for BWR type Tsuruga nuclear power station, 25:3933
  - Simulator for training operator of nuclear power station, 23:11371
- MATSUDA, Hisashi Atomic masses of ^{1}H, ^{16}O, and ^{32}S, 23:3935
  - Charged particle analyzer of magnetic and electrostatic sector type, 25:56606
  - High resolution mass spectrometer with multi-stage fields, 21:304
  - Mass ^{40}Ca—^{40}Ar difference measurement, 23:3980
- MATSUDA, Jinsaku Device for containment of a high temperature plasma, 22:5312
  - High temperature plasma generator, 22:5385
  - High-temperature plasma generator, 21:7290
  - Momentary magnetic field generator, 21:23157
- MATSUDA, K. Conference on direct reactions with ^{3}He, Tokyo, 9/67, 22:39683 (CONF-670970)
  - Design of a nuclear reaction particle analyzer, 22:6636
  - Elastic scattering of ^{3}He particles on Ca, 24:20373
  - Electrical detection system for broad-range magnetic spectrometers, 21:32406
  - Excitation of some sd-shell nuclei by inelastic scattering of 55-MeV protons, 22:27016
  - Magnetic analyzer system for the INS Tokyo synchrocyclotron, 21:27492
  - Search of states excited by spin-flip interactions with 55-MeV protons in sd-shell nuclei, 22:27014
- MATSUDA, Katsuhiko Effects of fabrication conditions on mechanical properties of Zircaloy tubes, 25:42860
- MATSUDA, Kazuhisa Cross sections of the reaction $^{12}C(^{3}He,p)^{14}N$, 23:8941
  - Elastic and inelastic scattering of 55 MeV protons from ^{60}Ni, 21:7752
  - Inelastic proton scattering from ^{90}Zr and ^{92}Zr, 21:38331
  - IPCR cyclotron, 22:5691
  - Reaction $^{15}N(p,\alpha)^{12}C$ in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
  - Reaction $^{91}Zr(p,p')$ at 14.52 MeV, 24:8916
  - Reactions (^{3}He,p), 24:20321 (JAERI-1184, pp 79-82)
- MATSUDA, Kohji Energy spectrum of electrons in polystyrene, 22:8117
  - Energy spectrum of electrons in polystyrene, 22:43853 (AEC-tr-6937, pp 6-11)
  - Multiplication of Compton electrons in polyethylene, 21:19687
  - Multiplication of Compton electrons in polyethylene, 22:8090 (AEC-tr-6908, pp 10-17)
  - Number transmission of fast electrons through finite slabs of carbon and polystyrene, 21:19634
  - Number transmission of fast electrons through finite slabs of carbon and polystyrene, 22:8043 (AEC-tr-6908, pp 6-9)
- MATSUDA, Koji Optical radiation from gases excited by high-energy electrons. I, 23:18376 (JAERI-5018, pp 63-4)
  - Optical radiation from gases excited by high-energy electrons. III, 25:10586 (JAERI-5026, pp 155-7)
  - Optical radiation from gases excited by high-energy electrons. II, 25:10585 (JAERI-5026, pp 153-5)
  - Radioinduced thermoluminescence. I, 23:17459 (JAERI-5018, pp 61-2)
  - Study of energy loss function of electrons by vacuum ultraviolet technique. I, 24:11575 (JAERI-5022, pp 165-8)
  - Tunneling of low-energy electrons and electric properties of metal-thin polymer—metal system. I, 24:11576 (JAERI-5022, pp 169-74)
- MATSUDA, Kunio Treatment of hyperthyroidism with ^{131}I, 22:31196
- MATSUDA, Kyoko Collision damping of longitudinal plasma waves, 23:30594
  - Equilibrium correlation functions for a two-component plasma, 22:17673
  - Test particle method in kinetic theory of a plasma, 23:34425 (N-69-22149)
  - Test particle method in kinetic theory of a plasma, 24:26202
- MATSUDA, Masamichi Sodium test facility, 25:4191
- MATSUDA, Masanori Quark counting additivity sum rules, 25:17474
- MATSUDA, Michinori Fetal hazards due to x-ray diagnosis during pregnancy, 22:40903
- MATSUDA, Naoe Heat insulator for the reactor pressure-vessel, 22:53475
  - Irradiation device, 22:37548
  - Spacers for the heat-insulating plates of a reactor pressure vessel, 23:9252
- MATSUDA, Nisaku Device for producing high-temperature plasma, 24:8476
  - High-temperature plasmas in scalloped-torus-type assembly, 24:45227
- MATSUDA, S. Calculation of low-energy S-wave pion—pion interaction from K/sub 34/ decay using charge commutation relations, 22:15781
  - Current algebra, infinite momentum, and sum rules, 23:23514
  - Derivation of intermultiplet mass formulas from the chiral SU(3) x SU(3) charge algebra, 23:3785
  - Intermultiplet mass formulas for octet bosons and splitting of K**(1420), 23:25618
  - K/sub l3/ decay form factors and the current algebra, 22:34935
  - Partially conserved axial-vector current, charge commutators, off-mass-shell correction, and the broken SU(3) symmetry, 21:37897
  - Plasma confinement in the JAERI hexapole with high toroidal field, 25:38328 (CONF-710607-6)
  - Regge pole residues near $\alpha = 0$ in presence of fixed pole effects, 24:26442
  - Resonance saturation of axial charge commutators, SU(3) symmetry, and scalar mesons, 21:37787
  - Scaling, fixed poles, and duality of electromagnetic currents in the dynamical resonance model, 25:50101
  - SU(3) symmetry breaking and the Cabibbo angle, 23:23520
  - Sum rules from charge—charge—density and charge—charge commutators, 22:44416
  - Sum rules involving the rho and A_1 mesons and the $A_1 \rightarrow \rho + \pi$ decay, 23:3714
  - Symmetry and factorization properties of N-point dual amplitudes, 24:28629
  - Violation of the ΔI absolute value = $^{1}/_{2}$ rule in the K/sub 3π/ decay, 24:18252
- MATSUDA, Satoshi Asymptotic behavior of electroproduction amplitudes for one hadron, 24:37687
  - Complex-l-plane singularities in the Veneziano formula, 23:36924
  - Factorization properties of the dual resonance model, 24:6699
  - Generalized superconvergence relations as a guide to high energy scattering of hadrons, 22:39358 (CERN-68-7(Vol.1), pp 441-59)
  - Ghost-eliminating zeros in Regge-pole model, 21:44446
  - Gribov—Pomeranchuk pole in Regge-pole residues, 25:9893
  - Hadron electrodynamics in the resonance model, 25:59386
  - New sum rules and singularities in complex J plane, 21:21247
  - Possible zero at a wrong-signature sense point in backward $\pi^- p$ elastic scattering, 22:44447
  - Quark spin and duality, 24:37737 (CALT-68-260)
  - Representation mixing and sum rules for magnetic moments from current commutation relations, 21:17154
  - Simple statistical model for multiple-meson production, 21:922
  - Some consequences from superconvergence for πN scattering, 22:5582
  - Superconvergence condition and Okubo's ansatz, 21:40211
  - Superconvergent bootstrap of vector and tensor Regge trajectories, 22:34966
  - Superconvergent bootstrap, exchange degeneracy, and fixed singularities in the complex j-plane, 23:23450
  - Uniqueness of Veneziano representation, 24:8630
- MATSUDA, Seisaku Asymptotic SU(2) symmetry. I, 24:40440
  - Asymptotic SU(3) and SU(2) symmetries, 25:17544
  - Asymptotic SU(3) symmetry and baryon couplings, 24:45571
  - Asymptotic symmetries and hadron system, 24:45491 (IC-70/76)
  - Asymptotic symmetry, particle mixing, and K/sub l3/-decay branching ratios, 24:37836
  - Baryon mass spectra and baryon couplings, 24:28538
  - Boson spectra, F/sub K/F/sub π/, and sum rules, 24:8609
  - Two-photon decays of π^0, eta^0, and eta'^{0}(958) in broken SU(3) symmetry, 24:13004
- MATSUDA, Shinzaburo Analysis of linear helical Heliotron field, 24:6557
  - Average minimum Heliotron magnetic field with inner ring conductors, 22:22133
  - Plasma confinement in Heliotron field with buried ring conductors, 24:35377
  - Plasma confinement in Heliotron P field. II, 23:25287
  - Plasma confinement in the Heliotron-P field, 23:18589
- MATSUDA, Shoji X-ray fluorescence spectrometric determination of yttrium by solution method, 21:1293
  - X-ray-fluorescence determination of rare earths, 21:40797
- MATSUDA, Shunji Cumulative ground deposit of ^{137}Ce in Japan, 22:40707
  - Deposition and translocation of the radioactive fallout, 25:10718
  - Radioecology of ^{137}Cs and ^{90}Sr in forest, 24:36684
- MATSUDA, Susumu Role of antioxidants in inducing mortalities of mice and dogs due to ^{198}Au hemorrhagic shock, 22:15040
- MATSUDA, T. Red cell survival of ACD and ACD-adenine preserved blood, 23:20126
- MATSUDA, Tadayoshi Electron dose distributions near the body surface, 23:43764
- MATSUDA, Takashi Theory of nonleptonic decays, 23:39771
- MATSUDA, Takayoshi Red cell equilibration in liver tissue during experimental shock, 25:485
  - Three-year experience of betatron therapy. III, 23:29859
- MATSUDA, Takeshi Pressure effect of the Hall coefficient of In and In rich alloys, 25:17316
- MATSUDA, Takuya Cooling of pre-galactic gas clouds by hydrogen molecules, 24:4979
  - Dissipation of primordiil turbulence in the expanding universe, 24:46987
  - Evolution of galaxies and secular variation of cosmic rays, magnetic fields, and turbulence, 24:46972
  - Formation of H_2 and galaxies in hot universe, 23:39267
  - Galaxy formation and primordial turbulence in the expanding hot universe, 24:46984
  - Hydrodynamical behavior of gas spheres, 24:42498
- MATSUDA, Tatsuo Gamma induced polymerization of 1,1,2-trichlorodienes, 23:33239
  - Gamma-induced polymerization of fluorine-containing pentadiene, 25:41848
  - Gamma-ray-induced polymerization of fluorine-containing pentadiene, 25:34633
  - Method for the production of chlorine-containing cyclic ethers, 21:12487
  - Radiation-induced polymerization of 1,1,2-trichlorobutadiene, 22:4168
  - Radiation-induced polymerization of 1,1,2-trichlorobutadiene, 24:2246
  - Radiation-induced reaction between 1,2-butylene oxide and chloroethylenes, 24:31378
  - Radiation-induced solution polymerization of bis(β-chloroethyl) vinylphosphonate, 22:18846
  - Synthesis of 1,1,2-trichlorobutadiene-1,3, 23:9470
  - Vapor-phase graft copolymerization of vinyl chloride and vinylidene chloride on polypropylene, 22:42754
- MATSUDA, Y. Isotope separation by liquid-gas chemical exchange, 21:12498 (JAERI-1115)
  - Repeated pulse activation analysis for measurement of short half-life radionuclides, 23:37922
- MATSUDA, Yasuhiko Electron loading in the accelerating tube of the electrostatic accelerator, 24:15745
- MATSUDA, Yasuo Universality of quark interactions, 25:40962
- MATSUDA, Yatsuka Activation analysis of airborne dust, 24:38785
  - Activation analysis of airborne dust, 25:31854
  - Activation analysis of polluted river water, 25:31852
  - Activation analysis of river-water, 24:38786
  - Age determination of nuclear debris, 23:33272
  - Dosimetry of high energy x-rays, 23:35524
  - Measurement on adsorption of sodium by HAP with a Ge(Li) detector, 24:39010
- MATSUDA, Yoshihiro Characteristics test of KUR radiation monitors. I, 23:2557 (KURRI-TR-23)
  - Log of interior radioactive monitoring. I, 23:15965 (KURRI-TR-1)
- MATSUDA, Yoshio Production of saddle-shaped superconducting magnet, 23:30457
- MATSUDA, Yuji Origin of H gas released from UO_2, 24:48890
  - Temperature dependence of gases released from UO_2 pellets with polyvinyl alcohol binder, 24:46232
- MATSUDAIRA, Hiromichi Effects of x-irradiation on synthesis of labeled RNA in tumor, 22:30957
  - Increase in incorporation of ^{3}H-thymidine triphosphate into DNA of nuclei isolated from Ehrlich ascites-tumour cells irradiated in vivo, 25:46715
  - Metabolism of Ehrlich ascites tumor cells under anoxia, 25:42632
  - Molecular weight of Na, K-ATPase approximated by radiation inactivation method, 22:33767
  - Possible requirement of adenosine triphosphate for the rejoining of x-ray-induced breaks in the DNA of Ehrlich ascites-tumor cells, 24:34135
  - Rejoining of x-ray-induced breaks in DNA of Ehrlich ascites tumour cells, 23:24520
  - Rejoining of X-ray-induced breaks in DNA, 24:7740
  - Sulfhydryl content of rat ascites hepatomas with different sensitivity to x rays and N mustard N-oxide, 22:31272
- MATSUDAIRA, Masamichi Diverging collimator, 24:33913
  - Intravenous radioisotope angiography, 23:6515
  - Isosensitive radioisotope scanning, 21:10972
  - Medical universal human counter. IV, 22:33655
  - Reaction (γ,n) induced by 26-MeV x rays, 24:2753
  - Simultaneous performance of isosensitive scanning and bilaminoscanning, 21:10973
  - Using digital-computer circuitry for multinuclide scanning, 23:38669
  - Xenon-133-rebreathing technique using the scintillation camera, 22:45302
- MATSUDAIRA, Yoriaki Bearing of fractional-body mutations on the mutational load, 22:36225
  - Relationship between mutation and x-ray doses in Drosophila, 21:36541
  - The bearing of fractional-body mutations on the mutational load, 22:36243
- MATSUGUMA, Kiso Development of RI-methanometer. II, 21:17904
- MATSUHARA, Takeo Method of neutron-spectrum shift, using a gap in fuel channels, 22:7906

MATSUHASHI, Sachiko Three cistrons in bacteriophage Qβ, 25:13386
MATSUI, A. Observation of plasma resonance at 790 A in reflection from thin Zr films, 24:37562
MATSUI, H. Effects of acridine orange on the biological action of gamma-ray, 25:8707
MATSUI, Hiroo Recent state of the pumps for atomic energy, 25:51677
MATSUI, Hiroshi Airborne fission products released during cutting of irradiation fuels, 23:35338
  Automatic analysis of internal-conversion electron spectra with an electronic computer, 23:23752 (KURRI-TR-14)
  Conference on β- and γ-rays and their instruments, Kyoto Univ., 6/67, 23:9730 (KURRI-TR-41)
  Determining activity and size distribution of β-emitting dust particles using autoradiography, 25:16122
  Measurements of γ rays from external conversion, 23:37288 (KURRI-TR-10, pp 138-49)
  Radioactive intensity of the neogene tertiary in the vicinity of Shibata City, Niigata Prefecture, 22:8216
  Radioactive surface contamination data in controlled working areas, 24:2683
  Radioactivity level of neogene tertiary in the vicinity of Shibata City, Niigata Prefecture, 21:36164
  Radiometric survey at southern foot of Mt. Obora, Mie prefecture, 25:57566
  Studies on analysis of rare earths. II, 25:26168
  Technique for determining activity and size distribution of β emitting particles by autoradiography, 25:42051 (JAERI-13718)
  X-ray excited optical luminescence analysis of trace rare earths in high purity yttrium and gadolinium oxides, 25:12948
  X-ray excited optical luminescence analysis of trace rare earths in high-purity yttrium and gadolinium oxides, 25:28961
MATSUI, Hiroyuki Photographic apparatus for the bubble chamber tracks, 25:51901
MATSUI, I. Laser linac with grating, 22:37266
MATSUI, Isao Charged-particle source device, 24:13228
  Design of an electron linear accelerator for industrial use, 25:3483
  Device for producing pulsed magnetic field, 23:49254
  Phase analyzer of bunched electron beam, 23:13175
  Power source for charged-particle devices, 22:9753
  Pulsed charged-particles device, 21:7272
MATSUI, K. Neutron irradiations of silicon studied by ^{57}Fe Moessbauer effect, 25:56326
  Rationale and biochemistry of tritiated thymidine as a cell label, 23:11970 (CONF-671111-, pp 621-32)
MATSUI, M. Studies of radiation chemistry and biology with the IPCR 160 cm cyclotron, 25:16042
MATSUI, Masaaki Precipitation sequence in Cu—Be alloys, 25:45082
MATSUI, Masakazu Coprecipitation and the spectrophotometric determination of uranium as dibenzoylmethane chelate, 23:26
  Effect of carboxylic acid on solvent extraction of Eu(III) with BFA, 23:40836
  Fluorometric determination of Eu, 23:28682
  Radiometric determination of perchlorate, 24:22602
  Spectrofluorimetric determination of Eu and Sm, 23:31291
  Synergistic effect in solvent extraction, 22:8178
  Synergistic effect in solvent extraction of Sc β-diketone TOPO system, 23:26350
MATSUI, Masao Radiation chemical studies with cyclotron beams. I, 24:20801
  Radiation chemical studies with cyclotron beams. II, 25:6366
  Radiolysis of tetrahydrofuran, 24:11588
MATSUI, Minoru Diffusion of Ba in various carbons, 23:22662
MATSUI, Mizuo Protective effect of urocanic acid eye drops against the ocular inflammation induced by ultraviolet radiation, 23:4999
MATSUI, S. Optics of high-efficiency electron guns, 21:20765
MATSUI, S. P. Nucleic acids in x-irradiated rats treated with sodium gallate, 24:50713
MATSUI, Sei-ichi Enzyme inactivation with ultraviolet laser energy (2650 Angstroms), 25:4461
MATSUI, Shigeo Ion beam device for processing and penetration range study, 24:30133
MATSUI, Sumio Change of lymphatic system after irradiation on neck. I, 25:47003
  Experimental studies on change of maxillo-oral lymphatic system after telecobalt irradiation on the neck. II, 25:42662
MATSUI, T. Normal-state specific heat of niobium—tantalum alloys, 23:32278
MATSUI, Takao Gamma-radiolysis of aqueous boric acid solution, 23:24233
MATSUI, Tsuneo Fission electric cell, 22:45289
  Measurement of the void coefficient of reactivity, 22:20925
MATSUKA, G. Kh. Action of x-rays on acceptor activity of soluble RNA of Azotobacter, 22:23421
MATSUKAGE, Akio Formation and splitting of uracil dimer in transfer RNA, 23:20118
MATSUKAWA, Takashi Radiosensitivity of uterine cervical cancer, 23:41386
MATSUKAWA, Yoshinobu Experiment of linear turbulent heating of plasma, 22:15511
  Measurement of x rays from a plasma by Si(Li) detector, 25:52806
  X rays from a plasma in a mirror field heated by linear turbulent heating, 22:52764
MATSUKI, S. Method for preparing thin films of deuterated polyethylene, 25:43759
  Scattering of deuterons and alpha-particles by ^{6}Li and ^{7}Li, 23:34731
  Structure of ^{6}Li and ^{7}Li in excited states, 22:26884
MATSUKI, Seishi Continuous energy spectra of protons and alpha particles emitted by the deuteron and alpha particle reaction, 21:15482
  Disintegration of ^{7}Li and ^{6}Li by 29.4-MeV alpha particles, 22:35229
  Transistorized circuits for the fast coincidence experiments, 23:41025
MATSUKUMA, Kazuma Applications of industrial materials for nuclear power, 23:8145
MATSUKUMA, Yoshifusa Trial construction of a methane meter employing a radioisotope, 21:16215
MATSUKURA, Shigeru New phenomenon of usefulness in the radioimmunoassay of plasma adrenocorticotropic hormone, 25:26675
  Radioimmunoassay of protein hormones, 24:31776
MATSUMIYA, Akira In vivo dosimetry, 25:21706
MATSUMIYA, J. Fabrication and recurring inspection of nuclear reactor steel pressure vessels in Japan, 22:30805
MATSUMOTO, A. Pulse radiolysis of liquid amides, 25:44397
MATSUMOTO, Akira Cobalt-60 gamma-radiolysis of liquid formamide, 24:13898
  Extraction of Eu with di(2-ethylhexyl) phosphoric acid, 25:29185
  Separation factors in a europium chloride—samarium chloride—neodymium chloride—di(2-ethylhexyl)phosphoric acid system, 25:57543
  Ultramicroautoradiography of the psittacosis agent (6BC) in cell cultured, 22:28332
  Waste management in foreign countries, 25:6528
MATSUMOTO, Aribumi Motor-driven manipulating device, 22:35988
MATSUMOTO, D. D. ZODIAC(2 + 2), 21:38740 (BNWL-459)
  ZODIAC-G: a code for multigroup, multiregion burnup calculations, 25:34420 (BNWL-1559)
MATSUMOTO, H. Hydromagnetic wave instabilities in a nonneutral plasma—beam system, 22:26308
MATSUMOTO, Hideki Factorization and duality of multiloop diagrams, 25:3443
  Magnetic moments of leptons and the leptonic boson, 23:25585
  Reggeization of Bethe—Salpeter scattering amplitudes, 25:17595
MATSUMOTO, Hideo Soft x-ray therapy. I, 25:46941
MATSUMOTO, Hikoharu Hematological effects of internal irradiation with ^{32}P in mice. III, 21:6478
  Hematological effects of internal irradiation with ^{32}P in mice. II, 21:11018
MATSUMOTO, Hiroaki EPR and optical studies on γ-irradiated $CdCl_2$:Ag and $MgCl_2$:Ag, 21:22004
  Optical and EPR studies on irradiated $CdCl_2$: Ag, 23:31376
MATSUMOTO, Hiroshi Convective beam cyclotron instability and discrete vlf emissions in the magnetosphere, 25:30357
  Linear and nonlinear cyclotron instability and VLF emissions in magnetosphere, 25:40497
  Note on a generation mechanism of background hiss of polar chorus, 25:30358
MATSUMOTO, K. Preparation of ceramic fuels in PNC, Japan, 25:16562 (NP-18650)
  Promoting chemical reactions by radioactive inert gas, 24:19014
MATSUMOTO, Katsumi Housing building for D_2O critical assembly, 25:20802
MATSUMOTO, Kazuki Radical sites in crystalline texture of irradiated polypropylene, 23:45320
MATSUMOTO, Kazuo Photo-physicochemical behavior of iron and chromium compounds, 22:45065
MATSUMOTO, Keiko Electrons in irradiated aqueous solution of sodium hydroxide, 23:45340
MATSUMOTO, Keishi Successive stress relaxation observed on molybdenum polycrystals in pre-yield region, 21:28766
MATSUMOTO, Ken Thin foil-type electron beam monitor for 6 MeV linear accelerator, 22:44554
MATSUMOTO, Kenichi Calculation program MIVOID for structure change of oxide fuel, 24:3050
  Irradiation behavior of the mixed oxide fuels. I, 25:783
  Research and development of fuel for liquid metal fast breeder reactor, 25:19275
MATSUMOTO, Masakichi Reactor fuel-element, 21:10227
MATSUMOTO, Masamichi Duhamel's principle in the nonstationary radiation field, 22:52906
MATSUMOTO, Masateru Determination of ash in coal by means of two radiation sources, 22:6267
MATSUMOTO, Masayoshi Reactor fuel element, 21:23762
MATSUMOTO, Michio Anomalous diffusion arising from drift instability in a cylindrical plasma, 21:15100
  Magnetized positive column in turbulence, 23:32416
MATSUMOTO, O. Preparation of tantalum nitride by means of nitrogen plasma jet, 22:15237 (MLM-1475(tr))
MATSUMOTO, R. In-line boron analyzer for WR-1, 23:17244 (AECL-3137)
MATSUMOTO, Ryuichi Turbulent heat transfer from slurry with internal heat generation, 21:43152
MATSUMOTO, S. Atomic mass determinations. II, 23:20069
  Photoproduction of N*(1236) from H, 22:24513 (INSJ-107)
MATSUMOTO, Saburo Fluorescent x-ray analysis of tin and zirconium in aluminum alloys, 25:10441
MATSUMOTO, Seikichi Swimming pool type research reactor, 22:14279
MATSUMOTO, Shigehiko Displacement velocity of calefaction point in the emergency cooling for reactor fuel elements, 25:1901
MATSUMOTO, Shinji Radiation-sensitive mutant in yeast, 21:20124
  Temperature dependence of mortality rate of radiosensitive strains of E. coli and S. cerevisae, 24:48749
MATSUMOTO, Shoichi Manufacturing radiation indicator of plastics material, 24:39371
  Plastic for radiation dosimetry, 22:21365
  Plastic radiation indicator and its manufacturing process, 25:23863
MATSUMOTO, Shuichi Erythropoiesis and Co. II, 21:10733
MATSUMOTO, Takaaki Analysis of pseudo-mode in space-dependent neutron thermalization, 25:23408
  Backscattering of gamma rays from polyethylene, aluminum, and lead slabs, 22:17719
  Influence of cold neutrons on neutron wave propagation experiments, 23:5748 (KURRI-TR-36)
  Propagation of neutron waves in C—U system, 25:45878
  Source-transient region of neutron waves in multiplying systems, 24:50220
MATSUMOTO, Takuya Radiation breeding of domestic fowls. IV, 23:35896
  Radiation breeding of the domestic fowls. V, 24:46665
MATSUMOTO, Tokutaro Container for a radioactive material, 22:48991
  Lifting gear for a hot cave or a radioactive-material storage, 23:9687
MATSUMOTO, Toshio Instrumentation and control system design features of the San Onofre Nuclear Generating Station, 22:22757
MATSUMOTO, Y. Reconstitution of the scattering amplitudes satisfying moment sum rules, 23:51947
MATSUMOTO, Y. S. Cause of death as recorded on death certificates in Hiroshima and Nagasaki, Japan, 21:12912
MATSUMOTO, Yasuo Comment on the p—n mass difference, 22:46359
  Infinite component fields and Regge amplitude, 25:41022
  Reduction of Hwa equation and linear trajectories, 24:42937
MATSUMURA, Akira Production of saddle-shaped superconducting magnet, 23:30457
MATSUMURA, Chi Structure of alkali hydroxides. III, 23:11513
  Structure of the alkali hydroxides. IV, 23:24147
MATSUMURA, Hiroshi Fluctuations from the steady-state in reactor. II, 24:31129
  Fluctuations from the steady-state of a reactor. III, 25:1959
  Infrared absorption in irradiated silicon and germanium, 24:12889
MATSUMURA, M. Origin of moving striations in plasma, 22:41606
MATSUMURA, S. Determination of electron density in medium-pressure discharge plasma of argon, 24:23959
  Large-sheath concept for continuum probe theory, 25:9429
  Somatic mutations induced by chronic gamma-irradiation, 22:36226
MATSUMURA, Seiji Comparison of mutagenic efficiency between ethyl methanesulfonate and ionizing radiations in diploid wheat, 22:40634
  Comparison of mutagenic efficiency between ethyl methanesulfonate and ionizing radiation in diploid wheat, 23:22261
  Comparison of mutagenic efficiency between EMS and γ rays, 23:45705
  Photoreactivation of ultraviolet light induced mutation, 22:40633
  Photoreactivation of uv-induced mutation in maize, 23:26757
  RBE of radiations in E-1 hole of Kyoto University reactor (KUR), 23:43913
  Somatic variations in corn and chrysanthemum under chronic γ irradiation, 23:26756
  Storage and nitrogen effects on radiation damage in einkorn wheat seeds with different water content, 22:36405
MATSUMURA, Takashi Adsorption of radioactive materials by coal humic acid, 22:12426
  Adsorption property of nitrosylruthenium complex on activated carbon, 24:39036
  Adsorption property of radioactive materials by coal humic acid, 22:35906
  Decontamination of radioactive Ru by cellulose derivative-bentonite flocculation. I, 21:6005
  Sorption and fixation of ^{137}Cs by sericite, 22:42827
  Treatment and disposal of radioactive wastes by clayey minerals, 24:20864
MATSUMURA, Takio Incineration treatment of combustible radioactive waste. II, 24:454
  Radioactive liquid waste decontamination tests with a packed-type evaporating tower, 21:22120
MATSUMURA, Tetsuo Analysis of Zircaloy, 25:26171
  Determination of boron and Cd in Zircaloy-2. VI, 23:72
  Spectrochemical analysis of Ti and its alloy. IV, 25:2097
  Spectrochemical analysis of zirconium and its alloys. IV, 22:4006
  Spectrochemical analysis of Zr and its alloy. V, 22:47097
  Spectrographic determination of alloying elements in Zircaloy-2. IV, 21:32133
  Spectrographic determination of impurities in Zy-2, 24:11434
MATSUMURA, Toyozo Simulated experiment of the sky shine in water, 23:20252
MATSUNAGA, Ichiro Fabrication of dispersion-type reactor fuel consisting of UC and SiC, 23:41724
  Fabrication of dispersion-type reactor fuel consisting of UC and SiC, 24:27813
MATSUNAGA, S. Genetic control of radiosensitivity in Drosophila melanogaster, 25:52026
MATSUNAGA, Sakuro Experiments on MHD power generation with potassium-seeded argon plasmas, 22:5361
  Measurements of flow velocities in an MHD channel, 21:9396
  Temperature dependence of critical current in Nb_3Sn ribbon, 25:27658
MATSUNAMI, T. Detection of radiotungsten in rainwater, 25:15794

  - Fallout particles in ground-level air from the Chinese nuclear explosion of December 28, 1966, 22:33572
  - Plutonium-238 in fallout, 23:13876
  - Radionuclide fractionation in fallout particles, 23:17581
  - Uranium in fallout particles, 22:27920
- MATSUNAMI, Tadao Activation analysis of river-water, 24:38786
  - Alpha-activity of highly radioactive fallout particles, 21:6038
  - Detection of radiotungsten in rainwater, 24:38756
  - Electron microprobe analysis of fallout particles, 21:14347
  - Estimation of the size distribution of uranium oxide particles by alpha-ray spectrometry, 22:42953
  - Fallout from third Chinese nuclear test explosion. II, 22:12450
  - Fallout from third Chinese nuclear test explosion. I, 22:12451
  - Fallout particles. VIII, 22:4284
  - Highly radioactive fallout particles from the fifth Chinese nuclear explosion of Dec. 28, 1966, 22:42881
  - Measurement of specific gravity of radioactive fallout particles produced by third Chinese nuclear test, 5/66, 22:40263
  - Nuclear debris from Chinese nuclear explosion June 17, 1967, 22:42877
  - Nuclear debris from French nuclear explosions of 7—9/68, 23:33271
  - Plutonium-238 in fallout, 23:33273
  - Plutonium-238 in fallout particles, 22:42879
  - Radionuclide fractionation in fallout particles from an air burst, 22:16719
  - Some long-lived radionuclides in nuclear debris, 22:42878
  - Studies on fallout particles (VIII), 23:31434 (UCRL-Trans-10348)
  - Studies on fallout particles. IV, 23:40879 (UCRL-Trans-10359)
  - Studies on fallout particles. IX, 23:6225
  - Studies on fallout particles. VI, 23:40880 (UCRL-Trans-10360)
  - Studies on fallout particles. VII, 23:47646 (UCRL-Trans-10355)
  - Uranium in fallout particles, 22:42880
- MATSUNE, Soichi Atomic power and oil industry, 23:7371 (NP-17703)
- MATSUO, H. Recovery of electrical resistivity below 80°K in electron-irradiated pyrolytic graphite, 23:3160
- MATSUO, Hiroshi Radiation-induced graft copolymerization of butadiene on polyethylene by trapped radicals, 22:51012
- MATSUO, M. Alpha particle track detection with celluloid films, 22:49116
  - Application of radioisotopes in continuous casting of steel, 24:31603
  - Radioactivation analysis studies of polymerization reactions. I, 24:38800
  - Radioactivation analysis studies of polymerization reactions. II, 24:38929
- MATSUO, Mitsuyoshi Hydrogen exchange reaction of aminobenzoic acid. I, 23:40662
  - Liquid scintillation counting of ^{14}C- and ^{3}H-, 23:17356
- MATSUO, S. Contact transformation and space—time quantization, 25:30708
  - Vapour pressure of $H_2{}^{18}O$ ice, 23:17534
- MATSUO, Sadao Deuterium content in fractionally collected rainwater, 22:8227
  - Isotopic composition of magnesium in upper mantle materials and a meteorite, 22:21031
  - Measurements of the isotopic ratios of nickel in iron meteorites using nickel carbonyl, 22:14455
- MATSUO, Shigeru Structure of invariants in the wave equation of n-dimensional harmonic oscillator, 21:17174
- MATSUO, Shigetomo Hot-pressing of tantalum carbide. I, 24:42208
- MATSUO, T. Atomic mass determinations. I, 23:20068
  - Effects of thermal neutrons and gamma rays on seeds, 23:26764
  - Induction of somatic mutations in Cosmos bipinnatus by internal beta irradiation, 23:26763
  - Protective effects of chemicals on crop plants grown from x-irradiated seed, 21:10992
  - Second order aberration coefficients of large dispersion mass spectrometer, 24:36660
- MATSUO, Takaaki Viscoelastic properties of single-crystal polymers obtained by radiation-induced solid-state polymerization, 21:30448
- MATSUO, Takekiyo Atomic masses of ^{1}H, ^{16}O, and ^{32}S, 23:3935
  - Mass ^{40}Ca—^{40}Ar difference measurement, 23:3980
- MATSUO, Takeshi Study of aplastic anemia in an autopsy series with special reference to atomic bomb survivors in Hiroshima and Nagasaki, 25:42698
- MATSUO, Toshifumi Changes in the heart after radiation therapy, 23:33890
- MATSUO, Toshiyasu Hydrogen exchange reaction of aminobenzoic acid. I, 23:40662
- MATSUO, Yoshiro Nondestructive testing of jet-engines by using ^{192}Ir, 23:40962
- MATSUO, Yuji Removal of radioactive Sr deposited in the bone by means of parathyroid hormone and a chelating agent, 21:24363
- MATSUOKA, A. New type 6 MeV medical linear accelerator, NELAC-1006 D, 23:42804
- MATSUOKA, Genya Measurement of the polarization of synchrotron radiation, 23:3868
- MATSUOKA, Haruko Effect of organic halides of the yield of hydrogen from γ radiolysis of methanol, 21:4569
  - Influence of organic halides on hydrogen yield from γ radiolysis of methanol, 22:33377 (KFK-tr-238)
  - Reactivity of monochlorobenzene and its derivatives toward solvated electrons in lower aliphatic alcohols, 25:15688
- MATSUOKA, Junnosuke Tumor-specific localizing agent for radioisotope image, 24:5988
- MATSUOKA, K. Experimental studies of UO_2—H_2O lattices of uniformly arrayed rods and clustered elements, 22:22760
- MATSUOKA, Kenichi Experimental analysis of energy spectrum parameters in slightly enriched UO_2—H_2O lattices, 22:1868
- MATSUOKA, M. Measurement of location of x-ray source Cygnus X-1, 25:47243
  - Measurement of the absolute intensity of cosmic x rays, 23:34166
  - Observation of a new x-ray source, 24:6306
  - Possible models for x-ray source, SCO-X-1, 21:11355
- MATSUOKA, Masaru Observation of galactic x rays, 22:15298
  - Observations of energy spectra of galactic x rays, 21:14934
  - Some problems in high-energy astrophysics, 23:5149
- MATSUOKA, O. Optimum isotope ratio in double tracer studies, 21:39342
  - Serotonin and radiation effects on intestine, 22:49550
- MATSUOKA, Osamu Application of ultra high speed α-autoradiography in detection of ^{239}Pu skin surface contamination, 23:4931 (NSJ-tr-136)
  - Continuous measurement of respiratory $^{14}CO_2$ and CO_2 patterns in mice, 21:28382
  - Effect of ^{90}Sr and ^{131}I on respiratory $^{14}CO_2$ patterns following ^{14}C-glucose administration in mice, 25:32572
  - Effect on gaseous metabolism in mice following different types of radiation, 21:24341
  - Final report of research project on plutonium hazards, 4/66—3/70, 25:57998 (NIRS-Pu-8)
  - Gamma labelling with ^{85}Sr for in vivo measurement of ^{90}Sr, 21:34673
  - In vivo measurement of ^{90}Sr and ^{90}Y in internally exposed animals, 23:6490 (NSJ-tr-96)
  - Quark—molecule calculations, 25:59344
  - Radioprotective action of 5-hydroxytryptamine. II, 25:46897
  - Whole body activation autoradiography, 24:31778
  - Whole-body activation autoradiography, 25:13590
- MATSUOKA, Ryosuke Faraday rotation of a microwave through a lossy plasma, 21:16930
- MATSUOKA, Saburo Effect of gamma irradiation on RNA, 22:33771
  - Effect of gamma irradiation on uracil-^{14}C incorporation into Euglena cells, 21:22823
  - Effects of gamma irradiation on the protein content of Euglena cells and on the alanine-^{14}C incorporation into the cells, 21:22824
  - Effects of radiation on the growth of Euglena cells, 21:11067
  - Lethal effect of gamma irradiation on Euglena cells in two different growth phases, 21:22822
  - Radiation damage of purines and pyrimidines, 22:33770
- MATSUOKA, Takeo Duality and rearrangement of sakaton, 23:46688
  - Hadron reactions and urbaryon rearrangement, 25:40963
  - K—N inelastic processes, 22:17873
  - Multiple production processes and rearrangement of sakatons, 25:12186
  - Rearrangement of sakatons and high energy two-body scattering, 22:52971
  - Rearrangement of sakatons and high energy two-body scattering. II, 23:42650
  - Sum rules of dsigma/d t—t/sub min/, 23:39689
- MATSUOKA, Tokeo High energy inelastic scattering by rearrangement of sakatons, 22:15752
- MATSUOKA, Y. Antibody production in mice. I, 24:2591
- MATSUOKA, Yoshiharu Two-photon ionization of cesium and sodium vapors, 24:51687
- MATSUOKA, Yoshinori Influence of PuO_2 particle size of mixed oxide fuel in relation to fast reactor safety, 25:57107
- MATSUOKA, Yoshito Acute generalized inflammation occurring during telecobalt therapy, 22:15100
  - Histopathological study on eruptions during ^{60}Co radiotherapy of female genital cancer, 22:10878
- MATSURRA, Oscar T. Polarization changes with time during solar microwave impulsive bursts, 25:893
- MATSUSAKA, N. Cesium-137 retention in mice, 21:22308
  - Disposition of inhaled Pu. II, 24:25366 (BNWL-1221, pp 3.1-36)
  - Nuclide metabolism in juvenile mammals, 24:23080 (CONF-690501-, pp 217-26)
  - Protection of thyroid gland and total body from radiation, 23:24694
- MATSUSAKA, Naonori Cesium-134 in young and adult rats, 22:36163
  - Comparative study on retention and distribution of ^{137}Cs and ^{86}Rb in rats, 22:25762
  - Effect of K, lactose, and thyroxine administration on radiocesium retention, 24:2563
  - Effect of prolonged breast-feeding on radiocesium retention, 24:2562
  - Transfer of ^{137}Cs through placenta and milk in mice, 23:14043
  - Transfer of ^{85}Sr through placenta and mother's milk. I, 21:22320
  - Transfer of ^{85}Sr through placenta and mother's milk. II, 22:450
  - Transfer of ^{85}Sr through placenta and mother's milk. I, 22:36193
  - Whole-body retention of ^{137}Cs in mice, 21:32568
  - Whole-body retention of ^{86}Rb in mice, 21:20046
- MATSUSAKI, Koki Paper chromatographic separation and spectrophotometric determination of trace amount of zirconium, 23:26171
- MATSUSHIGE, Toshiaki Chemical effects in thin films of 1-hexene at 77°K due to low-energy electron impact, 24:27154
- MATSUSHIGUE, T. Antimony-122 isomeric-state formation by (γ,n) reaction, 23:23683
- MATSUSHIMA, Akira Flow of conducting fluids in circular pipes under uniform transverse magnetic fields, 21:20824
  - Fluid flow in a uniform magnetic field in the inductive pipe, 21:5125
- MATSUSHIMA, Hideo Alpha—gamma cell of the Japan Atomic Research Inst, 24:5853
- MATSUSHIMA, Kinichi High alkaline protease yielding mutants of Aspergillus niger induced by uv irradiation, 23:4914
  - Proteolytic systems of uv mutants of Aspergillus niger, 22:47516
- MATSUSHIMA, Ryoka Photochemical reactions of uranyl ions with organic compounds. I, 24:44013
  - Photochemical reactions of uranyl ions with organic compounds. II, 25:2158
  - Photochemical reactions of uranyl ions with organic compounds. III, 25:46474
- MATSUSHIMA, Satoshi Non-gray model atmospheres of solar type stars. I, 21:20664
  - Nongray model atmospheres of solar-type stars. II, 21:28913
  - Radiative opacity in stellar atmospheres. II, 23:5099
  - Radiative opacity in stellar atmospheres. I, 23:5098
  - Radiative opacity in stellar atmospheres. III, 23:22732
  - Revised calibration of Vega by Hayes, 23:8368
  - Structure of white-dwarf atmospheres. III, 23:22730
  - Structure of white-dwarf atmospheres. II, 23:22731
  - Theoretical (U - B)- and (B - V)-colors, 23:27234
  - uvby photometric system, 24:8253
- MATSUSHIMA, Tatsuo Dependence upon pH of rate of deuterium exchange between H and water on Ni, 21:34270
- MATSUSHIMA, Yasuyoshi Gamma-ray spectra of fission products observed with Li-drifted Ge detectors. II, 22:22613
- MATSUSHITA, Hajimu Pulse height analysis and 400-channel analyzer, 22:4513
- MATSUSHITA, Kozo Detection efficiencies of NaI scintillation detectors, 23:14006
  - Detection efficiencies of NaI scintillation detectors for gamma sources in water, 23:19943
  - Detection efficiencies of NaL scintillation detectors for gamma sources in water, 23:16128
- MATSUSHITA, Masaharu Particle accelerator, 21:5451
- MATSUSHITA, Rokuharu Radiochemical studies on surface contamination of "KUR" fuel, 23:15812 (KURRI-TR-3)
- MATSUSHITA, Rokuji Chemical behavior of carrier free iodine, 24:20800
  - Neutron activation analysis of I in Te compounds, 24:27028
  - Radionuclides and hydrogen peroxide in cooling water, 23:49595
- MATSUSHITA, S. Blanketing sporadic E at middle latitudes, 21:29133
  - Dynamo currents, winds, and electric fields, 23:51463
  - Effects of a solar eclipse on the equatorial geomagnetic field, 21:13465
  - Effects of dynamo-region electric fields on the magnetosphere, 24:51537
  - Electron densities in night-time auroral E region at Fort Churchill, Can, 23:27501
  - G/sub q/, a galactic component of the geomagnetic field variation, 25:38255
  - Geomagnetic pulsations associated with sudden commencements and sudden impulses, 21:33263
  - Hydromagnetic coupling of acoustic—gravity waves with the ionized atmosphere, 23:51458 (CONF-680722-, pp 397-401)
  - Interactions between ionosphere and magnetosphere for S/sub q/ and L variations, 25:38266
  - Ionospheric F2 behavior at conjugate places in low latitudes, 22:38910
  - Lunar tide in f/sub b/E/sub s/, 25:38256
  - Particle density in the plasmasphere during quiet periods, 25:40499
  - Physics of geomagnetic phenomena. II, 23:34321
  - Physics of geomagnetic phenomena. I, 23:34320
  - Polar daily geomagnetic disturbances, 22:34388
  - Possible hydromagnetic coupling between the perturbations of the neutral and ionized atmosphere, 24:26080
  - Solar cycle effects on geomagnetic Pi 2 pulsations, 22:13354
  - Solar cycle variation of blanketing sporadic E, 22:17468
  - Sq and L current systems in ionosphere, 22:43986
  - Time and latitude variations of blanketing sporadic E of different intensities, 23:12684
- MATSUSHITA, Sadami Consideration on the tidal wave transmission through the ionized atmosphere, 25:38236
  - Ionospheric irregularities and the cross-field plasma instability, 23:30412
  - Lunar tides in the ionosphere, 23:8536
  - Magnetospheric convections and damped-type geomagnetic pulsations, 24:30228
  - Theories of movement of ionospheric irregularities, 23:12646
- MATSUSHITA, T. Spin-projected random-phase approximation, 24:6383
- MATSUSHITA, Teruo Josephson junctions with superconducting barriers, 25:36064
- MATSUTANI, Yasuko Reaction of ultra violet ray-irradiated sausage with TBA, 22:33999
- MATSUTSIN, A. A. NMR and structure of crystals of hydrated UF_4, 24:18953
  - Outer-sphere interaction in $M_3UO_2F_5$ complexes, 25:41828
- MATSUURA, Akio Bronchogenic carcinoma with radiation pneumonitis and diabetes-insipidus-like symptoms, 23:50777
- MATSUURA, Hidehiro Sequential radiofluoride photoscan studies of autogenous bone grafts, 22:51802
- MATSUURA, Hideyuki Effect of vitamin E on γ irradiated mouse placenta, 23:41362
  - Effects of vitamin E on fetal malformation and placental injury following ^{60}Co γ irradiation, 23:41348

MATSUURA, Hiroatsu Infrared spectra and molecular vibrations of ethylene glycol and deuterated derivatives, 21:12415
MATSUURA, K. Current sustaining in magnetized toroidal plasma, 25:49892
  Theta-pinch experiment of a very-low-density plasma, 23:32381
MATSUURA, Keiichi Effect of Tathion on excretion of ^{203}Hg—MHP in kidney, 25:13341
  Effect of Tathion on urinary excretion of ^{203}Hg—MHP, 24:48388
  Roentgenologic observations of lung carcinoma in the ABCC—JNIH adult health study, 1950 to 1968, Hiroshima—Nagasaki, 24;32110
  Studies on the thyroid function test by means of whole body linear scanning, 23:4974 (NSJ-tr-120)
MATSUURA, Kenya Interaction between plasma oscillation and radiation field. III, 21:2276
  Kinetic theory of a weakly turbulent plasma. I, 22:31820
  Kinetic theory of a weakly turbulent plasma. II, 22:39087
  Nonlinear kinetics of plasma. I, 21:37465
  Nonlinear kinetics of plasma. II, 22:41617
  Shafranov-type equilibrium configuration of finite-β toroidal plasma. I, 24:17960
  Shafranov-type equilibrium configuration of finite-β toroidal plasma. II, 24:17959
  Shafranov's type equilibrium configuration of a finite β toroidal plasma. III, 24:42715
MATSUURA, Kiyokata Engineering developments in QP experiments, 24:30356 (IPPJ-T-1)
  Experimental study of electrostatic ion cyclotron waves in a plasma, 21:33435
  Feedback control of the PIG discharge of the QP machine, 25:11921 (IPPJ-T-2)
  Ion cyclotron resonance heating of QP plasma, 23:18582 (CONF-680113-(Vol.1), pp 343-78)
MATSUURA, Masataka Fast neutron dosimetry by ^{238}U(n,2n) reaction together with thermal neutron dosimetry by ^{238}U(n,γ) reaction, 22:40376
  Preparations of ^{231}Th and its recoil from ^{232}Th target, 23:45345
  Separation of recoiling species from neutron-irradiated chromate ion, 23:9493
MATSUURA, Niro Effect of hydrogen atom and electron scavengers on the gas-phase radiolysis of ammonia, 21:36005
  Enrichment of ^{32}P by activation of tripolyphosphate, 22:16591
  Formation of hypophosphate in the radiolysis of phosphite solution, 25:41866
  Hot atom chemistry of tripolyphosphate. II, 23:19797
  Hot-atom chemistry of polyphosphates. III, 24:18998
  Hot-atom chemistry of polyphosphates. IV, 25:57495
  Hydrogen yields in radiolysis of cysteine and biscysteinatocobaltate(III) in 0.8 N sulfuric acid, 22:42748
  Radiolysis of ammonia, 23:40762
  Radiolysis of Co-EDTA in aqueous solution, 21:42968
  Radiolysis of gaseous ammonia at high densities, 23:15915
  Yield of hydrogen atoms in the vapor phase radiolysis of ammonia, 22:42781
MATSUURA, Nobuo Production of Type 316 stainless steel cladding tubes for fast breeder reactor, 25:35305
MATSUURA, O. T. Impulsiveness of microwave bursts and its association with sunspot types, 25:27381
  MHD approach for interpreting solar polarization bursts at 7 GHz, 23:51295
  Observations with a 7-GHz polarimeter, 24:37136
  Polarization and intensity distribution of solar bursts at 7 GHz, 23:3220
  Reversals of circular polarization during microwave solar bursts, 24:21503
  Solar corona at centimetre wavelengths, 22:45860
  Some center—limb statistical trends of impulsive solar bursts at 7 GHz, 25:7080
  Some peculiar tropospheric and ground effects on solar noise radio measurements at 7 GHz, 23:14680
MATSUURA, Oscar T. Apparent sky temperatures and tropospheric absorption on solar radiation at 7 GHz, 22:19897
  Experimental results from measurements performed during the Nov. 12, 1966 total solar eclipse with a 4.28-cm radio polarimeter, 22:4986
  Polarization bursts in the sun observed at microwave frequencies, 23:6857
  Possible emission of polarized microwave radiation from the solar hemispheres, 23:22840
  Three years statistics of simple 3 solar bursts, 25:35724
MATSUURA, S. T. Analyzing elements with neutron activation, 24:2158
MATSUURA, Shigeru Photographic apparatus for the bubble chamber tracks, 25:51901
MATSUURA, Shojiro Analytical correlations of: PRCF batch core fuelled experiments, 24:50181 (BNWL-1453)
  Buckling correction for experimental power distribution within fuel assemblies, 24:22490
  Critical experiment and analysis on core for nuclear ship reactor, 23:9222 (JAERI-1166)
  Plutonium recycle utilization in light water reactors, 23:21496
  Reference design of PuO_2—UO_2 assembly for JPDR-II core, 25:50889 (JAERI-Memo-4327)
MATSUURA, T. Radiation-chemical interpretation of the specific activity values obtained by the Szilard—Chalmers reaction of some Co complex ions, 21:43001
MATSUURA, Tamifusa Exchange interaction (s—d) in a superconductor, 22:5276
MATSUURA, Tatsuo Extraction of recoil products from ion exchanger loaded with target ion during neutron irradiation, 22:40141
  Hot-atom chemistry, 25:29168
  Note on the measure of degree of enrichment obtained by Szilard—Chalmers reaction, 22:27809
  Separation of recoiling chromium(II) species from neutron-irradiated hexaquochromium(III) ion adsorbed on ion-exchanger, 21:45169
  Separation of recoiling Cr(II) species from neutron-irradiated hexaquochromium(III) ion adsorbed on ion-exchanger, 21:35843 (IAERU-6608)
  Separation of recoiling species from neutron-irradiated chromate ion, 23:9493
  Szilard—Chalmers reaction of anionic Co complex ions on ion-exchange resins, 21:5977
MATSUURA, Tei Thorium-dioxide granuloma with laryngeal palsy, 24:42012
MATSUURA, Tomio Radiation effects of biological molecules. IV, 21:24319
MATSUURA, Yakuji Histological study of cervical cancer of the uterus after telecobalt irradiation, 22:23626
MATSUURA, Yasuhiko Telecobalt therapy of esophageal cancer, 24:48653
MATSUYAMA, A. Food irradiation research in Japan, 21:26723
  Studies of radiation chemistry and biology with the IPCR 160 cm cyclotron, 25:16042
MATSUYAMA, Akira Alkali halides as agents enhancing the lethal effect of ionizing radiations on microorganisms, 21:36766
  Irradiation research in Japan, 24:32311
  Lesions in macromolecular components of E. coli gamma irradiated in the presence of chloride ions, 25:24476
  LET effects in Micrococcus radiodurans irradiated with α—particles, 25:24473
  Macromolecular synthesis in Micrococcus radiodurans during postirradiation incubation, 25:26639
  Radiation lethality in Micrococcus radiodurans, 25:24475
  Radioresistance in bacteria, 24:21326
  Radiosensitivity of Streptomyces cacaoi spores, 25:27068
  Repair of double-strand scissions in M. radiodurans DNA caused by gamma-rays, 23:7963
  Repair of double-strand scissions in DNA of M. radiodurans after alpha bombardment, 25:24480
  Trends in utilization of radiations and radioisotopes, 25:21996
MATSUYAMA, Itaru Radiography with 5-MeV linear accelerator, 22:9736
  Radiography with an electron linear accelerator for industry, 23:15311
MATSUYAMA, Kentaro Method for cross-linking polymethyl methacrylate resin, 23:9459
MATSUYAMA, Tsutomu Electron microscopic study on acute thymic involution induced by polyoma virus infection, 25:58114
MATSUYAMA, Yoshihiko Particle accelerator, 21:9897
MATSUYANAGI, K. Structure of anomalous coupling states, 24:43505
MATSUYANAGI, Kenichi Collective excitations in spherical odd-mass nuclei. I, 25:46125
MATSUZAKI, Fukashi Effect of heparin administration on plasma growth-hormone concentrations, 24:23060
  Treatment of hyperthyroidism with ^{131}I, 22:31196
MATSUZAKI, H. Binding energy of tritons, 22:26812
MATSUZAKI, Kei Stereoregularity and reaction of polyacrylates and polyacrylonitriles, 22:4190
  Stereoregularity of poly(methacrylic acid esters), 22:4191
  Structure of active sites produced by gamma-ray irradiation of cellulose acetate, 24:27129
  Structure of active sites produced by gamma irradiation of cellulose acetate, 24:41377
  Triad tacticity of polyacrylonitrile, 25:54622
MATSUZAKI, Yoshio $K \rightarrow 2\pi$ decays and dispersion relations, 23:39674
MATSUZAWA, H. Energy flux of 100-300 kVp x rays, 21:14501 (UCRL-Trans-10081)
  Paired ionization chambers for measurement of neutrons and gamma rays, 25:26538
  Scattering and energy loss of 5- to 30-keV electrons in thin films, 25:25199
MATSUZAWA, Hideo Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
  Electrons ejected from Al by 150-kVp to 300-kVp x-rays, 21:9340
MATSUZAWA, Michio Applicability of Landau—Zener—Stueckelberg formula to perturbation induced in elastic scattering, 23:3282
  Collisional excitation transfer between H atoms. I, 21:14973
  Collisional excitation transfer between H atoms. II, 21:16809
  Electron-impact excitation cross sections of the lowest-lying triplet states of benzene, 24:8339
  Ionization of atoms by collisions with metastable helium atoms, 24:28110
  Ionization of long-lived highly excited atoms by collision with molecules, 25:58750
  Nonadiabatic transition in the slow collision between heavy particles, 22:11222
MATSUZAWA, T. Acute intestinal radiation death in germfree and conventional mice, 22:49541
  Electrophoretic behavior of x-irradiated lymphocytes, 25:55310
MATSUZAWA, Taiju Cell population kinetics in acute intestinal radiation death, 25:35239
  Injury and recovery patterns of intestinal epithelium in irradiated animals, 24:12293
  Microautoradiography of tritium-labeled compound in vivo. I, 21:41324
  Microautoradiography of tritium-labeled compound in vivo. II, 21:41326
  Microautoradiography of tritium-labeled compound in vivo. III, 21:41323
  Radiosensitivity of aggregated tumor cells, 24:2768
  Radiosensitivity of ascites hepatoma, 24:2767
MATT, D. R. Stabilized gun for plasma interaction studies, 23:44409
MATT, R. GTR-16 radiation effects test on structural materials at -423°F, 22:4813 (TID-24148)
MATT, R. E. Metallurgical processing of silver infiltrated tungsten, 23:22497
  Structural defects in infiltrated tungsten matrices, 21:9149
MATT, W. Evidence for a K*(1660) resonance in K^+p reactions at 5 GeV/c, 22:9516
  Hyperon bubble chamber HYBUC, 25:34972 (CONF-700623-(Vol.2), pp 640-6)
MATTA, M. K. Luminescence of γ-irradiated KCl crystals induced by plastic deformation, 21:7345
MATTA, M. S. Reaction between epoxides and boroxines, 22:22898 (MLM-1440)
MATTAUCH, J. H. E. Adjustment of relative atomic masses, 22:3767
  Atomic mass table (1964), 22:3769
  Consistent set of Q-values, 22:3768
MATTAUCH, R. J. Effects of ^{60}Co gamma radiation on MOS diodes, 21:41308
MATTAUCH, Robert J. Detectivity of radiation-produced defect levels in n- and p-type Si and Ge, 24:30378 (N-70-15784)
MATTAUCH, Robert Joseph Effects of ^{60}Co γ radiation on steam-grown SiO_2 MOS structures, 21:45494
MATTAVI, J. L. Development and testing of intermetallic coated titanium alloy gears, 24:12370
MATTE, J. Alternate reactor concept design study for FFTF: fixed-shield-plug vertical-core reactor concept, 23:31192 (APDA-187)
MATTEI, Giulio Characteristic variations and wave propagation in a collisionless plasma, 23:34483
  On the propagation of cylindrical waves in a magnetized self-gravitating collisionless plasma, 23:12885
  Propagation of MFD waves in a heat-conducting compressible fluid in presence of Hall effect, 25:43200
  Wave propagation and instabilities in a rotating anisotropic plasma, 23:32511
MATTE III, J. Centrifuge for purifying liquid sodium, 23:35280
  Mechanical equipment experience in Enrico Fermi Atomic Power Plant, 23:1972 (APDA-225)
  Object retrieval tools for the Enrico Fermi Atomic Power Plant repair program, 22:32885
  Optical, lighting, and photographic equipment for the Enrico Fermi Atomic Power Plant repair program, 22:32915
  Portable alpha-gamma cell for nondestructive examination of irradiated Fermi subassemblies, 22:4411
  Program for design and demonstration of prototype under-sodium ultrasonic scanner, 22:22654 (APDA-220)
MATTE III, Joseph Design, development, and evaluation of a continuous flow sodium centrifuge, 24:11719 (APDA-243)
  Operating experience with Fermi fuel handling cask car, 24:467
  Remote maintenance during recovery from Enrico Fermi fuel melting incident, 25:5907
  Remote retrieval and removal operations in the Fermi reactor, 23:47089 (ANL-7520(Pt.2), pp 39-51)
  Vacuum cleaning in the Enrico Fermi reactor, 24:7010
MATTELAER, G. Exposure of soft tissue around bone to soft x rays, 23:26800
MATTELAER, J. Retroperitoneal fibrosis, 23:29686
MATTELIN, G. Combination of radioprotective agents and 5-hydroxytryptamine, 24:32043
  Disorientation response of chicks which survived 2-β-aminoethylisothiouronium-Br-HBr (AET) administration during early embryogenesis, 25:4601
  Effect of a mixture of radioprotectors on the temporary sterile period induced in male mice by exposure to x radiation, 25:46886
  Effect of irradiation and or 2-β-aminoethylisothiourea on appearance of giant nuclei in crypts of small intestine of mouse, 21:45731
  Effects of AET administered to mice, 25:21739
  Radioprotectants and radiotherapy of cancers, 22:25878
  Reduction in radiation lethality by mixtures of chemical protectors, 21:20273
  Reduction of short- and long-term radiation effects by mixtures of chemical protectors, 25:4582
MATTELIN, Gilbert Effect of a mixture of chemical protectors against x-irradiation induced testis injury, 24:32039
MATTEOLI, L. Applications of radioisotopes as tracers in the metallurgical industry, 22:8324
  Improved method of quantitative autoradiography for industrial purposes, 21:10499 (EUR-3173.e)
  Study of source of exogenous inclusions in steel by radioactive tracers. II, 23:16476
MATTER, B. E. Hydrogen sulfide—radiomimetic effects and radioprotective effects on drosophila eggs, 22:28604
  Radioprotective effect of hydrogen sulphide in Drosophila melanogaster, 24:2721
  Split-dose experiments with Stage-14 oocytes of Drosophila melanogaster, 23:26742
MATTER, Bernhard E. Differential radiosensitivity of early cleavage stages in Drosophila melanogaster, 25:24121
MATTER, U. Elastic scattering of heavy ions, 22:26836
  Heavy ion transfer reactions in region of Coulomb barrier, 24:49737
  Heavy-ion reactions induced by ^{16}O, ^{18}O, and ^{19}F ions, 24:20335
  One- and two-neutron transfer reactions induced by ^{18}O and ^{19}F ions, 22:48460
  Total cross section of the reaction ^{16}O(d,n)^{17}F, 23:3961
MATTER, Ulrich Transfer of a neutron between ^{9}Be, ^{13}C, and ^{17}O, 25:12382 (NP-18546)
MATTERN, D. A. Growth-related surface features on BeO crystals revealed by electron microscopy, 21:20589
MATTERN, F. C. M. Concerning ^{89}Sr, ^{90}Sr, and ^{137}Cs in foodstuff in Netherlands, 1965, 21:28443 (RA-27)
  Investigation of radioactive materials in surface waters and precipitation, 21:25997 (RA-24)

Iodine-131 content of grass, cattle feed, and rain water, 21:24418 (RA-17)
Iodine-131 in milk and vegetables during last half of 1961, 21:26419 (RA-15)
Radioactivity of water, slime, and floating material of Rhine in Netherlands, 21:28441 (RA-14)
Relation between deposition of long lived fission products and dietary ingestion, 25:4519
Strontium-90 and ^{137}Cs in human diet in Netherlands during 1966, 22:15001 (RA-30)
Strontium-90 and ^{137}Cs in human diet in Netherlands, 1963, 22:33817 (RA-32)
Strontium-90 and ^{137}Cs in human diet in Netherlands during 1967, 22:43312 (RA-34)
Strontium-90 and ^{137}Cs in human diet in Netherlands during 1964, 23:2822 (RA-33)
Strontium-90 and ^{137}Cs in human diet in Netherlands, 1968, 23:29503 (RA-38)
Strontium-90 and ^{137}Cs in the human diet in the Netherlands during 1969, 25:16003 (RA-41)
MATTERN, I. E. Bacterial genes and enzymes involved in the recovery from lethal ultraviolet damage, 22:25822
Genetic and enzymic control of radiation sensitivity in E. coli, 21:22397
MATTERN, Ina E. Genetic constitution of radiosensitive mutant of E. coli, 21:4782
MATTERN, Ina Elisabeth Genetic investigation of radiation-sensitive mutant of Escherichia coli, 25:8633 (NP-18483)
MATTERN, J. Industrial nuclear power using boiling water reactors, 24:4113
Some technical aspects and economy of AEG—BWR fuel cycle, 25:28721
MATTERN, K. L. Radioactive waste management, 24:50538
MATTERN, P. L. Geologic dating by electron spin resonance, 21:15994 (BNL-11080)
Geologic dating by electron spin resonance, 22:6479
γ-Radiation induced color centers in anthracene, 22:33410
Radioinduced color centers in anthracene, 22:23077
Studies on nonmetals during irradiation, 24:10604
Studies on nonmetals during irradiation, 25:38574
Studies on nonmetals during irradiation. II, 25:45541
Thermoluminescence of KCl:Tl between 30 and 400°C determined by simultaneous intensity and spectral distribution measurements, 24:32900
MATTERN, Ullrich Method of preoxidizing nuclear reactor components of zirconium alloys, 25:19180
MATTES, Fred Prog. rpt. on applications of radioisotopes in polarography, 21:15831 (COO-256-65)
MATTES, Frederick Henry Applications of radioisotopes in polarography, 23:6087
MATTES, H. F. Optimization of conduction and induced currents in type-II superconductors, 21:41962 (NP-16945, pp 122-32)
MATTES, H. G. Enhancement of the Meissner effect in type-II superconductors by a heat pulse, 21:43998
New magnetic phenomenon in type-II superconductors, 24:26110
MATTES, Hans George Surface phenomena and other effects in type-II superconductors, 24:10473
MATTESON, James L. New component of cosmic gamma rays near 1 MeV, 24:35225
Upper limits for CP 1919 x-ray emission, 24:27993
MATTESON, L. N. Theoretical and computational radiation hydrodynamics. II, 24:49068 (AD-703664)
MATTEUZZI, L. CFP-200 experiment loop, 21:21720
MATTHAEUS, Guenther Charged particle accelerator, 25:36635
MATTHAEUS, W. Determination of the electrophoretic mobility of foot-and-mouth disease virus in agar gel by measuring the radioactivity, 22:14932
MATTHAEY, H. Break-up reaction $p + d \rightarrow p + p + n$, 24:37636
DATA-LOG: device for control of logic function in the DATA system, 23:45580 (KFK-897)
Final state interacting n-p pairs in the reaction $p + d \rightarrow p + p + n$, 25:5548
Final state interaction in reaction $p + d \rightarrow p + p + n$, 24:37621 (KFK-1172)
Investigation of n—p and p—p final state interaction in three body reaction $p + d \rightarrow p + p + n$ with 52-MeV deuterons, 24:3508 (KFK-1012)
Investigation of the angular correlation in the three-nucleon reaction $d + p \rightarrow p + p + n$, 25:1395 (KFK-1216)
Proton—proton final-state interaction in three-nucleon reaction $p + d \rightarrow p + p + n$, 24:13270
Singlet and triplet final state interaction between the neutron and proton in ^{1}H(d,2p)n reaction, 23:34715 (KFK-892)
MATTHEE, H. Segregation effects in stored materials, 23:35397 (EUR-4190, pp 221-40)
MATTHEIEM, W. Use of radiogold in the treatment of ovarian cancer, 23:48246
MATTHEISS, L. F. Band structure and Fermi surface of ReO_3, 23:42482
Electronic structure of niobium and tantalum, 24:19983
MATTHES, F. Preparation and properties of the oxychlorides of cerium and lanthanum, 24:53057 (ORNL-tr-2379)
MATTHES, J. R. Wave propagation in sinusoidally stratified plasma media, 23:32514
MATTHES, Th. Quantitative estimation of experimental hepatomas by ^{198}Au-colloid, 23:35803
MATTHES, W. Contribution to systems analysis of nuclear plants, 25:21334
Noise analysis of periodically pulsed reactors, 21:2831
Some applications of the Monte Carlo method at the Euratom Research Center, Ispra, 25:57162 (CONF-710302-(Vol.2), pp 803-32)
MATTHESS, Georg Tritium content in ground water stockworks, 22:48929
MATTHEW, J. A. D. Dynamics and thermal properties of one and three dimensional molecular models of Li defects in KCl, 22:5419 (NYO-2391-24)

Isotope dependence of self-trapping energy of light interstitial in metal, 25:14439
Theory of isotopic effects in the electron—phonon interaction, 22:24440
MATTHEWMAN, W. Evaluation of condenser tube and tubeplate materials, 22:52159 (CONF-671007-7)
MATTHEWS, A. D. Determination of indium in sea water, 24:41237
Determination of rhenium in sea water, 24:48053
Determination of Tl in rocks, sediments, and sea water, 24:5
Sugawara's method for determination of I in sea water, 24:41202
MATTHEWS, C. M. E. Absorbed doses from ^{133}Xe, 22:40664 (NP-17466)
Collimators and counting systems for brain scanning, 22:28601
Distribution of Cs, Rb, and K isotopes in the dog, 24:44412
Effect of collimator resolution on the detection of lesions in brain scanning, 22:49417
Labeled fluoroborate in the stomach of rats, 21:26505
Ratio of ^{81}Rb to /sup 81m/Kr incorporated in tissue, 25:35167
Using cyclotron-produced isotopes at Hammersmith Hospital, 21:39472
MATTHEWS, C. W. Radial deformation analysis by holographic interferometry, 25:41664 (SC-DR-710036)
MATTHEWS, Clifford N. Polypeptide synthesis from ammonia and methane using high energy radiation, 25:46505
MATTHEWS, D. B. Dependence of kinetic isotope effects on the free energy change for proton transfer reactions, 23:31352
The dependence of kinetic isotope effects on the free energy change for proton transfer reactions, 23:43321
MATTHEWS, D. L. Relation between integral electron flux and current in retarding-potential plasma probes, 25:27682
Simultaneous observation of electron fluxes, ionization, and luminosity in an aurora, 22:22057
MATTHEWS, G. Electrodeplating techniques for decontaminating metal surfaces, 21:43437
MATTHEWS, G. E. Luminosities of Beta Cephei, 22:43742
MATTHEWS, H. A. Selection of nuclear power and desalination plants, 23:49634
MATTHEWS, Harry R. Application of Cherenkov counting to column chromatography of ^{32}P labeled substances, 22:47085
MATTHEWS, J. A. Multiparticle spectrometer design for NAL, 24:52319 (TID-25473(Vol.3), pp 177-209)
MATTHEWS, J. A. J. Omega production in $\pi^+d \rightarrow pp\pi^+\pi^-\pi^0$ at 6.95 GeV/c, 25:17395
Production and decay of phi(1680) in $\pi^+d \rightarrow pp\pi^+\pi^-\pi^0$ at 6.95 GeV/c, 25:38667
Production of g-meson in $\pi N \rightarrow g^0 N$ charge exchange channels at 7 GeV/c, 25:59288
Regge analyses of rho^0 production in πN charge exchange channels at 7 GeV/c, 25:56431
Regge-pole model for $\pi N \rightarrow \omega N$, 25:20008
Spin—parity analysis of phi(1680) meson, 25:25315
MATTHEWS, J. C. Radiation hazards from diagnostic radiology, 24:12073
MATTHEWS, J. D. Application of the binary cross-correlation method for determining fast reactor dynamic responses, 24:11163 (AEEW-M-548)
Data-handling system for large-scale space radiation experiments, 23:41105 (EUR-4289, pp 225-9)
Perturbation method for multigroup neutron transport calculations in plane lattices, 22:20930 (AEEW-R-219)
TEMPLE: computer program for transforming reactor transfer functions, 21:30088 (AEEW-R-728)
MATTHEWS, J. L. Metabolism of radioactive calcium by cartilage, 22:51341
Non-intercepting beam current integrator, 25:3517
Photoprotons from Li and C with 100-MeV bremsstrahlung, 22:26834
Present status and projected future of (γ,np) experiments, 23:9034 (TID-24667, pp 480-1)
Single-difference bremsstrahlung unfolding technique, 25:17624
MATTHEWS, J. Lester Influence of regional oxygenation on osteoradionecrosis, 21:22625
MATTHEWS, J. R. Calculation of stress in fast reactor fuel elements, 25:20732 (AERE-R-6516)
Calculation of stress in fast reactor fuel elements, 25:27285
Calculation of stress in fast reactor fuel elements, 25:48354
Thermal stress in a finite heat generating cylinder, 24:43862
MATTHEWS, J. W. Detection of high explosives by capture gamma-ray techniques, 25:57866 (SC-RR-710450)
MATTHEWS, J.D High-sensitivity particle spectrometer for the measurement of polar-cap-absorption events, 24:39326
MATTHEWS, James D. Radiation emission from a television projection system, 24:44492
MATTHEWS, Jennifer C. Placental localization using /sup 99m/Tc-labeled serum albumin, 23:2883
MATTHEWS, K. Cosmic-ray interactions at 10^{11} to 10^{13} eV, 25:45635
Cosmic-ray interactions at 10^{11} to 10^{13} eV, 25:50056 (AD-721714)
Two-transistor Geiger—Mueller counter quench circuit, 24:490
MATTHEWS, K. J. Double spherical electrostatic probe continuum theory and electron temperature measurement, 21:33377
MATTHEWS, Lee D. Chemisorption of carbon monoxide on molybdenum, 22:4785
Radiotracer and photoemission studies of CO chemisorbed on Mo(100), 25:35358
MATTHEWS, M. D. Improved profiles of electrical activity in boron-implanted silicon, 23:5471

Range calculations of 10 to 200-keV heavy ions in materials, 24:39665 (AERE-R-5546)
Structure of ion-implanted gold layers in single-crystal silicon, 23:36289
MATTHEWS, P. A. Microwave polarisation measurements of four solar radio bursts, 23:34237
Periodic structure in solar radio bursts and its relation to burst energy, 23:25076
MATTHEWS, P. O. Determination of quantity of radioactivity contained in gaseous effluent at Nevada Test Site, 23:26366 (SC-RR-68-559)
MATTHEWS, P. T. Covariant angular momentum analysis and analytic continuation, 22:26725
Delta I = 1/2 rule without neutral currents, 21:33673
Extended symmetry, unitarity, and Fermi statistics, 22:9636
General expansions of a scattering amplitude, 24:6765
Group theoretic approach to quantum fields, 23:5652
High-energy limit of production amplitudes, 24:26529
Introduction to quantum mechanics, 23:10730
Multimass fields, spin, and statistics, 21:19058
Particle symmetry, 21:29577
Particle symmetry, 22:5617
Poincare invariance, particle fields, and internal symmetry, 21:2487
Relativistic invariance and local fields, 21:15368
Research on elementary particles, 25:1429 (AD-706920)
Test for Toller poles, 23:44685
Unitarity, causality, and Fermi statistics, 21:5407
Unitary symmetry, 22:3473
MATTHEWS, P. W. Superconductor—glass vacuum seals, 22:17565
MATTHEWS, Paul O. Tabulation of fission nuclides vs selected time periods after fission, 23:19257 (SC-M-68-827)
MATTHEWS, Paul T. Elementary particles, 23:51949
Research on elementary particles, 24:8572 (AD-687147)
MATTHEWS, R. R. Location and repair of a leak in Dounreay fast reactor primary circuit, 23:43059
Location and repair of the DFR leak, 23:2050
MATTHEWS, R. W. Effect of high temperatures on radiation chemistry of aqueous solutions, 24:38897 (AAEC/TM-537)
Evaluation of the ceric—cerous system as an impurity-insensitive megarad dosimeter, 25:26526
Kinetic evidence that G/sub OH/ in the radiolysis of aqueous sulfuric and nitric acid solutions is proportional to electron fraction water, 25:2277
Kinetics of the oxidation of cerium(III) by peroxysulfuric acids induced by ^{60}Co γ radiation, 24:31417
Oxidation of cerium(III) in sulfuric acid solutions induced by γ radiation, 23:269
Production of isomeric nitrophenols in radiolysis of aqueous nitrobenzene solution, 22:2116
Radiation chemistry of concentrated $NaNO_3$ solutions, 23:47508
MATTHEWS, Thomas A. Time changes in structure of optical image of 3C 287, 22:49904
MATTHEWS, Thomas R. Evaluation of systemic antifungal agents in x-irradiated mice, 25:16224
MATTHEWS, W. K. Strontium-90 in Australian environment during 1968, 24:34313
Strontium-90 in the Australian environment, 1968, 24:23182 (NP-18100)
MATTHEWSON, R. Gated pulse charge analyzer for high-energy beam profile and flux measurements, 21:16246
Scintillation counter with improved uniformity, 24:29526
MATTHEY DE L'ETANG, William KA interspan cable system of 44-60 wires, 21:212 (ORNL-tr-1351)
MATTHIAE, G. Discontinuous behavior in large angle proton—proton elastic scattering at high energies, 21:37679
High-energy collisions and the spin distribution of hadron states, 23:7131 (ISS-68/21)
High-energy scattering of protons by nuclei, 25:1568
Magnetic analyzer to be used for Adone colliding beam experiments, 23:25727 (LNF-69/2)
Nuclear structure determination from 20 GeV proton scattering, 22:1705 (ISS-67/16)
Proposal for e^+e^- elastic scattering experiment with charge recognition to be performed at Adone, 22:48205 (ISS-68/20)
Search for fluctuations in the angular distribution of p-p scattering at 16.9 Gev/c, 21:2369
Width of hadrons, 22:41796 (ISS-68/11)
Width of hadrons, 22:50358
MATTHIAS, B. T. 3d elements in superconducting PdSb, 22:29393
Effect of short-wavelength components of the electronic polarizability on the transition temperature of superconductors, 25:47473
Empirical approach to superconductivity, 22:46084
Empirical approach to superconductivity, 25:17079
Ferromagnetism and superconductivity in uranium compounds, 24:10465
Increase of superconducting transition temperatures, 23:30473
Instabilities of high-temperature superconductors, 25:14174
Isotope effect in superconducting γ-U alloys, 22:1111
Magnetic ordering in the rare-earth hexaborides, 22:37051
Melting-point anomalies, 21:26825
Polaron ferromagnetism of EuB_6, 22:50233
Positive isotope effect on superconducting transition temperature of α-U, 21:43949
Preparation and superconductivity of Ge-stabilized $Sc_{13}C_{10}$, 23:48519
Superconducting phosphorus, 22:34530
Superconductivity and antiferromagnetism in boron-rich lattices, 22:13385
Superconductivity and ferromagnetism of uranium compounds, 25:47485
Superconductivity and hardness, 21:41987
Superconductivity at 20°K, 21:27092

Superconductivity in β-beryllium and related phases, 21:13476
Superconductivity in hexagonal tungsten bronzes, 21:27090
Superconductivity of barium under pressure, 23:20851
Superconductivity of intermetallic compounds U_6Mn, U_6Fe, U_6Co, and U_6Ni and alloys, 22:24202
Superconductivity of $Nb_3(Al,Ge)$ above 20.5°K, 23:1351
Superconductivity of the transition-metal carbides, 21:37377
Superconductivity: the transition temperature peak below four electrons per atom, 24:51586
Upper critical fields of high-temperature superconducting Nb/sub 1-y/(Al/sub 1-x/Ge/sub x/)/sub y/ and Nb_3Al, 24:28193
MATTHIAS, Bernd T. High field superconducting magnet consisting of a niobium—zirconium composition, 21:7168
High-temperature superconductivity, 25:27656
Rare earth impurities in YB_6 and ZrB_{12}, 24:19851
Rare-earth elements and high pressures, 23:36800
Recent discoveries in superconductivity, 23:18531
Search for high-temperature superconductors, 25:47483
Superconductivity and the d-shell, 21:23150
Superconductivity and the periodic system, 24:21732
Superconductivity versus ferroelectricity, 24:40008
Systematics of superconductivity, 23:51543
MATTHIAS, C. S. Flat-plate magnetohydrodynamic boundary layer in a transverse magnetic field, 22:52598
MATTHIAS, E. Angular correlation and Moessbauer NMR, 22:46232
Angular correlation studies of cadmium and ruthenium in nickel, 21:44155 (UCRL-17701)
Angular correlation studies of cadmium and ruthenium in nickel, 22:46263
Angular correlation- and Moessbauer-NMR, 22:50224 (UCRL-17877)
Angular distributions of gamma rays produced in reactions with heavy ions, 21:15595
Conference on hyperfine structure and nuclear radiations, Asilomar, Pacific Grove, Calif., 8/67, 22:46831
Digital analysis of perturbed angular correlations, 21:17367
Effect of nuclear magnetic resonance on angular correlations and distributions, 22:42103 (UUIP-583)
g factor of 243-keV level in ^{86}Y, 21:40431 (UCRL-17636)
g-factor measurement of three-particle isomeric state of ^{209}Po following pulsed generation in (α,xn) reactions, 23:7299
g-factor of 243-keV level in ^{86}Y, 22:46744
In-beam nuclear magnetic resonance of 159 μs level in ^{115}Sn, 25:28380
Magnetic hyperfine field, nuclear g-factor, and spin-lattice relaxation for ^{125}Sb in Fe from nuclear orientation-NMR, 22:1657 (UCRL-17716)
Magnetic hyperfine field, nuclear g-factor, and spin—lattice relaxation for ^{125}Sb in Fe from nuclear orientation-NMR, 22:46792
Nuclear magnetic resonance in polarized nuclei, 21:2330
Recent applications of perturbed angular correlations, 22:9982
Recoilless resonance absorption and hyperfine structure of the 6.2-keV state in ^{181}Ta, 22:48553
Resonance destruction of angular correlations: ^{100}Rh in Fe and Ni, 21:44154 (UCRL-17509)
Resonance destruction of angular correlations: ^{100}Rh in Fe and Ni, 22:46234
Theory of nuclear magnetic resonance detected by nuclear radiations, 25:56372
Time analysis of reaction γ rays and electromagnetic properties of ^{210}Po levels, 22:27166
MATTHIAS, K. Silicon diffusion in protective-layer-forming silicide phases of high-melting metals, 24:4730
MATTHIES, Michael T. FORTRAN—PL/I interface problem, 23:19605 (ANL-7435)
MATTHIES, S. Supplements to the theory of swelling, 25:12847
MATTHIESEN, R. B. Analog simulated earthquake response of the experimental gas-cooled reactor, 24:7145
Forced vibration tests and analysis of the CVTR reactor seismic response, 24:7147
Response of San Onofre Nuclear Generating Station to earthquakes, 25:54002 (UCLA-ENG-7151)
San Onofre Nuclear Generating Station vibration tests, 25:44079 (UCLA-ENG-7037)
San Onofre Nuclear Generating Station supplementary vibration tests, 25:48137 (UCLA-ENG-7095)
Seismic vibration tests at the San Onofre nuclear generating station, 24:33227
Vibration testing and earthquake response of nuclear reactors, 23:40380
MATTHIESON, R. B. Vibration testing and earthquake response of nuclear reactors, 23:4280
MATTHIEUSSENT, G. Amplitude and damping of plasma wave echoes, 25:3144 (CEA-CONF-1601)
Production and study of a slow-ion beam, 24:45110
Saturation and damping of echoes of electron plasma waves, 25:56226 (CEA-CONF-1804)
Saturation of spatial plasma wave echoes, 25:47594
MATTHIEUSSENT, Gilles Discharge maintained by a direct current and high frequency waves, 25:14266
Particle trapping by a wave of large amplitude, 25:33259
MATTICK, W. Technical status and potential of the high temperature reactor line in the Federal Republic of Germany, 25:54028 (A/CONF.49/P-370)
MATTIE, H. Treatment of radiation sickness with pyridoxine hydrochloride in outpatients, 22:4639
MATTIG, W. Center-to-limb variation of sunspot brightness, 23:25083
Cosmological interpretation of red shift of quasars, 23:18368
Fine structure of brightness, velocity, and magnetic field in the penumbra, 23:36383
Geometrical height-scale and the pressure equilibrium in the sunspot umbra, 23:46200
Stray-light and sunspot intensities during Mercury transit of May 9, 1970, 25:49673
Studies of granular velocities. I, 24:10300
Sunspot intensities and their correction for scattered light, 22:52316
MATTII, M. Dosimetry for ^{60}Co beams. I, 22:33890
Radioprotective action of selenoderivatives, 22:33884
MATTII, Mario Chemical radioprotection by organic selenium compounds in vivo, 25:16233
MATTILA, K. Interpretation of the surface brightness of dark nebulae, 25:13919
Surface brightness observations of dark nebulae, 25:9131
MATTILA, M. J. Transfer of water and drugs by the isolated intestine of γ-irradiated rat, 24:17135
MATTING, A. Metallic coatings by plasma jet, 22:19502
Production and testing of plasma spray coatings, 22:15165
System Fe—W—Zn, 23:3085
MATTINGLY, A. Repair of DNA in H. influenzae. II, 23:48283
MATTINGLY, Alice Repair of irradiated transforming deoxyribonucleic acid in wild type and a radiation-sensitive mutant of Micrococcus radiodurans, 25:27124
MATTIOLI, F. Experimental investigation of the $K^0 \to \pi^+\pi^-\gamma$ decay, 21:2350
MATTIOLI, G. Group theoretical approach to multiperipheral model, 24:5324 (NP-18078)
Group-theoretical approach to the multiperipheral model, 24:13038
Ladder series convergence and Bethe—Salpeter equation, 22:35104
Projection formula for O(2,1)-invariant off-shell functions, 24:49562
Reggeized multiperipheral model, 24:26522
Rigorous derivation of projection formulas for 0(2,1)-invariant off-shell functions, 23:30826 (NP-17884)
MATTIOLI, M. Electron—ion recombination in laser-produced plasma, 24:28253
Holographic interferometry of laser-produced plasmas using picosecond pulses, 25:30487
Interaction of a laser-produced plasma with a uniform magnetic field, 24:51683 (EUR-CEA-FC-548)
Laser-produced plasma from LiH solid pellet, 23:7022 (CEA-CONF-1010)
LiH laser produced plasmas, 23:51676 (CEA-CONF-1390)
Nonlinear processes in a magnetized plasma, 22:1211
Optical measurements on laser-produced plasmas, 23:23100
Production of plasma by laser irradiation of lithium hydride pellets, 25:19702
Recombination processes during expansion of a laser-produced plasma, 25:25124
Recombination processes during the expansion of a laser-produced plasma, 25:19697
Spectral analysis of backscattered light from a laser-produced plasma, 25:40625
MATTIS, A. F. Design, fabrication, and irradiation of a Saxton special 9 x 9 assembly, 21:46867 (WCAP-3269-59)
MATTIS, Daniel C. Magnetic polarizability of closed shells, 22:21902
MATTONI, R. H. T. Space-flight and gamma radiation interaction on lysogenic bacteria, 22:47645
MATTOS, M. C. Neutron cross sections of Pr, Yb, Lu, Er, Ho, and Tm, 21:15583
Neutron cross sections of Pr, Yb, Lu, Er, Ho, and Tm, 22:18281
MATTOS, Marieta C. Paramagnetic scattering of neutrons by rare-earth ions, 22:22537
MATTOS ASSUMPCAO, H. Activity of ionizing radiation on fertile eggs of Triatomideos-Rhodnius prolixus, 25:19099
MATTOX, D. M. Aluminum coating of uranium reactor parts for corrosion protection, 21:24737
Composite film metallizing for ceramics, 23:12395 (SC-TM-68-287)
Composite film metallizing for ceramics, 25:2652
Film deposition by exploding wires, 21:30986
Ion plating, 23:6653 (SC-R-68-1865)
MATTOX, G. C. Fuel assembly design and fuel handling system, 24:29097
MATTOX, Richard B. Conference on saline deposits, Houston, Tex., 1962, 23:43409
MATTSON, James S. Application of semipermeable ion exchange membranes to in situ determination of trace metal ions in aqueous systems, 23:15819
Determination of ^{16}O in microcrystalline C by indirect neutron activation analysis, 23:49755
MATTSON, Philip T. Jr. Apparatus for blending particles, 25:29254
MATTSON, Roger J. Fuel rod transient heat transfer, 21:30619 (SC-RR-67-19)
MATTSON, William F. Experimental biaxial creep data for Ta, Mo, and alloys T-111, TZM, and TZC, 25:49409 (N-71-16498)
Statistical analysis of high-temperature creep-rate data for alloys of Ta, Mo, and Nb, 24:4767 (N-69-36653)
MATTSSON, A. X-ray flash tube with exchangeable electrode system, 24:46539 (UUIP-704)
MATTSSON, A. C. J. Energetics 6: magnetohydrodynamic power, 21:2083
MATTSSON, Inger Treatment of radiation dermatitis with bethamethasone-17-valerate, vaseline, and eucerine, 22:28618
MATTSSON, R. Fission products of unusual composition in Finland, 22:187
MATTSSON, Rolf Seasonal variation of ^{210}Pb and ^{210}Po in ground level air, 24:20897
MATTSSON, S. Application of a betatron in photonuclear activation analysis, 23:3855 (AE-333)
Application of a betatron in photonuclear activation analysis, 23:13682
MATTUCK, Richard D. Guide to Feynman diagrams in the many-body problem, 24:3775
MATTY, T. Wide range digital nuclear instrumentation channel, 21:38745 (NYO-3738-7)
MATTYS, H. M. Heat conductivity of uranium plutonium mixed oxides, 23:10276
Irradiation of $(Th,Pu)O_2$, 22:23904 (CONF-660524-, pp 463-73)
Plutonium metallic and ceramic fuel fabrication, 23:10177
Plutonium oxide as nuclear fuel, 22:43663
MATTYS, Henri Plutonium: tomorrow's fuel, 22:30200
MATUCEVICH, E. C. Angular distribution spectra of γ radiation from behind graphite barrier with source with energy of 4.45 MeV, 22:48420 (RFP-Trans-51)
MATUCHA, Karl-Heinz Identification of precipitates in VTiNb alloys, 24:32451
MATUDA, K. Electric quadrupole moment of the short-lived beta-emitter ^{12}B, 24:35820
Magnetic moment of ^{12}B, 22:26873
Nuclear magnetic resonance of 20 ms ^{12}B, 21:38247
MATUDA, Kozi Magnetic moments of short-lived β-radioactive nuclei ^{12}B and ^{12}N, 23:8943
Quadrupole effects in NMR spectra on ^{12}B and ^{12}N, 25:27923
MATULA, R. A. Defects induced by electron irradiation of p-type germanium, 25:56302
MATULE, A. J. Uranium recovery from Al alloyed fuel ICPP Run No. 25, 24:9430 (IN-1329)
MATULENKO, J. Reaction $\pi^-p \to \pi^0n$ at 4.0 GeV/c, 23:27751
MATULENKO, Yu. A. Magnetic spectrometer with two strong-focusing magnets for analysis of particles up to 6 GeV/c, 22:38072
Structure in elastic backward π^+p-scattering, 21:7464 (JINR-P1-3008)
Structure in π^+p elastic backward scattering, 21:17057
System of connection of scintillation hodoscope in line with computer Minsk-22, 23:45543 (IFVE-SEF/SVM-68-78)
MATULIS, A. Yu. Application of the techniques of the perturbation theory of calculating the ionization energy of the lithium atom, 23:41928 (ANL-Trans-767)
Theory of perturbations of the autoionization levels of two-electron atoms, 25:14049
MATULIS, C. E. Nondestructive determination of thoria in sintered thoria—beryllia blocks, 22:42582 (AAEC/TM-446)
MATULIS, Yu. Yu. Conference on studies of electroprecipitation of metals, Vilnyus, USSR, 12/68, 23:48399
Electrodeposition of magnetic Co—W alloys in presence of addition agents, 25:40007
Electrolytic deposition of manganese—molybdenum alloys, 22:15158
MATULYAVICHENE, N. I. About some methods which may be used in investigating the dynamics of accumulation of radioactive isotopes in a fresh water eko-system, 23:26713
Coefficients of accumulation of radioisotope ^{59}Fe by certain species of fresh water plants, 24:50697
Pecularities of the water basin model used in investigating the accumulation of radioactive substances with the help of eko-system components, 23:26714
MATULYAVICHYUS, V. P. About some methods which may be used in investigating the dynamics of accumulation of radioactive isotopes in a fresh water eko-system, 23:26713
Device for continuously recording atmospheric radioactivity, 24:48182
Measurements results of natural atmospheric radioactivity, 22:47243
Pecularities of the water basin model used in investigating the accumulation of radioactive substances with the help of eko-system components, 23:26714
MATUMOTO, Ken-iti Systematics and phenomenology of the strong interaction of baryons, 21:46577
Universality and regularities of the deviation of strong interactions of hadrons, 21:25283
MATUMOTO, Minoru Enhancement of measles virus replication in ultraviolet-irradiated cells, 22:45736
MATUMOTO, Sigeki Neutron irradiation test of heavy section steels for nuclear reactor pressure vessels, 22:34088
MATUMOTO, Zyun-itiro Decay scheme of 5.3 h ^{113}Ag and 1.2 min /sup 113m/Ag, 25:5754
Systematics of collective states of even-even nuclei in the rare earth region, 22:48517 (JAERI-1158, pp 39-46)
MATUNAMI, Tadao Estimation of the size distribution of uranium oxide particles by alpha-ray spectrometry, 24:4272
MATUR, H. Optics of the 75 cm hydrogen bubble chamber. I, 25:57826 (SJC-T-71-3)
MATURI, M. Coexistence of single- and two-particle condensation in interacting boson gas, 23:48856
MATUS, L. Collision mechanisms of ion—molecule reactions at energies of 1 eV, 21:18425
Determination of MI-1305 mass spectrometer D/H ratio by using modulated accelerating voltage, 25:41729
Kinematic investigations of ion—neutral collision mechanisms at approximately 1eV, 22:36737
MATUS, Lajos Determination of boron-isotope composition on the basis of the mass spectrum of methyl borate, 21:2984
Mass spectrometric analysis of boron isotopes in trimethyl borate, 21:25782
MATUSEVICH, E. S. Angular distribution of γ dose rate behind graphite shielding, 22:22197
Characteristics of the interaction of high-energy nucleons with nuclei, 24:5446
Cross sections for fission of ^{209}Bi, ^{233}U, ^{238}U, ^{237}Np, and ^{239}Pu by 1 to 9-GeV protons, 23:5866 (BNL-tr-235)
Distribution of secondary neutrons produced by 660-MeV protons in blocks of graphite and Ni, 21:21474
Dose of neutrons produced by 660-MeV protons behind flat shielding, 21:21508

Fissionability of nuclei in the region $Z^2/A > 35$ by high-energy protons, 21:1091
Flux and dose of secondary nucleons on irradiating a plane titanium shield with 660-MeV protons, 22:31912
Gamma radiation from C, Al, Ti, Nb, and U thick targets in reactions induced by 10.5-MeV protons, 23:36757
Gamma radiation from Li, C, Al, Ni, Cu, Nb, Cd, Ta, and Pb targets bombarded by 21-MeV protons, 23:42381
Gamma radiation from Li, C, Mg, Al, Ni, Zn, Zr, Ag, Ta, Au, and Pb targets bombarded by 42-MeV alpha particles, 23:42380
Investigation of nucleons emitted from ^{9}Be and ^{4}He during bombardment with 660-MeV protons, 22:11582
Mean number of secondary neutrons evaporated from nuclei bombarded by high energy protons, 22:20127
Physical investigation of reactor shielding, 22:33122
Physical research into reactor safety, 21:30232
Physics of reactor shielding, 23:33045 (AEC-tr-6879)
Principles of experimental methods for nuclear physics, 25:53797
Proton fission cross sections of ^{209}Bi, ^{235}U, ^{238}U, ^{237}Np, ^{239}Pu for proton energies 1 to 9 GeV, 22:46804
Reaction of Li + ^{4}He, Li + ^{2}H, and Li + ^{1}H as cyclotron sources of fast neutrons, 22:20387
Spectra of air-scattered neutrons from Po—Be alpha source surrounded by iron shielding, 21:21047
Yield of neutrons from thick targets bombarded by 11.5- and 23.5-MeV protons, 25:31209
MATUSEVICH, L. L. Dimerization of pyrimidine bases of DNA of HeLa cells during ultraviolet irradiation and cutting out of dimers, 24:39545
MATUSH, L. MI-1305 mass spectrometer for isotopic analysis of natural C and O, 21:1689
MATUSHEVSKAYA, N. F. Aluminum-rich alloys of Zr—Ni—Al system, 21:22892
X-ray structural analysis of Nb—Ni—Al alloy, 21:39651
MATUSSEK, P. Radiative neutron capture in fissionable nuclei, 24:47639
Studies of radiative neutron capture and delayed fission gamma-ray spectra from uranium and plutonium as a basis for new nondestructive safeguards techniques, 25:3649 (KFK-1214)
MATUSZEK, J. Crystal spectrometer for polarized neutrons, 24:9670 (UCRL-Trans-10421)
Production and study of polarized monochromatic slow neutron beams, 24:15760 (UCRL-Trans-10423)
Radiative capture of thermal neutrons by ^{48}Ti, 22:9826
Systematic errors in anti τ measurements with Gd-loaded liquid scintillator, 25:48943
MATUTANO ARANDA, J. I. Gamma radiation preservation of fish fillets, 25:24502
MATUURA, Nobuo Analysis of topside ionospheric data from Alouette II over Japan. I, 22:52664
Ionospheric effects of the faster rotation of the upper atmosphere, 23:46366
Proton cyclotron echoes in the topside ionosphere, 23:48830
Reaction rates in the F region, 21:9419
Structure of topside ionosphere, 23:44319
Structure of topside ionosphere over Japan, 23:46369
MATVEENKO, A. V. Dynamic symmetry in quantum mechanics, 22:9647
Mesic atom processes in hydrogen, 25:4952 (JINR-P4-5039)
Slow collisions in a three-body system involving Coulomb interaction. III, 24:35193
Slow collisions in system of three bodies interacting according to Coulomb law, 24:12650
Slow collisions in system of three bodies interacting according to Coulomb law, 25:24878 (JINR-P4-5608)
Slow collisions in system of three bodies interacting according to Coulomb law, 25:49735 (ITF-71-14-P)
Slow collisions in three-body system with Coulomb interaction. IV, 25:16797
MATVEENKO, E. G. Study of distribution of radioactive substances in the human body by means of a background-free chamber, 24:41751
MATVEENKO, I. I. Conduction band of IVa and Va subgroup transition metal monocarbides. I, 25:12024
Conduction band of IVa and Va subgroup transition metal monocarbides. II, 25:38579
Magnetic susceptibility and energy band structure of zirconium monocarbide, 24:6651
Magnetic susceptibility of niobium and tantalum monocarbides at low temperatures, 23:48991
Magnetic susceptibility of solid solutions of ZrC and NbC, 24:26323
Nature of the bond and electrical conductivity of cubic zirconium carbides and oxycarbides, 25:43491
MATVEENKO, I. P. Investigation of two-region systems by pulsed neutron, 24:33496
Measurement of diffusion parameters of Zr hydride by means of pulsed-neutron source method, 22:2690
Study of highly enriched U—H$_2$O deep subcritical systems, 22:44905
MATVEENKO, L. I. Investigation of the Crab Nebula at 8.2 mm, 22:831
Lunar occulation of the Crab Nebula, 22:13110
Measurement data of some radio sources at the wavelength 5.2 cm, 22:43819
Position of source of small angular size in Crab Nebula, 23:5157
Radio brightness distribution of Crab Nebula at 32.5 cm wavelength, 23:51219
Radio emission from Crab Nebula and some quasars, 25:22288
Radio map of the Crab Nebula at lambda3.5mm, 25:40251
Radio-brightness distribution of Crab Nebula, 22:45894
Relation between pulsar NP 0532 and small-angular-size radio source in Crab Nebula, 25:7008
Right ascension of the Crab Nebula, 24:12571
Small angular size source in Crab Nebula, 24:42385 (CSIRO-Trans-10121)
Spectra of the radio sources 3C 273 and 3C 84 at millimeter and centimeter wavelengths, 21:565
Study of the structure of radio sources, 25:43064
Variability of flux densities of some radio sources at frequency of 5760 MHz, 23:36347
MATVEENKO, O. G. Efficiency of using hydrogen in high-current ion source with magnetized plasma emitter, 22:32385
Injector of continuous beams of hydrogen ions with current of 0.5A and 115 keV energy and helium with 0.15A and 75 keV energy, 22:32391
Ion gun 650 mA, 22:32386
Universal apparatus for measuring the parameters of strong ion beams, 25:43746
MATVEENKO, V. I. Determining the reactivity reserve, 24:43723
Physical characteristics of Sever Mobile Nuclear Power Plant, 25:23384
Physical characteristics of the Sever mobile nuclear power plant, 24:47927
Physical characteristics of water-moderated water-cooled reactor, 22:20812 (FEI-88)
Physical characteristics of water-moderated water-cooled reactor with burnable poisons, 22:42355 (ANL-Trans-637)
Study of highly enriched U—H$_2$O deep subcritical systems, 22:44905
MATVEENKOV, F. I. Influence of starting parameters on ripple formation in explosive welding of metals, 25:31736 (SCL-T-710240)
MATVEEV, A. B. Nomograms for the calculation of the concentration of radioactive elements in rocks, 21:43068 (AEC-tr-6903)
MATVEEV, A. N. Handling of radioactive wastes at Soviet atomic power stations, 23:40969 (JPRS-48229)
Radioactive waste handling at Soviet atomic power stations, 23:28981
MATVEEV, G. M. Dispersion hardening of metal—base compositions, 23:27155
Mechanism of joint formation in the solid-state welding of Nb/Al oxide composites, 23:27023
MATVEEV, N. P. Formation of structure of fuel element core of metallic uranium in process of irradiation, 25:52406 (JPRS-53800, pp 245-51)
Methodological problems of testing fuel elements in loop channels of SM-2 and MIR reactors, 25:34403 (JPRS-53069, pp 176-87)
MATVEEV, O. A. CdTe detectors, 22:40390
Gamma spectrometry based on germanium detectors, 21:28218 (ORNL-tr-1651)
Gamma spectrometry by cadmium telluride (CdTe) n-p counters (solid state), 22:28139
Semiconductor nuclear particle counters, 21:16148 (AD-644024)
Spectrometry of alpha particles by n—p counters based on cadmium telluride, 22:21343
MATVEEV, O. E. Gamma spectrometers with germanium detectors, 22:14798
MATVEEV, O. G. Preparation of phenylxenonium derivatives in β decay of radioactive iodine in diphenyliodonium salts, 23:6193
MATVEEV, V. Poisson distribution of secondary particles in straight-line paths, 25:53228
Quasi-potential smoothness in quantum field theory models, 25:41072
MATVEEV, V. A. Account of corrections to the eikonal approximation in the quasipotential approach, 25:17584 (JINR-E2-5244)
Account of radiation corrections for the eikonal scattering amplitude in quantum field theory model, 24:24444 (JINR-E2-4983)
Adler—Weisberger relation and dispersion sum rules in the theory of strong interactions, 21:21210
Approximate method of solving the quasipotential equations, 25:45795 (JINR-E2-5833)
Automodelity hypothesis and asymptotic behavior of strong, electromagnetic, and weak interactions at high energies, 25:50116 (JINR-E2-5962)
Average multiplicity asymptotic behavior and diffraction mechanism of particle interactions at high energies, 25:50115 (JINR-E2-5898)
Coherent state method in the problems of high-energy hadron interactions, 24:35615 (JINR-E2-5141)
Coherent state model of high-energy hadron collisions, 25:45722 (ITF-70-99, pp 102-12)
Corrections to the eikonal approximation in the quasi-potential approach, 25:17592
Dispersion sum rules for annihilation process, 21:917 (JINR-P-2879)
Dispersion sum rules for annihilation b + anti b $\rightarrow$ P$_1$ + P$_2$, 21:33695
Dispersion sum rules in theory of strong interactions, 21:17101 (JINR-P2-3118)
Dispersion sum rules in theory of strong interactions, 22:11644 (ITF-67-13)
Duality and finite-energy sum rules, 24:40500
Dynamical moments of currents of composite particles in quantum field theory, 22:41844 (JINR-P2-3847)
Eikonal approximation in quantum field theory by functional integration method, 24:1637 (JINR-E2-4692)
Eikonal approximation in quantum field theory, 24:43026
Elastic pp and np scattering at high energies in quasipotential model, 24:3518
Exchange quasipotential for the high-energy π^{+-}p-scattering and the problem of linearity of the Regge trajectories, 25:1527 (JINR-E2-5226)
Field algebra and SU(2) x SU(3) x T$_{14}$ symmetry group, 22:41829 (JINR-P2-3858)
General analysis of the meson—nucleon scattering based on the functional integration method, 25:50135 (JINR-E2-5897)
Glauber representation for high energy scattering of Dirac particles on smooth potentials, 23:36951 (JINR-E2-4455)
High-energy elastic and inelastic hadron collisions, 25:9751
Mass spectrum of di-muon produced in strong interactions, 24:10735 (JINR-P2-4824)
Muon pair production in strong interactions and the asymptotic sum rules, 23:36901 (JINR-P2-4543)
Muon pair production in strong interactions and the asymptotic sum rules, 23:49173 (SLAC-Trans-98)
Perturbation theory, finite-energy sum rules and a generalized Veneziano representation, 24:33059
Poisson distribution of secondary particles in straight-lin paths approximation, 25:3407 (JINR-E2-5329)
Problem of quasipotential smoothness in quantum field theory models, 25:5387 (JINR-E2-5365)
Quasipotential formalism for the two-particle system with spins 0 and $^1/_2$, 25:59422 (JINR-E2-6046)
Quasipotential smoothness in quantum field theory models, 25:7721
Quasipotential theory of high-energy hadron scattering, 23:44668 (IC-69/87)
Quasipotential theory of high-energy hadron scattering, 25:59442
Relativistic model of meson resonances with a linear spectrum, 22:41804 (JINR-P2-3859)
Relativistic quasipotential model of particle scattering at high energies, 23:17002 (JINR-E2-4251)
Relativistic quasipotential model of particle scattering at high energies, 23:27894
Relativistic quasipotential model of particle scattering at high energies, 23:46690
Relativistic two-body problem with separable interaction, 22:39301 (JINR-P2-3865)
Relativistically covariant equations for two particles in quantum field theory, 21:44432 (JINR-E2-3498)
Relativistically covariant wave equations for N particles in quantum field theory, 22:41845 (JINR-P2-3900)
Relativistically invariant equations for compound particles and form factors, 22:13690
Representation of scattering amplitudes as continual integrals over paths in quantum field theory, 25:50146 (JINR-E2-5851)
Scalar particle scattering amplitude analyzed on the basis of the Bethe—Salpeter equation, 25:25341 (JINR-E2-5640)
Spin effects at high energy in quasipotential approach, 25:36504 (JINR-E2-5770)
Straight-line particle path approximation in description of high-energy hadron scattering, 25:19927
Straight-line particle paths approximation for description of high-energy hadron scattering in quantum field theory, 25:17498 (JINR-E2-5217)
Sum rules, symmetry, and quark structure of currents, 21:21154 (JINR-P2-3195)
MATVEEV, V. B. Excitation of Cs II resonance lines in process Cs$^+$ + He, 23:32165
Excitation of K II resonance lines in collisions between K$^+$ ions and He atoms, 22:50038
Excitation of K$^+$, Rb$^+$ and Cs$^+$ ions in slow collisions with inert gas atoms, 24:10380
Invariance principle for generalized wave operators, 25:52978
MATVEEV, V. I. Basic principles for selecting regulating organs for fast power reactors, 23:52330 (JPRS-48331, pp 301-42)
Rhenium and its alloys with boron as effective neutron absorbers, 25:32771
Selecting control elements for fast power reactors, 23:43119
MATVEEV, V. K. Dielectric behavior of some irradiated polymers, 24:12499
Dielectric properties of poly(tetrafluoroethylene) on irradiation with ^{60}Co γ rays and fast electrons, 24:38915
MATVEEV, V. M. Account of closed loops and relativistic eikonal representation, 25:45767 (JINR-E2-5827)
MATVEEV, V. N. Thermal conductivity and crystal structure of β-rhombohedral B, 24:3019
MATVEEV, V. V. Design of nuclear instruments, 25:23805
Development of scintillation and ionization methods in radiometry and dosimetry, 22:43126
Optimizing the parameters of radiometric equipment when determining low levels of radiation, 25:42102
Radiation monitoring system for water-cooled nuclear power plants, 25:53987 (A/CONF.49/P-687)
Radiometric and radiation monitoring equipment of the near future, 25:42101
Use of semiconductor detectors with electron-hole transitions in nuclear instrumentation, 22:8342
Work of the Union Scientific Research Institute of Instrument Construction, 22:6554
MATVEEV, Yu. E. Crystallization of gallium-based alloys at high growth rates, 25:49392
Laws of crystallization of metallic systems, 24:19407
MATVEEV, Yu. G. Beam control system of the electron storage ring VEP-1, 21:29742
Reflection coefficient for a plane-layered lunite medium for different angles of incidence of electromagnetic waves, 22:827
Results of measurements of lunar radio emission at 25.0 and 30.2 cm, 22:7099
MATVEEV, Yu. V. Adiabatic calorimetry of reactor radiations, 24:16899
Plasma heating and stability in a combined pinch, 25:38332 (CONF-710607-13)
Plasma losses in high-current plasma configurations due to the inverse skin effects, 25:58967
Relaxometers for reactor radiation, 25:439
Role of recurring discharge ignition in dynamic Z pinch, 25:59015
Role of repeated discharges in Z-pinch dynamics, 24:5162 (NP-18065)
Role of repeated ignition of discharges in zeta-pinch dynamics, 24:49131 (AEC-tr-7170)
MATVEEVA, A. V. Radiation-induced chain polymerization at 4.2°K, 22:4186

- MATVEEVA, E. N. Aging of plastic scintillators with a polystyrene base, 24:27367
  - Degradation of the luminescence of plastic polystrene scintillators, 25:8582
  - Effect of natural lighting on plastic scintillators, 25:8528
  - Effect of ultraviolet radiation on plastic scintillators with p-terphenyl, 25:42231
  - Liquid water—oxane scintillators, 21:22151
  - Mechanical quenching of the light of liquid scintillators, 25:8526
  - Quenching of light bursts in liquid scintillators, 24:11785
  - Quenching of light flashes in liquid scintillators, 22:40360 (JINR-P13-3894)
- MATVEEVA, E. T. Excitation of micropulsations in solar activity cycle, 24:1338
  - Micropulsations (Pc1) during sudden deformation of magnetosphere, 23:20808
  - Micropulsations of electromagnetic field of the earth associated with proton flare of July 7, 1966, 23:10561
  - Micropulsations of the electromagnetic field in connection with the proton flare of July 7, 1966, 23:22826
  - Rapid variations of the electromagnetic field as an indication of the state of the radiation belts and the geomagnetosphere, 21:24984
  - Relationship between 11-year cyclic variations in pulsations of the pearl type (Pc1) and solar activity, 23:20807
  - Relationship between pulsations of the Pcl type and magnetic storms, 22:48019
  - Relationship between type Pcl oscillations and magnetic storms, 22:38888 (N-68-18047)
- MATVEEVA, L. I. Comparative effect of irradiation on the protein composition of the blood serum with sources with different energy, 22:28387
- MATVEEVA, L. P. Production of fluorinated polymers by radioinduced reaction of unsaturated hydrocarbons with fluorocarbons, 23:35220
- MATVEEVA, M. P. Effect of Nd, Y, and Hf on the hardness and microstructure of Cr, 22:38549
  - Thermal etching of β-alloy of the system Ti—Mo—Fe—Al, 21:26855
- MATVEEVA, N. M. Effect of niobium on superconducting properties of alloys with ZrV_2 as base, 22:31754
  - Equilibrium diagrams of metallide systems, 23:30066
  - Interaction of compounds Nb_3Al and Mo_3Al, 22:38573
  - Phase equilibria and superconductivity in the V_3Al—V_3Sn system, 25:30416
  - Superconducitivity in Nb_3Al—Mo_3Al system, 22:19915
  - Transition temperature in systems Zr—V and Zr—V—Nb, 25:36042
- MATVEEVA, N. P. Determining lithium by means of reactions $^{6}Li(n,\alpha)^{3}H$ and $^{16}O(t,n)^{18}F$, 21:34221
  - Rapid determination of tungsten and hafnium in pure molybdenum, 23:40592
  - Sensitivity of activation analysis from short-lived isotopes, 23:35037
  - Sensitivity of the activation analysis on short-lived isotopes, 25:48 (CSIRO-Trans-10089)
- MATVEEVA, R. M. Oxidation of beryllium—platinum alloys, 25:37928
- MATVEEVA, S. A. Biological action of butylated hydroxytoluene as radioprotector, 25:46900
- MATVEEVA, T. V. Corrosion and electrochemical behavior of rhenium, 23:8123
- MATVEEVA, V. V. Applied scintillation gamma spectrometry, 23:41052
- MATVEEVSKII, R. M. Scintillation properties of certain lubricating oils. I, 23:35481
- MATVEJEVA, M. D. Mutagenic effect of fast neutrons on microorganisms, 25:52018 (A/CONF.49/P-690)
- MATVEYEV, A. I. Method for resistance welding of Mo, 23:51021
- MATVIENKO, B. V. Beryllium base cermets. I, 22:47699
  - Beryllium base cermets. II, 22:52277
- MATVIENKO, L. A. Peculiarities of thrombocytes in patients with polycythemia in connection with radiophosphorus therapy, 21:41467
- MATVIENKO, N. I. Dose—effect curves under UV irradiation of phage S/sub d/, 24:48517
  - Production of partial diploids in bacteriophage, 22:40625
  - Reactivation of premutational lesions in uv-irradiated extracellular bacteriophage lambda, 24:51111
  - Target of recombination in crosses of different mutants of phage T4, 25:55173
- MATVIENKO, V. I. Investigation of angular distribution of α-particles from aligned ^{233}U nuclei at super low temperature, 22:32594
  - Luminescence and sensitivity of nuclear photoemulsions, 23:43558
  - Luminescence damping and low-temperature sensitivity of nuclear photographic emulsions, 23:17768
  - Measuring ^{238}U fission cross section for 2.5 MeV neutrons, 25:34113
  - New type of regression of the latent image in the nuclear emulsion at the liquid-helium temperature, 22:33639
  - Photometric properties of photographic layers irradiated by charged particle flux, 23:4816
  - Radioluminescence of the photographic film backing, 22:23337
  - Sensitivity of nuclear photoemulsions doped with Cd, 24:16846
- MATWIJEWICZ, J. Effects of hypopotassemia on the bioelectric activity of skeletal muscles in the chronic cor pulmonale syndrome, 23:41219
- MATYAGIN, V. S. Models for scattering in a spherical nebula, 22:45881
- MATYAS, C. Some quantitative relations on the radioactive minerals leaching processes, 24:2283
- MATYAS, E. Problems of a Na-loop at temperatures up to 800°C, 21:30969
- MATYAS, Milos Structure of the surface of zinc oxidized at various temperatures, 22:15576 (UCRL-Trans-10207)
- MATYASH, P. P. Device for measuring total proton cross sections of reactions, 25:20176
- MATYASHCHUK, I. V. Electrochemical properties of heptavalent neptunium, 24:9307
- MATYASOVA, J. DNP composition of irradiated and non-irradiated mice, 25:24410
  - Effect of cytostatic alkylating agents on deoxyribonucleo protein complex of lymphatic and haemopoetic tissue, 21:10798
  - Post-irradiation changes in deoxyribonucleoprotein complex in animal tissues, 21:6416
  - Sensitivity of the deoxyribonucleoprotein of irradiated tissues to heparin, 21:20040
- MATYASOVA, Jitka Effect of radiation on deoxyribonucleoproteins in animal tissue. III, 22:23445
  - Effect of radiation on deoxyribonucleoproteins in animal tissues. IV, 25:44915
- MAT'YAZH, V. A. Influence of deformation rate on deformability of Mo—0.5 percent Ti alloy, 25:42833
- MATYJA, H. Effect of crystal structure of U on growth of intermetallic phase UCu_5, 21:22889 (N-66-21790)
  - Interdiffusion in U-PAR1/Al,Mg,Si/system, 23:41653 (INR-1037)
- MATYS, V. Method of producing gaseous heavy H, 23:21782
- MATYS, Vlastimil Compression of heavy hydrogen isotopes, 23:2264
- MATYSIAK, T. Pneumatic system for short activations, 21:26024 (INR-757/XI/R)
- MATYUKHA, V. A. Types of tetravalent plutonium in oxalate solutions, 23:4635
- MATYUKHIN, S. S. Automatic precise field measurements in magnets of IHEP accelerator, 24:37983 (CERN-Trans-70-4)
- MATYUKHIN, V. V. Continuously-active indicator for the diffusion of hydrogen in sodium, 25:11400
- MATYUKOV, M. D. Stabilization and measurement of the current of a pulsed-beam electron linear accelerator, 22:18057
- MATYUSHENKO, N. N. Dicarbides of europium and other rare-earth metals, 22:50247
- MATYUSHIN, A. T. Debye approximation applied to the avalanche to stream transition, 25:17146 (JINR-P13-5504)
  - Four-channel high voltage source with stabilization and adjustment in range from 5 to 25 kV, 22:38161
  - High voltage generator for spark chamber with gap from 1 to 15 cm, 22:38082
  - Investigation of the model of the 2-meter streamer chamber of the SCM-200 assembly, 25:18774 (JINR-P13-5529)
  - New method of taking information from spark chambers, 25:42147
  - New method of the information extraction from spark chambers, 24:27403 (JINR-P13-5016)
  - Spark chambers with 10-cm gap in apparatus for investigation of resonance radiative decay, 22:38090
  - Symmetric system of spark chamber with double wire electrodes, 21:45398
  - Symmetric system of wire electrodes in isotropic spark chamber, 21:6245
  - Wire spark chamber with external acoustical transmitting element, 21:22148
- MATYUSHIN, V. T. Debye approximation applied to the avalanche to stream transition, 25:17146 (JINR-P13-5504)
  - Four-channel high voltage source with stabilization and adjustment in range from 5 to 25 kV, 22:38161
  - High voltage generator for spark chamber with gap from 1 to 15 cm, 22:38082
  - Investigation of the model of the 2-meter streamer chamber of the SCM-200 assembly, 25:18774 (JINR-P13-5529)
  - New method of taking information from spark chambers, 25:42147
  - New method of the information extraction from spark chambers, 24:27403 (JINR-P13-5016)
  - Spark chambers with 10-cm gap in apparatus for investigation of resonance radiative decay, 22:38090
  - Symmetric system of spark chamber with double wire electrodes, 21:45398
  - Symmetric system of wire electrodes in isotropic spark chamber, 21:6245
  - Wire spark chamber with external acoustical transmitting element, 21:22148
- MATYUSHOVA, V. G. Radiation cross section of unsaturated oligo esters of urethanes with styrene, 23:33216
- MATZEU, M. Spectral modifications in uv irradiated solutions of T_2 phage DNA, 24:48750 (ISS-69/38)
- MATZIOLIS, M. Photoproduction of negative pions on neutrons, 23:13024
  - Photoproduction of rho^0 mesons on deuterons between 1 and 5 GeV, 24:40225 (DESY-70/16)
  - Photoproduction of rho^0 mesons on deuterons between 1 and 5 GeV, 25:3246
- MATZKANIN, G. A. Knight shifts of ^{31}P in paramagnetic state of UP—US solid solutions, 23:3560
  - NMR and relaxation of ^{31}P in UP—US solid solutions, 24:10645
  - Nuclear magnetic relaxation of ^{31}P in diamagnetic ThP, 23:27715
  - Relation between NMR properties of ^{31}P in paramagnetic state of UP/sub 1-x/S/sub x/ system and magnetic ordering, 24:24183
- MATZKANIN, Ted Measurement method for polystyrene, 25:44228 (BDX-613-355)
- MATZKE, H. J. Proton and alpha-particle channeling as a tool for locating foreign atoms in crystals, 21:3932
- MATZKE, Hansjoachim Mobility of tritium in silver and aluminium after ion bombardment, 21:39632
- MATZKE, Hj Fractional release of gases from a sphere after recoil bombardments, 21:36057 (EUR-3488.e)
- MATZKE, Hj. Determination of rare gas diffusion following recoil labelling of plane or spherical solids, 22:6338
  - Deuteron and helium ion channeling in uranium carbide, 25:1273
  - Diffusion in inert-gas bombarded KCl, KBr, and KI, 22:17774
  - Diffusion of krypton in cesium and rubidium iodide, 24:28432
  - Diffusion of tritium from lithium fluoride, 21:2295
  - Diffusion of tritium in quartz and fused silica, 21:34313
  - Effect of bombardment temperature on the trapping of xenon in some oxides and halides, 23:8672
  - Effect of TiO_2 additions on sintering of UO_2, 21:9215
  - Fission gas release studies, 23:34094
  - Inert gas diffusion and radiation damage in ionic crystals and sinters following ion bombardment, 22:26484
  - Interstitial diffusion of emanation in UC single crystals, 23:25448
  - Ion bombardment induced phase transformations and inert gas mobility in semiconductors, 24:40165
  - Ion bombardment study of behavior of rare gases in UO_2, 25:58413
  - Location of inert gas atoms in KCl, CaF_2, and UO_2 crystals by H^+ and He^{2+} "channeling" studies, 21:16970
  - Mobility and precipitation of rare gases in solids during annealing following ion bombardment, 25:58412
  - Penetration of 40-kev xenon ions in ionic crystals and ceramics, 21:2331
  - Radiation damage and Xe release in quartz and fused silica, 21:2294
  - Rare gas diffusion in NaCl, 23:42427
  - Rare gas mobility in pure and doped potassium bromide, 21:27965
  - Rare-gas mobility in some anisotropic ceramic oxides, 21:41681
  - Release of some non-gaseous fission products from CaF_2, UO_2, and ThO_2, 21:46031
  - Stabilization of radiation damage by rare gas atoms, 23:34123
  - Surface oxidation of UC single crystals at room temperature, 23:44001
  - Trapping of fission Xe in neutron irradiated UC, 24:4323
  - Uranium self-diffusion in UO_2 and UO/sub 2+x/, 23:34101
  - Xenon migration and trapping in doped ThO_2, 21:9229
- MATZKE, M. Cadmium ratio in the neighborhood of a neutron source in water, 24:52358 (FMRB-6)
- MATZKOVYAK, I. Antimetabolites in the treatment and prophylaxis of radiation sickness, 23:31820
- MATZKU, S. Experimental bone scintigraphy in animals, 25:11216
- MATZNER, B. Experimental critical heat flux measurements applied to a boiling reactor channel, 21:40635
  - Heat flux measurements in BWR fuel assembly, 23:52345
  - Heat fluxes in internally heated annuli, 21:43158
  - Instabilities in flow through multirod bundles and their effect on dryout, 22:53257 (AECL-2716)
  - Sixteen-rod heat flux investigation, steam—water, 24:19148
- MATZNER, Bruce Critical heat flux in a 9' long, closely spaced, 19-rod bundle with unheated central rod, 23:17190 (TID-24956)
- MATZNER, R. A. Perturbations in anisotropic Euclidean-homogeneous cosmologies, 25:43096
- MATZNER, Richard Computer programs for calculating general-relativistic curvature tensors, 21:29397
- MATZNER, Richard A. Almost symmetric spaces and gravitational radiation, 23:1690
  - Anisotropy in nonrotating Bianchi type-V cosmologies, 23:48689
  - Collisionless radiation in closed cosmologies, 25:47312
  - Cross-section energy dependences in calculations of cosmological viscosity, 23:46240
  - Dynamics of SO(3,R)-homogeneous cosmologies, 24:32606
  - Gravitational field equations for sources with axial symmetry and angular momentum, 21:18860
  - Present temperature of primordial blackbody gravitational radiation, 23:8426
  - Scattering of massless scalar waves by Schwarzschild "singularity", 22:28983
  - Stationary axisymmetric solutions of the Einstein field equations, 25:40313
  - Three-sphere "backgrounds" for space sections of Taub cosmological solution, 22:45880
- MAU, R. Vinh Connection between Wigner inequalities and analyticity and unitarity, 22:15783
  - Electromagnetic form factor, 23:18841
  - Pion electromagnetic form factor, 22:46369
- MAU, S. Treatment of vaginal carcinoma, 21:36625
- MAU, Sigrid Investigation on significance of the nuclear segment index of neutrophil granulocytes in estimation of radiation, 22:40907
- MAUBACH, K. Use of neutron-absorbing additions to the coolant for shutdown of fast sodium-cooled reactors, 24:26792 (KFK-1153)
  - Use of neutron-absorbing additives in the coolant, 24:52934
- MAUBERT, Louis Criticality of liquid mixtures of highly-enriched UF_6 and HF, 22:48735 (NP-17606)
  - Criticality of liquid mixtures of highly ^{235}U-enriched uranium hexafluoride and hydrofluoric acid, 25:51545 (Y-CDC-9)
  - Neutron interaction in vessels containing U or Pu solutions, 24:22924 (CEA-R-3946)
- MAUCERI, Frank A. Classical mechanical isotope effect. Effect of ring deuterium on the rate of pyrolysis of 1,1'-diphenylazoethane, 25:39502
- MAUCK, G. Nucleons in the atmosphere, 22:5176
- MAUCLAIRE, G. Free radicals produced in the gas phase by low energy electrons, 23:47535
- MAUDAL, S. Radiation load to the gonads in diagnostic and therapeutic procedures, 22:21506
- MAUDE, A. D. New method of analysis of ionospheric drift measurements, 22:47907

MAUDE, B. M. Preparation of ^{152}Eu(II) oxide, 22:16477 (AERE-R-5670)
  Preparation of saturated ^{64}Cu and ^{67}Cu perchlorate solutions in heavy water, 22:130 (AERE-M-1948)
  Separation of small quantities of mercury from gross amounts of silver in nitric acid solution, 22:21151 (AERE-M-2008)
MAUDER, H. Binary system chi^{1} Hydrae = BV 722, 24:19605
MAUDER, Horst Eclipsing variable chi^{1} Hya = BV 722, 23:39089
  Three color photoelectric photometry of cepheid variable AX Cir = BV 428, 23:10343
MAUDERLI, W. Measurement uncertainty, caused by the finite length of the detector, 24:36758
MAUDERLI, Walter Coordinate measuring device for radium applications, 25:19004
  Effect of radionuclide contamination on the calibration of ^{99}Mo, 25:26317
  Internal distribution and absorbed dose calculations for radioactive indium liver and lung scanning agents, 24:44506
  New dose calibrator for nuclear medicine, 25:18723
MAUDERLY, J. L. Toxicity of inhaled ^{144}Ce fused clay in beagle dogs, 24:34623 (LF-41, pp 19-35)
  Toxicity of inhaled ^{144}Ce fused clay in beagle dogs. III, 25:29436 (LF-43, pp 183-7)
  Toxicity of inhaled ^{90}Sr fused clay in beagle dogs. I, 25:29437 (LF-43, pp 188-96)
  Toxicity of inhaled ^{90}Y fused clay in dogs, 24:34625 (LF-41, pp 46-58)
  Toxicity of inhaled ^{90}Y fused clay in beagle dogs. II, 25:29434 (LF-43, pp 146-62)
  Toxicity of inhaled ^{91}Y fused clay in beagle dogs. I, 25:29435 (LF-43, pp 163-70)
  Toxicity of inhaled β-emitting radionuclides, 25:32529 (CONF-700501-, pp 395-415)
MAUDINET, Louis Nuclear reactor safety system, 22:18627
MAUDSLEY, D. Dynamic model and experimental controller for the Liverpool and Manchester Universities Research Reactor, 23:43155
  Identification of a nuclear reactor control system by cross correlation, 24:29088
MAUDSLEY, David V. Prog. rpt. on studies on biologically active amines, annual, 6/15/68—6/15/69, 23:41229 (NYO-2085-13)
MAUDUIT, B. Packaging for transport of radioactive materials, 22:292
MAUERSBERGER, K. Determination of the relative abundance of deuterium in water by measurement of electric conductivity, 21:25776
  Mass spectrometric determination of neutral constituents in lower thermosphere above Sardinia, 22:15422
MAUERSBERGER, Kurt Analysis of stable isotopes by special methods, 23:43262
MAUERSBERGER, R. Experimental results with the individualizer disc-scrap separator combination, 25:46271 (EUR-4342)
  Studies on heat transfer conditions on pebble beds in core models, 25:46254 (EUR-4337)
MAUGEL, T. K. Leukemic and mononucleosis cell. III, 24:546
MAUGENET, J. Ergosterol in cells of irradiated Saccharomyces cerevisiae, 22:52020
  Sterol level in yeasts irradiated during culture, 23:45963
MAUGER, Annick Metamerism of the spinal pyteryla, studied in chicken embryo with localized x irradiation, 22:28652
MAUGER, J. Fractional parentage and the equations-of-motion method in pairing theory, 25:31453
MAUGER, Richard L. Geochronology of the emplacement, enrichment and preservation of Arizona porphyry copper deposits, 21:39033 (COO-689-76, App.A-III)
MAUGHAN, S. E. Mass discrimination in a time-of flight mass spectrometer. I, 23:4859
MAUGIN, G. Continuous medium deformation field in Minkowski space-time, 25:59562
MAUGUIN, M. Isomeric transition in organic systems containing bromine. II, 24:25092
MAUJEAN, M. Structures of ^{4}He and ^{3}He atoms excited by electron impact, 22:41327
MAUL, J. Deformation in ruthenium nuclei, 24:43386
MAUL, M. K. Equivalent circuit of a superconducting bolometer, 23:38363
  Excess noise in superconducting bolometers, 23:39420
MAULARD, Jean Grabs for handling nuclear fuel elements, 22:1901
MAULBETSCH, J. S. Prog. rpt. on boiling flow regimes and critical heat flux, 3/16/67—9/15/67, 22:24971 (NYO-3304-11)
MAULBETSCH, John S. Refrigerant forced-convection condensation inside horizontal tubes, 23:9638 (DSR-79760-59)
  Refrigerant forced-convection condensation inside horizontal tubes, 25:13151 (NP-18642)
  System-induced instabilities in forced-convection flows with subcooled boiling, 21:43174
MAULDIN, Jack L. Hydrodynamic studies of human low density lipoproteins. Evaluation of the diffusion coefficient and the preferential hydration, 25:31925
MAULDON, G. F. Electron beam therapy as a method of treatment of nasopharyngeal carcinoma, 23:6540
MAULL, K. Search for particles with partial charge in showers, 25:52989 (PITHA-48)
MAUN, J. Pulmonary fibrosis following radiotherapy, 24:25584
MAUNDERS, E. J. Assessment of the merit of meeting the rand base-load from a large nucle coastal installation, 25:34247
  Economic comparison of alternative power generation strategies, 24:28917
  Forecasting the role of nuclear energy in South Africa, 25:53985 (A/CONF.49/P-660)
  Neutron-chopper time-of-flight spectrum measurements on undermoderated graphite and beryllium systems, 21:19960
  PELINOMIC: computer program for calculating nuclear power costs, 24:41031 (PEL-197)
MAUNEY, T. H. Corrosion of zircaloy-2 by H_2O_2 at elevated temperature, 21:1867
MAUNG, M. T. K^{+}-meson branching-ratio measurement, 23:42547
MAUNG, T. Decay parameters and magnetic moment of the Ξ^{-}, 24:40281
  S-wave pion—pion scattering length, 25:9668
MAUNY, P. Heat-insulating concretes to be used in nuclear reactors, 24:14988 (CEA-CONF-1474)
  New types of concrete resistent to high temperatures for the protection of nuclear reactors, 23:10309 (CEA-CONF-1091)
  New types of thermal-shielding concretes for nuclear reactors, 25:30031 (EUR-4531, pp 975-1018)
MAUNY, Pierre Heat-insulating refractory concrete, 22:43635
  Neutron-protection material, 24:6254
MAUOROV, A. N. New sharp-focused sources from ^{192}Ir for radiography, 25:15857
MAUPIN, Robert System for breaking a moving mass, 23:11367
MAURA, G. Strontium-90 content of sound and carious human deciduous teeth, 22:51584
MAURA, Giancarlo Detection of traces of transition metals by formation of peroxy compounds and sorption on a chelating resin, 25:18343
  Effect of radiations on polymers in solution, 24:4328
MAURAKH, M. A. Determination of latent heat of fusion of zirconium, 21:30427
  Determining the latent heat of fusion of zirconium, 22:2617
MAURANDY, C. PERFOR I: calculation code of performances of an ORGEL type reactor, 23:15598 (EUR-4193)
MAUREL, B. Protection of personnel during the application of radioisotope method, 22:45579
  Use of radioactive tracers for measuring the density of the emulsion (water—steam) flowing in the water-wall tubes of industrial boilers, 22:14725
MAUREL, J. Phenix reactor block, 23:45038
MAUREL, Jean Electrically welding a thermocouple sheath, 22:4330
MAUREL, M. Efficiency of gamma detectors used in fast neutron experiments, 24:14244 (CEA-CONF-1432)
MAURENZIG, P. R. 1f/sub 7/2/ problem in nuclear spectroscopy, 23:46963
  Analysis of decay of two-neutron 8^{-} state in ^{174}Yb, 22:5823
  Anomalous log ft value in ^{114}In decay, 21:4291
  Coherence width of cross-section fluctuations and maxima in the excitation function, 21:13921
  Decay of ^{133}Ba and nuclear transitions in ^{133}Cs, 21:38326
  Decay of 23.0 min ^{79}Rb to levels in ^{79}Kr, 25:17787
  Decay scheme of ^{77}As, 24:5403
  Decay schemes of ^{91}Mo and /sup 91m/Mo, 25:10057
  Distribution of dose around applicator of Ogier—Scarpa, 23:35733
  Dose distribution surrounding a sealed linear radium source, 25:54923
  Eccentric pendulum movement in telecobalt therapy, 22:49349
  Effect of experimental resolution on the measured width of cross—section fluctuations, 22:30061
  Gamma decay of low-energy levels of ^{49}V, 25:45954
  Half-life of second excited state in ^{47}Ti, 23:42878
  K = $3/2^{+}$ rotational band in ^{47}Ti, 25:56693
  Level scheme of ^{43}Sc, 24:38197
  Lifetime of first excited state in ^{34}S, 24:30714
  Lifetime of the first excited state in ^{29}P and ^{29}Si, 24:1784
  Low-lying shell-model states in ^{50}V, 23:19241
  Masses of ^{201}Tl, ^{202}Tl, ^{202}Pb, and ^{203}Pb, 25:46041
  Properties of some excited states of ^{174}Yb, 21:13892
  Reaction (p,nγ) on ^{49}Ti and level scheme of ^{49}V, 21:44612
  Spin and parity of some excited states of ^{44}Sc, 25:59756
  Spins and parities of highly excited states in ^{24}Mg, 25:20291
  Strength of analog E2 transitions in ^{30}Si and ^{30}P, 24:26604
  System for inserting radioactive sources in vacuum, 21:3354
MAURER, A. Insurance of atomic risks, 25:4530
  Precision measurement of weak magnetic fields, 23:17015 (CERN-67-32)
MAURER, B. Blood activity of ^{125}I-fibrinogen in venous thrombosis, 24:50977
MAURER, E. Work of the foreign office lawyer in the field of peaceful uses of atomic energy, 24:9852
MAURER, G. Angular correlations and distributions in anti pp annihilation into eight and nine pions at 5.7 GeV/c, 23:14962
  anti pd$\pi^{+}\pi^{-}$ final state in anti pd coherent production at 5.5 GeV/c, 24:49316
  Antiproton—proton annihilation into six charged pions and resonance production in the anti pp $\rightarrow$ $3\pi^{+}3\pi^{-}\pi^{0}$ channel at 5.7 GeV/c, 22:22305
  Multipion production in anti pp annihilation and comparison with experimental data, 22:24637
  Observation of d^{*} effect in anti pd $\rightarrow$ p anti p π^{+} π^{-}n reaction at 5.55 GeV/c, 25:30727 (NP-18796)
  Possible N^{*} production of mass about 1.47 Gev/c^{2} in the $K^{-}p \rightarrow K^{-}p\pi^{+}$ channel at 1.45 Gev/c, 21:2384
  Study of anti pd $\rightarrow$ p/sub s/anti ppπ^{-} reaction at 5.5 GeV/c, 24:45419
MAURER, G. W. Implantable radioisotope-powered cardiac pacemaker, 23:35430
MAURER, H. Accident analyses and site conditions, 22:18447
  Availability of emergency core cooling systems mainly with regard to off-site and stand-by power provisions, 25:41267 (EUR-4517, pp 85-96)
  Reliability considerations for electro-mechanical and hydraulic control rod drive systems, 24:26744 (CONF-680666-1)
  Reliability considerations for mechanical components of control rod drive systems of gas-cooled power reactors, 24:26745 (CONF-690951-1)
  Treatment given to some specfic technical problems in safety reviews in Europe, 24:52947 (EUR-4467)
  Treatment given to some specific technical problems in safety reviews in Europe, 23:4153
  Treatment given to specific technical problems in safety reviews in Europe, 23:37364 (CONF-681101-37)
MAURER, H. A. Engineering safety factors and their influence of siting practices for nuclear power plants in the European Communities, 24:45927 (CONF-700810-49)
  Material problems for the construction and safety evaluation of reactor pressure vessels, 25:665
  Reliability of emergency core cooling systems of light water nuclear power plants, 25:6038 (RISO-214, pp 91-126)
MAURER, H. Rainer Determination of tritium in organic material, 23:19668
  Modified micro combustion method for tritium in organic material, 22:47107
MAURER, H.-J. Radiological, physiological, and anatomical studies on effect of new contrast medium for urography, 25:557
MAURER, Hans A. Reliability analyses for the judgement of reactor systems, 25:18110
  Reliability analysis for the evaluation of reactor systems, 25:28740
MAURER, Hans-Joachim Biological effects of fast electrons in different tissue depths, 23:31878
MAURER, Harold E. Design procedure for radiation hardening certain NOR gate logic circuits, 22:12720
MAURER, Harold Eugene Reliable radiation-hardened integrated logic and sequential circuits, 21:3360
MAURER, J. Josephson effect and infrared detection, 23:5340
MAURER, J. H. High-temperature, controlled-atmosphere x-ray diffractometer attachment, 22:10625 (ANL-7257)
MAURER, K. L. Effect of neutron irradiation on thermal stability of cementite in white cast iron, 22:2672
MAURER, M. L. New concept in film badge design, 23:12122
MAURER, R. H. Axial vector current and PCAC in the sigma-model, 25:33692 (NYO-3829-69)
MAURER, Richard Hornsby Divergence conditions and PCAC relations in perturbation theory, 25:43689
MAURER, S. J. Ray-optical techniques for guided waves, 22:1218
MAURER, W. Autoradiographic investigation of diurnal fluctuations, 23:2747 (UCRL-Trans-10211)
  Moessbauer isomer shifts and hyperfine splitting of 145.4 keV γ-rays of ^{141}Pr, 25:36344
  Proton beam cooling with electrons in the nonrelativistic case, 23:28000
MAURETTE, M. Accelerator irradiations of minerals: implications for track formation mechanisms and for studies of lunar and meteoritic materials, 25:793
  Accelerator irradiations of minerals, 25:45166
  Comments of a paper on elastically scattered recoil nuclei in solid state detectors, 25:54999 (N-71-26447)
  Dosimetry of fluence of thermal neutrons, 23:7740
  Elastically scattered recoil nuclei in solid-state detectors, 25:44651
  Fossil nuclear-particle tracks in extraterrestrial matter, 24:48982
  Habit and texture of lunar and meteoritic materials, 25:11671
  Heavy ion tracks in minerals of Saint Severin chondrite, 22:6460
  New method for measuring the atomic Th/U ratio in minerals and natural glasses, 21:14318
  Nuclear interaction tracks in minerals and their implications for extraterrestrial materials, 25:45165
  Nuclear interaction tracks in minerals and their implications for extraterrestrial materials, 25:55669 (N-71-26344)
  Observation of fossil α-particle recoil tracks and their implications for dating measurements, 22:6471
  Origins of fossil charged-particle tracks in meteorites, 21:11380
  Some annealing characteristics of heavy ion tracks in silicate minerals, 25:1264
  Some annealing characteristics of heavy ion tracks in silicate minerals, 25:44633
  Study of muscovite mica irradiated by argon ions, 24:42781
  Study of muscovite mica irradiated by argon ions, by x ray scattering at small angles, 25:44606
  Th microanalysis using fission tracks, 25:31836
  Th microanalysis using fission tracks, 25:44340
  Track-formation mechanisms in minerals, 24:42780
  Tracks of heavy primary cosmic rays in meteorites, 21:11382
MAURETTE, Michel Study of the registration of fission-fragment trajectories in some solid insulating substances, 21:10673
  Study of tracks of heavy ions in natural minerals of terrestrial and extraterrestrial origin, 22:51085
MAURICE, E. Two stars of LMC showing emission lines of Fe II, 24:4905
MAURICE, L. Helium sweating tightness control of fuel elements, 23:45486
MAURICE, M. Masurca plutonium fuel elements fabrication, 23:8129 (EUR-3663)
MAURICE, M. J. Chemical analysis of plutonium bearing non-irradiated fuels and their components, 23:37872 (EUR-4133)
  Considerations on gravimetric determination of oxygen to metal ratio in plutonium oxides and mixed uranium—plutonium oxides, 23:49689 (EUR-4296)
  Controlled potential coulometric determination of Pu and U, 23:49707

- Determination of free acidity in Pu containing solutions and semi-quantitative acidimetric estimation of Pu, 22:39981 (EUR-3934)
- Determination of traces of plutonium with recording spectrophotometer, 23:4530
- Recovery of Pu from non-irradiated refractory Pu and U—Pu oxides, nitrides, and carbides, 23:13839
- Specific determination of Am, 23:45189
- Spectrophotometric determination of traces of americium in plutonium oxide, 25:41721 (EUR-4352)

- MAURICE, P. A. Effect of splenic x-irradiation on bone marrow function, 24:14581
  - Previous diagnostic irradiation in 5 cases of chronic myeloid leukemia in chronic tuberculous patients, 21:12991
  - Remission of chronic myeloid leukemia after splenic irradiation, 23:50914
- MAURIN, A. F. Electric conductivity and phase composition of solid solutions of ZrO_2—CaO, ZrO_2—Y_2O_3, and ZrO_2—CeO_2 at 1000 to 1700°C, 24:27834
  - Making heating elements on the basis of zirconium dioxide for high-temperature furnaces, 25:58357
  - Relationship between electric resistance of zirconia ceramics and porosity, 25:19283
- MAURIN, Christian Propagation of electromagnetic wave along plasma column, 21:3857
- MAURIN, J. F. Study of hydrides of erbium and yttrium, 21:17606 (NP-16610)
- MAURIN, J. K. Contamination of surfaces during high-energy electron irradiation, 24:17339
  - Preferential etching of ion-bombarded GaAs, 25:59141
- MAURIN, J. W. Cosmic ray NM-64 neutron monitor data from Kula, Hawaii, 23:12595 (AECL-3051)
- MAURIN, Viktor Specialists' conference on the tracing of subterranean waters in Graz, 3—4/66, 22:27915
- MAURITZEN, C. M. Studies on tetanus toxin and toxoid. IV, 24:44390
- MAURITZSON, I. ANNLIS: computer program for automatic analysis of gamma-ray spectra, 25:29354 (LUNP-7101)
  - Lifetime measurements in sd shell nuclei. VI, 25:48059
  - Lifetime measurements in sd shell nuclei. VII, 25:59751
- MAURIZOT, Jacqueline New absorption bands in x-irradiated fluorite, 24:15402
- MAURO, F. Age response to x-radiation of murine lymphoma cells, 24:4673
  - Differences in survival during growth cycle of cells treated with S mustard and x rays, 22:49632
  - Lethal damage in cultured cells exposed to S mustard and x rays, 22:49631
  - Radiosensitivity in relation to cell cycle in diploid yeast, 21:32808
  - Recovery from damage induced by x rays in relation to radiosensitivity during mitotic cycle in Saccharomyces cerevisiae, 21:13085
  - Repair of sublethal damage in cultured cells exposed to S mustard and x rays, 22:49633
  - Sulfur mustard and x rays: differences in expression of lethal damage, 21:22328
- MAURO, Francesco Relationship between recovery from sublethal damage by dose fractionation and the restoration of viability after delayed plating in diploid Saccharomyces cerevisiae, 21:14769
- MAURO, K. D. New digitizing and memory system for wire spark chambers, 25:35016
- MAURON, G. New 15-min isomer in ^{142}Pr, 21:21538
- MAURON, Gabriel Decay of ^{140}Ba to ^{140}La, 24:28787
- MAURUS, P. Decontamination of ^{137}Cs incorporated into meat, 25:24137
  - Varying ^{137}Cs contamination of wild game, 25:24138
- MAURY, F. Atomic displacements in zinc, 22:31930 (BNL-50083, pp 314-26)
  - Behavior of low-temperature irradiated cadmium, 24:1478
  - Damage production and recovery in low temperature irradiated zinc, 25:36288
  - Directional dependence of atomic displacements in cobalt crystals, 25:13733
  - Frenkel pair formation and mutual annihilation in cobalt, 23:30628
  - Production and mutual annihilation of Frenkel pairs in irradiated Zr, 25:33416
  - Recovery of low-temperature electron-irradiated cobalt crystals, 25:13713
- MAURY, J. Mechanical effects in the close zone of a subterranean nuclear explosion in granite, 24:50484
- MAURY, Jacques Code S: calculation of effects of controlled underground explosions. I, 24:39095 (CEA-R-3957(1))
  - Physics of phenomena in the zone close to an underground nuclear explosion, 24:2330 (CEA-R-3850)
- MAURY, Roland Compressibility of the rare earth-transition metal intermetallic compounds, 25:13694
- MAURYA, J. C. Effects of Nb on malleable cast irons, 24:14716
- MAUS, H. J. Direct intraureteral dosimetry in telecobalt therapy for cervix cancer, 21:6522
- MAUS, J. A. Energy distribution of final products in molecular collisions, 25:52671
- MAUS, James R. Fully developed magnetogasdynamic flow between diverging plane walls, 21:37256 (AD-651034)
  - Internal MHD channel flows including Hall effect and variable fluid properties, 24:30191 (AD-701386)
- MAUS, James Reginald Jr. Fully developed magnetogasdynamic flow between diverging plane walls, 22:13322
- MAUSBECK, H. Experimental and theoretical investigations of sodium—water reactions in tubes, 23:28536 (EUR-4101, pp 125-42)
  - Low-alloyed ferritic steel for high-temperature sodium service, 24:32422
  - Operating experience with propulsion reactors, 24:52986
  - Reaction of sodium and water in tubes, 23:43980
  - Reactor safety at positive power coefficients. II, 21:15706
  - Reactor safety by positive power coefficients, 21:14025
  - Sodium technology in the FRG, 24:18636
  - Status of Na-water reaction test work at INTERATOM, 23:45484 (ANL-7520(Pt.1), pp 374-83)
  - Tests of a tube-in-tube sodium-heated steam generator, 23:45437 (ANL-7520(Pt.1), pp 335-44)
- MAUSBERG, W. Absolute calibration method for detection efficiencies of high-energy gamma rays, 23:11777
  - Bibliography on accelerators, No. 7, 11/66, 21:17194 (AED-C-18-07)
  - Bibliography on accelerators, No. 9, 12/66, 21:17195 (AED-C-18-09)
  - Sequential processes in the ^{14}N(tau,pα)^{12}C* reaction, 23:21281
  - Structure of ^{16}O above 25 MeV, 23:46936
  - Study of ^{40}Ca using reaction ^{39}K(p,γ/sub 0/)^{40}Ca, 24:13321
  - Study of ^{5}Li around 20 MeV excitation energy by a radiative capture reaction, 24:43106
- MAUSBERG, Wolfgang Accelerators, 22:32233 (AED-C-18-10)
- MAUSER, R. Infectious DNA from coliphage Tl. II, 25:32630
- MAUSHART, R. Accumulation of radioactive materials by river silt, 23:13859
  - Accuracy of methods and interpretation of results of H-3 monitoring, 22:21525
  - Conference on radiation protection, Rome, 9/66. I, 23:12127
  - Conference on radiation protection, Rome, 9/66. II, 23:14164
  - Control of the radioactivity in waste water and exhaust air. II, 23:35011
  - Demonstration of plutonium incorporation by direct measurement, 22:49343
  - Dosimetry properties of new phosphate glasses for routine dosimetry, 21:12692
  - Measurement of local distribution of radiation dose with phosphate glass dosimeters, 21:41391 (KFK-551)
  - Measuring apparatus for radiation protection, 24:48282
  - Personnel dosimetry systems for external radiation exposures, 24:36626 (STI/DOC-10/109)
  - Personnel monitoring with radiophotoluminescent dosimeters, 24:27444
  - Phosphate glass dosimeter for radiation protection applications, 23:12115
  - Radiation protection dosimetry, 25:24164
  - Radiation protection in the isotopes laboratory. II, 25:46859
  - Radiation protection in the isotopes laboratory. I, 25:46858
  - Radiation protection—dosimetry system for improved measurement of energy doses, 23:14054
  - Simple body counter arrangement for incorporation measurements, 24:27594 (CONF-690540-, pp 397-406)
  - Thermoluminescence dosimetry, 22:23330
  - Tritium measurements in radiation protection, 22:43328
  - Use of phosphate glasses for dosimetry of mixed radiation fields in neutron radiobiology, 22:14859
- MAUSHART, Rupprecht Monitoring the radioactivity in waste water and exhaust air, 22:4288
- MAUSS, Hans-Joerg Radiobiological investigations with Cr-labeled erythrocytes. IV, 21:3442
  - Radioprotective effect of erythropoietin, 21:45755
- MAUSTELLER, J. W. Alkali metal handling and systems operating techniques, 22:15206
- MAUTALEN, Carlos A. Isotopic determination of intestinal calcium absorption in normal subjects, 24:11459
- MAUTE, A. H. Application of transmission and reflection operators to calculation of gamma-ray penetration through matter, 23:13459 (AERE-R-5773(Vol.2), pp 410-48)
  - Direct determination of transmission and reflection matrixes for gamma rays, 23:51746 (ORNL-tr-2214)
  - Practical use of transmission and reflection matrices, 23:23230
  - Transport calculations using transmission and reflection matrices, 23:36777
- MAUTER, Horst A. Polarization of emission lines in astronomy. VI, 23:8410
- MAUTZ, E. W. Production of uranium tetrafluoride and uranium metal, 24:46210 (NLCO-1068)
- MAUTZ, Joseph Numerical solution of a Volterra integral equation, 23:30585
- MAUVAIS-JARVIS, P. Effects of sex hormones on androgen metabolism, 24:547
  - Long-range risks in treatment of hyperthyroidism by radioactive iodine, 22:47575
- MAVASHEV, B. Z. Anomalies in radioactivity of Tashkent mineral waters during 1965 and 1966, 22:8211
- MAVINKURVE, S. S. Radiation pasteurization of fresh and blanched tropical shrimps, 25:13619
  - Radiation pasteurization of tropical fish, 22:4722
  - Radiation sensitivity and biochemical characteristics of microflora of Bombay duck (Harpodon nehereus), 25:19163
  - Spoilage units of radurized Bombay duck (Harpodon nehereus), 25:52287
- MAVLJANOVA, M. I. Reaction of infusoria Colpoda to gamma radiations, 21:16543
- MAVLOBAKHSHEV, I. Large-size proportional counters for cosmic-ray variation study, 23:41009
- MAVLYANDZHANOV, K. Effect of B vitamins on peripheral blood in connection with radiation sickness, 22:36331
- MAVLYANOV, A. M. Activation energy of process of thermal destruction of γ-irradiated polystyrene, 25:46503
  - Studies on thermal degradation of γ-irradiated polycaproamide by means of mass spectrometry, 25:2288
- MAVLYANOV, A. N. Ion—electron emission factor in discharge with oscillating electrons, 24:17901
- MAVLYANOVA, M. Stability changes in polystyrene irradiated with gamma radiation, 25:47194
- MAVRETIC, Anton D-region parameters from continuous waves, low frequency, rocket propagation experiments during solar eclipse, final rpt., Pt. A, 23:44235 (AD-681885)
- MAVRIDES, S. Gravitational radiation and renormalization of mass in general relativity and in a Lorentz-invariant theory, 21:3966
- MAVRIDIS, L. N. Distribution of M-, S-, and C-type stars in the Milky Way, 22:24012
- MAVRIKAKIS, M. Clinical value of liver and renal scanning in oncology, 23:38693
- MAVRODIN, Maria Spectrophotometric study of UO_2^{2+}—dihydroxymaleic acid system in organic solvents, 22:33222
  - Study of system uranyl nitrate—1-(2'-hydroxynaphthylazo)-2-naphthol-4-sulfonic acid—water, 22:16497
  - System uranyl nitrate—sodium salt of 3-(5-chloro-2-hydroxyphenylazo)-4, 5-dihydroxynaphthalene-2,7-disulfonic acid, 23:145
  - Systems uranyl nitrate—calcon and uranyl nitrate—calcon carboxylic acid, 24:9340
  - Uranyl nitrate—o-aminophenol-p-sulfonic acid system, 21:8267
- MAVRODINEANU, R. Bibliography on flame spectroscopy. analytical applications 1800 to 1966, 21:20015
- MAVROGENES, G. High current electron linac, 25:50419
- MAVROMATIS, H. A. Derivation of KSFR relation, 22:20214
  - Direct calculation of nuclear structure from the two-nucleon phase shifts, 21:21594
  - First and second order corrections to the magnetic moments of nuclei using realistic interactions, 22:3755 (PUC-937-169)
  - First-order binding energies and spectra with a potential matrix deduced from phase shifts, 23:49462
  - Interaction between 0p—0h and 1p—1h states in 0^+ calculations with non Hartree—Fock bases, 25:1771
  - Inverse functions of products of two Bessel functions and applications to potential scattering, 23:1708
  - Magnetic moments of nuclei with closed j—j shells plus or minus one nucleon, 22:1717
  - Matrix elements of nucleon—nucleon potential for nuclear-structure calculations, 23:5971
  - Odd-parity states of ^{16}O with the Hamada-Johnston potential, 21:1030
  - Oscillator basis sussex matrix elements and the corresponding on-and off-the energy shell plane wave matrix elements, 23:40151
  - Quadrupole moments and B(E2) values of ^{17}O and ^{17}F, 24:10918
  - Relation between various methods used in calculating nuclear reaction matrix elements, 23:13345
  - Volume, surface, and symmetry terms in semi-empirical mass formula, 25:36821
- MAVROMATIS, Harry Anthony Magnetic moments and realistic forces, 21:35532
- MAVROV, M. V. Hydrogen isotope exchange in α-bromoallenes, 25:37388
- MAVROYANNAKIS, E. HERETRA: computer program for fission products calculations, 25:15141 (DEMO-70/10)
  - Measurement of the coefficient of gamma absorption of materials used for nuclear constructions, 25:27826 (DEMO-70/11)
- MAVROYANNAKIS, E. G. Automatic system for rapid measurement of thin foils irradiated in reactor beam, 21:42642
- MAVRYCHEV, Yu. S. Phase of the charge in electrodynamics, 25:12240
- MAW, J. R. Computation of fluid flow in distending tunnels with mass, momentum and energy exchange with the walls, 24:41481 (CONF-700101-(Vol.1), pp 230-9)
- MAWARDI, O. K. High-density plasma induced by pulsed microwave, 22:1258 (LA-3770, Paper H7)
  - Turbulent heating of a shocked magnetized plasma, 22:1135 (LA-3770, Paper B8)
- MAWDSLEY, J. Mid-latitude radio-satellite scintillation: morphology near sunspot minimum, 23:42088
  - Scintillation observations at medium-latitude geomagnetically conjugate stations, 22:38915
- MAWHINNEY, B. S. Radiation effects on embryonic chick tibiae, 25:16330
  - Radiobiological investigations on embryonic rat bone grown in vitro, 24:9941
- MAWSON, C. A. Canadian experience with a national waste-management facility, 25:21352
  - Environmental research, 24:41875 (AECL-3430, pp 19 31)
  - Experiences with ground disposal at Chalk River, 22:16797
  - Objectives of environmental surveillance: A Canadian viewpoint, 25:16156
  - Proceedings of USAEC meteorological information meeting, Chalk River Nuclear Labs., 9/67, 22:40222 (AECL-2787)
  - Quantitative aspects of environmental monitoring in Canada, 22:6487
  - Review of health physics society papers on environmental monitoring, hazards analysis, and waste disposal, 21:1756
  - Waste management, 21:39162 (AECL-2710)
- MAWSON, Collin A. Environmental contamination from atomic plants, 23:49897 (PHS-999-RH-33, pp 160-8)
- MAX, J. Detection and location of a fuel pin failure in Rapsodie using noise analysis, 25:41547
  - New method of spectral analysis, 25:23906 (CEA-CONF-1640)
- MAX, Jacques Correlators in measurements treatment and spectral analysis, 24:16938
  - Device for the study of bubble flow within a pipe, 21:26057

MAXCY, R. B. Impact of low doses of gamma radiation and storage on the microflora of gound red meat, 25:49341
Prog. rpt. on study of control of public health problems using irradiation, annual, 5/69—4/70, 25:42744 (COO-2038-2)
MAXEY, W. A. Prog. rpt. on ductile pipe rupture, 10—12/67, 22:16787 (BMI-1828)
Recent work on flaw behaviour in pressure vessels, 24:17291
MAXEY, Willard A. Experimental study of fracture behavior in reactor coolant piping, 25:22076
Investigation of initiation and extent of ductile pipe rupture, 23:46041 (BMI-1866)
Investigation of initiation and extent of ductile pipe rupture. Final report, Task 17, 25:45029 (BMI-1908)
Prog. rpt. on ductile pipe rupture, 1—3/68, 22:26036 (BMI-1836)
Prog. rpt. on ductile pipe rupture, 7—9/68, 23:5073 (BMI-1853)
Prog. rpt. on initiation and extent of ductile pipe rupture, 1—6/67, 21:44959 (BMI-1813)
Prog. rpt. on initiation and extent of ductile pipe rupture, 7—9/67, 22:646 (BMI-1817)
Prog. rpt. on initiation and extent of ductile pipe rupture, 4—6/68, 22:45763 (BMI-1847)
Prog. rpt. on initiation and extent of ductile pipe rupture, 10—12/69, 24:12391 (BMI-1876)
Prog. rpt. on initiation and extent of ductile pipe rupture, 1—3/70, 24:29935 (BMI-1880)
Prog. rpt. on investigation of initiation and extent of ductile pipe rupture, Phase II, 4—6/70, 24:41626 (BMI-1887)
Prog. rpt. on investigation of initiation and extent of ductile pipe rupture, Phase II, 7—9/70, 25:11369 (BMI-1892)
Prog. rpt. on investigation of initiation and extent of ductile pipe rupture, Phase II, 10—12/70, 25:24553 (BMI-1902)
Review of through-wall critical crack formulations for piping and cylindrical vessels, 24:29466 (BMI-1883)
MAXFIELD, B. W. Damping of helicon resonances in pure type-II superconductors, 21:39969
Direct electromagnetic generation of ultrasound in conducting liquids, 25:12892 (NYO-2150-65)
Electromagnetic generation and detection of acoustic waves. report no. 1573, 25:41697 (NYO-2150-73)
Helicon resonances in Nb near H/sub c2/, 21:39946
Interphase boundary waves in the intermediate state of lead, 25:9363 (NYO-2150-64)
Interphase boundary waves in the intermediate state of lead, 25:30429
Low temperature electromagnetic generation of ultrasound in potassium, 25:34457 (NYO-2150-72)
Study of the transverse magnetoresistance of polycrystalline potassium, 25:31707 (NYO-2150-68)
Surface impedance of niobium near H/sub c2/, 22:50111
MAXFIELD, J. E. Exchange of bound tritium between DNA and water at different temperatures, 24:22645
MAXFIELD, W. S. Accidental radiation exposure from ^{192}Ir camera, 24:7898
Detection of arthritis by joint scanning, 23:48133
MAXFIELD, William S. Cutaneous reactions after radiation therapy, 23:29876
Filling defects on scintillation scans of liver, 23:48099
Joint scanning with labeled albumin, 23:18065
Synergism between radiation and estrogen in the production of mammary cancer in the rat, 25:27011
Technetium-99m joint images, 23:41374
Technetium-99m superior vena cavography, 23:31843
MAXIA, V. Behavior of neptunium in nitric acid solutions on ammonium-12 molybdophosphate, 25:46543
Behavior of thorium sorption on ammonium molybdophosphate, 24:11672
Behavior of uranyl ion in nitric acid with ammonium molybdophosphate, 24:16523
Determination of trace amounts of cobalt in haemin by neutron activation analysis, 21:19570
Mass distribution in fission of ^{237}Np, 24:15915
Measurement of small oscillations by resonant γ-ray absorption, 24:45374
Shift and broadening of Moessbauer peaks, 24:27397
Sorption of some actinide ions on ammonium molybdophosphate chromatographic columns, 25:51592
Standard fluctuations in points recorded functions, 24:15419
Thermal neutron capture cross section of ^{121}Sb and ^{123}Sb, 21:42643
Thick absorbers broadening of Moessbauer peaks, 24:36601
Utilization of University of Pavia LENA research reactor, 22:50835
MAXIA, Vera ^{95}Zr, ^{97}Zr, and ^{99}Mo yields in the reactor neutron fission of ^{237}Np, 21:42657
Aluminum and Si abundances of Italian meteorites determined by activation analysis, 24:149
Aluminum and Si abundances of some Italian meteorites as determined by instrumental activation analysis, 25:4048
Chromium separation by inorganic exchangers in activation analysis, 24:32
Chromium separation by inorganic exchangers in activation analysis of biological materials, 24:2157
Determination of selenium in amino acids at the 0.1 ppm-level by pulsed neutron activation, 21:41
Determination of selenium in amino acids at the 0.1 ppm level by pulsed-neutron activation, 21:12292
Gamma dosimetry down to 2 rads and low neutron flux measurements, 25:441
Silver-111 and ^{115}Cd yields in the reactor neutron fission of ^{237}Np, 23:47030
Some Italian meteorites trace elements content by nondestructive neutron activation analysis, 25:18370
Study of the system ferrous sulphate-benzoic acid in the dosimetry below 100 rads, 22:47385
Thermal-neutron activation cross sections and resonance integrals for ^{128}Te(n,γ)/sup 129g/Te and ^{128}Te(n,γ)/sup 129m/Te reactions, 22:32585
Thermal-neutron activation cross sections and resonance integrals for ^{128}Te(n,γ)/sup 129g/Te and ^{128}Te(n,γ)/sup 129m/Te, 23:8985
Utilization of University of Pavia LENA Research Reactor, 22:33023
Yields for the 131—135 mass region in the reactor neutron fission of ^{237}Np, 21:42656
Yields for the A = 141 to A = 153 region in the reactor neutron fission of ^{237}Np, 21:42655
MAXIE, E. C. Changes in some chemical constituents in irradiated fruits and vegetables, 24:48782
Effect of gamma irradiation on nectarines and peaches, 22:15132
Effects of chemical protection on repair of potentially lethal irradiation injury, 22:17029
Gas exchange in pears in relation to γ irradiation, 22:15130
Heat sensitization of control of grey mold of strawberry fruits by gamma irradiation, 23:32008
Inactivation of Rhizopus stolonifer sporangiospores, 24:913
Irradiation of California fruits and vegetables, 25:35274
Irradiation of fruits, 23:2999
Irradiation of fruits and vegetables, 21:24693 (UCD-34-P-73-12)
Physiological studies of gamma irradiated tomato fruits. I, 24:17187
Physiological studies of gamma-irradiated tomato fruits. II, 25:21999
Physiological studies of gamma-irradiated tomato fruits. III, 25:22000
Prog. rpt. on effects of heat and gamma irradiation on ascorbic acid content of nectarines and peaches, 9/66, 21:444 (TID-23370)
Prog. rpt. on radiation technology in procedures for extending shelf life of fruits and vegetables, 2/65—1/66, 21:4891 (UCD-34-P-80-4)
Prog. rpt. on radiation technology in procedures for extending shelf life of fruits and vegetables, 2/66—1/67, 22:23695 (UCD-34-P-80-5)
Radiation pasteurization of fruits and vegetables, 21:45855 (ORNL-IIC-11)
Radiation technology in conjunction with postharvest procedures as a means of extending the shelf life of fruits and vegetables. [Annual report], February 1, 1967—January 30, 1968, 25:6822 (UCD-34-P-80-6)
Radiation technology of extending shelf-life of fruits and vegetables, 23:18161 (CONF-681006-, pp 123-6)
Radiation-heat synergism for inactivation disease of stone fruits, 21:36778
Radiopasteurization of produce, 21:26746
Radiopasteurization of produce, 23:26980
Studies on radiation-induced ethylene production by lemon fruits, 21:3452
MAXIM, I. V. Canning of vitroceramic nuclear fuels. I, 23:36175
Nuclear material, 23:45496
Vitroceramic nuclear fuel coating. II, 25:55613
MAXIM-GAZI, R. Magneto-acoustic-wave traps created by ring currents, 25:40702
Reciprocal transformation of magnetohydrodynamic waves in homogeneous plasma, 25:38521
MAXIM-GAZI, R. G. Generation of magnetohydrodynamic waves in nonhomogeneous plasma located in intense magnetic field, 25:55923
MAXIMILIAN, C. Cytogenetic observations with reference to a case of erythremia treated by general teleirradiation, 22:49290
MAXIMON, L. Radiative corrections, 23:9016 (TID-24667, pp 231-48)
MAXIMON, L. C. Comments on radiative corrections, 23:15040
Coulomb effects in high energy ^{4}He—^{4}He elastic scattering, 25:9715
High energy, small angle elastic scattering of strongly interacting composite particles, 24:42987
Influence of the radiative background on muon and electron scattering from nuclei, 22:18345
Influence of the radiative background on muon and electron scattering from nuclei, 23:9019 (TID-24667, pp 265-7)
Potential model calculation for coplanar and noncoplanar proton—proton bremsstrahlung, 22:22418
Radiative correction for inelastic electron scattering, 23:9017 (TID-24667, pp 249-50)
Simple analytic expressions for total Born approximation cross section for pair production in Coulomb field, 22:39225
MAXIMON, Leonard C. Molecular coherence effects in radiation processes: bremsstrahlung, 24:51389
Noncoplanar p—p bremsstrahlung calculations at 48 and 30 MeV, 23:42649
MAXIMOV, M. Donor—vacancy type complexes in germanium, 25:59133
MAXIMOVIC, Z. Determination of percent burn-up of the nuclear fuel on the basis of the measuring of the stable isotopes of neodymium, 25:15485
MAXION, G. Influence of transmission-line behaviour of spark chambers on multi-track efficiency, 24:29571
MAXMAN, S. H. Target preparation techniques, 21:19122
MAXON, M. Stephen Electron—electron bremsstrahlung from quantum plasma (Z = 1), 22:1202
Modified Tamm—Dancoff approach to charged-scalar theory, 24:13105
MAXSON, D. R. Ground state spin of ^{129}Te by polarization measurements of protons scattered via analogue resonances, 21:44722
Nitrogen-14(n,d)^{13}C, ^{14}N(n,t)^{12}C, and ^{15}N(n,d)^{14}C near E/sub n/ = 14 MeV, 21:35428
Polarimeter for isobaric analog state spin measurements, 22:36154
Prog. rpt. on reaction studies with fast neutrons, 10/67, 22:9802 (NYO-1082-9)
Reaction ^{14}N(n,α)^{11}B at 14.1 MeV, 22:20454
Reaction ^{16}O(n,α)^{13}C at 14.1 MeV, 22:20457
MAXSON, R. C. Automated quantometer data handling system, 25:2069 (Y-1740)
Automated ultrasonic nondestructive testing system, 24:2087 (Y-1693)
MAXWELL, A. Flux densities of ten galactic sources in the millimeter band, 24:39784
Lunar occultations of radio source Sagittarius A, 23:5152
Radio observations of the galactic center region, 21:6926
Surveys of galactic plane at 1.414, 2.695, and 5.000 GHz, 24:30091
MAXWELL, A. A. Determining elastic moduli of in situ soils by dynamic techniques, 23:9589
MAXWELL, Alan Radio frequency spectrum of sun, 24:37085 (AD-694105)
MAXWELL, B. W. Environmental radiation surveillance in the Antarctic, 22:2219
MAXWELL, C. D. Determination of energy-loss factors for slow electrons in hot gases, 24:37217 (N-70-15044)
MAXWELL, C. J. Paralleling planar Ge(Li) detectors for counting large volume biological samples, 22:4431 (UCRL-70545)
MAXWELL, D. Theoretical ground motion predictions supporting HEST program, 25:41950 (AD-718388)
MAXWELL, D. C. Control of boiling water reactor: power—water plants, 22:22758
MAXWELL, David S. Electron microscopic study of cerebral cortex following alpha-particle irradiation, 21:6676
MAXWELL, E. Flux-hole motion and the peak effect in superconductivity, 21:37393
Isotope effect in superconducting rhenium, 22:17601
Magnetic properties of superconducting Mo—Re alloys, 21:13505
Peak-effect studies on niobium nitride, 22:29450
Superconducting critical fields and currents of Nb—Ti—N thin films, 23:30485
MAXWELL, E. L. Sandstone continuity in the Mesaverde Formation, Rulison field area, N. W. Colorado, 25:21157 (PNE-R-37)
MAXWELL, I. D. Notes on preparation of indium colloids, 23:33600
MAXWELL, J. R. Carbon chemistry of the lunar surface, 25:38126
Indigenous lunar methane and ethane, 24:25947
Reaction (p,t) on the isotopes of Sm and Nd, N = 88 and 90, 21:2739
Study of the (p,t) reaction on the Pb isotopes, 21:13874
MAXWELL, Joan H. Available disintegration energy of all radionuclides (for use in dosimetry problems). I, 21:15619 (UCRL-50164)
MAXWELL, Morton H. Radioisotope renogram in renal arterial hypertension, 22:51847
MAXWELL, P. C. Tunnel diode: transistor ring counter, 22:38183
MAXWELL, R. L. Attachment region of hemispherical shells with attached nozzles. II, 22:273 (TID-24103)
Spherical shells with a single radially attached nozzle, 21:34420
MAXWELL, Richard E. Biochemical changes induced by internally deposited radionuclides, 23:38795
Biochemical changes induced by internally deposited radionuclides in beagle dog blood, 24:542 (COO-119-240, pp 243-61)
MAXWELL, Robert J. Solvolytic studies of bicyclooctenyl derivatives, 23:24206
MAXWELL, Ronald B. Production of gases of known specific activity in a reactor for calibrating gaseous effluent monitors, 25:54986
MAXWELL, W. A. Corrosion of advanced steam generator alloy weldments in 1100 and 1200 F (595 and 650 C) steam, 24:42050 (CONF-700324-1)
Corrosion of advanced steam generator alloy weldments in steam, 25:2636
Effects of visible and uv light on microorganisms, 24:925
Leak detection methods for on-line monitoring of BWR and PWR primary loops, 22:6680 (SNE-36)
Prog. rpt. on use of aqueous solutions as emergency coolants, 7/68, 22:42206 (SNE-40)
MAXWELL, W. Andrew Function of carotenoids in protection of Rhodotorula glutinis against irradiation from a gas laser, 21:26696
Lethal photosensitization of microorganisms with light from a continuous-wave gas laser, 21:22803
MAXWELL, Walter Radical head and neck surgery through previously irradiated tissues, 22:28690
MAXWELL, William A. Production of ^{238}Pu in commercial light water reactors, 24:24720 (SNE-53)
MAXWORTHY, T. Experimental studies in magnetofluiddynamics: pressure distribution measurements around a sphere, 22:19846
Experimental studies in magnetofluiddynamics, 23:12636
Magneto-fluid dynamic pipe flow, 22:41421
Magnetofluiddynamics: pipe flow through a solenoid of finite length, 22:38855 (N-68-14472)
MAY, A. D. Experiment to compress polarized ^{3}He gas, 25:31077
Helium-4 discharge light source and system for optical pumping of 2^3S_1, ^{3}He, 25:31076
Nuclear relaxation of ^{3}He gas on various solid surfaces, 25:31072
MAY, Arthur D. Radiochemical separation and determination of Cd, 24:18930
MAY, B. Model investigation for the determination of the stress state in a reactor safety vessel, 22:27498
MAY, B. R. D-region electron-density distributions from propagation data, 22:9208
MAY, C. P. Radiation monitor, 24:4443
MAY, E. Very homogeneous magnetic fields with superconducting coils, 22:10650
MAY, E. C. (p,p'n), (p,p'γ), and (p,np') reactions on ^{119}Sn and ^{61}Ni, 22:42048

Detection of the singlet deuteron (d) and the reaction $^{9}Be(p,d)^{8}Be$, 21:29870
Deuteron disintegration by Au, Rh, Cu, and C from 8 to 15 MeV, 22:9794
FORTRAN nuclidic-mass table with self-modification feature, 25:5735
Singlet deuterons (d) from (p,d) reactions, 23:30960
MAY, E. R. W. Technology and engineering applications of reaction-bonded Si_3N_4, 21:20562
MAY, Edwin Charles Reaction (p,pn) on light nuclei and reaction (d,pn) on medium-to-heavy nuclei, 24:10920
MAY, F. CAMAC crate control for a PDP8 and a CAMAC 24 bit counter, 23:41128 (EUR-4289, pp 391-4)
Isotope fractionation of natural gas components during migration, 23:49924
Null-pass trigger as time-scale indicator for coincidence measurements, 21:1589
Rotating crystal spectrometer at Ispra, 22:28162
MAY, F. G. The chemical nature of the chromium oxide aerosol produced by heated 80:20 nickel—chromium alloy, 21:14795
MAY, F. J. Remote handling services, turret suit, 23:29533 (AERE-R-5288)
MAY, Gerald W. Effect of holes on the dynamic breaking strength of rings, 23:22520 (SC-RR-68-784)
MAY, H. A. Measurements of ^{241}Am in two subjects, 25:21685 (ANL-7760(Pt.2), pp 36-44)
Progress in low-radioactivity photomultiplier tubes, 21:26263 (ANL-7220, pp 39-41)
MAY, H. D. Carbon removal from SRE sodium following PEP modifications, 22:7809 (NAA-SR-12410)
MAY, H. P. Unfolding of experimental alpha-particle spectra for determination of the specific activity of alpha-emitting nuclides in bioassays in the milligram range, 25:57362
MAY, Harold Construction of radioactive phantoms, 24:27579 (ANL-7615, pp 76-81)
Cosmic-ray contribution to the background of low-level scintillation spectrometers, 22:2412
In vivo counting of thorium dioxide patients, 23:26793
MAY, Harold A. Distribution of ^{241}Am following accidental inhalation, 24:31809 (ANL-7489, pp 19-23)
MAY, J. Commencement times and durations of Jupiter's radio-noise storms, 24:12623
Fits to electroproduction data in the resonance region and consequences for sigma/sub l//sigma/sub t/, 25:22659 (DESY-71/2)
inelastic electron proton scattering at high momentum transfers, 23:7077
Inelastic electron proton scattering at high momentum transfers, 23:7072 (DESY-68/48)
Inelastic electron proton scattering at fixed four momentum transfer of 0.773 and 1.935 $(GeV/c)^2$, 23:27734 (DESY-69/7)
Inelastic electron—proton scattering at 0.773 and 1.935 $(GeV/c)^2$, 24:1496
Preliminary results on coincidence measurements for electroproduction in the deep inelastic region, 25:38689 (DESY-71/19)
Safety of heavy water system in Braunschweig research reactor, 25:12822 (NP-18499)
Separation of sigma/sub l/ and sigma/sub t/ in region of deep inelastic electron—proton scattering, 24:10652 (DESY-69/46)
MAY, J. E. In-reactor thermal conductivity of uranium carbide, 21:6891 (AECL-2521)
SAP clad uranium carbide fuel elements, 23:8356
MAY, J. M. Penetrometer Project, 21:21834 (SC-DR-66-2715)
MAY, J. P. Exploration by radioactive iodine of hyperthyroidism apparently cured by isotopic treatment, 21:12921
MAY, J. R. Chemical processing of Al clad ^{233}U oxide fuel elements, 23:38072
Conceptual design study of a low throughput reprocessing facility for nuclear fuel, 22:23085 (AAEC/E-187)
Economics of H.T.G.C.R. fuel cycle. I, 21:45188 (AAEC/E-175)
Fuel cycle studies for a beryllium oxide moderated high temperature gas-cooled reactor, 21:1192
Instrument for analysis of natural uranium solutions by gamma absorptiometry, 25:458 (AAEC/TM-557)
On-site fuel processing and recycle plant: design study, 21:23611 (ORNL-3959)
Production and utilization of U in nuclear reactors, 23:22505
Production and utilization of U in nuclear reactors, 23:41713
Radioisotope instruments for analysis of uranium solutions, 24:50350 (AAEC/TM-552, pp 9.1-15)
MAY, J. W. Adsorption of hydrogen on tungsten (112), 24:46727
MAY, James P. Age of Cape Kenndey barrier-and-lagoon complex, 24:18905
MAY, Joan T. Metallurgical application of solvent extraction. II, 25:10656 (BM-IC-8502)
MAY, John Edward Doped hypostoichiometric dioxide nuclear fuel composition and method of preparation, 22:38611
MAY, L. Selection of absorber mounting materials in Moessbauer spectroscopy, 21:39210
MAY, Leopold Computer curve fitting of Moessbauer spectra using ALGOL with computer time-sharing system, 22:41650 (NYO-3798-2)
Elemental analysis of proteins by 14-MeV neutron activation, 21:35874
Introduction to Moessbauer spectroscopy, 25:50025
IR spectra of N-acetylglycine and N-acetylglycine-D_2, 22:47123
Prog. rpt. on Moessbauer spectroscopy of biochemicals containing Fe, annual, 10/70—8/71, 25:60279 (NYO-3798-12)
MAY, M. J. Comparison of calculated and measured long term gamma doses from a stack effluent of radioactive gases, 25:16176
Linear elastic fracture mechanics in U. K, 24:17280
MAY, Michael M. Public corporation for Plowshare, 23:40908 (UCRL-50693)
MAY, O. Modes of emergency cooling of the SNR, 24:52762
MAY, P. Unilateral determination of effective renal plasma flow by radioisotopes, 25:26826
MAY, Pierre Research on DNA of K rat virus, 23:4508 (ORNL-tr-1798)
MAY, R. Investigation of fresh fallout samples with Ge(Li) semiconductor counters, 21:4473
Welding problems connected with fabrication of moderator tank for Niederaichbach Nuclear Power Plant, 25:35322
MAY, R. D. Subroutine LAPINV for numerical inversion of Laplace transform, 21:42850 (ORNL-TM-1968)
MAY, R. M. Charge exchange collisions involving multi-electron atoms (Li and Na), 22:49985 (NP-17621)
Charge exchange collisions involving multielectron atoms, 23:6890
Compressional Alfven wave reflection from a magnetic cliff, 24:42729
Deuteron stripping analysis, 21:34041
Deuteron stripping theory, 22:20725
Energy loss by fast test ions in a plasma, 24:12828
Energy loss of fast test ions in a plasma in a weak magnetic field, 23:48910
Energy loss of fast test ions in a plasma with a strong magnetic field, 24:1432
Exact equation of state for a 2-dimensional plasma, 21:42113
Exact pair correlation function for two-dimensional Coulomb gas, 21:16918
Formation of highly excited neutral atoms by charge exchange, 24:51451
Neutron tunneling reactions, 22:22640
Neutron tunnelling cross sections, 25:31419
Polarization in (d,p) stripping reactions, 21:34042
Resonance charge transfer between H(1s) and H^+, 21:33134
MAY, R. P. Determination of the specific impulse, pressure-time profile, and explosive reflection characteristic for reconstituted sheet explosive, 24:41135 (SC-DR-70-432)
Hugoniot relationship for a high density, distended cermet (thoria-molybdenum), 25:22152 (SC-DR-70-908)
Some dynamic mechanical properties of distended carbons, 24:51211
MAY, Raoul-Michel Localization of acetylcholinesterases in marrow of x-irradiated chicken embryos, 22:4579
MAY, Robert M. Electron scattering and tests of cosmological models, 22:26118
Neutron tunneling in $^{3}He(^{3}He,2p)^{4}He$, 22:49929
Rate of proton—proton reaction, 23:14475
Rate of the proton—proton reaction, 22:29124
Test ion energy loss in a plasma with a magnetic field, 24:35429
MAY, S. Determination of all the rare earths by activation analysis, 22:4034
Determination of impurities in nuclear graphites, 24:13789
Neutron activation analysis: Ti and Pb in Al and Fe, 24:9262
Quantitative determination of impurities in nuclear graphite by activation analysis, 23:11445 (CEA-CONF-1057)
MAY, Serge Determination of Ge in high-purity Fe and Al by neutron activation analysis, 24:36190
Ion exchange studies with Zr phosphate, Zr tungstate, and Zr molybdate, 25:48573
MAY, T. C. Search for energetic gamma-ray emission from supernova remnant Cassiopeia A, 23:27274
MAY, T. H. Nondestructive assay of fissionable materials, 24:2166
Polarization of neutrons from the $^{2}H(d,n)^{3}He$ reaction below 400 keV, 22:15945
MAY, T. L. Uniform model universes containing matter and blackbody radiation, 24:37169
MAY, Thomas Clifford Gamma emission from supernova remnants and its relation to origin of cosmic rays, 23:27276
MAY, Thomas Leslie Uniform model universe containing matter and black-body radiation, 25:45277
MAY, Victoria A. Neutron cross sections, IIC, 21:33958 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2C))
MAY, Victoria M. Angular distributions in neutron-induced reactions. I, 25:5549 (BNL-400(3rd Ed.)(Vol.1))
Neutron cross sections, 21:2653 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2A))
Neutron cross sections, 21:11919 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2B))
MAY, William Charles Cooling of nuclear reactors, 23:40476
Improvements in fast reactors, 24:26779
Improvements in nuclear reactors, 23:47226
Improvements in tubular heat exchangers, 23:40937
MAYADAS, A. F. Electrical resistivity of W films, 24:19994
MAYAE, E. A. Particle injection system of the 70 GeV proton synchrotron of IFVE, 23:30850 (CERN-Trans-69-6)
MAYAHI, M. F. Prog. rpt. on preservation of dates by γ-radiation, 10/70, 25:19158 (NP-18679)
MAYALL, N. U. Mean rotational velocities of 56 galaxies, 25:11635
MAYANDA, Marcel Presence of uraninite in sand on Quiberon beach, 23:19870
MAYANSKII, D. N. Isoenzymatic spectrum of lactic dehydrogenase in xenogenic radiation chimeras, 25:10992
MAYAUD, Pierre-Noeel Equatorial counter electrojet and inverse Sq current layers, 23:20768
MAYAUSKAS, I. S. Effect of high-temperature gas current on refractories of zirconium dioxide, 22:49782
Erosion of the refractory Zr oxide ceramics. IV, 23:22622
Gas erosion of zirconium oxide ceramics. II, 22:11060
Strength characteristics of granular zirconia refractories at temperatures up to 2500°K, 22:11059
MAYAUSKAS, Yu. S. Investigation of volatilization of MgO and ZrO_2 in oxidizing atmospheres, 25:58345
MAYBECK, Michel Tritium study of dynamics of waters of Lac Leman (Geneva Lake), 24:36386
MAYBERRY, William E. Ophthalmopathy of Graves' disease, 22:49625
Radioiodide in Graves' disease, 22:49626
MAYBREY, A. Economic assessment of nuclear power plant, 25:53940 (A/CONF.49/P-473)
MAYBURG, Sumner Generation of an impurity-vacancy pair in silicon during irradiation, 21:821 (AD-632466)
Prog. rpt. on radiation damage during operation of AFCRL linac, final, 6/15/65—8/15/66, 21:19084 (AD-642415)
Radiation damage studies and impurity analysis in Si and in laser materials, 23:18717 (AD-664325)
MAYBUROV, V. B. Multitube generating bank, 25:49923 (NP-18943)
MAYCOCK, Alan George Circuit arrangements for generating electrical pulses, 21:46636
Controlling the deflection of a charged particle beam 21:46635
MAYCOCK, John Improvements in or relating to magnetohydrodynamic apparatus, 22:9142
MAYDAN, D. Some logarithmic properties of photomultipliers, 23:14098
MAYDEW, R. C. Analysis of heat transfer and boundary layer transition on a blunt body at hypersonic speeds, 21:28155 (SC-RR-67-142)
MAYDEW, Randall C. Supersonic and transonic deployment of ribbon parachutes at low altitudes, 25:48405 (SC-DC-714022)
MAYE, R. F. Further analysis of two normally intersecting cylindrical shells subjected in internal pressure, 24:44217
MAYEDA, Kazuho Incidence of leukemia developing after therapeutic irradiation for cancer of breast and uterus, 23:29857
MAYEDA, Masaru Uranium content and the activity ratio $^{234}U/^{238}U$ in marine organisms and sea water in the western North Pacific, 24:48195
MAYEDA, Toshiko K. Effect of polymorphism and magnesium substitution on oxygen isotope fractionation between calcium carbonate and water, 23:40650
Oxygen isotope fractionation between minerals and an estimate of the temperature of formation, 24:20708
Oxygen isotope fractionation in divalent metal carbonates, 24:9441
MAYER, A. Dielectric properties of oxyhemoglobin and deoxyhemoglobin, 23:38449
Mechanical constant velocity drive for Moessbauer-spectroscopy of hemoglobin, 21:32397
Sodium parameter study code: NAPS, 23:5992 (BAW-1326)
MAYER, B. Analog resonances and polarization, 24:38281
Asymmetry of the inelastic scattering of 20.3 MeV polarized protons on ^{24}Mg, ^{26}Mg, and ^{28}Si, 25:17825
Collective states in light nuclei, 24:24515
Effect of spin—orbit terms of the optical potentials on the asymmetry in (p,d) experiments with polarized protons, 25:17856 (CEA-CONF-1652)
Elastic and inelastic scattering of 20.3-MeV polarized protons from ^{90}Zr, ^{92}Zr, and ^{92}Mo, 24:1864
Inelastic scattering of polarized protons at 20 MeV, 22:27010
Inelastic scattering of polarized protons by ^{40}Ca at 24.5 MeV, 25:14923 (CEA-CONF-1656)
j-mixing determination in (p,d) reactions by asymmetry measurements, 25:14921 (CEA-CONF-1653)
Measurement of vector and tensor polarization in elastic scattering of 21.7 MeV deuterons by protons, 21:46663
Proton-polarization measurements and distorted-wave calculations for $^{52}Cr(d,p)^{53}Cr$ at 11 MeV, 23:25898
Reactions (p,d) on ^{57}Fe, ^{61}Ni, ^{91}Zr with a proton-polarized beam, 24:8875
Reactions (p,d) with a beam of polarized protons, 25:17831
Search for T = 1/2 states in ^{3}He by elastic scattering of protons on deuterium, 22:1592
Study of (p,d) reactions on ^{118}Sn and ^{119}Sn with polarized protons, 25:20365 (CEA-CONF-1657)
Study of (p,d) reactions on ^{40}Ca and ^{48}Ti with polarized protons, 25:14922 (CEA-CONF-1655)
Study of (p,d) reactions on ^{90}Zr and ^{92}Mo with polarized protons, 25:14980 (CEA-CONF-1654)
Study of reactions (p,d) on nuclei of ^{57}Fe, ^{61}Ni, ^{91}Zr by means of polarized protons, 24:3876 (CEA-CONF-1332)
Tensor and vector polarization in 22-MeV deuteron scattering on protons, 21:21422
MAYER, C. H. Galactic water vapor emission, 23:51231
Polarization of cosmic radio sources, 21:34999
Polarized brightness distribution over Cassiopeia A, Crab Nebula, and Cygnus A at 1.55-cm wavelength, 22:13161
MAYER, Eric Apparatus for nuclear orientation measurements at low temperatures, 21:23136 (CEA-R-2987)
MAYER, Frederick Joseph Two aspects of transverse charged particle diffusion in the positive column, 24:32842
MAYER, G. Problems of nuclear steam-power plants for industrial purposes, 25:34237
Remarks to the introduction of a uniform radiation protection chart, 25:46872
MAYER, Guy Irradiation of cellular organelles with the aid of a ruby laser, 21:18140
MAYER, H. Fabrication of the boilers for KWO, 23:15591
Interaction of beams of condensed molecules with solid surfaces, 23:36467 (ORNL-tr-2184)
Maximum escape depth of monoenergetic secondary electrons, 21:7363

Mechanical properties of cast irons alloyed with molybdenum and tungsten, 24:10062
Method for measurement of very low vapor pressures. III, 22:12214 (UCRL-Trans-10198)
Oxide fuel pins behavior, 25:47180
Surface tension of the liquid alkali metals measured in ultra-high vacuum, 22:17459
Symmetric integral equations derived from Faddeev equations, 25:19516
MAYER, H. M. Fresnel dragging of 3 cm microwaves by low-pressure discharge, 23:1449
Interferometer for measurement of Fresnel dragging effect on microwaves by plasma, 23:10629 (IPP-3/79)
Interferometer for measurement of Fresnel dragging effect on microwave by electron plasma, 24:15358
Propagation and Fresnel effect of microwaves in waveguide partially filled with cold plasma dielectric, 24:6560 (IPP-3/94)
Trapped particle pinch in Tokamak, 25:49863 (IPP-4/20)
MAYER, Hans Nuclear power plant with wet-steam generator and steam drying system, 25:20743
MAYER, Harris L. Eyeburn damage calculation for an exoatmospheric nuclear event, 21:36678
MAYER, I. EPR spectra of irradiated solid glycine, 25:18468
Rare-earth silicides and germanides of Mn_5Si_3 type substituted by europium, 25:42895
MAYER, J. Cesium-137 uptake from food, 22:40682
Radical processes in radiolysis of the ethanol—benzene system, 23:293
Radiolysis of liquid ethanol—benzene mixtures in the presence of electron scavengers, 24:9361
Radiolysis of the ethanol—benzene system in the presence of iodine, 21:4571
Stabilisation of electrons in alkaline γ-irradiated ice at 77°K, 24:7450
MAYER, J. W. Analysis of Cd and Te implantations in Si, 24:19945
Analysis of disorder distributions in boron-implanted silicon, 25:19830
Analysis of Rb and Cs implantations in Si, 24:51800
Analysis of Sb-implanted Si by (p,p) scattering and Hall measurements, 21:25176
Behavior of group II and VI elements implanted in Si, 24:28406
CdTe as gamma detector, 21:45416
Contact effects, 23:22024
Electrical behavior of ion implanted Si, 24:6660
Enhanced diffusion and out-diffusion in ion-implanted silicon, 24:45322
Enhanced outdiffusion in ion-implanted silicon, 24:28422
Enhanced oxidation on ion-implanted silicon, 24:40169
Evaluation of CdTe by nuclear particle measurements, 21:11705
Evaluation of CdTe by nuclear particle measurements, 22:6560 (CONF-660663-, pp 37-52)
Experimental evidence for interstitial In and Tl, 22:24452
Hall effect analysis of ion-implanted Si and Ge, 24:24116
Hall effect measurements on Sb- and Ga-implanted Si, 24:18026
Hot implantation behavior of group-III and -V elements in Si and Ge, 22:11536
Influence of carrier diffusion effects on window thickness of semiconductor detectors, 24:29505
Influence of trapping and detrapping effects in Si(Li), Ge(Li) and CdTe detectors, 24:39298
Ion implantation of Si and Ge at room temperature, 22:26489
Ion implantation of silicon. I, 22:9456
Ion implantation of silicon. II, 22:13585
Ion implantation, 23:22025
Ion implantation: lattice disorder, 25:56304
Lattice disorder created in Si by 40 keV Sb ions, 23:16881
Lattice disorder produced in silicon by boron-ion implantation, 24:42796
Lattice location and dopant behavior of Group II and VI elements, 25:27856
Material requirements for semiconductor devices used in gamma ray detection, 22:38027
Production and annealing of lattice disorder in Si, 24:6630
Transport properties of semi-insulating CdTe using nuclear particles, 21:33531
Trapping phenomena in semiconductor detectors, 23:22011
Use of channeling to investigate gallium-implanted silicon, 22:37016
Use of ion implantation techniques to fabricate semiconductor nuclear particle detectors, 22:38042
Use of semi-insulating CdTe and GaAs for gamma detection, 22:38030
MAYER, Jacek Adiabatic low-temperature calorimeter for specific heat measurements of solids and liquids in temperature range 77 K to 400 K, 25:54365 (INP-750)
MAYER, James W. Ion implantation in semiconductors, 23:17759
Ion implantation in semiconductors, 24:24133
Ion implantation in semiconductors: silicon and germanium, 24:49253
Method of restoring crystals damaged by irradiation, 25:4895
MAYER, Jan Determination of radioactive and stable cesium, 25:31773
MAYER, John T. NERVA control drum actuator irradiation test program, 23:52427 (N-69-31870)
Radiation effects on thermionic insulator materials, 22:36553 (N-68-17095)
Reactor irradiation of thermionic sheath insulators, 25:55096 (N-71-24635)
MAYER, Jozef Radiolysis of ethanol-benzene system at -196°C, 21:40924

MAYER, K. Computer-analyzed counting and scanning, 25:8716
Methods and applications of quantitative computer-analyzed scanning, 23:6491 (NYO-910-76(App.1))
Quantitative computer-analyzed scanning, 23:33618
MAYER, Klaus Radioactive isotope instrumentation, data analysis, and organ scanning studies, 23:12147 (NYO-910-75, pp 2-10)
Spleen scanning using acid-damaged red cells tagged with ^{51}Cr, 24:44564
MAYER, L. Blanket optimization as an example for a steam-cooled fast breeder reactor, 22:44864
Calculation of flux distributions in reactor sub-regions with generalized multiple collision probabilities, 25:10313
Calculation of flux distributions in reactor sub-regions with generalized multiple collision probabilities, 25:28805 (EURFNR-898)
Optimization problem in increasing the output of the FR-2, 21:30270
PYGMY: zero-dimensional burn-up program for fast reactors, 24:22496 (EURFNR-739)
Running description of two dimensional burnup program ASB, 24:20638 (KFK-1079)
MAYER, L. M. Osmotic concentration of contractile vacuole of Amoeba proteus following uv-light irradiation, 21:18151
MAYER, M. E. C*-bundles in algebraic quantum field theory, 21:11809
MAYER, M. S. Laboratory studies to sterilize the boll weevil with radiation, 21:6617
MAYER, Manfred M. Release of ^{86}Rb and hemoglobin from erythrocytes, 23:50383
MAYER, Morton S. Calculations on a radiant-heated out-of-core advanced thermionic reactor concept, 23:4395
MAYER, P. Eclipsing variable IU Aurigae, 25:58475
Spectral classification and photometry of stars in two H II regions, 25:30108
System of superconducting coils 5 cm, 17 cm, and 35 cm in diameter, 22:46106 (IPP-4/60)
MAYER, Pavel Eclipsing variable HD 35921, 22:49909
MAYER, R. Electronic work functions in system Zr—O in relation to oxygen concentration, 24:34945 (BMBW-FBK-70-1, pp 309-19)
Measurement of the thermal conductivity of solids at high temperatures, 24:34870 (BMBW-FBK-70-1, pp 81-94)
MAYER, R. M. Influence of B on the clustering of radiation damage in graphite. I, 23:34120
Influence of B on the clustering of radiation damage in graphite. II, 23:34121
Influence of boron on clustering of radiation damage in graphite. III, 23:34122
MAYER, Rayner M. Formation energy of a vacancy in graphite, 23:41744
MAYER, Robert H. Prog. rpt. on radiation-accelerated creep in polycarbonate, final, 7/66—6/67, 22:19682 (UCRL-13328)
MAYER, Rolf Electron work function in system Zr—O, 23:30170
MAYER, S. W. Isotope separation with the cw hydrogen fluoride laser, 25:10690
MAYER, Simon Ernest Radiation resistant semiconductor grade silicon containing a metal oxide, 23:32055
MAYER, Stuart L. Search for intermediate vector bosons and other processes using high-energy neutrinos and Fe-magnet spark chambers, 24:51915 (TID-25473(Vol.4), pp 209-18)
MAYER, T. A. Channel electron multiplier as an alpha detector, 22:28098
Transformer coupling for the continuous channel electron multiplier, 22:45372
MAYER, Ursula Near-ultraviolet surface photometry of southern Milky Way, 25:58653
MAYER, V. Determination of Nb and Ta, 22:48827
MAYER, V. W. Induction by uv-light of mutants of S. cerevisiae, 24:23165
Induction of petite mutants in S. cerevisiae, 24:21114
MAYER, W. 1- to 10-keV x-ray sky near the galactic center, 25:13857
Design and testing of an incore ionization chamber, 25:8061
Evidence for x radiation from radio galaxy M87, 22:11116
Interstellar absorption of 10-A x rays, 23:39159
Observations of pulsar NP 0532 in Crab Nebula, 23:30248
Positions of x-ray sources in the Sagittarius region, 24:15053
Precise location of Sagittarius x-ray sources, 24:46922
Radiotherapy of Hodgkin's disease. I, 25:44867
Upper limits on angular sizes of three x-ray sources in Sagittarius region, 24:15052
X-ray observations of pulsars, 25:19359
MAYER, Walter Apparatus for eliminating the effects of noise in the determination of neutron reactivity, 24:19271
Measurements on fuel elements for power reactors in a critical assembly, 25:31573
Neutron radiography in the PR 10 test reactor, 25:37553
MAYER, William J. Computer-aided recording of control wiring, 21:38107
Method of measuring oil consumption in an engine, 23:50047
MAYER-BOERICKE, C. $^{31}P(^{3}He,p\gamma)^{33}S$ and $^{39}K(^{3}He,p\gamma)^{41}Ca$ reactions and the γ decay of analog states in ^{33}S and ^{41}Ca, 25:56715
Alpha-scattering from ^{24}Mg between 14.9 and 19.1 MeV, 24:43189
Anomaly in the energy dependence of the angular distributions for deuterons scattered from ^{24}Mg in the energy range from 6 to 13 Mev, 21:1060
Automatic beam-emittance-measuring device for JULIC, 24:28670
Elastic scattering of 6 to 12 MeV deuterons by ^{48}Ti, 21:23450

J-dependence in $l = 2$ (^{3}He,α) reactions on ^{24}Mg, ^{28}Si, and ^{30}Si, 25:3637
j-dependence in $l = 2$ (^{3}He,d) reactions on ^{24}Mg, ^{28}Si, and ^{30}Si, 25:12479
Nuclear spectroscopic investigations of decay $^{191}Hg \rightarrow {}^{191}Au$, 24:38212 (JUL-659-KP)
Optical-model analysis for ^{3}He scattering from some light nuclei in the energy range 18 to 20 MeV, 23:1843
Ray tracing calculations according to field mapping for Juelich double monochromator, 25:50482
Reaction $^{25}Mg(^{3}He,\alpha)$ at $E(^{3}He) = 33.0$ MeV, 21:25483
Reaction $^{90}Zr(^{3}He,d)^{91}Nb$ at 18 MeV, 25:12613
Recent development at the Juelich Isochronous Cyclotron, 25:7771 (JUL-665-KP)
MAYER-BOERICKE, G. Emittance measurements at Juelich isochronous cyclotron, 25:31119
MAYER-COERICKE, Claus Conference on position-sensitive detectors in nuclear physics, Juelich, Ger., 7/69, 25:8469 (JUL-Conf-4)
MAYERHOFER, S. Dragon fuel box, 24:38573 (DP-Report-70)
Dragon fuel box, 24:40977 (DP-Report-64)
Influence of photoelectron statistics on time-correlations in fast coincidence measurements, 21:17870
MAYER-KUCKUK, T. Cross-section fluctuations in (p,α) reactions on ^{24}Mg and ^{37}Cl, 21:44606 (ZFK-122, pp 279-87)
Determination of the compound elastic effective cross section for the elastic scattering of protons on ^{54}Cr and ^{56}Fe for incident energies between 9 and 12 Mev, 21:1056
Fluctuations in nuclear reactions, 21:17415
Statistical model analysis of (p,α) reactions on ^{24}Mg, ^{37}Cl, and ^{45}Sc, 21:1057
MAYER-KUCKUK, Theo Nuclear structure investigations with modern accelerators, 23:25752
MAYERLE, Joan A. Clearance of ^{86}Rb, 23:50246
MAYER-ROSA, Dieter Rolling texture of body-centered cubic metals and alloys. I, 21:13130
MAYERS, D. F. Calculation of atomic wave functions, 22:21848
Calculation of stellar radiative opacity, 22:52370
Relativistic atomic wave functions for open shells, 25:58800
Relativistic atomic wave functions, 25:47349
Screening constants for relativistic wave functions, 21:5342
MAYERS, G. L. Isoracemization of N-carbobenzoxyamino acid ester derivatives, 25:26257
MAYES, D. Radioimmunoassay for plasma aldosterone, 24:31876
MAYES, I. W. Canonical quantization of chiral dynamics, 25:33815
MAYES, P. A. Computer programme for the calculation of radioactivity data from liquid-scintillation counters fitted with external standards, 22:4448
Computer techniques in laboratory investigations, 22:45006
MAYES, P. F. Costing of Canadian nuclear power plants, 25:53929 (A/CONF.49/P-149)
MAYES, T. W. Spectrographic measurements of electric shock tube flow, 22:13449
MAYES, Terrill Wayne Spectroscopic determination of the state of a high-pressure plasma, 22:36897
MAYES, V. M. Capture of π^- mesons in oxygen and other nuclei, 22:9781
MAYES WHITE, M. Transfer of ^{131}I from milk into cheese, 25:46705
MAYET, F. G. H. Measurement of blood loss by means of a whole-body counter, 22:10690
MAYEUR, C. Branching ratios for π^- mesonic decays of hypernuclei /sub Λ/^{3}H and /sub Λ/^{4}H, 24:49310
Compilation of binding energy values of light hypernuclei, 21:25448
Determination of the mass of the Λ hyperon, 21:18916
Mesonic decays of /sub Λ/^{3}H and /sub Λ/^{4}H, 24:15464
Question of existence of particle-stable /sub Λ/^{4}Li hypernucleus, 22:24527
Radiative decay $Y_0^*(1327) \rightarrow \Lambda\gamma$, 25:7529
Range-energy relation in emulsion, 25:7536
Search for rare decay modes of hydrogen and helium hypernuclei, 21:35414
MAYEVSKY, Avraham Solid state detectors in behavioral studies, 24:39302
MAYFIELD, E. B. Polarised solar radio emission at mm wavelengths associated with sunspot magnetic fields, 25:47292
MAYFIELD, Earle B. Variations in solar emission at 3.3 mm wavelength and their relation to flares, 24:44917
MAYFIELD, Hannah B. Standard distribution for unclassified scientific and technical reports arranged by category number, 24:13710 (TID-4500(55th Ed.))
MAYFIELD, R. M. Fabrication of V—Ti—Cr alloy fuel cladding for LMFBR applications, 22:4753
Prog. rpt. on fabrication of small-diameter, thin-walled W and W-alloy tubing, 1/64-12/65, 21:13118 (ANL-7151)
Vanadium alloy screening studies and fabrication of V—15 wt. percent Ti—7.5 wt. percent Cr tubing, 21:14799 (ANL-7206)
MAYFIELD, Ross M. Method of casehardening vanadium and vanadium alloys, 25:45020
MAYHALL, D. J. Plasma diagnostic methods for high temperature plasma research, 21:42029 (ARL-67-0062)
MAYHAN, Joseph T. Breakdown criteria for plasmas subjected to spatially nonuniform electric fields, 23:14803
MAYHAN, Joseph Thomas Interaction of intense microwave fields with initially heated air, 22:46153
MAYHAN, K. G. Kinetics of gamma-induced polymerization of methyl methacrylate-clay composites, 25:4107
MAYHAN, Robert Joseph Cylindrical waves in a compressible anisotropic plasma with scattering applications, 21:7267

- MAYHAN, S. J. Characterization of some UO$_2$ and PuO$_2$ powders, 24:44778 (BNWL-1441)
  - Dynamic electron microscopy of high temperature reactions, 23:41731
  - Dynamic electron microscopy of high-temperature reactions, 23:28651 (BNWL-SA-1565)
  - Metallographic preparation of some plutonium—uranium fuel materials, 24:3007
- MAYHAN, Shirley J. Preparation of samples for transmission electron microscopy of ceramics, 21:34945 (BNWL-SA-1223)
- MAYHEW, Barbara Immunologic function of thymus cells, 24:48451
- MAYHEW, M. D. Spectrophotometric determination of microgram amounts of Ta, 23:2247
- MAYHOOK, A. R. Beam measurements during commissioning of Harwell variable energy cyclotron, 12/65-8/66, 21:19096 (RHEL/R-135)
- MAYHUGH, M. R. Color centers and thermoluminescence process in LiF:Mg, 23:1516 (NYO-3474-5)
  - Color centers and thermoluminescence mechanism in LiF, 24:51812
  - Thermoluminescence and color center correlations in dosimetry LiF, 24:32910
  - V$_3$ band in LiF, 25:5156
- MAYHUGH, Michael R. Color center transformations in LiF:Mg, 22:1297 (NYO-3474-3(App.B))
- MAYHUGH, Michael Ray Color centers and thermoluminescence in LiF, 25:11958
- MAYINGER, F. Burnout tests in the scope of technical safety investigations,. 24:24824
  - Hydrodynamic stimulation of vibrations and their stabilization in the core of the Grenoble high flux reactor, 25:3909
  - Mathematic calculation for instability in two-phase flow, 23:16036
  - Prog. rpt. on burnout heat flux in boiling water, 10—12/65, 21:14380 (EURAEC-1550)
  - Prog. rpt. on burnout heat flux in boiling water, 1—2/66, 21:19351 (EURAEC-1524)
  - Prog. rpt. on critical heat flux in boiling, final, 5/66, 21:34392 (EURAEC-1811)
  - Thermohydraulic displays of reflector space in the Grenoble high flux reactor, 25:3910
  - Two-phase problems in nuclear reactors, 24:18637
- MAYKUTH, D. J. Prog. rpt. on properties of W-base sheet alloy, final, 2/8/66—11/1/66, 22:643 (AD-645143)
  - Refractory metals (Cb [Nb], Ta, Mo, W), 23:14315
  - Refractory metals (Cb, Ta, Mo, W), 22:41057
  - Silicide coatings for tantalum and tantalum-base alloys, 21:9064
- MAYKUTH, Daniel J. Tungsten—rhenium alloys, 23:3041
- MAYLOR, J. B. Corrosion, 21:6760
- MAYNARD, C. D. Comparative analysis of the accuracy of the /sup 99m/Tc pertechnetate brain scan: followup of 1000 patients, 21:28573
  - Quantification of glomerular filtration for each kidney simultaneously by a radioisotopic technique employing meglumine diatrizoate-^{131}I, 23:45824
- MAYNARD, C. Douglas Clinical applications of serial brain scanning, 25:29582
  - Clinical nuclear medicine, 24:46635
  - Concentration of /sup 99m/Tc by the choroid plexus, 22:43387
  - Construction of a functional image, 24:21232
  - Localization of the placenta, 23:38687
  - Multichannel analyzers in the analysis of the radioisotope cerebral angiogram, 25:32245
  - Pulmonary scanning in bronchogenic carcinoma, 23:31841
  - Radioisotope arteriography as an adjunct to brain scan, 23:31842
  - Reliability of brain scans and electroencephalograms in combination, 23:35810
  - Selenomethionine ^{75}Se thymus scans in myasthenia gravis, 25:19049
  - Spinal fluid appearance of /sup 99m/Tc pertechnetate, 23:50700
  - Statistical relationship of brain scans, cervicocranial dynamic studies, and cerebral arteriograms, 25:55281
  - Visualization of choroid plexus on /sup 99m/Tc brain scan, 21:34695
- MAYNARD, C. W. Feedback-induced spatial effects in a simple prompt critical reactor excursion, 25:6161
  - Real-time dynamic display of space—time fluxes using a hybrid computer, 25:41600
- MAYNARD, Charles W. Double spherical harmonics approximation for cylindrical geometry, 22:6153
  - Prog. rpt. on radiation interactions in solids: surface and high-pressure effects, final, 12/13/68, 23:12957 (COO-1439-2)
- MAYNARD, Elliott A. Excretion of U by rats, 21:22429
  - Inhalation study with natural UO$_2$ dust. I, 24:48373
- MAYNARD, George Herbert Removing matter from filter elements, 25:18572
- MAYNARD, H. M. Application of three-dimensional display techniques to radionuclide imaging, 25:32241
- MAYNARD, Jay Magnetic field fit to the 30" BNL bubble chamber, 22:23319 (BNL-12374)
- MAYNARD, L. A. Meteor burst communications in the arctic, 22:46027
  - Simultaneous vhf riometer and forward-scatter observations of the disturbed lower ionosphere, 22:46026
- MAYNARD, N. C. Electric field observations of ionospheric whistlers, 24:37318 (N-70-17417)
  - Electric field observations of ionospheric whistlers, 24:42567
  - Variations in electric fields from polar-orbiting satellites, 24:42591
- MAYNARD, Nelson C. Measurements of ionospheric currents off the coast of Peru, 21:23108
- MAYNARD, Nelson Charles Measurements of ionospheric currents, 21:33288
- MAYNARD, R. Phonon drag in graphite, 25:17325
  - Thermal conductivity of graphite. II, 22:13602
- MAYNE, K. I. Polarized electron beams, 24:3144
- MAYNE, P. J. Dewar tube sample cell assembly for low-temperature fluorimetry, 25:28925
- MAYNEORD, M. V. Environmental radioactivity and its biological significance, 21:18142
- MAYNEORD, W. V. Natural and man-made background radiation, 25:24162
  - Radiation and health, 23:5033
  - Radiation and health, 24:32028
  - Radiation carcinogenesis, 22:31251
  - Studies of α radioactivity in relation to man, 22:2517
- MAYNORD, J. R. Production of Mark VE inner and outer ingots by revised casting procedures, 21:9087 (NLCO-989)
- MAYO, B. J. Equations for space-charge electron flow with magnetic field, 21:2235
- MAYO, J. Effect on oral tissues and tooth germs of irradiation with deuteron beam, 22:568
  - Histochemical study of healing wounds, 24:27544
  - Histoenzymic reactions in rat epidermis subjected to deuterons, 25:24398
  - Multiplication of aphthous (foot and mouth disease) in previously irradiated tissue culture and animals, 24:39591 (PRNC-135, pp 215-23)
  - Multiplication of foot-and-mouth disease virus in irradiated adult rodents, 22:51429
  - Oral lesions produced in hamsters by x radiation, 22:12880
  - Vascular response in irradiated wounds, 24:34548
- MAYO, Kenneth E. Method of producing a thulium heat source material, 23:17710
- MAYO, M. A. Labeling of tobacco mosaic virus with ^{125}I, 22:28346
- MAYO, R. W. Operation survival, 24:411
- MAYO, S. Correction and regulation of the magnetic field of the cyclotron, 23:49231 (CNEA-238)
  - Modified regenerative beam extraction system for Buenos Aires 180 cm synchrocyclotron, 22:20383
  - Regenerative beam extraction system for Buenos Aires 180 cm synchrocyclotron, 23:17040
- MAYO, Santos Data on Buenos Aires synchrocyclotrons for years 1954—1965, 21:29658 (CNEA-188)
- MAYO, Wendell Analysis of critical-fuel-solution reactors containing arrays of void tubes, 21:38725
  - Analysis of uranyl fluoride solution reactors containing voided tubes, 22:16288 (NASA-TN-D-4270)
  - Characteristics of 2.17-MW fast-spectrum reactor concept, 24:16254 (N-69-40061)
  - Effect of adding lithium nitride, hafnium, tantalum, and tungsten to a fast-spectrum, molybdenum-reflected critical assembly, 25:1925 (N-70-26979)
  - Effective delayed neutron fraction for NASA Zero Power Reactor I, 21:5691 (NASA-TN-D-3709)
  - Neutronic calculations of fuel and poison drum control of refractory-metal, fast-spectrum, space-power reactors, 23:2090 (N-68-30750)
  - Neutronic comparison of beryllium oxide and molybdenum for movable reflector control of a fast-spectrum reactor, 23:45113 (N-69-29593)
  - Neutronic effects on moderator insertion in fast-spectrum reactors, 23:2087 (N-68-29950)
  - Nuclear design and experiments for the compact fast reactor for space power, 25:41579
  - Precritical analysis of fast-spectrum molybdenum reflected critical assembly, 25:23340 (N-70-41902)
  - Preliminary analysis of molybdenum-reflected, fast spectrum critical assembly, 25:6140
  - Radial power tailoring for a uranium dioxide T-111 clad reactor with contained fission product gases, 23:43175 (N-69-25305)
  - Reactivity control of fast-spectrum reactors by reversible hydriding of yttrium zones, 22:46999 (N-68-24559)
  - Reflector-based poison-drum control on equal-size reactor cores, 24:5556 (N-69-36756)
  - Small high-temperature nuclear reactors for space power, 22:37512 (N-68-15792)
- MAYOR, J. C. ARLEKIN: generalized reactor kinetics code using Lie-series, 21:38743 (EIR-111)
  - Optimization of gas-cooled fast reactors, 25:34324
- MAYOR, M. Influence of spiral galactic structure on local distributions of stellar velocities, 24:35123
- MAYOR, Michel Motions for nearby stars in connection with stellar evolution, 23:36310
- MAYORGA-CORTES, Alvaro Diagnosis of splenic infarction by scintillation scanning with ^{203}Hg-bromomercurihydroxypropane (^{203}Hg-BMHP), 24:44559
- MAYOROV, L. V. Anisotropy of neutron spectra in water near an absorber, 22:20415 (JPRS-43682, pp 63-80)
  - Methods of solving problems in neutron thermalization theory, 22:20414 (JPRS-43682, pp 43-62)
  - Neutron spectra in a two-region graphite-water system, 22:20418 (JPRS-43682, pp 123-36)
  - Theory of density damping of neutrons from a pulse source in a confined moderator, 22:20417 (JPRS-43682, pp 106-22)
- MAYOROV, V. G. Regeneration of cyclohexanone during extractive separation of Nb and Ta, 23:7610
  - Separation and purification of Nb and Ta by extraction with cyclohexanone from sulfuric acid solutions, 23:7609
- MAYOUX, Christian Comparison between the effects produced by electron bombardment and partial discharges on thin polyethylene samples, 25:6350
  - Irradiation of insulating foils with low energy electrons, 24:46555
- MAYQUEZ, E. Rodriguez Substitution experiments in fast experimental reactor CORAL-1, 25:51194
- MAYQUEZ, Eduardo Rodriguez Kinetics of Coral-I, 23:21531
- MAYR, A. Nuclear power plant Obrigheim: first year of operation, 24:43629
  - Preparation of high-quality interferons by the aid of strains of smallpox virus attenuated in cell culture passages, 23:2792
  - Results of ultra-sound tests on reactor pressure vessel of nuclear power station Obrigheim, 25:56892
- MAYR, E. Method for the study of 100 ns to 10 μs activities excited by 14.7 MeV neutrons, 25:48982
- MAYR, H. G. Dynamic coupling between F2-region and protonosphere, 23:16713 (N-68-33267)
  - Early effects of increasing solar activity upon the temperature and density of the 1000-kilometer ionosphere, 22:17465
  - Early effects of increasing solar activity upon temperature and density of ionosphere, 22:36804 (N-68-10509)
  - Electron cooling rates in midlatitude and auroral-zone thermosphere, 23:10508
  - Electron measurements bearing on energy and particle balance of upper F-region, 23:27434 (N-69-10466)
  - Energy and particle balance of upper F region, 23:30414
  - Global behavior of the ionosphere at 1000-kilometer altitude, 21:11538
  - Ion chemistry and thermal balance in E and F region above Wallops Island, 24:51501 (N-70-24824)
  - Ion chemistry and thermal balance in E and F regions above Wallops Island, 25:19575
  - Ion composition and temperature in ionosphere, 21:46222 (N-67-23964)
  - Ion composition and temperature in the topside ionosphere, 21:43918
  - Ion composition in F2 region, 23:32231
  - Measurements of electron cooling rates in the midlatitude and auroral zone thermosphere, 23:16706 (N-68-31337)
  - Model of magnetospheric temperature distribution, 22:41475
  - Plasmapause and its relation to ion composition in topside ionosphere, 22:38883 (N-68-13371)
  - Plasmapause and its relation to the ion composition in the topside ionosphere, 23:6935
  - Polar maximum of electron concentration at 1000-km altitude, 25:9317
  - Polar peak of electron concentration at 1000 kilometers altitude, 24:30206 (N-70-21477)
  - Response of the thermospheric density to auroral heating during geomagnetic disturbances, 25:40494
  - Seasonal variation in F2 region, 25:16953
  - Seasonal variations in F2 region, 24:37315 (N-70-16999)
  - Significance of the ionosphere—protonosphere coupling for the interpretation of topside sounder profiles, 24:26089
  - Study of the thermal plasma on closed field lines outside the plasmasphere, 24:51511
  - Thermal plasma on closed field lines outside plasmasphere, 24:12691 (N-70-11777)
- MAYR, Hans G. Altitude variation of ion composition in midlatitude trough region, 25:16892 (N-70-39303)
  - Altitude variation of ion composition in the midlatitude trough region: evidence for upward plasma flow, 25:40465
  - Temporal variations of thermospheric hydrogen derived from in situ measurements, 25:55973
- MAYR, Henrik-Juergen Radioprotective effect of erythropoietin, 21:45755
- MAYR, K. Development of UC-10 type fuel kernels, 24:51192 (DP-Report-379)
  - Spearhead attack in coated particle fuel, 24:14978
- MAYR, Kurt August Manfred Improvements in or relating to processes involving the pyrolytic deposition of carbon or other substances from a gas or vapour, 23:39028
- MAYR, L. M. Effects of reductone on irradiated E. coli, 25:13610
- MAYR, Otto Influence of Hall effect on high-current arcs, 23:27642
- MAYS, C. W. ^{241}Am retention in beagles, 24:50684 (COO-119-241, pp 123-43)
  - Americium-241 studies in beagles, 24:16953
  - Bone cancer induced by internally-deposited emitters, 24:34031
  - Cesium and rubidium studies in mice, 23:41199 (COO-119-239, pp 40-60)
  - Comparison of ^{137}Cs content of milk and people, 24:7832
  - Design and calibration of a total-body counting system for measuring radioactivity in beagles, 24:50895 (COO-119-241, pp 2-24)
  - Distribution and retention of injected ^{210}Pb in the beagle, 24:50683 (COO-119-241, pp 105-22)
  - Distribution of ^{241}Am in beagle, 23:11978 (COO-119-237, pp 117-23)
  - Evaluation of longterm effects of exposure to internally deposited radionuclides, 25:37710 (A/CONF.49/P-81)
  - Knothole, a new side-well gamma ray detector, 21:16187
  - POLYSPEC: a computer program to resolve complex gamma-ray spectra from samples of different densities, 21:42708
  - Potassium studies in humans, 21:24290 (COO-119-235, pp 107-36)
  - Radiation induced intraocular melanomas, 25:24333 (COO-119-242, pp 211-42)
  - Short half-times of ^{137}Cs in pregnant women, 23:14131
- MAYS, Charles W. ^{228}Th skeletal dosimetry and total-body ^{212}Bi retention in beagles, 24:50896 (COO-119-241, pp 144-62)
  - Bone cancer induced by internally-deposited emitters in beagles, 23:29734 (CONF-690404-3)
  - Bone cancer induced by internally-deposited emitters in beagles, 24:837 (COO-119-240, pp 86-96)
  - Bone cancer induction by radionuclides: incidence vs. dose, 25:24336 (COO-119-242, pp 385-401)
  - Bone cancers induced by ^{224}Ra, 25:16365
  - Conference on delayed effects of bone-seeking radionuclides, Sun Valley, Idaho, 9/67, 23:38429
  - Distribution of injected ^{226}R in the beagle skeleton, 24:50679 (COO-119-241, pp 60-8)
  - Distribution of injected ^{90}Sr in the beagle skeleton, 24:50682 (COO-119-241, pp 97-104)
  - Fractional radon retention in bone, 24:50680 (COO-119-241, pp 69-78)

- Lead-210 contamination of ^{228}Th: its contribution to dose in beagles in our ^{228}Th toxicity studies, 23:12062 (COO-119-237, pp 110-16)
- Photon detector utilizing a well-type scintillation crystal, 25:57759
- Radiation-induced bone cancer, 23:38800
- Radium and mesothorium retention and skeletal dosimetry in beagles, 24:50678 (COO-119-241, pp 25-59)
- Retention and skeletal dosimetry of injected ^{90}Sr in beagles, 24:50681 (COO-119-241, pp 79-96)
- Retention of ingested ^{86}Rb and ^{137}Cs by four patients with Duchenne muscular dystrophy, 23:41198 (COO-119-239, pp 2-29)
- Retention of injected ^{239}Pu by chinchillas, 25:23995 (COO-119-242, pp 377-84)
- Risk to adult man from permissible body burden of ^{239}Pu (0.04 μCi) equally divided between bone and liver, 24:838 (COO-119-240, pp 262-74)
- Risk to bone and liver from ^{239}Pu, 25:11301
- Short half-times of ^{137}Cs in pregnant women, 21:24291 (COO-119-235, pp 137-42)

- MAYS, Claude Wayne Determination of the surface stress of gold, 21:32060 (ORO-3108-28)
- MAYS, Laura Livingston Osmotic mutants of N. crassa, 24:29896
- MAYSER, B. Anode fall mechanisms, 22:34633 (AD-663218)
- MAYSKII, I. N. Results of a study of the effects of cosmic radiation and other space flight factors on lysogenic bacteria and human cells in culture, 21:11151
  - Results of investigation of the effect of cosmic radiation and other factors of cosmic flight on lysogenic bacteria and human cell cultures, 22:31291 (AD-663360)
- MAYSURADZE, P. A. Radial extent of corpuscular stream from chromospheric flare, 21:29124
- MAYSYUK, A. P. Changes in the skin in the region of repeated burns in animals exposed to ionizing radiation, 21:43451
- MAZA, B. G. Mortality rates in irradiated rodent populations, 21:28595 (UCLA-12-634)
- MAZA DEL TORNO, Victor Manuel Natural calcium fluoride as radiation thermoluminescent dosimeter, 24:23025 (NP-18179)
- MAZAEV, A. A. Interaction of tantalum with hydrogen at high temperatures, 24:1002
  - Regularity of solubility of hydrogen in transition metals of VI subgroup, 22:27635
  - Solubility of hydrogen in tungsten at high temperatures and pressures, 23:10172
  - Solubility of the hydrogen in molybdenum at high temperatures and pressures, 24:1003
- MAZAGOL, Lyliane Determination of internal and superficial oxygen content of molybendum obtained using 54 MeV α particles and low energy deuterons, 25:12957 (LYCEN-7076)
- MAZAK, R. A. Zero velocity for constant acceleration Moessbauer spectrometer, 23:38285
- MAZAKI, Gango Device for drawing out a radioactive sample, 22:37573
- MAZAKI, Gengo Cask for transporting a radioactive liquid, 22:47309
  - Device for preventing the gas leakage in a reactor experimental facility, 22:48758
  - Device for severing an irradiated sample from its holding rod, 22:48739
- MAZAKI, Hiromasa Determination of very low transition energy of /sup 235m/U, 21:15570
  - Positron straggling through thin foils, 23:1943
  - Single-quantum annihilation of positrons, 22:36723
- MAZALOV, Yu. P. Interaction of plasmoids with an axially symmetric magnetic field. II, 21:3871
  - Interaction of plasmoids with an axially symmetric magnetic field. III, 21:3872
  - Plasmoid motion in a field-free region, 21:3880
- MAZANEC, Karel Steels for nuclear-reactor pressure vessels, 23:27090
- MAZANOVA, A. M. Digital system for maintaining the maximum beam intensity of neutron generators, 23:46885
- MAZANOWSKA, Anna Biochemical lesions induced in subcellular structures by ionizing radiation. VI, 23:4887
- MAZARI, M. Absolute magnetic spectrograph for measuring nuclear energies, 23:11834
  - Characteristics of nuclear spectrometer, 24:18335
  - Design and construction of mechanical parts of the spectrograph, 24:18339
  - Estimation and correction of stray magnetic fields, 24:18336
  - Experiment ^{50}V(d,p), 21:13842
  - High precision 180° magnetic spectrograph for nuclear energy determinations, 23:19998
  - Spectrograph as a wide range nuclear polarimeter, 24:18338
- MAZARI, Marcos Accelerator center: architecture, administration, and installation, 24:18332
- MAZARS, Jean Properties of an h-f ion source placed in a longitudinal uniform induction magnetic field, 24:45668
- MAZARSKII, I. Z. Radiation loading in large-frame fluorography, 22:43330
- MAZARSKII, V. L. Precision apparatus with liquid hydrogen target, 25:12300 (JINR-P8-5212)
- MAZARYUK, E. A. Anisotropy of 10^{10}- to 10^{12}-eV cosmic rays in galactic space, 22:11264
  - Experimental determination of coupling factors for the oblique component of cosmic rays, 22:11246
  - Possiblity of determining cosmic-ray variation intensity from stellar time, 21:46190
  - Sidereal diurnal variation of cosmic rays, 22:21948
- MAZAUD, J. C. Existence of a new intermediate nickel—beryllium phase, 25:49465
  - Metallography of the 700°C precipitation in a Fe—40 percent Ni alloy containing beryllium, 25:55544
  - Sulfinuz on stainless steel near operating conditions of nuclear reactor, 23:14338
- MAZAUD, Jean-Claude Precipitation in Fe—Ni—Cr—Mo alloy, 24:14798
- MAZAURY, Edmond Use of extra-renal purification methods in the treatment of tritiated water contamination, 24:39496 (CEA-R-3974)
- MAZDIYASNI, K. S. Characterization of alkoxy-derived yttria-stabilized hafnia, 25:8949
  - Conference on decomposition of organometallic compounds to refractory ceramics, metals, and metal alloys, Dayton, Ohio, 11/67, 23:19718
  - Infrared and Raman spectra of zirconia polymorphs, 25:38587
  - New ceramic materials from thermal and hydrolytic decomposition of metal alcoholates, 23:22637
  - Phase stabilization of yttria—zirconia, 22:4901
  - Preparation and characterization of submicron hafnium oxide, 24:14889
  - Preparation and mechanical properties of hot-pressed zirconia—zirconia fabric composites, 24:46781
  - Refractory oxides from metal—organic compounds, 24:8175
  - Synthesis and crystallite growth mechanism of submicron particulates, 24:2989
- MAZDIYASNI, Khodabakhsh S. Transparent zirconia composition, 23:27179
- MAZE, R. Angular distribution of muon-poor extensive air showers, 24:1305
  - Fluctuations in longitudinal and lateral development of E.A.S, 21:33221 (INR-804/VI/PH)
  - Lateral distribution of the muon component in the central region of extensive air showers, 23:34520
  - Origin of muon-poor extensive air showers, 23:22949
  - Possibility of existence of a new process at interactions with energies above 10^{12} eV, 25:43567 (INR-1280)
- MAZE, Robert Craig Sessile drop test to study wetting by liquid metals in metallic systems, 22:4769 (IS-T-205)
- MAZE, Roland Absolute flux of hypothetical primary cosmic photons with energy 10^{15} eV, 21:20795
  - Angular distribution of large showers abnormally poor in muons, 23:32201
  - Direct method showing the existence of large air showers due to primary photons, 21:46185
  - Effect attributed to change composition of cosmic particles, 24:28129
  - Longitudinal and lateral development of EAS and ratio of muon to electron component density, 22:24072
- MAZEAU, J. Electron-impact threshold excitation of N_2, 24:45020
  - Resonance phenomena in low-energy-electron-impact excitation of He, 25:55851
  - Resonances in electron impact excitation of H_2, 24:15156
  - Threshold excitation of H_2 and D_2 by electron impact, 24:6365
- MAZEAU, Jean Excitation of n = 2 He levels by low-energy electrons, 25:35882
  - Excitation of N molecule by electron beam in energy range 1 to 12 eV, 22:34255
- MAZEEV, M. Ya. Calculation of the dissociation energy of calcium and uranium monofluoride, 21:27982
  - Potentials of uranium atoms and calculation of the ionization energy, 21:29000
- MAZEL, Annie Simultaneous reflections and transmissibility of electrons, 22:1312
  - Study of simultaneous reflections and their influence on the transmissibility of electrons accelerated to energies of between 100 and 1200 kilovolts, 21:37600
- MAZELINE, C. ESR spectrum of radical species trapped in x-irradiated single crystals of dimethyl (9-fluorenyl) sulfonium bromide, 22:23053
- MAZELSKY, R. Low-temperature heat capacities of superconducting degenerate semiconductors, 24:28176 (UCRL-19163)
- MAZENKO, J. J. Prog. rpt. on design effects on radiation resistance of transistors, final, 7/1/65—6/30/66, 21:12734 (AD-641406)
  - Prog. rpt. on effect of transistor design parameters on radiation response, final, 12/15/64-12/15/65, 21:1969 (AD-632716)
- MAZENKO, Jerome J. Prog. rpt. on radiation effect on power transistors, 1/1/66—3/31/66, 21:6897 (AD-635218)
- MAZESS, R. B. Absorptiometric bone mineral determination using ^{153}Gd, 25:4649 (CONF-700515-, pp 308-12)
  - Determining body compositions by radiation absorption spectrometry, 25:11114
  - Preliminary report on a direct digital readout system for absorptiometric determination of bone mineral content, 25:4632 (CONF-700515-, pp 22-7)
- MAZESS, Richard B. Bone mineral content in Wainwright Eskimo, 24:46141 (COO-1422-77)
  - Bone mineral content of Eskimos of Point Hope and Barrow, 25:46369 (COO-1422-103)
  - Comparison of radiological methods for determining bone mineral content, 23:9979 (COO-1422-23)
  - Developments in the dichromatic attenuation technique for the determination of bone mineral content in vivo, 25:46368 (COO-1422-97)
  - Direct digital readout system for measurement of bone mineral content using photon absorptiometry, 25:51278 (COO-1422-100)
  - Effects of fat on bone mineral measurements, 25:4644 (CONF-700515-, pp 255-62)
  - Estimation of bone and skeletal weight by the direct photon absorptiometric method, 23:8017 (COO-1422-30)
  - Preliminary report on a dual photon bone mineral measuring instrument, 25:51932 (COO-1422-98)
  - Rectilinear scanner for determination of bone mineral content, 25:46367 (COO-1422-96)
  - Spectral difference in commercial ^{125}I photon sources, 25:44542 (COO-1422-99)
  - Tissue changes following venous occlusion using photon absorptiometry, 24:43873 (COO-1422-76)
- MAZETS, E. P. Cosmic gamma-ray measurements in range 0.3 to 3.7 MeV, 25:58831
  - Investigation of γ radiation by Cosmos-135, 25:58835
  - Investigation of variations of annihilation γ radiation by Cosmos-135, 25:58836
  - Multipole radiative transitions in ^{191}Os and ^{191m}Os decay, 21:44708
  - Scheme of ^{125}Sb decay, 21:44674
- MAZEY, D. J. Damage structure in gallium arsenide bombarded with neon ions, 24:1477
  - Formation of insulating layers by use of reactive ion beams, 25:19781
  - Influence of channelling on radiation damage produced in silicon during ion bombardment, 21:27251
  - Influence of temperature and channeling on ion-bombardment damage in silicon, 22:26491
  - Interstitial double loops in proton-irradiated copper, 24:17340
  - Nature of faults formed in association with voids in AISI 316 stainless steel during 20 MeV C^{++} ion bombardment, 24:42172
  - Observation of ion bombardment damage in silicon, 22:34751
  - Observation of large faulted interstitial loops in proton-irradiated nickel, 24:51187
  - Platelets of interstitial atoms in proton-irradiated copper, 22:23851
  - Use of ion accelerators to simulate fast neutron-induced voidage in metals, 24:51190
  - Void formation during high-dose ion implantation at elevated temperatures, 25:19807
  - Void formation during ion irradiation of metals at elevated temperatures, 25:58320
  - Void formation in nickel, 316 steel, and nimonic PE16 during 20 MeV C^{++} irradiation, 25:58322
  - Void formation in stainless steel, 24:14847
- MAZHAR-UL-HAQUE Crystal and molecular structure of tetranitratobis(triphenylphosphine oxide)cerium(IV), 25:15636
- MAZHKAROV, S. Production of carrier-free ^{18}F from neutron irradiated Li carbonate, 21:10393
- MAZHULIN, A. V. Calculation of a sectioned accelerator tube with inclined fields, 22:7585
  - Increase in the efficiency of collecting secondary charged particles in accelerating tubes with oblique fields, 25:22922
- MAZIARZ, Zbigniew Thyroid activity in animals exposed to reiterated small doses of ionizing radiation, 25:52212
- MAZID, Abdul Radioisotope measurements of ground water velocities, 24:9518
- MAZIERE, B. Neutron activation determination of selenium in biological media, 25:10495
- MAZIERES, C. Amorphous hydrate zirconium oxide, 22:36557
  - Nature and heat production by amorphous hydrated zirconium oxide, 24:3008
  - Nature and thermal evolution of amorphous hydrated zirconium oxide, 22:38608
- MAZIERES, Ch. Electron spin resonance in liquid lithium, 25:52975
- MAZIERES, Charles Metallic—lithium precipitation in lithium salts irradiated with thermal neutrons, 22:36973 (UCRL-Trans-10246)
  - Nature of precipitated hydrated oxides of elements of group IV A. I, 24:27053
  - Nature of the precipitated amorphous oxides of the elements of group IV A. II, 24:29277
  - Study of the precipitates of metallic lithium in lithium fluoride and lithium hydride irradiated with thermal neutrons, 22:35832 (UCRL-Trans-10244)
- MAZIMON, L. C. High-energy scattering of strongly interacting composite particles, 22:48610
- MAZIMOV, R. K. Damping of drift waves, 25:59103
- MAZIN, V. I. Measurement and calculation of the coefficients of secondary gamma radiation, 21:21042
- MAZITOV, B. S. Determining niobium by activation methods, 25:62
  - Investigation of thermal conductivity of liquid hydrocarbons in a γ-radiation field, 21:4556
  - Lifetimes of 1080-keV level of ^{115}In and 1300-keV level of ^{111}Cd, 25:31327
  - Specific volume resistance of steatite ceramics in high-intensity γ fields, 25:9551
- MAZITOV, R. K. Damping of plasma oscillations in a magnetic field, 21:33418
  - Damping of plasma oscillations in weak magnetic field, 22:31809
  - Nonlinear theory of electromagnetic wave attenuation in plasma, 23:12798
  - Plasma oscillation damping in a magnetic field, 22:5368
- MAZKA, S. A. Boiling crisis in longitudinal flow past rod bundles, 24:16780
  - Boiling crisis with parallel flow in fuel rod bundles, 24:50512
- MAZLOUM, F. Identification and energy measurement by magnetic spectrometer, 23:47792
  - Identification of heavy ions by magnetic analysis and measurement of energy, 21:45361 (LYCEN-6738, pp 150-4)
  - Reactions (p,2p) at 156 MeV. II, 21:15495
  - Residual nuclei from ^{12}C + ^{12}C reactions at 87 MeV, 22:26878
- MAZNICHENKO, M. E. Collective interaction in high-current discharge plasma, 24:17968
  - Collective interactions in low-density plasma with high-current gas discharge, 24:15297 (KHFTI-69-31)
  - Collective interactions in low-density plasma with high-current gas discharge, 24:45239 (AEC-tr-7165)
  - Plasma satellites near HeI forbidden lines, 24:40060
- MAZO, Robert M. Excess Helmholtz function of isotope mixtures, 21:45123
- MAZOR, E. Isotopic composition of primordial helium in carbonaceous chondrites, 24:15001
  - Noble gases in unequilibrated ordinary chondrites, 22:11115
  - Radiation ages and gas-retention ages of carbonaceous chondrites and of unequilibrated ordinary chondrites, 22:4921 (COO-382-75)

Radiation ages and gas-retention ages of carbonaceous chondrites and unequilibrated ordinary chondrites, 22:6461
Radiation ages and gas-retention ages of carbonaceous chondrites, 22:38647 (N-68-11819)
Stable isotope composition of mineral waters in Israel, 23:45401

MAZOR, Emanuel Noble gases in carbonaceous chondrites, 24:42308
Primordial rare gases in unequilibrated ordinary chondrites, 21:14995

MAZOR, L. Spectrophotometric determination of fluorine in organic compounds with thorium chloranilate after hydropyrolytic decomposition of lead fluoride, 25:12936

MAZOT, P. Mechanical properties of Nb and three of its alloys, 24:32392
Study of hardening due to interstitials between 20 and 1200°C in Nb and Nb alloys, 25:19213

MAZOT, Philippe Interstitially related hardening zones of Nb, 24:32378

MAZOVKA, N. N. Possibilities for reducing occupational radiation doses in non-standard radiological departments, 21:8836

MAZOYER, B. Treatment of uraniferous solutions on ion exchange resins, 23:38074

MAZOYER, Bernard Improvements in or relating to mixer-settler apparatus, 21:45290

MAZOYER, Gaston Sampling device for a take-off plant, 22:25581

MAZRIMAS, J. A. Biological effects of ionizing radiation on milk synthesis. III, 21:22257
Ecology and radiation exposure of kangaroo rats living in a tritiated environment, 25:6666
Radiation effects on poly-dat from intramolecular tritium, 23:29298 (UCRL-50559)
Studies on liver DNA in tritiated kangaroo rats living at Sedan Crater, 22:49184 (UCRL-50461)

MAZUMDAR, A. S. Ghosh Catalytic effect of ions on the rate of reaction between Pu(III) and chlorine in chloride solutions, 21:23855 (AEET-275)

MAZUMDAR, M. Statistical hot spot factor analysis for LMFBR-core, 25:48251

MAZUMDAR, S. K. Responses of the central nervous system to low doses of ionizing radiation, 21:8993

MAZUMDER, Malati Effects of inorganic salts on sensitivity of A. niger to ultraviolet rays, 23:31998

MAZUMDER, S. C. Intra- and interspecific radiosensitivity of grasshoppers, 24:25464
X-ray induced damages to meiotic chromosomes of grasshoppers, 24:36737

MAZUR, A. Preparation and properties of six rat red cell hemoglobins, 25:28866 (NYO-3976-5)
Prog. rpt., 6/70—5/71, 25:28865 (NYO-3976-4)

MAZUR, Abraham Role of the spleen in iron metabolism, 24:25391

MAZUR, Benedykt Reactivation in poxvirus group. III, 24:9974
Reactivation of Vaccinia virus, 23:50951

MAZUR, Claude Relative thermal neutron flux distribution in core of RV-1 reactor, 25:12826

MAZUR, J. Influence of aluminum admixture on the superconducting properties of tin, 22:41504
Superconducting transition temperature of Hg, 24:21706
Superconducting transition temperature of tin with thallium admixtures, 25:7342

MAZUR, Leopold Radioactive elements in granite near Strzegom, 22:30702

MAZUR, N. I. Calculation of load characteristics of MHD generators, 22:52562

MAZUR, P. Measurement to nuclear radius of ^{4}He, 22:20439
Northwestern University 50 cm liquid helium bubble chamber, 22:47380
Range equation for energetic particles in amorphous materials, 24:24123

MAZUR, P. O. Low-momentum K^{-}—^{4}He scattering, 24:24247

MAZUR, Peter Basic and mission research in biological sciences at ORNL, 25:18293 (ORNL-TM-3218)
Factors affecting cell injury in cryosurgical freezing, 21:35798 (ORNL-P-3103)
Physical-chemical factors underlying cell injury in cryosurgical freezing, 21:38831 (ORNL-P-3074)
Research on statistical mechanics, 22:52897 (AD-662640)

MAZUR, Peter Ogden Low-momentum K^{-}—^{4}He interactions, 25:22969

MAZUREK, Andrzej Bilateral renal dysplasia in an infant, 24:50820

MAZUREK, C. Isoantigens of two radiation-induced lymphosarcomas, 22:14965
Radiolymphosarcomas of mouse, 24:643

MAZUREK, J. V. Radioactive source and method of manufacture thereof, 24:5957

MAZUR-GOEBEL, Anna Matrix elements of pairing Hamiltonian for D (lambda, 0) representation of R$_5$ group in (n, T, T$_0$) basis, 22:18325

MAZURIER, Alain Crystallographic study of U$_3$Se$_5$, 23:7514

MAZURIK, V. K. Content of beta aminoisobutyric acid in livers of irradiated rats, 21:6444
Dependence of excretion of deoxyuridine, thymidine, and beta-aminoisobutyric acid by rats on the dose of irradiation and time after whole-body radiation influence, 24:27533
Effect of free thymidine and DNA on survival of irradiated animals, 23:43694
Influence of irradiation on the urinary excretion of deoxycytidine and beta-aminoisobutyric acid in monkeys, 25:26999
Study of role of lymphoid tissue in post-radiation hyperexcretion of deoxycytidine, deoxyuridine, and thymidine with specific antiserum, 24:50736
Therapeutic effect of desoxyribonucleic acids and nucleotides in experimental radiation sickness, 23:50857

MAZURKIEWICZ, Walentyna Disorders of hair growth and follicular melanogenesis, 24:8011

MAZUY, K. K. Radiosensitization of KB cells in vitro by hydrazine derivatives, 23:22349

MAZYUKEVICH, N. P. Possibility of use of photoneutron method for determination of hydrogen in metals, 21:19540

MAZYUKEVITCH, N. P. Possibility of analysis of some metals for O by counting delayed neutrons produced by ^{16}O(γ,p)^{17}N reaction, 21:8220

MAZZA, A. X ray effects on granuloblasts, 23:26863

MAZZA, A. L. Λ-particle binding in nuclear matter, 25:12668

MAZZA, F. Spontaneous dissolution of metals in aqueous electrolytes. I. Kinetic isotope effects in the reaction of iron with hydrochloric acid, 25:41808

MAZZA, Joseph S. Nuclear radiation shielding window, 21:10562

MAZZA, Marcel Radioprotective properties of certain nitrogenous compounds heterocyclic on the serum proteins of irradiated mice, 23:29342 (CEA-R-3679)

MAZZA, R. J. Liquid scintillation counting with a single photomultiplier tube, 21:30710

MAZZACURATI, V. Search for excess electron photo-ejection in liquid He, 25:5060 (NP-18484)

MAZZAFERRI, E. L. Dosage of ^{131}I in hyperthyroidism, 24:4669

MAZZANTI, A. Comparative analysis of various fuel cycles in a CIRENE-type reactor, 23:26049 (RT/FI-(68)39)
Fuel cycle analysis in CIRENE type reactors, 23:52358
Preliminary design and economic evaluation of Cirene type reactor fueled with thorium oxide, 22:22827 (RT/FI-(67)29)

MAZZANTI, G. L. Use of radiostrontium in scintigraphy of Paget's osteodystrophy, 23:31838

MAZZANTI, P. Chiral-invariant effective Lagrangians and B-meson decay, 23:39698
Dispersive impulse approximation and nucleon—deuteron elastic scattering, 22:46473
Linear and nonlinear realizations of SU$_3$ X SU$_3$ and the A$_1$ decay, 24:40374
Piπ scattering lengths in m/sub sigma/ = infinity limit, 25:22806

MAZZANTI, T. ENEL's experience with on-line computers in nuclear power stations, 23:40301
Optimal operational strategy in nuclear fuel management, 25:41454

MAZZARI, C. Adam+Eva, scanning and measuring machine for film from the large bubble chambers, 25:13270 (CERN-70-21(Vol.2), pp 633-49)
System of film-plane digitizers on-line to a CDC 3100 computer, 24:44312 (CERN-70-19)

MAZZEI, A. Organometallic chemistry of U, 24:201

MAZZEI, M. Ion-exchange paper chromatography of inorganic ions. XXV, 24:2171
Paper electrophoresis of metal ions in acetate buffers, 22:27567

MAZZELLA, G. Anoxia induced by respiration of lean mixtures on guinea pigs subjected to hemilethal doses of x radiation. II, 21:13032
Hematopoietic variations in irradiated animals, 21:11026
Influence of anoxia on the guinea pig subjected to hemilethal doses of roentgen rays. I, 21:18087

MAZZIE, J. A. IIT flux compression facility, 22:21260

MAZZILLI, Elenice Mass of uranium oxide for subcritical assembly Ressuco, 22:27463 (IEA-130)
Use of IBM 1620 computer for estimation of buckling in critical assemblies, 22:25084 (IEA-128)

MAZZINI, M. Activities of Scalbatraio center for research in nuclear safety, 25:31610
Psico 10: facility for testing containment for nuclear plants, 23:52392
Scalbatraio Center for research in nuclear safety, 24:43784 (CONF-700608-13)

MAZZINI, Marino Comparative economic evaluation of 300 MW(th) organic moderated and cooled reactor (of ROVI type) for sea water desalination, 22:44858

MAZZIO, Joann Ion implantation: a selective bibliography, 25:36269 (SC-B-710148)

MAZZIOTTI, A. Nuclear magnetic shielding constants in atomic systems, 24:30165

MAZZIOTTI, Alexander Atomic and molecular pseudopotential studies using Gaussian orbitals, 24:26028
Error bounds to expectation values, 25:58810
Improved bond-stretching-energy curves from the integral Hellmann—Feynman method, 23:20681
Lower bounds and estimation of energy eigenvalues in a Gaussian basis, 24:3153
Lower bounds to energy eigenvalues, 23:27339
Upper and lower bounds to expectation values, 24:23755

MAZZOLA, G. Activity emitted with the expired air by patients, 24:23100

MAZZOLA, S. Laterally scattered radiation used in superficial roentgen therapy, 24:34527

MAZZOLAI, F. M. Anelastic relaxation effects in cold-worked and hydrogen-doped vanadium, 24:46731
Internal friction due to long-range diffusion of H in Nb, 24:6194
Internal friction due to long-range diffusion of hydrogen and deuterium in vanadium, 24:48832
Investigation on Ta—H system by internal friction measurements, 24:2925

MAZZOLAI, Fabio Massimo Migration of point defects and dislocation relaxation in tantalum, 21:18270
New ultrasonic method of studying the migration of point defects to dislocations, 21:20501

MAZZOLDI, P. Disorder in implanted semiconductors, 25:36300
Interaction between B atoms and defects produced by Hg bombardment in silicon, 24:30392
Ion motion in liquid helium, 21:5219
Mercury ion implantation in silicon, 24:42786
Nitrogen-ion implantation on p-silicon in energy range between 20 and 215 keV, 23:1551
Periodic critical velocities of ions in liquid helijum II, 22:15489
Positive ions in liquid helium II, 23:8544
Replacement reaction between Tl dopants and Si atoms, 24:1479
Vorticity in liquid helium studied by the ion technique, 21:18591

MAZZOLENI, G. F. Use of photo-conductive cell in x-ray detection, 23:7876

MAZZOLENI, G. P. Aluminum and unirradiated MTR fuel elements dissolution in acid and acid-deficient final conditions. II, 21:6000 (RT/CHI-(66)17)
Unirradiated MTR fuel elements dissolution in semicontinuous flooded dissolvers for acid and acid-deficient final conditions, 22:4234 (RT/CHI-(67)8)

MAZZOTTI, G. Design data for the CIRENE reactor power channels, 24:4057 (CISE-R-117)
Temperature oscillations of wall cooled by two-phase mixture in supercritical conditions, 24:2377 (CISE-R-176)
Thermal losses toward moderator in metallic—uranium reactor of Cirene-type, 24:13548 (CISE-R-177)

MAZZUCATO, E. Anomalous plasma resistivity at low electric fields, 25:9443
Anomalous resistivity and association of fluctuations and collision frequency with confinement, 22:44070 (MATT-621)
Anomalous resistivity and the association of fluctuations and collision frequency with confinement, 23:32334
Normal and anomalous conductivity in toroidal discharge from Thomson scattering measurements, 22:22140
Use of first and second harmonic laser light in study of fast theta pinch, 21:3828

MAZZUCATO, M. Annihilation anti pn $\rightarrow$ $\pi^{+}\pi^{-}\pi^{-}$ between 1.0 and 1.6 GeV/c and its comparison with Veneziano model, 25:3270 (INFN-PD-70/2)
Annihilation anti pn $\rightarrow$ $\pi^{+}\pi^{-}\pi^{-}$ between 1.0 and 1.6 GeV/c, 25:14548

MAZZUCCONI, F. Isodensitometric analysis of Flare of 1966, March 20, 25:32980
Sun's polar surges and magnetic fields, 21:20700
West-limb activity on July 9, 10, 11, 1966 as observed in the Hα line, 23:22787

MAZZUCCONI, Fabrizio Temporal correlation between flares and surges, 25:24800

MAZZUOLI, G. F. Effects of thyrocalcitonin on bone and renal excretion of ^{45}Ca and ^{85}Sr in the rat, 21:41327

MAZZUR, Scott R. Effect of interferon on formation of antibody in mouse spleen cells. I, 21:34569
Studies on the effect of interferon on the formation of antibody in mouse spleen cells. II, 21:41373

MBIPOM, E. W. Equatorial ionospheric absorption at different longitudes, 25:35970
Solar-cycle constant for equatorial ionospheric absorption, 25:49811

MCADAM, G. D. Influence of carbide and boride additions on the creep strength of niobium alloys, 22:26049
Mechanical properties of cermets with a metallic matrix, 22:7060

MCADAM, W. B. Double sources resolved at 408 MHz, 24:27976
Emission from Saturn at 408 MHz, 24:25948
Extent of the emission region on Jupiter at 408 Mc/s, 21:3753
Extragalactic radio sources with extended structure, 24:51326

MCADAMS, H. H. Dynamic nuclear polarization of liquid ^{3}He by optical pumping, 22:31757
Dynamic polarization of liquid ^{3}He, 21:21605
New liquid ^{4}He experimental cryostat, 22:9241

MCADAMS, H. Val Jr. Electromagnetic field penetration of wire screens, 24:31196 (SC-CR-69-3309)

MCADAMS, Mary Jane Gas-phase acidities of alcohols, 25:41871

MCADOO, D. J. Enolic $C_3H_6O^{+}$ ion formed from aliphatic ketones, 25:51458
Ketonization of gaseous enol ions, 25:108
Volatile compounds induced by irradiation in basic food substances, 22:8673

MCADOO, J. D. Emergency core cooling, 22:32861
Reactor safety analysis, 21:30178 (WCAP-3269-60)

MCADOO, Stewart F. Jr. Application of nuclear solid-core rockets to interplanetary orbital launch by multiorbit injection, 24:31121
Earth departure technique for use in manned interplanetary missions using NERVA engine, 25:28788

MCAFEE, D. D. Metallographic preparation of irradiated Zr—10 w/o U hydride, 21:10218 (RFP-658, pp 43-9)

MCAFEE, Elwin Ray Crystal structure of quinolinium nonabromoantimonate(V), (C$_9$H$_7$NH)$_2$Sb/sup V/Br$_9$, 25:23441 (IS-T-439)

MCAFEE, J. G. ^{157}Dy-HEDTA for skeletal imaging, 25:52138
New complex of /sup 99m/Tc for skeletal imaging, 25:37709
Preparation, distribution, and utilization of /sup 99m/Tc—S colloid, 21:20304
Radioisotope generator of /sup 113m/In, 21:19683
Rare earth nuclides as potential agents for skeletal imaging, 24:14536

MCAFEE, J. R. Electron temperature from topside plasma resonance observations, 25:7284
Interpretation of topside resonances as oblique echoes, 25:17009
Ray trajectories in an anisotropic plasma near plasma resonance, 22:47966
Topside plasma frequency resonance below the cyclotron frequency, 24:45101
Topside ray trajectories near the upper hybrid resonance, 24:6424
Topside resonances as oblique echoes, 23:12681
Topside-sounder resonances, 23:44308

MCAFEE, John G. Comparison of /sup 113m/In and other short-lived agents for cerebral scanning, 24:14541
Local radiation damage to bone and marrow, 23:33885

Longitudinal tomographic radioisotopic imaging with a scintillation cameras, 24:12156
Problems in evaluating the radiation dose for radionuclides excreted by the kidneys, 24:50887 (CONF-691212-, pp 271-94)
Radioactive agents for delineation of body organs by external imaging devices, 21:6558
Radioisotopic methods in diagnosis of renal vascular disease, 22:19381
Radiopharmaceuticals, 23:50726
MCAFEE, K. B. Low-field drift velocities and reactions of nitrogen ions in nitrogen, 22:5077
MCAFEE, W. J. Analysis of axisymmetric epoxy model of prestressed concrete reactor vessel, 23:17283 (ORNL-TM-2444)
MCAFFER, N. T. C. Computer instrumentation of the prototype fast reactor, 23:40341
Control and instrumentation of the PFR, 22:18507
Information gathering, presentation and use in prototype nuclear plant, 21:17528
MCALDUFF, Harold J. Withdrawal and packaging of enriched UF_6 for transport, 22:282 (CONF-661011, pp 120-31)
MCALDUFF, Joseph Edward Reactions of Hg (6^3P_0) atoms in the presence of N, 22:11230
MCALEES, S. Jr. Effects of the reentry environment on radioisotope heat sources, 22:42976 (SC-DC-68-2161)
Effects of the reentry environment on radioisotope heat sources, 24:22893
Intact reentry of radioisotope heat sources, 24:31623
MCALISTER, Joan Radioactive isotopes in clinical medicine. I, 21:39461
MCALISTER, Joan M. Assessment of tri-iodothyronine uptake test, 24:29649
MCALISTER, W. B. Oceanography and marine ecology in vicinity of Amchitka Island, 23:13598 (BMI-171-112)
MCALISTER, W. Bruce Oceanography in the vicinity of Amchitka Island, Alaska, 25:48675
MCALLISTER, J. D. Possible utilization of the Carnegie-Mellon synchrocyclotron for cancer therapy, 25:19087
MCALLISTER, John D. Application of anger gamma camera to diseases of thyroid, 21:43476
Potential resolution of the scintillation camera in thyroid studies, 22:12887
MCALLISTER, R. G. Economics of surface contamination, 22:23556
MCALLISTER, Robert M. Uv inactivation of human adenovirus type 1, 23:29909
MCALONIE, George Edward Gas-phase gamma radiolysis of monomethylamine and deuterated monomethylamines, 21:8390
MCALPINE, I. Radiolysis of liquid trifluoroiodomethane, 24:20811
Radiolysis of trifluoroidomethane in the gas phase, 24:234
Radiolysis of trifluoroiodomethane in presence of nitric oxide, 24:16609
MCANALLY, James Larry Bethe—Tait accidents in weakly coupled reactor systems, 23:28535
MCANDLESS, J. M. Deuterium exchange of C-methyl protons in lumazine derivatives, 25:12982
MCANDREW, J. B. Comparison of three alloys for cluster support application in NERVA reactors, 24:29946 (WANL-TME-1995)
MCANDREW, J. D. Muonic x rays in ^{206}Pb and possible observation of nuclear polarization, 23:15467
Precise measurement of muonic x rays in the Pb isotopes, 24:15923
MCANDREW, Robert G. Application of neutron activation analysis to the sweat test diagnosis of cystic fibrosis, 24:11467
MCARDLE, K. T. Velocity dependence of relative total cross section for He + He from 2070 to 2750 m/sec, 25:4965
MCARTHUR, D. E. Electron-scattering facility at the Saskatchewan Accelerator Lab, 22:3574
MCARTHUR, David Alexander Nuclear double resonance dynamics, 21:46686 (UCRL-17468)
MCARTHUR, Donald Eugene Variational solutions satisfying hypervirial theorems in fixed-source boson theories, 22:24645
MCARTHUR, K. Colorimetric determination of boron in carbon and stainless steels, 22:30460
MCARTHUR, N. Multistage flash evaporators today, 21:24148
MCARTHUR, W. A. Thermoelectric generator performance evaluation and design description, 23:17692 (MMM-3691-34)
MCARTHY, A. E. EBR-II shield design and performance, 23:13481 (AERE-R-5773(Vol.5), pp 1373-99)
MCARTHY, Andrew Shielding study for the Univ. of Chicago experiment in Pioneer F/G, 25:40740
MCASHAN, M. S. Heat transport and refrigeration for superconducting linear accelerators, 22:46668
Low temperature aspects of a cryogenic accelerator, 21:38038
Report on the performance of the superconducting injector for the Stanford Linear Accelerator, 23:28185
MCASHAN, Michael Sanford Mechanical study of the forces on moving intermediate-state regions in a type I superconductor, 21:9503
MCASSEY, E. V. Jr. Electron heat transfer in a quiescent nonequilibrium plasma, 24:46425
MCASSEY, Edward Vincent Jr. Electron heat transfer in a weakly ionized plasma, 23:23092
MCATEE, R. E. Burnup determination of nuclear fuels, 24:2101 (IN-1316, pp 76-84)
Prog. rpt. on burnup determination of nuclear fuels, final, 4/1—6/30/68, 23:23910 (IN-1277)
MCAULAY, I. R. Cosmic ray flashes in the eye, 25:49314
Rotating disc spectrometer for observation of Moessbauer effect, 22:43081
MCBEAN, James B. Cancer of the base of the tongue, 23:12160
MCBEE, W. D. Anomalous plasma transport, equilibrium plasma density, and low-frequency oscillations in Q-device, 22:3080
Particle losses in a simulated fusion plasma, 21:29194
MCBEE, Warren D. Velocity-space instabilities in simulated fusion plasma and laser generation of plasma, 23:18673 (AD-673512)
MCBETH, G. W. Pulse shape discrimination in inorganic and organic scintillators. I, 25:48927
Simple zero crossing pulse shape discrimination system, 25:32255
MCBETH, R. L. Electronic spectra of lanthanide compounds in the vapor phase, 22:30530
Uranium tetrachloride—aluminium trichloride vapor complex, 22:30558
Vapor complexes of uranium pentachloride and uranium tetrachloride with aluminum chloride, 24:5651
MCBREEN, B. Absorption of high energy gamma rays in vicinity of pulsar NP0532, 24:6314
Correlation between optical and radio emission from extensive air showers, 21:5092
Pulsed gamma rays from the Crab Nebula, 24:37066
Radio pulses from extensive air showers, 21:9356
Search for high-energy gamma rays from CP 1133, 23:5137
MCBRIDE, A. C. Gamma discrimination and sensitivities of averaging and RMS type detector circuits for Campbelling channels, 22:28084
MCBRIDE, Bonnie J. FORTRAN IV program for calculation of thermodynamic data, 21:37096 (NASA-TN-D-4097)
MCBRIDE, D. D. Some observations on the influence of graphite microstructure on ablation performance, 24:11389 (SC-DC-69-1976)
MCBRIDE, J. A. Regulatory controls on radioactive effluents, 24:22975
Remarks at Richland symposium on waste treatment and disposal, 21:10571 (CONF-660208-, pp 89-93)
MCBRIDE, J. B. Influence of Coulomb collisions on electrostatic waves in ionosphere, 24:23869
Low-frequency surface waves on a warm plasma, 25:1256
Nonlinear development of the beam—cyclotron instability, 25:45500
Surface waves on a plasma half-space, 24:35509
Theory of the beam cyclotron instability in plasmas, 25:36167
MCBRIDE, J. D. Control design for plutonium counting systems, 25:32164 (CONF-700541-, pp 71-84)
MCBRIDE, J. P. Laboratory studies of sol—gel processes, 21:43652 (ORNL-TM-1980)
Preparation of concentrated urania sols, 23:35275
Process control in urania preparation by the sol-gel process, 24:29238 (CONF-700502-, pp 113-22)
MCBRIDE, J. R. FFTF modified fermi control rod drive mechanism conceptual design study, 24:26801 (BNWL-970)
Modified Fermi control rod latch for FFTF, 24:26805 (BNWL-1335)
Normal run and the accident case for a nuclear rocket engine, 25:31642
MCBRIDE, John B. Collisional damping of plasma oscillations, 23:23212
Collisional damping of transverse waves in a plasma, 23:23213
Collisional damping of waves in a slightly relativistic plasma, 23:30595
Magnetic field corrections to the plasma bremsstrahlung spectrum, 24:3358
Parametric excitation of purely growing modes in magnetoplasmas, 24:51751
Plasma heating due to the beam cyclotron instability, 25:45445 (AD-720675)
Relativistic correction to bremsstrahlung from a plasma, 23:30554
Relativistic corrections to the conductivity of a collisional plasma in a magnetic field, 23:14805
MCBRIDE, John Barton Collisional damping of waves in plasmas, 23:42357
MCBRIDE, John P. Method for preparing uranium-containing aquasols employing a platinum oxide catalyst, 25:37401
Urania sol forming in presence of formic acid and palladium-on-thoria catalyst, 22:10201
MCBRIDE, John R. Offsite radiological surveillance for Project Gasbuggy, 24:31893
Public Health Service Safety Program, 24:23145 (SWRHL-82, pp 478-86)
MCBRIDE, William J. Maximum likelihood estimates of half-life, 23:19360
MCBROOM, R. Experiments with megagauss targets at SLAC, 25:50475
MCBRYDE, F. Webster Human ecology of northwestern Colombia, 23:50406
MCBRYDE, W. T. Improved apparatus for the electrodeposition of uranium from urine, 22:10638 (Y-1599)
MCCAA, W. D. Jr. Frequency and time domain analysis of superconductive coaxial line using the BCS theory, 23:29277
Frequency and time-domain analysis of a superconductive coaxial line using the two-fluid model, 22:29397
Measured time and frequency response of a miniature superconducting coaxial line, 24:43929 (UCRL-72574)
MCCAA, William Donald Jr. Frequency and time-domain analysis of superconductive coaxial lines, 24:19852
MCCABE, Barry Behavior of marrow stem cells in irradiated and non-irradiated mice, 24:9784
MCCABE, E. A. Jr. Fuel assembly for a nuclear reactor, 23:17293
MCCABE, James A. Radioisotope subliming solid propulsion system, 22:37947
MCCABE, Kerry K. Omega phase transformation in Ti—V alloys, 25:49453 (AD-717353)
MCCABE, M. K. Optical observations of the proton flare of July 7, 1966, 23:22795
MCCABE, Marie Sudden disappearance of a large quiescent prominence on the solar disk, April 28, 1967, 24:28027
MCCABE, Marie K. Hα coronagraph observations of flare spray, March 1, 1969, 25:889
Mass motions in a flare spray, 25:58608
MCCABE, Philip J. Extended testing of the methane ionization detector, 23:29245
MCCABE, W. J. Isotope dilution for weighing mercury in electrolytic chlorine cells, 23:17340
MCCABRIA, J. L. Electrical component technology for 0.25 to 10.0 megawatt space power systems: experimental verification, 22:25575 (SAN-679-7)
MCCABRIA, Jack L. Inductor alternator rotor for space application, 22:37903 (CONF-680802-3)
MCCAIN, W. S. Creep and creep fracture of Ni—20Cr—$2ThO_2$ alloy, 22:11054
MCCAIN, William S. Mechanical and physical properties of Invar and Invar-type alloys, 25:645 (AD-474255)
MCCALL, D. Precordial-counting evaluation of ^{131}I and /sup 99m/Tc, 23:43820
MCCALL, D. M. Conference on low-temperature physics, St. Andrews, Scotland, 8/68. II, 25:45387
Conference on low-temperature physics, St. Andrews, Scotland, 8/68. I, 25:45386
MCCALL, Gene H. Discharge nuclear polarization in ^{3}He gas, 21:37106
MCCALL, Gene Heath Discharge polarization of ^{3}He gas, 22:50175
MCCALL, J. L. Chemical vapor deposition of Ch on ThO_2, 23:20468 (N-68-34022)
Quantitative metallography of dispersion-strengthened alloys from extraction replicas, 23:30090
MCCALL, J. M. Isotope effects of tertiary amines, 24:7436
MCCALL, J. R. Conversational fourier analysis, 22:22918 (UCID-15264)
Geographically smoothed geomagnetic cutoffs. IV, 23:48764
MCCALL, Mary S. Bacteria as specific binding agents for an isotopic assay of serum folate, 25:8809
Chewing tobacco and radioiodine, 21:36674
MCCALL, R. C. Angular distribution of thick target bremsstrahlung, 24:45646 (CONF-691101-, pp 684-91)
Beam safety considerations at the stanford linear accelerator center, 24:45648 (CONF-691101-, pp 782-808)
Beam-safety considerations at the Stanford Linear Accelerator Center, 25:7788
Improved TDL reader, 24:25307 (SLAC-PUB-731)
Light source for testing thermoluminescent dosimeter readers, 23:26594
Radioactivity produced and released from water at high energies, 24:45630 (CONF-691101-, pp 99-110)
Use of thermoluminescent dosimeters in high energy health physics, 23:2665 (SLAC-PUB-500)
MCCALL, Richard C. Lithium fluoride—Teflon thermoluminescence dosimeters, 21:26229 (CONF-650637-, pp 308-16)
Method for reading a thermoluminescent dosimeter, 25:57832
Method of measuring emission spectra from thermoluminescent materials, 23:14048
Phosphor-polytetrafluoroethylene thermoluminescent dosimeter, 23:47854
MCCALL, Robert T. Metastable F aggregate color centers in irradiated KCl, 21:11706
MCCALLA, D. R. Properties of Euglena mutant resistant to N-methyl-N'-nitro-N-nitrosoguanidine, 21:34834
MCCALLEY, Robert B. Jr. Mass matrix for a prismatic beam segment, 22:25625 (KAPL-M-6913)
Shock analysis by matrix methods and numerical shock example, 21:34188 (KAPL-P-3343)
MCCALLEY, Roderick C. CO bond scission in radiolysis of crystalline carboxylic acids, 25:159
Discovery of a sigma radical in x-irradiated malonic acid, 24:18996
Electron-nuclear double-resonance-enhanced deuteron magnetic resonance, 24:32939
MCCALLIEN, C. W. J. Data requirements of triangular mesh neutron codes TRIFID and RAVEN, 21:35589 (TRG-Report-1374)
SNAP: two dimensional neutron diffusion code, 25:9947 (TRG-Report-1990)
SQUIFID: square-mesh few-group reactor diffusion code, 23:31234 (TRG-Report-1761)
MCCALL III, Tristram Bethea Plasma diagnostics and electrode material release in high voltage vacuum breakdown, 23:32357
MCCALLUM, G. J. Decay of 3.696 MeV level in ^{25}Al, 25:31266
Determination of trace elements by activation analysis, 24:16457
New isotope ^{68}As, 23:5839
Nuclear lifetime effects on gamma-ray angular distributions from gas targets, 21:9953
Properties of some ^{25}Mg energy levels, 21:33903 (NP-16747)
Properties of some ^{25}Mg energy levels, 21:38280
Properties of some excited states of ^{25}Mg, 22:26936
Reaction $^{46}Ti(p,\gamma)^{47}V$, 25:17845
Value of a low-energy accelerator in advancing nuclear technology in developing countries, 25:53401 (A/CONF.49/P-1)
MCCALLUM, G. L. Detectors sensitive to gamma ray polarization, 22:8356
MCCALLUM, K. J. Gamma radiolysis of crystalline urea, 24:9378
Radiation decomposition of solid chlorates, 22:10278
Radiolysis of aqueous 2,2,2-tribromoethanol solutions, 24:50420
Radiolysis of aqueous chloroform solutions, 24:13951
MCCALLUM, R. E. Detection of shifts in the values of saturated standard cells used as references, 22:6225 (SC-TM-67-765)
MCCALLUM, Theresa P. Radio-ligand binding assay for plasma estradiol, 23:38396
MCCALVEY, L. F. Creep strain gauge for in-pile measurements on reactor pressure tubes, 22:28229

- MCCAMMON, C. P. Evaluation of radiation dose to man from radionuclides released to the Clinch River, 21:16307
- MCCAMMON, D. Infrared coronal lines. II, 21:46066
  - Infrared spectra of low-temperature stars, 21:16769
  - Low-energy diffuse x rays, 25:40322
  - Search for absorption of soft x-ray diffuse flux by the Small Magellanic Cloud, 25:47318
  - Soft x-ray background flux, 23:51329
- MCCAMMON, James R. Application of an indirect paired radio-iodine-labeled antibody technique to adenovirus-12 tumor serology, 25:57912
- MCCAMONT, J. W. Electrical properties of Ti, Zr, and Hf films, 23:33965
- MCCANDLESS, L. C. Commercial chemical vapor deposition of refractory materials, 22:7046
- MCCANDLESS, Richard L. Effects of uv on eye of fish, 23:43873
- MCCANN, D. G. TAMVEC mode selection system, 25:50467
- MCCANN, John David Electron irradiation machine, 23:6255
  - Improvements in cathodes, 25:3523
  - Improvements in electron irradiation apparatus, 24:44169
  - Improvements in irradiation machines, 23:11695
  - Improvements in irradiation machines, 24:44176
  - Improvements in or relating to protecting securities against forgery, 24:36294
  - Improvements in particle accelerators, 24:6778
- MCCANN, M. F. Detection of 1-keV events in NaI(Tl), 23:2562
  - Direct measurement of K electron capture to positron emission ratio in decay of ^{22}Na, 23:30983
  - Electron capture decay of ^{40}K, 21:27549
  - L/K electron capture ratio in decay of ^{65}Zn to 1.114-MeV excited state of ^{65}Cu, 23:5848
- MCCANN, R. B. Improved circuit models for inductors wound on ferrite cores, 24:13719 (UCRL-71983)
- MCCANN, S. M. Mono- and indolamines and control of LH secretion, 24:34145
- MCCANN, T. E. Radial pressure profile in an MPD hydrogen arc. I, 25:3104
  - Radial pressure profile in an MPD hydrogen arc. II, 25:3105
- MCCANNON, D. Calibration of film dosimeters with beta particles of different energies, 23:43609
  - Gamma disintegration yield in decay of ^{147}Pm, 25:34122
  - Gradation of dosimetric film for beta particles of various maximum energies, 24:41890
- MCCANTS, Michael M. Angular diameter of lambda Aquarii, 24:35025
- MCCARDELL, R. K. Comparison of CHIC-KIN and PARET calculations with reactivity accident test results for the oxide-fueled SPERT-III reactor, 23:4281
  - Reactivity accident investigations with a pressurized-water reactor core in the SPERT-III facility, 22:33030
  - Reactivity accident test results and anlyses for SPERT III E-core, 23:21516 (IDO-17281)
- MCCARDLE, Robert J. Antibodies (^{131}I-labeled) to human fibrinogen, 21:26482
  - Studies with ^{131}I-labeled antibody to human fibrinogen for diagnosis and therapy of tumors, 21:14698
- MCCARROLL, B. Interaction of atomic hydrogen and nitrogen with graphite surface, 24:19479
- MCCARROLL, Bruce Chemisorption and oxidation: oxygen on tungsten, 21:13114
  - Chemisorption and oxidation: oxygen on tungsten, 21:41574 (66-C-314)
  - Reactivity of graphite surfaces with atoms and molecules of H, O, and N, 25:49498
- MCCARROLL, J. J. Suppression of interference pulses in radiation experiments, 21:41215
- MCCARROLL, R. Differential cross sections in low-energy proton—hydrogen collisions, 25:1004
  - Differential cross sections in proton—hydrogen collisions, 24:17672
  - Enhancement of the stimulated emission of radio-frequency lines of hydrogen, 22:29132
  - Exchange excitation of 2s state of hydrogen in close collisions with protons, 25:9201
  - High-energy behavior of the cross section for charge exchange, 21:11407
  - Impact parameter treatment of atomic collisions, 22:21852
  - Partial maser action in radio frequency lines of hydrogen, 21:34990
  - Rotational coupling effects on differential elastic and inelastic cross sections in He$^+$—He collisions, 25:55848
  - Theory of charge transfer in high energy collisions, 21:42300
- MCCARRON, J. D. Solar plasma measurements, 21:6903 (AD-637998)
- MCCART, B. R. Effect of electric-field inhomogeneity on quadrupolar satellite intensities in NMR, 22:17810
  - Nuclear quadrupole coupling, Knight shift, and spin—lattice relaxation time in Be, 21:29357
- MCCARTAN, J. Diffusion and stability of high-β plasma, 23:32461
  - Formation of an axisymmetric bulged region in a long uniform plasma column, 25:19709
- MCCARTEN, J. G. Nuclear magnetic resonance in a rotating magnetic field, 22:22250
- MCCARTER, E. R. Experiments on generation—recombination noise in germanium single crystals irradiated with fast neutrons and gammas, 23:22148
- MCCARTER, Ed Raymond Noise studies in Ge single crystals, 22:46200
- MCCARTER, J. A. Effect of polyinosinic-polycytidylic acid on induction of primary or transplanted tumors by chemical carcinogen or irradiation, 25:39932
- MCCARTER, R. Remote maintenance systems in the TRU, 21:6109
- MCCARTHY, A. L. Hindered E1 transitions in ^{159}Dy, ^{169}Tm, ^{175}Lu, ^{177}Lu, and ^{180}W, 22:1676
- MCCARTHY, Brian J. Introduction of radioisotopes into RNA by methylation in vitro, 22:461
- MCCARTHY, C. F. Comparison of /sup 99m/Tc scintigraphy with ultrasonic scanning in the detection of liver disease, 23:48147
  - Isotope technique for measuring lactose absorption, 24:19333
- MCCARTHY, Charlotte Inactivation of transforming DNA by tritium disintegrations in vivo, 22:47463
- MCCARTHY, D. Use of radioactive Xe in evaluation of pulmonary functions, 25:35170
- MCCARTHY, Eugene D. Analytical results in organic geochemistry, 21:3175 (UCRL-16806, pp 53)
- MCCARTHY, Eugene Desmond Treatise in organic geochemistry, 21:45000 (UCRL-17758)
- MCCARTHY, G. J. Prog. rpt. on crystal chemistry studies, 8—11/66, 21:17552 (ECOM-01304-6)
  - Prog. rpt. on crystal chemistry, 5/14—8/13/66, 21:19585 (AD-640952)
- MCCARTHY, Gregory J. Crystal chemistry and phase equilibria in the system Eu—Ti—O, 22:23896 (CONF-670502-, pp 194-9)
  - Divalent europium compounds in the systems Eu—Mo—O and Eu—W—O, 25:16603
  - Problem of stability of Eu^{2+}-transition metal oxides as illustrated by system Eu—Fe—O, 25:52455 (CONF-711001-(Vol.2), pp 764-74)
  - Studies of the divalent oxides of the rare earths, 25:744 (CONF-700403-(Vol.1), pp 366-74)
- MCCARTHY, Gregory Joseph Studies of the divalent rare earth oxides, 24:46800
- MCCARTHY, H. S. Charge distribution of the even Nd isotopes, 25:17854 (AD-712082)
- MCCARTHY, I. E. Antisymmetrized distorted-wave approximation for nucleon—nucleus scattering, 21:12102
  - BHMM stripping analysis, 23:9059
  - Core excitation in (d,p) stripping, 23:19211
  - Core excitation in a stripping reaction, 24:43467
  - Deuteron stripping on a realistic nucleus, 21:31876
  - Distorted wave theory of the 50 MeV (p,2p) reaction, 23:52179
  - Distorted-wave t-matrix approximation for single-particle reactions, 22:20723
  - Introduction to nuclear theory, 22:48590
  - Non-local potentials and the single-particle shell model, 25:31447
  - Nonlocal model t-matrix in a quasi-three-body reaction, 22:27243
  - Nuclear reactions, 24:28846
  - Reaction ^{12}C(p,2p)^{11}B at 50 MeV, 21:23438
- MCCARTHY, J. Interaction of fast neutrons with oriented ^{165}Ho, 21:31816
  - Stabilities of the lower oxides of the rare earths, 25:6902
- MCCARTHY, J. D. ATMX railcar: nuclear safety evaluation, 25:48859 (CONF-710801-(Vol.2), pp 822-32)
  - Conductive coating for ceramic beam tubes, 25:50542
- MCCARTHY, J. F. Compilation of current technical experience at Enrico Fermi Atomic Power Plant, 22:1751 (APDA-CFE-13)
  - Current technical experience at Enrico Fermi Atomic Power Plant, 21:38437 (APDA-CFE-10)
  - DYNO-1: program to compute distribution of secondary electrons in photomultipliers, 21:4727 (KAPL-M-6575)
  - Prog. rpt. on current experience at Enrico Fermi Atomic Power Plant, 4/67, 21:34077 (APDA-CFE-9)
  - Prog. rpt. on current technical experience at Enrico Fermi Atomic Power Plant, 8/66, 21:17434 (APDA-CFE-1)
  - Prog. rpt. on current technical experience at Enrico Fermi Atomic Power Plant, 11/66, 21:30095 (APDA-CFE-4)
  - Prog. rpt. on current technical experience at Enrico Fermi Atomic Power Plant, 10/66, 21:30094 (APDA-CFE-3)
  - Prog. rpt. on current technical experience at Enrico Fermi Atomic Power Plant, 12/66, 21:30096 (APDA-CFE-5)
  - Prog. rpt. on current technical experience at Enrico Fermi Atomic Power Plant, 1/67, 21:30097 (APDA-CFE-6)
  - Prog. rpt. on current technical experience at Enrico Fermi Atomic Power Plant, 2/67, 21:30098 (APDA-CFE-7)
  - Prog. rpt. on reactor operation, 9/67, 22:7789 (APDA-CFE-14)
- MCCARTHY, J. S. Charge distribution of even Nd isotopes, 25:25741
  - Deformation effect in neutron total cross section of ^{59}Co, 25:53709
  - Elastic electron scattering by ^{208}Pb and nuclear charge distribution, 24:13391
  - Elastic electron scattering from ^{12}C and ^{16}O, 25:7805 (AD-707047)
  - Elastic electron scattering from ^{13}C, 25:12376 (AD-710383)
  - Elastic electron scattering from ^{13}C, 25:17770
  - Elastic electron scattering from isotones ^{40}Ca and ^{39}K, 25:48047
  - Electromagnetic structure of ^{3}He nucleus, 25:9965 (AD-710384)
  - Electromagnetic structure of the ^{3}He nucleus, 25:5535
  - Electron scattering from ^{12}C and ^{16}O, 25:3587
  - Electron scattering from aligned and nonaligned ^{165}Ho, 25:25734
  - Electron scattering studies of calcium and titanium isotopes, 22:53152
  - Electron scattering studies of calcium and titanium isotopes, 23:23645 (AD-675038)
  - Experimental observation of a "spin—spin effect" in the neutron total cross section of ^{59}Co, 24:40578
  - Fine structure in nuclear charge distribution, 24:52494
  - Inelastic electron scattering from ^{4}He, 22:20436
  - Inelastic electron scattering from several Ca, Ti, and Fe isotopes, 25:36695
  - Inversion in the deformation effect for neutron transmission through oriented ^{165}Ho, 22:18243
  - Nuclear charge distributions from electron scattering: barium and neodymium, 25:59793
  - Polarized ^{59}Co target, 24:26558
  - Polarized ^{59}Co target using ^{3}He—^{4}He dilution refrigerator, 24:37977 (AD-703241)
  - Prog. rpt. on experiments on nuclear interactions of pions, 5/71, 25:38863 (ORO-4043-2)
  - Scattering of 750-MeV electrons by Ca isotopes, 21:38263
  - Scattering of fast electrons by oriented ^{165}Ho nuclei, 21:23485
  - Search for excited states of ^{3}He, 21:9925
  - Spin—spin effect in ^{165}Ho total neutron cross section at 0.4 and 1.0 MeV, 23:32935
  - Structure of ^{4}He nucleus from elastic electron scattering, 21:40371
- MCCARTHY, J. T. Stilbene fast neutron spectrometer for study of neutron spectrum of a Pu—Be source, 21:24225
  - Weak alpha and electron-capture decay in ^{208}Po and ^{209}Po, 21:5534 (MLM-1251)
- MCCARTHY, James Sidney Elastic electron scattering from oriented ^{165}Ho nuclei, 23:23740
- MCCARTHY, John D. Fiberboard-insulated containers for shipping fissile materials, 23:577 (CONF-681001-, pp 410-25)
- MCCARTHY, Joseph G. Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. I, 24:14409
  - Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. II, 24:14410
- MCCARTHY, K. A. Colloidal centers in irradiated sodium chloride crystals, 25:45549
  - Resonant phonon scattering in colored sodium chloride crystals, 22:7390
- MCCARTHY, M. F. Image tube spectra of late-type stars, 22:23979
  - Luminosity criteria for faint late-type stars, 22:23980
- MCCARTHY, Matthew F. Discontinuities in relativistic gas dynamics, 23:42521
- MCCARTHY, P. B. Design and performance of ZPPR, 24:26811
- MCCARTHY, Peter James Improvements in and relating to sealing packs of sheets, 22:37592
- MCCARTHY, R. Search for T = 1 bosons near 1 GeV in the reaction pp → d + MM, 24:40283
- MCCARTHY, R. J. Binding energy of ^{16}O with a velocity-dependent nucleon potential, 22:20487
  - Brueckner—Hartree—Fock calculations of spherical nuclei in harmonic-oscillator basis. III, 25:45971
  - Calculation of ^{16}O binding energy, 21:31711
  - Calculation of ^{16}O binding energy. II, 22:5768
  - Nuclear matter calculations using separable potentials, 22:3794
  - Reaction matrix calculations in finite nuclei, 23:37323
  - Self-consistent occupation probabilities in Brueckner—Hartree—Fock calculations, 24:38351
  - Self-consistent particle energies and three-body clusters in nuclear matter calculations, 24:43528
  - Shell-model calculation with reaction matrix elements, 23:37110
  - Simple and exact method for calculating nuclear reaction matrix, 25:34177
  - Solving the Bethe—Goldstone equation, 24:52720
  - Three-body correlations in reaction-matrix calculations, 22:9972
- MCCARTHY, R. L. On-line scintillation counter control system, 25:51896 (UCRL-20636)
  - On-line wire spark chamber system used as a mass spectrometer, 23:7795
- MCCARTHY, S. L. Heat capacity and ac susceptibility of V$_3$Si, 25:36022
  - New compound in the zirconium—osmium alloy system, 25:17319
  - Sensitivity of transition temperature to residual stress in high-T/sub c/ compounds, 25:43302
  - Superconducting behavior of system Pb(Nb/sub 1-x/Ta/sub x/)S$_2$, 25:1106
  - Superconductivity and magnetic susceptibility of some zirconium—transition-metal compounds; evidence for an anticorrelation, 25:40546
- MCCARTHY, Shaun Leaf Superconductivity of zirconium—transition metal coumpounds, 25:27654
- MCCARTHY, W. J. Electron spin resonance for determinations of Gd, Cr, Fe, Cu, and Mn, 24:6
  - Physics measurement programs in US fast power reactors, 21:27767
  - Recent operating experience at Enrico Fermi Atomic Power Plant, 22:18521
- MCCARTHY, W. J. Jr. Fuel melting incident at the Enrico Fermi Atomic Power Plant, 22:16183
  - Safety considerations in Enrico Fermi reactor design, 22:46963
- MCCARTHY, Walter J. Jr. Fermi reactor fuel damage incident, 22:53369
  - Review of Fermi reactor fuel damage incident and preliminary assessment of significance to design and operation of sodium cooled fast reactors, 22:30205
  - Safety considerations for fast breeder reactors, 24:18693
- MCCARTNEY, Alan J. Biological effects of lasers, 21:11072
  - Ruby laser effects on the monkey eye, 21:22683
- MCCARTNEY, E. R. Materials for high temperature applications, 25:29860
- MCCARTOR, G. D. Calculation of ionization amplitudes by the complex-energy method, 25:43145
  - Extension of the contour-distortion method in relativistic three-particle scattering, 22:44516
- MCCARTOR, Gary s-wave elastic positron—hydrogen scattering in the ionization region, 25:38149
- MCCARTOR, Gary Don Topics in scattering theory, 25:5430

MCCARTY, Daniel J. /sup 99m/Tc scintiphotography in arthritis. I. Technic and interpretation, 24:32076
MCCARTY, Daniel J. Jr. Comparative study of roentgenographic techniques for detection of Ca pyrophosphate dihydrate deposits (pseudogout) in human cartilage, 21:32722
MCCARTY, F. B. 587-KVA 24,000-rpm alternator, 21:1668 (AD-629562)
MCCARTY, L. H. Prog. rpt. on 250-watt radioisotope thermoelectric power system, final, 6—12/66, 21:19809 (GEMS-2048-1(Vol.3))
MCCARTY, Lewis V. Preparation of high-purity Nb by thermal decomposition of $NbCl_5$, 21:28735
MCCASLIN, J. B. Monitoring of positively charged particles in the electron ring accelerator, 25:43734 (UCRL-20664)
MCCASLIN, J. W. Prog. rpt. on health and safety, 1968, 24:2678 (IN-1310)
  Prog. rpt. on health and safety, annual, 1967, 22:51567 (IN-1205)
MCCASLIN, Joseph B. High-sensitivity neutron and proton flux detector, 21:28216 (UCRL-17505)
  Radiation measurements and shielding study of Berkeley 27-inch ^{3}He cyclotron, 24:10872 (UCRL-19374)
MCCAUGHEY, M. P. Coincidence measurements of krypton—krypton collisions, 22:50032
MCCAUGHEY, Michael P. Coincidence measurements of Ne^{+}—Ne collisions, 21:11442
  Q structure and inner-shell vacancies in neon—neon and krypton—krypton collisions, 22:38744
MCCAUGHEY, Michael Paul Coincidence study of krypton ion—atom collisions at kilovolt energies, 24:6372
MCCAULEY, D. G. Ground-state band transitions and 2^{+} states in ^{78} ^{80} ^{82} ^{84}Kr from (α,xnγ), 25:50698
  Optimization technique applied to experiments measuring reaction gamma-ray angular distributions, 25:42223
MCCAULEY, Donald Gordon Nuclear energy levels in ^{74} ^{78} ^{80} ^{82} ^{84}Kr, 25:48043
MCCAULEY, Edward W. Analysis of advanced fast spectrum heat sources for space application, 23:2092 (UCRL-71206)
  Analysis of advanced fast-spectrum heat sources for space application, 23:4392
  Fast reactor design analysis codes, 23:19540 (UCRL-50429)
  Homogeneous moderator detector in pulsed-neutron experiments, 21:8054
  Measurement and analysis of diffusion parameters using the homogeneous moderator-detector, 22:5728
MCCAULEY, Edward Willette Interpretation of the pulsed neutron decay constant in hydrogenous media, 22:39559
MCCAULEY, G. P. Semi-phenomenological calculations with partial-wave dispersion relations, 22:29710
MCCAULEY, J. E. Evaluation of irradiation behavior of Zircaloy-4 clad rod containing low density UO_2 fuel pellets, 22:41133 (WAPD-TM-596)
  Irradiation behavior of Zircaloy-4 clad rod containing ThO_2—5.3 wt. percent UO_2 pellets, 24:12488 (WAPD-TM-664)
  Irradiation performance capabilities of oxide fuel rods, 21:1962 (WAPD-TM-574)
  Irradiation performance of Zy-4 clad test rod containing annular UO_2 fuel pellets, 21:11263 (WAPD-TM-595)
  Irradiation-induced structural changes obtained in ThO_2—UO_2 fuel, 24:33313
MCCAULEY, James E. Prog. rpt. on ecological studies of radioactivity in Columbia River, annual, 7/66—6/67, 21:39373 (RLO-1750-22(Vol.1))
  Prog. rpt. on ecological studies of radioactivity in Columbia River estuary and Pacific Ocean, 7/67—6/68, 23:9906 (RLO-1750-28)
  Prog. rpt. on ecological studies of radioactivity in Columbia River estuary and adjacent Pacific Ocean, annual, 7/68—6/69, 24:14443 (RLO-1750-54)
  Two new gregarine parasites from the spatangoid-urchin Brissaster latifrons, 25:28880 (RLO-1750-59)
MCCAUSLAND, M. A. H. Nuclear magnetic resonance of holmium in a ferromagnetic alloy, 23:5475
MCCAUSLAND, Robert James Improvements in or relating to the curing of surface-coating compositions, 23:264
MCCAVERT, P. Approximation in scattering theory, 25:2895
MCCAWLEY, Frank X. Electrodeposition of molybdenum coatings, 23:33947
  Electrodeposition of titanium diboride coatings, 23:44008
MCCAY, F. L. Survey of Australia's energy demand and resources to year 2000, 25:54014 (A/CONF.49/P-127)
MCCLAIN, E. F. Galactic depolarization of the 21-centimeter-wavelength radiation of extragalactic sources, 21:9282
  Polarization of discrete sources at 21.2 cm wavelength, and galactic depolarization, 23:36331
MCCLAIN, Elizabeth Induced changes in the mitotic activity of hemocytes of the large milkweed bug, Oncopeltus fasciatus, 22:23611
MCCLAIN, I. L. Responses of University of Iowa charged particle detectors on Explorer 14, 21:22129 (N-67-15251)
MCCLAIN, J. Effect of beta forging on several titanium alloys, 22:45768
MCCLAIN, Mary E. Interference induced by ultraviolet-exposed reovirus particles in monolayers of BSC-1 cells, 22:49647
  Multiplicity reactivation of reovirus particles after exposure to ultraviolet light, 21:11152
MCCLAIN, W. C. Analysis of combined effects, 25:32195 (ORNL-4555, pp 291-316)
  Disposal in natural salt formations, 24:39174 (ORNL-4446, pp 12-16)
  Disposal of high activity power reactor wastes in salt mines, 23:17736
  Disposal of high level solidified wastes in salt mines, 21:28184 (ORNL-P-3053)
  Disposal of high-level radioactive wastes in salt mine, 24:14233
  Disposal of radioactive wastes by hydraulic fracturing. V, 23:31512
  Disposal of solidified power reactor wastes in salt mines, 24:5864
  Earthquakes and reactor safety, 24:39092 (ORNL-4446, pp 23-5)
  Earthquakes and reactor safety, 25:18556 (ORNL-4584, pp 41)
  Earthquakes induced by underground fluid injection, 24:48197 (ORNL-TM-3154)
  Engineering development of hydraulic fracturing as a method for permanent disposal of radioactive wastes, 22:48916 (ORNL-4259)
  Examination of high pressure water jets for use in rock tunnel excavation, 24:11380 (ORNL-HUD-1)
  Hydraulic fracturing as a waste disposal method, 21:28185 (ORNL-P-3054)
  Indexed bibliography of literature on seismic considerations in the Siting of Nuclear Facilities-1, 25:39275 (ORNL-NSIC-88)
  Installation of experimental equipment, 25:32190 (ORNL-4555, pp 92-8)
  Mine renovation and preparation of experimental area, 25:32188 (ORNL-4555, pp 59-66)
  Project Salt Vault: a demonstration of the disposal of high-activity solidified wastes in underground salt mines, 25:32182 (ORNL-4555)
  Radioactive wastes in salt mines, 24:2431
  Results and analysis, 25:32193 (ORNL-4555, pp 161-256)
  Results of the operation of Project Salt Vault, 25:51778
  Roof-bolt test and application in supporting a two-foot-thick roof bed, 25:51738
  Salt formations for disposal of highly radioactive wastes, 24:14236
  Salt mine repository for radioactive wastes, 25:26453
  Seismic history and seismicity of southeastern region of United States, 24:36439 (ORNL-4582)
  Seismic mapping of hydraulic fractures, 25:48604 (ORNL-TM-3502)
  Status of solidification and disposal of highly radioactive liquid wastes from nuclear power in the USA, 24:44227 (CONF-700810-44)
  Summary and conclusions, 25:32196 (ORNL-4555, pp 317-56)
MCCLAIN, W. J. Character-display and question-and-answer routines for PDP-8/I, 25:34466 (ORNL-TM-3278)
  Focal programs for models 1 and 3 GeMSAEC, 25:34467 (ORNL-TM-3279)
  Improved medical spectrometer, 24:21008
  Multiple-window spectrometry for ^{67}Ga, 25:23773 (ORNL-TM-3260)
  Overload cancellation circuit for a charge-sensitive preamplifier, 24:4438
  System for recording and displaying radioisotope scan data, 24:16843
  Use of digital computer for processing radioisotope scan data, 24:19196 (CTC-26)
MCCLAIN, William C. Mechanics of hydraulic fractures in shales, 25:51626
MCCLAIN, William James Investigation of the use of a digital computer for processing radioisotope scan data, 25:26834
MCCLAN, R. Trace element interactions between river water and sea water, 25:48373 (CONF-710501-32)
MCCLANAHAN, B. J. Passage time of plutonium oxide in pigs, 22:49536
  Passage time of Pu oxide in pigs, 21:6399 (BNWL-SA-955)
  Treatment of Pu-contaminated wounds, 21:36568 (BNWL-SA-1253)
  Treatment of Pu-contaminated wounds with DTPA, 23:24547
MCCLANAHAN, Beatrice J. Ingestion of plutonium oxide particles by swine, 21:14542 (BNWL-280, pp 40-3)
  Radioselenium studies in sheep, 21:14540 (BNWL-280, pp 31-2)
  Translocation of subcutaneously deposited plutonium, 21:14561 (BNWL-280, pp 83-5)
MCCLANAHAN, E. D. Application of sputtering to the fabrication of neutron detector anodes, 22:2587 (BNWL-553)
MCCLANAHAN, H. H. Practical application of a non-destructive uranium assay device, 25:48788 (CONF-710617-17)
MCCLANAHAN, R. J. Sterilization of onion maggots by ^{137}Cs, 22:4725
MCCLARY, John A. Digital computer simulation of fluid flow and heat transfer in nuclear propulsion reactors, 21:30235 (LA-DC-8174)
MCCLARY, W. K. Self-adjointness of $(g(x)phi^{4})_{2}$ Hamiltonian, 25:47954
MCCLATCHEY, Robert A. Weak-line absorption law in a semi-infinite homogeneous scattering atmosphere, 21:28972
MCCLATCHIE, E. A. Beam analyzing system for a variable energy cyclotron, 23:30904
  Elastic and inelastic scattering of ^{3}He particles from ^{10}B at 32 MeV, 23:1803
  Excitation of single neutron hole states in ^{207}Pb by inelastic proton scattering at 20.2 MeV, 22:50627
  Fragmentation of octupole strength in ^{205}Tl(p,p')^{205}Tl, 24:30853
  Polarization of 30- and 50-MeV protons elastically scattered from deuterons, 22:20445
  Proton particle-hole states in ^{208}Pb, 24:38273
  Reaction (d,^{6}Li) on light nuclei, 25:22981
  Reaction ^{14}N(α,d)^{16}O, 24:52460
  Reactions ^{26}Mg(p,t)^{24}Mg and ^{26}Mg(p,^{3}He)^{24}Na at 50 MeV, 23:13253
  Search for excited states in ^{3}He by the ^{3}e(p,p')^{3}He* reaction, 22:15943
  Single-particle proton admixtures in core-excited states of ^{209}Bi, 25:23036
  Slit scattering effects with medium energy alpha particles and protons, 24:2487
  Y_4 deformation in ^{20}Ne and other s—d shell nuclei, 23:46947
MCCLATCHY, Cherryl Effects of continous ^{90}Sr ingestion by mice, 25:6789 (UCD-472-117, pp 108-11)
MCCLAY, J. F. Resonant modes of a cavity and properties of micropulsations, 25:14117
MCCLAY, John F. Conference on physics of the magnetosphere, Chestnut Hill, Mass., 6/67, 23:44264
  Hydromagnetic propagation in a theta-model geomagnetic tail, 21:43910
MCCLAY, John R. Hydromagnetic toroidal resonance, 21:41904
MCCLELLAN, C. C. Anomalous irradiation performance of centrifugally bonded EBR-II driver fuel, 24:7188
MCCLELLAN, G. High-energy photoproduction of rho° mesons, 23:14951
  High-energy photoproduction of rho° mesons, 23:16925
  Incoherent photoproduction of rho° mesons from complex nuclei, 23:44584
  Photoproduction of phi mesons from carbon at 1800 MeV, 22:26551
  Photoproduction of phi° mesons from hydrogen, deuterium, and complex nuclei, 25:38640
  Photoproduction of phi° mesons from hydrogen and carbon by linearly polarized photons, 25:38639
  Photoproduction of rho mesons, 24:40237
  Photoproduction of rho° mesons from complex nuclei, 23:14952
  Photoproduction of rho—mesons and other pion pairs, 24:8557
  Polarization of high-energy photons using highly oriented graphite, 25:3257
  Search for mesons suggested by Veneziano model, 23:49029
MCCLELLAN, G. C. Performance of EBR-II driver fuel, 23:37531
MCCLELLAN, R. O. Bilateral bronchopulmonary lavage with DTPA solution for removing inhaled $^{144}CeCl_3$, 25:29544 (LF-43, pp 286-94)
  Breeding program for the establishment of a stable gene pool in a beagle dog colony for a long-term experiment, 24:24947 (LF-40)
  Bronchopulmonary lavage for removal of inhaled insoluble materials from the lung, 24:34304
  Comparison of the relative biological effectiveness of ^{241}Am and ^{144}Ce on the production of chromosome aberrations in the Chinese hamster liver, 25:55188
  Cytogenetic effects of ^{144}Ce in hamsters, 24:34626 (LF-41, pp 192-202)
  Cytogenetic effects of ^{90}Sr on bone marrow of Chinese hamster, 22:51519
  Distribution of ^{137}Cs following inhalation, 24:34021 (LF-41, pp 105-10)
  Effect of the inhalation of ^{144}Ce in relatively insoluble forms on influenza virus infection in mice, 25:29724 (LF-43, pp 254-62)
  Effects of solubility on bioassay for radionuclides, 23:24538
  Effects of stable Y on distribution and excretion of inhaled radioyttrium, 24:11926
  Evaluation of longterm effects of exposure to internally deposited radionuclides, 25:37710 (A/CONF.49/P-81)
  Fission Product Inhalation Program. Annual report, October 1, 1969—September 30, 1970, 25:29419 (LF-43)
  Hematopoietic tissue neoplasms in animals administered ^{90}Sr, 21:1714
  In vivo thermoluminescence dosimetry of γ rays from ingested ^{137}Cs in sheep, 21:26237 (CONF-650637-, pp 393-401)
  Influence of chemical state of ^{144}Ce on its metabolism following inhalation by mice, 24:48379
  Metabolism and toxicity of ^{241}Am in hamster, 24:3402/ (LF-41, pp 203-8)
  Miniature swine: development, management, and utilization, 22:45406
  Mortality from inhaled $^{90}SrCl_2$, $^{91}YCl_3$ and $^{144}CeCl_3$ and injected ^{137}CsCl in dogs, 24:34317 (LF-41, pp 59-60)
  Neoplasia induced by ^{90}Sr, 23:38805
  Production of chromosome aberrations by ^{241}Am in the Chinese hamster liver, 25:29482 (LF-43, pp 240-5)
  Prog. rpt. on fission product inhalation, annual, 1966—67, 22:23400 (LF-38)
  Prog. rpt. on fission product inhalation program, annual, 9/67—9/68, 23:31602 (LF-39)
  Prog. rpt. on fission product inhalation program, annual, 9/68—9/69, 24:34567 (LF-41)
  Pulmonary lavage as a therapeutic measure for removing inhaled insoluble materials from the lung, 23:31741
  Pulmonary lavage dogs exposed to ^{144}Ce-labeled aerosol, 24:34302 (LF-41, pp 214-20)
  Relative biological effectiveness of ^{241}Am, ^{144}Ce, and ^{60}Co on the production of metaphase chromosome aberrations in the Chinese hamster liver, 25:29483 (LF-43, pp 246-53)
  Relative hazards for inhaled ^{95}Zr and ^{95}Nb particles formed under various thermal conditions, 25:29423 (LF-43, pp 59-65)
  Relative hazards from ^{95}Zr and ^{95}Nb based upon inhalation of particles formed under various thermal conditions, 25:55125
  Removal of relatively soluble ^{144}Ce from the lungs of beagle dogs: intravenous administration of a DTPA solution, 25:29543 (LF-43, pp 280-5)
  Retention and distribution of ^{137}Cs in the beagle dog following inhalation of ^{137}Cs in fused montmorillonite clay particles, 25:29426 (LF-43, pp 79-81)
  Retention and distribution of ^{244}Cm following inhalation of $^{244}CmCl_3$ and $^{244}CmO_2$, by beagle dogs, 25:29429 (LF-43, pp 100-5)
  Significance of radionuclide contamination in ruminants, 21:28460

Some observations on the toxicity of beta-emitting radionuclides inhaled in fused clay particles, 25:29438 (LF-43, pp 197-204)
Strontium-90 metabolism in miniature swine ingesting ^{90}Sr daily, 21:45567
Tissue distribution and dosimetry of ^{144}Ce in Chinese hamsters, 25:24036
Toxicity of inhaled ^{137}CsCl in beagle dog, 24:34624 (LF-41, pp 36-45)
Toxicity of inhaled ^{144}Ce fused clay in beagle dogs, 24:34623 (LF-41, pp 19-35)
Toxicity of inhaled ^{144}Ce fused clay in beagle dogs. III, 25:29436 (LF-43, pp 183-7)
Toxicity of inhaled ^{144}CeCl$_3$ in beagle dogs, 24:34621 (LF-41, pp 8-14)
Toxicity of inhaled ^{144}CeCl$_3$ in beagle dogs. IV, 25:29431 (LF-43, pp 128-36)
Toxicity of inhaled ^{90}Sr fused clay in beagle dogs. I, 25:29437 (LF-43, pp 188-96)
Toxicity of inhaled ^{90}SrCl$_2$ in beagle dogs, 24:34620 (LF-41, pp 1-7)
Toxicity of inhaled ^{90}SrCl$_2$ in beagle dogs. IV, 25:29430 (LF-43, pp 123-7)
Toxicity of inhaled ^{90}Y fused clay in dogs, 24:34625 (LF-41, pp 46-58)
Toxicity of inhaled ^{90}Y fused clay in beagle dogs. II, 25:29434 (LF-43, pp 146-62)
Toxicity of inhaled ^{91}Y fused clay in beagle dogs. I, 25:29435 (LF-43, pp 163-70)
Toxicity of inhaled ^{91}YCl$_3$ in beagle dogs, 24:34622 (LF-41, pp 15-18)
Toxicity of inhaled ^{91}YCl$_3$ in beagle dogs. IV, 25:29432 (LF-43, pp 137-9)
Toxicity of inhaled β-emitting radionuclides, 25:32529 (CONF-700501-, pp 395-415)
Toxicity of injected ^{137}CsCl in the beagle dog. III, 25:29433 (LF-43, pp 140-5)
MCCLELLAN, Roger O. Chromosome aberrations and other effects produced by ^{90}Sr—^{90}Y in Chinese hamsters, 24:19350
Conference on swine in biomedical research, Pacific Northwest Lab., Richland, Wash., 7/65, 21:1834
MCCLELLAND, J. A. Cabibbo angle and the bootstrap equation, 24:3595
Suppression of strangeness changing weak currents and the bootstrap equation, 23:32679 (COO-1545-56)
MCCLENAHAN, C. R. Electrochemical reduction of europium at a porous carbon cathode with flowing electrolyte, 25:54530 (LA-DC-12469)
MCCLENDON, L. T. Extraction studies of group IIIB—VIIB elements, 23:49900
Radiochemical separations for activation analysis using D2EHPA, 24:33
Radioisotope dilution analysis of W in Mo, 23:43264
The application of substoichiometric radioisotopic dilution principles to controlled-potential coulometry and solvent extraction, 21:38893
MCCLENNY, W. A. Injection of intense, large-diameter ion beams into low-density gases, 21:3653
MCCLIMENT, E. R. Charge asymmetry in K/sub L/ $\rightarrow \pi^+\pi^-\pi^0$, 23:44636
Current algebra and broken-symmetric relations between axial vector coupling constants, 21:21275
Neutron electric-dipole moment, 24:43001
MCCLIN, M. L. Hot-atom synthesis of phenylmercuric compounds, 22:2109
Prog. rpt. on hot atom chemistry program, annual, 4/69—4/70, 24:44029 (PRNC-139)
MCCLIN, Maria Luisa Chemical effects in the neutron activation of cyclopentadienyl derivatives of zirconium and hafnium, 22:25391
Neutron activation of cobaltocene and nickelocene, 21:42998
Szilard—Chalmers reactions in aromatic Bi and Tl compounds, 22:40138
MCCLIN, R. Distribution of trace elements in the marine environment, 21:16303
MCCLIN, Raul Bikini—Eniwetok studies, 1964, 23:9944 (UWFL-93(Pt.2))
MCCLIN ESCALERA, R. Prog. rpt. on marine biology, annual, 6/65—6/66, 22:43311 (PRNC-85)
MCCLINTOCK, D. C. Construction and design problems of sodium cooled fast reactors, 22:16197
Sodium-cooled fast reactors, 22:48712
Sodium-cooled fast reactors, 22:48711
MCCLINTOCK, D. R. Design, fabrication, and irradiation of a Saxton special 9 x 9 assembly, 21:46867 (WCAP-3269-59)
Effect of high power density on UO$_2$ rod type elements, 22:39793 (WCAP-3269-64)
In-pile experience with stainless-steel-clad UO$_2$ fuel elements, 21:36891
Interim postirradiation examinations of Saxton PuO$_2$—UO$_2$ fuel rods, 21:38510
Neutron irradiation effects in Zircaloy fuel cladding, 22:4823
Performance of Zircaloy clad fuel rods in saxton, 23:6009 (WCAP-3269-43)
MCCLINTOCK, Donald R. Method of making a nuclear fuel element, 23:41584
MCCLINTOCK, J. E. Decrease in high-energy x-ray flux from Cen XR-2, 24:19626
High energy x-ray study of M-87, 23:36345
Plasma conductivity and temperature in a theta pinch, 21:7199
MCCLINTOCK, Jeffrey E. Continual variations in high-energy flux of x rays from Scorpius X-1, 25:7004
Detection of high-energy x-ray flare from source in Crux, 25:35691
Rapid fluctuations in high-energy x-ray flux from source in Crux, 25:35692
X rays from new variable source: GX 1 + 4, 25:55720
MCCLINTOCK, P. V. E. Second sound in ^{3}He—^{4}He solutions, 22:52700
MCCLISH, Gale A. Hawaii food irradiation program for the period June 1, 1966—June 30, 1969, 25:21987 (NVO-374-17(Vol.1))
Hawaii food irradiation program, raw data appendices for the period June 1, 1968—June 30, 1969, 25:21986 (NVO-374-17(Vol.2))
Prog. rpt. on Hawaii development irradiation program, annual, 7/67—6/68, 24:9550 (NVO-374-16)
MCCLLAN, Gene Elvin Photoproduction of neutral rho mesons with linearly polarized protons, 25:45645
MCCLOUD, Kenneth Lee Tensile strength of liquid helium, 23:3408
MCCLUNG, R. W. Computerized information retrieval for nondestructive testers, 23:47718
Development of ultrasonic inspection techniques for tapered tubing, 21:245
Imperfections in chemical munitions as detected by x-ray scanning, 25:48392 (ORNL-TM-3467)
Inspection of small specialty welds and brazed joints for nuclear service, 21:14398 (ORNL-P-2811)
Intensifying screens for radiography with energies between 70 and 140 kilovolts constant potential, 23:21912 (ORNL-TM-2488)
Low-voltage radiography and microradiography of graphite, 21:26893 (ORNL-P-3019)
Nondestructive test development for nuclear reactor programs at ORNL, 25:34829
Nondestructive test development, 21:12607 (ORNL-3970, pp 118-24)
Nondestructive test development, 22:8741 (ORNL-4170, pp 119-23)
Nondestructive test development, 23:8166 (ORNL-4370, pp 125-32)
Nondestructive test development, 23:24408 (ORNL-4390, pp 177-88)
Nondestructive test development, 23:47717 (ORNL-4420, pp 188-97)
Nondestructive test development, 24:2407 (ORNL-4470, pp 118-20)
Nondestructive test development, 24:4414 (ORNL-4440, pp 155-9)
Nondestructive testing techniques for FBR, 25:29287 (ORNL-4630, pp 145-9)
Nondestructive testing techniques for LMFBR, 25:48766 (ORNL-TM-3300, pp 170-3)
Nondestructive testing, 25:29288 (ORNL-4630, pp 271-9)
Nondestructive testing, 25:48767 (ORNL-TM-3300, pp 304-12)
Optical methods for studying ultrasonic propagation in transparent media, 21:19871 (ORNL-P-2725)
Remote inspection of welded joints, 25:57680 (ORNL-TM-3561)
MCCLUNG, Robert W. Inspection of small specialty welds and brazed joints for nuclear service, 22:40341
MCCLURE, D. A. Coulomb excitation of levels in ^{105}Pd, 25:28423
Counting losses in nuclear pulse processing systems, 24:36574
Level structure of ^{187}W, 24:47598
Level structure of low-lying excited states of ^{66}Ga, 23:37171
MCCLURE, Donald Allan Low-lying levels in spherical and rotational nuclides, 25:20324
MCCLURE, E. R. Survey of thermal effects in manufacturing, 21:24134 (UCRL-50194)
Thermal effects in precision machining, 24:41162 (UCRL-72542)
MCCLURE, Eldon R. Manufacturing accuracy through the control of thermal effects, 23:37864 (UCRL-50636)
MCCLURE, G. W. Dissociation of H$_2^+$ ions in collision with H atoms: 3 to 115 keV, 21:11449
Ionization and electron transfer in collisions of two H atoms: 1.25 to 117 keV, 22:13227
Proportional counter for detection of ions and atoms in kiloelectronvolt energy range, 21:317
MCCLURE, J. Reaction ^{14}C(p,n)^{14}N and the two-body force, 21:40385
MCCLURE, J. A. Dispersion relations in Glauber formalism with application to πd scattering, 24:33024
General features of high-energy proton—proton and pion—pion elastic scattering, 22:15792
Particle size distributions from fuel rods fragmented during power burst tests in the Capsule Driver Core, 25:8075 (IN-1428)
Phase contours and zeros of forward π^{+-}—p scattering amplitudes, 24:1594
Transient irradiation of $^1/_4$- inch OD stainless steel clad oxide fuel rods to 570 cal/g UO$_2$, 25:49569 (IDO-ITR-100)
Transient irradiation of stainless-steel-clad oxide fuel rods in the region of prompt failure, 23:4377
MCCLURE, J. Doyle Atomic and molecular scattering from solids. II, 23:44179
Surface rainbows: similitude between classical and diffractive scattering of atoms, 24:25972
MCCLURE, J. L. Heat capacity of tantalum in range 1900 to 3000 K, 25:55494
High-speed (subsecond) measurement of heat capacity, electrical resistivity, and thermal radiation properties of tantalum in the range 1900 to 3200 K, 25:35477
MCCLURE, J. P. Electron temperature measurements in upper F region, 23:10491
Electron, ion, and neutral temperatures at magnetic equator, 23:12637 (N-68-27682)
Equatorial ion temperature, 25:43251
Equatorial spread F, 25:7292
Incoherent backscatter observations of F region during 11/12/66 solar eclipse, 23:12638 (N-68-27683)
Neutral and charged particle temperatures in equatorial F region, 23:10511
Temperature and composition of the equatorial ionosphere, 22:5223
Thermospheric temperature variations inferred from incoherent scatter observations, 25:30378
MCCLURE, J. W. Elastic scattering of 7- to 14-MeV neutrons from N, 21:9948
Equilibrium and nonequilibrium contributions to the (p,n) cross sections of Y, Nb, and Ta, 25:50768
Fast-neutron spectroscopy of the reaction ^{9}Be(p,n)^{9}B at 20 MeV, 25:5557
Linear magnetoresistance in the quantum limit in graphite, 22:11520
Method for determining scintillator response functions for fast neutrons, 23:38249 (UCRL-50653)
Nuclear level densities and reaction mechanisms from continuum neutron spectra, 25:28285
Reaction (p,n) on deformed nuclei ^{25}Mg and ^{26}Mg, 21:29949
MCCLURE, John A. TOODEE: a two-dimensional, time-dependent heat conduction program, 21:34111 (IDO-17227)
MCCLURE, John Arthur Measurement of the neutron diffusion parameters of water at different temperatures by the pulsed method, 21:15474
MCCLURE, John W. Cross sections (α,n) on ^{17}O and ^{18}O between 5 and 12.5 MeV, 21:29888
MCCLURE, Lyn Color index of the Sun from the Mg b triplet, 25:22321
MCCLURE, Robert Optical observations of BL Lac = VRO 42.22.01, 23:34187
MCCLURE, Robert D. Color and absorption-line variations over inner disk of M31 and central regions of M32 and NGC 4472, 25:16724
Cyanogen adsorption in the nuclei of galaxies, 23:51321
Density distribution, color excess, and metallicity of K giants at the north galactic pole, 25:16634
Five-color intermediate-band photometry of stars, clusters, and galaxies, 22:52429
Interstellar polarization in directions of globular clusters M3 and M13, 24:8300
Photometric investigation of strong-cyanogen stars, 24:17463
Reddening of M3, M13, M31, and M33 from photometry of late-type field stars, 24:1224
Strong-cyanogen stars: photometry and kinematics, 25:30085
MCCLURE, Robert Douglas Seven-color intermediate-band photometry, 23:27248
MCCLURE, Vernon V. Sectional support grid for intermittently necked-down fuel pins, 22:20958
MCCLURE, W. Effective $\alpha + \alpha$ and α + N potentials from resonating-group calculations, 24:10909
MCCLURE, Walter Jackson Ground state of ^{7}Li and ^{7}Be, 22:46727
MCCLURG, G. R. Thermomagnetic torque in deuterium gas, 25:18403
MCCLURG, Gene Roark Experimental investigations of the thermomagnetic torque effect in deuterium, 25:39490
MCCLURKIN, J. L. The railroad transport system to be used for nuclear rocket engine transportation and installation into test stand, 22:4322
MCCLUSKEY, George E. Jr. Curve-of-growth analysis for the close binary HR 5317, 23:36300
Formation of a neutron star in a close binary system, 25:30099
MCCLUSKY, J. K. Uranium metal by carbon reduction of oxide, 25:6848
MCCLUSKY, James K. Carbon reduction process, 23:41594
Niobium—U alloy, 22:15168
MCCOLL, Daniel Clyde An n/d calculation using the discontinuity of a second order four-point interaction as input, 25:14676
MCCOLL, I. Study of 200 patients with Pruitus ani, 25:13588
MCCOLL, J. R. Theory and operation of proton spin refrigerators: sizable proton polarizations, 24:30304
MCCOLL, M. Cosmic background radiation at lambda = 3.3 mm, 25:33029
Effects of radiation damage on GaAs p—n junctions, 21:6384
MCCOLLOW, T. J. Radiation protection in dental teaching and practice, 23:35804
MCCOLLUM, Bill Crews Synthesis and some physical properties of reduced scandium chloride, bromide, and iodide phases with unusual stoichiometries, 24:31166 (IS-T-339)
MCCOLLUM, D. C. Specific heat of dilute alloys of Sn in In between 0.5 and 1.7 K, 24:19985
MCCOLLUM, W. A. Prog. rpt. on radiation effects on Ag and Zn battery electrodes, 10/65—1/66, 21:1919 (N-66-23762)
Radiation effects on silver and zinc battery electrodes. IV, 21:9200 (N-66-27530)
MCCOLM, Douglas W. Muonium. I. muonium formation and Larmor precession, 24:21566
MCCOLM, I. J. Existence of CeC, 23:28863
Hydrolysis of rare earth carbides, 22:16514
MCCOMAS, J. G. Low-energy K$^-$-α elastic scattering, 22:7444
MCCOMAS, John Glenn Low-momentum K$^-$—^{4}He scattering at 115 to 160 MeV/c, 25:9969
MCCOMAS, Stuart T. One-component two-phase ciritcal flow at low qualities, 22:4347
Two-phase critical flow at low qualities. Part I. Experimental, 24:33839
Two-phase critical flow at low qualities. Part II. Analysis, 24:33840
MCCOMBS, H. L. Effects of ^{32}P on platelets and atherogenesis in rabbits, 22:49522
MCCONAGHY, James R. Jr. Some characteristics of a boiling-water-cooled vapor transport fuel pin, 25:44122 (N-71-17463)
MCCONAHEY, William M. Ophthalmopathy of Graves' disease, 22:49625
Radioiodide in Graves' disease, 22:49626
Thyroid cancer in Olmsted County 1935—65, 24:895
MCCONE, Alan Ivins Jr. Density perturbation in a universe of collisionless particles, 25:35805
MCCONEGHY, D. J. Impact of the electronic product radiation control program (P. L. 90-602), 25:24196 (BRH/DEP-70-26, pp 40-50)
MCCONKEY, J. W. Absolute cross section for electron impact excitation of 3914-A N$_2^+$, 25:58726

- Absolute cross sections for electron excitation of the second positive bands of nitrogen, 23:18383
- Absolute cross sections for ionization and excitation of CO_2 by electron impact, 22:24063
- Absolute transition probability of the auroral green line, 23:6921
- Angular distributions of ions resulting from electron impact on rare gases, 24:35182
- Cross section for electron impact excitation of 3914 A N_2^+, 22:17423
- Excitation of $A^2\pi$/sub u/ state of N_2^+ by electrons, 24:15132
- Excitation of O_2^+ bands by electron impact, 23:34286
- Influence of He on excitation of $O(^1D)$, 24:35296
- Ionization limits of N I, 22:34258
- Polarization-free vacuum-ultraviolet excitation of helium by electrons, 25:35857

MCCONKEY, John W. Transition probability for electric quadrupole 5577-A auroral green line, 23:42082

MCCONKEY, K. N. Nuclear fuelling arrangement, 25:60252

MCCONNAUGHEY, N. Zirconia-based thermoelectric compositions, 23:36196

MCCONNAUGHEY, W. E. Hazardous materials transportation, 24:22933

MCCONNELEE, J. E. Advanced pressure vessel materials, 23:6665 (GEMP-1004, pp 275-315)
- Plane strain creep and plastic deformation analysis of a composite tube, 21:26130

MCCONNELL, B. D. Irradiation effects on bonded lubricant films and constituent lubricating solids, 22:8850

MCCONNELL, Benjamin W. Neutron transport in two adjacent half-spaces, 24:3835

MCCONNELL, Benjamin Wade Modal approximations in time-dependent reactor and neutron kinetics calculations, 25:17674

MCCONNELL, Charles F. Clinico-pathologic correlation of the liver scan in hepatic abscesses, 23:18059

MCCONNELL, D. B. Computer processing of experimental nuclear data from the Harwell neutron project, 21:20006
- De-excitation γ-rays in ^{15}N and ^{15}O, 25:14896
- Decay of 17.7 min /sup 120g/Sb and 5.8 day /sup 120m/Sb, 24:40631
- Facility for charged photoparticle experiments, 24:47541
- Facility for the study of photoproton angular distributions and correlated photoneutron—photoproton pairs, 25:48985
- Measurement of photoalpha angular distributions, 24:30652
- Production of ^{67}Cu, 25:38961
- Radiative neutron capture facility at Univ. of Toronto, 24:52339

MCCONNELL, D. V. Irradiated peripheral nerve and digital joint homografts in monkeys, 21:16487

MCCONNELL, Douglas H. Fatty acid transport into the brain, 25:60290 (UCLA-12-839)

MCCONNELL, G. E. Sterilization of anthrax-contaminated mink pelts by radiation, 21:34847

MCCONNELL, H. M. Effect of free radicals on superconductors, 23:23053
- Enhancement of the critical temperature of aluminum by molecular inclusions, 22:22105
- Interactions between molecules and superconductors, 21:12391

MCCONNELL, J. A. Gamma backscatter technique for level and density detection, 21:39280

MCCONNELL, J. C. Excitation of 6^1P_1 and 6^3P_1 states of mercury by proton impact, 22:29682

MCCONNELL, J. R. Decay of 14-sec ^{140}Xe, 25:50756
- Experimental techniques in use at the TRISTAN on-line isotope separator system, 25:44508 (BMBW-FBK-70-28, pp 78-86)
- Gamma-ray studies of the decays of ^{142}Xe, ^{142}Cs, ^{142}Ba, and ^{142}La, 25:34116
- Preparation for on-line studies of short-lived nuclei produced by a reactor, 22:28030

MCCONNELL, James Multiplicities in weight diagrams, 21:5406
- Properties of exceptional G_2-Lie group, 22:39442

MCCONNELL, James V. Attempts to transfer approach and avoidance responses by RNA injections in rats, 22:20977 (COO-825-35)
- Transfer of magazine training by injection of brain RNA in rats, 22:20976 (COO-825-34)

MCCONNELL, John C. Excitation processes for Martian dayglow, 25:7123

MCCONNELL, L. G. Canadian forsee $^1/_2$ mill nuclear fuel cost, 25:3802

MCCONNELL, P. M. Ultrasonic cavitation nucleation in liquid He, 24:21716

MCCONNELL, R. A. Design and performance of the SLAC rf drive system, 21:38020
- Radiofrequency cavity for SLAC storage ring, 22:11752 (SLAC-78)
- Rf system design for the SLAC storage ring, 21:38021
- Rf system for SLAC storage ring, 25:50336

MCCONNELL, R. D. Concerning a thought experiment violating Heisenberg's uncertainty principle, 25:14502
- Gapless behavior produced by proximity effect, 24:26124
- Surface impedance of dirty type-II superconductors in vortex state, 24:26105
- Surface resistance in vortex state of Type-II superconductors, 25:1119
- Thermal-conductivity measurements of the proximity effect, 22:38985

MCCONNELL, Robert Dean Gapless behavior induced by proximity effect, 24:6504

MCCONNELL, Roger A. Impedance matching coupler system for a variable resistive load impedance, 25:25590

MCCONNELL, V. A. Liver scanning, 24:27631

MCCONNELL, W. D. Incorporation of ^{15}N into wheat kernel, 22:14968

MCCONNELL, W. J. Electron flux spectra in Al, 22:8435 (CONF-670305-, pp 241-54)
- Electron flux spectra in aluminum, 22:31616
- Response of an electron spectrometer at low energies, 23:22057

MCCONNON, D. Activation of body sodium following low neutron exposures, 24:4618 (BNWL-1159, pp 1-2)
- Calibration of Pu lung counters, 25:21402
- Comparative metabolism of intravenously injected promethium in swine and humans, 25:55108 (BNWL-SA-3747)
- Determination of dose distribution following non-uniform exposure to a critical assembly, 24:4619 (BNWL-1159, pp 3-6)
- Health physics considerations during prtr recovery and decontamination, 22:37529 (BNWL-752)
- Inhalation apparatus for human metabolism studies, 23:49989 (BNWL-1051(Pt.2), pp 220-2)
- Production of pure ^{143}Pm by proton irradiation of ^{144}Sm, 25:37437 (BNWL-CC-2664)
- Radiation types and intensities in decay of ^{235}Np, 25:53784
- Use of ^{235}Np for human metabolism studies, 23:50267 (BNWL-1051(Pt.2), pp 223-5)
- Use of solid state detectors for organ counting, 24:39211 (BNWL-1178)
- Use of water as a sampling medium for tritium oxide, 24:25425 (BNWL-CC-547)

MCCONNON, Dan Neptunium metabolism, 23:770 (BNWL-804)

MCCONVILLE, G. T. Derivation of modified Weber—Schmidt equation for thermal transpiration, 23:37853 (MLM-1627)
- Weber—Schmidt equations for thermomolecular pressure difference of ^{3}He and ^{4}He, 21:3764 (MLM-1363-J)

MCCOOK, George P. New photometric solution for TW Cassiopeiae, 25:35609

MCCOOL, Whittie J. Lighting nuclear lantern in Nippon, 23:17173

MCCOORD, Augusta Long-term behavior of radiosodium in bone, 24:25374

MCCORD, R. V. Operating experience with the HFIR through June 1967, 21:35736
- Prog. rpt. on HFIR, 1—3/66, 21:40679 (ORNL-TM-1962)
- Prog. rpt. on HFIR, 10—12/66, 21:21771 (ORNL-TM-1811)
- Prog. rpt. on HFIR, 4/1/67—7/1/67, 21:46947 (ORNL-TM-2017)
- Prog. rpt. on HFIR, 4—6/66, 21:40680 (ORNL-TM-1963)
- Prog. rpt. on HFIR, 4—6/68, 23:2071 (ORNL-TM-2382)
- Prog. rpt. on HFIR, 7—9/68, 23:11290 (ORNL-TM-2437)
- Prog. rpt. on HFIR, 7-9/66, 21:17524 (ORNL-TM-1752)
- Prog. rpt. on high flux isotope reactor, 1—3/67, 21:32015 (ORNL-TM-1895)
- Prog. rpt. on high flux isotope reactor, 7—9/67, 22:10061 (ORNL-TM-2078)
- Prog. rpt. on high flux isotope reactor, 1—3/68, 22:42364 (ORNL-TM-2295)
- Prog. rpt. on high flux isotope reactor, 10—12/67, 22:47017 (ORNL-TM-2243)
- Prog. rpt. on high flux isotope reactor, 10—12/68, 23:23974 (ORNL-TM-2527)
- Prog. rpt. on high flux isotope reactor, quarterly, 1—3/69, 23:31201 (ORNL-TM-2606)
- Prog. rpt. on high flux isotope reactor, 4—6/69, 24:2038 (ORNL-TM-2734)
- Prog. rpt. on high flux isotope reactor, 7—9/69, 24:9150 (ORNL-TM-2808)
- Prog. rpt. on high flux isotope reactor, 10—12/69, 24:18721 (ORNL-TM-2911)
- Prog. rpt. on high flux isotope reactor, 1—3/70, 24:29052 (ORNL-TM-3000)
- Prog. rpt. on high flux isotope reactor, 4—6/70, 24:50187 (ORNL-TM-3162)
- Prog. rpt. on High Flux Isotope Reactor, 7—9/70, 25:15392 (ORNL-TM-3286)
- Prog. rpt. on high flux isotope reactor, 10—12/70, 25:23343 (ORNL-TM-3339)
- Prog. rpt. on high flux isotope reactor, 1—3/71, 25:37068 (ORNL-TM-3432)
- Prog. rpt. on high flux isotope reactor, 4—6/71, 25:57120 (ORNL-TM-3569)
- Training of high flux isotope reactor maintenance personnel, 25:39286 (CONF-710416-, Paper 8)

MCCORD, Thomas Continued search for Venus airglow, 22:23961

MCCORKELL, R. Aluminum-26 and ^{10}Be in Greenland ice, 22:10371

MCCORKELL, R. H. Radioactive isotopes in Hoba West, 24:12503

MCCORKLE, K. H. Design and performance of continuous process equipment for preparation of urania sol, 21:36908
- Preparation of concentrated urania sols, 23:35275
- Process control in urania preparation by the sol-gel process, 24:29238 (CONF-700502-, pp 113-22)

MCCORKLE, K. H. Jr. Conversion and containment of radioactive organic liquids, 23:40844

MCCORKLE, Kenneth Hall Jr. Surface chemistry and viscosity of thoria sols, 21:25863

MCCORKLE, Richard Anthony Characteristics of beam-generated systems, 25:33292

MCCORKLE, W. H. Reactor Division, 24:18717 (IS-2100, Sect. R)
- Reactor division, 21:42813 (IS-1600, Paper 7)
- Reactor division, 23:2066 (IS-1900, Paper 7)

MCCORLEY, G. C. Effects of various gases within the nasal cavities of rats on the response of olfactory bulb neutrons to x irradiation, 21:6631

MCCORMAC, B. M. Conference on particles and fields in the magnetosphere, Santa Barbara, Calif., 8/69, 24:42569
- Consequences of very small planetary magnetic moments, 23:51359

MCCORMAC, Billy M. Conference on atmospheric emissions, As, Norway, 7—8/68, 24:45163
- Conference on aurora and airglow, Staffordshire, Eng., 8/66, 21:37338
- Earth's particles and fields, 22:34520
- Radiation trapped in the earth's magnetic field, 21:9425

MCCORMACK, Francis J. Inelastic Boltzmann equation for slightly ionized gases, 23:14789

MCCORMACK, J. D. Comparison of iodine containment behavior: simulated aerosol vs irradiated sources, 21:38700
- Comparisons of containment behavior of simulant with fission products released from irradiated UO_2, 22:25123 (BNWL-581)
- Facilities and procedures for testing large scale air cleaning systems containment systems experiment, 23:23927 (CONF-680821-, pp 27-54)
- Large scale air cleaning tests in the containment systems experiment, 25:18183 (WHAN-SA-39)
- Large scale air cleaning tests in the containment systems experiment, 25:20782 (CONF-700816-(Vol.1), pp 102-27)
- Large scale air cleaning tests in the containment systems experiment, 25:26002 (BNWL-SA-3355)
- Large-scale spray tests in the containment systems experiment (CSE), 22:32795
- Maypack behavior in containment systems experiment: penetrating analysis, 24:2005 (BNWL-1145)
- Removal of aerosol particles by sprays in the CSE containment vessel, 24:33421
- Removal of airborne fission products by containment sprays, 23:37600
- Removal of airborne fission products by recirculating filter systems in the containment systems experiment, 25:54153 (BNWL-1587)
- Removal of I and particles from containment atmospheres by sprays, 24:22422 (BNWL-1244)
- Removal of iodine and particles by sprays in the containment systems experiment, 25:25995
- Scavenging of aerosol particles by sprays, 25:26372 (CONF-700601-, pp 187-204)

MCCORMACK, K. R. Changes in lung scan pattern related to free fluid and cardiac position, 25:13484
- Scanning of liver and brain in evaluation of patients with bronchogenic carcinoma, 22:51808

MCCORMICK, A. Detector for the metastable ions observed in the mass spectra of organic compounds, 22:43164

MCCORMICK, B. H. ILLIAC III reference manual. II, 25:34451 (COO-2118-6)
- ILLIAC III reference manual. III, 25:57227 (COO-2118-21)
- ILLIAC III reference manual. IV, 25:57226 (COO-2118-19)
- Interval generalization of switching theory, 25:39371 (COO-2118-8)
- WEB system. II, 22:14372 (COO-1018-1118)

MCCORMICK, Bruce H. Bubble chamber data processing system for the ILLIAC III computer, 21:41268
- Parametric description of a scan-display system, 23:45577 (COO-1018-1168)
- Pattern articulation unit of Illiac III, 22:16370 (TID-24249)

MCCORMICK, Donald J. Repair of thermal sleeve and primary coolant pipe at Indian Point Unit No. 1, 25:50898

MCCORMICK, F. Effects of gamma radiation on the forest at El Verde, 25:21928 (TID-24270, pp D.3-75)

MCCORMICK, G. H. Radioisotopes for measuring flow rates of water in high-head turbines and pumps, 21:45311 (TID-23737, pp 115-32)

MCCORMICK, J. E. Brayton-cycle electrical power system, 21:41069

MCCORMICK, J. Frank Effects of beta radiation from simulated fallout on the reproductive potential of a dominant plant species in a natural community, 25:42718 (ORO-3299-110)
- Effects of gamma radiation on seedling diversity and abundance in a tropical forest, 25:21935 (TID-24270, pp D.201-11)
- Effects of ionizing radiation and other environmental stresses upon Pinus elliottii, 21:11125
- Effects of ionizing radiation on a pine forest, 21:36747 (ORO-3299-6)
- Effects of ionizing radiation on seedling diversity and abundance in a tropical forest, 21:39372 (ORO-3299-7)
- Growth and survival of sierra palm under radiation stress, 25:21934 (TID-24270, pp D.193-9)
- Patterns of radiation exposure in the tropical rain forest, 25:21688 (TID-24270, pp C.41-7)
- Prog. rpt. on effects of ionizing radiation on plant species, populations, and ecosystems, annual, 9/68—8/69, 23:35682 (ORO-3299-20)
- Prog. rpt. on effects of ionizing radiation on plant species, populations and ecosystems, 9/70—8/71, 25:42316 (ORO-3299-107)

MCCORMICK, J. W. Evaluation of multilevel sprinkler systems and container materials for fire protection in high-rack storage, 25:51356 (Y-1801)

MCCORMICK, J. W. P. Progress on Polly at Glasgow, 25:13255 (CERN-70-21(Vol.1), pp 357-70)

MCCORMICK, L. T. Radiation monitoring and protection system for reactor Triga Mark II, 21:26158 (UCRL-50007-66-2, pp 12-21)

MCCORMICK, M. P. Optical radar measurements of the atmosphere, 21:27054 (NASA-CR-729)

MCCORMICK, N. J. Analysis of a neutron pulse in a slab using the reciprocity princple, 21:7669
- Approximate calculations for the disappearance of discrete decay modes, 23:37087
- Bi-orthogonality relations for solving half-space transport problems, 21:7570
- Comparison of the codes RSYN and 3DB, 25:15343 (WHAN-IR-48)

- Effect of infinite reflectors on critical slab thickness, 23:37747
- Exact solution in the theory of line formation in stellar atmospheres, 21:46068
- Experiences with a televised nuclear engineering seminar program, 22:33102
- Half-range orthogonality relations for neutron transport with a separable kernel, 21:7647
- Monte Carlo method to sample from adjoint neutron transport equation, 23:19548 (CONF-680909-, pp 12-17)
- Neutron angular density, 23:37728
- Neutron transport calculations, 24:18768
- Neutron transport for anisotropic scattering. II, 23:42846
- Neutron transport for anisotropic scattering. I, 23:42843
- Optimal neutron group structure, 23:3912
- Radiation heat transfer in ceramic oxide fuel elements, 24:17378
- Reciprocity in time-dependent neutron transport theory, 21:13794
- Some results in one-and two-dimensional transport theory, 24:8821 (ORO-3858-1, pp 607-39)
- Source convergence in Monte Carlo calculations, 23:28618
- Spectral-line formation by noncoherent scattering, 25:6969
- Time eigenvalues in hydrogen gas and their analytic error estimates, 23:4408
- Transport disadvantage factor calculations, 24:30683
- Transport in two half-spaces, 22:32456
- Transport solution of a quarter-space problem, 23:36760
- Transport-corrected boundary conditions for neutron diffusion calculations, 23:5752 (UCRL-50443)
- MCCORMICK, Norman J. Equivalence of special models in energy-dependent neutron transport and nongrey radiative transfer, 21:5468
  - Quantum mechanical neutron scattering formalism and its use in criticality calculations, 22:7615 (UCID-15249)
- MCCORMICK, R. A. Environmental aspects of power plants, 24:46138 (CONF-700810-25)
- MCCORMICK, W. B. Fast pulsed reactor VIPER. II, 23:9211
  - Neutron spectrum measurements in fast reactor assembly Vera 19A and tests of time-of-flight spectrometry method in Vera 5A and Viper 1, 22:35653
- MCCORMICK, W. D. Variable heat switch for use below 1 deg K, 21:11579
- MCCORMICK, W. T. Jr. Numerical solution of the two-dimensional time-dependent multigroup equations, 23:40428 (CONF-690401-, pp 76-101)
- MCCORMICK, William C. Jr. Optimum sampling methods, 22:16364 (SC-CR-67-2752)
- MCCORMICK, William T. Jr. Numerical solution of the two-dimensional time-dependent multigroup equations, 23:34934 (MIT-3903-1)
- MCCORRISTON, T. n—p and n—nucleus total cross-sections in momentum range 10 to 30 GeV/c, 25:47734
- MCCORRISTON, T. P. Neutron total cross sections on protons and nuclei in 10 to 30 GeV/c momentum range, 25:56421
- MCCORRISTON, Thomas P. Neutron total cross sections on protons and nuclei in the 30 GeV/c momentum range, 25:50060 (PURC-4159-36)
  - Neutron—proton charge-exchange scattering from 8 to 28 GeV/c, 25:50059 (PURC-4159-35)
- MCCOWEN, K. D. Evaluation of methods for measuring cardiac output, 23:29615
- MCCOWIN, M. L. Ultrasonic nonbond inspection of tubular fuel elements, 22:14740
- MCCOWN, J. J. Evaluation of techniques for controlled addition of impurities to FFTF closed loops, 23:45104 (BNWL-1130)
  - MAD carrier: free method for radiochemical determination of ^{137}Cs, 23:37908
  - Transport of radioactive corrosion products in sodium loop, 24:2889
- MCCOY, Barry M. Does renormalized perturbation theory diverge, 24:22002
- MCCOY, G. A. Calibration of an infrared pyrometer, 25:3989 (UCRL-19665)
- MCCOY, H. E. Advances in the development of molten-salt breeder reactors, 25:39209 (A/CONF.49/P-48)
  - Assesment of molten salts as intermediate coolants for LMFBR's, 24:4051 (ORNL-TM-2696)
  - Carburization of niobium- and tantalum-base alloys, 21:13180
  - Correlation of the creep behavior of a nickel alloy with precipitate distribution, 24:6198
  - Development of a Ti-modified Hastelloy N with improved resistance to radiation damage, 24:29993
  - Development of Hastelloy-N with improved resistance to irradiation damage, 23:3101
  - Fluoride salts for heat-transfer applications, 22:30769
  - Influence of irradiation temperature on the creep-rupture properties of Hastelloy-N, 25:37991
  - Influence of Zr additions on Ni—Mo—Cr alloy, 25:45097
  - INOR-8 story, 24:12395
  - Materials development, 23:20524 (ORNL-4344, pp 211-90)
  - Materials development, 24:17331 (ORNL-4449, pp 165-213)
  - Mechanical behavior of CVD tungsten at elevated temperatures, 21:34890 (ORNL-P-3159)
  - Mechanical behavior of CVD tungsten at elevated temperatures, 22:7010
  - Mechanical properties of irradiated Hastelloy N, 23:22611
  - Nature of creep cavities in tungsten, 21:45953
  - New developments in materials for molten-salt reactors, 24:11159
  - Niobium—1 percent Zr alloy, 23:27095
  - Preirradiation and postirradiation mechanical properties on Hastelloy N welds, 23:32045
  - Stress-induced growth of gas bubbles in solids, 22:19564
  - Tensile properties of Hastelloy N welded after irradiation, 24:25682 (ORNL-TM-2858)
  - Tensile properties of Hastelloy N welded after irradiation, 25:22060
  - The computer: an aid for analyzing and processing creep-rupture data, 24:2410
- MCCOY, H. E. Jr. Cladding materials for SNAP-8, 23:8246 (ORNL-4370, pp 198-9)
  - Creep-rupture properties of some refractory metal alloys. III, 22:38543
  - Effects of irradiation on mechanical properties of Hastelloy N, 22:11006 (ORNL-TM-2043)
  - Electrical resistivity anomaly in nickel-base alloys, 23:8200
  - Evaluation of Hastelloy N for SNAP-8 service, 22:8743 (ORNL-4170, pp 160-1)
  - Evaluation of Molten-Salt Reactor Experiment Hastelloy N surveillance specimens, 24:10124 (ORNL-TM-2647)
  - Evaluation of the Molten Salt Reactor Experiment Hastelloy N surveillance specimens: first group, 22:4772 (ORNL-TM-1997)
  - Evaluation of the Molten-Salt Reactor Experiment Hastelloy N surveillance specimens: fourth group, 25:29906 (ORNL-TM-3063)
  - Hastelloy N surveillance specimens, 23:18249 (ORNL-TM-2359)
  - In- and ex-reactor stress-rupture properties of Hastelloy N tubing, 21:39619 (ORNL-TM-1906)
  - Influence of titanium on the strengthening of a Ni—Mo—Cr alloy, 25:35391
  - Influence of titanium, zirconium, and hafnium additions on the resistance of modified Hastelloy N to irradiation damage at high temperature: Phase I, 25:16548 (ORNL-TM-3064)
  - LMFBR cladding and structural materials development, 23:48499 (ORNL-4420, pp 131-68)
  - LMFBR cladding and structural materials development, 24:4735 (ORNL-4440, pp 117-42)
  - Materials development for molten-salt breeder reactors, 21:30164 (ORNL-TM-1854)
  - Mechanical behavior of CVD W at elevated temperatures, 21:39618 (ORNL-4162)
  - Mechanical properties of alloys in reactor environments and development of FBR cladding and structural alloys, 25:29904 (ORNL-4630, pp 73-95)
  - Mechanical properties of alloys in reactor environments and development of LMFBR cladding and structural materials, 25:49487 (ORNL-TM-3300, pp 97-133)
  - Mechanical properties research and LMFBR cladding and structural material development, 23:24961 (ORNL-4390, pp 121-47)
  - Molten-Salt Reactor Program, 22:8696 (ORNL-4170, pp 192-205)
  - Molten-Salt Reactor Program, 23:8305 (ORNL-4370, pp 200-11)
  - Molten-Salt Reactor Program, 24:2971 (ORNL-4470, pp 182-98)
  - Physical and mechanical properties of type 406 stainless steel, 22:52162 (ORNL-TM-2263)
  - Stress-rupture properties of irradiated and unirradiated Hastelloy—tubes, 22:11009
- MCCOY, Herbert E. Composite structure welded with tungsten-containing nickel-base filler metal, 24:27751
- MCCOY, Herbert E. Jr. Nickel-base alloy, 25:32676
- MCCOY, J. E. High-latitude ionization spikes, 23:25224
  - POGO ion chamber experiment in outer radiation zone, 22:52646
- MCCOY, J. L. Induction of transplantation resistance in BALB/c and C57BL/6 mice in three murine leukemia systems, 22:10732
  - Influence of infectious virus on transplantation resistance in Friend tumor system, 22:36166
- MCCOY, James E. Analysis of time variations in interplanetary radiation intensity observed by Mariner 4, 22:29130
- MCCOY, James Ernest High-latitude ionization spikes observed by POGO ion chamber experiment, 24:19805
- MCCOY, John J. Process and apparatus for producing UO$_2$ powder, 25:42938
- MCCOY, John R. Biliary secretion of iodine in calves, 21:36529
- MCCOY, K. E. Effect of an oscillating pressure on nucleate pool boiling, 24:29437
- MCCOY, Peter J. Cascaded thermionic converter, 23:20749
- MCCOY, W. L. Planning for flexibility in operation, maintenance, and refueling of PWR, 25:5909
- MCCOY, William L. Axial stability measurements at the Rochester Gas and Electric Reactor, 25:50940
- MCCOYD, Gerard C. Four photon annihilation of an electron pair, 24:30478 (N-69-10274)
- MCCRACKE, K. G. Anosotropy characteristics of low-energy cosmic-ray population of solar orgin, 25:55763
- MCCRACKEN, A. K. McBEND: prototype code utilizing both removal-diffusion and Monte Carlo methods, 23:13451 (AERE-R-5773(Vol.1), pp 41-75)
  - Techniques with resonance foil sandwich detectors, 21:19962
- MCCRACKEN, G. M. Backscattering of deuterium ions in titanium, 23:14629
  - Backscattering of keV hydrogen ions in solids, 23:39295
  - Desorption by keV protons of hydrogen condensed on liquid-helium-cooled surfaces, 25:30257 (EUR-4593, pp 181-6)
  - Deuterium ion trapping in Nb, Ti, Zr, and Er, 23:36088
  - Fast neutral injection for plasma heating and reactor start-up, 25:38505 (CONF-710607-130)
  - Ion burial in the divertor of a fusion reactor, 25:25163
  - Lyman-α from protons incident on Mo, 24:25956
  - Small magnetic mass spectrometers as residual gas analysers, 23:38367
  - Trapping and re-emission of fast deuterium ions from nickel, 24:5206
  - Trapping and re-emission of fast deuterium ions from nickel. II, 24:40167
  - Trapping of hydrogen ions in molybdenum, titanium, tantalum, and zirconium, 22:1005
  - Trapping of keV deuterons in Li, 25:38565
- MCCRACKEN, Jack Edwin Development and application of coulotrimetry, 25:44317 (TID-25747)
- MCCRACKEN, K. C. Interrelationship of cosmic-ray anisotropies and the interplanetary magnetic field, 22:36693
- MCCRACKEN, K. G. Anomalous distribution in heliocentric longitude of solar-injected cosmic radiation, 25:49679
  - Baloon-borne observatory for x-ray astronomy, 23:14517
  - Characteristic effects of the deformed magnetic field of the earth on medium energy cosmic rays, 21:23028 (NP-16628, pp 10-31)
  - Corotating Forbush decreases, 23:34229
  - Cosmic radiation anisotropy as a separable function of time and radiation, 21:33226
  - Cosmic-ray propagation processes. II, 21:43846
  - Cosmic-ray propagation processes. I, 21:43847
  - Decay phase of solar-flare events, 25:40266
  - Discrete x-ray sources, 23:46301
  - Energy spectra of x-ray sources in range 2 to 60 keV, 21:3563
  - Extension of celestial x-ray spectra to higher proton energies, 24:30083
  - Instrument to measure anisotropies of cosmic-ray electrons and protons, 25:32230
  - Inter-relationship of cosmic-ray anisotropies and interplanetary magnetic field, 22:47841 (N-68-24668)
  - Microburst phenomena. I, 22:22053
  - Microburst phenomena. II, 22:22052
  - Neutron monitor and Pioneer 6 and 7 studies of the January 28, 1967 solar flare event, 24:10291
  - Pioneer 6 observations of the solar flare particle event of July 7, 1966, 23:22816
  - Pioneer VI detector to measure degree of anisotropy of cosmic radiation in energy range 7.5 to 90 MeV/nucleon, 21:16153
  - Propagation of cosmic radiation through the interplanetary magnetic field, 24:1201
  - Recurrent Forbush decreases associated with M-region magnetic storms, 21:2070
  - Rocket instrumentation for x-ray astronomy, 24:30086
  - Solar cosmic-ray phenomena, 25:11625
  - Spectral properties of x-ray objects GX 3 + 1, GX 354-5, and Sco XR-1, 22:47774
  - Streaming of solar cosmic rays, 24:19654
  - Strong x-ray source in vicinity of constellation Crux, 21:33096
  - Temporal independence of the occurrence of small scale irregularities in the interplanetary magnetic field, 21:3722
  - Upper limits to the hard x-ray flux from the quiet sun and Jupiter, 21:22956
  - Variability of Centaurus XR-2, 22:5018
  - Variability of Centaurus XR-2, 23:34161
  - X-ray surveys of quiet Sun, Magellanic clouds, and the Cygnus region, 24:1168
- MCCRACKEN, Kenneth G. Effect of interplanetary magnetic field on propagation of cosmic rays, 22:52548 (AD-672310)
- MCCRACKEN, R. J. Unique mechanical fabrication techniques on the BNL cyclotron, 23:28046
- MCCRARY, Gloria E. Chloride catalysis of Np(III)—Fe(III) reaction, 23:2270
- MCCRARY, J. H. Attenuation coefficients of gases for 4.5- to 145-keV photons, 25:7141
  - Attenuation of 5.9 keV photons by helium and hydrogen, 25:38525 (EGG-1183-1467)
  - Attenuation of 5.9-keV photons by He and H, 24:39829
  - Gamma-ray attenuation-coefficient measurements, 24:30158
  - K-fluorescent-x-ray relative-intensity measurements, 25:55827
  - Reaction kinetics of powdered uranium and deuteroammonia, 21:3067
  - Total absorption ionization chamber for 1.5-10 keV x-rays, 25:32215 (LA-4568)
  - Total absorption ionization chamber for 1.5 to 10 keV x rays, 25:48942
  - Use of radioisotopes in detector calibrations, 23:11756 (EGG-1183-1401)
  - Use of radioisotopes in detector calibrations, 24:29454
  - X-ray attenuation-coefficient measurements, 21:13388
- MCCRAW, Tommy F. External radiation levels on Bikini Atoll, 5/67, 23:6217 (HASL-190)
- MCCRAY, J. A. Elastic scattering of 7 to 9 MeV protons by ^{89}Y, 21:12006
- MCCRAY, James A. Levels in ^{89}Y populated by decay of ^{89}Zr, 23:1864
- MCCRAY, K. Energy response of LiF, CaF$_2$, and Li$_2$B$_4$O$_7$:Mn from 26 keV to 22 MeV, 23:7832 (CONF-680920-, pp 410-23)
- MCCRAY, Kenneth Energy response of LiF, CaF$_2$, and Li$_2$B$_4$O$_7$:Mn to high energy radiations, 24:23030
  - Lithium borate thermoluminescent dosimetry system, 24:44339
- MCCRAY, R. Nonthermal intergalactic bremsstrahlung, 23:20650
  - Stimulated inverse Compton scattering in radio sources, 22:19719
- MCCRAY, R. A. Time-dependent model of the interstellar medium, 24:51358
- MCCRAY, Richard Electromagnetic spectrum of Eta Carinae, 21:16767
  - Interaction of cosmic gamma rays with intergalactic matter, 24:4981
  - Photoionization of intergalactic hydrogen by quasars, 24:21494
  - Possibility of maser action in cosmic radio sources, 21:6955

  - Synchrotron radiation losses in self-absorbed radio sources, 23:22761
- MCCRAY, Richard Alan Quasi-stellar synchrotron sources and intergalactic matter, 22:5032
- MCCREA, W. H. Age distribution of galaxies, 22:34183
  - Cosmical constant, 25:58661
  - Cosmology after half a century, 22:34224
  - Doubts about Mach's principle, 25:28065
  - Mechanism for radio galaxies and quasars, 21:11375
  - Origin of the solar system, 21:11340
  - Philosophy for big-bang cosmology, 25:936
  - Quasars: rapid light fluctuations, 21:37043
  - Quasi-stellar objects with absorption lines, 22:29052
  - Time measurement: criticism of a paper by L. M. Stephenson, 25:22893
  - Why the special theory of relativity is correct, 22:5639
- MCCREADY, R. G. L. Sulfur isotope fractionation and kinetic studies of sulfite reduction in S. heidelberg, 22:40613
  - Sulfur isotope fractionation by Salmonella species, 21:10764
- MCCREADY, V. R. Bone scanning, 24:34490
  - Conference on radioactive isotopes in the localization of tumors, London, 9/67, 24:34470
  - Differential isotope scanning of brain, 25:6727
  - Prototype semiconductor gamma-camera, 25:18699
  - Scintigraphy in the diagnosis and treatment of malignant lymphomas, 23:48140
  - Use of ^{18}F for bone scanning, 22:40765
- MCCREADY, V. Ralph Co-ordinate transfer system for gamma camera, 23:38289
  - Spleen scanning, 24:34462
- MCCREARY, W. J. Pyrolytic carbon coatings for $^{238}PuO_2$ microspheres, 24:14874 (LA-4298)
  - Vapor deposition in the fabrication of fission thermocouples, 22:38142 (LA-DC-9004)
- MCCREDIE, J. Prog. rpt. on Pickering Generating Station, 1970, 25:53879 (70-CNA-618)
- MCCREDIE, J. A. Effect of a single large dose local x-rays on allogeneic skin graft rejection in the mouse, 24:41783
  - Factors influencing radiosensitivity of animal tumours, 23:2890
  - Multi-component radiation survival curve model, 25:11293
- MCCREDIE, John A. Cure of C3H mammary tumor, 24:29823
  - Effect of x-rays on allogeneic skin graft rejection in mouse, 24:17009
- MCCREDIE, Robert S. Synthetic spectroscopic models related to coenzymes and base pairs. III, 23:49855
- MCCREEDY, H. H. Bacteria-based processes for the treatment of low-grade uranium ores, 25:23673
  - Proposed method, using bacteria, for continuous leaching of U ore, 23:339 (CONF-680426-2)
  - Proposed method, using bacteria, for continuous leaching of a U ore, 23:17533
- MCCREERY, P. N. Lot control in the production of uranium fuel cores, 23:38918 (NLCO-1037)
- MCCREERY, Paul N. Lot control in the production of uranium fuel cores, 25:42835
- MCCREIGHT, Louis R. Boron carbide resists heat, 23:27156
- MCCRELESS, Thomas G. Pool reactor experiments with control rods, 21:38708
- MCCRELESS, Thomas, G. Government regulator's views [on implications of ANSI Criticality Safety Standard N16.1], 25:4288
- MCCRERIE, Alan Ian Improvement in fuel elements, 24:53002
  - Improvements in reactor fuel elements, 24:18791
  - Improvements in reactor fuel elements, 24:26781
  - Instrumentation of nuclear reactors, 23:11246
- MCCRICKARD, J. Commissioning and operating experience with the Winfrith SGHWR, 23:13401
- MCCRIKARD, J. Commissioning and operating experience with Winfrith SGHWR, 22:44846
- MCCRONE, Alistair W. Short-lived radionuclides and weathering, 22:35936
- MCCRONE, B. T. Isospin structure of an E2 transition matrix element in ^{27}Al and ^{27}Si, 25:46010
- MCCRORY, D. Recombination in nighttime F-region, 21:7081 (N-66-27213)
- MCCRORY, Donald Regis Recombination coefficient of nighttime F-region from incoherent scatter measurements, 21:31308 (N-66-39709)
- MCCRORY, G. J. Effects of gamma irradiation on radiation sensitivity in diploid potato species Solanum chacoense, 24:8015
- MCCRORY, Gerard J. Relationship between radiation dose rate and lethality of diploid clones of Solanum, 23:16438
- MCCRORY, R. A. Atmospheric pressure waves from nuclear explosions, 21:37316
- MCCROSKY, R. E. Lost City meteorite: its recovery and a comparison with other fireballs, 25:40151
- MCCROSSON, F. J. Calculated enhancement of thermal neutron flux from a ^{252}Cf source, 25:38843 (DP-1250)
  - Flux enhancement with ^{252}Cf source in a subcritical assembly, 25:50605 (CONF-710402-(Vol.2), pp I.136-41)
  - Multi-group transport theory, 25:33380 (CONF-710107-, pp 426-63)
- MCCROSSON, F. Joseph Multi-group neutron transport theory in plane geometry, 25:22951 (TID-25644)
  - Solution of the transport equation with anisotropic scattering in slab geometry, 22:41922
- MCCROSSON, Frank Joseph Jr. Multigroup neutron transport theory in plane geometry, 23:39922
- MCCRUMB, J. L. Yield of thermal ethyl radicals from the radiolysis of ethylene—cyclohexane solutions, 21:28011
- MCCUAIG, F. D. Pilot-lot fabrication of ZPPR oxide-rod elements, 24:36949 (ANL-7649)
- MCCUBBIN, T. K. Jr. Infrared emission of CO_2—N_2 and CO_2—N_2—He plasmas, 22:1229
- MCCUBBIN, W. L. Conduction processes in polymers, 25:49848
- MCCUE, James M. Electrical calibration means for radiac equipment, 22:16891
- MCCULLAGH, E. Perry Implantation of ^{90}Y in an acromegalic patient, 23:26855
  - Transsphenoidal ^{90}Y hypophysectomy in the treatment of breast cancer, 21:16380
  - Yttrium-90 implantation into pituitary tumors associated with acromegaly, 22:31122
- MCCULLAGH, P. J. Immunological status of marrow cells of rats, 25:16055
  - Role of lymphocytes in antibody formation. I, 21:41337
- MCCULLAGH, R. J. Transfer of immunological competence to rats, 25:21609
- MCCULLEN, J. D. Decay of ^{103}Ag, 21:2712
  - Prog. rpt. in nuclear physics, annual, 1/1/67—12/31/67, 22:13955 (COO-1468-2)
  - Prog. rpt. on nuclear physics, 1—12/70, 25:53662 (COO-1468-9)
  - Reaction mechanism independent particle-gamma correlation functions using polarized particles, 24:11053
  - Two-frequency hyperfine transitions in atomic deuterium, 23:44155
- MCCULLEN, John International aspects of approval and supervision of nuclear activities, 24:22362
- MCCULLEN, John D. Prog. rpt. on nuclear physics, annual, 1—12/68, 23:19200 (COO-1468-3)
  - Search for branching in β decay of ^{42}Sc, 25:48040
- MCCULLEN, P. A. J. Effects of radiation on corrosion of some Zr alloys, 25:624
- MCCULLEY, Geraldine Ray tracing studies for the topside ionosphere, 23:12682
- MCCULLOCH, D. B. Existence of discrete eigenvalues in slab lattice exponential experiments, 22:44586
  - Method of estimating fuel burn-up and higher isotope production in reactor HIFAR, 24:24873 (AAEC/TM-508)
  - Monte Carlo calculations (one-group) of ^{238}U/^{235}U fission ratios in rod-cluster fuel elements, 23:9166
  - Power transients following loss of single coarse control arm blade in HIFAR, 23:19520 (AAEC/TM-479)
  - Preliminary survey of requirements for heavy water moderated reactor lattice experiments in the proposed critical facility, 22:39873 (AAEC/TM-433)
  - Theoretical study of use of reactor MOATA for lattice experiments on heavy water moderated reactor systems, 23:40384 (AAEC/TM-499)
- MCCULLOCH, E. A. Cellular composition of hemopoietic spleen colonies, 21:28419
  - Cellular interactions in the control of hemopoiesis, 25:16337
  - Characterization of the factor in L-cell conditioned medium capable of stimulating colony formation by mouse marrow cells in culture, 25:32360
  - Radiation sensitivity of human bone marrow cells, 24:17155
  - Role of stem cells in control of hemopoietic and immunologic responses, 22:560
  - Stem cell function related to the repair of radiation damage, 23:20316 (BNL-50058, pp 161-8)
- MCCULLOCH, J. S. G. Soil-moisture estimation by neutron method, 23:50199
- MCCULLOCH, James M. Photographic and mechanical properties of nuclear research emulsions, 24:16827 (AD-488329)
- MCCULLOCH, P. M. Comparison of pulse shapes of pulsars at different frequencies, 24:27981
  - Effect of Io on Jupiter's decametric emissions, 23:34256
  - Frequency splitting of solar radio bursts, 22:791
  - Interpretation of radio rotation period of Jupiter in terms of cyclotron theory, 22:41155
  - Observations of 11 radio sources, 22:47733
  - Radio rotation period of Jupiter, 22:8938
  - Spaced receiver observations of pulsed radio sources, 22:41163
- MCCULLOCH, R. D. Exchange mechanism for reaction: $p + n \rightarrow \Delta^{++} + \Delta^{-}$, 22:24542
  - Fortran IV program for calculating general tensor moments of polarization in nuclear reactions and scatterings, 21:34030 (ORNL-4125)
  - Hyperfragment production and decay and non-mesic absorption rate for stopping K^- mesons in neon, 22:50298
  - Hyperfragment production following slow Σ^- capture in liquid Ne, 24:28482
  - Inelastic pn interactions at 3.7 GeV/c, 25:1404
  - Interactions π^+n at 3.29 GeV/c: four- and five-pion events, 22:41749
  - LAMBDA^0 trapping following absorption of stopping K^- and Σ^- in liquid neon, 24:47373 (CONF-690557-(Vol.2), pp 748-52)
  - Neutral πrho enhancements produced in 8-GeV/c π^+d interactions, 23:36848
  - Properties of neutral A-mesons, 21:23311
  - TENMO-general tensor moment polarization computer program, 24:15972
- MCCULLOCK, P. M. Spectra fine structure in pulsar radiation, 23:1102
- MCCULLOUGH, C. R. Industrial sabotage in nuclear power plants, 24:16110
- MCCULLOUGH, C. Rogers Potential hazard of industrial sabotage in nuclear power plants, 23:17236 (SNE-51)
  - Problems of atomic energy, 21:26468
  - Prog. rpt. on use of aqueous solutions as emergency coolants, 4/1/68, 22:25135 (SNE-38)
  - Prog. rpt. on use of aqueous solutions as emergency coolants, 7/68, 22:42206 (SNE-40)
  - Prog. rpt. on use of aqueous solutions as emergency coolants, 10/68, 23:4276 (SNE-46)
  - Use of aqueous solutions as emergency coolants, 23:28492 (SNE-50)
- MCCULLOUGH, David Beta dose to spinal cord and nerve roots in ^{131}I—HSA cisternography, 24:50884 (CONF-691212-, pp 207-23)
- MCCULLOUGH, David C. Spinal cord dosimetry in ^{131}I-IHSA cisternography, 25:4510
- MCCULLOUGH, E. C. Exposure rates from diagnostic x-ray units, 24:44501
  - Factors affecting useful lifetime of continuous channel electron multiplier, 22:19203
- MCCULLOUGH, Edward A. Jr. Quantum dynamics of collinear (H,H_2) reaction, 23:41962
- MCCULLOUGH, Edwin C. Exposure rates from diagnostic x ray units, 25:42431
  - Low energy electron accelerator producing measurably small fluxes through utilization of the photoelectric effect, 23:32870
  - Thermoluminescence in CaF_2:nat as dosimeter, 24:41695 (COO-1105-160)
- MCCULLOUGH, Edwin Charles Qualitative and quantitative features of the terrestrial solar ultraviolet radiation environment, 25:26517 (COO-1105-164)
- MCCULLOUGH, H. L. Computer methods for utility-reactor physics analysis, 23:34885
- MCCULLOUGH, J. Cytogenetic effect of in vitro irradiation of Marmosa mitis lymphocytes, 24:29731 (UCD-472-116, pp 121-2)
- MCCULLOUGH, J. M. In vitro x-irradiation effects on cultured marmosa mitis lymphocytes, 25:6675 (UCD-472-117, pp 101-2)
- MCCULLOUGH, L. D. Electro-thermal nondestructive testing method, 24:7600 (BNWL-1273)
  - Nondestructive testing applications of thermal transducers, 25:23427 (BNWL-SA-3289)
- MCCULLOUGH, R. E. Radiographic inspection of semiconductors and components, 21:246
- MCCULLOUGH, R. S. Radiation dosimetry of internal contamination by Co, 25:46708
- MCCULLOUGH, T. P. Measurements of flux density and polarization of variable sources at a wavelength of 1.55 centimeters, 24:8272
- MCCULLOUGH, W. L. Stress-rupture and creep behavior of Haynes Alloy No. 25 at 1400°, 1700°, and 2000°F in air, 21:43589 (TID-24045)
- MCCULLY, D. A. Orela data acquisition into greater than 10^5 channels through a priority multiplexer operating on a direct memory access and a program controlled device interface, 24:40536
- MCCULLY, K. A. Degradation and anticarboxylesterase activity of disulfoton and phorate after gamma irradiation, 23:35236
- MCCUMBER, D. E. Effect of ac impedance on dc voltage—current characteristics of superconductor weak-link junctions, 22:36870
  - Frequency-pulling effects in Josephson radiation, 24:5101
  - Intrinsic fluctuations in superconducting rings containing one-dimensional weak links, 23:32292
  - Intrinsic resistive tranistion in thin superconducting wires driven from current sources, 22:39016
  - Josephson dc effect for strong-coupling superconductors, 23:1342
  - Measurement of high-frequency properties of point-contact Josephson junctions, 22:11355
  - Time scale of intrinsic resistive fluctuations in thin superconducting wires, 24:23923
  - Tunneling and weak-link superconductor phenomena having potential device applications, 22:29444
- MCCUNE, E. L. Effects of irradiation on avian leukosis, 25:55329
- MCCUNE, J. E. Absolute and convective plasma microinstabilities, 24:51699
  - Loss-cone modes in inhomogeneous mirror machines, 25:36166 (UCRL-73135)
  - Properties of marginally-stable collisionless drift-universal modes with application to the W-II stellarator, 25:1242 (IPP-6/85)
- MCCUNE, James Two-pole approximation for the plasma dispersion function, 22:13484
- MCCUNE, James E. Exact inversion of dispersion relations, 21:808
  - Magnetohydrodynamic instabilities in weakly ionized, radiating plasma, 25:59066
- MCCUNE, R. A. New tetragonal compounds Nb_3Si and Ta_3Si, 23:24936
  - Solubility of nitrogen in alpha vanadium, 25:55475
  - Vanadium—oxygen system, 24:32512
- MCCURDY, Alberg J. Archaeological report, Amchitka Island, 24:48021 (TID-25481)
- MCCURDY, David E. Analysis of atmospheric concentrations of RaA, RaB, and RaC by alpha spectroscopy, 23:28742
  - Thermoluminescent dosimeter for providing a total radiation measure of radioactivity in a fluid medium to which the dosimeter is exposed, 25:35035
  - Thermoluminescent dosimetry for personal monitoring of uranium miners, 23:41076
  - Thermoluminescent dosimetry for personal monitoring of uranium miners, 23:43755 (COO-1500-16)
- MCCURDY, G. B. Generation of new infrared maser frequencies by isotopic substitution, 21:12426
- MCCURDY, H. M. Response of newt larvae to x irradiation, 25:16350
- MCCURDY, W. H. Jr. Volumetric and gravimetric analytical methods for inorganic compounds, 22:25313
- MCCURIE, R. A. Magnetic domain structures of intermetallic compounds $SmCo_5$, $LaCo_5$, and $CeCo_5$, 25:3217
- MCCURNIN, T. W. Prog. rpt. on radiation environment system, final, 11/28/66, 21:43364 (AD-645002)
- MCCURNIN, W. R. Biaxial stress rupture testing of irradiated, ceramic-coated Incoloy 800, 24:32477
  - Fuel assembly performance in Piqua Core I, 22:44860
  - Postoperation evaluation of the Piqua Core-I fuel assemblies, 22:6026
  - Tensile testing of irradiated EBR-II driver fuel cladding, 24:6224
- MCCURRICH, L. H. Measurement of strain in concrete pressure vessels, 23:11200
- MCCURRIE, R. A. Magnetic and mechanical hardness of $SmCo_5$ and $LaCo_5$, 25:29845

Magnetic hardness of intermetallic compound $SmCo_5$ as function of particle size, 25:25248
MCCURRY, Edward M. Infinite number of laminagrams from a finite number of radiographs, 25:24256
MCCUSKER, C. B. A. Cosmic radiations at extremely high energies, 25:16849 (AD-710653)
  Cosmic rays, 21:7041
  Evidence of quarks in air-shower cores, 23:46596
  High transverse momenta observed in air shower cores, 25:11750
  Lightly ionizing particles in air-shower cores, 24:12936
  Nuclear interactions and cosmic radiation at energies around 10^6 GeV, 23:18467
MCCUSKER, J. Scintillation camera, 23:35500
MCCUSKER, M. V. Intense polarized electron beams from optically pumped helium discharges, 23:22905
MCCUSKEY, S. W. Geiant M stars in galactic anticenter, 23:51212
MCCUTCHAN, D. A. Estimation of reactivity worth of structures external to NERVA, 21:38636
  Reactivity measurements as a nondestructive test of NERVA fuel-element composition, 22:6083
MCCUTCHEN, J. H. Status of research on radionuclide removal systems, 21:12879
MCCUTCHEON, M. J. Equivalent circuit of fully ionized plasmas, 22:7264
MCCUTCHEON, Martin J. Analysis of annular induction MHD generator, 22:52567
  Energy transfer problems in superconductors and flowing plasmas, 23:18484 (AD-673292)
MCCUTCHEON, Martin Jack Magnetohydrodynamic studies in cylindrical systems with power generation applications, 22:9144
MCCUTCHEON, W. H. Correlation of amplitude of successive pulses of CP 0328, 25:878
  Neutral-hydrogen survey of the Cygnus X region, 24:48952
  Observations of the neutral hydrogen content of distant galaxies, 25:7107
  Search for high-velocity hydrogen clouds at negative velocities and negative latitudes, 24:51359
MCDADE, J. J. Improved sonication method for removal of microorganisms from surfaces, 21:38845 (SC-RR-67-492)
  New approach to microbiological sampling of surfaces: vacuum probe sampler, 21:47037 (SC-RR-67-114)
MCDANIEL, B. D. Cornell 10 GeV electron synchrotron, 21:29736
  Measurement of π/sup +-/p backward scattering between 1.54 and 2.04 GeV/c, 21:25235 (BNL-11359)
  Present day electron synchrotrons for energies above 3 GeV, 21:38145
MCDANIEL, Boyce D. 10-GeV synchrotron at Cornell, 22:50500
MCDANIEL, C. J. Low-cycle fatigue testing of partial penetration welded reactor vessel nozzle connections. II, 21:13119 (APED-4923)
  Low-cycle fatigue testing of partial penetration welded reactor vessel nozzle connections. I, 21:13137 (APED-4904)
  Reactor pressure vessel O-ring and flange face overlay materials, 21:21626 (APED-4856)
  Thermal fatigue testing of selected dissimilar metal welds, 21:13138 (APED-4948)
MCDANIEL, C. L. Phase relations between palladium oxide and the rare earth sesquioxides in air, 22:19664
  Phase relations in the SrO—IrO_2—Ir system in air, 25:43005
MCDANIEL, C. T. Modified collision probability method for non-uniform lattices, 25:57155 (CONF-710302-(Vol.2), pp 644-54)
  Multigroup two-dimensional collision probability techniques for nonuniform lattices, 25:41608
  Nodal integral transport method for calculation of two-dimensional power distributions in non-uniform lattices, 25:57156 (CONF-710302-(Vol.2), pp 655-78)
  Transport solutions for two—dimensional multigroup thermal-neutron distributions in nonuniform lattices, 23:4188
MCDANIEL, Clarence Thomas Tissue absorption theory applied to formulation of radiographic technique, 23:4954
MCDANIEL, Clyde Prog. rpt. on public information requisites for shelters, final, 9/66, 22:4599 (AD-648319)
MCDANIEL, D. Design and construction of multiple-unit nuclear power plants, 22:16218
MCDANIEL, D. C. Myocardial blood flow and ^{86}Rb clearance in left atrium, 21:32573
MCDANIEL, E. Analysis of pulse-height analyzer test data with a small computer, 21:28306 (ORNL-TM-1865)
MCDANIEL, E. W. Bibliography of atomic and molecular processes for 1963, 21:39796 (ORNL-AMPIC-1)
  Case studies in atomic collision physics. I, 24:21584
  Ion—molecule reactions, 24:45046
  Mobilities of mass-identified H_3^+ and H^+ ions in H, 22:38791
  Reactions of H^+ in H_2 and D^+ in D_2, 22:41376
MCDANIEL, Earl W. Transport properties and reactions of slow ions in gases, 24:21585
MCDANIEL, F. E. Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
  Four-MeV experimental S.O.C.: review, 22:41896 (RHEL/M-124, pp 133-44)
  Magnet development for 50-MeV S.O.C, 22:41899 (RHEL/M-124, pp 181-98)
  Magnet development for the 50-Mev SOC, 21:992 (ORNL-P-2357)
  Magnet system for 4-MeV experimental separated orbit cyclotron, 21:29667 (ORNL-P-3092)
  Magnetically self-shaping septum for beam deflection, 25:31101
  Sector magnet for 10-50 MeV SOC, 21:29666 (ORNL-P-3091)
  The 4-Mev experimental SOC: design details, 21:993 (ORNL-P-2358)
MCDANIEL, H. Bounds on coupling constants in existence theorems for the Low equation, 24:10766
  Resonant solutions of Low equation from fixed-point theorems, 23:32697
MCDANIEL, Harlan Simm Existence and uniqueness of solutions to the Low equation, 25:7670
MCDANIEL, J. D. Low-energy electron and proton satellite instrumentation for auroral studies, 21:32430
MCDANIEL, R. H. Effects of reactor radiation on mixed 5P4E used as a lubricant in a high-speed, high-temperature bearing-rig, 22:8849
  Spectrographic studies of luminescence in charged-particle-irradiated optical materials, 23:42394 (N-69-22194)
  Test of MoS_2 lubricants in radiation and vacuum environments, 23:41753
MCDANIEL, Raymond K. Lingual thyroid: report of case, 25:16250
MCDANIEL, Robert L. Vapor pressures of some deuterated propylenes, 24:33682
MCDANIEL, Roger D. RDTRAN: machine-dependent modifications for the CDC-6600, 23:15756 (LA-4020(Suppl.1))
  RDTRAN: machine-dependent modifications for UNIVAC-1108, 23:19612 (LA-4020(Suppl.2))
MCDANIEL, Weymouth N. Nuclear reactor, 21:19436
MCDANIELS, D. K. 7416-keV 2^+ level in ^{28}Si and excited prolate rotational band, 23:39977 (RLO-1925-25)
  8543-keV 6^+ state in ^{28}Si, 24:52532
  Deadtime correction for pulsed beams, 24:48264 (RLO-1925-42)
  Deadtime correction for pulsed beams, 25:15903
  Gamma-ray spectrum of ^{99}Ru, 21:46754
  High energy gamma ray energy measurements, 21:43269
  Level (7416-keV 2^+) in ^{28}Si and an excited prolate rotational band, 24:22123
  Lifetime measurements from reaction ^{39}K(p,γ)^{40}Ca, 23:7259
  Lifetimes, energies, and branching ratios of ^{28}Si excited states, 22:44662
  Phosphorus-31(p,γ)^{32}S reaction, 23:42898
  Resonance energy and yield measurements with a Ge(Li) detector, 23:19187
  Search for an excited prolate rotational bands in ^{28}Si, 25:34034
  Search for excited prolate rotational band in ^{28}Si, 24:43186 (RLO-1925-34)
  Spectrum of the reaction ^{208}Pb(n,γ)^{209}Pb and semidirect capture theory, 25:53805
  State (8543-keV 6^+) in ^{28}Si and ground-state rotational band, 24:40576 (RLO-1925-33)
MCDANIELS, D. L. Analysis of stress-rupture and creep properties of tungsten fiber reinforced copper composites, 22:41052
MCDANIELS, David K. Germanium detectors and the Compton effect, 22:12598
MCDANIELS, John D. Jr. Control arrangement for a nuclear reactor, 22:39921
MCDEARMAN, J. R. Three-wire insulator-shunting model for high-temperature thermocouple errors, 24:19263 (TID-25366)
MCDERMOTT, K. A. Bibliography on effects of human exposure to ionizing radiation, 22:17035 (NP-17232)
  Mortality and body-weight changes in Mongolian gerbil after ^{60}Co gamma irradiation, 25:46982
  Radiomimetic effect of hydrogen peroxide on bacterial luminescence, 25:46727
MCDERMOTT, M. J. Crystal structure of anhydrous UO_2F_2, 25:10577
  Partial quenching of rare earth moment in cubic Laves intermetallic compounds, 23:30645
MCDERMOTT, M. N. Nuclear orientation of /sup 113m/Cd, ^{115}Cd, and /sup 115m/Cd, 23:25927
  Optical orientation of ^{67}Zn, 21:21500
  Spin and nuclear moments of ^{63}Zn ground state, 23:25876
  Spin and nuclear moments of 55-min ^{105}Cd and 49-min /sup 111m/Cd, 23:25918
MCDERMOTT, R. C. Harmonic generation from a superconductive thin-film bridge, 24:32773
MC DERMOTT, William Edward Time and spatially resolved spectra of exploding wires, 24:47223 (TID-25509)
  Time and spatially resolved spectra of exploding wires, 25:38409
MCDEVITT, D. G. Propranolol and the utilization of radioiodine by the human thyroid gland, 23:47932
MCDEVITT, F. R. Correlation between solar activity and brightness of Jupiter's great red spot, 22:34192
MCDEVITT, Hugh O. Antibody response to synthetic polypeptide, 24:11996
MCDEVITT, Neil T. Character of low frequency (250—40 cm^{-1}) Raman bands from organic liquids, 24:38882
MCDIARMID, D. R. Ion—acoustic waves and radio aurora, 25:1052
  Observation of auroral ionization by two separated radars, 21:43938
  Physical model of a radio aurora event, 23:46408
MCDIARMID, I. B. Asymmetries in boundary of the outer radiation zone, 22:13372
  Dawn—dusk asymmetries in outer radiation zone, 23:39382
  Dependence of high-latitude electron boundary orientation of geomagnetic axis, 23:5303
  Dependence of the position of the outer radiation zone intensity maxima on electron energy and magnetic activity, 21:43940
  Direct measurement of auroral alpha particles, 22:22056
  Electron fluxes at 1000-km altitude associated with auroral substorms, 22:22007
  Energetic-particle measurements in a pulsating aurora, 25:16950
  Evidence for a solar-wind origin of auroral ions from low-energy ion measurements, 25:27618
  High-latitude limit of closed geomagnetic field lines, 23:44301
  Latitude profiles of low-energy solar electrons, 24:39950
  Local time asymmetries near the high latitude boundary of the outer radiation zone, 22:34515
  Outer radiation zone electron acceleration mechanisms, 23:23019
  Relation of solar proton latitude profiles, 24:6435
  Rocket measurements in proton aurora, 22:1064
  Rocket observations of electron pitch-angle distributions during auroral substorms, 21:31313
  Search for low-altitude acceleration mechanisms during an auroral substorm, 22:29367
  Sounding-rocket observations of particle precipitation in a polar-cap electron aurora, 25:56031
  Structure observed in solar-particle latitude profiles, 25:11797
  Temporal behavior of energetic particle precipitation, 24:10431
MCDIARMID, Ruth Vibrational intensity progression in ethylene, 23:17444
MCDICKEN, W. N. Position sensitive Geiger counter, 21:39231
MCDILL, William H. Implantable radioisotope-fueled stirling engine, 25:54910
MCDONALD, A. Difficulty in Selleri's theory of weak interactions, 23:44634
  High-energy behavior of chiral Lagrangians and process π/sub a/ + α → π/sub b/ + π/sub c/ + β, 24:26419
  Possibility of non-octet axial-vector currents, 23:36894
  Reaction ^{22}Ne(p,t)^{20}Ne at 26.9, 35.1, and 42.4 MeV, 25:31296
  Superconvergence and algebraic realizations of chiral symmetry, 25:43661
MCDONALD, A. B. Gamma-decay properties of ^{20}Ne levels below 12 MeV, 25:34052
  Isospin-nonconserving decays in mirror nuclei, 23:17076
  Isospin-nonconserving particle decays of the lowest T = 3/2 levels in ^{17}F and ^{17}O, 24:22094
  Low-lying T = $^3/_2$ and T = 2 states in some light nuclei. I, 23:13221
  Low-lying T = 2 states of ^{16}O, 24:30708
  Lower limit on mass of ^{9}Be, 22:7636
  Lowest T = 2 states in ^{20}Ne and ^{24}Mg, 21:19208
  Stripping reactions ^{16}O(^{3}He,n) and ^{12}C(^{3}He,n), 25:9981
  Study of ^{22}Mg by the ^{20}Ne(^{3}He,n) reaction, 24:38150
  T = $^3/_2$ states in ^{21}Na as seen in the ^{20}Ne(p,p)^{20}Ne reaction, 24:6854
  T = 3/2 levels in ^{21}Na, 22:18166
  Temperature dependence of positron mean lives in metals, 21:46154
MCDONALD, A. J. G. Treatment of shield irregularities with specially developed analog computer using Monte Carlo techniques, 23:13471 (AERE-R-5773(Vol.3), pp 904-34)
MCDONALD, Arthur Bruce Excitation energies and decay properties of T = $^3/_2$ states in ^{17}O, ^{17}F, and ^{21}Na, 25:5583
MCDONALD, B. E. Solar oblateness and fluid spin-down, 22:13187
MCDONALD, B. Norval Nuclear once-through steam generator, 24:46077
MCDONALD, Curtis W. Photometric determination of Ru with 3-nitroso-2,6-pyridinediol, 25:33
MCDONALD, D. G. Harmonic generation and submillimeter wave mixing with Josephson effect, 23:51563
  High-frequency limit of the Josephson effect, 25:14200
MCDONALD, D. J. Report of a failure of a commercial x-ray diffraction shutter status system, 25:37697
MCDONALD, D. L. High temperature thermal conductivity of beryllium oxide, 21:24830 (AAEC/E-157)
MCDONALD, Daniel G. Malignant lymphoma demonstrated with ^{75}Se-selenomethionine, 24:17085
MCDONALD, Donald J. Analytical x-ray hazards, 23:31815
  Radiation safety recommendations for x-ray diffraction and spectrographic equipment, 23:16290 (MORP-68-14)
MCDONALD, E. P. ATMX-500 rail car modification, 25:57705 (MLM-1812)
  Design and performance evaluation of a large fissile source container, 25:51823
MCDONALD, Edward Harvey Plasma reactions with powdered coal, 21:9354
MCDONALD, F. Antiproton—proton annihilation into kaons and pions in the momentum region 3 to 4 GeV/c, 22:3271
MCDONALD, F. A. Complex-energy method for elastic e—H scattering above ionization threshold, 23:41918
  s-wave elastic e—H scattering above ionization threshold, 25:55860
  s-wave elastic positron—hydrogen scattering in the ionization region, 25:38149
MCDONALD, F. B. Cosmic ray electrons between 2.7 and 21.5 MeV, 23:27390 (N-69-11633)
  Cosmic-ray electrons between 2.7 and 21.5 MeV, 23:48759
  Low energy galactic cosmic rays, 22:2871
  Low-energy galactic and solar cosmic rays, 23:46317
  Method of measuring the cosmic ray charge composition between 10^{10} and 10^{14} eV, 22:40412
  Recurrent solar cosmic-ray events and solar M regions, 25:16697
  Relativistic electrons from solar flares, 23:10408
  Relativistic solar electrons detected during the July 7, 1966 proton flare event, 23:22813
  Solar proton event of August 28, 1966, 23:36428
MCDONALD, Frank B. Chemical composition of galactic and solar cosmic rays, 23:46309
  Measurement and interpretation of isotopic composition of H and He cosmic-ray nuclei, 22:36757 (N-68-10507)
  Satellite observations of solar cosmic rays, 25:27533
MCDONALD, G. E. Circulating He capsule for fuel element tests, 24:18703 (CONF-690910-, pp 197-209)
MCDONALD, Glen E. Irradiation of Mo—UO_2 fuel pin at 2700°F to 8.5 percent burnup, 25:6198

  - Very high burnup vapor transport fuel pin concept for long life nuclear reactors, 23:23988 (N-68-37209)
- MCDONALD, Guy D. Organic electrolyte battery, 23:26139 (SC-CR-69-3084)
  - Organic electrolyte battery, 22:27522 (SC-CR-67-2855)
  - Organic electrolyte battery. final report, 24:29136 (SC-CR-69-3290)
- MCDONALD, H. L. Possibility of transfer of electricity in a thermionic convertor by negative ions, 21:23042
- MCDONALD, I. R. Nuclear magnetic resonance transients in the presence of a strong radiofrequency field, 21:23277
- MCDONALD, J. Electronic monitoring of nanosecond pulses from a field emission electron source, 24:46548
  - Excited states in ^{111}Cd, 22:20613
  - Excited states in ^{113}In, 22:1674
  - Transition probabilities in ^{99}Tc, 25:23053
- MCDONALD, J. E. Adherence and porosity in ion plated gold, 21:41586
- MCDONALD, J. F. Nearest-neighbor spacing distribution for an ensemble of random matrices with a nonrandom bias, 22:46851
  - Possibility of detecting a small time-reversal-noninvariant term in the Hamiltonian of a complex system by measurements of energy-level spacings, 22:5615
  - Width distribution for a complex system whose Hamiltonian contains a small interaction that is odd under time-reversal, 23:39781
- MCDONALD, J. M. Experimental study of electromagnetic matrix elements in ^{92}Mo, 25:31372
  - Gamma-ray decay of the low-lying levels of ^{34}Cl, 25:50691
  - Molecular electronic spectroscopy of isoelectronic series. II, 24:31206 (TID-25425)
- MCDONALD, J. S. FBR modular steam generator design, 24:7164
  - FBR modular steam generator fabrication and inspection, 24:33294
  - Sodium heated steam generators, 23:11264 (CONF-680419-, pp 354-402)
  - Sodium-heated modular steam generator design and development, 25:39281 (CONF-710315-2)
- MCDONALD, John 93.54 keV level in ^{91}Sr, 24:26659
- MCDONALD, K. Microdetermination of fluorine in high-purity tungsten metal by photoactivation analysis, 25:4043 (GA-10125)
- MCDONALD, K. T. Wire orbit ray tracing of magnets, 24:6788
- MCDONALD, Keith L. Analysis of earth's magnetic field from 1835 to 1965, 22:7206 (NP-17139)
  - Geomagnetism, topology of vector fields, Maxwell-Boltzmann differential equation, motion of core fluid, dynamo action in tenuous fluids, 21:2337 (NP-16362)
  - Monthly means of the geomagnetic field, 24:51561
- MCDONALD, Keith Leon Cosmic hydromagnetic dynamo theory, 24:49058 (AD-703182)
- MCDONALD, L. J. Alpha-particle model of ^{12}C and ^{16}O, 24:52452
  - Elastic form factor of ^{16}O, 24:40720
  - Inelastic photopion production with excitation of giant resonance analogs, 24:52435
- MCDONALD, L. W. Interaction of radiation and other environmental stresses in biological systems, 21:43533
- MCDONALD, Larry W. Delayed radionecrosis of the central nervous system, 23:8022 (UCRL-18066, pp 173-92)
  - Effect of high-energy particle irradiation on the vestibular mechanism in rabbits, 22:12936
  - Role of capillaries in the pathogenesis of delayed radionecrosis of brain, 21:45814
  - Role of capillaries in the pathogenesis of delayed radionecrosis of brain, 22:23598 (UCRL-17481, pp 154-70)
- MCDONALD, Lawrence J. Inelastic photopion production, 24:11029
- MCDONALD, Lawrence Joseph Equivalent potentials for pion—alpha scattering, 25:20253
- MCDONALD, Martha W. Hyperthyroidism, 22:25974
- MCDONALD, N. Coulomb excitation via the giant dipole resonance in spherical nuclei, 21:25585
- MCDONALD, N. R. Effect of strain rate, environment, and surface condition on the modulus of rupture of beryllia, 21:20565
  - Prospects for high strength zirconium alloys, 25:40011 (CONF-710513-1)
- MCDONALD, P. F. Space radiation shielding with the magnetic field of a cylindrical solenoid, 21:15212 (N-66-39691)
- MCDONALD, P. T. Chromosomal translocations and genetic control of Aedes aegypti, 25:29753
  - Correlation of linkage groups with chromosomes in the mosquito, Aedes aegypti, 25:26694
  - Cytogenetics of two radiation-induced, sex-linked translocations in the yellow-fever mosquito, Aedes aegypti, 25:26719
- MCDONALD, P. W. Parametric study of sheath—boundary interactions, 23:12827
- MCDONALD, Perry F. Effect of the ring current on the distribution of unbound particles in the magnetosphere, 21:24978 (N-67-12234)
- MCDONALD, Peter Wendell Theory of the cylindrical Langmuir probe in a flowing collisionless plasma, 23:5391
- MCDONALD, R. D. Effects of uranium on stress corrosion cracking of steels in nitrate, 22:45753
  - Some physiological effects of air ion treatment without ion inhalation, 21:24559
  - Some physiological effects of measured air ions, 21:26576
- MCDONALD, R. E. Angular correlation ^{18}O(t,p$_1\gamma$)^{20}O, 24:38115
  - Angular-correlation study of ^{23}Na, 24:52509
  - Application of chemical vapor deposition to the production of tungsten tubing, 22:6968
  - Beta decay of ^{24}Ne, 23:42892
  - Beta decay of ^{25}Na and ^{25}Al, 24:38165
  - Decay of ^{39}Ca, 22:37336
  - Doppler-shift measurements of lifetimes of low-lying levels in ^{23}Na, 24:1807
  - Enhanced heat-transfer tubes for horizontal condensers with possible applications in nuclear power plant design, 21:6138
  - Extrusion of refractory metals for isotope fuel capsules, 24:32364
  - Floating-mandrel extrusion of tungsten and tungsten-alloy tubing, 22:15185 (ORNL-4210)
  - High-purity shape casting with an electron-beam furnace, 21:30981 (ORNL-P-3133)
  - High-purity shape casting with an electron-beam furnace, 21:45870 (ORNL-TM-1935)
  - Levels of ^{29}Si below 4.1-MeV excitation energy, 21:31755
  - Lifetime of the ^{21}F 0.28-MeV level, 21:19222
  - Lifetimes of excited states in ^{40}Ca, 23:42890
  - Low-lying excited states of ^{25}Al. III, 25:28267
  - Low-lying levels in ^{23}Na, 24:30732
  - Method for producing tube shells, 21:26780
  - Method of preparing oxides for neutronic reactor control, 21:9218
  - Neon-22(t,pγ)^{24}Ne angular correlation study, 23:15387
  - Production of CVD W tubing, 21:32845 (ORNL-P-3102)
  - Production of refractory-metal tube shells by extrusion and flow-turning techniques, 21:9106
  - Protective cladding and lubricant for mechanically deformable reactive metals, 23:14299
  - Radiative decay of the 1.472-MeV state of ^{19}O, 25:50656
  - Some properties of states at 1.346, 1.459, and 1.554 MeV in ^{19}F, 24:6837
  - Some recent studies of nuclear structure using triton-induced reactions, 22:26992
  - Sources of contamination during electron-beam melting, 22:36442 (ORNL-TM-2208)
  - Spin assignments of ^{12}B 0.95-, 1.67-, and 2.62-MeV levels, 22:20490
  - Study of the ^{33}Cl(β^+)^{33}S decay, 25:7834
  - Study of the γ-emitting levels in ^{18}O, 22:20476
  - Study of the low-lying excited states of ^{25}Al. II, 24:15854
- MCDONALD, R. L. Adducts of uranyl carboxylates, 23:19719
  - Spectra of uranyl nitrate adducts with organophosphorus and organonitrogen ligands, 23:175
- MCDONALD, Robert A. New normal ranges for the radioiodine uptake study, 24:44409
- MCDONALD, Robert E. Method for extruding molybdenum and tungsten, 22:2605
- MCDONALD, Robert L. Special aerial photography near Nevada test site, 25:284 (AD-709735)
- MCDONALD, S. C. Hyperplane helicity states, 23:39633
  - Relative position representation for a relativistic two-particle system, 25:1645
  - Wave equations on a hyperplane, 22:44480
- MCDONALD, S. G. Void formation in proton and nickel irradiated type 304 stainless steel, 25:49486 (CONF-710601-10)
- MCDONALD, Stanley Clifton Hyperplane formalism and application to theory of elementary particles, 24:18103
  - Hyperplane formalism and its application to the theory of elementary particles, 23:44682 (IS-T-303)
- MCDONALD, T. P. Acute radiotoxicity of ^{144}Ce—^{144}Pr after intravenous administration to sheep, 23:35625
  - Effect of hypoxia, irradiation, and bone marrow transplantation on erythropoietin levels in mice, 24:25396
  - Effect of radiation, erythropoietin, and actinomycin D on rabbit bone marrow cells, 23:29721
  - Mode of action of erythropoietin in polycythemic mice. III, 25:16343
  - Prog. rpt. on role and utilization of erythropoietin in stimulating erythropoiesis, 2/7/68, 22:23413 (ORO-3547-6)
  - Studies on the functional activity of human serum alpha-2 macroglobulin, 24:31841 (ORNL-4558, pp 33-4)
- MCDONALD, W. B. Preliminary study of a molten-salt burst reactor, 22:39882 (ORNL-TM-2282)
  - Summary of molten-salt breeder reactor design studies, 22:24935 (CONF-660524-, pp 41-63)
- MCDONALD, W. J. Constant fraction of pulse height trigger for optimum time resolution, 21:45482
  - Design of the constant fraction of pulse height trigger for optimum time resolution, 22:10644
  - Detector for neutron time-of-flight experiments, 24:29532
  - Double-stripping study of ^{16}O structure, 24:38105
  - Double-stripping study of ^{16}O structure, 25:50637 (UAE-NPL-1009)
  - Electric dissociation of H$^-$ ions by magnetic fields, 24:3820
  - Electric dissociation of H$^-$ions by magnetic fields, 23:49245 (TRI-69-1)
  - Energy levels of ^{45}Sc, 22:41984
  - Fast zero-crossing discriminator for time pickoff with pulsed beams, 22:408
  - Levels in ^{35}Cl populated by ^{34}S(d,n)^{35}Cl, 24:6880
  - Proton-pair transfer reactions, 24:43164
  - Reaction ^{20}Ne(d,n)^{21}Na, 22:53142
  - Reaction ^{40}Ca(d,n)^{41}Sc, 23:44879
  - Reaction ^{42}Ca(d,n)^{43}Sc at E/sub d/ = 5.15 MeV, 22:26964
  - Reaction ^{44}Ca(d,n)^{45}Sc at E/sub d/ = 5.5 and 6.0 MeV, 22:29971
  - Reaction mechanism of the ^{16}O + d reactions, 25:20301
  - Time resolution studies on large photomultipliers, 21:39299
- MCDONALD, W. S. Crystal structure of tetraethylammonium octathiocyanato-n-uranate(IV), $[(C_2H_5)_4N]_4[U(NCS)_8]$, 25:51430
- MCDONALD, W. W. Low-lying levels of ^{208}Pb, 23:52156
- MCDONALD E. P. ATMX-500 railroad car radioactive waste container, 25:48828 (CONF-710801-(Vol.1), pp 380-98)
- MCDONELL, W. R. Effect of alloying additions on anisotropic growth of uranium, 23:14376
  - Interaction of curium sesquioxide with refractory metal matrices in pressed and sintered cermet compacts, 24:48887 (DP-MS-70-10)
  - Interactions of curium sesquioxide with refractory metal cermet matrices, 24:32415
  - Irradiation behavior of uranium fuel tubes in a pressurized heavy-water reactor, 21:22900
  - Swelling resistance of uranium alloys at high irradiation exposures, 25:40077
  - Temperature/exposure thresholds for cavitational swelling of dilute U alloys, 23:14375
- MCDONELL, William R. Cobalt—rhenium energy source, 25:335
- MCDONNELL, C. Experimental evaluation of roof reduction factors, 21:14404 (PSDC-TR-16)
  - Radiation distribution within a multistory structure, 23:1501 (AD-671888)
- MCDONNELL, C. H. Evaluation of roof reduction factors within multi-story structure, 22:34728 (AD-661091)
- MCDONNELL, G. Effects of radiation on municipal and industrial wastewaters, 23:50960
- MCDONNELL, J. A. M. Switched linear acceleration technique for microparticles, 25:20183
- MCDONNELL, John J. Aliphatic semidiones. XV. 2,3-semidiones derived from the bicyclo[n,1.0]alkanes, 25:26254
- MCDONNELL, Michael Direct measurement of decay energy of ^{85}Sr from inner bremsstrahlung spectrum and Bahcall exchange correction, 23:23650
  - K-x-ray—γ-ray directional correlation in decay of ^{133}Ba, 22:42024
  - Redetermination of decay energy of ^{133}Ba, 22:27113
- MCDONNELL, W. R. Preparation of industrial ^{252}Cf neutron sources at Savannah River Laboratory, 25:50600 (CONF-710402-(Vol.2), pp I.72-83)
- MCDONOUGH, J. W. Solar cosmic radiation and magnetospheric studies during 1967—1968, 23:20764
  - Solar cosmic-ray observations during 1969, 25:9260
- MCDOUGAL, J. R. Compatibility of ^{238}Pu dioxide with platinum and platinum—rhodium alloys, 25:2663 (MLM-1684)
  - Compatibility of ^{238}PuO$_2$ with various refractory metals and alloys, 25:6854 (MLM-1706)
  - Electron beam welding study on U—Nb—Zr alloy, 25:11377 (MLM-1778)
- MCDOUGALL, Barbara M. Movement of ^{14}C-photosynthate into wheat seedlings and exudation from roots, 24:25376
- MCDOUGALL, D. J. Conference on thermoluminescence of geological materials, Spoleto, Italy, 9/66, 22:30704
- MCDOUGALL, David J. Comment on quartz as a dosimeter, 25:32277
- MCDOUGALL, F. H. Design of surface type gamma-ray backscatter soil density gauges, 25:51931
  - Evaluation of surface type gamma-ray backscatter soil density gauges, 25:51930
  - Minimizing errors in gamma-ray backscatter density gages: existing gages and new design concepts, 25:13316
  - Studies of the surface type gamma-ray backscatter soil density gauges, 25:51929
- MCDOUGALL, I. R. Thyroid carcinoma following ^{131}I therapy. Report of a case and review of the literature, 25:55343
- MCDOUGALL, Patricia Taylor Control of pseudomonas aeruginosa in an experimental mouse colony, 21:43462
- MCDOUGALL, R. Moving strip irradiation in chest, 24:21165
- MCDOUGALL, R. S. Electron beam instability and isodose asymmetry associated with 35 MeV medical betatron, 21:42490
  - Thermoluminescent dosimetry of aluminum oxide, 24:44335
- MCDOW, A. E. Jr. Computer interfacing of densitometer film reader for measuring size of radioactive colloid particles, 24:25333
- MCDOWELL, A. A. Early behavioral effects of whole-body exposure to x rays, 21:8978
  - Fearfulness in the control and irradiated rat, 22:10862
  - Reply to criticism by Smith and Dimond, 23:48211
  - Running wheel activity of rats tested under varying conditions of food deprivation, 23:33823 (AD-681074)
  - State of food deprivation as a factor in radiation mortality of rats, 21:11016
  - Transfer by normal and chronic focal-head irradiated monkeys of a single learned discrimination, 23:33821 (AD-681069)
  - Visual acuity performance of normal and chronic irradiated monkeys, 23:35866 (AD-681072)
  - Visual acuity performance of normal and chronic focal-head irradiated monkeys, 23:35865 (AD-681070)
- MCDOWELL, Arnold A. Some effects of macrofractionated gamma ray irradiation upon the rhesus primate, 21:20369
- MCDOWELL, Blake X-ray analysis of stress in thin gold films, 21:32864 (ORO-2430-38)
- MCDOWELL, C. A. Electron paramagnetic resonance of x-ray-irradiated single crystals of K cobalticyanide, $K_3Co(CN)_6$, 23:261
  - Electron paramagnetic-resonance and electron-nuclear double-resonance observations of domains in the irradiated ferroelectrics KH_2AsO_4 and KD_2AsO_4, 24:47307
  - Electron spin resonance of x-ray irradiated single crystals of ammonium paramolybdate tetrahydrate, 23:2343
  - Hydrogen bonding of $(AsO_4)^{4-}$ center in x-ray irradiated KH_2AsO_4, 24:1472
  - Ionization potentials of methyl cyanide and methyl acetylene, 24:16508
  - Observation of electron-nuclear triplet resonance for the AsO_4^{4-} centre in x-ray irradiated single crystals of KH_2AsO_4, 25:132
  - Photoelectron kinetic-energy analysis in gases by means of a spherical analyzer, 21:18434

Photoelectron spectra of ethylene and ethylene-d_4, 24:22657
Vibrational constants of the ground states of H_3^+, HD_2^+, and D_3^+, 24:33685
MCDOWELL, C. Blake Strain distributions in thin gold films, 24:22548 (ORO-2430-50)
MCDOWELL, J. D. Comprehensive calculation of ionization potentials and binding energies for multiply-charged ions, 24:39821 (ORNL-4562)
Comprehensive calculation of ionization potentials for multiply-charged ions from Z = 104 to 126, 25:47325 (ORNL-4721)
Prog. rpt. on magnetic flux flow and superconductor stabilization, 10-12/68, 23:23025 (ORNL-TM-2534)
Programming techniques for PDP-8/I computer, 25:2501 (CONF-700322-, pp 105-11)
MCDOWELL, L. L. Radiocarbon chronology of Florida everglades peat, 24:2303
MCDOWELL, M. R. C. A quark albedo, 21:20760
Application of polarized-orbital approximation to electron excitation of H, 24:23790
Born cross sections for ionization of He and Li^+ by electron impact, 24:23791
Case studies in atomic collision physics. I, 24:21584
Classical model for electron and proton impact ionization, 22:17363
Closure approximation for excitation of atomic hydrogen by proton impact, 24:17675
Continuous absorption by members of Li isoelectronic sequence, 23:20593
Elastic scattering of Li^+ by He, 24:35180
Elastic scattering of slow electrons by two-electron ions, 22:38724 (N-68-19386)
Elastic scattering of slow electrons by two-electron ions, 22:50041
Electron capture by fast protons in He and H_2, 25:55837
Introduction to the theory of ion—atom collisions, 25:47334
Peaking approximation in scattering theory, 23:12563
Phase-shift analysis of electron—helium scattering. I, 24:5001
Photoionization and ionization of the alkali metals, 24:21586
Proton impact excitation of H(2s), 22:29261
Proton impact excitation of the n ^1D states of He, 21:7028
MCDOWELL, Richard B. Diagnostic x-ray problem in U. S, 24:34355 (CONF-690335, pp 39-43)
Results of 33,911 x-ray protection surveys of facilities with medical or dental diagnostic x-ray equipment, fiscal years 1961—1968, 25:13464
MCDOWELL, Richard E. Evaluation of different scintillation cocktails for counting of tritiated ribonucleic acid separated by sucrose gradient centrifugation, 25:39438
MCDOWELL, Robin S. Determination of ^{13}C by infrared spectrophotometry of carbon monoxide, 24:43956
Infrared bands (τ_3) of $^{12}CH_4$ and $^{13}CH_4$, 21:5888
Vibration rotation bands of C_2T_2. I. τ_3, 21:27964
Vibrational spectrum and force field of osmium tetroxide, 25:26258
MCDOWELL, S. C. T. INMM standards committee report, 21:15824
MCDOWELL, W. J. Computer methods of calculating sulfuric acid activity, sulfate ion concentration, and ionic strength of sodium sulfate—sulfuric acid solutions, 23:47361 (ORNL-4407)
Computer program for calculating the fractional distribution of trivalent actinide species in sodium sulfate—sulfuric acid solutions, 25:31939 (ORNL-4648)
Dielectric constants and refractive indices of solutions of some organophosphorus compounds in n-octane, 21:30399 (ORNL-TM-1893)
Interface mechanism for uranium extraction by amine sulphate, 21:32259
Sodium and Sr extraction from Na nitrate solutions by n-octane solutions of branched aliphatic monocarboxylic acid, 23:21791
Synergistic and solvent effects in extraction of Sr and Na by di(2-ethylhexyl) phosphate, 22:35899
MCDOWELL, W. P. Time-mode operation of Moessbauer spectrometer, 24:29563
MCDOWELL, William P. Trip circuit for reactor safety systems, 21:2898
MCDUFFEE, W. T. Campaign to process four prototype HFIR targets in transuranium processing plant, 22:23101 (ORNL-TM-1938)
Molten-Salt Fluoride Volatility Pilot Plant: equipment performance during processing of aluminum-clad fuel elements, 22:40292 (ORNL-4251)
Molten-salt fluoride volatility pilot plant: recovery of enriched uranium from aluminum-clad fuel elements, 25:34693 (ORNL-4574)
Preparation of multigram quantities of ^{242}Cr for SNAP-11, 23:24255
Recovery of multigram quantities of ^{243}Cm and ^{244}Cm in Curium Recovery Facility, 24:9346 (ORNL-4241)
Sol-Gel process, 23:35279
Sol-gel processes for PuO_2 and UO_2—PuO_2, 24:30004 (CONF-700502-, pp 100-12)
MCDUFFIE, Bruce Twin-electrode thin-layer electrochemistry, 21:3022
MCDUFFIE, H. F. Assesment of molten salts as intermediate coolants for LMFBR's, 24:4051 (ORNL-TM-2696)
Processing of ThO_2 and UO_2 sol—gel materials, 22:33295 (ORNL-TM-1809)
Separation of rare earths from molten fluoride compositions with UF_4, 22:23126
Tests of various particle filters for removal of oil mists and hydrocarbon vapor, 21:2829 (ORNL-TM-1623)
MCDUFFIE, W. T. Current practices in the disposal of radioactive wastes from fuel-fabrication facilities, 21:39169
MCEACHERN, A. D. Process for finish machining reactor pressure tubes, 23:21479 (AECL-3252)
MCEACHERN, D. W. Current practice in high-temperature gas-cooled reactor core design, 25:41392
MCEACHERN, Donald W. Laminar—nonlaminar transition for non-Newtonian flow in annuli, 21:28152 (LA-DC-8679)
MCEACHERN, P. Trace concentrations of uranium in air in New York State, 25:39435
MCEACHERN, Peter Uranium concentrations in surface air at rural and urban localities within New York State, 25:49202
MCEACHRAN, R. P. Analytical orbital wave functions for the two-electron atom, 24:23751
Approximate molecular orbitals. III, 21:33193
Elastic scattering of positrons by hydrogen molecules, 25:19501
Excitation of the He S levels by H impact, 24:45019
Frozen core approximation for atoms and atomic ions, 23:10442
Ionization energies and oscillator strengths for Fe XVI, Co XVII, and Ni XVIII, 24:10329
James wave function for the ground state of H_2^+, 25:55829
Oscillator strengths for helium, 24:17634
Relativistic theory of H_2^+, 23:20669
Second-order perturbation treatment of ground state of H_2^+, 24:19737
Singlet S states of helium isoelectronic sequence, 22:9092
Triplet S states of helium isoelectronic sequence, 22:9016
Variational lower bound to the overlap for excited states, 25:49759
MCEDWARDS, J. A. Piqua Nuclear Power Facility core unloading and inspection, 21:7955
Piqua Nuclear Power Facility core unloading and inspection, 21:40546 (CONF-661001-54)
MCELANEY, James H. Effects of high-energy particle environment on quantum efficiency of spectrally selective photocathodes, 22:48154 (N-68-24731)
Effects of high-energy particle on quantum efficiency of photocathodes, 22:51293
MCELFRESH, A. J. Coolant blowdown studies of a reactor simulator vessel containing a perforated sieve plate separator, 25:26001 (BNWL-1463)
Experimental high enthalpy water blowdown from a simple vessel through a bottom outlet, 24:44185 (BNWL-1411)
High-enthalpy-water blowdown tests from a simple vessel through a side outlet, 25:23306 (BNWL-1470)
MCELHANEY, Daniel M. Jr. Apparatus for producing a collimated beam of radioactive rays, 24:16749
MCELHANEY, W. J. Processing of refractory metals at high temperatures, 23:27042
MCELHONE, Donald Hughes Estimation of the mean of skewed distributions using systematic statistics, 25:1998 (IS-2205)
MCELIGOT, D. M. Calculation of heat transfer to gases flowing in a circular tube with arbitrary wall heat flux distributions, 24:365 (LA-4154)
Method for solving boundary layer equations for gas flow in circular tubes with heat transfer and property variations, 24:364 (LA-4149)
Prediction of tube wall temperatures, 23:33326
Quasi-developed turbulent pipe flow with heat transfer, 25:8420
Turbulent flow of gases in tubes, 22:12525
Turbulent thermal entry with gas-transport property variation, 22:5942
MCELLISTREM, M. T. Beta decay of ^{12}B, 24:13299
Cross sections of ^{35} $^{37}Cl(n,n'\gamma)$ reactions, 21:2659
Differential cross sections of the ^{39} $^{41}K(n,n'\gamma)$ reactions, 22:20556
Gamma rays from neutron inelastic scattering, 24:27394
Levels of ^{51}V and ^{55}Mn via $(n,n'\gamma)$ reactions, 22:7673
Levels of ^{55}Mn, 24:40596
Levels of ^{69}Ga and ^{71}Ga via the $(n,n'\gamma)$ reactions, 23:30987
Mixed-configuration shell-model calculations for nuclei with N = 28, 20 < Z less than or equal to 28, 25:1779
Proton-induced reactions on ^{40}Ar and analogs of ^{41}Ar levels, 22:44660
Reactions $^{27}Al(n,n'\gamma)$ and the 3002-keV level, 22:42005
Threshold effects in $^{40}Ar(d,p)^{41}Ar$ reaction, 24:3900
MCELROY, D. L. Electrical resistivity anomaly in nickel-base alloys, 23:8200
Measurement and correlation of thermal resistances of UN—metal interfaces, 25:37947 (ORNL-4660)
Physical properties, 21:13260 (ORNL-3970, pp 36-41)
Physical properties, 22:8731 (ORNL-4170, pp 37-41)
Physical properties, 23:8162 (ORNL-4370, pp 35-8)
Physical properties, 24:2943 (ORNL-4470, pp 30-3)
Pulse calorimetry using a digital voltmeter for transient data acquistion, 23:17306 (ORNL-4380)
Room temperature measurements of electrical resistivity and thermal conductivity of various graphites, 25:44283 (ORNL-TM-3477)
Thermal conductivity measurements on MgO, BeO, ThO_2, Th/sub x/U/sub 1-x/O/sub 2+y/, 21:31088 (ORNL-4121)
Thermal conductivity of nearly stoichiometric single-crystal and polycrystalline UO_2, 25:24641
Thermal conductivity of UO_2 at very high temperature gradients, 22:28935
Thermal transport properties of limestone concrete, 23:46154 (ORNL-TM-2644)
MCELROY, J. Electromagnetic proton form factors at squared four-momentum transfers between 1 and 3 $(GeV/c)^2$, 25:1366 (DESY-70/42)
Electroproduction of pions near the Δ(1236) isobar and the form factor G*/sub M/(q^2) of the (γNΔ)-vertex, 23:5513
Electroproduction of pions near the Δ(1236) isobar, 23:18780 (DESY-68/53)
Inelastic electron—proton scattering in the region of the Δ (1236) resonance, 25:43527 (DESY-71/21)
Transverse and longitudinal cross sections for electroproduction of pions near Δ(1236)-isobar, 22:50274 (DESY-68/42)
Transverse and longitudinal cross sections for electroproduction of pions near the Δ(1236)-isobar, 23:1581
MCELROY, J. L. Design verification testing of waste solidification processes, 21:10580 (CONF-660208-, pp 513-25)
High-temperature testing and evaluation of graphite helical-screw expanders and compressors, 21:30601
Pot calcination performance during first radioactive tests in waste solidification engineering prototypes. IV, 23:11595 (BNWL-814)
Summary report on analysis of semi-fluid condition in PG-6 phosphate glass solids container, 25:57702 (BNWL-B-112)
Waste solidification program. V, 24:13993 (BNWL-1185)
Waste solidification program. VIII, 25:48567 (BNWL-1583)
Waste solidification program. Volume 6. Spray solidification performance during first radioactive tests in Waste Solidification Engineering Prototypes, 24:50443 (BNWL-1391)
Waste solidification program. Volume 7. phosphate glass solidification performance during final radioactive tests in waste solidification engineering prototypes, 25:23752 (BNWL-1541)
MCELROY, J. M. Charge form factor of proton at momentum transfer of 75 F^{-2}, 21:31515 (DESY-67/18)
Charge form factor of the proton at a momentum transfer of 75 fm^{-2}, 21:42240
Magnetic spectrometer for high energy electron scattering experiments, 21:36456
Magnetic spectrometer for high-energy electron scattering experiments, 21:28205 (DESY-67/10)
Scattering of positrons and electrons from protons, 21:37656 (DESY-67/22)
Scattering of positrons and electrons from protons, 21:42241
MCELROY, Jack L. Status of the waste solidification demonstration program, 25:41905
Status of Waste Solidification Demonstration Program, 25:4276
MCELROY, James Outgassing of commercial W sheet in vacuum, 21:43591 (UCID-15205)
MCELROY, M. B. Diurnal variation of ionospheric temperatures, 22:17524
Effect of oxygen cooling on ionospheric electron temperatures, 23:6932
Electron impact excitation of the dayglow, 24:1332
F2-layer at middle latitudes, 24:51518
Measurements and interpretation of low-energy photoelectrons, 22:36840
Modification of Martian ionosphere by the solar wind, 24:6340
Production and diffusion of nitric oxide, 24:45103
Production and escape of H on Mars, 25:7122
MCELROY, Michael B. Atomic nitrogen ions in the upper atmosphere, 21:33265
Excitation processes for Martian dayglow, 25:7123
Ionization processes in the atmospheres of Venus and Mars, 25:4936
Metastable $O_2(^1\Delta)$ as a major source of ions in the D region, 22:22046
Models for nighttime Venus ionosphere, 23:16624
Ratio of deuterium to H in Venus atmosphere, 23:22866
Twilight effects of solar ionizing radiation, 21:5202
Upper atmosphere of Venus, 22:17211
MCELROY, W. D. Prog. rpt. on bioluminescence and energy transfer mechanisms, annual, 22:6715 (NYO-2514-9)
Prog. rpt. on physical and biological oceanography of a luminous bay, annual, 8/1/67—7/1/68, 23:2804 (NYO-3480-10)
MCELROY, W. N. Activation foil spectrometry: energies less than 14 MeV, 24:31732
Analysis of swelling data for stainless steel based on the Lindhard theory of energy partition, 25:37982 (HEDL-SA-159)
Comparison of multiple foil and time-of-flight neutron flux spectra in a bare ^{235}U assembly, 24:7221
Damage functions and data correlation, 23:36149
Damage functions and data correlation, 24:2974
Damage functions for 304 stainless steel, 24:32479
Damage-function analysis of neutron-energy and spectrum effects upon the radiation embrittlement of steels, 24:2969 (AD-692072)
EBR-II dosimetry test data analysis (reactor runs 31E and 31F), 24:36001 (BNWL-1402)
Evaluated reference cross section library, 24:38057 (BNWL-1312)
Fission-averaged cross-section measurements, 23:21344
Helium production cross sections for elements irradiated in EBR-II, 24:33123
Helium production in stainless steel and its constituents as related to LMFBR development programs, 25:35503 (HEDL-SA-193)
Implication of recent fission averaged cross section measurements, 23:15330 (BNWL-SA-1794)
Measurement of neutron flux spectra by a multiple-foil activation iterative method and comparison with reactor physics calculations and spectrometer measurements, 22:4434
Measurement of neutron flux spectra, 23:19560
Method for neutron flux spectra determination by foil activation. IV, 24:16829 (AD-821616)
Method for neutron flux spectra determination by foil activation. I, 24:16828 (AD-820556)
Method for neutron flux spectra determination by foil activation. II, 24:16830 (AD-821617)
Neutron differential cross-section evaluation by a multiple foil activation iterative method, 23:5858

  - Neutron dosimetry for fast reactor applications, 25:44102
  - Neutron dosimetry for fast-reactor irradiation and surveillance testing, 22:30298 (BNWL-SA-1488)
  - Neutron dosimetry studies in EBR-II, 24:7088
  - Neutron energy dependent cross section evaluation by a multiple foil activation method, 25:36741 (WHAN-SA-107)
  - Neutron energy-dependent damage function for analysis of austenitic steel creep data, 25:16554
  - Neutron-energy and spectrum effects upon radiation embrittlement of steels, 24:14844
  - Radiation embrittlement of steels, 24:17328 (CONF-690910-, pp 491-505)
  - Selection of fission yields, 25:5973
  - Yield strength and creep strain estimates for irradiated stainless steel, 25:4820
- MCELROY, William Nordell Generalized foil-activation method of determining neutron flux—spectra for radiation effects studies, 21:19958
- MCELWAIN, D. L. S. Nonexistence of 1sns autoionizing states of H$^-$, 23:32190
- MCELWEE, Carl D. Theory of hyperfine ESR linewidth in a linear chain Cu(NH$_3$)$_4$SO$_4$.H$_2$O, 24:43877 (COO-1488-19)
- MCENHILL, J. J. VIPER core, 24:11236 (CONF-690102-, pp 125-37)
- MCENNAN, James Regge poles and S-matrix theory of Lamb shift, 23:36886
  - Self-consistent dispersion-theoretic electron—positron scattering amplitude, 25:33602
- MCENTEE, J. R. Unique aspects of the San Onofre nuclear plant, 22:16216
- MCENTEE, T. E. Jr. Mass spectra of bis-1,3-dithiolanes and bis-1,3-dithianes, 23:188
- MCENTIRE, R. W. Electron echo experiment, 25:35966
- MCEVER, W. Multi-exit channel study of analog resonances in ^{51}V + p, 23:25850 (CONF-690310-4)
- MCEVER, W. S. Analyzer for polarization of ^{3}He particles, 24:28691
  - Polarization of ^{3}He scattered from ^{12}C, 24:28710
  - Polarization of ^{3}He scattered from ^{9}Be, ^{12}C, and ^{16}O at 18 and 20 MeV, 25:53634
  - Production of K x rays in Ca, Ti, and Ni by 2- to 28 MeV protons, 24:21580
- MCEVILY, A. J. Jr. Fracture of structural materials, 22:4791
- MCEVOY, Arthur Rapid and simplified method for liquid scintillation counting of radioactive proteins utilizing aquasol, 25:31843
- MCEVOY, J. P. Effect of uniaxial stress on T/sub c/ of monocrystalline Nb$_3$Sn, 25:25028
  - Nucleation of superconductivity in Ta, 23:14719
  - Prog. rpt. on transition temperatures in superconductors, 6/11—9/10/68, 24:28173 (N-69-25304)
  - Supercooling of superconductors below the surface nucleation field, 21:39970
- MCEWAN, A. C. Approximation for estimating Compton scatter from a cuboid phantom, 24:11851
  - Dose measurements in oesophagus in ^{60}Co rotation therapy, 25:44876
  - Observations on 150 recent radiation surveys in dental surgeries, 22:40683
  - Radiation doses in the handling of short-lived radionuclides, 23:33714
  - Relative importance of leakage and scatter in megavoltage installation design, 24:4624
- MCEWAN, W. S. Carbon compounds in Apollo 11 lunar samples, 24:25946
- MCEWEN, Bruce S. Combustion analysis of gels, 23:13664
- MCEWEN, D. J. Alouette 1 and 2 observations of abrupt changes in whistler rate and of vlf noise variations at plasmapause, 22:29331
- MCEWEN, J. Comparison of the calculated and observed resonances in the e—H elastic-scattering channel above 10.0 eV, 23:34278
- MCEWEN, J. B. Clinical trial of radiotherapy and high pressure oxygen, 21:34685
  - Megavoltage radiotherapy in hyperbaric oxygen, 21:26480
- MCEWEN, J. G. 63-MeV deuteron scattering on C, Al, and H, 21:38220
  - Detection efficiency of plastic scintillation counters for neutrons in the energy range 20 to 130 MeV, 21:10654
  - Enhancement in I = 0 $\pi^+\pi^-$ system at 1085 MeV, 22:17867 (RPP/H-33)
  - Measurement and analysis of spark chamber tracks with a Vidicon scanning system, 21:3288
  - Observation of enhancement in I = 0 $\pi^+\pi^-$ system at 1085 MeV, 22:15685
  - Optimum design of thin large area scintillation counters, 21:3260
- MCEWEN, K. A. Magnetic properties of single crystals of Eu, Nd, Pr, 25:47638
- MCEWEN, L. H. Contribution of EVESR operation to fast steam cooled reactor development, 22:16184
- MCFADDEN, Fred R. Development of rapid shutdown techniques for critical industries, 21:24124 (AD-643573)
- MCFADDEN, J. Operating experience with a modular digital data system for high energy physics, 24:16885 (PPAD-671-E)
  - Operating experience with a modular digital data system for high energy physics, 24:39357
- MCFADDEN, J. H. Analytical model describing the behavior of fission products in operating fuel pins, 25:46341 (IN-1467)
  - Distribution of solid fission products in UO$_2$, 25:31589 (CONF-710302-5)
  - Release of noble gases from UO$_2$ fuel rods, 24:5571 (IN-1346)
- MCFADDEN, J. T. Automatic target cycling system for total cross section measurements, 25:28115 (PURC-4159-17)
- MCFADDEN, James Hugh Solution of the space—time dependent neutron kinetics equations for a reflected slab reactor, 23:34942
- MCFADDEN, R. Associated particle time of flight system using a position sensitive detector, 25:44660
- MCFADYEN, D. Plasma protein synthesis following neutron irradiation, 22:6752
- MCFADYEN, D. M. Lysosome activity in radiation induced intestinal injury, 22:49558
- MCFADYEN, J. Decay $\Sigma^{+-} \rightarrow \Lambda e^{+-}\nu$, 23:21045
- MCFADYEN, John Harold Study of the lambda leptonic decay of the sigma hyperon, 24:35614
- MCFALL, Albert Detection of fuel element sheathing failures in nuclear reactors, 23:43122
  - Improvements relating to nuclear reactors, 23:4483
  - Improvements relating to the detection of fuel element sheathing failures in nuclear reactors, 22:25185
- MCFARLAIN, Robert A. Behavioral deficits as a result of repetitive exposure to whole-body x-irradiation, 23:16392
- MCFARLAND, Andrew R. Air ejector filter sampler: collector of radioactive stratospheric debris, 21:8464
- MCFARLAND, C. E. Method of making a ^{90}Sr radiation source, 23:16048
- MCFARLAND, Dan R. Medulloblastoma, 23:29678
- MCFARLAND, Donard R. Design of 20-megawatt linear plasma accelerator facility, 25:47575 (N-71-15819)
- MCFARLAND, J. Davis—Besse Nuclear Power Station, 25:18040
- MCFARLAND, M. Rate constants for reaction of O$^+$ with NO, N$_2$O, and NO$_2$, 25:40473
- MCFARLAND, Robert H. Crossed-beam measurement of the electron-impact polarization of He 4922 A optical radiation, 21:22983
  - Electron ionization of atoms with emphasis on crossed beam method, 22:43861 (UCRL-71195)
  - Electron-impact ionization measurements of surface-ionizable atoms, 21:33155
  - Electron-induced polarized optical radiation near threshold, 22:41323
  - Excited-state population ratios of atomic H by neutralization of energetic proton beams, 25:7185
  - Measurements of excited state population ratios of atomic hydrogen produced by charge exchange neutralization of energetic proton beams, 23:41949 (UCRL-50642)
  - Method for measurement of vacuum pressure, 22:43023
  - Polarization of atomic radiation excited by electron impact at threshold, 22:24057
- MCFARLAND, W. L. Effects of gamma—neutron radiation on behavioral performance of monkeys, 25:21829 (AD-712054)
- MCFARLAND, William Efficiency of scintillation counting of tritium-labeled DNA-protein, 21:33
  - Interaction of lymphocytes and a radioresistant cell in PPD-stimulated human leukocyte cultures, 24:51011
- MCFARLANE, A. A. Effect of tensile restraint on irradiated graphite specimens, 21:3557 (TRG-Report-1279)
  - Irradiation induced plasticity in graphite under constant stress, 21:22941
- MCFARLANE, A. F. Control of xenon instabilities in large pressurized water reactors, 24:5519 (WCAP-3680-23)
  - Physics of operating pressurized water reactors, 24:7025
  - Physics of operating pressurized water reactors, 24:47723
- MCFARLANE, Allan F. Control procedures for xenon-induced X-Y instabilities in large pressurized water reactors, 23:43097 (WCAP-3680-21)
  - Xenon-induced spatial instabilities in three-dimensions, 24:5518 (WCAP-3680-22)
- MCFARLANE, Finley Eugene Mechanistic studies on phenonium ion and kinetic isotope effects in 2-phenylethyl tosylate eliminations, 23:24177
- MCFARLANE, I. D. Measurement of energy dissipated in superconductors during flux jumps, 25:5044
- MCFARLANE, James C. Plant radioiodine relationships: a review, 25:13395 (SWRHL-90-r)
- MCFARLANE, R. D. Fine structure in the alpha decay of thermal neutron capture states of ^{149}Sm, 21:19256
- MCFARLANE, Robert C. Flow of groundwater around nuclear craters, 22:168 (CBA-1229-F-4)
- MCFARLANE, W. Carbon-13—^{31}P spin—spin coupling in organophosphorus compounds, 21:19715
  - Heteronuclear double resonance: ^{119}Sn—^{13}C spin—spin coupling in organotin compounds, 21:21995
  - Relative sign of the ^{13}C—^{29}Si coupling constant in tetramethylsilane, 21:21930
- MCFARLANE, W. K. Analysis of K/sub l3/ form-factor data, 21:37757
  - Energy dependence of the form factor in K/sub e3/$^+$ decay, 21:42251
  - Measurement of relative rate K/sub e2/$^+$/K/sub μ2/$^+$, 23:8726
  - Measurement of the branching ratios of K/sub μ2/$^+$, K/sub π2/$^+$, K/sub e3/$^+$, and K/sub μ3/$^+$, 21:25228
  - Measurement of the K/sub e2/$^+$ branching ratio, 21:18888
  - Shower detector, 25:15938
  - Threshold gas Cherenkov counter with large solid angle, 21:26178
  - Upper limit on structure-dependent radiation in K$^+ \rightarrow$ e$^+$ + ν/sub e/ + γ, 24:33006
  - Value of Re xi from measurement of a transverse component of muon polarization in K/sub L/$^0 \rightarrow \pi^-$ + μ^+ + ν, 21:869
- MCFARLIN, W. A. Beam diagnostics and improvements at TAMVEC, 25:50348
  - Fast neutron cancer therapy with TAMVEC, 25:50466
  - Fast neutron spectrum in water reactor, 23:50144
  - Heavy ion development at TAMVEC, 25:50297
  - Integrated ion source gas control and ^{3}He recovery system, 25:50291
  - Variable energy cyclotron, 21:38105
- MCFARLING, J. L. Radiation induced anti-Markownikoff addition of H bromide to alpha-olefins, 21:28015
  - Radiation-induced formation of alkyltin bromides. II, 21:23918
- MCFARLING, James L. Analytical studies of methyl iodide formation under nuclear-reactor-accident conditions, 22:2017 (BMI-1816)
  - Methyl iodide formation under nuclear-reactor-accident conditions, 22:21088 (BMI-1829)
- MCFARREN, R. D. Role of nuclear energy in desalination, 23:49612
- MCFATE, Patricia A. Effect of cooling on transplantation potential of marrow, 21:43456
- MCFEE, A. F. Chromosome aberrations in swine leukocytes after in vivo or in vitro exposure to 14 MeV neutrons, 25:29497
  - Influence of animal age on radiation-induced chromosome abberations, 24:17035
  - Influence of collection frequency on post-irradiation sperm output by rabbits, 21:1819
  - Tissue culture, 23:10053 (ORO-661, pp 56-7)
  - Tissue culture, 24:12214 (ORO-672, pp 64-5)
  - Tissue culture, 25:16315 (ORO-678, pp 47-8)
  - Viability among progeny of irradiated male rats, 22:563
- MCFEE, D. R. Exhaust entry monitored automatically with flame ionization and indicator tubes, 25:41635 (CONF-710505-5)
  - Plutonium—uranium—molybdenum fume characteristics and sand filtration, 23:11624
  - Pyrolyzer—Microcoulomb Detector system for measurement of toxicants, 25:41633 (CONF-710505-4)
  - ZPPR roof sand filtration of U, Pu, and uranine aerosols, 21:32009 (CONF-660904-Vol.1 and 2, pp 942-64)
- MCFEE, Donald R. Charcoal testing with methyl iodide using a pyrolyzer—microcoulomb detector, 25:22210 (CONF-700816-(Vol.2), pp 482-94)
- MCFEE, R. W. URCA process at high temperatures and densities, 25:58492
- MCFEELY, A. E. Leukemic and mononucleosis cell. III, 24:546
- MCFERON, D. E. Maximum temperatures in a flat-plate fuel element with fuel-clad bonding defects, 21:12192
  - System design for nuclear ships, 21:6101
- MCFERRIN, D. N. Neutronics instrumentation for Rover reactors, 22:2448 (CONF-671102-30)
  - Neutronics instrumentation for Rover reactors, 22:4510
- MCFETRIDGE, D. Vibration pressing of ceramic powders, 23:41722
- MCGAHAN, D. J. Radiation polymerisation of impregnated porous material, 25:55658
- MCGAHAN, J. F. Recovery of ^{10}B from low concentration wastes, 24:20853 (NUMEC-3292-11)
- MCGAHAN, J. T. Reaction π^+p $\rightarrow$ p$\pi^+\pi^+\pi^-\pi^0$ at 18.5 GeV/c, 24:45440
- MCGAHAN, John F. Dehydration of orthoboric acid to boric anhydride, 25:51312 (NUMEC-3292-16)
  - Determination of isotopic separation factor in dimethyl ether—boron trifluoride system. I, 22:21156 (NUMEC-3292-2)
- MCGAHAN, L. C. Energy propagation in lower ionosphere. I, 23:12687
- MCGANDY, Robert B. Systemic absorption of ^{210}Po inhaled in cigarette smoke, 23:6359
- MCGANN, L. E. Ratiometer to compensate counting rates for beam current fluctuations in charged particle experiments such as channeling, 22:28218
- MCGARRITY, James M. Radiation-induced luminescence of crystalline and glass powders, 24:5689
- MCGARRY, E. D. Epithermal neutron spectra in Materials Testing Reactor, 21:17527 (WAPD-TM-642)
- MCGARRY, W. I. Polarimeter for use in general purpose scattering chambers, 24:45713
- MCGARRY, W. L. Polarization of neutrons from the ^{2}H(d,n)^{3}He reaction below 400 keV, 22:15945
- MCGARVEY, J. J. Production, deactivation, and chemical reactions of O (^{1}D) atoms, 21:33278
- MCGARY, Noel Columbia River effluent and its distribution at sea, 1961—63, 21:28117 (RLO-1725-62)
- MCGAUGH, J. D. Evaluation of fuel depletion and Pu buildup in Yankee, 22:22771
  - Nuclear design of Connecticut-Yankee reactor, 23:11123 (NYO-3250-27)
- MCGAUGHEY, R. W. X-irradiation of pregnant Mongolian gerbils, 24:44604
- MCGAVIC, J. D. Inhibition of effector mechanism of transplant immunity, 23:33661
- MCGEACHY, J. D. Computer programs for power reactor management, 23:28388
- MCGEARY, R. K. Evaluation of sodium-cooled fast breeder reactor fuel element, 24:25244
  - Mechanical packing of spherical particles, 22:2594
  - Welding stainless steel fuel element end plug closures, 24:32349 (WARD-3791-44)
- MCGEE, Henry A. Jr. Prog. rpt. on chemical reactivity H$_2$, N$_2$, and O$_2$ atoms at temperatures below 100 deg K, final, 12/62—12/65, 21:14180 (N-66-37207)
- MCGEE, Ian J. Continuous dispersion sum rule and the NAK coupling constant, 24:35655
  - Convenient analytic form for the deuteron wave function, 21:2789
  - Dispersion sum rules for fixed-u πN scattering amplitudes, 25:14709
  - Electrodisintegration of deuteron. I, 21:37750
  - Electrodisintegration of deuteron. II, 21:44323
  - Forward pp dispersion relation, 25:22844
  - Forward proton Compton scattering and continuous dispersion sum rules, 24:40317
  - Phenomenological analysis for the electromagnetic form factor of the pion, 25:38700
  - Pion photoproduction, continuous dispersion sum rules, and Regge intercepts, 24:40320
  - Semiempirical potential and bound state of the ^{4}He diatom, 21:29022
- MCGEE, J. D. Conference on photo-electronic image devices, London, 9/65, 22:4539
  - Conference on photo-electronic image devices, London, 9/65, 22:4547

Stellar rotations observed with a spectracon, 22:17291
MCGEE, J. O'D Iodide concentration in hamster salivary glands, 22:12770
MCGEE, J. P. Developing closed-cycle gas turbine, 23:37602
MCGEE, J. W. Two-phase flow through abrupt expansions and contractions, 21:12578 (TID-23394(Vol.3))
MCGEE, K. E. Mass discrimination in a time-of flight mass spectrometer. I, 23:4859
Secondary electron yield vs primary energy for commercial coated-glass resistance strips, 23:14094
MCGEE, M. Rocket borne scintillation spectrometer for observing cosmic x rays, 23:22087
MCGEE, Max E. 200-megacycle synchronous-start gated oscillator, 21:19995 (UCRL-14559)
MCGEE, R. X. Atlas of OH (1667) line profiles near the galactic center, 25:19389
Hydroxyl gas clouds near the galactic center, 24:51369
Measurements of OH in Sagittarius A and B2, 24:51325
OH (1667) line absorption, 25:19382
OH absorption at 1667 MHz near galactic center, 24:39776
OH observations in directions of galactic thermal sources, 21:39723
OH-line absorption at 1665 and 1667 MHz in the direction of the Omega Nebula, 25:35696
OH-line radiation (18 cm) from NGC 6334, 21:33045
Oxygen-18 H in Sagittarius, 24:17514
MCGEE, T. Decay of ^{69}As, 25:5621
Decay of ^{79}Se, 23:1870
Decay of ^{94}Ru, 22:44707
Interactions of ^{45}Sc and ^{64}Zn with protons, 25:5623
Nuclear charge dispersion of light-mass elements in fission of ^{232}Th, 25:56805
Radiochemical separation technique for palladium, 22:10339
Rapid radiochemical separation of selenium, 23:4724
MCGEE, T. D. Chemical strengthening of Al_2O_3, 25:40119
MCGEE, Thomas D. Prog. rpt. on center of excellence in ceramic and composite materials, 9/68—8/69, 25:11472 (AD-708705)
Prog. rpt. on properties of ceramic materials, 3—5/70, 25:11473 (AD-708712)
MCGEEHAN, John T. Cesium-131 photoscan in diagnosis of myocardial infarction, 22:31138
MCGEHEE, J. H. Vlf electric field observations in the magnetosphere, 25:7235
MCGEHEE, W. G. Effects of Th dioxide upon blood clotting and platelets. I, 21:28634
Effects of Th dioxide upon blood clotting and platelets. II, 21:30886
MCGEORGE, J. C. Conversion coefficient of 14.4-keV transition in ^{57}Fe, 25:5652
Decay $^{73}As \rightarrow {}^{73}Ge$, 25:17792
Decay of ^{159}Dy, 25:15012
L_2-subshell Coster—Kronig transition probability and fluorescence yield below $Z = 81$, 25:52608
MCGERVEY, J. D. Measurements of some nuclear lifetimes in the nanosecond region, 25:34136
MCGERVEY, John D. Electron momentum distribution in silicon and germanium by positron annihilation, 21:2323
Positron annihilation in copper alloys, 24:10637
MCGHEE, B. W. Effects of buckling calculation on diffusion parameter measurements for heavy water in spheres, 24:11324
Neutron diffusion parameter determination using the pulsed neutron source techniques with spheres of heavy water, 25:5485
Neutron diffusion parameters of heavy water in spheres, 24:22061
Neutron source-strength determination by student laboratories, 24:43102
MCGHEE, D. G. Operation of complex arrangements of power supplies in Zero Gradient synchrotron experimental area, 25:50492
MCGHEE, J. Physics studies in WAGR and HERO, 22:22842
MCGHIE, A. R. Free radicals in irradiated imidazoles, 25:176
MCGHIE, R. D. Bibliography on deformation, vibration, and stability of shells, 21:3475 (UCRL-13187)
Prog. rpt. on failure mechanisms of shells confined in cavities, final, 8/67, 22:7968 (UCRL-13325)
MCGIBBON, A. L. Characteristics of biological damage by lasers, 21:34614
MCGIE, M. R. Measurement of double Compton cross section, 21:9691
Measurement of multiple-photon Compton cross sections, 22:22285
Precise measurement of neutron—proton total cross section from 25 to 60 MeV, 25:17694
MCGIE, Michael Rushton Experimental investigation of multiple photon Compton processes, 22:13256
MCGILL, Arthur A. Gas-cooled test loop for NASA Plum Brook Reactor Facility, 21:32013 (NASA-TM-X-1393)
MCGILL, Douglas B. Radioisotope scanning of the pancreas, 24:50997
MCGILL, I. S. Flux measurements in mock-up power-cycling rigs (Pluto 7V type), 21:14066 (AERE-M-1820)
Thermal-flux variations in Pluto type research reactors, 21:14065 (AERE-M-1819)
MCGILL, N. C. Apparent shape of rapidly moving objects in special relativity, 22:20309
MCGILL, R. M. Separation of K isotopes by molecular distillation. II, 21:6146 (K-1688)
MCGILL, Ralph Norman Theoretical investigation of some mass transfer problems with chemical reaction, 24:50078
MCGILL, T. C. Iom implantation damage of Si, 23:27684
Optical reflection studies of damage in ion-implanted silicon, 24:10606
MCGILL, W. F. Energy dependence of proton elastic scattering cross sections from Al and Si, 25:45988
MCGILL, William F. Proton total reaction cross sections for light nuclei between 24 and 46 MeV, 24:3853 (UCLA-10-P-18-14)
MCGILL, William Fleming Proton total reaction cross sections for light nuclei between 24 and 46 MeV, 25:3568
MCGILLIS, D. A. Inelastic collisions between excited alkali atoms and molecules. III, 22:13242
Inelastic collisions between excited alkali atoms and molecules. IV, 22:36728
Isotope effect on 6^2P/sub $^1/_2$/—6^2P/sub $^3/_2$ mixing in Cs, 23:14639
MCGILLIVRAY, Terrence L. Velocity measurement with radioactive spheres, 25:51686
MCGILTON, C. H. Achieving high exposure in metallic uranium fuel elements, 24:47861
MCGIMSEY, L. S. Levels in ^{11}B by the $^{10}B(d,p)^{11}B$ reaction, 25:3561 (CONF-700322-, pp 133-40)
MCGINLEY, C. E. Electrical conductivity of thoria based oxides, 25:40797
MCGINLEY, John A. Possible role of hospital radiology departments in cross infection and antibiotic-resistant bacterial mutagenesis, 24:46628
MCGINLEY, P. H. Fast neutron central axis depth dose equation, 24:34342
MCGINLEY, P. L. Flux pinning by oxide-film distributions in a type-II superconductor, 23:25250
MCGINNESS III, John Edward Vibrational entropy of the dilute silver-gold system, 25:18367
MCGINNIS, Doris H. Index to conferences relating to nuclear science, 22:35740 (TID-4043(Rev.3)(Suppl.))
Index to conferences relating to nuclear science, 25:23487 (TID-4044)
MCGINNIS, F. D. EBR-II heat transfer, 24:2382
EBR-II subassembly coolant-outlet temperature measurement, 24:7102
MCGINNIS, J. T. Elemental and hydrologic budgets of Panamanian tropical moist forest, 23:45686
Structure of tropical forests in Panama and Colombia, 23:45685
MCGINNIS, John Components of growth in P. polionotus, 23:26879
MCGINNIS, John T. Bioenvironmental and radiological-safety feasibility studies Atlantic—Pacific interoceanic canal, terrestrial ecology, 21:39370 (BMI-171-011)
Bioenvironmental and radiological-safety feasibility studies for Atlantic—Pacific interoceanic canal: terrestrial ecology, 24:2594 (BMI-171-24)
Possible effects of a sea-level canal on the marine ecology of the American isthmian region. Bioenvironmental and radiological-safety feasibility studies, Atlantic—Pacific Interoceanic Canal, 25:6660 (BMI-171-44)
Quantification of fungus: small arthropod food chains in the soil, 25:10929
MCGINNIS, R. D. Performance of EBR-II driver fuel at 62.5-MW(th) conditions, 24:7187
MCGINNIS, Terrance Effect of radioiodine and x-irradiation on Beagle pups, 25:6779 (UCD-472-117, pp 34-40)
MCGINTY, F. C. Nuclear power plants and maintainability, 21:15751
MCGINTY, G. K. 200-kV ion-implantation equipment at MRL, Salfords, 25:19774
MCGINTY, Gordon Kenneth Circuit arrangements for generating electrical pulses, 21:46636
Controlling the deflection of a charged particle beam, 21:46635
MCGIRR, E. M. Effect of thyroid ablation on dysthyroid exophthalmos, 23:45846
Iodine-125 treatment for thyrotoxicosis, 23:50769
Treatment of thyrotoxicosis, 23:41472
MCGIRT, Albert Franklin, Jr. Pulsed-neutron experiments, 24:10900
MCGIRT, F. HOLPERT: FORTRAN IV diffusion theory program for estimating the effect of re-entrant hole in asymptotic-decay pulsed neutron experiments, 24:28677 (RPI-328-126)
Reentrant hole effects in fast-neutron spectra, 23:3914
Reentrant hole perturbations in pulsed-neutron experiments, 22:32451
MCGIRT, Frank Average angle of scattering in energy-dependent problems, 25:9959
Influence of a reentrant hole on measurements of fast and thermal neutron spectra, 24:11277
User experience with DATATRAN at LASL, 25:57141 (CONF-710302-(Vol.1), pp 472-7)
MCGIVERN, J. F. Development and testing of intermetallic coated titanium alloy gears, 24:12370
MCGLASHAN, D. A. K. Agarose-gel zone electrophoresis technique protein binding studies radioactive isotopes, 21:14580
MCGLASSON, W. B. Effect of γ radiation on tomato fruit, 22:43518
Physiology of disks of irradiated tomato fruit. I, 25:27067
Physiology of disks of irradiated tomato fruit. II, 25:46723
Repair of protein in γ irradiated tomato fruit, 25:46742
MCGLINN, W. D. Algebraic structure resulting from superconvergence relations, 21:29561
Another restriction on weak neutral currents, 23:46679
Breaking of dilation invariance, 25:53245
Broken SU(3) symmetry in strong-coupling theory, 22:37180
Electromagnetic current in strong-coupling theory, 22:5645
Space—time symmetries and the spontaneous breakdown of dilation invariance, 25:43679
Unitary sum rule for K/sub S/—K/sub L/ decay, 23:23436
MCGLONE, John Joseph Removing lugs of fuel element cans, 24:53009
MCGLONE, Willard E. Radiation protection of the reproductive organs, 24:29754
MCGLOTHLAN, C. K. Conceptual system design description of salt pump test stand for MSRE, 23:45070 (ORNL-TM-2643)
Design, construction, and testing of a large molten salt filter, 23:19500 (ORNL-TM-2478)
Tube vibration in MSRE primary heat exchanger, 22:20819 (ORNL-TM-2098)
MCGLYNN, S. P. Delayed luminescence of organic mixed crystals. IV, 23:2292
Electronic transitions in mono-olefinic hydrocarbons. II, 24:31209 (TID-25433)
Molecular electronic spectroscopy of isoelectronic series. II, 24:31206 (TID-25425)
Prog. rpt. on physico-chemical study of some areas of fundamental significance to biophysics, annual, 1968—1969, 23:47424 (ORO-3018-53)
Prog. rpt. on physico-chemical study of some areas of fundamental significance to biophysics, annual, 1969—70, 24:31181 (ORO-3018-67)
MCGOFF, C. W. Preparation of large plastic films for proportional counter windows, 25:21417
MCGONIGAL, G. Measurements of Na level in PFR, 25:25978
Sodium flow measurement in PFR, 25:1885
MCGONNAGLE, W. J. Conference on physics and nondestructive testing, Dayton, Ohio, 9—10/64, 22:23239
Nondestructive measurement of surface residual stress, 22:14737 (CONF-671011-, pp 168-83)
Nondestructive reactor fuel assay, 21:45017 (WASH-1076, pp 96-114)
Potentially useful nondestructive techniques for characterization of material, 21:36306
Progress in applied materials research. VII, 21:36302
MCGONNAGLE, Warren J. Conventional nondestructive testing techniques for flaw detection, 21:36305
Nondestructive testing, 25:26440
Use of a styrofoam block cutter to make tissue-equivalent compensators, 25:55244
MCGOUGH, James B. Jr. Orbital electron captures in ^{51}Cr and ^{65}Zn and the K-fluorescence yields of V and Cu, 21:33926
Orbital electron captures in ^{57}Co and the K-fluorescence yield of Fe, 21:12002
MCGOVERN, D. E. Use of modeling in structural response problem, 25:23476 (SC-RR-70-880)
MCGOVERN, Edward R. Radiation necrosis of the brain in acromegaly, 21:41499
MCGOVERN, J. Bruce Thirty-year surgical experience with thyroid cancer, 22:15055
MCGOVERN, J. N. Bleached straw pulp mill for an agro-industrial complex, 23:28780 (CONF-680810-, pp 205-18)
MCGOVERN, T. On-line computer applied to climatology station, 23:35540 (AECL-3187)
On-line computer applied to heat transfer studies, 23:47687 (AECL-3186)
MCGOVERN, Wayne E. Exospheric temperatures of Jupiter and Saturn, 22:52330
MCGOWAN, B. K. Cues: relative effectiveness as function of reinforcer, 22:28686
MCGOWAN, C. R. Potentiometric process monitor for nitrite detection, 21:17601
MCGOWAN, E. J. Effects of electrical discharge and electrochemical machining on the fatigue strength of selected structural materials, 23:14322 (WAPD-TM-787)
Fatigue evaluation of defective pipe butt welds, 21:31006 (WAPD-TM-560)
MCGOWAN, F. K. Coulomb excitation of ^{106} ^{108} ^{110}Pd, 23:15490
Coulomb excitation of ^{107} ^{109}Ag, 25:15035
Coulomb excitation of ^{197}Au, 25:39047
Coulomb excitation of ^{75}As, 22:3681
Coulomb excitation of even-A Cd nuclei, 23:31003
Coulomb excitation of medium-weight and rare earth nuclei with ^{16}O ions, 24:49815
Coulomb excitation of states in even-mass ruthenium nuclei with ^{16}O and ^{4}He ions, 22:32615
Coulomb excitation of the even tin nuclei, 22:37353
E2/M1 admixture of the $2' \rightarrow 2$ transition in ^{108}Pd, 25:31374
Gamma—gamma angular correlations following Coulomb excitation, 23:9000
Low-lying levels of ^{79}Br, 21:23455
Multiple Coulomb excitation of ^{152}Sm, ^{166}Er, and ^{172} ^{174} ^{176}Yb, 25:3662
Nuclear cross sections for charged-particle-induced reactions, 21:7697
Nuclear cross sections for charged-particle-induced reactions n and o, 22:1600
Quadrupole moment of first 2+ states of Sn, 25:12587
Reaction list for charged-particle-induced nuclear reactions. Pt. B, 24:3910
Reaction list for charged-particle-induced nuclear reactions. Pt. A, 24:8847
Reaction list for charged-particle-induced nuclear reactions $Z = 1$ to $Z = 98$ (H to Cf), May 1969—June 1970, 25:12366
MCGOWAN, J. W. Review of atomic and molecular excitation mechanisms in nonequilibrium gases up to 20,000°K, 23:14638
MCGOWAN, J. William Atomic and molecular photoelectron angular distributions measured near threshold, 24:10386
Comparison of the calculated and observed resonances in the e—H elastic-scattering channel above 10.0 eV, 23:34278
Differential charge-transfer cross section for collisions of H^+ on O_2, 21:11444
Direct and autoionization of H_2 near threshold, 22:15360
Electron transfer to multiply charged ions of Ar, N_2, N, and O_2, 21:22998
H(2p) excitation resonances in (e-H) system near threshold, 22:50023
H—e resonances in 2p excitation channel, 23:16672

He$_2^+$ in the topside ionosphere, 22:41486
Ionization of H(1s) near threshold, 22:15359
Lowest ^{1}S and ^{3}P scattering resonances in the e—H system, 21:22989
Lyman-α production and polarization in He$^+$ collisions with H and H$_2$, 22:38789
Lyman-α radiation from electron collisions, 23:48744
Prog. rpt. on energy deposition study, annual, 8/31/68, 23:12519 (GA-9062)
Surfaces used in high resolution electron spectrometry, 21:16154
Three-body atomic systems, 24:21574
MCGOWAN, J. Wm. Prog. rpt. on electronic and ionic reactions in atmospheric gases, annual, 9/65—8/66, 21:5130 (GA-7419)
MCGOWAN, Larry Peritoneal fluid cellular patterns in obstetrics and gynecology, 24:41946
MCGOWAN, R. G. X-ray instrumentation for high altitude balloon and rocket flights, 23:29188
MCGOWAN, S. Ion—ion recombination coefficient. II, 21:14977
Ion—ion recombination coefficient. I, 21:14978
MCGOWAN, W. C. Hardening of MgO single crystals by electron and neutron irradiation, 23:32567
MCGRATH, E. J. Analytical determination of power spectral densities in nuclear reactors having a reactivity feedback coefficient, 21:38534
Application of Markov transition matrices in calculations for time dependence of neutron slowing down in shields, 22:31899
Neutron ionization (14-MeV) for prediction of transistor response, 23:35575
Power spectral density in neutron multiplying systems, 21:35608
Some comments on a statistical comparison between the cross and auto spectra in neutron multiplying systems, 21:30281
MCGRATH, Elgie James Statistical analysis of estimates for the power spectral density in neutron-multiplying systems, 21:21793
MCGRATH, F. E. Alpha-gamma metallographic facility, 21:9202 (RFP-658, pp 84-96)
Metallographic evaluation of explosively bonded and explosively compacted materials, 24:48804 (CONF-690954-, pp 220-43)
MCGRATH, L. Energy dependence of ^{26}Mg(p,t)^{24}Mg and ^{12}C(p,t)^{10}C L = 0 and L = 2 angular-distribution shapes, 21:44595
MCGRATH, M. Pituitary ablation for advanced carcinoma by transnasal implantation with radioactive yttrium, 22:51820
MCGRATH, P. E. Integral transport theory analysis of small-sample reactivity measurements, 23:37469
Integral transport theory analysis of central reactivity worth measurements, 25:51236
MCGRATH, Peter Edwin Integral transport theory analysis of small-sample reactivity measurements, 25:6187
MCGRATH, R. Measurement of ^{15}N enrichment in N, 23:26169
MCGRATH, R. A. Reconstruction in vivo of irradiated E. coli deoxyribonucleic acid, 21:12797
MCGRATH, R. E. Reactor power systems for space station missions, 25:41582
MCGRATH, R. G. Pressurized water reactors, 22:24985
Westinghouse experience with medium-size reactors and some factors to be considered in selecting a nuclear plant, 25:28638
Westinghouse pressurized water reactor, 24:24699
Westinghouse PWR, 22:46945
MCGRATH, R. L. Heavy ion identification using the power law technique, 21:8536
Inhibited (^{3}He,d) transitions to 3s/sub $^1/_2$/ isobaric analog states, 25:3666
Location and isospin-forbidden alpha decay of lowest T = 2 state in ^{28}Si, 22:50574
Reaction (^{3}He,^{6}He) on ^{6}Li and ^{7}Li, 24:52420
Reaction (d,^{6}Li) on light nuclei, 25:22981
MCGRATH, Robert L. Isospin-forbidden decay of 0$^+$, T = 2 state at 15.43 MeV in ^{24}Mg, 21:15530
Isospin-forbidden decay properties of the lowest T = 2 states of ^{20}Ne, ^{24}Mg, ^{28}Si, ^{32}S, and ^{40}Ca, 24:24524
Mass and spectroscopic measurements in the completed mass-21 and -37 isospin quartets, 22:20555
Observation of lowest p-shell T = 3/2 states of ^{11}B and ^{11}C, 23:15358
Properties of analog resonances formed in direct reactions decaying via isospin-forbidden modes, 25:28223
Search for T = $^3/_2$ states in ^{5}Li, ^{5}He, and ^{5}H, 22:13930
Unbound nuclide ^{7}B, 22:7647
MCGRATH, T. J. Common thermocouple materials with FHUST Zircaloy-clad heaters, 23:50981 (IN-1307)
Fuel heatup simulation tests: FHUST, 23:28519 (IDO-17258-F)
MCGRATH, W. D. Production, deactivation, and chemical reactions of O (^{1}D) atoms, 21:33278
MCGRAW, G. E. Infrared spectra of isotopic hyponitrite ions, 21:10321
MCGREEVY, Gerard Production of reproducible aerosol by radiolytic methods, 23:6226
MCGREGOR, A. Shell effects in the excitation of 0$^+$ states by (t,p) reactions, 21:12092
MCGREGOR, B. Conversion of neutron code TDC to FORTRAN IV, 21:33846 (AAEC/TM-370)
Estimation of moisture content by neutron scattering, 21:4459
IBM 360 version of neutron diffusion code CRAM, 22:32421 (AAEC/TM-429)
Monte Carlo shielding calculations, 24:32872 (AAEC/TM-531)
SCATLD-360: editing program for 360 GYMEA neutron scattering libraries, 24:8795 (AAEC/TM-517)
MCGREGOR, B. J. Prog. rpt. on fast reactor shielding, 8/71, 25:60055 (ORNL-TM-3573)
MCGREGOR, D. D. Delayed and arthus sensitivity with blood plasma from x-irradiated guinea-pigs, 25:21611
Effect of tritiated thymidine and 5-bromodeoxyuridine on development of immunologically competent lymphocytes, 23:43848
Role of lymphocytes in antibody formation. I, 21:41337
MCGREGOR, D. H. Gastric carcinoma in a fixed population, 25:49311
MCGREGOR, Douglas D. Bone marrow origin of immunologically competent lymphocytes in the rat, 22:30945
Development of immunologically competent cells in the rat, 21:11076
MCGREGOR, J. C. Nuclear reactor fuel rod with contacting warts, 22:25175
MCGREGOR, John C. Skewed helical wart spacers for fuel assemblies, 22:39923
MCGREGOR, John F. Congenital malformations from irradiations of sperm and eggs, 22:15072
Major malformations in trout embryos irradiated prior to active organogenesis, 22:45685
Persistence of heritable changes in an irradiated rat population after cessation of the exposures, 25:55164
MCGREGOR, W. K. Spectral characteristics of a low density arc-heated nitrogen plasma, 21:738 (AD-640625)
MCGREGOR, W. K. Jr. Measurement of excitation and electron temperature in a nitrogen plasma, 23:23079 (AD-675210)
Numerical study of early population density relaxation of thermal hydrogen plasmas, 24:12815 (AD-695472)
MCGREGOR, W. P. Electron-beam welding of Mo, 25:22029
MCGREGOR, Wells P. Welding of refractory alloys, 22:23785
MCGREW, J. M. Non-contacting dynamic seals for space power alternators, 22:8280
MCGRORY, J. B. Beta-decay rates and role of d/sub 3/2/-orbit in light s—d-shell nuclei, 25:5599
Complex spectroscopy, 25:56874
Correlation energy of ^{4}He, 23:49317
Energy levels for ^{92}Mo and ^{94}Ru, 23:37263
Energy levels of ^{56}Mn, 24:43264
Extended model description of ^{19}F and ^{20}Ne, 24:30713
Nature of 0$^+$ levels in calcium isotopes, 23:10974
Reaction ^{40}Ca(α,p)^{43}Sc; experimental results and shell model calculations, 21:42601
Shell model calculations in ^{17}O and a puzzle, 24:43144
Shell model calculations of nuclei from A = 6 to 45 using the Hamada—Johnston potential, 21:12083 (PUC-937-233)
Shell-model calculation for nuclei of masses 30 through 33, 23:1831
Shell-model calculations for A = 20 to 28 nuclei, 22:32521
Shell-model calculations for N = 30 nuclei, 21:40505
Shell-model calculations of ^{54}Cr and ^{56}Fe, 22:27046
Shell-model calculations of B(E2) values in s-d shell nuclei with A = 18 to 22, 22:29927
Shell-model structure of ^{33}Cl—^{33}Ar, 24:52513
Shell-model structure of ^{42}Ca through ^{50}Ca, 25:5611
Single-particle and core-coupled states in ^{57}Co, 23:37179
Static quadrupole moments in A = 18 to 38 nuclei, 25:20337
Structure of ^{16}O, 22:37302
Structure of ^{44}Ti and the role of single-particle energies, 25:43866
The role of single-particle energies in the formation of rotational spectra, 24:43268
Truncated shell model calculation of ^{23}Na, ^{24}Mg, and ^{28}Si, 25:25698
MCGRUDER, C. H. Three UBV sequences in Centaurus, 25:47221
MCGUFF, P. E. Laser radiation for basal cell carcinoma, 22:4647
MCGUFF, Paul E. Effect of laser energy radiation on bacteria, 21:18189
Effect of laser radiation on malignant tumors, 22:15025
Laser surgery of malignant tumors, 21:16412
Laser treatment of experimental malignant tumors, 21:12918
Surgical applications of laser, 21:16426
Surgical applications of laser, 21:11069
MCGUFF, Paul Edward Surgical applications of laser, 21:24653
MCGUFFEY, J. R. Additional experiments on electroless nickel coatings for high-performance aluminum fuel plates, 25:24559 (ORNL-TM-3297)
Development of electroless nickel coating for high performance aluminum fuel plates, 23:50989 (ORNL-TM-2642)
Materials of construction, fabrication controls, and tests for radioactive materials shipping containers, 23:568 (CONF-681001-, pp 278-84)
Training of NDT inspectors for compliance with nuclear standards, 25:39219 (CONF-710416-, Paper 9)
MCGUFFIN, M. W. Electron-cyclotron heating, 23:34377 (ORNL-4401, pp 79-97)
Target plasma experiments in INTEREM facility, 22:52724 (CONF-671127, pp 77-97)
MCGUIGAN, James E. Radioimmunoassay of peptides lacking tyrosine, 24:29628
Studies with antibodies in gastrin, 24:34150
MCGUINNESS, E. T. Effects on ^{131}I uptake by thyroid gland, 24:19291
MCGUINNESS, Eugene T. Continuous flow measurement of beta radiation using suspended scintillators, 24:16847
Effects of melatonin on ^{131}I uptake by the thyroid glands in rats, 22:30977
MCGUIRE, Daniel J. Low range moist-air generator, 23:40516 (RFP-1290)
MCGUIRE, E. J. Atomic subshell photoionization cross sections for 2 less than or equal to Z less than or equal to 54, 25:9194 (SC-RR-70-721)
Differential ionization cross section in Born approximation, 25:9195 (SC-RR-70-773)
MCGUIRE, E. L. Users manual for GENASY: an off-line assembler for the Varian 620/i computer, 24:16338 (BNL-14337)
MCGUIRE, Eugene J. Atomic L-shell Coster—Kronig, Auger, and radiative rates and fluorescence yields for Na through Th, 25:13980
Atomic photoionization cross sections from a semiempirical central potential, 21:39824
Auger transition rates involving partially filled shells, 24:3196 (SC-RR-69-137)
Calculated generalized oscillator strengths for atoms He—Na, 25:35844 (SC-RR-70-406)
Inelastic scattering of electrons and protons by elements He to Na, 25:11715
K-shell Auger and radiative transition matrix elements for Be—Xe and ions of Al and Cl, 24:20676 (SC-RR-70-50)
L-shell Auger and Coster—Kronig electron spectra, 25:30261
L-shell auger, Coster—Kronig and radiative matrix elements, and auger and Coster—Kronig transition rates in j—j coupling, 25:24857 (SC-RR-710075)
Photoionization cross sections of the elements helium to xenon, 23:5215
Some results on Auger transition rates involving f electrons, 24:47038 (SC-RR-70-429)
MCGUIRE, J. H. Calculation of npγ cross sections and asymmetries, 25:33615
Calculation of ppγ cross sections and asymmetries, 25:33616
Neutron—proton bremsstrahlung calculations, 24:24300
Off-energy-shell effects in proton—proton bremsstrahlung at 99 MeV, 24:1610
Proton—proton bremsstrahlung calculations, 23:30931
Relativistic spin corrections in proton—proton bremsstrahlung, 24:35634
Some constraints of current conservation on two particle radiative scattering, 24:52011
Use of NNγ data for NN phase shifts, 25:59520
MCGUIRE, Joseph C. Behavior of fission products in sodium, 21:12237 (LA-DC-8094)
Carbide deposition on tantalum, 23:10264
MCGUIRE, P. Differential collision cross sections and the intermolecular potential of neon, 23:10437
Resonance-coupling model for simple molecular reactions, 25:20982
MCGUIRE, R. L. Fluorescence emission detector with 100 picosecond time resolution, 21:3243 (EGG-1183-2122)
MCGUIRE, S. A. Neutron activation probability for sodium in man, 22:6799 (LA-3721)
MCGUIRE, Stephen Alfred Radiation detection using organic semiconductors, 25:23788
MCGUIRE, T. R. Curie-point increases in EuO, 22:15629
Intrinsic metallic character of rare-earth pnictides, 25:27879
Magnetic and magneto—optic properties of EuO films doped with trivalent rare-earth oxide, 22:52882
Magnetic and magneto-optical properties of Fe-doped EuO films, 25:27897
Magnetic properties and structure of GdN and GdN/sub 1-x/O/sub x/, 24:24154
Magnetic structure and exchange interactions in cubic gadolinium compounds, 23:30646
MCGURN, J. F. Direct observation of radiation damage produced in Cu, Au, and Al during ion bombardments at low temperatures in the electron microscope, 22:21741
MCGURTY, J. A. Method of cladding yttrium hydride and yttrium base alloy hydrides, 21:3531
Refractory metal brazing product and process, 21:26783
MCGURTY, James A. Heat exchanger utilizing vortex flow, 21:39109
Method for producing stoichiometric uranium dioxide compositions, 25:27274
MCHALE, C. G. Deoxycytidinuria and lymphocytopenia as indicators of absorbed radiation dose in rats, 23:41430 (AD-688768)
Liver enzymes involved in glycogen metabolism in x-irradiated rat, 25:16025 (AD-713087)
MCHALE, Carolyn G. Deoxypyrimidinuria and lymphocytopenia as indicators of absorbed radiation dose in rats, 24:6035
Florescence of serum and urine, 24:9770
MCHARDY-YOUNG, S. Congenital thyrotoxicosis, 22:51684
MCHARDY-YOUNG, Stuart Alterations in serum thyrotropin (TSH) and thyroid function following radiotherapy in patients with malignant lymphoma, 25:42695
MCHARGUE, C. J. Deformation and annealing of metals, 21:13153 (ORNL-3970, pp 6-10)
Deformation and annealing of metals, 22:8727 (ORNL-4170, pp 8-11)
Deformation of UO$_2$ single crystals, 23:3150
Dependence of flow stress on nonstoichiometry in oxygen-rich UO$_2$, 24:1097
Dislocation substructures in deformed uranium dioxide single crystals, 23:30184
Influence of plastic deformation on fcc reversible dhcp transformation in cerium, 22:43601
Metallographic study of the allotropic phase transformations in cerium, 22:23806 (CONF-670502-, pp 416-27)
Phase transformations in Gd—Ce system, 23:8211 (CONF-681020-(Vol.2), pp 541-9)
Transformation to samarium-type structure in Gd—Ce alloys, 25:32750
Transformations to Sm-type structure in Gd—Ce alloys, 25:687 (CONF-700403-(Vol.2), pp 664-72)
MCHARGUE, Carl J. Deformation and annealing of metals, 23:8158 (ORNL-4370, pp 5-8)
MCHARRIS, Orilla Ann Radiofrequency resonances in mercury and neon atoms excited by electron impact, 22:36711 (UCRL-18178)
MCHARRIS, W. C. Decay schemes of ^{56}Co and ^{56}Mn and their use as calibration standards, 21:4247

MCHARRIS, Wm. C. Coincidence-anticoincidence gamma-ray spectroscopy with NaI(Tl) split annulus and Ge(Li) detector, 21:19937
  Data acquisition from simultaneous experiments using the MSU Sigma-7 computer, 24:13217 (COO-1779-20)
  E6 and M5 transitions observed in /sup 53m/Fe decay, 25:22988
  Ge(Li)—Ge(Li) sum coincidence, 25:34932
  High-resolution gamma-ray spectroscopic studies of decays of 2.6-hr /sup 141g/Nd and 60-sec /sup 141m/Nd, 22:42026
  Lead-203m decay and M4 transition probabilities in neutron-deficient Pb isotopes, 23:4025
  N-shell conversion electrons from 2.33-keV transition in ^{203}Pb, 25:36780
  NaI(Tl) split annulus for coincidence, anticoincidence, triple coincidence, and pair spectrometry, 24:11824 (COO-1779-19)
  Neutron-deficient gadolinium isotopes. I, 24:52595
  Neutron-deficient Gd isotopes. II, 25:12582
  Neutron-deficient Gd isotopes. III, 25:36744
  Neutron-deficient members of A = 139 decay chain. I, 24:40603 (COO-1779-15)
  Neutron-deficient members of the A = 139 decay chain. I, 24:22173
  Neutron-deficient members of the A = 139 decay chain. II, 24:22172
  Prog. rpt. on nuclear chemistry, annual, 1968, 23:17084 (COO-1779-4)
  Prog. rpt. on nuclear chemistry, annual, 1969, 24:28769 (COO-1779-13)
  Spurious peaks produced by Compton scattering in Ge(Li)—Ge(Li) coincidence gamma-ray spectrometer systems, 25:18754
  States in odd—odd ^{200}Tl populated by the electron-capture decay of ^{200}Pb, 25:7871
  States of ^{117}Sn, 23:13284
  Straightforward elucidation of complex shell-model states by β decay of nuclei far from stability, 25:28299 (CERN-70-30(Vol.1), pp 435-46)
  Three-quasiparticle multiplet in ^{133}Pr, 23:34788
  Three-quasiparticle multiplets in nuclei below N = 82, 24:43412
MCHENRY, Edgar Ronald Production of graphite, 22:52245
MCHENRY, J. R. Effect of concentration gradients on the performance of a nuclear sediment concentration gage, 25:26544
  Influence of bulk density, slow neutron absorbers, and time on the calibration of neutron-moisture probes, 22:23348
  Performance of nuclear-sediment concentration gages, 22:19178
MCHENRY, J. Roger Determination of densities of reservoir sediments, 21:1663
  Determination of sediment density by gamma attenuation, 21:4719
  Sedimentation survey of Lake Guayabal, Puerto Rico using a nuclear sediment density probe, 24:39039 (PRNC-135, pp 269-86)
  Use of tracer technique in soil erosion research, 23:15969
MCHENRY, M. M. Full-size scintiphotography in pericardial effusion diagnosis, 25:24251
MCHENRY, Malcolm M. Roentgenographic diagnosis of pacemaker failure, 24:29817
MCHENRY, R. E. Helium release from $^{238}PuO_2$ microspheres, 24:21422 (ORNL-4507)
  Helium release in $^{238}PuO_2$, 24:5813
  Hot press for radioisotope source development, 21:19857
  Hot presses for glove box and manipulator cell use, 21:41062 (ORNL-TM-1900)
  Properties and fabrication of ^{244}Cm and ^{90}Sr fuel forms, 24:22889
  System $CsCl—BaCl_2$, 24:5663
  Thermal conductivities of ^{90}Sr heat source materials, 21:38929 (ORNL-P-3203)
  Thermal conductivities of ^{90}Sr heat source materials, 21:39131 (ORNL-TM-1905)
MCHENRY, Raymond E. Double pulsed mixer-settler liquid—liquid extraction system, 22:4264
MCHUGH, B. Internal pressurization of a nuclear reactor of the pressurized water type, 22:22887
MCHUGH, Brian Internal pressurization of a nuclear reactor of the pressurized water type, 21:19434
MCHUGH, Bryan Nuclear reactor of the pressurized water type, 22:6051
MCHUGH, C. O. Dispersion strengthened ceramics, 22:2675
  Dispersion-strengthened aluminum oxide, 21:524
  Dispersion-strengthened ceramics, 21:31092
MCHUGH, J. A. Cascade and three-stage mass spectrometer vacuum systems, 22:14874 (KAPL-3382)
  Fission-fragment mass and charge distribution for the moderately excited ^{236}U compound nucleus, 22:44734
  Ratio of ^{85}Kr isomers produced in medium-energy fission, 22:35332
  Ratio of ^{85}Kr isomers produced in medium energy fission, 23:15486
MCHUGH, J. D. Experimental investigation of water lubricated bearings in the turbulent regime, 22:8274
  Limits of effectiveness of the screw seal in laminar flow, 22:8275
MCHUGH, James A. Low current density sputtering ion source and its application to the isotopic and quantitative analysis of nanogram samples, 21:32089 (KAPL-P-3339)
MCHUGH, M. J. Gamma-ray dose to populations, 22:2383
  Radiophosphorus in diagnosis of pigmented skin lesions, 21:26495
MCHUGH, R. A. Reference manual for 6612 console operations with MIMIC, 24:18843 (SCL-DR-70-13)
MCHUGH, Richard B. Radiation dose-independent inactivation of isologous mouse lymphoma cells by nonspecific resistance, 24:48707
MCHUGH, W. E. Potential of advanced fuels for a fast test reactor, 21:38698
MCHUGH, William E. Fuel elements, 25:24548
  Method for minimizing corrosion of reactor elements, 22:28747
  Results and conclusions from examination of fuel subassemblies removed from Enrico Fermi Reactor after fuel damage incident, 22:32813
MCILHENNY, R. C. Treatments of southern pine with vinyl chloride and methyl methacrylate for radiation-produced wood-plastic combinations, 25:19299
MCILHENNY, W. F. Disposal of effluents from desalination plants, 24:22859
MCILRAITH, A. H. Charged particle oscillator, 21:11666
  Model for pulsed radio sources, 23:3209
  New type of ion source, 24:48989
MCILRAITH, Arthur Hamilton Improvements in or relating to oscillation generators, 23:38355
MCILRAITH, T. E. Conceptual design of beam transport magnets for beam line 1, 24:40513 (TRI-70-1)
MCILROY, H. M. Characterization of an epoxy foam, 24:27899 (BDX-613-125)
MCILROY, R. W. Fifth international cyclotron conference, Oxford, 9/69, 25:31079
MCILROY, W. Prog. rpt. on pulsed underwater sound projector, semiannual, 12/1/65, 22:389 (AD-648216)
MCILWAIN, C. E. Acceleration of trapped particles during magnetic storm, 4/18/65, 22:13344
  Measurements of trapped electron intensities made by the Explorer XV satellite, 21:9459
  Plasma clouds in the magnetosphere, 25:40479
  Radiation belts, 23:46399
MCILWAIN, Carl E. Adiabatic betatron acceleration by a geomagnetic storm, 21:37303
MCILWAIN, John F. Secondary electron emission by argon atoms and ions from a gas-covered surface, 22:17409
MCILWAIN, M. C. Preparation of U aluminides UAl_3 and UAl_{4-5}, 21:1882
MCILWAIN, R. L. Off-mass-shell S-wave $\pi^+\pi^-$ scattering amplitude, 25:19994
  Piπ S-wave phase shift in the rho region taking into account absorption effects, 21:11774
  Status and performance of Purdue SMP measuring system, 24:44313 (COO-1428-209)
  Two-charged-particle final states from $\pi^- + p$ interactions at 2.7 GeV/c, 21:15269
MCILWAIN, Robert L. Jr. Purdue SMP system, 21:41245
MCILWAINE, J. Review of power supplies leading to consideration of nuclear power stations, 24:13502
MCILWRAITH, N. Mass-energy spectrometer for space plasmas, 22:23377
MCINERNEY, J. J. The mismatch of thermal and epithermal neutron flux, 21:40594
MCINNES, A. W. Translator generator system, 22:14373 (COO-1018-1121)
MCINNES, B. A. Variations of plasma scale height in the upper ionosphere, 22:47969
MCINNES, C. A. J. Microanalytical estimation of B in steel using the $^{10}B(n,\alpha)^7Li$ reaction, 22:27610
  Studies on fused salt-metallic sodium two-phased systems as a preliminary to the operation of a fused-salt polarograph, 22:31390
MCINNIS, B. C. Scattering for a spinor Bethe—Salpeter equation, 23:46794
MCINROY, James F. Transfer of ^{210}Po from cattle feed to milk, 22:33811 (COO-1733-2)
  Transfer of ^{210}Po from cattle feed to milk, 23:14138
MCINTEER, B. B. Carbon-13 production plant using carbon monoxide distillation, 24:31443 (LA-4391)
  Critique of high-temperature viscosity measurements of Trautz and Zink, 25:41648 (LA-4643)
  High-temperature viscosity ratios for H, He, Ar, and N, 24:8458
MCINTEER, Berthus B. High temperature rock drill, 22:6251
MCINTIRE, G. N. Beam-foil excitation of multiply ionized nitrogen, 22:26237
MCINTIRE, H. O. Making of stainless steel shapes by casting and powder metallurgy, 21:32846 (RSIC-601)
  Shaping of stainless steels by casting and powered metallurgy, 22:19490 (NASA-SP-5086)
MCINTOSH, A. E. Temperature—gradient tube technique for characterization of released fission products, 21:35852 (TRG-Report-1332)
MCINTOSH, A. I. Electron drift and diffusion in deuterium at 293 deg K, 21:6996
  Electron drift and diffusion in parahydrogen at 77°K, 23:1168
  Electron transport coefficients in hydrogen and deuterium, 22:15364
  Excitation of H by slow electrons, 24:15166
  Formation and destruction of fast metastable helium atoms in charge-changing collisions, 22:52485
  Formation of He^- ions in charge-changing collisions, 23:27371
MCINTOSH, A. R. Oxide topography on crystal-bar and reactor grade sponge zirconium, 23:12264 (AECL-3223)
MCINTOSH, C. B. G. C-field cosmological models, 21:5050
  Cosmological model with both radiation and matter, 21:33092
  Cosmological models containing both radiation and matter, 22:8928
  Generalised Hoyle—Narlikar particle theory, 24:28056
  Particle gravitation theories of Hoyle—Narlikar type, 25:50182
  Relativistic analogs of scalar—tensor cosmologies, 24:17611
  Relativistic cosmological models with both radiation and matter, 22:52369
MCINTOSH, C. H. New Monte Carlo method for computing outcome of photon reactions with atoms, 22:38730 (UCRL-14190)
MCINTOSH, D. L. Susceptibility to apple powdery mildew observed in McIntosh clones after exposure to ionizing radiation, 21:28670
MCINTOSH, G. E. Construction of the 12-foot bubble chamber superconducting-magnet cryostat, 25:1147
MCINTOSH, Harold V. Degeneracy in the presence of a magnetic monopole, 24:20113
  Degeneracy of Dirac equation with electric and magnetic Coulomb potentials, 24:15662
  Symmetry of the two-dimensional hydrogen atom, 23:20677
MCINTOSH, J. A. Technique for obtaining sea ice thickness measurements from aircraft, 25:18306 (SC-DC-713664)
MCINTOSH, J. A. R. Short term effects of x-radiation on goitrogen induced growth of the rat thyroid, 24:6113
MCINTOSH, J. D. Remote maintenance in a large-scale separations plant, 21:6107
MCINTOSH, John A. R. Effects of x-radiation on rat thyroid, 24:21074
MCINTOSH, John S. Reactions induced by uv, 22:33843
MCINTOSH, M. K. Free stream velocity measurements in a high enthalpy shock tunnel, 25:33111
MCINTOSH, P. S. Birth and development of the sunspot group associated with proton flare of July 1966, 23:22776
  Evolution of the sunspot group after the proton flare of July 7, 1966, 23:22794
  Structure of a sunspot. V, 24:10313
MCINTOSH, R. C. Nonlinear transient heating of a weakly ionized plasma by an rf field, 24:12780
MCINTOSH, R. E. Experimental apparatus to investigate transient nonlinear effects in a plasma, 25:40604
  Harmonic generation inside a plasma column at resonance, 23:18705
  Nonlinear behavior of Tonks—Dattner resonances due to rf generation, 23:42283
MCINTOSH, Robert E. Millimeter-wave generation with plasma devices, 22:41618
MCINTOSH, Robert Edward Jr. Secular effects as related to the nonlinear behavior of plasmas, 22:31829
MCINTURFF, A. Low temperature iron measurements, 24:24137 (BNL-14556)
MCINTURFF, A. D. Composite materials, 23:5334 (BNL-12843)
  Coupling of (Ti—Nb) filaments in a superconducting multifilament composite conductor, 23:30498
  Flux mobility properties associated with diamagnetism in hysteretic Type II superconductors, 23:14698
  Magnetization studies in Nb_3Sn and Ti—Nb alloys, 23:30514
  Measurement of the Σ^+ magnetic moment using the reaction $\gamma + p \rightarrow \Sigma^+ + K^0$ near threshold, 21:31521
  μ tables for steels as a function of temperature, 24:37550 (BNL-14630)
  Observations of flux jump behavior related to various changes of geometry, and thermal and electrical environment, 22:50092 (BNL-12842)
  Performance of multifilamentary superconducting wire in solenoids and prototype synchrotron magnets, 25:50440
  Recent developments in pulsed magnet multifilament superconducting wires, 25:56580 (BNL-16026)
  Size effect and critical transport current in Ti (22 at. percent Nb), 21:16888
  Superconducting Helmholtz magnet (30-cm bore 70-kG), 21:46279 (SLAC-PUB-337)
MCINTYRE, B. J. Angular dependence of spin-wave and plasma-wave propagation in a degenerate electron liquid, 22:52799
MCINTYRE, D. R. Fate and implications of ^{203}Pb ingestion in dairy cow and calf, 25:46685
  Fate and implications of ingested ^{204}Tl in dairy cow and calf, 25:46686
  Fate of fallout ingested by livestock. I. Dairy cows, 25:488 (UCRL-72636)
  Fate of Schooner fallout radionuclides ingested by dairy cow, 25:4436
  Fate of Schooner fallout radionuclides ingested by the dairy cow, 25:13396 (UCRL-72511)
  Fate of Schooner fallout radionuclides ingested by the dairy cow, 25:32325 (UCRL-72511(Rev.1))
  Fate of Schooner fallout radionuclides ingested by the dairy cow, 25:37727
MCINTYRE, David R. Biological availability of radionuclides in fallout from Chinese nuclear test, 12/66, 21:39375 (UCRL-70301)
  Biological availability of radionuclides in Schooner debris, 24:654 (UCRL-50718, pp 57-8)
  Transport of fallout radionuclides in grass-to-milk food chain, 23:18016 (CONF-670503-, pp 597-601)
  Transport of fallout radionuclides in the grass-to-milk food chain studied with a germanium lithium-drifted detector, 23:31682
MCINTYRE, H. A. J. Calcium and sodium atoms in dielectric interstellar grains, 25:45261
  Interstellar hydrogen atoms on graphite grains, 23:41864
MCINTYRE, J. A. 192-detector system for study of 3-body reactions, 25:42124
  Elastic scattering of ^{12}C, ^{14}N, and ^{16}O by ^{208}Pb, and of ^{16}O by ^{209}Bi, 21:44703
  Nuclear spectroscopy with energy resolution of a part per million, 22:18199
  Nucleon transfer in $^{10}B(^{14}N,^{13}N)^{11}B$, $^{10}B(^{14}N,^{13}C)^{11}C$, and $^{40}Ca(^{14}N,^{13}N)^{41}Ca$ reactions, 21:9977
  Population of nuclear energy levels via photon-excited levels, 24:5431
  Spins and widths of energy levels in 5 to 9 MeV region, 23:31036
  Use of Compton-scattered gamma rays for nuclear resonance fluorescence studies, 22:18198
MCINTYRE, J. D. E. Kinetic isotope effects in the hydrogen electrode reaction, 22:37740

- MCINTYRE, James R. Isentropic trajectories of air in thunderstorm environments, 21:25993 (ORO-3083-4, Pt.2)
  - Prog. rpt. on severe convective storms and stratospheric scavenging of radioactive particles, final, 1963—66, 21:25991 (ORO-3083-4)
  - Relationships of divergence and vorticity of surface winds to beta concentration and rainfall rate, 21:25996 (ORO-3083-4, Pt.5)
- MCINTYRE, John A. Effects of gamma radiation on the forest at El Verde, 25:21928 (TID-24270, pp D.3-75)
  - Evaluation of high specific activity ^{60}Co source used in gamma monochrometer, 24:7591 (ORO-662)
- MCINTYRE, John Mark Electromotive forces and thermodynamic functions of Ag cell and complexes of Np, 23:4600
- MCINTYRE, K. G. Defect clusters in neutron irradiated Cu and Au, 24:25723
  - Interstitial dislocation loops in neutron-irradiated copper, 21:14862
- MCINTYRE, L. C. ^{53}Cr(p,d)^{52}Cr and ^{50}Cr(p,d)^{49}Cr reactions at 17.5 MeV, 21:40415
  - Phase shift analysis of d-α scattering, 21:5488
  - Prog. rpt. in nuclear physics, annual, 1/1/67—12/31/67, 22:13955 (COO-1468-2)
  - Reactions (p,d) and (p,t) on the Zn isotopes at 17.5 MeV, 21:9973
  - Stopping power of Havar for 2.5 to 7.0 MeV deuterons, 25:14401
  - Tensor polarization in d-α scattering, 21:5487
  - Vector analyzing power in (d,p) reactions and WBP model, 23:15372
  - Vector and tensor polarization in d—α scattering, 21:21428
- MCINTYRE, L. C. Jr. Mean lives and angular correlations in ^{33}S, 25:12489
  - Mean lives and angular correlations in ^{57}Co with ^{54}Fe(α,pγ)^{57}Co reaction, 25:28281
  - Mean lives of states in ^{27}Mg, 24:1805
  - Prog. rpt. on nuclear physics, 1—12/70, 25:53662 (COO-1468-9)
- MCINTYRE, Laurence C. Jr. Prog. rpt. on nuclear physics, annual, 1—12/68, 23:19200 (COO-1468-3)
- MCINTYRE, P. A. Study of the reticuloendothelial system in hematological diseases, 25:58053
- MCINTYRE, P. M. Measurement of the muonium hfs splitting and of the muon moment by double resonance, and a new value of α, 25:19888
- MCINTYRE, Patricia A. Behavior of Fe-, In-, and I-labeled transferrin in pregnant rat, 24:34042
  - Binding of trace amounts of ionic /sup 113m/In to plasma transferrin, 23:31615
  - Newer tracer techniques in hematology, 23:41368
  - Standardization of a reproducible in vitro technique for measurement of ^{86}Rb uptake in human erythrocyte, 23:9881
- MCINTYRE, R. J. Leakage current in Ge(Li) gamma-ray detectors, 22:49082
- MCINTYRE, W. I. M. Failure of x-irradiated Haemonchus larvae to immunize young lambs, 21:22659
  - Relation between age and successful vaccination with irradiated Haemonchus larvae, 21:24563
- MCISAAC, L. D. Decay of /sup 115m/In, 21:23526
  - Decay scheme of ^{141}Ba and ^{143}Ba, 25:20415
  - Levels in ^{133}I from the decay of /sup 133m/Te and /sup 133g/Te, 22:44731
  - Levels in ^{183}Ta from decay of ^{183}Hf, 23:37230
- MCIVER, E. J. Oxidation of uranium mononitride and uranium monocarbide, 21:14215
  - Thermodynamic and phase studies for plutonium and uranium—plutonium oxides with application to compatibility calculations, 21:32980
  - Unit cell size of solid solutions of uranium dioxide and fission product oxides, 22:15260 (AERE-M-1612)
- MCIVER, R. F. Dragon project engineering studies on the direct cycle HTR, 25:20703
  - Integrated primary circuits with individually removable boiler units for HTGCR, 23:28477
  - Operating experience with Dragon steam generators, 24:28875
- MCIVER, Robert Faulds Closure device for pressure vessel penetration, 23:24055
  - Improvements in or relating to nuclear reactors, 22:18625
- MCIVER, Robert T. Jr. Pulsed grid modulation scheme for an ion cyclotron resonance spectrometer, 24:11871
  - Trapped ion analyzer cell for ion cyclotron resonance spectroscopy, 24:23044
- MCIVOR, Ivor K. Dynamic buckling of elastic—plastic shallow arches, 24:24971 (SC-DC-70-4809)
- MCJILTON, C. H. Survey of reactor facilities for pressure tube irradiation, 23:11275 (BNWL-872)
- MCKAMEY, A. Adhesive and insulating systems for cryogenic and superconducting coils, 23:26579
- MCKAY, A. Ronald Clear-air turbulence and sporadic E activity, 22:52659
- MCKAY, D. S. Alpha-particle activity of Apollo 11 samples, 24:20722
- MCKAY, Donald H. Laboratory studies of propagation of magnetic disturbances in magnetosphere, 23:25193 (AD-679216)
- MCKAY, Douglas W. Mass and width of the kappa meson and K/sub l3/ form factors, 24:3596
  - Universal rho coupling and the Adler—Weisberger theorem for π^-rho$^+$ and $\pi^-A_1^+$ in the Veneziano model, 23:46700
  - Veneziano amplitudes for ππ, πK, and KK scattering, 24:45513
- MCKAY, Douglas Wallace Momentum transfer dependence of the γ NN* vertex in a dispersion theoretical model, 23:46651
- MCKAY, E. J. Geology and U deposits of the Pumpkin Buttes area of the Powder River Basin, Wyoming, 21:16026
- MCKAY, H. A. C. Conference on solvent extraction chemistry of metals, Harwell, Eng., 9/65, 22:16676
  - Extraction of Mo(VI) by tri-n-butyl phosphate, 24:14028
  - Resolution of complex spectra, 23:2302
  - Role of nitrous acid in reduction of Pu(IV) by U(IV) in TBP systems, 22:16682
  - Selectivity of extractants for metals, 24:29371
  - Solvent extraction in the atomic energy industry, 24:9445
  - Some properties of mineral acid solutions in tri-n-butyl phosphate as functions of water concentration, 22:154
  - Stability constants of chloride and nitrate complexes of Np(V) and Np(VI), 24:18972
  - Stability constants of fluoride and sulfate complexes of Np(V) and Np(VI), 24:38820
  - TBP: meeting-point of science and technology, 22:6397
- MCKAY, J. Brian Separation and determination of radioactive cesium in milk, 21:2989
- MCKAY, James Brian Study of synthetic inorganic ion exchange materials including two applications of ammonium molybdophosphate ion exchanger, 25:41751
- MCKAY, L. I. Diurnal rhythm in labeling indices of rat periodontium ligament fibroblast, 25:23942 (COO-119-242, pp 303-11)
- MCKAY, L. R. Comparison of the relative biological effectiveness of ^{241}Am and ^{144}Ce on the production of chromosome aberrations in the Chinese hamster liver, 25:55188
  - Metabolism and toxicity of ^{241}Am in hamster, 24:34027 (LF-41, pp 203-8)
  - Production of chromosome aberrations by ^{241}Am in the Chinese hamster liver, 25:29482 (LF-43, pp 240-5)
  - Relative biological effectiveness of ^{241}Am, ^{144}Ce, and ^{60}Co on the production of metaphase chromosome aberrations in the Chinese hamster liver, 25:29483 (LF-43, pp 246-53)
- MCKAY, M. H. Equivalence relations for heterogeneous reactor systems, 21:30080 (AAEC/E-166)
- MCKAY, R. A. Proton and deuteron spin-lattice relaxation in n-dodecane, 23:47429
  - Simple single-coil probe for pulsed nuclear magnetic resonance, 21:4743
- MCKAY, Sheila M. Instrumental neutron activation analyses of lunar specimens, 24:20730
- MCKAY, T. L. Corrosion studies on forged beryllium, 25:16416
- MCKAY, W. L. Experiments on water drop breakup behind Mach 3 to 12 shocks, 24:24968 (SC-CR-70-6063)
- MCKEAGUE, R. Construction, commissioning, and operation of Winfrith SGHWR, 24:24855
  - Operational experience with the steam generating heavy water reactor, 25:36894
  - Removal and replacement of experimental pressure tubes in Winfrith SGHWR, 24:43745
- MCKEAN, D. C. Spectra and structure of crystalline cyclopropane and cyclopropane-D_6, 24:27091
- MCKEAN, H. P. Jr. Exponential formula for solving Boltzmann's equation for a Maxwellian gas, 23:42323
- MCKEAN, J. D. Hartlepool: a milestone in gas cooled reactors, 23:47146
- MCKEE, A. E. Mice following continuous exposure to low-dose γ radiation, 24:19307
- MCKEE, A. G. Evaluation of potential uses for radiation processing in Louisiana industries, 21:10504 (NP-16382)
- MCKEE, Adam E. Assessment of radiation damage to hematopoietic cells of mice, 23:31638 (AD-683664)
  - Cellular response of mice to infection with Pasteurella tularensis following exposure to gamma radiation, 23:35661 (AD-681376)
- MCKEE, B. T. A. Pressure dependence of positron annihilation rates in the alkali metals, 25:49455
  - Temperature dependence of positron mean lives in metals, 21:46154
  - Timing of semiconductor detectors with a constant-fraction discriminator, 22:36060
- MCKEE, C. F. Theory and experiments for plasma consisting of clouds interacting with clouds, 23:1428 (LA-3990, pp D2.1-5)
- MCKEE, Chester Early supernova luminosity, 23:44035
- MCKEE, Christopher F. Effect of plasma instabilities in Colgate's cosmic-ray model, 25:35900
  - Equilibrium properties of matter at very high temperatures and densities, 22:17239
  - One-dimensional simulation of relativistic streaming instabilities, 25:52844
  - Simulation of counterstreaming plasmas, 24:35460
  - Stability of supermassive disks against fragmentation, 25:52532
  - Two-stream instability in Colgate's supernova model of cosmic ray acceleration, 24:47045 (UCRL-50880)
- MCKEE, D. W. Interaction of atomic hydrogen and nitrogen with graphite surface, 24:19479
  - Reactivity of graphite surfaces with atoms and molecules of H, O, and N, 25:49498
- MCKEE, Douglas W. Metal oxides as catalysts for the oxidation of graphite, 25:24616
- MCKEE, Duncan Management of treatment for oral cancer, 23:41364
- MCKEE, G. Heat flux distribution and temperature distribution on convective heat transfer in tubes, 21:43147
- MCKEE, Harris B. Electrostatic probe measurements in flowing NaK-seeded Ar, 22:44097
- MCKEE, Harris Bonar Electrostatic probe theory and application in high-temperature plasma, 22:11425
- MCKEE, Hugh R. Forced convection boiling from a cylinder normal to the flow, 24:2380
- MCKEE, J. Carbon and N transfer in a type-316 stainless-steel, Nb—1 percent Zr, liquid-K system, 21:14792
  - MCR liquid metal technology summary report, 22:32926 (GMAD-3078-32(Vol.2))
- MCKEE, J. M. Impurity considerations in the national plan, 23:46032 (ANL-7520(Pt.1), pp 18-20)
  - Removal of oxygen from sodium, 22:1749 (AD-648248)
- MCKEE, J. S. C. Chemically bound neutrons in LiF at 4°K, 24:21860
  - Conference on three body problem in nuclear and particle physics, Birmingham, Eng., 7/69, 24:51983
  - Final state interaction spectra of mirror reactions and the $^1S_0$ neutron—neutron scattering parameters, 24:52391
  - Final-state interaction (2p) in ^{3}He(^{3}He,α)2p reaction, 21:38228
  - High-precision measurement of proton—proton polarization between 10 and 20 MeV, 21:42258
  - High-resolution fast-neutron spectroscopy of reaction ^{9}Be(p,n)^{9}B at 20 MeV, 21:40377
  - Neutron source for use with a variable energy cyclotron, 21:44474 (UCRL-17675)
  - Neutron source for use with a variable energy cyclotron, 22:7621
  - New design for a liquid helium polarimeter, 23:734
  - p-d scattering and the effective range expansion, 24:43116
  - Polarization in proton—proton scattering at low energy, 23:3936
  - Polarization transfer at 0° in D(d,n)^{3}He and H(d,n)pp reaction, 25:53546
  - Polarization transfer at 0° in the D(d,n)^{3}He and H(d,n)pp reactions, 25:5532
  - Proposal to investigate the discrepancy between theory and experiment in study of radiative n—p capture, 25:41195 (NP-18861)
  - Scattering of polarized protons by deuterium in energy region 10 to 20 MeV, 21:17299
  - Search for excited states of ^{3}He, 21:38219
  - Simultaneous determination of two parameters in the $^1S_0$ wave neutron—neutron, 24:42913
  - Small-angle behavior of the polarization in p—d elastic scattering, 22:11899
  - Three- and four-nucleon system, 25:53835
  - Three-body final state in the D(d,n)pd reaction, 24:52394
  - Three-body problem in nuclear physics, 25:25841
  - Vector analyzing power of D(d,n)^{3}He reaction at 12 MeV, 25:53544
- MCKEE, John Carbon meter development: an interim report, 22:12676 (ANL-7380, pp 111-17)
- MCKEE, John M. Continuous carbon meter for sodium systems, 22:47430
  - Effects of oxygen in type-316 stainless-steel Cb—1 percent Zr liquid potassium system, 22:31326
  - Evaluation of carbon activity sources in sodium, 23:46119 (ANL-7520(Pt.1), pp 441-7)
  - Oxygen effects in liquid K, 23:24806
- MCKEE, L. Clifford Jr. Placental iron transfer, 24:23069 (CONF-690501-, pp 25-44)
- MCKEE, P. A. Mathematical simulation of sea otter population dynamics Amchitka Island, Alaska, 25:49146
- MCKEE, R. J. Mu-atomic hyperfine structure in ^{238}U and ^{232}Th, 23:37253
  - Muonic x rays and capture gamma rays in ^{89}Y, 25:20360
  - Muonic x rays in ^{208}Pb and possible observation of nuclear polarization, 23:15467
  - Neutron emission from nuclear excitation by radiationless transitions in μ-atomic ^{209}Bi, 23:42930
  - Non-radiative muon transitions in heavy elements, 24:51410
  - Precise calibration of Ge(Li)-spectrometer, 25:23845
  - Precise measurement of muonic x rays in the Pb isotopes, 24:15923
- MCKEE, R. K. Effects of uv irradiation on zoospores P. infestans, 23:43743
- MCKEE, R. W. Evaluation of the prospects for large-scale production of ^{147}Pm, 21:3215 (BNWL-310)
  - Feasibility of commercial fuel reprocessing in the Redox plant, 23:9503 (BNWL-920)
  - Isotope production and availability from power reactors, 22:45245 (BNWL-716)
  - Isotope production projections for U. S. nuclear power reactors, 22:24933 (BNWL-SA-1529)
  - Production costs for ^{238}Pu in a PWR, 23:37532
  - Survey of fuel reprocessor plans for recovering neptunium and a projection of neptunium quantities available through 1980, 24:2262 (BNWL-1205)
- MCKEE, W. E. Prog. rpt. on alloy ionizer fabrication, final, 5/66, 21:6770 (N-66-30489)
  - Vacuum thermionic work functions and thermal stability of TaB_2, ZrC, Mo_2C, $MoSi_2$, $TaSi_2$, and WSi_2, 21:24837
- MCKEEHAN, E. SEFOR: fast reactivity excursion device, 23:37651
- MCKEEHAN, E. R. Design and testing of the SEFOR Fast Reactivity Excursion Device (FRED), 25:20693 (GEAP-13649)
- MCKEETHEN, R. Digital to analog pulser system for testing pulse height analyzers, 21:6339
- MCKEEVER, J. W. Jacobi—Gauss quadrature calculations of Rydberg—Klein potential energy curves for diatomic molecules, 22:29178 (ORNL-TM-2167)
- MCKEEVER, L. D. Structure of the aluminate ion in solutions at high pH, 25:104
- MCKEIGHEN, R. E. Electron irradiation effects in silicon at liquid helium temperatures using ac hopping conductivity, 25:1260 (COO-1198-744)
  - Electron-irradiation effects in silicon at liquid-helium temperatures using ac hopping conductivity, 25:36305
- MCKEIGHEN, Ronald Eugene Electron irradiation effects in silicon at liquid helium temperatures using ac hopping conductivity, 25:22591 (COO-1198-781)
  - Electron irradiation effects in silicon at liquid helium temperatures using ac hopping conductivity, 25:52917
- MCKEITH, C. D. Fabry—Perot interferograms of solar Mg II doublet and xuv solar images, 24:3124
- MCKEITH, N. E. Fabry—Perot interferograms of solar Mg II doublet and xuv solar images, 24:3124
- MCKELLAR, B. H. J. BHMM analysis of the ^{208}Pb(d,p)^{209}Pb/sub g.s./ reaction, 24:43424
  - Calculations for stripping on doubly magic nuclei, 25:20282
  - Continuum contributions to spectroscopic factor sum rules, 24:43589

  Deuteron stripping analysis, 21:34041
  Deuteron stripping theory, 22:20725
  Form factors and polarization of x-rays from nuclear reactions, 25:20423
  New approximation to the Bethe—Goldstone wave function, 24:43543
  Reactions (d,p) to the ground states of ^{41}Ca and ^{49}Ca, 25:31264
  Single particle strength in the continuum, 25:1769
  Spectroscopic factors from (d,p) reactions, 23:5964
  The one pion exchange contribution to the weak parity violating nucleon—nucleon potential, 22:13777
  Velocity-dependent potentials in the shell model of ^{18}O and ^{18}F, 23:3954
  Wave functions for nuclear-structure calculations, 24:13426
MCKELLAR, Bruce H. J. Antisymmetrization of the theory of stripping reactions, 23:42989
  d'Espagnat theory of nonleptonic weak interactions, 23:23446
  Effect of correlations on the three-body forces to the binding energy of nuclear matter, 25:46101
  Green's velocity-dependent potential in shell model of ^{210}Po, ^{210}Pb, and ^{210}Bi, 23:7310
  Limit on the induced pseudotensor form of the axial-vector current, 24:37724
  Oakes theory of weak interactions and parity-nonconserving nuclear forces, 23:9043
  P and T violation in nuclear physics, 24:52695
  Parity violation in πN scattering, 25:59487
  Parity-nonconserving nuclear forces, 22:35380
  Polarization effects in (d,p) reactions according to Butler—Hewitt—McKellar—May theory, 22:42114
  Reaction ^{208}Pb(d,p)^{209}Pb gs, 24:38252
  Three-body forces in nuclear matter, 22:44761
MCKELLAR, H. J. N—N potential for shell-model calculations, 23:37255
MCKELVEY, Donald R. Solvent isotope effect on thermodynamics of nonreacting solutes, 24:5657
MCKELVEY, J. W. Methods of assessing lung dose from inhaled $^{239}PuO_2$, 21:30809 (SC-DC-67-1854)
MCKELVIE, D. H. Bone density evaluations by microradiograph scanning, 23:12006 (UCD-472-115, pp 57-9)
  Colony status and clinical observations in ^{90}Sr and ^{226}Ra-treated beagles, 23:12200 (UCD-472-115, pp 21-4)
  Hematopoietic changes in beagles fed ^{90}Sr, 23:38806
  Metabolism and toxicity of ^{90}Sr in immature beagle, 24:23082 (CONF-690501-, pp 529-41)
  Method for microradiography of bone samples, 23:12206 (UCD-472-115, pp 52-6)
  Myeloproliferative disorder in beagles exposed to ^{90}Sr, 24:2783
  Pachyostosis resulting from β-irradiation in bone uniformly labeled with ^{90}Sr, 23:12207 (UCD-472-115, pp 60-2)
  Serum chemistry values in beagles treated with ^{90}Sr and ^{226}Ra, 23:12003 (UCD-472-115, pp 25-30)
  Skeletons of beagles fed ^{90}Sr, 23:38425
MCKELVIE, Douglas Hugh Sensitivity of immature and adult dog bone to acute and chronic irradiation, 23:26910
MCKENNA, C. M. Mass of ^{41}Ca, 25:5610
MCKENNA, J. Absence of abnormal ^{14}C isotope effect in the alkaline degradation of NN-dimethyl-o-toluidine[^{14}C]methiodide, 23:40639
  "Steric" secondary H isotope effect in E1 degradation of quaternary ammonium salt, 21:1352
MCKENNA, J. M. Absence of abnormal ^{14}C isotope effect in the alkaline degradation of NN-dimethyl-o-toluidine[^{14}C]methiodide, 23:40639
  Hypothermia, radiation, and immune response, 24:25420
MCKENNA, N. J. The stability of metal tritides—yttrium tritide, 21:45119
MCKENNA, P. Qualitative properties of muonic hydrogen metals, 24:12641
MCKENNA, Robert J. Sarcomata of the osteogenic series, 21:10943
MCKENNA, Susan M. P. East limb passage of an active solar region, July 7—10, 1959, 22:11136
MCKENNA-LAWLOR, Susan M. P. Occurrence of high-energy releases during flares, 24:12576
  Three different varieties of solar flare, 22:43768
MCKENNAN, J. R. Night airglow observations, 23:46403
MCKENNEY, J. R. Alimentary passage of allyl inulin, 21:14673 (BNWL-280, pp 12)
  Effects of radioactive particles on the skin and gastric mucosa of miniature swine, 21:14712 (BNWL-280, pp 39-40)
  Electrolyte transport and voltage measurements in a preparation of the irradiated rat ileum, 22:49543
  Transport and potential measurements in isolated rat intestine, 21:14538 (BNWL-280, pp 4-8)
MCKENNEY, Joel R. Prog. rpt. on mechanism of radiation effects on transport and bioelectric properties of rat intestine, 9/70, 25:8607 (ORO-3882-3)
  Transport and voltage measurements with intestine, 24:7759
MCKENZIE, A. D. Cancer of the thyroid in the young individual, 22:8617
MCKENZIE, A. R. Mutation in T. cucumeris, 22:31031
MCKENZIE, C. D. Activation technique for the absolute calibration of a long counter, 24:39209 (AERE-R-6429)
MCKENZIE, David De-occultation x-ray events of Dec. 2, 1967, 24:3093
  Upper limit solar gamma-ray spectrum to 10 MeV, 21:14927 (N-67-10871)
MCKENZIE, David Leroy Correlation of hard solar x-ray and radio emission, 25:55759
MCKENZIE, Donald E. Conversion of heat to electricity by electrochemical means using UO_2 melt, 22:27723
MCKENZIE, E. D. Seven co-ordinate uranyl compounds of planar quinquedentate ligand N,N'-bis-salicylidene-1,5-diamino-3-azapenthane, 23:49807
MCKENZIE, H. Measurement of dose to thyroid carcinoma metastases from radio-iodine therapy, 24:23295
MCKENZIE, J. Argonne National Laboratory—Carnegie Institute of Technology 25-cm bubble chamber—superconducting magnet system, 21:16127 (CONF-660918-, pp 264-5)
  Mass measurements using the range—energy relation in a helium bubble chamber, 21:44287
  Mass-4 hypernuclei in ANL—CMU helium bubble chamber, 24:47370 (CONF-690557-(Vol.1), pp 403-37)
  Measurement of K^- cascade time in liquid He, 24:47363 (CONF-690557-(Vol.2), pp 753-7)
  Measurement of K^- cascade time in liquid He, 25:5254
  New measurement of /sub Λ/^{3}H lifetime, 22:22324
  Properties of /sub Λ/^{3}H, 24:24246
  Range—energy relation in helium, 24:37185
MCKENZIE, J. A. Virus control laboratory, 23:45446 (Y-EF-329)
MCKENZIE, J. F. Effect of the motion of a strongly magnetized plasma on the emission of radiation by a finite dipole, 22:7296
  Hydromagnetic Kelvin—Helmholtz problem in Hall plasma, 25:30392
  Hydromagnetic oscillations of the geomagnetic tail and plasma sheet, 24:51532
  Hydromagnetic wave coupling between the solar wind and the plasma sheet, 25:30366
  Hydromagnetic wave interaction with the magnetopause and the bow shock, 24:17823
  Interaction of magnetoacoustic and entropy waves with normal magnetohydrodynamic shock waves, 23:32532
  Radiation losses from a test particle in a plasma, 22:9344
MCKENZIE, J. M. Growth of germanium for lithium drift detectors, 22:40401
  Methods of reducing noise of junction field effect transistor (JFET) amplifiers, 24:39260
  Neutron energy dependence of damage to semiconductor devices, 25:44747 (SC-DC-714161)
  Noise studies of ceramic encapsulated junction field effect transistors (JFETs), 24:39315
  Rectified ac drifting of germanium detectors, 24:36570
  Selection of germanium lithium drift detectors for gamma ray spectroscopy, 21:39237
  Surface preparation to obtain good I—V characteristics of Ge lithium diodes, 22:40402
  Surface treatment of germanium—lithium diodes, 22:28091
  Tentative method for expressing radiation hardness, 25:26560 (SC-DR-710045)
MCKENZIE, James F. Doppler effect in a warm uniaxial plasma, 22:52746
  Interaction of hydromagnetic waves with hydromagnetic shocks, 24:17899
MCKENZIE, Robert D. Aircraft engine isotope radiographic inspection using source collimation, 22:38128
MCKENZIE, T. R. Purex two-cycle waste studies, 23:13820 (HW-63453)
MCKEON, James T. Primary piping flexibility analysis for liquid-metal-cooled fast breeder reactors, 22:39812
MCKEON, R. F. Fuel acquisition: the outlook for financing, 21:38586
MCKEOWN, D. Re-heat cracking in high nickel alloy heat-affected zones, 25:35453
MCKEOWN, Daniel Gas-surface energy transfer experiment for OGO-F, 23:46411
MCKEOWN, F. A. Fault displacements and motion related to nuclear explosions, 24:20916
  Geologic effects of Boxcar Event, 23:13898 (TID-24618)
  Geologic effects of Faultless Event, 23:13897 (TID-24360)
  Geologic effects of Faultless Event, 24:22774 (USGS-474-65)
  Geologic effects of Greeley Event, 23:13895 (NTS-196)
  Geologic effects of Greeley Event, Nevada test site, 23:38095 (USGS-474-12)
  Geology and U deposits of the Pumpkin Buttes area of the Powder River Basin, Wyoming, 21:16026
  Guidebook for field trips to Nevada Test Site, 23:21806 (NTS-79)
  Seismic activity and faulting associated with a large underground nuclear explosion, 24:2328
MCKEOWN, J. Measurement of proton—proton bremsstrahlung cross sections at 42 MeV, 25:14556
  PDP-9 system at Univ. of Manitoba cyclotron, 22:47414
MCKEOWN, M. Anomalous L-subshell conversion coefficients of highly K-forbidden E1 transition in /sup 180m/Hf (5.5h), 21:35477
  High-spin isomer /sup 194m/Ir produced by triple neutron capture, 22:42047
  Mass difference of ^{40}K and ^{40}Ar, 22:13973
  Search for parity admixture in 57.5-keV gamma transition of /sup 180m/Hf, 21:35478
MCKEREGHAN, Charles D. Nuclear manned missions to Mars, 24:16264
  Nuclear-propelled passenger vehicles for lunar and planetary exploration, 24:20616
MCKERRELL, A. Covariant wave equations for massless particles, 21:4028
  Elimination of t channel threshold singularities from differential cross section, 22:35163
  Kinematic singularities and Regge-pole contributions, 23:3848
  Regge-pole analysis of two-body reactions involving different masses and spins, 22:9598
MCKEY, Tommy J. Isolation of disomics in S. cerevisiae, 24:29894 (UCRL-18793, pp 19-24)
MCKHANN, C. F. In vitro detection of cytotoxic cellular immunity against tumor-specific antigens by a radioisotopic technique, 25:42309
MCKHANN, George G. Design and vehicle integration of a ^{238}Pu Brayton power system for MORL, 22:19054
MCKIBBEN, J. L. Absolute beam polarization determination for the LASL Lamb-shift source by the quench ratio method, 25:5453 (LA-4465, pp 10.1-2)
  Absolute beam polarization determination for LASL Lamb-shift source, 25:53473
  Analyzing power of T(d Vector,α)n reaction at low energies, 25:53556
  Analyzing power of the T(d,α)n reaction at low energies, 25:5525 (LA-4465, pp 34.1-2)
  Beneficial effect of an air leak into the duoplasmatron of the LASL polarized source, 25:53415 (LA-DC-12943)
  Current status of polarized ion sources, 25:53419 (LA-DC-13016)
  Depolarization and emittance degradation effects associated with charge transfer in a magnetic field, 23:44766
  Gadgets demonstrating principles involved in polarized ion sources, 25:53414 (LA-DC-12942)
  Measurement of the vector and tensor analyzing power of d—^{4}He elastic scattering at 12 MeV, 25:5553 (LA-4465, pp 25.1-2)
  Neutron polarization in T(d,n)^{4}He reaction, 25:53558
  Neutron polarization in the T(d,n)^{4}He reaction using a polarized incident beam, 25:5513 (LA-4465, pp 12.1-2)
  Performance of LASL polarized source, 25:53468
  Performance of the LASL polarized source, 25:5452 (LA-4465, pp 9.1-2)
  Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:5806 (LA-4465, pp 27.1-6)
  Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:53859
  Precise proton-polarization standards determined with Lamb-shift ion source incorporating nuclear spin filter, 25:48019
  Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:5802 (LA-4465, pp 11.1-2)
  Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:53860
  Source of polarized negative hydrogen and deuterium ions, 23:21208
  Study of ^{3}He(d,d)^{3}He scattering at 10 and 12 MeV, 25:5520 (LA-4465, pp 24.1-2)
  Study of the ^{3}He(d,p)^{4}He reaction, 25:5512 (LA-4465, pp 6.1-2)
MCKIBBEN, J. M. Characterizing plutonium accumulations, 23:35276
  Evaluation of centrifugal contactors, 23:35274
  Hydroxylamine nitrate as a plutonium reductant in the purex solvent extraction process, 25:15721 (DP-1248)
  Use of reaction gammas for analysis of impurities in alpha emitters, 22:8 (DPSPU-66-30-12)
MCKIBBEN, J. Malvyn Reaction gammas for analysis of impurities in α emitters, 22:18704
MCKIBBEN, Joseph L. Design of a solenoid for a Lamb-shift polarized-ion source, 23:22116 (LA-4082)
  Nuclear spin filter, 22:32483
  Operation of a radio-frequency nuclear spin filter, 23:37038 (LA-4112)
  Polarization transfer in reaction T(d,n)^{4}He at 0° from 3.9 to 15 Mev, 24:52413
  Reaction D(d,n)^{3}He at 0° with polarized beam, 25:43789
  Theory of a radio-frequency "spin filter" for a metastable hydrogen, deuterium, or tritium atomic beam, 22:2777 (LA-3725)
MCKIBBIN, D. D. Observations of geomagnetospheric wake at 1000 earth radii, 21:43934
  Pioneer 6 observations of a steady-state magnetosheath, 22:47913
  Pioneer 8 electric field measurements in the distant geomagnetic tail, 24:32738
  Plasma-probe results from Pioneers 6 and 7, 23:44277
MCKIBBIN, Darrell D. Solar wind plasma in geomagnetospheric wake at 1000 and 500 Earth radii, 23:27478
MCKIERNAN, John Thermoelectric devices for space and remote terrestrial sites, 24:44205
MCKILLEN, R. R. Deflection measurement techniques, 25:29301
  Elastic and ultimate pressure tests on one tenth scale model of Dungeness B concrete pressure vessel, 25:29311
  Measurement of internal strain in concrete, 22:14896
MCKINELY, C. Richard Lymphopenia induced by splenic interstitial irradiation, 21:20387
MCKINLEY, B. J. Small-diameter tube evaluation with eddy currents and ultrasonics, 21:43302 (UCRL-70632)
MCKINLEY, C. Thermodynamic properties of ^{3}He between 1° and 100°K, 22:46089
MCKINLEY, J. D. Jr. Surface reaction of W with Cl—O mixtures, 24:2879
MCKINLEY, John D. Adsorption kinetics of nitrogen on rhenium, 21:42180
MCKINLEY, John J. Weak coupling model of a core plus several particles, 21:4347
MCKINLEY, John M. Small effects in the theory of muonic atoms. I, 23:32150
MCKINLEY, Raymond R. Contour maps of supernova remnants, 23:14432
MCKINLEY, T. W. Jr. Influence of temperature on x-ray sensitivity of mouse bone marrow cells in vitro, 22:36373
  Protection of mice against radiation injury by phenylhydrazine, 23:16341
  Recovery from radiation injury with and without bone marrow transplantation: effects of splenectomy, 25:8706
MCKINLEY, William A. Hellmann—Feynman theorems in classical and quantum mechanics, 25:43510
  Stable states of a scalar particle in its own gravitational field, 22:26712
  Study of singularities in Kohn variational method for scattering parameters, 22:37204

MCKINNELL, Robert G. Laser ablation of maternal chromosomes in eggs of R. pipiens, 23:31702
MCKINNEY, Charles N. X-ray spectrometer sample cell having an adjustable secondary x-radiation radiator and taut x-ray transparent window, 23:7788
MCKINNEY, Charles O. Genetic variation in irradiated and nonirradiated populations of the lizard, Uta stansburiana, 25:55320
MCKINNEY, F. E. Bibliography on centralized processing of fresh meat and poultry including radiation, 23:43926 (ORNL-IIC-20)
  Bibliography on radiation pasteurization of fruits and vegetables, 23:5061 (ORNL-IIC-11(Suppl.1))
  Bibliography on radiation pasteurization of fruits and vegetables, 23:43925 (ORNL-IIC-11(Suppl.2))
  Cost-benefit study of selected products in the AEC's low-dose food-irradiation program, 22:4716
  Isotope user's guide, 23:50040 (ORNL-IIC-19)
  Isotopes and radiation technology. IV, 21:17782
  Isotopes and radiation technology. IV, 21:39142
  Isotopes and radiation technology. IV, 21:45319
  Isotopes and radiation technology. IV, 22:4586
  Isotopes and radiation technology. Vol. 5, No. 1, 22:10521
  Isotopes and radiation technology. Vol. 6, No. 1, 22:50898
  Isotopes and radiation technology. Vol. 6, No. 2, 23:4886
  Isotopes and radiation technology. Vol. 6, No. 3, 23:16049
  Isotopes and radiation technology. Vol. 6, No. 4, 23:29621
  Isotopes and radiation technology. Vol. 7, No. 1, 23:50062
  Isotopes and radiation technology. Vol. 8, No. 1, 24:50524
  Isotopes and Radiation Technology, Vol. 5, No. 2, 22:16632
  Isotopes and Radiation Technology, Vol. 5, No. 3, 22:16636
  Isotopes and radiation technology, Vol. 5, No. 4, Summer 1968, 22:30792
  Isotopes and radiation technology, Vol. 7, No. 2, Winter/1969—70, 24:14192
  Isotopes and Radiation Technology, Vol 7, No. 3, 1970, 24:29446
  Measuring moisture with gamma radiation, 23:50201
  Potato-sprout inhibition by radiation. I, 25:16394
  Preservation fish by ionizing radiation: annotated bibliography, 23:48292 (ORNL-IIC-25)
  Seventh annual AEC food-irradiation contractors' meeting, 9/67, 22:17065
  Special sources of information on isotopes, 22:10504 (ORNL-IIC-12)
  Tour of the portable cesium irradiator, 22:31311
MCKINNEY, Frank Mortality of three species of ducks exposed to ionizing radiation, 22:19420
MCKINNEY, H. F. Practical aspects of space simulation facility operations, 23:17660
MCKINNEY, J. L. Sodium vapor deposition in inert enclosures, 24:26753
MCKINNEY, John L. Separation of He isotopes, 23:11609
MCKINNEY, Russell A. Development of a germanium avalanche-type semiconductor nuclear particle detector and discussion of avalanche detector arrays, 22:40389
  Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7/66-1/67, 21:16143 (NYO-3246-9)
  Radiation detector, 23:33413
MCKINNEY, T. O. Electron gun for the Stanford two-mile accelerator, 21:37999
MCKINNEY, W. A. In situ recovery of copper from sulfide ore bodies following nuclear fracturing, 24:41511 (CONF-700101-(Vol.2), pp 877-87)
MCKINNEY, Wayne R. Computer application in high-energy physics, 22:12646
MCKINNEY,, F. E. Isotopes and Radiation Technology, Vol. 7, No. 3, 1970, 24:11740
MCKINNIS, Dean E. Ionospheric electron-density profiles with continuous gradients and underlying ionization corrections. II, 22:1057
MCKINNON, C. K. Jervis Bay nuclear power station investigations for civil works. I, 25:34314 (NP-18797(Vol.1))
  Jervis Bay Nuclear Power Station project investigations at site J.S1-Scottish Rocks, 25:15336 (NP-18636)
MCKINNON, J. B. Effect of small oscillating fields on the peak effect in Type-II superconductors, 22:52686
  Integrating magnetometer measures superconductor characteristics, 25:469
  Measurements on Corbino Discs of type-II superconductors, 22:11358
  Occurrence of peak effect in Type-II superconductors, 22:44049
  Peak effect in type-II superconductors, 24:5129
MCKINNON, N. A. Compressive creep of yttria rare earth stabilized zirconia storage heater refractories, 25:35555
  Sintering in gas discharges, 22:23862
  Some wear-resistant ceramic materials, 25:45130
MCKINNON, P. J. Prog. rpt. on D and E region during IQSY, final, 1964-1965, 21:13432 (N-66-39998)
  Rocket observations of electron temperature in E region, 22:41439 (N-68-15890)
  Rocket observations of electron temperature in the E-region, 22:41462
MCKINNON, R. A. Rankine cycle boiler and condenser-radiator orbital experiment, 21:41104
MCKINSTRY, Robert Gill Stark effect of R center in KCl, 22:3167 (NYO-2150-34)
MCKINZIE, Daniel J. Jr. Calculations of the interaction of the solar plasma with the magnetic field of a current loop and two parallel infinite lines of current, 22:13370
  Solar plasma interaction with magnetic field, 22:38891 (N-68-19188)
MCKINZIE, H. Electrical and magnetic properties of TaSe$_3$ and NbSe$_3$, 24:21886
  Low-temperature transport properties of NbSe$_3$, 23:16765
MCKISIC, J. Michael Dispersive sum-rule approach to π K scattering, 24:42962
  kappa-meson mass and weak-decay parameters from a study of K/sub l3/ form factors, 22:46381
  Mass and width of the kappa meson and K/sub l3/ form factors, 24:3596
MCKISIC, James Michael Application of the dispersive sum rule method to meson systems, 25:28029
MCKISSOCK, Wylie Pituitary adenoma: results of combined surgical and radiotherapeutic treatment of 2260 patients, 21:28623
MCKISSON, R. L. Construction and operation of a sodium purification apparatus, 21:36201 (NAA-SR-12444)
  Coolant chemistry sodium loop operating experience at Atomics International, 22:12678 (ANL-7380, pp 123-5)
  FBR fuel development, fuel cladding, and structural materials, 23:13582 (AI-AEC-12721, pp 211-24)
  General chemistry and chemical engineering, 23:11478 (AI-AEC-12721, pp 279-308)
  High heat flux heater development status report, 22:40288 (AI-AEC-12681)
  Preparation of high-purity sodium for chemistry studies, 23:45362 (ANL-7520(Pt.1), pp 271-7)
  Sodium chemistry, fundamental studies, 23:21676 (AI-AEC-12744, pp 131-8)
  Solubility of copper in liquid sodium, 22:4876
  Solubility of copper in sodium, 22:41031 (AI-AEC-12671)
  Solubility of Cu, Mo, Nb, Fe, Ni, and Cr in high-purity Na, 23:45239 (ANL-7520(Pt.1), pp 319-24)
  Solubility studies of Cr, Co, Mn, Mo, Ni, Nb, Ti, V, and Zr in liquid sodium, 24:36891 (AI-AEC-12955)
  Solubility studies of ultra pure transition elements in ultra pure alkali metals, 21:1891 (NASA-CR-610)
  Studies of the solubility of iron in sodium, 23:51030 (AI-AEC-12834)
MCKITTRICK, N. Shielded container for carrying and dispensing doses of radioisotopes for intravenous use, 21:6507
  Simple differentiator unit for determining the mean circulation time of a radioactive bolus, 22:31184
MCKNEALLY, M. F. Definition of thymic-dependent areas in the peripheral lymphoid tissues of rabbits, 24:41971
MCKNEALLY, Martin F. Central lymphoid tissues of rabbits. II, 25:46758
  Influence of the thymus and appendix on the immune responses of x-irradiated newborn and adult rabbits, 25:39803
  Mammalian equivalent of the avian bursa of Fabricius, 21:24627
MCKNELLY, Lawrence O. Laser in biomedical research, 23:41420
MCKNIGHT, A. D. IAEA safeguards inspection, 22:6249
  Introductory statement on safeguards, 24:9868
MCKNIGHT, Charles F. Chemistry of nuclear recoil ^{18}F atoms. II, 24:7462
  Chemistry of nuclear recoil ^{18}F atoms. III, 24:11608
MCKNIGHT, Herman G. Vapor phase forming, 21:22855
MCKNIGHT, J. A. Fast-neutron monitor utilizing helium production in beryllium, 21:19967
  Measurement of flux distribution in the Windscale advanced gas-cooled reactor at zero power and comparison with calculation, 21:21683
MCKNIGHT, James Alan Fuel sheathing failure detection in liquid cooled nuclear reactors, 22:14359
  Improvements relating to the detection of fuel element sheathing failures in nuclear reactors, 22:25185
MCKNIGHT, L. G. Interpretation of ion-mobility experiments in reacting systems, 22:5078
  Low-field drift velocities and reactions of nitrogen ions in nitrogen, 22:5077
MCKNIGHT, Mary E. Study of the exchange characteristics of montmorillonite clay for fission product cations for use in the generation of insoluble aerosols. technical progress report, 22:10323 (LF-37)
MCKNIGHT, R. H. Electron multiplier efficiency for hydrogen atom detection, 24:44263
  Measurement of differential charge-transfer cross sections and probabilities by photon—particle coincidence technique, 24:45022
MCKNIGHT, Ronald Hugh Electron charge transfer processes by coincidence techniques, 25:35877
MCKNIGHT, W. B. Spectra observed from the laser plume in normal and malignant tissue of rodents: a preliminary report, 21:30770
MCKNIGHT, William B. Effect of high energy laser pulses on the primate liver, 21:11082
  Effects of neodymium laser radiation upon the heads of dogs, 21:24639
  Laser destruction of chemically induced hepatomas, 22:4675
MCKOWN, D. Silicon abundances in meteoritic chondrules, 22:16
MCKOWN, D. M. Allende meteorite: some major and trace element abundances by neutron activation analysis, 24:6294
  Coincidence counting applied to the activation analysis of meteorites and rocks, 25:54479
  Gold and iridium in meteorites and some selected rocks, 24:27906
  Heat-sealed polyethylene sample containers for neutron activation analysis, 22:44996
  Instrumental activation analysis of meteorites using gamma—gamma coincidence spectrometry, 23:40593
  Nondestructive determination of iridium in meteorites using gamma—gamma coincidence spectrometry, 22:44981 (ORO-2670-28)
MCKOWN, David Melvin Gamma—γ coincidence counting and activation analysis of meteoritic materials, 25:12967
MCKOWN, H. S. Analytical mass spectrometry at Oak Ridge National Laboratory, 25:13319 (ORNL-4643)
MCKOWN, R. D. Prediction of strength of graphitic material by nondestructive test techniques, 22:43005
MCKOY, Vincent Higher random-phase approximation as an approximation to the equations of motion, 25:16846
  Numerical one-center calculation of ns—sigma Rydberg series of H_2^+, 23:5247
  Numerical solution of (1s1s) and (1s2s) hydrogenic pair equations, 25:7188
  Numerical solution of quantum-mechanical pair equations, 22:41698
  Numerical solution of S-limit Schroedinger equation, 22:24498
  Numerical solution of the two-electron Schroedinger equation, 24:37277
  Quantum mechanics of one-dimensional two-particle models, 21:37630
  Quantum-mechanical treatment of inelastic collisions. I, 22:29238
  Quantum-mechanical treatment of inelastic collisions. II, 22:29244
  Solution of Hartree—Fock first-order equation for He, 24:44996
  Transition probabilities for collinear atom—diatom and diatom—diatom collisions, 24:35188
MCLACHLAN, D. S. Detection method for normal-to-superconducting phase transition of 10 μ spheres, 22:46063
  Hysteresis in the superconducting transition of single spheres of indium, 22:17575
  Quadratic response of the intermediate state to a transverse alternating magnetic field, 22:34539
  Quantum oscillations in low-kappa Type II superconducting microcylinder. I, 25:5045
  Quantum oscillations in low-kappa Type II superconducting microcylinder. II, 25:5046
  Quantum oscillations in susceptibility of superconducting tin microcylinder, 24:10448
MCLACHLAN, David S. Superheating and supercooling in single spheres of Sn, In, and Au-plated In, 23:18568
MCLACHLAN, L. A. Pulsed nuclear magnetic resonance in a tin single crystal, 22:29577
  Pulsed nuclear magnetic resonance in metal single crystals, 22:32009
MCLAFFERTY, F. W. Atlas of mass spectral data. I, II, and III, 23:47449
  Enolic $C_3H_6O^+$ ion formed from aliphatic ketones. 25:51458
  Hydrogen scrambling in organic ions as a function of internal energy. Extension of the energy range, 24:33668
  Index and bibliography of mass spectrometry 1963—1965, 22:42638
  Ketonization of gaseous enol ions, 25:108
  Unimolecular decomposition of toluene and cycloheptatriene molecular ions, 25:18393
MCLAFFERTY, G. H. Investigation of gaseous nuclear rocket technology, 24:31112 (N-70-17470)
  Prog. rpt. on gaseous nuclear rocket technology, 9/16—12/15/67, 22:37513 (N-68-16664)
  Specific nuclear light bulb and open-cycle vortex stabilized gaseous nuclear rocket engines, 22:37515 (N-68-22038)
  Survey of advanced concepts in nuclear propulsion, 22:53408
MCLAFFERTY, George H. Absorption of thermal radiation in wall of nuclear light bulb rocket engine, 21:19840 (CONF-660608-13)
  Absorption of thermal radiation in wall of rocket engine, 21:32001
  Gas core nuclear rockets, 24:50202
  Gas core nuclear rockets, 25:51202
  Gas-core nuclear rocket engine technology status, 25:12834
  Gaseous nuclear rocket engine, 25:20806
  Limitations on gaseous nuclear rocket I/sub sp/ due to nozzle coolant requirements, 21:231
  Prog. rpt. on gaseous nuclear rocket technology, 9/16—12/15/66, 23:2086 (N-68-29503)
MCLAGAN, J. N. Construction of the 12-foot bubble chamber superconducting-magnet cryostat, 25:1147
MCLAIN, Howard A. HFIR fuel element steady state heat transfer analysis, 22:7899 (ORNL-TM-1904)
  Potential metal—water reactions in light-water-cooled power reactors, 22:42202 (ORNL-NSIC-23)
  Potential metal—water reactions in light-water-cooled power reactors, 23:43074
MCLAIN, M. E. Jr. Monte Carlo analysis of gamma scattering in Si and Ge, 25:22619
MCLAIN, Milton E. Jr. Instrumental neutron activation analysis for aluminum in phosphate minerals, 24:38774 (PRNC-135, pp 195-200)
  Production of high specific activity isotopes, 23:45303 (CNM-R-2(Vol.1), pp 357-60)
MCLAIN, R. E. Rise-time shaper for proportional counter pulse-height spectrometers, 21:36362
MCLANE, C. K. Correlation of density fluctuations and diffusion in a plasma, 21:2198
  Determination of diffusion coefficients by correlation of microscopic density fluctuations, 24:40055
MCLANE, S. B. Controlled hydrogen partial pressure in a field ion microscope, 21:34446
MCLAREN, A. Prog. rpt. on photochemistry on enzymes and viruses, 2/65—12/66, 21:22802 (UCB-34-P-116-2)
MCLAREN, A. C. Operating characteristics of an ion-bombardment apparatus for thinning non-metals for transmission electron microscopy, 25:32832
MCLAREN, A. D. Changes in particles of TMV caused by uv radiation, 22:8663
  Inactivation of infectivity of RNA of tobacco mosaic virus during uv irradiation of whole virus, 22:28321
  Inactivation of TMV—RNA by uv, 23:22444
  Isotope effect in photoreactivation of uv-inactivated TMV—RNA, 23:26690
  Phosphatase activity in native soils and in soils sterilized by irradiation, 21:12774

Photobiology of RNA bacteriophages. I, 21:30778
Photobiology of RNA bacteriophages. II, 22:33989
Photochemistry of macromolecule, 23:20447
Photochemistry of tobacco mosaic virus RNA, 23:31648
Prog. rpt. on enzyme activity in terrestrial soil, semiannual, 1/1/66—6/30/66, 21:18013 (N-66-32122)
Radiation as technique in soil biology, 24:14638
Urease activity in irradiated soils, 24:25404
MCLAREN, A. Douglas Prog. rpt. on utility of radiation sterilized soil as medium for growth of plants and microorganisms, 1/59—12/66, 21:20031 (UCB-34-P-50-3)
Prog. rpt. on utility of radiation sterilized soil as medium for growth of plants and microorganisms, annual, 1966, 21:20426 (UCB-34-P-50-4)
MCLAREN, J. R. Preparation and sintering behaviour of UN, 24:27820
Radiation dose rates from plutonium oxide—beryllium oxide mixtures, 25:11052 (AERE-R-5069)
Response of various skin lesions to oral ^{35}S, 21:16404
Sintering behavior of PuO$_2$—ThO$_2$, 22:45802 (AERE-M-1964)
MCLAREN, John Robert Improvements in or relating to the production of nuclear fuel materials, 21:13248
MCLAREN, K. G. Radiation chemistry of acetylene: a review, 21:35983 (AAEC/TM-373)
Radiation processing of thin organic films and surface coatings using low-energy electron accelerators, 25:21018
Radiolysis of acetylene—nitrous oxide mixtures and the effect of carbon dioxide, 25:23630
Use of liquefied gas refrigerants in irradiation experiments, 24:611
MCLAREN, N. H. High-temperature reactor, 24:28989 (TRG-Report-1996)
MCLAREN, Norman H. Mark-3 high-temperature reactor, 24:16136
MCLAREN, Norman Harold Nuclear reactors, 23:9150
MCLAREN, R. A. Shop scheduling with known workloads, 23:31252 (CTC-15)
Shop scheduling with known workloads, 25:1997 (CTC-15(Rev.1))
MCLAREN, T. I. Initial ionization rates and collision cross sections in shock-heated argon, 22:52777
MCLARNON, B. Automatic Van de Graaff voltage conditioner, 25:9930
MCLARTY, D. G. /sup 99m/Tc pertechnetate for measuring thyroid suppressibility, 25:21761
Treatment of thyrotoxic patients with atrial fibrillation, 24:891
Treatment of thyrotoxicosis after antithyroid drug therapy, 24:2826
MCLATCHIE, R. C. F. Computer science research, 1968, 23:28648 (AERE-R-6075)
MCLATCHIE, W. Analogue states excited in reaction ^{56}Fe(p,γ)^{57}Co, 25:45985
Atomic mass determinations. I, 23:21371
Conservation of seniority in neutron shell, 24:52710
Level structures of ^{85} ^{87}Sr from (d,p) reactions, 25:14955
Levels excited in the reaction ^{58}Ni(p,t)^{56}Ni, 22:48483
New atomic mass differences and mass systematics, 24:38266
Precise atomic mass differences and mass systematics, 24:38265
Reaction (t,p) studies of transitional nuclei ^{150}Nd and ^{152}Nd, 24:30854
Reaction ^{148}Nd(t,p)^{150}Nd, 24:43438
Reaction ^{154}Sm(p,t)^{152}Sm and shape coexistence in ^{152}Sm, 24:15880
Separation and pairing energies of isotopes of Tb, Dy, Ho, Er, Tm, Yb, Lu, and Hf, 25:17888
The structure of the even nickel isotopes, 24:43288
Transitions between analog states of ^{55}Fe, 25:50677
MCLATCHIE, William Reactions ^{152}Sm(p,t)^{150}Sm and ^{154}Sm(p,t)^{152}Sm, 25:12612
MCLAUCHLIN, I. R. Radiation enhanced recrystallization in metals, 25:32754
Recovery creep of niobium-stabilised austenitic stainless steels, 25:13674
MCLAUGHLAN, S. D. Production of colloidal calcium by electron irradiation of CaF$_2$ crystals, 22:34794
MCLAUGHLIN, Bruce D. Computer simulation of stress corrosion cracking, 24:14704 (SC-RR-69-828)
MCLAUGHLIN, D. W. Pressure vessel surveillance in power reactors: summary and analysis, 21:4390
Properties of irradiated materials for reactor vessels. I, 22:19600
MCLAUGHLIN, Donald R. Calculation of attractive He pair potential, 24:51395
MCLAUGHLIN, E. E. Liquid H focusing Cherenkov counter, 21:10610 (UCRL-17129)
MCLAUGHLIN, E. F. A recirculator—purifier for spark chamber neon gas, 23:26577
Improved liquid hydrogen differential Cherenkov counter, 23:21967
MCLAUGHLIN, Edwin F. Liquid hydrogen and deuterium differential Cherenkov counters, 22:47374 (UCSB-34-P-135-7)
MCLAUGHLIN, Ernest O. Radiation curable paint containing a vinyl ester binder resin having pendant diester groups, 25:18439
MCLAUGHLIN, J. Stray neutron spectra at large pulsed particle accelerator sites, 21:31648 (ANS-SD-3, Session 2, Paper 4)
MCLAUGHLIN, J. E. Accelerator stray neutron dosimetry, 21:1767
Assessment of radioactive contamination in the environment by field gamma spectrometry, 25:16184
Distribution in energy and angle of high-energy neutrons from a gun source, 22:50518
Estimating stray photon spectra and dose above 25 MeV near transverse shielding of proton synchrotron, 24:27432 (HASL-226)
Influence on relaxation lengths for high energy neutrons of the angular distribution of the incident flux, 21:21361
Neutron dose equivalents from multisphere accelerator-shield leakage spectra, 24:21024 (HASL-223)
Propagation of neutron component of nucleonic cascade at energies less than 500 MeV; theory and solution to accelerator transverse shielding problem, 22:17717
Study of the neutron cascade in iron, 23:22078
MCLAUGHLIN, J. M. Effect of earthquake criteria on nuclear plant design, 24:18531
MCLAUGHLIN, J. P. Detection of radon in the atmosphere, 24:14083
Investigations on the properties of radon daughter products using cellulose nitrate as an alpha detector, 25:44794
MCLAUGHLIN, James Experimental determination of differential energy and angle spectra for ^{137}Cs gamma rays in water, 21:7312
MCLAUGHLIN, James E. 1970 sea-level cosmic-ray neutron measuremens, 25:24928 (HASL-241)
Calculation of dose and dose-equivalent rates to man in the atmosphere from galactic cosmic-rays, 24:37281 (HASL-228)
Experimental error propagation in unfolded stray neutron spectra, 24:44243 (CONF-691101-, pp 516-36)
Feasibility study of using LiF detectors in neutron flux integrator, 23:33535 (HASL-206)
High-energy accelerator shield leakage neutron spectra, 21:7325
High-energy accelerator shield-leakage neutron spectra, 21:21012
Investigation of differential energy and angle spectra for ^{137}Cs gamma rays in water and air, 21:44143
Low dose measurements with thermoluminescent dosimeters, 23:696 (HASL-201)
Neutron spectrometry: operation HENRE (Program 6), 24:4421 (CEX-65.60)
Nuclear emulsion spectrometry at low and intermediate neutron energies, 24:33916 (HASL-230)
Tabulated values of experimentally determined differential energy and angle spectra for ^{137}Cs γ rays in water and air, 21:30806 (HASL-187)
Technique for determining moderated-neutron instrument characteristics, 24:19199 (HASL-222)
MCLAUGHLIN, John Vinyl ether hydrolysis, 23:31353
MCLAUGHLIN, L. M. Carbon composite materials, 23:46110 (Y-DA-2654)
Carbon composite materials, 24:24990 (Y-SB-10(Rev.1))
Evaluation of multilevel sprinkler systems and container materials for fire protection in high-rack storage, 25:51356 (Y-1801)
Method of fabricating articles from powders, 21:1884
Sprinkler demonstrations at Oak Ridge Y-12 plant, 24:31539 (Y-DA-3318)
MCLAUGHLIN, M. A. FFTF main heat transport system concept, 24:26800 (BNWL-554)
Preliminary fault tree analysis for FFTF, 23:37611 (BNWL-874)
System effectiveness goals for Fast Flux Test Facility, 24:11221 (BNWL-791)
MCLAUGHLIN, M. M. Combined surgical and radiation injury. III, 23:50636
MCLAUGHLIN, Mary M. Effect of neutron-gamma radiation on the morphology of the mucosa of the small intestine of germfree and conventional mice, 25:32556
Effects of the germfree state on the response of mice exposed to neutron-gamma radiation, 25:44910
Late histopathological changes in kidneys of grid-irradiated mice, 21:10965
Mortality response of neutron-irradiated mice, 22:45684
MCLAUGHLIN, R. Formation and characterization of divalent Es in a CaF$_2$ crystal, 24:38891
Optical and electron paramagnetic resonance spectroscopy of actinide ions in single crystals, 22:30543
Optical spectra of Pu in CaF$_2$, 22:20055
Solution absorption spectrum of Cf^{3+}, 21:4506
MCLAUGHLIN, R. L. Radiation-resistant chromium-activated aluminum oxide scintillator, 23:50121 (UCRL-19270)
MCLAUGHLIN, T. V. BURNUP: FORTRAN IV code for computing U and Pu fuel burnup from U, Pu, and Nd mass spectrometric measurements, 22:3929 (GEAP-5355)
BURNUP: FORTRAN IV code for computing U and Pu fuel burnup from U, Pu, and Nd mass spectrometric measurements updated to include fast reactor fuels, 25:26060 (GEAP-5355-A)
Prog. rpt. on accurate nuclear fuel burnup analysis, 12/66—3/67, 21:44836 (GEAP-5462)
MCLAUGHLIN, Thomas Patrick Yields from thermal fission of ^{235}U, 25:53800
MCLAUGHLIN, W. L. Chemical dosimeter for monitoring gamma-radiation doses of 1 to 100 krad, 25:23877
Dose-distribution measurement of high-intensity pulsed radiation by means of holographic interferometry, 25:49186
Dye systems for dosimetry of intense radiation fields, 23:2668
Electron and gamma-ray dose distributions in various media, 24:14321
MCLAUGHLIN, Walter A. Method of measuring ion beam homogeneity, 25:25587
MCLAUGHLIN, William L. Versatile chemical dosimetry systems for radiation processing, 21:36408
MCLAUGHLIN, William T. Definitive radiotherapy of primary mediastinal seminoma, 23:12164
MCLAURIN, Robert L. Craniocerebral trauma induced by laser radiation, 21:28664
Laser radiation: acute effects on cerebral cortex, 21:20346
Laser radiation. II, 22:570
MCLAURIN, William A. Ionizing irradiation: effects of repeated low-dose exposure, 22:51902
MCLEAN, A. S. Aberrations in radiation workers, 22:28437
Atomic energy: benefits and precautions, 21:34674
Chromosome studies in relation to dosimetry of acute and chronic radiation exposure, 25:21701
Conference on human radiation cytogenetics, Edinburgh, 10/66, 22:28445
MCLEAN, D. Physics of high temperature creep in metals, 21:18286
MCLEAN, D. J. Band splitting in type II solar radio bursts, 22:29043
Formation of simultaneous radio astronomical images and spectra by electro-optic methods, 22:19713
Observations of motions in a solar storm center, 24:3126
Observations of Sun at 80 MHz with Culgoora radioheliograph, 23:25074
Preliminary observations of the Sun at 80 MHz with the Culgoora radioheliograph, 23:34208
Radioheliograph observations of harmonic Type-III solar bursts, 25:35738
Scatter in positions of sources of associated Type-III solar bursts, 24:51354
Type II solar radio bursts, 23:34210
MCLEAN, E. A. Collisionless interactions between interstreaming ions in a laser-produced-plasma experiment, 25:47529
Hard-core theta pinch with reverse trapped magnetic field, 22:1141 (LA-3770, Paper G5)
Local thermal equilibrium assumption in shock tubes, 24:49133
Measurement of plasma density and particle losses in a large theta pinch, 22:1132 (LA-3770, Paper A5)
Optical measurement of plasma densities in a large theta-pinch, 22:9299
Plasma state in a coaxial accelerator, 21:39996
Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/1/66—2/28/67, 21:37418 (N-67-19949)
Prog. rpt. on diagnostics of accelerating plasma, semiannual, 3—8/68, 23:27610 (N-69-15312)
Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/68—2/69, 24:8437 (N-69-38697)
MCLEAN, E. O. Adsorption and desorption of Sr and Ca to and from soils and soil clays, 23:17569
MCLEAN, F. B. Convergence of perturbation expansions in clean type-II superconductors, 22:9247
Dynamic response of solids exposed to a pulsed-electron-beam, 23:10708
Electromagnetic transport coefficients of gapless clean type-II superconductors, 22:44031
Ultrasonic attenuation in dirty superconductors, 21:33337
Ultrasonic attenuation in dirty superconductors, 22:5297
MCLEAN, G. D. Inactivation of lettuce necrotic yellows virus by ultraviolet irradiation, 23:16443
MCLEAN, Ian Kinetics of pump-leak system of transport in ocular lens, 24:11360 (COO-2012-1)
MCLEAN, K. C. Systematics of $l = 5$ (d,p) transitions in nuclei with 89 less than or equal to A less than or equal to 101, 24:6851
MCLEAN, Kent Otho Low temperature thermal expansion of copper, silver, gold, and aluminum, 24:13676 (IS-T-337)
MCLEAN, S. Kinetic isotope effect for thermally induced migration of H in cyclopentadienes, 24:36223
MCLEAN, T. L. Some aspects of reliability in reactor instrument systems, 21:40626
MCLEAN, W. L. Interphase boundary waves in the intermediate state of lead, 25:9363 (NYO-2150-64)
Interphase boundary waves in the intermediate state of lead, 25:30429
Magnetic-field dependence of rf flux penetration in type-II superconductors, 23:10589
Proximity effect in gadolinium-backed lead films, 25:36036
Superconducting penetration depth of lead, 25:1122
Type II superconductors, 21:43948
Vortex motion in type-II superconductors, 24:3271
MCLEAN-ELRICK, Alexander Improvements in the treatment of stainless steel tubes, 22:45761
Nuclear fuel elements, 22:36533
MCLEES, R. B. Preparation and characterization of ultrafine particles from materials of high hardness, 24:33624 (Y-1723)
MCLEISH, C. W. Diameters of some quasars at a wavelength of 66.9 cm, 22:5019
Observations of quasars using interferometer baselines up to 3,074 km, 21:33097
MCLEISH, Ronaald Douglas Improvements in or relating to nuclear reactors, 21:46976
MCLELLAN, J. J. Cable-type quick release coupling, 22:16749
MCLELLAND, J. Chromosome aberrations following partial- and whole-body x irradiation in man, 22:28435
Chromosome aberrations induced in human peripheral blood, 24:34244
Chromosome damage induced by radiation, 22:43278
MCLELLAN IV, A. Stable and unstable modes in the solar corona, 22:2736
MCLELLAN IV, Alden Internal magneto-gravity plasma waves, 22:39083
Magneto—gravity waves and the heating of the solar corona, 23:27292 (N-69-11448)
Magneto-gravity waves and the heating of the solar corona, 22:47781
Modes of internal magneto-gravity waves, 22:48101 (N-68-23990)
MCLELLEAND, G. S. Corrosion protection of the Wylfa vessel cooling system, 23:11147
MCLELLON, Waldron Murrill Removal of radionuclides from water, 22:14512
MCLEMORE, R. H. Hurricane protection design, 25:28629
MCLENAGHAN, Raymond Metrics of four-dimensional symmetrical Lorentz spaces, 22:41716
MCLENNAN, Charles E. Linear accelerator in the treatment of cervical cancer: a decade of experience, 22:40812
Linear accelerator in the treatment of cervical cancer: a decade of experience, 22:49441

MCLENNAN, D. J. Bromine scrambling accompanying base-catalyzed isomerization of 1,2,4-tribromobenzene, 25:26221
MCLENNAN, Margaret T. Linear accelerator in the treatment of cervical cancer: a decade of experience, 22:40812
  Linear accelerator in the treatment of cervical cancer: a decade of experience, 22:49441
MCLEOD, D. Missing mass and spark chambers, 23:38320
MCLEOD, D. W. K^0,K^0, threshold enhancement, 24:1570
MCLEOD, G. C. Inhibition of chlorophyll synthesis in Chlamydomonas reinhardi mutant by radiation, 21:22280
MCLEOD, J. Second generation quiescent plasma source: ECH Q machine, 24:26241
MCLEOD, J. B. Analytic continuation of the resolvent kernel and scattering operator associated with the Schroedinger operator, 21:9853
  Relaxation to equilibrium of a dilute electron plasma, 21:18683
MCLEOD, J. N. Users manual for HANDY, 22:39973 (Y-1615)
MCLEOD, James Production of an in vivo labeled fibrinogen, 21:22282
MCLEOD, John Precise regulation of 500 kW dc generator, 24:24061 (LA-4250, pp E2.1-5)
MCLEOD, K. C. Coulometric determination of uranium with a platinum working electrode, 25:4025
MCLEOD, N. B. Direct substitute plutonium fuel for commercial water reactors, 21:5622 (NUS-259)
  Economics of nuclear fuel in maritime applications, 22:14230 (NUS-265-A)
MCLEOD, N. Barrie Higher power densities in water reactors, 23:28491
MCLEOD, P. S. Controlled electron beam evaporation of Be, 23:20492
MCLLROY, William Localization of ^{197}Hg chlormerodrin and sodium ^{131}I in the female reproductive tract, 23:4880
MCLOUGHLIN, D. Technique for determination of depletion depth in Ge(Li) counters, 22:14797
MCLOUGHLIN, G. P. Application of /sup 99m/Tc in assessment of gastric function, 22:36306
MCLOUGHLIN, J. H. AGR for export at Pound 36 per kW, 21:25649
MCLVOR, M. C. Nuclear magnetic resonance at high fields, 23:23254
MCMAHAN, C. Alex Three-alpha final state interactions, 25:17769
MCMAHAN, Clyde Alex Three-alpha final state interactions with Faddeev theory, 25:20300
MCMAHAN, Elizabeth A. Diversity of microarthropods after irradiation, 25:21818 (TID-24270, pp E.151-8)
  Effects of radiation on termite, 23:12190
  Radiation and the termites at El Verde, 25:21817 (TID-24270, pp E.105-22)
MCMAHAN, M. E. Remote encapsulation and TREAT capsule handling techniques, 24:16741 (CONF-690910-, pp 759-74)
MCMAHAN, W. H. Investigation of the scattering of laser light by a plasma, 21:13549
MCMAHILL, Clark E. Electrically controlled jet system for remote or automatic jet operation, 21:4647 (RL-GEN-1249)
MCMAHON, C. J. Jr. Microstructural aspects of fracture toughness in a cobalt-base superalloy, 25:35490
MCMAHON, Diane M. Acid- and water-catalyzed hydrolysis of p-nitrophenyl esters, 24:9281
  Hydrolysis of bis(4-nitrophenyl) carbonate and the general base catalyzed hydrolysis of o-(4-nitrophenylene) carbonate, 25:2181
MCMAHON, James J. Head and neck exposures from Panoramix roentgenography, 24:31980 (BRH/DEP-70-5)
  Head and neck exposures from Panoramix roentgenography, 25:19001
MCMAHON, Robert E. Ion specific detection of internal standards labelled with stable isotopes, 25:28967
MCMAHON, T. Development of ferrite core readout on the pulsed electrode of wire planes, 21:10650
  Second generation wire spark chamber system, 21:16106 (CONF-660918-, pp 39-40)
MCMAHON, T. J. Analyzing power of aluminum for 490 MeV protons, 24:29576
MCMAHON, W. R. Hemispherical spectral emittance of thulium oxide, 22:4768 (IS-1688)
  Hemispherical spectral emittance of selected rare earth oxides, 22:28929
MCMAHON, William Raymond Hemispherical spectral emittance of selected rare earth oxides, 21:38925 (IS-T-182)
MCMAIN, A. T. Uses of a TRIGA neutrovision system including examination of radioactive material, 24:5833
MCMAIN, A. T. Jr. High pulsing in TRIGA annular core reactor: design and development, 22:33020
  Research reactors, 23:43146 (CONF-670338, pp 321-44)
MCMAIN, Albert T. Experimental capabilities and performance of TRIGA research and test reactors for neutron applications, 25:50593 (CONF-710402-(Vol.2), pp I.1-9)
  Neutron radiography with a TRIGA NEUTROVISION system, 25:48762 (CONF-710402-(Vol.3), pp IV.78-86)
MCMANAMAN, V. L. Experimental data on the production of ^{41}Ar in reactor exposure rooms, 22:51625
  Tissue-equivalent kerma variation during and after a reactor excursion, 24:6039
MCMANE, Douglas Glenn Reactions of trans-di-μ-chlorodichlorobis(ethylene)diplatinum(II), 21:42912 (IS-T-177)
MCMANNON, R. U. Design features of Mound Laboratory's Medical Decontamination facility, 25:54963 (CONF-710401-, pp 311-15)
MCMANUS, Dean A. Continental shelf sediment near the Columbia River, northwestern United States, 21:36175 (RLO-1725-72)
  Hierarchical analysis of variance of shelf sediment texture, 23:43244 (RLO-1725-155)
MCMANUS, H. Core polarization in inelastic proton scattering, 24:43255
  Core polarization in reaction ^{209}Bi(p,p')^{209}Bi(1.61 MeV) at 39.5 MeV, 24:35875
  Effect of core polarization of ^{209}Bi(p,p')^{209}Bi (1.61 Mev) reaction at 39.5 MeV, 24:22138 (COO-1051-40)
  Elastic and inelastic pion-^{12}C scattering at intermediate energies, 25:43830
  Excitation of various levels of ^{12}C and ^{16}O by 156-MeV protons, 21:44590
  Finite-nucleus G matrix in the microscopic description of inelastic proton scattering, 23:23794
  Inelastic proton scattering from ^{207}Pb, 24:43410
  Nuclear matrix elements deduced from N—N phase shifts, 23:44999
  Prog. rpt. on scattering problems including the scattering of particles by nuclei, 22:27088 (COO-1051-21)
  Reaction matrix elements for closed-shell nuclei using realistic forces, 22:32506
  Real part of the optical potential in proton—nucleus scattering, 22:44774
  Theoretical study of elastic and inelastic pion—^{12}C scattering at intermediate energies, 25:25639 (COO-1051-45)
  Theoretical treatment of elastic and inelastic scattering of 1-GeV protons from nuclei, 22:15815
MCMANUS, J. G. Process for finish machining reactor pressure tubes, 23:21479 (AECL-3252)
  Recent developments in international safeguards, 24:450
  TRUST: tamper-resistant unattended safeguards techniques. A joint Canada/USA progress report, 24:39177 (SC-DC-70-4947)
  Unattended tamper-resistant safeguards instrumentation, 24:39187 (WASH-1147, pp 50-7)
MCMANUS, John Gerald Reactor fuel tube end closures, 24:29096
MCMANUS, M. In-reactor pressure tube gauging equipment, 24:4162 (AECL-3426)
MCMANUS, Samuel P. Acid-catalyzed cyclization reactions. IX. The formation of oxazolinium and thiazolinium cations from N-allyl and substituted N-allylamides, -urethans, -ureas, and -thioureas, 25:2179
MCMANUS, W. R. Estimation of water content by tritium dilution, 23:50297
MCMARTIN, H. L. Panel: implementation of Public Law 90-602, 24:34185 (CONF-690335, pp 57-71)
MCMASTER, W. H. Compilation of x-ray cross sections, 24:24138 (UCRL-50174(Sect.4))
  Compilation of x-ray cross sections, 21:39798 (UCRL-70525)
  Compilation of x-ray cross sections, 23:41914 (UCRL-50174(Sec.2)(Rev.1))
  Compilation of x-ray cross sections. III, 24:15149 (UCRL-50174(Sect.3))
  Compilation of x-ray cross sections. I, 24:30132 (UCRL-50174(Sec.1))
MCMASTERS, O. D. Comparative analysis of the silver-rich alloys in the rare earth—silver binary systems, 23:8208 (CONF-681020-(Vol.1), pp 207-19)
  Correlations between systems of Y with groups IVB and VB elements, 25:686 (CONF-700403-(Vol.2), pp 598-609)
  Dysprosium—lead system, 22:31398
  Europium—lead system, 21:45962
  Factors influencing the formation of silver-rich solid solutions in rare-earth—silver alloy systems, 24:36929
  Lanthanum—lead system, 22:47686
  Lutetium—lead system, 24:2966
  Samarium—gold and dysprosium—gold alloy systems, 25:52373 (CONF-711001-(Vol.1), pp 361-7)
  Stoichiometry, crystal structures, and some melting points of the La—Au alloys, 25:55570
  Ytterbium—indium system, 25:24602
  Ytterbium—lead and europium—lead systems, 22:23808 (CONF-670502-, pp 440-8)
  Ytterbium—lead system, 21:28788
  Yttrium—antimony alloy system, 24:39663
  Yttrium—bismuth alloy system, 23:34007
  Yttrium—tin alloy system, 22:31410
MCMATH, T. A. Charge trapping in semiconductor detectors: a theoretical approach, 25:23762 (AECL-3786)
  Effect of charge trapping on p-i-n semiconductor detectors, 25:403
  Effects of operating temperature on the behaviour of semiconductor detectors, 24:39291
  g factor of the 603-keV level in ^{124}Te, 21:23518
  g factor of the 633-keV level in ^{190}Os, 21:23517
  Nuclear g factor of the first excited state in ^{106}Pd and the internal field on Pd in Ni, 21:25557
  Nuclear g factors of the first excited states of ^{76}Se and ^{122}Te, 21:25497
  Nuclear g-factor of the 356-keV level in ^{196}Pt and the internal field on mercury in iron, 22:14058
  Performance of Si(Li) detectors, 24:5909
  Perturbed angular correlations in ^{177}Hf, 22:39676
  Risetime spectrometer for studying pulse shapes in Ge(Li) gamma-ray detectors, 22:49109
  Some observations on germanium γ-ray spectrometers made from high purity p-type material, 25:57820
  Trapping and detrapping effects in Li-drifted Ge and Si detectors, 24:29504
  Trapping and detrapping in Si(Li) detectors at low temperatures, 23:41027
MCMEEL, J. W. Bragg peak pituitary destruction for diabetic retinopathy, 21:26550
MCMENAMIN, J. C. Josephson frequency—voltage relation at microwave and far-infrared frequencies, 23:42208
MCMICHAEL, Kirk D. Secondary deuterium isotope effects on a cyclic allylic rearrangement, 21:27961
MCMILLAN, A. R. Dimple, spall, and perforation characteristics in aluminum, columbium, and steel plates under hypervelocity impact, 21:9142 (N-66-28010)
MCMILLAN, Bradford B. Sceptre users manual, 25:37251 (UCRL-20659)
MCMILLAN, Clara A. Associated Colleges of Chicago area lectures on point symmetry, 21:32073 (TID-23857)
MCMILLAN, D. E. Computer control of analyzing magnets at Van de Graaff facility, 24:35753
  Computer control of Van de Graaff accelerator vacuum systems, 25:25595
MCMILLAN, D. J. 2+ and 4+ members of the beta and gamma vibrational bands in ^{156}Gd, 24:43355
  Conversion electron measurements in decay of ^{156}Tb, 25:20472
  Decay of ^{160}Tb to levels in ^{160}Dy, 23:1895
  Energy levels in ^{156}Gd, 25:50759
  Systematics of Kπ = 0- and 1-octupole bands in transitional nuclei, 24:43354
MCMILLAN, D. K. Decay of ^{80}As, 25:59749
  Decay of 91 min ^{78}As, 24:20381
  Levels in ^{76}Se populated in β-decay of ^{76}As, 25:59748
MCMILLAN, David Jon Levels in the deformed even—even nuclei ^{156}Gd and ^{160}Dy, 25:1752
MCMILLAN, Dean E. LASL multi-computer Van de Graaff control and graphic display system, 25:50377
MCMILLAN, Edwin M. Electron ring accelerator program at Lawrence Radiation Laboratory, 25:7777 (UCRL-20084)
  Long-term stability for particle orbits, 23:5724 (NYO-1480-101)
  Some thoughts on stability in nonlinear periodic focusing systems, 22:1532 (UCRL-17795)
  Stability in nonlinear periodic focusing systems, 22:32371 (UCRL-17795(Add.))
MCMILLAN, F. L. Implementation of a rigorous management control system for reactor operation, 25:51189
MCMILLAN, J. A. Electron spin resonance absorption spectrum of CO_2^- molecule ions associated with F^- ions in single-crystal calcite, 23:10714
  ESR spectra of hole-trap centers in irradiated single-crystal calcite, 24:8527
  Hyperfine interactions: tables of isotropic and anisotropic parameters for the atoms hydrogen to bismuth, 25:27441 (ANL-7784)
MCMILLAN, J. I. Application of photoinduced reactions to nuclear materials safeguards problems, 23:10997 (GA-8812)
  Application of photoinduced reactions to nuclear materials safeguards problems, 24:15867 (GA-9614)
  Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1969—June 30, 1970, 25:355 (GA-10272)
  Precision of nondestructive nuclear material assays, 23:2231
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 1—3/69, 23:28719 (GA-9331)
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 7/1/69—9/30/69, 24:31641 (GA-9871)
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 10—12/69, 24:31642 (GA-9943)
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 7—9/70, 25:21281 (GULF-RT-10459)
  Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 10/70—12/70, 25:23753 (GULF-RT-10511)
  Use of periodic permanent magnet focusing in electron linacs, 25:50428
MCMILLAN, J. W. Activation analysis with standards containing two or more active nuclides, 23:2219
  Determination of ^{46}Ti in bremsstrahlung irradiated Ti foils, 24:9243 (AERE-R-6203)
  Effect of neutron irradiation upon oxidation of 20 wt percent Cr/25 wt percent Ni/Nb stabilized stainless steel by CO_2 between 580 and 840°C, 22:19593
  Photonuclear reactions (γ,np) and (γ,2n) in ^{48}Ti, 24:45765
  Radioactive tracer methods in inorganic trace analysis, 21:45054
  Rapid determination of ^{233}Pa, 22:7985 (AERE-AM-105)
MCMILLAN, Juan A. Associated Colleges of Chicago area lectures on point symmetry, 21:32073 (TID-23857)
  Electron paramagnetic resonance spectroscopy, 25:28838 (ANL-7764)
MCMILLAN, Malcolm Calculation of the ^{3}He charge form factor, 25:33960
  Symmetric S- and D-state components of triton wave function, 22:5892
  Triton wave function in Feshbach—Rubinow approximation, 25:12364
MCMILLAN, Paul N. Flotation-fractionation of late fetal, neonatal, and adult rat brain in iso-osmotic Ficoll-sucrose density-gradients, 25:57257 (ORO-3195-45)
  Isolation and biochemical characterization of subfractions of rat central nervous tissue myelin, 25:57258 (ORO-3195-46)
  Sequential adsorption analysis of antimyelin antibodies, 25:57255 (ORO-3195-43)
  Sequential adsorption analysis of antisynaptosome antibodies, 25:57254 (ORO-3195-42)
  Sequential adsorption analysis of radioantibodies, 25:57253 (ORO-3195-41)
  Zonal centrifuge profile analysis of msd mutant mouse brain, 25:57256 (ORO-3195-44)
MCMILLAN, R. N. H. Control characteristics of the various types of nuclear plants, 21:17502
  Control of SGHWRs, 23:13395
  Physics and control of steam generating heavy water reactor, 22:16161 (TRG-Report-1343)

- MCMILLAN, Robert Leukocyte labeling with ^{51}Cr. I, 23:6380
- MCMILLAN, Robert C. Investigation of tritiated luminous compounds, 25:49079 (NP-18974)
- MCMILLAN, T. S. Water-cooled twin calorimeter for Cm slug assay, 24:25322 (DP-1217)
- MCMILLAN, Thomas S. Preparation of high energy γ source by electrodeposition of ^{228}Th from fused salts, 24:376 (DP-1166)
- MCMILLAN, W. G. Prog. rpt. on intra- and intermolecular energy transfer studies, 5/70—5/71, 25:54600 (UCLA-34-P-88-32)
- MCMILLAN, W. L. Phonon emission and self-energy effects in normal-metal tunneling, 23:27708
  - Quantum liquids. II, 23:30466
  - Superconductivity and lattice dynamics of white tin, 25:33180
  - Superconductivity of Re—Os, Re—Ru, Ru—Os, and Re—W hcp alloy systems and slightly doped Re, 25:30433
  - Temperature and purity dependence of superconducting critical field H/sub c2/. IV, 21:33305
  - Theory of strongly interacting quantum liquids. I, 22:50263
  - Theory of superconductor—normal-metal interfaces, 23:1346
  - Transition temperature of strong-coupled superconductors, 22:17553
  - Tunneling and strong-coupling superconductivity, 23:27559
  - Tunneling model of the superconducting proximity effect, 23:1349
- MCMILLEN, L. W. Kinetics of ion exchange, 24:18940
- MCMILLEN, R. E. Natural terrestrial background variations between residences, 25:46827 (UCRL-72964)
- MCMILLIN, D. Calculation of production of pions by 450-MeV protons on nuclei, 22:35388
- MCMINN, K. W. Development of hammer-swaged triaxial mineral insulated cables for use with high-temperature neutron detectors, 25:6530 (AEEW-R-698)
  - Development of mineral insulated cables for in-core neutron detectors, 25:23827
  - Note on the vacuum processing of magnesia insulated cables and associated components, 24:27324 (AEEW-M-959)
- MCMINN, T. J. Prog. rpt. on successive substitution in Morse inference, 11/67, 22:10147 (SC-RR-67-599)
- MCMORRIS, D. W. ESR detection of fossil alpha damage in quartz, 24:27230
- MCMORROW, D. R. Proton-alpha particle counter for the Apollo system, 24:9653
- MCMULLAN, D. Conference on photo-electronic image devices, London, 9/65, 22:4539
  - Conference on photo-electronic image devices, London, 9/65, 22:4547
- MCMULLAN, P. S. Budget allocation for shelter systems, 21:36313 (R-OU-230-1)
- MCMULLAN, Philip S. Extension of general sensitivity analysis. I, 21:36555 (AD-650927)
- MCMULLEN, B. Vacuum distillation-vapor filtered, catalytic oxidation for water reclamation using radioisotopes for thermal energy, 24:44206
- MCMULLEN, C. C. Boron isotopic fractionation during clay adsorption from sea-water, 23:33281
  - Half-life of ^{87}Rb, 21:5519
- MCMURDIE, Howard F. Phase diagrams for ceramists: 1969 Supplement, 23:44022
- MCMURPHY, F. Contracted basis set analytic self-consistent field wave functions for transition metal atoms, 21:30404 (UCRL-50260)
  - Limited-basis-set analytic self-consistent-field wave functions for transition-metal atoms, 22:9053
- MCMURRAY, W. R. Analysis of reaction ^{39}K(d,α)^{37}Ar on the basis of the statistical model, 22:41992
  - Energy levels of ^{139}La and ^{141}Pr from (n,n'γ) measurements, 23:15481
  - Energy levels of ^{41}Ar, 24:43258
  - Fast neutron scattering from ^{139}La and ^{141}Pr, 23:13301
  - Fluctuation analysis of the reaction ^{44}Ca(p,n)^{44}Sc, 21:31741
  - Level structures of ^{232}Th and ^{238}U, 24:43361
  - Neutron scattering from La and Pr, 22:27218
  - Prog. rpt. on nuclear physics, annual, 1966, 22:11948 (NP-17216)
  - Prog. rpt. on nuclear research, annual, 1967, 22:26932 (NP-17434)
  - Prog. rpt. on nuclear research, annual, 1969, 24:40577 (SUNI-10)
  - Prog. rpt., annual, 1968, 23:39941 (NP-17890)
  - Prog. rpt., annual, 1970, 25:56752 (SUNI-14)
  - Properties of excited states in ^{34}S from studies of the (α,γ) and (α,n) reactions on ^{30}Si, 21:5508
  - Reaction (^{6}Li(^{3}He,n)^{8}B) mechanism, 22:1609
  - Reaction ^{30}Si(p,γ)^{31}P, 23:13251
  - Reaction ^{6}Li(^{3}He,n$_{0}$)^{8}B mechanism, 22:26887
  - Reactions (d,α) on nuclei in mass range 24 to 41, 24:3891
  - Reactions Ca(p,n)Sc. I, 21:31740
  - Study of (^{3}He,n) reactions on ^{24}Mg, ^{28}Si, and ^{32}S, 21:7749
  - Time-of-flight particle identification system, 21:19939
- MCMURRAY, W. Roy Isotopic determination of ^{43}Ca and ^{48}Ca by neutron time-of-flight spectrometry, 22:14447
- MCMURRY, H. L. Adjuster: force constant adjuster program to obtain least squares fit to observed frequencies of molecules and crystals, 22:11491 (IN-1148)
  - Application of Solbrig's cell-dipole method to molecular crystals, 25:3953 (IN-1410)
  - Calculated scattering law and thermal neutron spectrum for benzene, 22:30379
  - Computing program for crystal vibrations which includes long-range coulomb interactions, 23:23604 (IN-1280)
  - D Matrix: computer program for calculating valence force coordinates, 21:27933 (IN-1076)
  - Electron ground states in molecular and valence-bonded crystals, 25:3226 (IN-1420)
  - MACS M: program for computing the crystal dynamical matrix, phonon dispersion relations, and structure factors for neutron inelastic scattering, 22:1294 (IN-1125)
  - MATRIX: force constant adjuster program to obtain least squares fit to observed frequencies of molecules and crystals, 21:23247 (IN-1077)
  - Molecular potential function in terms of group valence force symmetry coordinates, 25:31696 (IN-1421)
  - MVFC: computer program for constructing force constant matrices for use in valence force potential functions in molecules and crystals, 23:28601 (IN-1282)
  - Preparation of H_2O and D_2O slow neutron scattering kernels for ENDF using MR type models, 21:19148 (IN-1065)
- MCMURTREY, M. J. Radiation effects on life cycle of M. pneumoniae, 22:52046
  - Susceptibility of human mycoplasmata to ultraviolet and x irradiations, 22:49649
- MCMURTRY, C. H. Prog. rpt. on preparation of mixed carbide fuel utilizing coprecipitation, 5-8/66, 21:472 (TID-23364)
  - Prog. rpt. on preparation of mixed carbide fuel utilizing coprecipitation, 9—11/66, 21:11278 (NYO-3713-2)
  - Prog. rpt. on the preparation of mixed carbide fuel utilizing coprecipitation, final, 5/23/66—2/28/67, 22:19609 (NYO-3713-3)
- MCNAB, I. R. Density-time profiles for an electric propulsion unit efflux, 21:9591
  - Large nonequilibrium conductivity in a closed-cycle MPD channel, 22:45990
  - MHD cycles and large-scale experiments. III, 22:5186
  - Nonequilibrium electron mode for kilowatt-range MPD space power, 22:19830
  - Prospects for closed cycle MPD power generation, 21:37229
- MCNAB, T. K. Superparamagnetism of ferrite particles, 22:46225
- MCNABB, A. Inverse problem of radioisotope diagnosis, 24:2732
- MCNABB, Harold S. Jr. Proceedings of Iowa Academy of Science, Dubuque, Iowa, 4/65, 22:12220
- MCNABB, J. R. Chemical processing facility to recovery actinide isotopes produced in underground nuclear explosions, 23:4719 (UCRL-50499)
- MCNABB, P. W. Propagation of Pc1 geomagnetic micropulsations in magnetosphere and the ionosphere, 23:18504 (AD-673991)
- MCNABB, Wallace M. Thermal analysis of some metal benzohydroxamates, 21:64
- MCNAIR, A. Beta decay energy from the fission products of ^{239}Pu, 24:18431
  - Development of a 4π liquid scintillation counting method for the absolute standardization of radioactive solutions with particular reference to efficiency tracing measurements, 22:14766
  - Energy released as kinetic energy of β-particles in decay fission products of ^{235}U, 23:25920
  - Measurement of fission cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 23:37249
- MCNALL, J. F. Observations of stars in the spectral region lambdalambda2800 to 2100, 22:43779
  - Ultraviolet photometry from the orbiting astronomical observatory. I, 24:42335
- MCNALLY, D. Collapse of interstellar gas clouds. II, 22:47728
  - Collapse of interstellar gas clouds. III, 24:12611
  - Collapse of interstellar gas clouds. IV, 24:15041
  - Fragmentation and angular momentum in theories of star formation, 21:31188
  - Fragmentation of interstellar gas clouds, 25:24706
  - Numerical methods in gravitational collapse problems, 21:31183
  - Properties of the interstellar medium, 21:31178
  - Rotation of interstellar gas clouds, 25:24714
  - T Tauri stars, 22:7128
- MCNALLY, J. H. Fission and capture cross sections of some curium isotopes from the physics 8 nuclear explosion, 25:38987 (LA-4566)
  - Neutron induced fission cross-section measurements in ^{244}Cm, 23:5926
  - Neutron-induced fission cross section of ^{252}Cf, 25:48078
- MCNALLY, J. R. Oak Ridge Tokamak research, 25:38493 (CONF-710607-26)
- MCNALLY, J. R. Jr. CuD in Burnout V, 25:24852
  - Doppler-broadened spectral emission from turbulently heated plasma, 23:42278
  - Recent Zeeman results in Er I, 23:44163
  - Recent Zeeman results in Er II, 24:15136
  - Use of optical spectra to measure large electric fields in a hot-ion plasma, 25:11874
  - Zeeman results in Dy II, 24:47000
- MCNALLY, J. Rand Jr. Excitation—heating of ions, 23:23077
  - Fusion chain reactions. I, 25:27796
  - Fusion chain reactions. II, 25:27797
  - Fusion chain reactions. III, 25:27725
  - Nuclear fusion resonance reactions of possible CTR interest, 25:7417 (ORNL-TM-3233)
  - Nuclear fusion resonance reactions of possible CTR interest, 25:9507 (ORNL-TM-3233(Rev.))
  - Prospects of a multi-MeV H_2^+ injection-accumulation experiment, 25:9506 (ORNL-TM-3207)
- MCNALLY, James K. Sensitivity loss in proportional counters of a nuclear power plant, 21:45333 (AD-634621)
- MCNALLY, N. J. Biological dosimeter using mammalian cells in tissue culture, 24:6036
- MCNALLY, P. J. Ion implantation in InAs and InSb, 25:19828
- MCNALLY, Paul H. Preparation of thoria sols by electrodialysis, 21:3539
- MCNALLY, R. N. Fusion-cast carbide—boride—graphite ceramics, 23:12430
- MCNAMARA, A. G. Observation of auroral ionization by two separated radars, 21:43938
  - Physical model of a radio aurora event, 23:46408
  - Plasma densities and temperatures in visual aurora, 24:35282
- MCNAMARA, B. Calculations of plasma loss and plasma potential in mirror machines, 22:52728 (CONF-671127, pp 280-308)
  - Containment of high-density plasma, 23:32328
  - Invariants of nearly periodic Hamiltonian systems, 22:34809
  - Numerical experiments on nonlinear plasma instabilities, 25:56205
  - Plasma diffusion in two dimensions, 25:40586
- MCNAMARA, Bernard J. Positional determination of NP 0532, 25:58537
- MCNAMARA, D. Topology of filaments and chromospheric fibrils near sunspots, 25:55749
- MCNAMARA, D. H. Interstellar reddening of RR Lyrae, 24:27912
  - Intrinsic color index and absolute magnitude of Polaris, 23:14464
  - Intrinsic color indices of RR Lyrae stars, 23:22743
  - Line-blanketing effects on uvbyβ photometric system, 24:17450
  - Luminosities of Beta Cephei, 22:43742
  - Metal deficiencies versus microturbulence as source of ultraviolet excess and Δm_1 residuals, 22:5012
  - Metal deficiency of the second component of the eclipsing system U Cephei, 21:46060
  - Photometry of globular star clusters, 23:48629
  - Photometry of the eclipsing star ZZ Bootis, 25:32917
  - Photometry of visual binaries, 25:4898
  - Spectrographic study of eclipsing binary TX Ursae Majoris, 23:6784
- MCNAMARA, Delbert H. Intermediate-band and narrow-band photometry of stars, 24:37017 (PB-183999)
- MCNAMARA, James Protein-bound iodine determination by activation analysis, 21:19552
- MCNAMEE, P. K/sub l5/ form factors from PCAC and current algebra, 21:31570
- MCNAMEE, P. C. Weak electron scattering: $e^- + p \rightharpoonup \Lambda + \tau$, 23:18868
- MCNAMEE, Peter Electric dipole moment of the neutron in the V—Ae/sup iphi/ theory of weak interactions, 23:23431
  - K/sub l5/ form factors from partially conserved axial-vector current and current algebra, 22:26612
- MCNAMEE, Peter Charles K/sub l5/ form factors from PCAC and current algebra and leptonic weak interactions of hyperfragment, /sub Λ/^{4}H, 22:24622
- MCNAMEE, Richard James Relationship between holdup and flooding in a pulsed, sieve plate extraction column, 22:20996 (ORNL-TM-1229)
- MCNARRY, L. R. Polarization of solar radio emission at 74 MHz: May 18—26, 1967, 24:25899
- MCNARY, William F. Jr. Spectroscopic ultramicroanalysis with a laser, 21:27925
- MCNAUGHTON, D. J. Quasi-independent model for atomic structure calculations, 24:6376
  - Relationship of quasi-independent model to Hartree—Fock model, 24:6377
- MCNAUGHTON, G. S. Preliminary experiments in polymer grafting to wool, 22:48875 (INS-R-58)
  - Pulse radiolysis of S compounds. I, 22:2166
  - Pulse radiolysis of sulfur compounds. II, 22:25420
- MCNEAL, N. Heat transfer in heterogeneous UO_2—PuO_2, and UC—PuC fuels in EBR-II, 24:33331
  - Response of fast reactors during Na boiling accidents, 22:53383
  - Theoretical studies of the response of fast reactors during sodium boiling accidents, 22:5971
- MCNEAL, N. A. Fast reactor accident study code, SAS1A, 23:40426 (CONF-690401-, pp 51-4)
  - Reactivity transients leading to disassembly in oxide-fueled fast reactors, 23:37569
  - SAS1A: a computer code for the analysis of fast-reactor power and flow transients, 25:28727 (ANL-7607)
- MCNEAL, R. J. Cross sections for positive-ion and electron production in collisions of 1 to 25-keV hydrogen atoms with atomic and molecular gases, 24:37261
  - Ionization and excitation of N by protons, 23:48749
  - Lyman alpha emission cross sections for collisions of H^+ and H with N_2 and O_2, 25:40487
  - Production of positive ions and electrons in collisions of 1- to 25-keV protons and H atoms with CO, CO_2, CH_4, and NH_3, 25:4963
- MCNEAL, Robert J. Basic processes and cross sections in proton auroras, 25:16887 (AD-713691)
  - Ionization and excitation of N by protons and H atoms in energy range 1 to 25 keV, 24:17653 (AD-693127)
- MCNEARNEY, S. Effects of reactor radiation on concrete, 25:30022 (EUR-4531, pp 237-65)
- MCNEECE, J. P. Demonstration of the need for a high flux neutron beam in neutron radiography development, 24:5843
- MCNEELY, W. A. Jr. Proton polarization in scattering of 90 to 300 MeV protons from ^{12}C, 21:38229 (CALT-68-113)
- MCNEESE, L. E. Advances in the development of molten-salt breeder reactors, 25:39209 (A/CONF.49/P-48)
  - Design of engineering-scale, vacuum distillation experiment for molten-salt reactor fuel, 23:2379 (ORNL-TM-2213)
  - Engineering development of MSBR fuel recycle, 23:4227
  - Engineering development of MSBR fuel recycle, 24:11199
  - Engineering development of on-site processing for molten salt breeder reactors, 22:23093 (CONF-660524-, pp 653-69)
  - Engineering development studies for Molten-Salt Breeder Reactor Processing No. 1, 25:4138 (ORNL-TM-3053)
  - Engineering development studies for molten-salt breeder reactor processing No. 2, 25:18138 (ORNL-TM-3137)

  - Engineering development studies for Molten-Salt Breeder Reactor Processing No. 3, 25:34694 (ORNL-TM-3138)
  - Engineering development studies for MSBR processing No. 4, 25:51585 (ORNL-TM-3139)
  - Fuel recycle system in a molten salt reactor, 21:3156
  - Liquid—liquid removal of Pa, 24:4361
  - Low pressure distillation and its application to processing of MSBR fuels, 21:17707 (ORNL-TM-1730)
  - Low-pressure distillation of a portion of the fuel carrier salt from the Molten Salt Reactor Experiment, 25:48259 (ORNL-4577)
  - Low-pressure distillation of molten fluoride mixtures: nonradioactive tests for the MSRE distillation experiment, 25:10210 (ORNL-4434)
  - Measurement of the relative volatilities of fluorides of Ce, La, Pr, Nd, Sm, Eu, Ba, Sr, Y, and Zr in mixtures of LiF and BeF_2, 22:10324 (ORNL-TM-2058)
  - Molten-salt breeder reactor fuel processing, 25:39588
  - Molten-salt reactor processing, 22:12406 (ORNL-4094, pp 61-9)
  - Molten-salt reactor processing, 22:16484 (ORNL-4075, pp 62-6)
  - Molten-salt reactor processing, 22:27861 (ORNL-4204, pp 60-7)
  - Prog. rpt. on chemical technology, 4—6/67, 22:27863 (ORNL-4204)
  - Prog. rpt. on unit operations section, 1—3/68, 23:49896 (ORNL-4364)
  - Prog. rpt. on unit operations section, 10—12/67, 23:49895 (ORNL-4235)
  - Prog. rpt. on unit operations, 7—9/67, 23:35260 (ORNL-4234)
  - Prog. rpt. on unit operations, 7—9/68, 24:22729 (ORNL-4366)
- MCNEIL, D. A. C. ESR of radicals in γ-irradiated heptasulphurimide S_7NH and tetrasulphurtetraimide, $S_4(NH)_4$, 24:38952
  - Structure and reactivity of transition-metal complexes with polyatomic ligands. IV, 21:4566
- MCNEIL, Harry Acoustic instabilities in a constant-flux gas-core nuclear rocket, 24:31123
- MCNEIL, J. PM-3A nuclear power plant experience and changes, 21:12214 (MND-3315-1)
- MCNEIL, K. G. Angular distributions of fast photoneutrons from thirteen elements, 23 less than or equal to Z less than or equal to 82, 22:44656
  - Photoneutron angular distribution measurements, 24:27401
- MCNEIL, Richard P. Physical regions of six-particle processes, 24:10863
- MCNEIL, W. R. Dynamics of electron beam flow from pulsed, high current field emission cathodes, 23:27945
- MCNEILL, F. A. Amplifying mechanism in the magnetosphere, 23:1279
  - Frequency shifts on whistler mode signals from stabilized vlf transmitter, 21:31318
  - Vlf radio observations of magnetic impulses in the plasmasphere, 24:45095
- MCNEILL, H. Acoustic instability in a fission gas, 22:32949
- MCNEILL, Harry Acoustic instabilities in a gaseous core nuclear rocket, 23:47283
  - Acoustic instability with neutronic feedback in a gas core nuclear rocket, 23:37668
  - Interaction of neutronics and acoustics in a gaseous core nuclear rocket, 24:52980
- MCNEILL, J. R. Aberrations in leukocyte chromosomes, 24:14462
  - Biological dosimetry in an industrial radiography accident, 24:25439 (CONF-700205-1)
  - Biological dosimetry in an industrial radiography accident, 25:55228
  - Biological dosimetry, 24:25491
- MCNEILL, K. G. Angular distribution of fast photoneutrons for nuclides with N about 56, 21:44642
  - Anisotropy of fast photoneutrons from chromium, 23:3988
  - Body burdens of ^{137}Cs in Toronto in 1964—67, 22:8532
  - Cross section for reaction $^{16}O(\gamma,n_0)^{15}O$ at giant resonance energies, 23:34732
  - Ground state photoneutron angular distributions in giant resonance of ^{16}O, 24:52463
  - ING: a good thing: under certain conditions, 22:39512
  - Measurements of ^{47}Ca and ^{85}Sr in human subjects, 21:6415
  - Photodisintegration of nickel isotopes, 23:39997
  - Photoneutron spectra from ^{141}Pr and lead, 24:47644
  - Photoproton yields from the titanium isotopes, 22:1636
  - Pu—Be sources in in vivo neutron activation analysis, 25:39450
  - Studies of alpha decay of ^{233}U, 21:38369
  - Thorium body burdens in humans following Thorotrast myelography, 23:10103
  - University of Toronto linear accelerator, 22:9737
- MCNEILL, Kenneth G. Radioactivity hazards in laboratory techniques, 23:50551 (PHS-999-RH-33, pp 78-86)
- MCNEILL, P. C. Density-time profiles for an electric propulsion unit efflux, 21:9591
  - Experimental bombardment ion source, 21:9352
- MCNEILL, R. L. Feasibility of rapid soil investigations using high-speed, earth-penetrating projectiles, 21:38838 (SC-DC-67-1922)
  - Rapid soil investigations using high-speed, earth-penetrating projectiles, 23:9544
- MCNEILL, R. William Grid diaphragm image diffuser for secondary radiation control, 21:22550
- MCNEILL, T. A. Density distribution analysis of in vivo and in vitro colony forming cells in developing fetal liver, 24:32229
  - Density distribution analysis of in vivo and in vitro colony forming cells in bone marrow, 24:32228
- MCNEILL, W. Gas phase anodization of tantalum, 22:621
- MCNEILL, W. H. Effect of acceleration and drift region configurations upon the propagation of intense electron beams, 25:50400
- MCNEILL, William Sputtering due to negative oxygen ions in oxygen discharges, 22:11214
- MCNEILLY, C. E. Determination of O/metal ratios for U, Pu, and (U,Pu) mixed oxides, 25:22179
  - Properties of molten ceramics, 25:19273 (BNWL-SA-3579)
  - Pseudo ternary system $BeO—UO_2—PuO_2$, 21:16651 (BNWL-350)
  - Some property measurements on promethium sesquioxide, 22:33604 (BNWL-SA-1796)
  - Thermal analysis of promethium oxalate, 23:50065
  - Thermal analysis of promethium oxalate, 25:29172
  - Thermal diffusivity, thermal conductivity, and transformation temperatures of curium sesquioxide, 24:21429
- MCNEILLY, Gregory Scott Reaction $^{24}Mg(\alpha,\alpha'\gamma)^{24}Mg$, 25:31273
  - Reaction mechanism studies of single and double differential cross sections from the reaction $^{24}Mg(\alpha; \alpha',\gamma)^{24}Mg$, 24:52468 (CTC-43)
- MCNEILLY, John H. Evaluation of the response of silicon diode dosimeters to fast neutrons, 21:3315 (AD-641559)
- MCNEILLY, John M. Pulsed radiation energy spectrometer using ferroelectrics, 22:12580
- MCNEISH, James Walter Monitoring systems, 25:46652
- MCNEISH, W. A. Welding of refractory metals in InFab, 23:26434
- MCNELIS, D. N. Aerosol preparation, generation, and assessment, Project Hare, 24:25128 (SWRHL-75-r)
  - Exposure-dose research for radionuclides in natural gas, 24:23147 (SWRHL-82, pp 585-94)
  - Radioiodine field studies with synthetic aerosols, 25:18926 (CONF-700816-(Vol.1), pp 49-71)
- MCNELIS, David N. Radionuclide studies with dairy cows following two Plowshare experiments, 25:57948 (SWRHL-85-r)
- MCNELLES, L. A. Efficiency calibration of semiconductor x ray detectors, 25:18715
  - Fabrication of thin radioactive sources using biological staining techniques, 25:32142
  - K conversion coefficient of M3 transition in ^{191}Os, 25:36804
- MCNELLY, M. J. Corporate models in generation planning, 24:18532
  - Nuclear economics and change, 25:59920
  - Nuclear system manufacture and construction progress, 25:10088 (CONF-690967-1)
  - Startup of KRB nuclear power station, Gundremmingen, Germany, 21:35623
- MCNELLY, Malcom J. United States light water reactors: present status and future prospects, 25:39206 (A/CONF.49/P-34)
- MCNERNEY, A. J. BNL 50-MeV linac rf multiport system, 23:28019
  - Experimental results on RCA 7835, and initial operating parameters of FTH 515, 21:2539 (BNL-10650)
- MCNEW, C. O. PDP-8 interface for charged-particle nuclear physics experiment, 22:344 (ORNL-TM-2013)
- MCNICE, G. T. Effect of pulsed ionizing radiation on laser action in YAG:Cr—Nd, 24:41718
- MCNICHOLS, J. L. Effect of fast-neutron irradiation on optical attenuation in compound semiconductors, 22:13570
  - Improved fast neutron tolerance of GaAs JFET's operating in the hot electron range, 25:57905
  - Infrared absorption in neutron-irradiated GaAs, 23:39532
  - Predicted effects of neutron irradiation on GaAs junction field effect transistors, 24:36678
  - Theory of anomalous infrared attenuation in neutron-irradiated compound semiconductors, 21:16973
- MCNIFF, E. J. Jr. Magnetic moment of $ZrZn_2$ up to 150 kG, 22:5437
  - Magnetic properties of dilute Pd(Gd) alloys, 25:27921
  - Magnetic saturation in single-crystal thulium at 4.2°K and 140 kG, 21:39954
  - Rare earth metal single crystals. I, 22:15619
  - Rare earth metal single crystals. II, 22:15617
  - Upper critical fields of high-temperature superconducting Nb/sub 1-y/(Al/sub 1-x/Ge/sub x/)/sub y/ and Nb_3Al, 24:28193
  - Very low frequency integrating vibrating sample magnetometer (VLFVSM) with high differential sensitivity in high dc fields, 22:12697
- MCNIFF, Edward J. Jr. AC superconducting solenoid for kilogauss field modulation, 21:25099
- MCNISH, A. G. Aurora, 21:41942
- MCNOWN, John S. Vortex formation and resistance in unsteady flow, 21:22091 (SC-DC-67-1414)
- MCNULTY, P. J. Ionization loss at relativistic velocities, 22:11575
  - Multiple scattering measurements on electron tracks in nuclear emulsion, 24:33937
  - Muon experiments, 25:14532
  - Muon—nucleon inelastic scattering at high momentum transfers, 23:46594
  - Relativistic energy loss by ionization in nuclear emulsions, 23:14940
  - Restricted energy loss by extremely relativistic particles, 24:40234
  - Scattering of high-energy pions on electrons, 25:3253
  - Simple and accurate method of determining the spatial and angular profiles of beams from high energy accelerators, 25:33923
  - Single scattering of 5 GeV/c muons in nuclear emulsion, 22:24516
- MCNULTY, Thomas B. Combination therapy with radiation and mithramycin, 23:43858
- MCNUTT, D. P. Far infrared nightglow emission from atomic oxygen, 23:44325
  - Rocket observations of bright celestial infrared sources, 24:37055 (AD-684294)
  - Rocket observations of infrared sources in Ursa Major, 23:8414
- MCNUTT, Douglas P. Rocket infrared astronomy, 23:22855
- MCNUTT, J. D. Positron annihilation in γ- and α-cerium, 23:44555
- MCNUTT, John DeWight Positron annihilation studies in Teflon and Ce, 25:38570
- MCNUTT, Z. R. Elastic moduli and Debye temperature of polycrystalline technetium, 24:10063
- MCPEAK, Dailey W. Changes in ^{137}Cs retention and routes of elimination as effected by external factors, 25:21544 (AD-464714)
- MCPHEE, R. C. Simple heating arrangement for use in neutron scattering experiments, 22:20381
- MCPHEE, Sheila D. Approximate molecular orbitals. III, 21:33193
- MCPHEETERS, C. C. Numerical simulation of a cold trap for sodium purification, 24:31532 (LA-4435)
- MCPHEETERS, Charles C. Comparison of three methods of O concentration measurement in Na, 21:5755 (LA-DC-7743)
  - Dynamic characteristics of a plugging indicator for sodium, 23:24494
  - Dynamic characteristics of a sodium oxide plugging indicator, 22:24967 (LA-DC-9423)
  - Dynamic characteristics of a sodium oxide plugging indicator, 22:30900
  - Impurity precipitation and dissolution rates in sodium plugging indicators, 25:49047
  - Mass transfer of oxygen in sodium cold traps, 22:33098 (LA-3936)
  - Mass transfer of oxygen in sodium cold traps, 22:33153
  - Oxygen transport in sodium, 23:8105 (LA-DC-9669)
- MCPHERRON, R. L. Characteristics of modulated energetic electron precipitation occurring during auroral substorms, 21:39941
  - Concept of magnetospheric substorm and its relation to electron precipitation and micropulsations, 21:39939
  - Correlated magnetic micropulsations and electron precipitation occurring during auroral substorms, 21:39940
  - Correlation between occurrence of pearl pulsations and interplanetary magnetic field sector boundaries, 21:11541
  - Direct correspondence between x-ray microbursts and impulsive micropulsations, 21:11544
  - Magnetic field variations in the near geomagnetic tail associated with weak substorm activity, 25:22423
  - Relation of energetic electron precipitation and geomagnetic micropulsation to auroral substorms, 22:47947
  - Relation of geomagnetic micropulsations and electron precipitation to auroral substorm, 21:5151
  - Satellite observations of band-limited micropulsations during a magnetospheric substorm, 25:30369
  - Studies of the magnetospheric substorm. I, 22:17471
  - Studies of the magnetospheric substorm. II, 22:17472
  - Studies of the magnetospheric substorm. III, 22:17473
- MCPHERRON, Robert L. Fluctuations in distant geomagnetic field during substorms: ATS 1, 24:42586
  - Growth phase of magnetospheric substorms, 24:51553
  - Magnetic fluctuations during magnetospheric substorms. I, 24:39954
  - Magnetotail changes in relation to the solar-wind magnetic field and magnetospheric sub-storms, 25:43239
- MCPHERRON, Robert Lloyd Relation of auroral-zone micropulsations to magnetospheric substorms, 23:46390
- MCPHERSON, Alice Fundoscopic and histopathologic changes following experimental coagulation, 22:15075
- MCPHERSON, C. Allen Hydrochlorination of cyclohexene in acetic acid. Kinetic and product studies, 24:31315
- MCPHERSON, D. Prog. rpt. on excitation and ionization of ions by electron impact, 9/1/68—5/31/69, 23:32156 (ORO-3027-15)
  - Prog. rpt. on excitation and ionization of ions by electron impact, annual, 9/69—5/70, 24:37220 (ORO-3027-16)
  - Prog. rpt. on excitation and ionization of ions by electron impact, 9/70—5/71, 25:35833 (ORO-3027-19)
- MCPHERSON, D. A. Density gradient effects on Alfven wave propagation in a cylindrical plasma, 21:773
  - Dependence of elf emissions on the location of the plasmapause, 24:51548
  - Dependence of very low-frequency electric field antenna impedance on magnetospheric plasma density, 24:26075
  - Electrostatic vlf waves observed in the polar magnetosphere, 25:55965
  - Ion-wave instabilities at vlf in the polar wind, 25:55966
  - Overstable modes due to resistivity gradients in a current-carrying plasma column, 22:5374
- MCPHERSON, Donald A. Dependence of the occurrence of chorus upon the location of plasmapause, 24:39923 (AD-704817)
  - Electrostatic vlf waves observed in polar magnetosphere, 25:43213 (AD-715898)
  - Ion—acoustic wave instability at vlf in polar wind, 25:45362 (AD-720243)
  - Outer-zone electron precipitation, 25:43211 (AD-715266)
  - Overstable modes due to resistivity gradients in a current-carrying plasma column, 22:34718 (AD-665421)
- MCPHERSON, G. Design of alternating gradient beam transport magnets, 22:11777
- MCPHERSON, G. D. Axial stability of the dry patch formed in dryout of a two-phase annular flow, 24:46421
  - Dryout in boiling water reactors, 21:30084 (AECL-2876)
  - Heat transfer measurements on trefoil fuel bundles in the post-dryout regime-with data tabulation, 25:3865 (AECL-3414)
  - Status of heat and mass transfer research related to Candu power reactor program, 25:1865 (AECL-3691)
  - Use of enthalpy imbalance in evaluating the dryout performance of fuel bundles, 25:51081 (AECL-3968)
- MCPHERSON, M. Isobaric analog resonances in the $^{66}Zn(p,n)^{66}Ga$ reaction from 4 to 5 MeV, 24:38179

MCPHERSON, R. Beta-delayed protons from ^{17}Ne, 21:29901
  Beta-delayed protons from ^{33}Ar, ^{37}Ca, and ^{41}Ti, 21:9969
  Coincidence—anticoincidence system for activation analysis, 24:70
  Tabulation of gamma—gamma directional-correlation coefficients, 25:28401
MCPHIE, J. Refuelling gas-cooled reactors, 24:28864
MCQUAID, J. Low-powered magnetic Hall probe for space applications, 21:19996 (UCRL-14650-T)
MCQUARRIE, D. A. Linear programming and the calculation of upper and lower bounds of atomic mean excitation energies, 23:39304
  Upper and lower bounds to long-range intermolecular potentials, 24:8329
MCQUE, Bernard Masurement of depth-dose distribution in electron irradiated materials, 24:32474
MCQUEEN, E. G. Transport of gold in the body, 24:4552
MCQUEEN, J. D. Prog. rpt. on brain tumor localization with positron-emitting isotopes, annual, 6/9/69, 23:43659 (NYO-2182-11)
MCQUEEN, J. Donald Cisternal brain scanning with positron-emitting isotopes, 23:38643
  Prog. rpt. on evaluation of potential scanning agents in brain tumors, 1/64—12/66, 21:20234 (NYO-2182-9)
  Use of formaldehyde-treated ^{131}I-albumin in study of digestive vacuoles and some properties of these particles from mouse liver, 21:22288
MCQUEEN, J. E. Coulomb excitation Moessbauer effect of 43.8-keV state of ^{161}Dy, 23:39583
MCQUEEN, J. E. Jr. Reaction (^{3}He,α) with nuclei in the s-d shell, 25:17796
  Reaction ^{30}Si(^{3}He,α)^{29}Si, 24:30736
MCQUEEN, John Edmund Jr. Reaction (^{3}He,α) with several s—d shell nuclei, 25:17780
MCQUEEN, R. Selection of steam generator for proposed 350-MW(e) demonstration plant, 25:41498 (CONF-710315-4)
MCQUEEN, R. G. Determination of new standards for shock wave equation-of-state work, 21:35795 (LA-DC-8410)
  Equation of state of low-density carbon, 24:22532 (LA-4340)
  Hugoniot equation of state of twelve rocks, 22:174
  Hugoniots of graphites of various initial densities and the equation of state of carbon, 21:43657 (LA-DC-8411)
  Shock-wave compression of Fe—Ni alloys and the Earth's core, 21:23069 (LA-DC-7524)
  Use of a magnetic field to measure particle velocity. I, 25:57233 (LA-4545)
MCQUIGG, Robert D. Photodecomposition of CH_2O, CD_2O, CHDO, and CH_2O—CD_2O mixtures, 23:21767
MCQUILKIN, F. R. Design of a capsule for irradiation testing of uranium nitride fuel, 23:13909 (ORNL-TM-2363)
  Irradiation testing of candiate fuel rods for the GCFR, 21:38486
  Irradiation tests of fuel rods containing UO_2 and $(U,Pu)O_2$ for GCFR, 24:10207
MCQUILLAN, A. D. Interpretation of hydrogen solutions in bcc early transition metals, 24:39654
  Thermodynamic behavior of dilute solutions of H and D in Ti and Zr, 23:41639
  Thermodynamic behavior of dilute solutions of hydrogen in niobium, 24:25783
MCQUILLAN, C. J. Behavior of ionosphere above Wallops Island during eclipse of March 7, 1970, 25:24956 (N-70-42397)
MCQUILLEN, E. J. Dynamic thermoelastic response of cylindrical shells, 25:314
MCQUILLING, D. W. Radiophotoluminescence spectra of silver-activated dosimeter glasses, 21:36403 (USNRDL-TR-67-66)
MCQUINN, L. D. One-dimensional earth motion calculations, 24:29411 (NVO-1163-TM-11)
MCRAE, E. G. Electron diffraction at crystal surfaces. IV, 25:27256
  Multiple-scattering treatment of low-energy electron-diffraction intensities, 21:825
MCRAE, Ian F. Ontario hydro's nuclear future, 21:25678
MCRAE, J. Generator-produced /sup 81m/Kr for dynamic studies of lungs and heart with scintillation camera, 24:31766 (UCRL-19785)
  Iron-59 distribution in normal and x-irradiated mice, 25:27012
  Lung function studies using short-lived /sup 81m/Kr and the scintillation camera, 25:19056
  Lung scanning with /sup 99m/Tc ferric hydroxide macroaggregates, 24:34428 (UCRL-19786)
  Transmission scintiphotography and its applications, 23:33465
MCRAE, J. A. Electron spin resonance detection of radical pairs formed by gamma radiolysis of crystalline diaryl carbonates, 21:21982
  Electron spin resonance study of 2-pyridyl in γ-irradiated pyridine, 21:34298
  Unstable intermediates. LI, 22:27793
  Unstable intermediates. LVI, 23:2357
MCRAE, James Clinical experience with the multiplane tomographic scanner, 25:24257
  Ferric hydroxide macroaggregates Technetium-99m, 24:9889
  Markedly increased bone blood flow in myelofibrosis, 24:34427 (UCRL-19420, pp 9-18)
  Transmission scintiphotography, 22:51823
MCRAE, R. Prog. rpt. on solubility and diffusion of O in refractories, 1—3/66, 21:16594 (N-67-10758)
  Solubility and diffusion of oxygen in tantalum, 24:29939 (N-69-19886)
MCRAE, R. C. Bombardment diode for Q machines, 24:26243
  Compatibility of alumina and beryllia ceramics with potassium vapor, 22:36521
MCRAE, Russell C. Outgassing of Al_2O_3 and BeO in vacuum at 540 and 870°C, 23:46127
MCRAE, W. A. Potable water from seawater by high-temperature electrodialysis, 23:28944 (CONF-680810-, pp 269-98)
MCRARY III, J. W. Theory of direct nuclear knock-out reactions with polarized beams, 22:35399
MCREE, Donald I. Depth-dose curves for α particles, 25:32419
MCREYNOLDS, J. F. Measurement of branching ratio $K^+ \rightarrow e^+\tau/K^+ \rightarrow \mu^+\tau$, 25:1387 (UCRL-20079)
MCREYNOLDS, John Frederick Branching ratio $K \rightarrow e\tau/K \rightarrow \mu\tau$: test of V—A theory of weak interactions, 25:33525 (UCRL-20031)
  Branching ratio $K \rightarrow e\tau/K \rightarrow \mu\tau$, 25:59256
MCRICKARD, S. B. Effects of neutron irradiation on the activation parameters for slip in iron, 22:38595
  Saturation and exposure dependence of the yield stress of irradiated iron, 23:8251
MCRIPLEY, Ronald J. Effect of phagocytosis and x-irradiation on human leukocyte metabolism, 22:36180
  Role of phagocyte in host-parasite interactions. VI, 22:2543
MCSHARRY, W. O. Radiometric titration of trace amounts of zinc, 22:12263
MCSHARRY, William O. Preparation and structural studies of some transition metal chelates of furoyltrifluoroacetone, 23:34960 (NYO-906-85)
MCSHEEHY, T. W. Mutagenic effect of 600 MeV protons in Drosophila melanogaster, 21:36546
  Mutagenic effect of 600-Mev proton irradiation, 21:22739
  Relative effectiveness of fast neutrons and x-rays in Drosophila, 21:36542
MCSHERRY, D. H. Deuteron elastic scattering and the (d,p) reaction with polarized ^{3}He target, 25:12370
  Elastic scattering of protons by polarized ^{3}He, 23:30929
  Helium-3 polarization measurements and phase shifts for p-^{3}He elastic scattering, 24:35811
  Measurement of spin-correlation effects in p—^{3}He elastic scattering at 8.8 MeV, 23:19152
MCSHERRY, Diana Hartridge Spin dependence in p,^{3}He elastic scattering, 24:15776
MCSHERRY, Luke MOS transistors in solid-state radiation survey meters, 21:45332 (AD-629709)
MCSHURLEY, D. G. Scanning system for rapid cycle bubble chambers, 24:48318 (SLAC-PUB-792)
MCSWEENEY, D. Optimization of conduction and induced currents in type-II superconductors, 21:41962 (NP-16945, pp 122-32)
MCSWEENEY, T. I. Fast reactor fuel assembly thermal hydraulic development program, 24:22446 (BNWL-1136)
MCTAGGART, F. K. Plasma chemistry in electrical discharges, 22:20016
MCTAGGART, M. H. Fast burst reactor kinetics, 24:11232 (CONF-690102-, pp 31-50)
  Fast pulsed reactor VIPER. I, 23:9210
  Fast pulsed reactor VIPER. II, 23:9211
  Measurements of physics characteristics of fast pulsed reactor, VIPER, 22:35642
  New fast pulsed reactor, VIPER, 22:35643
  Prog. rpt. on Vera ^{235}U—graphite reactor experiment, 21:40671 (AWRE-R-4/63)
  VERA core 18: assembly built to test calculation methods and data for D.F.R, 23:43148 (TRG-Report-1539)
  VIPER, a versatile pulsed reactor using Doppler and expansion shutdown, 22:6106
MCTAGGART, Wesley G. Analysis of errors in a technique for the combined use of multiple radioisotopes, 23:45612
MCTAGUE, J. P. Pair polarizability of H atoms, 23:20688
MCTIGHE, E. P. Development of the UK nuclear power industry, 25:12713
MCTIGUE, P. T. Exchange reaction between $H_2{}^{18}O$ and acetic, monochloroacetic, dichloroacetic, and trichloroacetic acids, 24:27074
  Isotope effects in enolization of acetaldehyde, acetone, and ethyl methyl ketone, 21:45111
MCVAY, T. N. Phase relations in fluoroborate systems. II, 25:48500
MCVEAGH, W. J. Formation of oxide particles on tungsten, 23:6646
MCVEAN, R. L. Critical assembly mockup of SEFOR reactor in ZPR-3, 21:35694 (ANL-7320, pp 560-8)
  FFTF critical experiments: control-rod studies on ZPR-3, 21:38689
  Reactivity worth of Na in ZPR-3 Pu assemblies 48, 48B, and 49, 22:33036
  ZPR-3 assemblies 48: 48A, and 48B: the study of a dilute plutonium-fueled assembly and its variants, 25:28752 (ANL-7759)
MCVEAN, Robert L. Experiments with a series of small, Pu-plus-U-fueled fast-reactor criticals (FARET mockup—ZPR-3 Assembly 46), 25:8114 (ANL-7215)
MCVEY, C. I. Zirconia-based thermoelectric compositions, 23:36196
MCVEY, D. F. Some observations on the influence of graphite microstructure on ablation performance, 24:11389 (SC-DC-69-1976)
MCVEY, W. Radioactive waste management, 24:50538
MCVEY, W. H. Price forecasting and resource utilization for the fuel cycle industry of the United States, 25:39265 (A/CONF.49/P-60)
MCVEY, William H. Fast reactor fuel cycle economics, 24:31079 (CONF-700502-, pp 12-29)
MCVITTIE, G. C. Absolute magnitudes of quasi-stellar radio sources, 21:9277
  Cosmologist looks at the hypothesis of a change in the gravitational constant, 24:30115
  Evolution function and interpretation of radio source counts, 24:46933
  Gravitational motions in general relativity, 24:24433
  Gravitational motions of collapse or of expansion in general relativity, 21:23297
  Lemaitre universes and log N—log S relation, 22:11131
  Number counts of extragalactic radio sources, 23:12471
  Red shift and velocity of recession, 21:22952
  Spherical symmetry and mass—energy in general relativity. I, 24:26508
  Spherical symmetry and mass—energy in general relativity. II, 24:26510
  Spherically symmetric nonstatic solutions of Einstein's equations, 22:9694
  Uniform model universes containing matter and blackbody radiation, 24:37169
MCVOY, K. W. Asymmetry of analog levels and other doorway states, 23:47068
  Effective-interaction formulation of bound and continuum shell-model calculations, 23:19378
  Eigenphases and the generalized Breit—Wigner approximation, 22:11735
  Giant resonances and neutron—nucleus total cross sections, 21:31848
  K/sub L/ and K/sub S/ as shell-model eigenstates, 24:33015
  K/sub L/ and K/sub S/ as shell-model eigenstates. II, 25:30861
  Nuclear resonance reactions and S-matrix analyticity, 22:9943
  Optical analysis of potential well resonances, 21:12108
  Overlapping resonances and S-matrix unitarity, 23:51913
  R-matrix and S-matrix strength functions, 22:44759
  Regge poles and strong absorption in heavy-ion and α-nucleus scattering, 25:33987
  Threshold cusp in the s-wave neutron strength function, 22:44760
  Unitarity sum rules for K/sub L/—K/sub S/ decay, 23:34593
  Virtual states and resonances, 22:44758
MCVOY, Kirk W. S-matrix description of K/sub L/ and K/sub S/ decays, 23:34595
MCWAHN, D. B. Metallic conductivity and superconductivity in some silver clathrate salts, 21:2177
MCWATTERS, K. D. Comparison of radar and optical temperature measurements in the F region, 24:47122
MCWENNY, R. Methods of molecular quantum mechanics, 25:2927
MCWETHY, L. M. Core design development needs in relation to fuel failure propagation, sodium boiling, and clad/fuel—sodium thermal interaction, 25:57088 (GEAP-13639-1)
  Core design development needs in relation to fuel failure propagation, sodium boiling, and clad/fuel—sodium thermal interaction, 25:57089 (GEAP-13639-2)
  Evaluation of consequences of hypothetical instantaneous loss of coolant flow to driver fuel assembly, 24:11265 (GEAP-10059)
MCWHAN, D. B. High-pressure NMR study of metal—insulator transition of V_2O_3, 25:5224
  Magnetic properties of some rare-earth alloys at high pressures, 21:14827
  Metal—semiconductor transition in ytterbium and strontium at high pressure, 23:16488
  Properties of the rare-earth metals and alloys at high pressures, 22:24379 (CONF-670502-, pp 18-28)
  Structure of cerium above 50 kbar, 24:27791
  X-ray diffraction studies of the metal insulator transitions in Ti_4O_7, V_4O_7, and VO_2, 25:14442
MCWHERTER, J. R. Molten Salt Breeder Experiment design bases, 25:1852 (ORNL-TM-3177)
MCWHIRTER, A. D. ABE-1: externally cooled high conversion ratio: advanced beryllia fuel element, 21:27669 (GA-6846)
  ABE-SRC-1: an internally-cooled high conversion ratio advanced beryllia fuel element, 21:38448 (GA-6836)
  Methods of obtaining operational flexibility in commercial power reactors, 24:7140
MCWHIRTER, R. W. P. Excitation coefficients for five transitions in nitrogen V, 24:45043
MCWHORTER, R. J. Nuclear excursion technology, 23:31183 (CONF-650681-1)
  Nuclear excursion technology, 23:47222 (APED-5528)
MCWHORTER, W. C. Prog. rpt. on radiological significance of nuclear rocket debris, semiannual, 1—6/65, 21:22412 (ORNL-TM-1159)
MCWILLIAMS, J. A. New microporous thermal insulation, 21:26055
MCWILLIAMS, Jane O. Further studies in lymphokinetic considerations of lymphography and intralymphatic therapy, 24:32112
MCWILLIAMS, P. C. Dose rate—total dose effect from single short-duration gamma-ray exposures on survival time in mice, 21:45641
  Empirical determination of counter variance, 23:26551
MCWILLIAMS, R. C. Autoradiographic investigation of tritium segregation in stainless steel, 24:48815 (CONF-690954-, pp 57-71)
MEABURN, G. M. Pulse radiolysis of ammonia gas: rate of disappearance of NH $^3\Sigma$ radical, 22:27771
  Pulsed radiolysis of gases, 21:5917
  Pulsed-radiolysis study of atomic oxygen reactions in the gas phase, 23:281
MEABURN, J. Filamentary nebulosity around the Cetus Arc, 24:37019
  Filter and interferometer observations of two H II regions, 22:26104
  Fine structure of nebular emission lines, 25:862
  Fine structure of nebular emission lines, 25:35650
  Investigation of a peculiar nebula in Monoceros, 22:34171
  Loop structures: review and interpretation of the observations, 25:38119
  Observations of high velocities in H II regions, 25:11587
  Profiles of the [O III], 5007 A line from the Dumb-bell Nebula, 25:45205
  Search for nebulosity in the high galactic latitude radio spurs, 21:13312
  Variations of electron density throughout Orion Nebula, 25:40233
  Variations of the electron density within M8, 23:39161
MEACHAM, S. A. Determination of Fe, Ni, and Cr in Na by atomic absorption, 23:6051 (APDA-207)

Evaluation of the proposed astm method for measuring oxygen in sodium utilizing a round robin program, 24:16411 (APDA-238)
Solubility of hydrogen in sodium, 24:36194 (APDA-241)
Solubility of sodium carbonate in sodium, 23:15828 (APDA-184)
MEACHAM, William F. Intraventricular instillation of radioactive gold, 22:10688
MEACHER, J. S. Prog. rpt. on a gas-bearing Brayton cycle turbocompressor, 9—12/66, 22:2269 (NYO-3237-8)
Prog. rpt. on gas-bearing Brayton cycle turbocompressor, 6-9/66, 21:10506 (NYO-3237-7)
Turbomachinery research for nuclear systems, 22:45219 (NYO-3237-10)
MEAD, A. Determination of oxygen and nitrogen in some nitrides and carbides by inert gas fusion using an impulse heating furnace, 25:51359 (AERE-R-6537)
MEAD, A. P. Determination of oxygen in silicon nitride by inert gas fusion, 23:9294 (AERE-R-5878)
MEAD, C. A. Influence of carrier diffusion effects on window thickness of semiconductor detectors, 24:29505
MEAD, C. Alden Possible new type of molecular bound state, 24:49297
MEAD, C. W. Exploration of outer solar system with nuclear pulse rockets, 24:20931
MEAD, G. D. Artificial aurora experiment: ground-based optical observations, 25:55962
Diffusion of protons in the outer radiation belt, 21:9444
Low-energy charged particle environment of the Earth, 21:18536
Low-energy charged particle environment of the earth, 21:46217 (N-67-18353)
MEAD, George Nathaniel Jackson Electro-magnetic pump, 22:42955
MEAD, Gilbert D. Artificial aurora experiment: position measurements of auroral rays and comparison with predictions, 23:44259 (N-69-29881)
Distortion of geomagnetic field by solar wind, 21:29146
Introduction to space science. Second Edition, 23:22707
Motion of trapped particles in a distorted field, 21:9452
Neutral points on the boundary of the closed magnetosphere, 22:5260
MEAD, J. B. Prog. rpt. on neutrons above atmosphere in near-earth space, final, 6/1/63—1/31/66, 21:18469 (AD-635525)
MEAD, James F. Fatty acid transport into the brain, 25:60290 (UCLA-12-839)
Fatty acid uptake by the brain. III, 24:16401 (UCLA-12-763)
Fatty acid uptake by the brain. IV, 24:41155 (UCLA-12-783)
Fatty acid uptake by the brain. V, 25:18315 (UCLA-12-804)
Lipid storage in migrating pink salmon, 24:18847 (UCLA-12-764)
Rapid uptake of l-^{14}C acetate by adult rat brain 15 seconds after carotid injection, 25:32324 (UCLA-12-814)
MEAD, Jaylee M. Artificial aurora experiment: position measurements of auroral rays and comparison with predictions, 23:44259 (N-69-29881)
MEAD, K. E. Soldering to gold plate, 21:1873 (SC-DR-66-469)
MEAD, Keith E. Evaluation of microwave window material and ablation material assemblies, 22:13064 (SC-DR-67-793)
MEAD, R. O. Energy levels in ^{145}Sm from the decay of ^{145}Eu, 21:13887
Reaction ^{19}F(^{3}He,^{6}Li)^{16}O, 22:41957
MEAD, S. W. Plasma production with a multibeam laser system, 24:28304
MEAD, William C. RAD swapping system for nuclear data acquisition, 25:35050 (PUC-937-396)
MEADE, D. Linear multipole and spherator experiments, 22:44069 (MATT-620)
Linear multipole and spherator experiments, 23:32338
Plasma confinement in a toroidal octupole magnetic field, 22:39031 (CONF-680805-7)
Plasma confinement in a toroidal octupole magnetic field, 23:32339
MEADE, D. M. Anomalous plasma transport produced by magnetic field errors, 25:33261
Effect of a toroidal field on plasma transport in a magnetically perturbed multipole, 25:43335
Lack of equilibrium due to magnetic guarding, 23:1370
Observation of a ballooning-type instability in a plasma confined by a quadrupole magnetic field, 22:9399
Physical mechanism for the collisionless drift wave instability, 23:23173
Plasma injection, heating, confinement, and losses in multipole structures, 25:38324 (CONF-710607-2)
Scaling of toroidal plasma confinement times, 23:32309
MEADE, J. H. Jr. Dependence of renal clearance of radioiodide on sex, age, and thyroidal status, 21:8713
MEADE, James H. Jr. Some biomedical applications of a non-linear curve fit method, 22:4564 (N-67-18203)
MEADE, R. Influence of defects on the angular correlation of positron-annihilation photons in irradiated and in deformed iron, 25:19851
MEADE, R. C. Digital computer simulation study of the radio-Hippuran renogram, 22:31144
Quantitative analysis of liver scan data as an aid to diagnosis, 24:32108
MEADE, Robert C. Comparison of methods for renogram evaluation, 24:14535
MEADEN, G. T. Cryostat and superconducting magnet system for experiments in high magnetic fields between 1 and 300°K, 21:33322
Effects of the Neel transition on the thermal and electrical resistivities of Cr and Cr—Mo alloys, 24:49265
Fluctuations and critical indices near Neel temperature of Eu, 25:5204
Nature of low-temperature in α-U, 23:22560
Neel and Curie temperatures for crystal structures of cerium and praseodymium, 25:47639
Occurrence of different α-phases of U at low temperatures by thermopower and resistivity experiments, 25:12006
Spin-wave energy gap in Tb, 24:12901
Thermoelectric power of annealed and strained Eu metal, 24:12900
MEADOR, J. T. Microsphere handling techniques, 24:19186 (ORNL-TM-2782)
MEADOR, W. E. Thermal conductivities of plasmas in general force fields, 21:15167
MEADOR, Willard E. Critical analysis of Grad approximation for closing out MHD equations for plasmas, 24:26190 (N-70-13092)
Third-order contributions to electrical conduction in plasmas, 24:26192 (N-70-13474)
MEADOR, William E. Induced pressure and temperature gradients in a plasma as a result of weak electric fields, 24:30339 (N-70-21710)
MEADOWCROFT, D. B. Electrical resistivity of some castable zirconias, 23:51126
MEADOWCROFT, R. R. Annealing of damage in U_3Si, 25:52479
MEADOWS, A. J. Initial development of solar flares, 23:25112
MEADOWS, G. E. Calcium as a soluble getter for the control of oxygen in sodium systems, 24:36352 (LA-4436)
MEADOWS, Geoffrey W. Cobalt-bonded tungsten carbide, 23:41706
MEADOWS, J. Holmium-165 fast neutron cross sections, 25:31350
MEADOWS, J. W. Californium-252 fission neutron spectrum from 0.003 to 15.0 MeV, 21:31810
Correlation of mass, energy, and angle in MeV-neutron-induced fission of ^{235}U and ^{238}U, 23:25906
Energy dependence of anti τ/sub p/ for neutron-induced fission of ^{235}U below 1.0 MeV, 21:31798
Neutron-induced fission of ^{242}Pu, 24:38228
Reduction of time-of-flight errors in pulsed neutron measurements, 24:4472
Thermal capture cross sections of ^{6}Li and ^{10}B by pulsed neutron method, 25:53595 (CONF-701002-, pp 129-35)
Thermal-neutron capture cross section of cadmium, 22:9874
Thermal-neutron-absorption cross sections of ^{6}Li and ^{10}B, 24:22080
Total neutron cross section of ^{7}Li and carbon from 100 to 1500 keV, 24:43125
MEADOWS, J. W. Jr. Fragment angular distributions for monoenergetic neutron-induced fission of ^{239}Pu, 23:5928
Nuclear pairing energy of transition nucleus ^{240}Pu, 22:53209
MEADOWS, J. W. T. Coriolis coupled $^{3}/_{2}$[651] band in ^{155}Gd and the decay of 4.9 y ^{155}Eu, 23:40079
Redetermination of the half-life of ^{47}Sc, 22:20512
MEADOWS, R. C. Prospects for the use of isotopic power sources in civil aviation communications and navigation systems, 21:26086
MEADS, P. F. Conceptual design of the injection system for 500 MeV H^- cyclotron, 25:17616 (TRI-70-3)
MEADS, P. F. Jr. Conceptual design of beam transport magnets for beam line 1, 24:40513 (TRI-70-1)
MEADS, Philip F. Jr. Comparative geometric aberrations of systems of quadrupole magnets possessing equivalent linear properties, 22:32357 (CEAL-2000, pp A168-71)
Extraction and transfer of high-quality beams from synchrotrons of the FOOFDOD type, with application to the Omnitron, 23:27991
Extraction and transfer of high-quality beams from synchrotrons of the FOOFDOD type with application to the Omnitron, 23:34687 (UCRL-18781)
Numerical design of azimuthally symmetric rf cavity that resonates at given frequencies, 23:28064
Quadrupole magnet misalignment tolerances, 22:5695
MEAKER, R. E. Phase diagram for KF—YF_3 system, 23:17390 (BM-RI-7246)
MEAKER, Reginald E. Electrical conductivity and density of fluoride systems, 25:37389 (BM-RI-7528)
MEAKIN, J. D. Microstrain behavior of body-centered cubic metals, 21:24771
Prog. rpt. on crystal perfection of tantalum silicide and beryllium, 6/69—3/70, 24:36869 (NYO-3716-4)
Prog. rpt. on influence of non-stoichiometry on structure of carbides, 2/67, 21:24845 (NYO-3716-1)
Prog. rpt. on microstrain region in high-purity refractory metals, 6—8/66, 21:489 (AD-639603)
MEAKINS, Jonathan L. Delayed recovery from acute tubular necrosis following radiation, 25:52207
MEAL, Thomas J. Neutron detector for operation in high gamma fluxes, 22:36051
MEALEY, John Jr. Brain tumor scanning in children, 24:29801
MEANLEY, E. Pi$^-$p backward elastic and inelastic scattering at 2.15 GeV/c, 23:5541
MEANLEY, E. S. Backward pion production from π^-p interactions, 25:12111
MEANLEY, Edward Scripps Pion—proton elastic scattering near 180° from 2.15 to 6.00 GeV/c, 25:45676
MEANS, R. W. Evolution of turbulent electrostatic shocks, 25:59020
MEANY, J. E. Acid-base-catalyzed hydration of acetaldehyde, 21:42935
Reversible hydration of 2- and 4-pyridinecarboxaldehydes. III, 23:35119
MEARA, R. H. Epitheliomata after radiotherapy of the spine, 23:29889
MEARS, Connally E. Seismic events originating at AEC's Nevada Test Site, 23:31442
MEARS, G. A. Public relation aspects of station planing, operations experience, and operating requirements, 24:13506
MEARS, L. D. Effect of radiation on rare-gas diffusion in crystals, 22:4908
Influence of defects on rare-gas diffusion in solids, 23:34097
Rare gas diffusion in cesium iodide, 22:52292
MEARS, L. Daniel Diffusion of recoil fission fragments from solid surfaces calculated release curves, 21:45146 (ORO-3508-2)
MEARS, Luther D. Prog. rpt. on diffusion of gases in solids, annual, 11/68—10/69, 24:10160 (ORO-3508-5)
MEARS, Luther Daniel Xenon diffusion in single crystals of alkali metal iodides, 25:33421
MEASDAY, D. F. Intermediate energy nuclear physics, 24:38382
Intermediate energy nuclear physics, 25:9694
Long Cherenkov counters made of solid and liquid materials, 22:38097
Loss of protons by nuclear inelastic interactions in various materials, 24:5905
Loss of protons by nuclear interactions in various materials, 23:46526 (CERN-69-17)
Proton—proton total cross-sections between 179 and 555 MeV, 25:33547
Study of $\pi^+d \rightarrow pp$ for pion energies between 142 and 262 MeV, 25:1417
Unbound energy levels in ^{4}H, 21:38223
MEASDAY, David F. Reactions (n,p) and (n,d) at 152 MeV, 21:44593
MEASEL, P. R. Directional correlation involved in L-capture, 23:43568
Low dose ionization-induced failures in active bipolar transistors, 23:17882
MEASEL, Paul Russell Measuring directional correlations between x rays and conversion electrons or gamma rays in ^{139}Ce, 22:46807
MEASON, J. L. Fissiogenic and radiogenic xenon in chondrites Beardsley and Holbrook, 23:30203
Fission of ^{233}U by thermal neutrons, 21:12037
Heavy rare gases from Leighton chondrite, 22:23946
Neutron activation cross sections (14.8 Mev) for ^{181}Ta(n,α) /sup 178m,g/Lu and ^{178}Hf(n,p) /sup 178m,g/Lu, 21:1105
New isomer: /sup 68m/Cu, 24:18399
New isotope ^{204}Au and decay of ^{203}Au, 22:11969
Plutonium—xenon and iodine—xenon chronology of three light—dark-structured chondrites, 22:36627
MEASURE, Edward M. Approximation to the relativistic scattering problem, 25:45822
MEASURES, R. M. Electron density and temperature elevation of potassium-seeded plasma, 24:15311
Initial ionization of hydrogen in a strong shock wave, 23:36521
New approach to localized diagnostics, 23:1373 (AD-671494)
Prog. rpt. on Hall current acceleration, final, 6/1/65—5/31/66, 21:7208 (AD-638677)
Use of laser radiation to diagnose and enhance local conditions within alkali plasma, 24:26163
MEATH, William J. Charge-overlap effects, 23:22896
Induction forces: an exact treatment of charge overlap effects through third order, 24:37267
Long-range intermolecular forces using Gaussian basis functions, 25:13984
One- and two-center expansions of the Breit—Pauli Hamiltonian, 22:52910
Retarded interaction energies between like atoms in different energy states, 22:17412
MEATS, R. J. Electrical breakdown of cold gaseous helium, 25:58950
MEAUX, R. Effects of ionizing radiation on powdered eggs, 21:9040
Effects of radiation on flour during storage, 24:51118
Substances that react with thiobarbituric acid in irradiated flour, 25:10978
MEBKHOUT, Mohamed Decomposition of the tensor product of two irreducible representations of SL(3,C), 21:21279
MEBOLD, U. Distance estimates for pulsars, 23:16585
Interstellar electron temperatures, 24:4936
MEBONIYA, D. V. Applicability of the impulse approximation to reactions of quasi-elastic scattering, 24:3986
Distortion effect in (e,e'p) reactions, 22:24914
Quasi-elastic electron scattering on nuclei with knockout of complex particles. II, 23:19396
Quasi-elastic mechanism of (α,2α) reaction at low and mean energies, 22:7643
Quasi-elastic mechanism of the (α, 2α) reaction at low and intermediate energies, 22:9793
Quasielastic electron scattering on light nuclei with knock-out of nucleons and complex particles. I, 23:10985
Reaction (α,2α) on ^{6}Li, ^{7}Li, ^{9}Be, and ^{12}C. II, 23:30939
Theory of the quasielastic knock-out of protons from nuclei by the high energy electrons, 21:12111
MEBONIYA, J. V. Brueckner—Hartree—Fock theory for the ^{4}He nucleus, 25:43785
MECCA, J. E. Activated charcoal filter history of Hanford single pass production reactors, 24:22480 (DUN-SA-116)
Development of a long-lived, high-expansion foam for entrapping air-bearing noble gas, 24:51238 (DUN-SA-141)
In-place test results of the N-Reactor charcoal confinement filters using iodine tagged with ^{131}I tracer, 24:47933 (DUN-SA-128)
In-place testing of the Hanford reactor charcoal confinement filter systems using iodine tagged with ^{131}I, 24:46401
Noble gas confinement studies. Quarterly report, October—December 1969, 24:38560 (DUN-6653)
Prog. rpt. on noble gas confinement study, final, FY-1970, 25:29075 (DUN-7221(Vol.2))
Prog. rpt. on noble gas confinement study, final, FY-1970, 25:29074 (DUN-7221(Vol.1))

MECCA, S. Nuclear-structure studies of chromium isotopes: reactions ^{50}Cr(p,p')^{50}Cr and ^{50}Cr(d,p)^{51}Cr, 22:37332
MECCA, S. J. Cross section ^{16}O(γ,n$_0$)^{15}O between 35 and 65 MeV, 23:23628
MECCA, Stephen J. Energy and angular distributions of photoneutrons from ^{6}Li and ^{7}Li, 25:12387
MECCI, A. K. Effects of gamma-radiation on eggs of Dacus zonatus, 24:6106
MECH, C. Large capacity hydrostatic gas bearings applied to the turbo-machines of a direct nuclear helium cycle, 24:43799
  Machines with gas bearings in nuclear energy, 22:23201
  Tilting pad gas bearings, 24:41572 (DP-Report-306(Pt.2))
  Tilting pad gas bearings, 24:41571 (DP-Report-306(Pt.1))
MECH, Christian Circuit gas bearing circulators for Dragon reactor, 25:1879 (DP-Report-229)
  Possibility of using gas bearings in a large scale power gas turbine associated with a nuclear reactor, 21:34092 (EUR-2757.e, pp 195-)
MECHALI, D. Interpretation of results of individual dosimetry and dose evaluation at the organ level, 22:21524
  Uranium toxicity with specific reference to its radiation hazards, 23:45770 (CEA-CONF-1315)
MECHALI, David Assessment of bone marrow internal exposure to ^{90}Sr as a function of age, 24:21156 (CEA-R-3952)
MECHAM, W. J. Commerical aspects of fuel processing, 21:14308
  Engineering development of fluid-bed fluoride volatility processes. XI, 23:9496 (ANL-7339)
  Fast breeder reactor, 1000-Mw(e) metal-fueled, 21:5596 (ANL-7001)
  Studies and evaluations, 21:4592 (ANL-7125, pp 107-18)
MECHER, E. Experimental studies on tooth eruption, 25:42638
MECHETTI, H. Phase-dependent superconductive current density in S/N/S junction, 22:44050
  Proximity effects in eutectic alloys transition temperature and specific heat, 22:1082
  Superconductive current in superconductor/normal metal/superconductor junction, 22:13417
MECHEV, D. S. Estimation of radioisotope diagnosis of skeletal tumors, 25:44847
  Metabolic studies of ^{85}Sr in experiment, 23:14132
  Radioisotope diagnosis of tumors of the bones, 24:41916
MECHLER, P. Application of nuclear explosions to geophysics, 25:10748
MECHTLY, E. A. Analysis of ordinary mode standing waves observed by rockets in E region, 22:36843
  Calculating lower ionosphere electron densities and collision frequencies, 25:22403 (N-70-42935)
  Changes of lower ionosphere electron densities with solar zenith angle, 25:14104
  Coordinated rocket measurements on the D-region winter anomaly. I, 23:12650
  Growth of D region at sunrise, 22:19866
  Latitude variation of the lower ionosphere, 23:36604
  Lower ionosphere electron concentration and collision frequency, 22:2935
  Lower ionosphere electron densities during solar eclipse, 23:22986
  Rocket electron concentration measurements on winter days, 22:52655
  Seasonal variation of lower ionosphere at Wallops Island during IQSY, 22:47901
MECKBACH, W. Charge equilibrium of He ions in He gas from 60 to 840 keV, 21:11445
  Charge-equilibrium fractions of He beam in H, N, Ne, and Ar from 60 to 850 keV, 23:32184
  Isotope effect in charge-changing collisions involving hydrogen and deuterium, 23:39319
MECKEL, Ben B. High specific impulse thrust by sputter-ejection of neutral atoms, 21:8506
  Solar wind simulator, 23:17845
MECKEL, Benjamin B. Method and apparatus for generating a continuous beam of neutral atoms, 25:38133
MECKELBURG, E. Lanthanide series and yttrium, 24:14710
  New materials in the aerospace industry. II, 22:45775
  Rolled niobium and tantalum products, 25:6851
MECKELBURG, Ernst Flame-sprayed coatings. I, 22:10932
  Niobium in sheet and foil form: properties and processing, 25:667
MECKELNBURG, Rober L. Low dose therapy of hyperthyroidism, 22:51878
MECKING, H. DNA synthesis in embryonal cerebrum after single x irradiation, 23:22424
MECKLENBRAUCK, W. Electronic excitation in fast collisions of Na with SO$_2$ and NO$_2$, 25:58749
  Electronic excitation of K atoms in collisions with diatomic molecules, 24:42534
MECKLENBURG, B. Relativistically corrected three dimensional space charge analysis of electron bunching, 21:38069
MECKLENBURG, E. Rhenium and its alloys as construction material, 25:2647
MECKONI, N. V. International view of heavy water moderated reactors, 22:25038
MECKONI, V. N. Costing of nuclear power stations in India and recent cost trends, 25:53945 (A/CONF.49/P-527)
  Fuel cycles in heavy water reactors, 25:25988
  Heavy-water power reactors in India, 22:30242
  Impact of nuclear technology in developing countries, 25:54334 (A/CONF.49/P-742)
  Integrated planning of nuclear industry, 25:53904 (A/CONF.49/P-532)
  Role of heavy-water reactors in Indian nuclear power program, 25:28580
MECKSTROTH, George R. Computer conditioned images of scintillation scans, 23:17753
  Radiation hazards and public health, 21:36591
  Radiation protection for diagnostic x-ray facilities, 22:40702
  Radioisotope generator, 22:51779
  Technetium-99m superior vena cavography, 23:31843
MECKSTROTH, W. K. Vapor pressures of liquid ortho-para solutions of deuterium; excess thermodynamic functions and intermolecular force constants, 25:31921
MECKSTROTH, Wilma Koenig Nonideality of deuterium solutions, 24:4267
MECREDY, R. C. Prediction and measurement of acoustic wave propagation in two-phase media, 25:6079
  Propagation of acoustic waves in two-phase, two-component media, 24:5800
MECZYNSKI, W. Excited states of ^{76}As from ^{76}Ge(p,n)^{76}As reaction, 25:50670
MEDANA, Riccardo Desorption spectra of gas mixtures chemisorbed on tungsten, 24:36975
MEDAWAR, P. B. Cellular immunity and the homograft reaction, 22:45448
  Induction of tolerance with antilymphocytic serum, 24:632
  Induction of tolerance with antilymphocytic serum, 24:11994
MEDAWAR, Peter Quantitative studies on tissue transplantation immunity. VII, 21:6679
MEDCALF, Alfred W. Characteristics of LPTR Fast Neutron Irradiation Facility, 24:9153 (UCRL-7513(Rev.1))
MEDD, W. J. Observations of variable radio sources at 2.8 cm, 22:52344
  Rapid radio variations in BL Lac, 23:41825
  Three radio sources with unusual intensity variations, 23:41837
MEDECKI, Hector Microwave electron density probe, 22:26369
MEDEIROS, John A. Quenching of metastable hydrogen, 24:12645
MEDEIROS, Katherine W. ANAGRAPH: code for graphical display of single and multiple sets of digital data, 21:26273 (NAA-SR-Memo-12249)
MEDEMA, J. Radiometric determination of moisture in gases, 22:14698
MEDEOT, R. Study of the possibility to replace the pressurizer in a PWR plant with a feed and bleed system, 21:15671
MEDER, L. F. Exactly solvable quantum-mechanical N-body problem, 25:27934
  Plane-wave spinors and free fields for zero-mass particles, 24:24432
MEDER, M. R. 161-keV transition of ^{133}Cs, 24:40638
  Automatic directional correlation system, 24:4466
  Directional correlations in ^{124}Te, 21:25538
  Intermediate-coupling calculations in odd-A bismuth isotopes, 24:38280
MEDER, Martin Robert Electron—gamma directional correlation measurements in heavy nuclei, 22:3739
MEDER, Werner Radiation-chemical-induced pyrolysis of saturated hydrocarbons, 24:13896
MEDERSKI, H. J. Beta gauging leaf water status, 22:33680
MEDFORD, L. V. Midlatitude geomagnetic pulsations during March 7, 1970 solar eclipse, 25:40485
MEDFORD, R. D. Design curves for electromagnetic field diffusion into conductors under pulsed discharge conditions, 21:30586 (CONF-661016, pp 235-46)
  Magnetic field system of Magnetic Trap Stability Experiment Mark II, 21:31386 (CONF-661016, pp 35-52)
MEDGYESI, G. Radioprotective effect of ornithine-aspartate, 23:43802
MEDGYESI, G. A. Characteristics of gamma-ray-irradiated human immunoglobulin G, 24:34098
  Gamma-ray-irradiated human immunoglobulin G, 22:52095
MEDGYESI-MITSCHANG, L. N. High temperature plasma reactions, 25:7374
MEDI, E. Method for general systematics of stable nuclei, 24:38386
MEDICA, Philip A. Demographic analysis irradiated and nonirradiated Uta stansburiana, 24:9805
MEDICUS, G. Finding energy spectra of carriers in plasmas by means of probes, 23:25291 (BMwF-FBK-69-3, pp 1.1-15)
  Spurious second harmonics from modulated Langmuir probes, 22:1166
MEDICUS, H. A. Fast-photoneutron spectra due to 55 to 85-MeV photons, 23:7236
  Fine structure in the neutron total cross section of bismuth, 21:10030
  Isomer ratios in ^{58}Co from photonuclear reactions (γ,n) and (γ,np), 22:18175
  Isospin splitting in giant resonance of ^{11}B, 25:33984
  Neutron yields from targets bombarded by bremsstrahlung, 25:39031
  Photodisintegration of ^{12}C, 25:17716
  Photonuclear reactions (γ,np) and (γ,2n) in ^{48}Ti, 24:45765
  Photonuclear reactions with emission of several nucleons, 22:27077
MEDIK, V. S. Reconstruction of a fast neutron reactor spectrum from threshold detector data, 24:50210
  Reconstruction of a fast neutron reactor spectrum from threshold detector data, 25:23403
MEDIN, Douglas Lee Form perception and pattern reproduction by monkeys, 23:33852
MEDIN, S. A. Analysis of a scheme of power plant with an MHD generator and thermocompressor, 25:2936
  Electrodynamic effects in MHD generator, 22:50070
  Influence of end effects on thermal efficiency of MHD plants, 25:7210
  Influence of nonuniformity of flow parameters and imperfect wall insulation on MHD-generator performance, 24:45073
  Solution for a variable problem on flow in a MHD generator, 21:18500
MEDINA, A. IR intensities in CHCl$_3$ and CDCl$_3$, 23:17402
MEDINA, Abraham B. Feeding patterns of Rattus rattus and Rattus exulans on Eniwetok Atoll, 25:46771
MEDINA, Antonio Radium management of cutaneous hemangiomas, 21:6583
MEDINA, D. Carcinogen-induced mammary tumors from preneoplastic nodule outgrowths in BALB/c mice, 24:39580
MEDINA, Daniel Oncogenic agents in the neoplastic transformation in preneoplastic BALB/c nodule outgrowth lines, 24:48681
MEDINA, Jose R. Regional pulmonary function evaluation, 24:12197
  Use of scintillation Anger camera and ^{133}Xe in chronic obstructive lung disease, 23:26833
MEDINA, R. Corrections to magnon dispersion relations, 25:3218
MEDLEY, S. S. Ion temperature measurements for PROTO—CLEO stellarator, 25:38405
  Laser interferometry in presence of transverse plasma density gradients, 24:12790
MEDLEY, Sidney Sylvester Electron density measurements on a Z-pinch plasma, 23:42238
MEDLIN, J. Role of lysozyme and character of antibodies in experimental viral infection, 23:26898
MEDLIN, W. L. Natural thermoluminescence of cretaceous limestones in terms of alpha activity, 23:4741
MEDNIS, I. V. Calculations of induced activity in the case of intermittent irradiation, 25:54527
  Determination of hydrogen by neutron activation analysis, 21:30383
  Determination of initial counting rate of short-lived isotopes, 24:44298
  Reference tables for neutron-activation analysis, 23:39955
MEDOFF, Gerald Thymineless death in E. coli 15T$^-$, 24:27724
MEDOKS, V. G. Evaluation of the effect of thermal velocities in electron beams, 22:53059
MEDOVAR, B. I. Effect of boron on Ni-base alloys, 23:30023
  Influence of B on Ni-base alloys, 23:46065
MEDOVSHCHIKOV, S. F. BOR fast reactor, 24:47814
MEDRUD, R. C. Reactively sputtered oxide films, 23:14386
MEDURI, M. Identification of cerebral diffusion by scintigraphy, 24:762
  Indium-113m DTPA brain scanning in diagnosis of expansive processes, 25:29583
MEDVECZKY, L. Audiovisual discrimination for track measurements in emulsions, 25:18728
  Corpuscular photography in Debrecen, 22:38001
  Influence of etching parameters on sensitivity of plastics, 25:390
  Influence of etching parameters on the sensitivity of plastics, 25:44629
  Investigations on ternary photofission, 24:29515
  Investigations on ternary photofission with track recorders of different sensitivity, 25:1761
  Investigations on ternary photofission with track recorders of different sensitivity, 25:46056
  Personnel dosimetry with solid state track detectors, 21:26255
  Photographic-film dosimetry of fast neutrons, 24:29589
  Processing of thin emulsions, 25:18729
  Track revealing and visualization, 25:395
  Track revealing and visualization, 25:44620
MEDVECZKY, Laszlo Autoradiogram of a large surface for the study of fetal iodine metabolism, 21:10779
  Extrathyroideal iodine metabolism in fetal life, 21:10780
  Fast neutron flux measurement by means of plastics, 21:10630
MEDVED, David B. Kinetic ejection of electrons from solids, 22:5103
  Reflection of medium-energy neutral atoms, 22:19766
MEDVED, S. V. Apparatus for the automatic accumulation (storage) and analysis of information in experiments with the synchrocyclotron, 25:31070
  Excited nuclear states during capture of negative muons by carbon and oxygen, 24:38117
  Excited states of nuclei in negative muon capture by carbon and oxygen, 24:8841 (JINR-P15-4745)
  Fluctuations of ionization losses (tables), 21:33116 (JINR-P1-3190)
  Investigation of the reaction pp $\rightarrow$ π^+ np at 650 MeV, 25:17370 (JINR-P1-5570)
  Measurement of R parameter and phase-shift analysis of pp-scattering at 600 MeV, 21:18896 (JINR-P1-3167)
  Measurement of the R parameter and the phase shift analysis of the pp scattering at 600 MeV, 22:5505
  Resolving time of scintillation counters, 24:11809
  Spin correlation in the elastic scattering of polarized 605 MeV protons on protons, 21:17038
  Time structure of particle beams extracted from JINR synchrocyclotron, 21:9879
MEDVEDEFF, M. Monitoring of exposure to high-altitude ionizing radiation, 24:31969
MEDVEDEV, A. A. Dynamic spectrum of radiation from a highly ionized dense plasma, 23:42284
MEDVEDEV, A. I. Accurate measurements of energies of certain gamma transitions, 23:11841
  Beta spectrum and conversion electron spectrum of ^{72}As, 23:10988
  Conversion electron spectra of ^{140}La, 21:2746
  Conversion electron spectrum for strongest transitions in ^{170}Yb, 21:29988
  Data on ^{139}Ce decay, 21:2743
  Decay of ^{169}Lu, 25:28436
  Decay of ^{70}As, ^{71}As, and ^{72}As, 22:35284
  Effects of ionizing radiation on the tyrosine and phenylalanine metabolism in plants, 24:922

Influence of γ irradiation of seeds of various plants on metabolism of tyrosine, phenylalanine, and 3,4-dihydroxyphenylalanine in seedlings, 23:24764
Miltipole order of the 1095-keV transition in ^{173}Yb, 21:27585
MEDVEDEV, A. S. Influence of gamma radiation on the reaction kinetics between U_3O_8 and H_2SO_4 solutions, 22:27764
Radiation damage in selenates of divalent metals, 25:18479
MEDVEDEV, A. V. Some fuel element development problems of fast reactors, 25:48271
Some problems in the development of fuel elements from fast reactors, 25:34355 (JPRS-53069, pp 225-35)
MEDVEDEV, B. I. Appearance of the rotational spectrum in the nuclear phonon model, 25:53827
Calculation of the moments of inertia for deformed nuclei, 25:25800
MEDVEDEV, B. K. Migration of Ti on tungsten in strong electric fields, 24:45342
MEDVEDEV, B. V. Casualty condition and relation between Bogoliubov's and Lehmann—Symanzik—Zimmerman's axiomatic, 22:32197 (ITF-67-38)
Construction of field theory model on the base of unitarity condition, 23:18959 (ITF-68-43)
Field renormalization in axiomatic quantum theory, 22:13832 (ITF-67-28)
Formulation of the adiabatic hypothesis in axiomatic field theory, 22:15836 (ITF-67-24)
Formulation of the adiabatic hypothesis in axiomatic field theory, 22:32199
Gauge invariance and regularization, 24:28581 (ITF-70-15)
Gauge invariance and regularization, 24:37889
Interaction with derivatives model admitting exact solution, 22:29744 (ITF-67-25)
Interaction-with-derivatives model; unitarity problem and normal form of solution, 22:15694 (ITF-67-26)
Lagrangian and scattering matrix, 25:53368
Mass renormalization and field dressing model, 23:14996 (ITF-68-28)
Model of interaction with derivatives admitting an exact solution, 22:3297
Model of local theory with disturbed causality, 23:27849 (ITF-69-3)
Problem of S-matrix unitarity in field theories with derivatives, 22:48367
Problem of the dynamic apparatus of quantum field theory in the axiomatic method, 22:44485
Problems of dynamical apparatus of quantum field theory in axiomatic method, 22:13831 (ITF-67-27)
Renormalization of field operators, 24:49575
Renormalization of the field operator in axiomatic field theory, 22:48364
Spectral representations and field renormalization, 22:13833 (ITF-67-29)
Spectral representations and renormalization of spinorial quantum fields, 23:30790 (ITF-69-9)
Spectral representations in renormalized vector theories, 23:15193 (ITF-68-39)
Spectral representations in renormalizable theory of a massive vector field, 24:10824
MEDVEDEV, E. S. Correlation functions and compression of nonisothermal plasma, 21:27185
Correlation functions and pressure of nonisothermal plasma, 22:9309 (NP-tr-1606)
Correlation functions and the pressure of a nonisothermal plasma, 22:7324
MEDVEDEV, I. G. Possibility of phase transitions in an imperfect multiply ionized plasma, 25:14304
MEDVEDEV, M. N. Aging of plastic scintillators with a polystyrene base, 24:27367
Liquid water—oxane scintillators, 21:22151
Nuclear radiation detectors based on image intensifiers, 21:24221
Optical heterogeneity of inorganic scintillators, 22:38003
Quenching of light bursts in liquid scintillators, 24:11785
Quenching of light flashes in liquid scintillators, 22:40360 (JINR-P13-3894)
MEDVEDEV, M. V. Incoherent scattering of neutrons and the problem of reconstructing the magnon spectrum, 21:5327
Neutron scattering in a ferromagnetic crystal containing impurities with negative exchange coupling, 21:21080
MEDVEDEV, O. G. Production of parts of complex shape in lanthanum hexaboride, 25:55599
MEDVEDEV, P. I. BSB Fe-free single turn synchrotron, 21:15449
MEDVED'EV, S. A. Anisotropy of the superconducting properties of niobium diselenide, 23:46427
Effect of deviations from stoichiometry on certain properties of the phase Nb_3Sn, 22:44062
Effects of impurities on properties of the Nb_3Sn phase, 25:36039
Plasmochemical method of synthesis of superconducting compounds with structure of A15 type, 25:36044
Superconductivity in the Lamellar structures of Type $NbSe_2$, 24:8118
Superconductivity of lamellar structures, 24:45185
Superconductivity of niobium diselenide, 25:36041
X-ray study of the phase transition in Nb_3Sn, 22:46060
MEDVEDEV, S. S. Nature of active centers initiating low temperature radiation polymerization of acrylonitrile, 22:12353
MEDVEDEV, V. I. Reactions $\pi^-p \rightarrow \pi^-\pi^+n$ and $\pi^-p \rightarrow \pi^-\pi^+p$ at 339 MeV, 24:51973
MEDVEDEV, V. K. Structure and adsorption behavior of sodium films on (011) faces of tungsten, 24:45344
MEDVEDEV, V. N. Inversion symmetry of optical centers in diamond, 25:40776
MEDVEDEV, V. S. Energy spectra of electron fluxes in upper atmosphere, 24:30223
MEDVEDEV, V. V. Mechanical properties of alloy VN-2, 23:51047
MEDVEDEV, Ya. A. Electric field excited in air by pulsed γ quanta, 25:19761
MEDVEDEV, Yu A. Electromagnetic field from air ionization by point γ source in electric field of Earth, 24:17779
MEDVEDEV, Yu. A. Electromagnetic field of point source of penetrating radiation above conducting plane in air, 22:19790
Electromagnetic perturbation produced by expanding an ideally conducting sphere in a magnetic field, 24:19864
Electrospectrophotometry of selected stars, 24:12514
Gamma-active source in the geomagnetic field, 24:39968
γ-ray induced scintillation, 25:59119
Luminescence of the air caused by fast electrons, 24:46518
Photoelectric photometry of DY Pegasi, 22:8981
Rapidly varying geomagnetic field disturbances produced by a nonstationary source of gamma quanta, 25:55989
Role of the adrenal cortex in increasing resistance of x-irradiated white mice to acute hypoxia, 21:16454
MEDVEDEV, Yu. V. Beam—plasma discharge in a weak magnetic field, 22:39122
Electromagnetic properties of superconductors with strong coupling, 25:49839
Sound excitation in a Josephson junction, 25:56089
Theory of anomalous superconductors, 23:1333
Ultrasonic absorption in superconductors with electron-phonon interaction, 23:12706
MEDVEDEV, Zh. A. Effect of ionizing radiation on RNA synthesis in nucleated erythrocytes of tadpoles and frogs, 23:12024
MEDVEDEVA, A. M. Quantitative separation of Th and Zr on cation exchange resin, 21:19734
MEDVEDEVA, E. Extraction of U^{6+} by solutions of tri-n-octylamine in the presence of Fe^{3+} and Mn^{2+} ions, 21:1433
MEDVEDEVA, G. A. Nuclear structure in irradiated sporogenous bacteria (data obtained by luminescence microscopy), 21:9029
MEDVEDEVA, G. M. Investigation of the solubility of nitrogen in melts of nickel with cerium, 22:19533
MEDVEDEVA, I. E. Electrochemical preparation of an indium—gallium alloy, 23:51008 (SCL-T-69-251)
MEDVEDEVA, I. F. Change in the localization of histones in the thymus and liver of irradiated rats, 25:44936
MEDVEDEVA, O. A. Technical alloys of system ZrB_2—ZrN, 25:52450
MEDVEDKO, A. S. Current regulator for electromagnets, 24:14361
MEDVEDOVSKAYA, E. I. Action of radiation on electrical-engineering porcelain, 24:14997
Structural changes in some ceramic materials during neutron irradiation, 22:23906
MEDVEDOVSKAYA, Ts. P. Kinetics of accumulation and removal of radioactive sulfur from the eye tissues of experimental animals, 24:50701
MEDVEDSKAYA, I. G. Pasteurization of fresh raspberries with gamma rays of different intensity, 22:28724
MEDVEY, W. Rectal radiation injuries following therapy of collum carcinoma, 21:36640
Treatment of ovarian tumors, 21:36697
MEDVEY, Wojciech Surgical removal of altered appendices in patients with carcinoma of the cervix uteri before irradiation, 22:31190
MEDVID, A. Use of ^{40}K to determine the total β-activity of long-lived fission products, 25:42
MEDVIDOVA, Lydia Effects of ^{40}K on measurement of specimens in biosphere, 22:21461
MEDWEDEFF, Fred M. Precision technic to minimize radiation, 23:31797
MEDWELL, J. O. Analysis of heat transfer for fully developed turbulent flow in concentric annuli, 22:16765
MEDWID, D. W. Double containment Ta—stainless steel SNAP-8 boiler, 23:15692 (N-68-31043)
MEDYANIK, I. A. Effect of x-irradiation on cerebral cortex in dogs, 24:34664
Function of the brain cortex symmetric areas in irradiated animals, 25:28075
MEDYANIK, V. M. Electron elastic scattering on ^{64}Zn and ^{66}Zn nuclei, 25:20345
MEDYANIK, V. N. Electrolytic method for production of metal foils for nuclear investigations and thickness measurements, 25:22036
Obtaining Ru foils for nuclear research and investigation for Ru, Rh, and Pd deposits, 22:24767
Preparation of isotopic lead and bismuth targets for nuclear investigations, 21:13773
Preparation of Mo and Re foils for nuclear studies, 21:6780
MEDZYANOVSKII, E. B. Experience in explosive forming of refractory metals, 23:51015
MEE, C. H. B. Attenuation length of photoelectrons in thin films of uranium, 22:17776
Work-function measurements on films of uranium on tungsten, 23:7057
MEE, James Rf controller, Type CC-372, 23:9276 (EGG-1183-444)
MEE, L. K. RNA synthesis primed by γ-irradiated chromatin templates, 25:18916
MEE, Lorna K. Physical, chemical, and enzymatic properties of ribonuclease S-peptide x-irradiated in solution, 21:45537
MEE, W. T. Evaluation of shipping containers in vermiculite-filled 55-gallon drums, 22:51207 (Y-DD-19)
Methods used to calculate package criticality safety, 25:44572 (Y-DD-100)
Protective features of a facility for large ^{235}U castings, 21:6169 (Y-KC-85)
MEECHAM, W. C. Short-period propagation of infrasonic waves from nuclear explosions, 21:22064 (AD-643536)
MEECHAM, William C. Effect of atmospheric wind structure on shorter-period, nuclear-generated infrasound, 22:13360
MEEDER, Raymond L. Liquid scintillation sample standardization apparatus, 24:5902
MEEHAN, C. Some physical effects of postharvest gamma radiation on fruit of sweet cherry, blueberry, and cranberry, 25:49333
MEEHAN, John Crystal field studies on vanadium and chromium in zirconium oxide, 21:3555
MEEHAN, R. J. Normal and transverse ionizing shock studies, 23:30537
Statistical evaluation of uranium resources, 22:30735
MEEHAN, Richard J. Incident and reflected ionizing shock structure, 22:36926
MEEHAN, Robert J. Estimation of uranium ore reserves by statistical methods and a digital computer, 22:4289 (RME-146)
MEEHAN, T. C. Data terminal network with access to a large computer complex, 23:9785 (BNL-13045)
MEEK, Devon W. Volatile rare earth chelates of β-diketones, 22:30560
MEEK, E. S. Radioautographic processing sequence for coverslip monolayer tissue cultures labelled with tritiated thymidine, 21:11073
MEEK, J. H. Physical problems of particular relevance to arctic communications, 22:46024
MEEK, M. E. EVESR radioactivity transport and deposition, 24:18686 (GEAP-5348)
Fission product yields for ^{235}U, ^{238}U, ^{239}Pu, and ^{241}Pu at thermal, fission spectrum and 14-MeV neutron energies, 22:46761 (APED-5398)
Summary of fission product yields for ^{235}U, ^{238}U, ^{239}Pu, and ^{241}Pu at thermal fission spectrum and 14 MeV neutron energies, 23:34784 (APED-5398-A(Rev.))
Summary of gamma and beta energy and intensity data, 24:52562 (NEDO-12037)
MEEK, R. L. Charged-particle radiation damage observed as dimpling of thin silicon targets, 25:43438
Preparation of supported, large-area, uniformly thin silicon films for particle-channeling studies, 25:45850
MEEK, W. Bibliography on heavy atom kinetic isotope effect research, 24:185 (ORO-3234-12)
MEEKER, Donald J. Electrostatic-inertial plasma confinement, 24:51604 (AD-708522)
MEEKER, R. D. Decay of /sup 73m,g/Se, /sup 75m/Ge, and /sup 77m/Ge, 25:17847
Lifetime of 632 keV 5/2$^+$ level in ^{77}As, 24:40591
MEEKER, Ralph Dennis Decay of /sup 73m,g/Se, /sup 75m/Ge, and /sup 77m,g/Ge, 24:49783 (IS-T-365)
MEEKIN, T. Effects of thermal increments on eggs and young of Columbia River fall chinook, 25:18264 (BNWL-1538)
MEEKINS, J. F. Absence of pulsar characteristics in x-ray sources, 23:12473
Helium-like calcium emission observed during a solar flare, 25:16700
Helium-like calcium, silicon, and sulfur lines during the decay of a large flare, 24:42462
Intensity of soft x-ray background flux: reply to Bowyer and Field, 24:15118
Possible detection of a dense intergalactic plasma, 22:41178
Recombination edges observed in solar soft x-ray flare spectra, 24:42461
Soft x-rays from Scorpius X-1, 22:49906
Solar soft x-ray flare spectra from OSO-4, 24:42460
Solar x-ray spectrum from 1.9 to 25 A, 21:33055
Temperature and emission-measure profiles of two solar x-ray flares, 25:920
X rays from Coma cluster of galaxies, 25:35799
X-ray line emission from Scorpius XR-1, 23:22751
X-ray pulsar in Crab Nebula, 23:27259
X-ray spectra of several discrete cosmic sources, 23:39174
X-ray spectra of several discrete cosmic sources, 24:37054 (AD-684098)
MEEKINS, John F. Discovery of x-ray source in Perseus, 25:22293
Excess background radiation of soft x rays at the galactic pole and plane, 25:11653
Line emission in the x-ray background, 25:30140
X-ray intensity fluctuations in Cygnus XR-1, 25:47262
X-ray line and continuum spectra of solar flares from 0.5 to 8.5 angstroms, 23:6844
X-ray spectra of Crab Nebula and NP 0532, 25:16675
MEEKS, A. C. Effect of uranyl perchlorate on the kinetics of polymerization of acrylamide, 21:12398
MEEKS, Gene A. Apparatus for generating fusion reactions, 24:51724
Highly efficient, inexpensive, medium current ion source, 21:25381
MEEKS, M. L. Galactic OH emission, 22:43782
Interstellar sulfur hydride, 23:10372
Observation of 94α and 148delta H and 94α He emission lines in Orion Nebula, 21:34989
Observations of 8-GHz continuum and hydrogen recombination lines in Orion Nebula, 22:29023
Observations of OH emission in H/sub II/ region W3 with 74400lambda interferometer, 21:28884
Search for excited state of OH in W3, 25:9093
Studies of H_2O sources by means of a very-long-baseline interferometer, 24:27983
Water vapor: observations of galactic sources, 23:36346
MEEKS, N. New method for the combustion of samples for radiocarbon dating, 23:9546
MEEKS, R. L. DDT in a freshwater marsh, 24:25348 (BNWL-1297)
MEEKS, Robert L. Cycling of ^{36}Cl labeled DDT in a marsh ecosystem, 21:34626 (COO-1358-3)
MEELHUYSEN, R. PLUTHARCO: plutonium, uranium, thorium assembly reactivity code, 21:17439 (EUR-3141.e)
MEEM, J. L. Analysis of a radially loaded thermal reactor, 24:11174
Calculated and experimental flux and power distributions in UHTREX, 22:25094 (LA-DC-9511)
Calculated and experimental flux and power distributions in UHTREX, 22:33077

- Comparison of power profile calculations with experiment in UHTREX, 22:25093 (LA-DC-9427)
- Doppler considerations for high-temperature gas-fueled cavity reactors, 25:5957
- Radiation safety at the University of Virginia, 21:2877
- Safety analysis of pool reactors, 21:35727

- MEEM, J. L. Jr. Calculation and interpretation of UHTREX critical experiments, 24:38601 (LA-4218)
- MEEMA, H. E. Interrelationships between cortical bone thickness, mineral mass, and mineral density in human radius: a roentgenologic-densitometric study, 25:4617 (CONF-680211-, pp 135-59)
- MEEMA, Silvia Interrelationships between cortical bone thickness, mineral mass, and mineral density in human radius: a roentgenologic-densitometric study, 25:4617 (CONF-680211-, pp 135-59)
- MEENAKSHI, K. Isotope shift in 5525 A line of neodymium, 24:51407
- MEENAN, Peter Stability of the two-temperature reactor model with delayed neutrons, 21:8076
- MEER, N. ter Unit cells of some Am(III) salts with organic anions, 22:86
- MEEROFF, Marcos Perforation of the esophagus by cobalt pearls, 21:10938
- MEERON, Emmanuel Physics of many-particle systems: method sand problems. I, 22:11565
- MEEROVICI, Balfour Nuclear magnetic resonance in UH$_3$ and UD$_3$, 24:26336
- MEERS, J. T. Effects of neutron damage on mechanical properties of graphite, 22:13078 (TID-24233)
  - High temperature radiation damage to graphite. II, 21:531 (BNWL-237)
  - Prog. rpt. on effects of neutron damage on mechanical properties of graphite, annual, 7/65—6/66, 21:516 (TID-23388)
- MEERS, Joseph T. Fuel elements, 23:28637
- MEERSON, G. A. Activated sintering of zirconium boride, 22:28890
  - Activation sintering of zirconium and hafnium carbides in a vacuum, 22:15240
  - Activation sintering of zirconium boride, 21:41644
  - Cermet materials in nuclear technology, 22:11032
  - Efficient thorium and rare earth extraction from monazites by alkali treatment, 21:25954
  - Electrochemical refining of commercial niobium in chloride salt melts, 22:52153
  - Electrolytic refining of zirconium carbide, 22:38609
  - High-temperature oxidation of WC—TaC—Co alloys, 21:45978
  - Investigations of the conditions for the production of hexaborides of the rare earths and alkali earth metals of high puriy, 21:45983
  - Obtaining metallic Nb from Ni—Si alloys by electrolysis, 24:36883
  - Peculiarities of the vacuum-thermal method of preparation and some properties of yttrium and gadolinium borides, 21:8268
  - Preparation of carbon-free borides of Cr, Mo, and Zr by thermal method, 24:14680
  - Preparation of niobium carbide and niobium carbonitride from niobium pentoxide, 21:11285
  - Preparation of pure rare earth and alkaline earth hexaborides, 22:8843
  - Preparation of pure yttrium hexaboride and study of its emissive properties, 22:8834
  - Preparation of very pure stoichiometric lanthanum hexaboride, 25:40096
  - Properties of alloys NbC—WC and TaC—WC, 22:38629
  - Relation of strength and hardness of alloys WC—TaC—Co and WC—NbC—Co as a function of temperature, 23:12417
  - Role of TaC in WC—Co alloys, 25:16572
  - Sintering conditions of lanthanum hexaboride, 21:41643
  - Sintering of lanthanum hexaboride, 22:8808
  - Structure and physical and mechanical properties of WC—TaC—Co hard alloys, 21:3549
  - WC—NbC—Co alloy resistance to oxidation in the open air, 21:41635
- MEERT, A. Current flow of a condenser discharge of an electrodeless MHD motor, 25:36202
  - Determination of the energy balance of a pulsed plasma source, 25:22536
- MEERWALD, E. Heat transfer from surface roughened by thread-type ribs at high temperatures, 24:29439
  - Heat transfer in an annulus with large temperature differences between wall and coolant gas, 22:7856
  - Heat-transfer and friction coefficients for subsonic turbulent flow of air, 21:12581
- MEERWALD, K. Carrying capacity of prestressed concrete pressure vessel for THTR-300-MW(e) prototype nuclear power station, 25:56888
- MEESE, D. Malignant thyroid adenomas following x radiation during childhood, 25:13585
- MEESE, J. M. Impurity dependence of the low-temperature annealing in n-type germanium, 25:56331
- MEESE, Jon Michael Annealing of 65°K stage in irradiated n-type Ge, 25:25207
- MEESSEN, A. Problem of quantization of space—times, 22:20330
  - Quantization of space—time and generalization of the Dirac equation, 25:25503
- MEETZ, K. Chiral-invariant perturbation theory, 25:33711
  - Sum rules in perturbation theory, 21:29534 (DESY-67/11)
  - Sum rules in perturbation theory, 21:31595
- MEETZ, Kurt Chiral symmetry in a curved isospin space, 23:27843
- MEFED, A. E. Connection between dynamic polarization of nuclei and electron spin—spin reservoir temperature, 22:22217
- MEFFERD, Wayne S. Power meter for measurement of radiation, 25:57761
- MEFFORD, C. R. Performance of B-containing control rods, 22:30199
- MEFFORD, Carl Rayford Reactor core, 23:21497
- MEFOD'EVA, M. P. Complex compounds of transuranides, 22:37755
  - Heptavalent neptunium and plutonium, 23:26222 (UCRL-Trans-10343)
  - Heptavalent state of neptunium and plutonium, 24:210
  - Heptavalent state of neptunium and plutonium, 25:57404
  - Heptavalent state of transuranic elements. IX, 24:38850
  - Heptavalent state of transuranic elements. IX, 25:15568
  - Heptavalent state of transuranium elements, 22:50975
  - Heptavalent state of transuranium elements. IV, 23:21695
  - Heptavalent state of transuranium elements. III, 23:21694
  - Investigation of the kinetics of the disproportionation of Np(V) in oxalate solutions, 22:10230
  - Method for the preparation of neptunium in the 7-valent state, 22:48846 (ANL-Trans-670)
  - Methods of heptavalent neptunium production, 22:45058
  - Oxalate compounds of hexavalent neptunium, 23:43312
  - Septivalent neptunium and plutonium, 23:24185
  - Seven-valent state of transuranium elements, 23:2258 (ANL-Trans-678)
- MEGAHED, Gamal E. Radiocardiographic formula for the calculation of the area of the stenotic mitral valve, 21:41440
- MEGAHED, Y. M. Kinetics of /sup 99m/Tc labelling of tyrosine, 24:36681
  - Technetium-99m in the study of thyroid disorders, 23:5002
- MEGAHID, R. Measurement of continuous fast neutron spectra by scintillation technique, 25:34920 (UARAEE-91)
  - Neutron transmission through ducts perpendicular to neutron beam axis in water shields, 25:36251 (UARAEE-86)
- MEGALAA, W. Z. Low lying levels of ^{55}Fe, 24:45769
  - Reaction ^{55}Mn(p,p'γ)^{55}Mn low proton energies, 24:47629
- MEGAW, J. H. P. C. Asymmetry measurements for reaction ^{10}B(p,d)^{9}B induced by polarized protons, 25:34009
  - Convective motion in the climax toroidal quadrupole device, 25:38329 (CONF-710607-7)
  - Polarization in elastic scattering of 30-MeV protons by ^{3}He, 22:26800
  - Polarization in the elastic scattering of 9.5- and 21.6-MeV protons by deuterons, 23:8932
  - Polarization of 30- and 50-MeV protons elastically scattered from deuterons, 22:20445
  - Reactions ^{26}Mg(p,t)^{24}Mg and ^{26}Mg(p,^{3}He)^{24}Na at 50 MeV, 23:13253
- MEGAW, W. J. A high resolution charge and mobility spectrometer for radioactive submicrometre aerosols, 24:5952
  - Production of monodisperse sub-micron aerosols, 24:7527
- MEGEMONT, Charles Stability of organic molecules after γ irradiation, 24:36266 (CEA-R-3962)
- MEGERTH, F. H. Postirradiation examination of special assembly SA-1, 22:32821
  - Prog. rpt. on Zircaloy—clad UO$_2$ fuel rod evaluation program, 5—7/70, 25:8951 (GEAP-10217)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 11/67—1/68, 22:41131 (GEAP-5598)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 2—4/68, 22:49712 (GEAP-5624)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod, 5—7/68, 23:4145 (GEAP-5667)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 11/68—1/69, 23:34024 (GEAP-5746)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 8—10/68, 23:48573 (GEAP-5702)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 2—7/69, 24:1049 (GEAP-10079)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 8—10/69, 24:21445 (GEAP-10121)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 2—4/70, 25:4886 (GEAP-10204)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 8—10/70, 25:24664 (GEAP-10287)
  - Prog. rpt. on Zircaloy-clad UO$_2$ fuel rod evaluation program, 11/70—3/71, 25:40135 (GEAP-10363)
  - Zircaloy-Clad UO$_2$ Fuel Rod Evaluation Program. Quarterly progress report no. 9, November 1969—January 1970, 24:46124 (GEAP-10160)
- MEGERYAN, R. G. Temperature dependence of spontaneous magnetization in holmium during heating—cooling cycle, 25:9579
- MEGESSIER, C. Ap Si 4200 stars, 25:22247
- MEGGERS, W. F. Improved description of Tc spectra (Tc I and Tc II), 2000 to 9000 A, 22:26248
- MEGGERS, William F. Second spectrum of ytterbium (Yb II), 22:26250
- MEGGITT, G. C. Effect of crystal surface on response of NaI(Tl), 24:36580
- MEGGITT, S. M. A. Taylor series for the convective core in a stellar model, 21:2006
- MEGGOS, Haralambos N. Logarithmic distribution coefficients of rare earth compounds fractionally precipitated from homogeneous solution, 22:8054
- MEGGS, W. J. A$_1$ enhancement and recoupling effects, 22:34955
  - Comments on analyses of anti pn $\rightarrow$ 3π, 25:56485 (ORO-3992-66)
  - Eigenvectors for partial-wave crossing matrices, 23:5711
  - Generalized multipole expansions, 23:13137 (NYO-3399-172)
  - Mass selection, Bose statistics, and kinematic enhancement, 23:34588
  - Natural- and unnatural-parity components in diffractive multi meson production amplitudes, 25:22827
  - Simultaneous partial-wave expansion in the Mandelstam variables, 23:15157
  - Two-variable expansion of the scattering amplitude for any mass and crossing symmetry for partial waves, 24:13108
- MEGGS, William J. Duality classes for pion—nucleon scattering, 24:52090
  - Lectures on current algebras, 23:16940 (NYO-3399-166)
  - Rising phase-shift model and evidence for daughters in the reaction anti pn $\rightarrow$ $\pi^-\pi^+\pi^-$, 24:37761
- MEGGS, William Joel Topics in the dynamics of strong interactions, 25:14678
- MEGIER, J. Epithermal absorption in an isolated resonance, 22:44581
- MEGILL, L. R. Accidental rocket observation of O$_2$($^1\Delta$/sub g/) in an aurora, 24:45089
  - Energy dependence of reactions of O$^+$ with N$_2$, O$_2$. I, 21:39834
  - Measurement of the effective electron loss rates in the D region during polar cap absorption events, 25:43256
  - Oxygen atmospheric and infrared atmospheric bands in the aurora, 24:47133
  - Preliminary results from the 1.27-micron measurements in the Boulder ionospheric modification experiment, 25:7269
  - Solar proton monitoring system, 24:37091 (N-70-22889)
  - Study of inelastic collisions by drifting ions, 21:3667
  - Two-ion D-region model for polar cap absorption evnets, 22:17530
- MEGLI, D. G. Decay of ^{97}Zr to nuclear states of ^{97}Nb, 24:35865
  - Gamma decay of analog resonances in the ^{48}Ti(p,γ)^{49}V reaction, 24:13338
  - Nuclear energy states of ^{171}Tm, 22:7722
  - Nuclear states of ^{143}Pr, 22:7720
- MEGLI, Darrell George Measurement of some nuclear parameters in the radioactive decay of ^{143}Ce, ^{171}Er, and ^{97}Zr, 24:45794
- MEGLITSCH, Paul A. Conference on proceedings of the Iowa Academy of Science, Pella, Iowa, 4/66. LXXIII, 23:11626
  - Proceedings of the Iowa Academy of Science for 1969. Volume 76. The seventy-ninth session, held at Des Moines, April 18—19, 1969, 24:39561
- MEGN, A. V. Flux densities of some radio sources in frequency range 12 to 25 MHz, 24:21495
  - Spectra of discrete radio sources at decametric wavelengths. II, 23:36337
  - Spectra of discrete radio sources at decametric wavelengths. I, 23:36332
  - Spectra of discrete sources in 10- to 5000-MHz range, 25:873
- MEGO, John L. Prog. rpt. on evaluation of potential scanning agents in brain tumors, 1/64—12/66, 21:20234 (NYO-2182-9)
  - Use of formaldehyde-treated ^{131}I-albumin in study of digestive vacuoles and some properties of these particles from mouse liver, 21:22288
- MEGRUE, G. H. Distribution and origin of He, Ne, and Ar isotopes in Apollo 12 samples, 25:43099
  - Isotopic analysis of rare gases with a laser microprobe, 21:42884
  - Rare gas chronology of hypersthene achondrites and pallasites, 22:19689
- MEGUMI, Kazuko Measurement of atmospheric radon gas and its decay products, 23:34999
- MEGUMI, Tsuneo Changes of resistance against x-rays, 23:41226
  - Effects of ^{137}Cs and ^{90}Sr administered continuously and through generations upon mice. V, 22:45457
  - Effects of ^{137}Cs and ^{90}Sr administered continuously and through generations upon mice. VI, 23:41227
  - Effects of ^{137}Cs and ^{90}Sr on the growth and reproduction of mice. IV, 22:12912
  - Effects of ^{90}Sr and ^{137}Cs on mice, 23:20387
- MEGY, J. Construction of prototype power station Phenix, 23:45035
  - Fast neutron power reactor PHENIX, 25:46232
  - Fast neutron reactor Phenix, 25:60039
- MEHAFFEY, Joseph H. Parameters for background radiation measurements, 22:2415
- MEHALCHICK, Emil J. Preparation of vapor-deposited tungsten at atmospheric pressure, 22:15160
- MEHAN, K. P. Simple double isotope tracer technique for the measurement of fecal radioactivity, 22:6725
  - Simple method of estimating folic acid absorption, 21:22525
- MEHANDGIEV, A. Effect of heat treatment and anaerobic hydration on the radiosensitivity of peas, 24:23177
- MEHANN, R. O. First refueling of the N. S. Savannah, 24:46105
- MEHAS, T. C. On-site health and safety report: Project Sterling, 23:8005 (VUF-1038)
- MEHDIZADEH, P. Effects of anodic oxide films on the mechanical properties of aluminum single crystals, 25:23461 (ORO-3401-16)
- MEHENDALE, K. N. Scattering cross section for N$_2$ molecules range 20 to 200 eV, 22:19773
- MEHENDRU, P. C. Alkali halide thermoluminescent dosimeters, 25:448
  - Growth of F centres in highly pure KCl crystals, 24:28404
  - Intensity of x radiation and late-stage coloration in pure KCl crystals, 23:46550
  - Optical and electrical properties of Mn-doped KCl crystals, 25:7444
  - Optical and ESR studies in pure and Mn-doped LiF crystals, 25:1283
  - Optical and thermoluminescence studies in x-irradiated KCl crystals, 24:42758
- MEHL, J. Nuclear accident dosimetry research and experience, 25:10818
- MEHL, J. B. Flow of superfluid helium in a porous medium, 22:15490
- MEHL, James Bernard Gyroscopic detection of persistent flow of superfluid helium and associated studies, 21:5205 (COO-1569-4)

Gyroscopic detection of persistent flow of superfluid helium and associated studies, 21:46293
MEHLER, Alan H. Analysis of amino acid binding to proline-tRNA synthetase of E. coli, 24:13660 (COO-1498-9)
Binding of transfer RNA and arginine to arginine transfer ribonucleic acid synthetase of E. coli, 24:13659 (COO-1498-8)
Prog. rpt. on chemical basis for specificity of amino acid—tRNA synthetase, 12/69, 24:13658 (COO-1498-7)
MEHLHOP, W. A. W. Interference between neutral kaons and their mass difference, 22:46320
Interference effects of neutral kaons and sign of their mass difference, 21:44256 (UCSD-10-P-10-102)
Sign of the mass difference of neutral kaons, 21:46469 (UCSD-10-P-10-104)
Solid-state devices as detectors of coherent high-energy interactions, 21:3298
Test of the $\Delta S = \Delta Q$ rule in $K^0 \rightarrow \pi e \nu$ decay, 23:21047
MEHLHORN, G. Effect of whole-body irradiation on serum protein content, 25:52192
MEHLHORN, Guenther Diagnosis of acute radiation sickness in hogs, 24:17143
MEHLHORN, R. Hyperfine structure in trivalent plutonium, 25:7493
MEHLHORN, Rolf Energy level calculations for singly ionized hafnium, 22:15330 (UCRL-18040)
MEHLHORN, Rolf J. Hyperfine structure in ^{253}Es emission spectrum. II, 24:47001
MEHLHORN, W. New method for measuring electron impact ionization cross sections of inner shells, 21:41802
Polarization of characteristic x radiation, 22:21896
MEHLIG, D. Experimental techniques for photon scattering below 140 MeV, 25:20189
Improvement of the resolution of large NaI-scintillation spectrometers for high energy photons, 25:48967
Measurement of time dependent waveform and average beam current of linear accelerator by magnetic pickup coil, 21:37953 (BMwF-FBK-67-58)
Nuclear photon scattering between 10 and 80 MeV, 24:28706
MEHLING, O. Energy dependence of β-(circularly polarized γ) correlations, 23:15421
Energy dependence of β—(circularly polarized γ) correlations, 23:30993
Nuclear-spectroscopic investigation on ^{6}Li, ^{42}K, ^{86}Rb, ^{141}Ce, ^{144}Ce, ^{144}Pr and ^{203}Hg, 22:53105
MEHLMAN-BALLOFFET, G. Far-ultraviolet absorption spectra with auto-ionized levels of beryllium and magnesium, 23:44111
Spectroscopic investigation of a triggered vacuum spark as a source of lithium ions in a magnetic field, 21:44030 (MATT-547)
MEHLSEN, S. Pilot Project DK 400, 23:15616
MEHLTRETTER, J. P. Fine structure of brightness, velocity, and magnetic field in the penumbra, 23:36383
Pi components in Zeeman-split lines of umbra spectrum, 24:3103
rms intensity fluctuation of solar granulation, 25:55744
Studies of granular velocities. I, 24:10300
Studies of granular velocities. II, 25:27366
MEHNDIRATTA, S. L. Planning for optimum phasing and absorption of power plants in grids, 25:53946 (A/CONF.49/P-528)
MEHNER, A. S. Prog. rpt. on specific Zr alloy design program, 7/68, 22:49713 (GEAP-5649)
Prog. rpt. on specific Zr alloy design program, 1/69, 23:22464 (GEAP-5743)
Prog. rpt. on specific Zr alloy design program, 4/69, 23:48497 (GEAP-10026)
Prog. rpt. on specific Zr alloy design program, final, 6/69, 24:9995 (GEAP-10044)
MEHNER, H.-C. Fuel element monitoring in Rheinsberg nuclear power plant reactor, 24:45861
MEHNER, Juergen Comparison of the exact solution according to the spherical function method and the case method for linear anisotropic scattering laws for monoenergetic half space problems, 22:48142
Scattering model for metal hydrides, 23:46904
Time-dependent neutron thermalization in a metal hydride moderator, 25:37132
MEHNERT, Franz Phosphate content of skeletal muscles of irradiated mice, 24:44426
MEHNERT, R. Fine structure of isobaric analog resonance in reactions ^{55}Mn(p,γ)^{56}Fe and ^{55}Mn(p,n)^{55}Fe, 23:21293 (ZFK-130, pp 96-9)
Information on isobaric analog states in ^{56}Fe, 23:21294 (ZFK-130, pp 100-3)
Isobaric analog states in ^{56}Fe, 21:46707
Isobaric-analog resonances in the reactions ^{55}Mn(p,γ)^{56}Fe and ^{55}Mn(p,n)^{55}Fe, 22:18191
MEHR, F. J. Electron temperature dependence of recombination of O_2^+ and N_2^+ ions with electrons, 23:20711
Electron temperature dependence of recombination of N_2^+ ions with electrons, 23:20712
Electron-temperature dependence of electron—ion recombination in neon, 22:9353
Electron-temperature dependence of electron—ion recombination in argon, 23:1442
MEHR, Josef Angular distribution of electrons scattered elastically by rare gas atomic beams; polarization of 40-eV electrons scattered by Ar, 21:9326
MEHRA, A. L. Composite sphere in general relativity, 25:36583
General relativistic isothermal gas spheres, 21:29402
Gravitational field of a sphere composed of concentric shells, 24:13170
Hubble's expansion in vectors formed by Δ tensors, 21:31502
MEHRA, Harish C. Microdetermination of Au(III), Ag(I), and Ru(III) by ring colorimetry, 25:15487
Quercetin as a spray reagent in inorganic thin-layer chromatography and evaluation of the chromatographed species by ring colorimetry, 25:41743
Trace metal analysis by combined thin-layer chromatography incorporating fluorescent support and ring oven colorimetry, 25:12944
MEHRA, Jagdish Albert Einstein's first paper, 25:48395 (ORO-3992-31)
MEHRA, M. C. Radiochemical separations on insoluble ferricyanides, 24:19083
MEHRA, O. K. Aluminothermic reduction of molybdenum disulphide and concentrated molybdenite, 22:52148
Chlorination of tantalum—pentoxide, 22:43556
MEHRA, P. N. Irradiation studies on Pterotheca Falconeri, 24:25461
Radiobiological investigations on Pteris vittata L, 23:35691
MEHRAN, A. R. Incorporation of L-threonine and L-methionine in plasma proteins of irradiated rabbits, 22:43250
Intestinal absorption of L-alanine in irradiated rabbits, 21:10762
Radiochemical degradation of threonine and serine, 21:8702
Simultaneous intestinal transfer of D- and L-methionine in irradiated rabbits, 21:39361
Some aspects of the biochemistry of plasma in the irradiated rabbit, 22:43234
MEHRINGER, W. Packaging in food preservation by irradiation, 24:34820
Simple method of measuring radiation dose in the megarad range using low-density polyethylene film, 25:39765
MEHRINGER, Wolfgang Molecular plasmons, 24:19774
Thermal and subthermal neutron scattering, 22:20428
MEHRISHI, J. N. Cell membrane characteristics of Ehrlich ascites tumour cells irradiated with small doses of ionizing radiations in the presence of radioprotective and radiosensitizing drugs, 25:4568
Loss of intracellular K^+ ions from intact Ehrlich ascites carcinoma cell following irradiation, 23:50817
The electrophoretic properties of particles of some model compounds and biological cells and the effect of small doses of ionizing radiations on graphite in suspension: the effect of tritiated water and a radioactive drug on human red cells and ehrlich ascites carcinoma cells, 23:2956
MEHRLICH, F. P. U. S. Army food irradiation program, 21:26743
MEHROTRA, A. K. Defect structure and ionic conductivity of zirconia and thoria, 25:25227 (INIS-mf-18)
Defect structure and ionic conductivity of zirconia and thoria, 25:45146
MEHROTRA, K. N. Insect population control by the sterile-male technique, 21:22720
Radiolysis reactions of colloidal silver and silver bromide, 25:8302
Vibration spectra and Debye temperatures of some transition metals, 25:43490
MEHROTRA, M. C. Radiation injuries of the face, 24:6139
MEHROTRA, P. N. Electrical transport in rare-earth oxides, 25:14469
Phase transformations of rare earth sesquioxides La_2O_3, Nd_2O_3, Pr_2O_3, and Y_2O_3, 21:14904
MEHROTRA, R. Indefinite metric, 25:1471
MEHROTRA, R. C. Alkoxy and acyloxy derivatives of lanthanons, 22:23002 (CONF-670502-, pp 392-402)
Reactions of acetyl chloride with thorium alkoxides, 23:126
Volatile double alkoxides of lanthanons, 22:33300
MEHROTRA, R. M. L. Effects of single-dose x irradiation of liver in albino rats, 22:442
Histological and biochemical changes following x-irradiation of exposed liver, 21:22269
Study of the effects of single dose x-radiation of liver in albino rats, 22:25969
X irradiation of regenerating liver in albino rats, 21:16269
MEHROTRA, Rashmi Role of repulsive core in $^3S_1$ potential and electromagnetic form factors of deuteron, 24:37721
MEHTA, C. H. Simple factorizable multi-Regge model, 23:39845
Simplified multi-Regge model at t not equal to 0, 24:26484
MEHTA, C. L. Fermion operator ordering and the quantum c-number correspondence, 24:20016
Realization of Lie algebras by analytic functions of generators of a given Lie algebra, 22:35025
MEHTA, G. K. Activities of the nuclear physics group at Indian Inst. of Tech, 24:28699
Configuration mixing calculations in Hartree—Fock representation, 25:20286
Correlation between the number of neutrons emitted, the scission point configuration, and the total kinetic energy in fission, 23:19269
Effective interaction and level structure of nuclei with free nucleon—nucleon interaction, 25:33974
Effective interaction for light and intermediate nuclei, 23:15496
Effective interaction for nuclear spectroscopy calculations, 23:19358
Effective interactions in finite nuclei, 22:27310
Isospin splitting in giant resonance of ^{11}B, 25:33984
P-wave neutron fission of ^{235}U, 22:32631
Phenomenological potentials and realistic forces, 22:32713
Pick-up rejection scheme for low counting rate experiments, 21:14492 (CONF-660221-, pp 345-7)
Plutonium-239 ternary fission in the resonance region, 21:15548 (CONF-660221-, pp 33-7)
Proton induced reactions on ^{51}V, 21:15512 (CONF-660221-, pp 89-92)
Simulation of T = 0 realistic forces, 24:43141
MEHTA, K. K. Calculations of flux spectra and energy deposition for fast neutrons, 24:29080 (AECL-3423)
MEHTA, K. N. Fluctuating flow of a viscous incompressible conducting fluid, 23:18493
MEHTA, Kishor Kalidas Thermal neutron capture gamma rays from ^{169}Tm, 22:9912
MEHTA, M. Spin isomers of the shape isomer /sup 237m/Pu, 25:12530 (RLO-1388-130)
Spin isomers of the shape isomer /sup 237m/Pu, 25:34089
MEHTA, M. K. Absolute differential cross-section for the reaction ^{6}Li(α,α)^{6}Li, 24:15798
Absolute total cross section for the reaction ^{51}V(p,n)^{51}Cr, 24:15830
Alpha particle scattering, 22:32708
Elastic scattering of ^{16}O by ^{16}O, 24:38102 (RLO-1388-123)
Elastic scattering of ^{16}O by ^{16}O, 24:43124
Elastic scattering of alpha particles from ^{6}Li, 21:15475 (CONF-660221-, pp 123-6)
Elastic scattering of alpha particles by ^{24}Mg, 21:15516 (CONF-660221-, pp 120-2)
Excitation functions for reactions ^{27}Al(p,α_0)^{24}Mg and ^{27}Al(p,α_1)^{24}Mg*, 23:19208
Fluctuations in integrated cross section of reaction ^{45}Sc(p,n)^{45}Ti, 22:32531
Fluctuations in the integrated cross section of the reaction ^{45}Sc(p,n)^{45}Ti, 21:23445
Levels in ^{28}Si, 22:32559
Measurement of the total ^{44}Ca(p,n)^{44}Sc reaction cross section around the isobaric analog state at E/sub p/ = 1.976 MeV, 25:50704
Reaction ^{13}C(α,n)^{16}O cross section between 1.95 and 5.57 MeV, 21:29904
Reaction ^{16}O(n,α)^{13}C cross sections from the ^{13}C(α,n)^{16}O reaction, 21:4231
Reaction ^{29}Si(α,n)^{32}S cross section, 24:15831
Reaction ^{51}V(p,n)^{51}Cr between 1.56 and 5.53 MeV, 22:32533
Reactions ^{13}C(α,n)^{16}O and ^{51}V(p,n)^{51}Cr, 21:15486 (CONF-660221-, pp 93-7)
Reactions ^{19}F(p,α_0)^{16}O and ^{19}F(p,α/sub 1+2/)^{16}O, 23:19166
Scattering of alpha particles by oxygen. I, 21:40383
Scattering of alpha particles by oxygen. II, 21:40384
Search for 1.65- and 1.83-MeV levels in ^{27}Al, 21:19210
Shape analysis for 3.5-MeV resonance in alpha scattering by ^{6}Li, 23:19173
Spin and parity assignment to the level at 14.378 MeV in ^{28}Si, 23:19210
Spontaneous fission isomerism in uranium isotopes, 24:40618 (RLO-1388-114)
Spontaneous fission isomerism in uranium isotopes, 24:40653
States in ^{10}B from elastic scattering of alphas by ^{6}Li, 25:20292
Structure in ^{27}Al(p,α)^{24}Mg cross section between E/sub p/ = 4.0 and 5.5 MeV, 24:6869
Study of structure in the reactions ^{27}Al(p,α_0)^{24}Mg and ^{27}Al(p,α_1)^{24}Mg* from 4.00 to 5.50 MeV, 22:27060
T = 2 state in ^{28}Si, 24:15829
Total ^{44}Ca(p,n)^{44}Sc reaction cross section around the isobaric analog state at E/sub p/ = 1.976 MeV, 24:43291
Total and partial widths for levels in ^{17}O, 22:32511
Width and resonance energy of the 7.01 MeV level in ^{10}B, 25:50660
MEHTA, M. L. Classification of irreducible unitary representations of compact simple Lie groups. II, 21:4083
Classification of irreducible unitary representations of compact simple Lie groups. I, 21:4082
Creep behavior of Zr—0.5 wt percent Nb—1.0 wt percent Cr alloy, 22:23753 (BARC-308)
Distribution laws for the roots of a random antisymmetric Hermitian matrix, 22:16069
Effect of thermal treatment of hardness and tensile properties of Zr—0.5 wt percent Nb—1.0 wt percent Cr alloy, 22:6980 (BARC-295)
Heat treatment on mechanical properties of Zr—1 percent Cr, Zr—0.5 percent Nb— and Zr—0.5 percent Nb—1 percent Cr alloys, 22:34033 (BARC-306)
Hermitian random matrices with small imaginary part, 24:22202
Irreducible corepresentations of groups having a compact simple Lie group as a subgroup of index 2, 22:50421
Perturbation of the statistical properties of nuclear states and transitions by interactions that are odd under time reversal, 22:16070
Random matrices and the statistical theory of energy levels, 22:24511
MEHTA, M. M. Polarography of U, 23:7539
MEHTA, M. N. Linear scanning of small animals by an isotope scanner, 22:40377
Linear scanning, 22:6566
Radioiodinated synkol as a tumour-localizing agent, 23:48114
MEHTA, N. Model calculation with perturbed dispersion relations, 24:52225
MEHTA, Naren Long-range perturbing forces and the N/D method, 24:52223
MEHTA, P. C. Grafting of acrylonitrile to different cellulosic materials by high-energy radiation, 23:287
Infrared spectra of rare earth β-diketonates, 25:52606 (CONF-711001-(Vol.1), pp 64-72)
MEHTA, P. P. Annealing effects in muscovite, 24:4378
MEHTA, S. K. Dose conversion factors for Am—Be, Pu—Be, Po—Be, and Am—B neutron sources, 23:48058
Electrostatic precipitator for quick estimation of concentration of ^{239}Pu in air, 23:47908
Safety in design of radiological laboratories, 24:31542
MEHTA, S. L. Integral measurements for 28-element UO_2 assemblies with air, H_2O, and air—H_2O mixture coolants, 24:5538 (AECL-3416)

Neutron spectrum measurements in simulated Pb—Bi cooled 19-element UO_2 bundle, 24:13540 (AECL-3192)
MEHTANI, U. $\pi^+ + p \rightarrow \Delta^{++}$ (1236) $+ \pi^0$ AT 1.85 to 2.09 GeV: study of s- and t-channel effects, 25:43551 (UCR-34-P-107-B-108)
Study of $\pi^+p \rightarrow$ rho$^+$p at 1.85 to 2.09 GeV, 25:43552 (UCR-34-P-107-B-110)
MEHU, Annick Comparative measurement of refraction indices of light and heavy water at different temperatures, 21:15904
Variation of molar refraction of D_2O and H_2O with temperature and wavelength, 24:29293
MEHURON, William Otto Electromagnetic wave interaction in an inhomogeneous drifting plasma, 21:15120
MEI, C. C. Hydrodynamic effects of nuclear explosions. V, 22:35960 (AD-661453)
MEI, Ch'i-yung Use of activation to determine fission neutron spectra through (n, γ) reactions, 22:14804
MEICHLE, A. Swiss public opinion and nuclear energy, 25:53907 (A/CONF.49/P-676)
MEICHLE, Adolphe W. Muehleberg: second Swiss nuclear power station, 23:34879
MEICHLE, R. H. Clean ^{238}Pu from ^{237}Np irradiation, 23:33333 (DUN-SA-84)
Clean ^{238}Pu from ^{237}Np irradiation, 23:35426
MEICHSNER, O. Consolidation of radioactive concentrates in nuclear power plants, 24:31037
MEIDAV, Meir X-ray intensity fluctuations in Cygnus XR-1, 25:47262
MEIDER-GORICAN, H. Phosphoryl compounds as extractants for Zr, Nb, and Ta, 22:6403
Solvent extraction of Zr and Hf. I, 25:44429
MEIER, D. Breakup of deuterons with 14.1-MeV neutrons, 22:48445
Deuteron break-up by 14.1-MeV neutrons, 21:44556
Fast pulse height discriminator with compensation of rise time and threshold effect, 21:45412
Rapid-pulse-height discriminator with compensation of the time of rise and the threshold effect, 24:21002 (ORNL-tr-1871)
Scattering of 14.1-MeV neutrons by ^{16}O and ^{18}O, 24:1749
Tumor localizing agents. I, 22:19362
MEIER, Donald A. Radioisotope renal studies and renal hypertension, 21:22586
MEIER, F. Dielectric behaviour of a dense arrangement of superconducting particles, 25:25064
Digital period meter, 25:477
MEIER, G. Possibilities of a band spectroscopic isotopic analysis of sulphur, 23:17330
MEIER, G. W. Mediating mechanisms of prenatal irradiation effects, 21:24541 (CONF-631008, pp 118-26)
MEIER, H. Existence of unknown natural α activity in 4.3 to 4.6 MeV region, 24:28815
High-voltage electrophoretic separation of inorganic ions with special regard to Pt metals. III, 25:34702
Mass spectrometric determination of the isotopic ratios of Os, 24:20697
Occurrence of promethium in nature, 25:21210
Paper chromatographic separation of Pt metals. I, 24:297
Paper chromatographic separation of Pt metals. II, 24:298
Solvent extraction of Ru. I, 23:49905
Solvent extraction of Ru. II, 23:47616
MEIER, H. A. Electronic structure of liquid transition and rare-earth metals, 24:42110
MEIER, H. K. Design of 200-MeV electron—positron storage ring, 21:13749 (CONF-650923-33)
Design study of 500-MeV FFAG injector, 21:13750 (CONF-650923-34)
Status of MURA 200-MeV electron—positron storage ring, 21:27464 (CONF-660939-11)
Studies of resonant synchrotron oscillation effects using Moser transformations, 21:38061
MEIER, Hans Zonal centrifuge profile analysis of msd mutant mouse brain, 25:57256 (ORO-3195-44)
MEIER, Homer K. Numerical integration methods of Vlasov equation, 25:5097 (COO-2059-6)
Numerical integration methods of Vlasov equation, 25:59040
MEIER, K. Diffusion of xenon in neutron-irradiated Cs halides, 22:16600
Method for determination of microamounts of chloride in fuel solutions of homogeneous solution reactors, 22:33232
Rare-gas diffusion in neutron-irradiated CsCl and CsI, 23:25456
MEIER, Karl Scale model tests of a nuclear rocket exhaust scrubber, 22:35567 (LA-DC-9555)
MEIER, Karl L. Design and fabrication of a thermal scanner, 24:43858 (LA-4453)
MEIER, M. Orientation of copper oxide coating during ion bombardment, 22:41137
MEIER, M. M. DWBA analysis of the cross section and polarization data for the ^{14}N(d,n)^{15}O reaction at 3.5 MeV, 25:12405
j-dependence of polarization in ^{11}B(d,n_0) and ^{11}B(d,n_1) reactions, 25:38916
Polarization of neutrons from ^{14}N(d,n)^{15}O(g.s.) reaction, 22:3611
Polarization of neutrons from reaction ^{15}N(d,n)^{16}O for deuteron energies from 3.1 to 3.8 MeV, 22:44607
MEIER, Michael McDaniel Neutron polarization for (d,n) reactions in the 1p shell, 25:20272
MEIER, P. Analysis irradiated morbidity and mortality of children, 24:23379 (CONF-690501-, pp 651-9)
MEIER, P. F. Temperature dependence of the sound velocity in liquid ^{4}He, 25:56055
MEIER, P. G. Replenishment of electrodes for MHD power generation, 24:35239
MEIER, Paul Morbidity and mortality of children irradiated in fetal life, 21:20360
MEIER, R. Pair-breaking effects in superconducting alloy LaCe, 25:52750
MEIER, R. N. 4.0°K single-engine cycle helium refrigerator, 22:46090
MEIER, R. R. Absorption of the solar Lyman alpha line by geocoronal atomic hydrogen, 25:7298
Balmer alpha and Lyman beta in H geocorona, 23:39386
Conjugate excitation of O I 1304-A airglow, 25:11799
Depressions in the far-ultraviolet airglow over the poles, 25:7240
Geocoronal hydrogen: analysis of Lyman-alpha airglow, 24:42564
High-altitude measurement of the Lyman alpha nightglow at solar minimum, 24:45094
Lyman-α intensity and H concentration beyond 5 R/sub E/, 24:21684
Observation of the O I 1304-A airglow from OGO 4, 25:43259
Ogo-4 observations of Lyman—Birge—Hopfield emission in day airglow, 25:55968
Temporal variations of solar Lyman alpha, 24:6324
MEIER, Robert R. Balmer-alpha distributions over solar cycle, 25:16952
Hydrogen Lyman-alpha airglow, 23:44347
MEIER, Rolf Detecting inhomogeneities in wires caused by radiation, 23:26414
Method of and apparatus for measuring high temperatures, 22:43177
Temperature measurement of irradiation capsules, 24:41715
MEIER, S. Steady-state, two-dimensional temperature distributions in single fuel element pellet and adjacent cladding due to axial varying heat transfer coefficients, 25:18589
MEIER, T. Properties of Nb—Ti—Zr systems, 22:23823
MEIER, V. A. Elemental composition study in x-ray radiometric logging, 22:14587
Multidispersion in x-ray radiometric logging, 22:14586
MEIER, W. C. Review of procedures for safeguarding and accounting for special nuclear materials, 25:48789 (CONF-710617-18)
MEIER, Wendelin P. Forming of containers for molten nickel and beryllium at high temperatures and vacuum, 22:28888 (RFP-882)
MEIEk, Wendell P. Materials for high-temperature metal-melting containers, 22:19610 (RFP-900)
MEIER, Werner Influence of different moments of inertia on the thermal diffusion of H^{35}Cl, D^{35}Cl, H^{37}Cl, and D^{37}Cl, 21:19728
MEIER, Willy Blood flow measurement through single coronary arteries by roentgen densitometry. Part I. A comparison of flow measured by a radiologic technique applicable in the intact organism and by electromagnetic flowmeter, 24:29819
MEIERAN, E. S. Growth-related surface features on BeO crystals revealed by electron microscopy, 21:20589
MEIERAN, H. B. Behavior of intentionally defected fuel rod which ruptured during irradiation, 23:46149 (WAPD-TM-628)
Evaluation of irradiation behavior of Zircaloy-4 clad rod containing low density UO_2 fuel pellets, 22:41133 (WAPD-TM-596)
Irradiation behavior of Zy-clad fuel rods containing dished-end UO_2 pellets, 21:39660 (WAPD-TM-629)
Irradiation performance capabilities of oxide fuel rods, 21:1962 (WAPD-TM-574)
Irradiation performance of Zy-4 clad test rod containing annular UO_2 fuel pellets, 21:11263 (WAPD-TM-595)
Light water reactor fuel element design, 24:31067 (CONF-700502-, pp 534-50)
Performance of fuel rods having 97 percent theoretical density UO_2 pellets sheathed in Zircaloy-4 and irradiated at low thermal ratings, 22:49858 (WAPD-TM-631)
Short-term irradiated of Zy-4 clad fuel rods containing low-density or annular ZrO_2—UO_2 ceramic fuel pellets: X-1-t test, 23:8343 (WAPD-TM-630)
MEIERE, F. F. Rotation invariance and structure of S-wave π π cross section, 24:40363 (COO-1428-174)
MEIERE, F. T. Analytic structure of off-mass-shell S-wave π, 25:9763 (COO-1428-239)
Breakdown of vector dominance relation between rho^0, ω production, and polarized photoproduction, 23:14993
Current-divergence algebra from pion—baryon scattering, 23:21114
delta$^0_0$ phase shift at low $\pi\pi$ masses, 23:44656 (COO-1428-142)
Determination of pion—baryon coupling constants, 23:5622
Determination of S-wave pion—pion scattering lengths, 21:15326
Determination of the KNY coupling constants using modified dispersion relations, 22:20257
Experimental test of Weinberg's off-mass-shell dependence of $\pi\pi$ scattering amplitude, 23:42662
External mass continuation and commutation relations in π—π scattering, 21:37788
Factorization model and π—π phase shifts in the rho^0 region, 24:8639
Low mass $I = 0$ S-wave $\pi\pi$ phase shift, 25:59306
Modifications of vector-meson dominance in photoproduction, 23:42613
Observation of new K/sub N/(1758) resonance and high mass structure in Kπ system, 25:47740 (COO-1428-292)
Off-the-mass-shell correction in pion—pion scattering, 21:15327
Pion—pion interactions from pion production, 23:42656
Reaction $\pi^+p \rightarrow$ rho$^0\Delta^{++}$ at 13.1 GeV/c, 24:40262 (COO-1428-216)
Reaction $\pi^+p \rightarrow$ rho$^0\Delta^{++}$ at 13.1 GeV/c, 24:40401
Renormalization of the strangeness-changing axial-vector coupling constants, 23:7127
Vector dominance of the invariant amplitudes for photoproduction, 23:49078
MEIER-EWERT, K. Disintegration of ^{6}Li, 21:29994
Elastic scattering of ^{6}Li on ^{12}C at 20 MeV, 22:9787
Lithium-6 induced reactions on ^{12}C at E/sub lab/ = 20 MeV, 22:20466
Mechanism of lithium-induced nuclear reactions, 21:33890
Reaction ^{6}Li(^{6}Li, α)2α between 4 MeV and 24 MeV evidence for quasimolecular state ^{6}Li—^{6}Li, 24:22072 (CEA-CONF-1456)
Reaction ^{6}Li(^{6}Li,α)2α, 24:49715
Reactions (^{6}Li + ^{12}C), 23:21271 (ZFK-130, pp 178)
MEIERJOHANN, B. Collision-induced dissociation of H^+_3 ions, 23:34280
MEIEROVICH, B. E. Structure of the transition layer in a high-frequency gas discharge, 25:52822
MEIER-RUGE, W. Behavior of /sup 99m/Tc and ^{131}I in the stomach, 24:39531
Distribution of /sup 99m/Tc and ^{131}I gastric mucosa, 24:19293
MEIGHAN, J. W. Failure to detect ^{131}I positive thyroid metastases with /sup 99m/Tc, 24:23251
MEIJER, A. Energy dependence of the α_1—γ angular correlation in the reaction ^{12}C(α,$\alpha_1\gamma$)^{12}C, 23:5821
MEIJER, A. C. Neutron spectrometer, 25:39741
MEIJER, Albertus Cornelis Neutron spectrometer employing two semiconductor counters in combination with a coincidence circuit for eliminating background, 25:42134
MEIJER, B. J. Decay of ^{189}Os, 22:42054
Decay of ^{57}Ni, 21:33928
Decay of 5.1 min /sup 164m/Tm, 25:46053
Decay of isomers of ^{103}Rh, 25:3671
Decay of some nuclei far from the stability line studied with standard spectroscopic techniques, 25:28322 (CERN-70-30(Vol.2), pp 939-47)
Energy of gamma rays from ^{7}Be, ^{40}K, and ^{113}Sn, and decay of ^{113}Sn, 25:3694
Evidence for dipole—quadrupole—octupole mixing in 902 keV $2^- \rightarrow 2^+$ transition in ^{186}W, 25:53767
New isotopes ^{158}Tm and ^{160}Tm, 24:49795
Radioactive decays of 6.7 min /sup 179m/W and 38 min ^{179}W, 24:6900
MEIJER, C. H. Two-range system for ex-core neutron flux monitoring, 24:40941
MEIJER, Christoffel H. Process radiation monitoring system for large PWR's, 24:46026
Test circuit for reactor safety control system, 23:24053
MEIJER, F. A. Th. Automatic TIG (Ar arc) weld for stainless steel end caps in poison rods, 24:9076
MEIJER, P. H. E. Critical magnetic fields of superconducting SnTe, 23:27580
Ferromagnetic resonance of ^{3}He-irradiated thin metal films, 21:34935 (NRL-6512)
Ferromagnetic resonance of ^{3}He-irradiated thin metal films, 21:44199
MEIJER, Paul H. E. Prog. rpt. on ultrasonic studies in alkali metals, final, 8-1-67, 22:21696 (ORO-2861-5)
Quantum statistical mechanics, 22:15654
MEIJER, R. J. Radioactively-heated thermodynamic engines, 25:29279
MEIJERING, J. L. System gallium—indium—tin, 24:46743
MEIJERS, C. A. M. Measurement of radioactivity in liquid samples, 23:20056
MEIJERS, P. Activation analysis of ancient coins, 24:131
Activation analysis of iron meteorites. I, 23:21675
Average cross sections in charged particle activation analysis, 23:11462
MEIKSON, T. Insulating materials for operating in a thermal neutron flux, 22:776
MEILE, Louis J. Investigation of fluorine interactions with common glovebox construction materials, 25:57619 (RFP-1739)
MEILING, W. Delayed coincidence measurements from ^{183}Ta and ^{183}Re decay, 21:4289
Lifetime measurements in ^{154}Sm decay, 22:50615
Nanosecond isomeric transitions in 89-neutron nucleus ^{153}Gd, 24:3938
Omega-forbidden transition in ^{171}Tm, 22:16027
Ω-forbidden E1 transitions in ^{183}Re, 23:49425
MEILING, Wolfgang Some lifetime measurements in nanosecond region, 21:17355 (ZfK-Pha-20)
MEILLAND, G. Medical interpretation of results obtained with a film badge service, 23:48069
Radiobiological effects, ICRP recommendations and public health, 23:48079
MEIMAN, James R. Deuterium variations in an annual snowpack, 24:44111
MEIMAN, N. N. Atlas of distributions, 24:10692 (ITEF-700)
Method of steepest descents, 22:44952 (ITEF-561)
Methods to calculate phase-space integrals and distributions, 23:30687
MEIN, N. Observations of the ratio H/sub α/N II by an interferometric method, 23:12469
MEIN, P. Propagation of magneto-acoustic waves along the gravitational field in an isothermal atmosphere, 25:27393
MEIN, Pierre Space—time study of solar granulation, 22:29131
MEINADIER, J. P. Language and software system for nuclear experiments, 23:47893
Treatment of information and on-line computers, 23:43644
MEINCKE, P. P. M. Differential resistance of Type-I superconductor, 24:51582
Elastic constants and collective oscillations of vortex lattice in type-II superconductor, 23:27575
Peak effect in a type-I superconductor, 23:36634
Radiation from moving vortices in superconductors, 23:30476
MEINDERS, E. Classification of Tb II-lines, 23:44166
Structure of spectrum of neutral terbium, Tb I. II, 21:14986
Structure of spectrum of neutral terbium, Tb I. IV, 23:16658
Structure of spectrum of Tb I. V, 23:41943

MEINDERSMA, B. Positron—gamma angular correlation measurements on decays of ^{84}Rb, ^{74}As, ^{124}I, and ^{102}Rh, 24:8908
MEINEKE, B. Metabolic behavior of ^{51}Cr label in human after intravenous injection of ^{51}Cr^{+++}, 22:19255
MEINEL, Aden B. Catalog of emission lines in astrophysical objects, 23:46159
MEINEL, H. Investigation of the fine structure of the C_2 high-pressure bands, 22:52528
MEINER, H. Final state interaction spectra of mirror reactions and the $^1S_0$ neutron—neutron scattering parameters, 24:52391
  Improved Lamb-shift source for polarized negative hydrogen ions, 22:29819
  Lamb-shift polarized ion source, 24:13236
  Measurement of the vector analyzing power of the reaction ^{6}Li(d,α)^{4}He for incident polarized deuterons in the energy region between 0.7 and 2.2 MeV, 21:40376
  Observation of the ^{3}He(p,n)3p reaction at 25 MeV, 23:44823
  Operation of polarized-ion source and axial injection system for the Berkeley 88-Inch Cyclotron, 24:18322 (UCRL-18934)
  Polarized ion source for Berkeley 88-inch cyclotron, 23:37044 (UCRL-18607)
  Reaction ^{3}He Vector(d,p)^{4}He below 2.5 MeV, 25:53571
  Reaction ^{3}He Vector(d,p)^{4}He between 2.8 and 10 MeV, 25:53572
  Simultaneous determination of two parameters in the $^1S_0$ wave neutron—neutron, 24:42913
  Tensor polarization of ^{4}He(d,d)^{4}He deuterons in the region of the 1.07-MeV resonance, 21:40367
MEINERS, D. Investigations of dense plasmas, 21:7209 (BMwF-FBK-66-27)
  Investigations of exploding wire phenomena, shock waves, and pinch discharges, 21:35152 (BMwF-FBK-67-49)
  Optical thickness of nonstationary plasma columns, 23:44402
  Radial temperature distribution in plasma columns, 24:28299
MEINERS, H. Calculation of absolute transition probabilities in the spectra of the heavy rare gases, 24:37576 (BMBW-FBK-70-7)
  Calculation of transition probabilities in argon, 23:3243 (BMwF-FBK-68-34)
MEINERS, K. E. Chemical vapor deposition of Ch on ThO$_2$, 23:20468 (N-68-34022)
MEINHARDT, D. Pressure differentials within compartmented containment, following primary system rupture, 23:4289
MEINHARDT, G. Pressure-vessel for the nuclear research ship "Otto Hahn", 21:12172
MEINHARDT, H. Beta-gamma and beta-alpha angular correlations in the decay of ^{8}Li and ^{8}B, 21:1037
MEINHARDT, O. Radiation damage of bipolar transistors by protons and electrons, 21:45489 (HMI-B-61)
MEINHARDT, W. G. Analysis of fast reactor transient response and safety in selected accidents, 21:12139 (GEAP-4787)
  Calculating vapor growth in a superheated liquid metal within a heated channel, 21:6137
  Design parameters of a mixed-oxide bare-pin subassembly for testing in EBR-II, 21:7979
  Effects of reactor system design on sodium voiding accidents, 24:7108
  The FREADM-1 code: a fast reactor excursion and accident dynamics model, 25:10241 (GEAP-13608)
MEINHOF, W. Effect of beta rays on dermatophytes, 21:14774
  Effect of beta rays on dermatophytes, 21:20448
MEINHOLD, Charles B. Sources of exposure to the public, 25:4518
MEINHOLD, G. Matching transitions between waveguides and Lecher wires in 3cm region, 21:35147 (IPP-3/53)
MEINHOLD, H. Interactions of fission product atoms with metal acetylacetonates, 23:286
  Perfusion lung scintigraphy in primary vascular pulmonary hypertension, 25:55284
  Reactions between fission product atoms and metal acetylacetonates in solid state. I, 23:38005
  Reactions between fission product atoms and metal acetylacetonates in solid state. II, 25:32016
MEINHOLD-HEERLEIN, L. Propagation of sound in narrow channels filled with helium II. I, 25:38290
  Wave modes in liquid helium capillaries, 22:26344
  Wave modes in liquid helium capillaries, 22:46049
MEINIG, I. Karl-Heinz Sample handling and radiation detecting device, 22:49064
MEINIG, Karl-Heinz Radiation detecting device, 23:16093
MEININGHAUS, H.-R. Behavior of solid fission products in pyrolytic carbon and graphite, 25:2797
MEINKE, W. W. Activation analysis: a bibliography, 23:9298 (NBS-TN-467(Pt.1 and 2))
  Bibliography on activation analysis, 24:29226 (NP-18222)
  Conference on nuclear standards for chemistry and technology, Atlantic City, N. J., 9/68, 24:22574 (NBS-SPEC. PUBL-310)
  Facilities and experimental techniques, 22:12123
  NBS automated activation analysis information retrieval system, 24:80
MEINKE, W. Wayne Activation analysis, 24:31281
  Availability of standards for activation analysis, 24:5634
  Conference on trace characterization: chemical and physical, Gaithersburg, Md., 10/66, 22:30490
  NBS standard reference materials for activation analysis, 24:97
  Simple and rapid magnesium determination in biological samples by neutron activation analysis, 21:12323
MEINRENKEN, J. Continuous circulation of light auxiliary gases in thermal diffusion plants, 24:5810
  Enrichment of bromine isotopes, 24:25226
  Enrichment of Kr isotopes in a separation tube, 21:43199
  Enrichment of natural and radioactive krypton isotopes in a thermal diffusion column, 23:21894 (ORNL-tr-1870)
  Enrichment of natural silicon isotopes with a separation tube, 23:19853
  Paradox of temperature effects in separation tubes, 21:43200
  Stationary and nonstationary concentration distributions of isotopes in separation columns, 22:45253
MEINRENKEN, Juergen New type of Clusius—Dickels separation tube, 22:16783
MEINSCHEIN, W. G. Chemistry of positive ions. VI, 21:3111
MEINZEL, E. Behavior of ^{51}Cr-labeled lymphocytes, 25:6741
MEIRA, Luiz Gylvan Jr. Measurements of upper atmospheric NO, 25:11795
  Upper atmospheric nitric oxide and consequences to lower ionosphere, 25:16962
MEIRSSCHAUT, Simon Application of integrated circuits in nuclear instrumentation, 24:10887
MEIS, Th. Tests on helically wound heat exchanger for steam generator of THTR, final report, 24:36455 (JUL-649-RB)
MEISAMI, E. Interrelation between x radiation and diphenylhydantoin in developing rats, 25:46892
MEISBERGER, Leo L. Effective attenuation in water of gamma rays of ^{198}Au, ^{192}Ir, ^{137}Cs, ^{226}Ra, and ^{60}Co, 22:33827
MEISEL, A. Determination of effective atomic charges from the chemical shifts of x-ray emission lines, 24:37198
  System V_2O_5—K_2SO_4, 25:11527
MEISEL, D. Role of reaction of e/sub aq/$^-$ with Fe/sup III/ in radiation chemistry of acid aqueous solutions, 25:51523
MEISEL, D. D. Frequency dependence of polarization of pulsar CP 0328, 23:16590
  Observations of Crab pulsar during an occultation by solar corona, 24:3083
MEISEL, David D. Identification of a solar x-ray source, 23:10402
  Investigations of solar x-ray sources, 23:46193
  Studies of visual double stars. I, 22:52423
  X-ray sources at Sept. 22, 1968 total eclipse, 24:3117
MEISEL, David Dering Multiple star systems involving components of special astrophysical interest, 22:34206
MEISEL, Dieter Plasma confinement in a toroidal theta pinch with superposed hexapole field, 24:40037
MEISEL, G. Hyperfine structure measurements in ground states of ^{181}Ta, 25:43121
  Production of atomic beams of highly refractory elements, 24:19718
MEISEL, L. V. Point-defect pinning of dislocations during continuous low-level gamma irradiation, 22:37034
MEISEL, M. N. Cytochemical detection of DNA injury in irradiated lymphocytes, 24:34079
  Early structural distrubances of nucleoproteins in radiosensitive and radioresistant cells exposed to ionizing radiation, 25:35206
  Early structural, ultrastructural, and functional disturbances in radiosensitive and radioresistant yeast cells under influence of ionizing radiation, 25:35247
  Effect of deficiency of vitamins of B group on radiation sensitivity and recovery of irradiated yeast cells, 22:10815
  Fluorescence of lymphocytes following x-ray irradiation of rats, 24:32158
  Investigations of yeast-like micoorganisms during recovery after radiation injury, 22:31290
  Study of radiation damages in lymphocyte nuclei, 23:6392
  Thermogenesis of irradiated yeast cells in the process of recovering their reproductive capacity, 25:11324
MEISEL, R. L. High temperature x-ray investigation of plutonium oxidation, 23:22479
MEISEL, Werner Instrument representing Moessbauer spectra, 25:18743
  Moessbauer-spectrometer MS 10, 21:34490
MEISELS, G. G. Dipole effects on hydrogen atom transfer in ion-molecule reactions, 23:47557
  Higher order ion—molecule reactions. I, 23:47483
  Ion-polar-molecule reactions: energy dependency of hydrogen atom and ion transfer in the methanol—acetaldehyde system, 24:36221
  Manifestation of autoionizing states in the ionization of krypton by electron impact, 25:43154
  Organic gases, 23:13758
  Precise measurements of W, the mean energy required for ion-pair formation in gases. I. Alkanes, 25:30636
  Simple mass spectrum linearizer, 23:41168
MEISHTAS, E. A. Quantitative spectral analysis of microelements in marine sediments, 24:43952
MEISNER, Donald Effects of D_2O on mechanism of pigment dispersal in melanocytes of Fundulus heteroclitus: pressure-temperature analysis, 22:19273
MEISNER, G. Decay parameters (Σ^-), 21:46474
  Search for decay K/sub S/° $\rightarrow$ π, 23:16926 (BNL-13279)
MEISNER, G. W. K$^-$p amplitudes near the Λ(1520), 24:37658
  Study of $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^0 + n$ reactions using polarized Σ^- with momentum from 0 to 650 MeV/c, 24:49314 (NYO-3651-14)
MEISNER, Gerald W. CP violation in K(neutral) $\rightarrow$ $\pi^+\pi^-\pi^0$, 25:14762
  Interactions of neutral K mesons in hydrogen, 25:38666
  Reactions $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^- + p \rightarrow \Sigma^0 + n$ at P/sub Σ^-/ between 0 and 600 MeV/c, 23:49043 (NYO-3651-11)
  Reactions $\Sigma^- + p \rightarrow \Lambda + n$ and $\Sigma^- + p \rightarrow \Sigma^0 + n$ at P/sub Σ^-/ between 0 and 600 MeV/c, 24:47385 (CONF-690557-(Vol.2), pp 939-50)
MEISNER, Gerald Warren Sign of K_1^0—K_2^0 mass difference, 21:42252
MEISSEL, M. N. Postirradiation recovery of yeast, 22:26005
MEISSEN, H. Radiation sensitivity of detergent lamella, 21:38990
MEISSNER, D. Damage production in platinum electron-irradiated at 90°K, 22:31933 (BNL-50083, pp 348-58)
  Damage production in Pt electron-irradiated at 90°K, 22:3195
  Electron irradiation experiments on Ta, 25:36273
MEISSNER, Dieter Defect production and recovery in low-temperature electron irradiation of tantalum, 24:32469 (JUL-642-FN)
MEISSNER, G. Ionic reactions in γ radiolysis of ether solutions of D_2S, 22:27811
  Pionic and leptonic decay asymmetries of polarized Σ^-, 24:40243
  Pulse radiolysis of hydrogen sulfide in aqueous solutions, 21:19664
  Pulse radiolysis of simple mercaptans in air-free aqueous solution, 23:35211
MEISSNER, Guenther Dispersive anharmonic effects in the lattice dynamics of quantum crystals with hard-core potentials, 22:44236
  Green's function approach to the quantum many-body theory of the solid state, 21:42231
MEISSNER, H. Magnetic properties of rare earth hydroxides, 22:15582
  Pulsed critical currents in superconducting films, 21:2170
MEISSNER, H. E. Magnetic properties of the rare earth hydroxides, 25:5202
MEISSNER, Hans Cylindrically symmetric solutions of the Ginzburg—Landau equations, 22:29390
  Flux flow in thin type-I superconducting films, 24:3283
  Flux flow velocity in superconducting films by measurement of passage time, 24:35363
  Search for surface superconductivity induced by an electric field, 21:15073
  Stability of supercurrents in cylindrical films of tin, 25:17098
  Stability of supercurrents in flat films of tin, 25:30437
MEISSNER, J. Carbon-14 and tritium determination by liquid-scintillation-counting technique. I, 22:43038
  Carbon-14 and tritium determination by liquid-scintillation-counting technique. II, 22:43037
  Chemical dosimetry of soft x-radiation with ferrous—ferric systems, 24:36628
  Conference on use of radioactive isotopes in tuberculosis research, Borstel, Ger., 10/65, 21:30793
  Design and capacity of a combustion plant for radioactive wastes from animal experiments, 21:258
  Phantom dosimetry comparing different sources of ionizing radiation, 22:51597
MEISSNER, J. A. Delayed γ rays from thermal-neutron fission of ^{235}U and ^{239}Pu, 24:15917
MEISSNER, Johannes Effects of ionizing radiation on pyrophosphate uptake and pyrophosphatase activity in mycobacteria, 22:40524
  Influence of whole-body x irradiation on $^{14}CO_2$ exhalation, 23:29809
MEISSNER, L. P. Computer-based system for nuclear data compilation "Table of Isotopes", 23:7892 (UCRL-18530)
MEISSNER, Loren P. Low-cost source data terminal for technical text, 24:48022 (UCRL-19390)
MEISTER, G. Results of start up experiments of reactor FRJ-1 after remodeling, 23:11286 (JUL-546-RE)
  Rigorous solution of energy-independent neutron transport equation, 22:3589 (JUL-484-RE)
  Spectrum of discrete eigenvalues and eigenfunctions of the stationary and time-dependent neutron transport equation, 24:33085
MEISTER, H. Activation of foils in a thermal neutron field, 23:33389 (WAPD-Trans-117)
  Defocusing spectrometer, an instrument of high resolution for neutron spectroscopy in MeV region, 22:348
  Doppler effect in neutron reflection by rotating crystals, 22:347
  Fast nuclear reactor as a pulsed neutron source, 22:22852
  Fast reactor lattice experiment for investigation of k infinity and reaction rate ratios in SNEAK, assembly 5, 25:18173 (EURFNR-861)
  Investigation on charge 2 of fast thermal Argonaut reactor STARK, 22:1859 (KFK-592)
  Investigations on loads 3 and 4 of STARK, the fast thermal argonaut reactor, 22:22829 (EURFNR-424)
  Loadings (3 and 4) of the fast-thermal Argonaut reactor STARK, 22:16287 (KFK-668)
  Proposal of a new cold neutron facility, 21:1567 (EUR-2964.e)
  Pseudo-sample method for sample-holder corrections in neutron scattering, 24:40520
  Reactor dynamics topics recently investigated at Karlsruhe, 23:13573 (KFK-786)
  Rotating crystal spectrometer at Ispra, 22:28162
  Studies at charge 2 of the fast thermal Argonaut reactor STARK, 22:16296 (EURFNR-352)
MEISTER, H. J. Numerical comparison between relativistic and nonrelativistic theory for scattering of slow electrons from atoms, 22:52535
  Scattering of spin one-half particles from one-dimensional electrostatic potentials, 24:6702
MEISTER, Herbert Improvements relating to pulsed nuclear reactors, 21:30217
MEISTER, J. Apollo 11 and 12 solar wind composition experiments, 25:7044
  Apollo 11 solar wind composition experiment, 24:8286
  Apollo 11 solar wind composition experiment, 24:23663 (NP-18099)
  Solar-wind composition experiment, 25:885 (N-70-35279)
MEISTER, R. Interconnected grid system in the seventies. Nuclear power stations make trouble, 25:20691
MEISTER, Robert Prog. rpt. on ultrasonic studies in alkali metals, final, 8-1-67, 22:21696 (ORO-2861-5)
MEISTER, W. Some problems with evaporation in the UHV, 25:8462

MEISTER, Willi Asymmetric induction in a transamination reaction, 21:42922
MEISTERL, J. Behavior of neutron temperature during power pulse of TRIGA Mark II reactor, 23:4380
MEISTERS, Marts Studies in the tetraarylborates. IV, 23:17335
MEISTRICH, M. L. Mutagenic effect of sensitized irradiation of bacteriophage T4, 24:12051
  Sensitized photoinactivation of bacteriophage t4, 25:16388
MEISTRICH, Marvin L. Optical and electron spin resonance studies of ICl(-)V-K center in KCl:I, 22:36964 (AD-665980)
  Studies of the ICl^- V/sub K/ center in KCl:I, 22:44230
MEISTRICH, Marvin Lawrence ESR and optical studies of hydroxide-doped NaF, 22:39190
MEISTROFF, C. L. Stop stray radiation, 23:45766
MEITERT, S. Upper limit of the electric dipole moment of the neutron, 24:12920 (IFA-NR-30)
  Upper limit of the electric dipole moment of the neutron, 24:45414
MEITES, J. Effects of estrogen and progesterone on serum and pituitary prolactin levels in ovariectomized rats, 24:23064
  Radioimmunoassay for rat prolactin, 23:50253
  Serum prolactin levels in rats during different reproductive states, 24:23063
MEITES, Jean-Daniel Formation and linear amplification of signals in nuclear spectroscopy, 22:2390 (CEA-R-3252)
MEITES, Louis Automatic and coulometric titrations in studies of chemical kinetics. III, 21:8264
MEIXNER, C. Calculation program for photopeak analysis, 24:5917 (JUL-572-RX)
  Neutrons from (α,n) sources, 21:4184
MEIXNER, Christoph Fast neutron spectroscopy by indirect method, 25:46629 (JUL-726-RX)
  Tables of gamma ray energies for activation analysis, 25:37330
MEIXNER, J. Thermodynamics of the electromagnetic field in continuous matter, 24:6670
MEIZEROV, E. S. Combined action of acceleration and ionizing radiation on the higher nervous activity and functional state of the vestibular analyzer, 23:24729
  Combined effect of acceleration and ionizing radiation on conditioned reflexes in rats, 23:16402
  Effects of space flight on the central nervous system, 25:11298
MEJAN, Maurice An arrangement for connecting ducts, 23:2468
MEJDAHE, V. Measurement of environmental radiation intensity with thermoluminescent $CaSO_4$:Dy, 24:14329
  Thermoluminescence dating of ancient Danish ceramics, 24:29387
MEJDAHL Thermoluminescence-theory and applications, 22:16919
MEJDAHL, V. Measurement of environmental radiation at archaeological excavation sites, 25:2352
  Radiation protection dosimetry, 25:24164
MEJDAHL, Vagn Dosimetry problems related to the thermoluminescence dating of ancient ceramics, 23:7860 (CONF-680920-, pp 868-82)
  Gamma-ray logging by means of thermoluminescence dosimeters, 25:6435 (RISO-219)
  Thermoluminescence dosimetry in fast-neutron personnel monitoring, 21:4809
MEJIA, G. R. Cosmic ray NM-64 neutron monitor data, 23:8482 (AECL-3162)
  Cosmic ray NM-64 neutron monitor data, Chacaltaya, Bolivia. II, 23:48756 (AECL-3385)
  Cosmic ray NM-64 neutron monitor data. III, 24:42539 (AECL-3657)
MEJIA, Gaston R. Study of cosmic rays at Chacaltaya, 1968—1970, 25:49764 (AD-720896)
MEJIA, M. J. Diffusion bonded Ti honeycomb sandwich, 24:14677
MEJLBO, L. Linear transformations of field operators, 21:11805 (NP-16460)
MEJSTRIK, V. Uptake of ^{32}P by different kinds of ectotrophic mycorrhiza of Pinus, 25:8603
MEKHANDZHIEV, Amanas Combined action of gamma rays and diethylsulphate on garden peas, 24:34291
MEKHANDZHIEV, At. Radiosensitivity and mutability of forage pea. I, 25:21670
MEKHEDOV, B. N. Apparatus for the determination of small concentrations of tritium, 23:16100
  Production of tritium in Al, Sn, Pb, and Bi by high energy protons, 24:30843
MEKHEDOV, V. N. Apparatus for the determination of small concentrations of tritium, 23:16100
  Production of tritium in Al, Sn, Pb, and Bi by high energy protons, 24:30843
  Production of tritium on C, Al, and Fe by 130 to 660 MeV protons, 21:17335
  Relative yields of secondary [(p,xn)α] reactions on Bi in range E/sub p/ = 120-660 MeV, 25:36723 (JINR-P1-5530)
MEKHRYUSHEV, Yu. Ya. Kinetics of the radiation—chemical oxidation of trichloroethylene, 24:20829
MEKHRYUSHEVA, L. I. Neutronic activation method for determining cobalt in magnetic ceramic materials, 25:37322
MEKHTIEV, G. F. Effect of cross relaxations on nucleus polarization, 21:12097
MEKHTIEV, M. M. Volumetric determination of Tl, In, and Yb, 25:31797
MEKHTIEVA, S. Native radiomimetic and primary radicals generated in irradiated lipids, 22:28303
MEKHTIEVA, S. M. Comparative evaluation of the protective activity of potential radioprotective agents (Bunte salts) on various biological models, 21:6552
  Measuring redox potential in animal tissues when selecting effective radioprotectors, 22:25867
  Use of models for evaluation of radioprotective effect of aminothiols, 22:25900
MEKHTIEVA, V. L. Isotopic composition of different forms of S in H_2O, 24:27206
MEKJIAN, A. Analog state resonances, 23:5970
  Application of K-matrix theory of nuclear reactions to soluble model, 23:13337
  Fine structure in nuclear resonances, 21:40510
  Fine structure in nuclear resonances, 22:3757 (TID-24143)
  Fine-structure analysis of analog resonances in ^{41}K, 21:21491
MEKJIAN, A. Z. Charge-dependent nuclear forces and damping of analog states, 24:1911
  Coulomb mixing of isospin states, 25:15149
  Elastic and inelastic channel contributions to external mixing, 23:44987
  Isobaric analog resonance widths and distribution of Coulomb mixing strength in nuclei, 25:5644
  Isospin impurity in bound states, 25:28476
  The effect of direct reactions on the compound nuclear-reaction amplitude in a soluble model, 23:49459
MEKJIAN, Aram Intermediate structure, fine structure, and isobaric analog resonances, 24:15952
MEKJIAN, Z. Coulomb mixing of isospin states. II, 25:5877
MEKLER, Anna Deflecting magnet for energy analysis of the 9.6 MeV proton linear accelerator beam, 24:20265 (INR-1133)
MEKLER, K. I. Isomagnetic jump in front of a strong collision-free shock wave, 22:24292
  Shock waves propagating along a magnetic field in a collisionless plasma, 25:30620
MEKORI, T. Antibody production by cloned cell populations, 21:32772
MEKSHES, M. W. Moessbauer effect in tungsten following Coulomb excitation, 25:15020
MELA, Vittorio Medical therapy and surgical therapy of radiodermatitis, 21:24518
MELADZE, O. B. Program for processing penetrating showers on the BESM-2 universal computer, 21:46458
MELAMED, Jeanne Existence of substoichiometric rare earth nitrides, 25:32829
MELAMED, Sh. G. Chemical-spectral and chemical-luminescence determination of microquantities of rare earth elements using extraction chromatography, 23:49708
  Emission-spectral and radioactivation analysis of yttrium oxide with preliminary concentration of rare earth impurities by extraction chromatography, 25:57372
  Use of extraction chromatography for improving yttrium analysis sensitivity to rare earth impurities, 21:38879
MELAMID, A. E. Concerning the amplitude resolution of photomultipliers, 23:31529
  Noise in photomultipliers, 21:6347
  Photomultipliers with low noise level, 23:33560
MELAN, F. Immunity of Ehrlich's ascites cells obtained by cell radiation, 24:25407
  Influence of immunological factors on antitumor action of 4-diphenylylglioxal in Ehrlich ascites cancer, 25:24064
MELANCON, Mark J. Jr. Interaction of vitamin D parathyroid hormone and thyrocalcitonin, 22:7939 (COO-1668-4)
MELANDER, O. Strontium-90-applicator for interstitial irradiation of hypophysic, 21:26489
MELANDER, Olle Clinical results after interstitial irradiation of pituitary gland with ^{90}Sr, 23:31868
MELANDER, Olof Thermoluminescent dosimetry of ^{90}Sr-applicators, 23:20230
MELANDRI, A. Analysis of results of stationary multigroup diffusion codes, 24:41062 (RT/FIMA-(69)3)
MELANDRI, Anna Maria Considerations on fast-thermal reactor RB-3 at zero power, 22:50871
  Multigroup calculation of reactor ROSPO 11/5, 22:50826
MELANDRI, C. Control of contaminated air in a reactor fuel element fabrication plant, 25:8695
  Potassium-40 and ^{137}Cs measurements with the whole-body counter of Bologna, 21:26448
  Sampling methods for aerosol particles, 25:29263
  Submicron particle precipitator, 23:29066
MELANDRONE, G. Electronic instruments for radiation detectors and control systems, 21:1671 (EUR-3063.e)
MELANOTTE, P. L. Strontium-87m in scintiphotographic and scintigraphic detection of bone lesions, 24:23264
MELARD, L. Chopping of a fast particle beam, 24:13259
MELASHVILI, T. N. Ion source for measurement of isotopic composition of solid-state samples, 23:6074
MELBIN, Julius Computation and interpretation of dilution curves, 22:25756
MEL'CHAKOVA, N. V. Extractive photometric determination of niobium, 22:45015
  Kinetics of zirconium extraction by β-diketones, 23:6213
MEL'CHENKO, V. S. Investigation of the electron densities in disintegrating plasma of a pulse discharge, 22:41568
  Negative absorption in the bands of the molecular ion of nitrogen in a glow discharge, 21:42043
MELCHER, H. Transmission and absorption, 25:6705
MELCHER, J. R. Electroconvective instability in a fluid layer, 24:12680
  Electrohydrodynamics, 24:10412
  Feedback stabilization of hydromagnetic continua: review and prospects, 25:27759
  Review of symposium on electrohydrodynamics, 24:26046
  Traveling wave bulk electroconvection induced across temperature gradient, 21:18498 (N-67-12924)
MELCHER, James R. Continuum feedback control of a Rayleigh—Taylor type instability, 21:7066
  Continuum feedback control of instabilities on an infinite fluid interface, 21:667
  Electrohydrodynamic charge relaxation and interfacial perpendicular-field instability, 23:22975
  Electrohydrodynamic charge relaxation and interfacial perpendicular field instability, 23:27417 (N-69-11839)
  Electrohydrodynamic Rayleigh—Taylor bulk instability, 23:32228
  Electrohydrodynamic Rayleigh—Taylor bulk instability, 24:8375 (N-69-11471)
  Electromechanical costreaming and counterstreaming instabilities, 22:52585
  Interfacial relaxation overstability in a tangential electric field, 23:12616
  Prog. rpt. on electrohydrodynamics and traveling-wave electromechanical energy conversion, semiannual, 8/66—1/67, 21:43848 (N-67-21161)
MELCHER, Joseph C. Thermoelectric generator, 22:38847
MELCHER, R. L. Direct detection of ^{19}F nuclear acoustic resonance in antiferromagnetic $RbMnF_3$, 22:17749
MELCHERT, F. Determination of e/h with the help of Josephson effect, 25:33829
MELCHING, H. J. Modification of the radiation sensitivity of mammals by chemical substances, 21:30842
MELCHING, H.-J. Biological actions of x rays, 22:19383
MELCHING, Hans-Joachim Excretion of taurine and beta-aminoisobutyric acid in urine following irradiation, 22:45689
  Significance of time between whole-body irradiation and skin lesions for survival rate of mice, 23:41433 (ANL-Trans-764)
MELCHIOR, G. Analysis and optimization of decarbonizing process during production of very pure metals, 24:17242
MELCHIOR, Henning Effect of finite ion Larmor radius on Kelvin—Helmholtz instability, 22:17709
  Effect of the finite ion Larmor radius on the Kelvin—Helmholtz instability, 22:1271 (RISO-158)
  Low-frequency oscillations in a plasma with negative ions, 21:33401 (CONF-670104-Pt.1, pp 119-28)
MELCHIOR, K. Isobaric analogue resonances observed in the inelastic scattering of protons from ^{138}Ba, ^{140}Ce, ^{142}Nd, and ^{144}Nd, 21:25529
  Isobaric analogue states in ^{143}Pm, 24:26654
MELDE, D. Neutron dosimetry with radiation elements, 25:57776
  Radiation elements for dosimetry of neutrons and mixed radiation, 21:335
MELDE, G. F. Fuel-clad reactions observed in stainless-steel-clad mixed-oxide fuel pin irradiation, 25:32800
  Microstructure of mixed-oxide fuel irradiated in a thermal-neutron flux, 25:5993
  Reaction of sodium with mixed-oxide fuels, 25:32802
MELDNER, H. Infinitely rising Regge trajectories, 21:46600
  Nuclear orbital-rearrangement energy, 22:16067
  Rearrangement effects and the parametrization of the effective field in nuclei, 24:8956
  Rearrangement effects and the parametrization of the effective field in nuclei, 24:24611 (UCSD-10-P-11-99)
  Superheavy elements in nature, 24:5447
MELDNER, H. W. Mass formula consistent with nuclear-matter calculations vs conventional mass-law extrapolations, 25:56853
  Observability of rearrangement energies and relaxation times, 25:52698
MELDNER, Heiner New magic regions and masses for super heavy nuclei, 21:1126 (UCRL-16843)
  Predictions of new magic regions and masses for super-heavy nuclei from calculations with realistic shell model single particle Hamiltonians, 22:32701
  Realistic nuclear single-particle Hamiltonians and proton shell 114, 23:31073
MELDOLESI, U. Anoxia induced by respiration of lean mixtures on guinea pigs subjected to hemilethal doses of x radiation. II, 21:13032
  First attempts of clinical application of a method for the quantitative interpretation of renogram with radiohippuran, 25:11208
  Influence of anoxia on the guinea pig subjected to hemilethal doses of roentgen rays. I, 21:18087
  New double-tracer technique in the diagnosis of liver neoplasia, 25:42580
  Pulmonary regional blood-flow as evaluated by means of ^{131}I tagged macroaggregated albumin (MAA-^{131}I), 22:25953
  Relationship between signal and body background in external measurement of radioactivity, 25:42423
  Scintigraphy with radioactive mercury in the morphological and functional study of the kidney, 22:38403
MELE, A. Cationic polymerizations induced by radiations, 21:40894
  Radiation induced polymerization of aliphatic and alicyclic oxides, 21:24031
  Thermoluminescence and phase transitions of irradiated fluorinated polymers, 23:260
  Use of radiations in polymerization process, 23:45324
MELE, Aldo Radiation-induced ionic polymerization of 1,2 cyclohexene oxide, 23:7563
MELEDIN, G. V. Formation of positronium upon collision of fast particles and its decay, 25:40922
  Production of muon pairs in interactions of hadrons of high energy, 25:12229
MELEHAN, J. B. Physical metallurgy of beryllium, 25:648 (AD-487626)
  Yankee Core Evaluation Program. Quarterly progress report for the period ending March 31, 1970, 24:33176 (WCAP-3017-6093)
  Yankee Core Evaluation Program. Quarterly progress report for the period ending December 31, 1969, 24:33175 (WCAP-3017-6092)
  Yankee Core Evaluation Program, final report, 25:39166 (WCAP-3017-6094)
MELEKA, A. H. Electron beam welding. principles and practice, 25:27197
MELEKHIN, V. F. Interaction of zirconium dioxide with carbon, 25:6901
  Kinetics of the interaction of zirconium dioxide with carbon at high temperatures, 23:51130
MELEKHIN, V. N. Acceleration of electrons in a microtron with an inhomogeneous magnetic field, 24:49667

Design and operating characteristics of a microtron, 23:32878
High-current microtron (30 MeV), 21:29800
Microtron, 23:30874
Use of magnets with vertical symmetry planes in ring accelerators, 23:37059
MELEKHINA, A. A. Variability of black currant under the influence of ionizing irradiation, 21:26669
MELENDEZ, K. J. Numerical investigation of two-stream instability via Hamilton's principle, 23:1492 (LA-3990, pp B1.1-4)
MELENDRES, C. A. Molecular-beam electric resonance spectra of NaCl and NaBr, 22:14485 (UCRL-17916)
MELENEVSKII, A. E. Elastic scattering of 2.4-4.0-MeV deuterons on ^{19}F, ^{23}Na, and Cl, 24:1761
Reactions ^{62}Ni(d,p)^{63}Ni and ^{64}Zn(d,p)^{65}Zn in the energy region 2.4 to 4.0 MeV, 24:22131
Study of reactions ^{19}F(d,p)^{20}F and ^{23}Na(d,p)^{24}Na in energy range 2.5 to 4.0 MeV, 24:33120
MELENEVSKII, A. Z. Investigation of (d,α) reactions on ^{19}F in deuteron energy region 2.4 to 3.95 MeV, 23:8938
MELENEVSKII, V. N. Isotopic separation of nitrogen during nitric oxide synthesis in high-frequency electrode-free discharge, 22:16657
MELENT'EV, V. I. Compton semiconductor gamma spectrometer with improved sensitivity, 21:22144
MELENT'EVA, E. V. Analytical use of the fluorescence of four-ligand β-diketone complexes of Eu and Sm with organic bases, 21:15841
Fluorometric determination of Sm and Eu in aqueous acetone solutions by complexing with β-diketones and organic bases, 23:13639
Increasing the sensitivity of the determination of europium and samarium admixtures in preparations of rare earth elements, 23:7461
Luminescent determination of europium and terbium by means of a filter fluorometer, 23:7448
MELESE, G. Gas-cooled reactor experimental excursion test, 21:5685 (GA-6178)
MELESE, G. B. Gas-cooled reactor technology, 22:20850
MELESE-D'HOSPITAL, G. A developmental gas-cooled fast breeder reactor plant, 24:24796
Coolant flow and outlet temperature in GCR cores, 23:15634
Design studies for 1000 MWe gas-cooled fast breeder reactors, 23:28432
Direct helium-cooling cycle for a fusion reactor, 25:25171
Factors affecting the design of gas-cooled fast breeder reactors, 23:11157 (CONF-680419-, pp 63-88)
Gas-cooled fast-reactor performance with various degrees of surface roughening, 22:5939
Geometry for efficient external and internal cooling of cylindrical heat sources, 24:50514
Optimum configuration of an annular nuclear fuel element, 24:36959
Status of the technology of gas cooling for fast reactors, 22:16198
Thermal performance of ceramic-clad gas-cooled reactor cores, 22:32807
Thermodynamic comparison of gas coolants for nuclear reactors, 22:7835
MELESE-D'HOSPITAL, G. B. Gas-Cooled Fast Breeder Reactor designs, 25:41367 (CONF-710315-15)
MELESE-D'HOSPITAL, Gilbert Gas cooled fast breeder reactors, 24:16141
Performance of gas-cooled fast reactors with artifically roughened fuel elements, 22:44863
Prediction of radial flow and temperature distribution in gas-cooled reactor cores, 22:32874
Status report on fast breeder reactors, 25:3891 (ORO-1171-1, pp 206-55)
MELESE-D'HOSPITAL, Gilbert B. Gas-cooled fast reactor performance with various degrees of surface roughening, 22:50728 (GA-8268)
MELESHEVICH, A. P. Radiation modification of polymers, 23:43371
Reclaiming diaphragm rubbers by ionizing radiations, 24:9377
MELESHKO, E. A. Relaxation of μ^+—meson spin in condensed media, 22:22295
Time analyzer for $\mu \to e$ decay studies, 21:45463
Time-to-amplitude converter in microsecond range for investigation of asymmetry of μ—e decay, 23:11904
Two-frequency precession of muonium in magnetic field, 25:27446
MELETTI, P. Chromosome breaking effect of irradiated endosperm of durum wheat, 22:14983
Embryo—endosperm relations in irradiated water soaked seeds of durum wheat, 25:8655
Mutagenic effect of the irradiated endosperm in water-soaked seeds of durum wheat, 22:51540
MELETTI, Paolo Effect of x-rays on embryo of Triticum durum, 23:10112
MELFI, F. Radioisotopes for internal application in diagnostics and therapy, 22:28620
Studies in scintigraphy of the pancreas, 21:14675 (NP-tr-1495)
MELFI, Leonard T. Jr. Buried collector gauge for measurements in 10^{-11} torr pressure range, 23:29259
MELGAARD, K. Instrument for determining chemical composition of primary cosmic radiation, 24:29524
MELGARD, R. Laboratory blank experience in long-lived fission products, 22:37653 (UCRL-18140, pp 13-36)
Prevention of alpha counter contamination by electrodeless discharge deposition of Si_3N_4, 25:2478
MELHUISH, K. R. Measurement of burn-up of nuclear fuels and neutron dose, 21:40578 (TRG-Report-1494)
MELI, J. Ionization phenomena in high-energy atomic collisions, 24:25995
MELIA, Joaquin Production of light fast fragments in (p—nucleus) interactions at 20 GeV, 24:3513
MELIA, T. P. Effect of ionizing radiation on the thermal properties of linear high polymers. II, 24:25813
Effect of ionizing radiation on the thermal properties of linear high polymers. I, 24:25812
MELICE, M. In-core fuel management in PWR plants, 25:53892 (A/CONF.49/P-278)
MELICE, Michel Pressurized water reactor optimal core management, 23:45084
MELICH, Michael Edward Flux spot interactions in solid cylinders of type-I superconductors, 22:11393
MELICHAR, Z. Burst cartridge detection, 23:40294
Checking the leak tightness of fuel-element cans in gas-cooled reactors, 25:48238
MELICHAR, Zdenek Burst cartridge detection in power plant A 1, 24:45990
Study of the burst slug detection methods, 24:47866 (CEA-N-1356)
MELICK, R. Radio-iodine fallout in Australian sheep, 21:39429
Radioiodine fallout in Australian sheep, 21:43399
MELIGY, Z. Systematics of properties of odd-mass nuclei in region near mass number 190, 22:1624
Transitions in decay ^{99}Zr $\to$ ^{99}Nb $\to$ ^{99}Mo, 21:31786
MELIK-ADAMYAN, F. E. The s-matrix theory of differential equations with integrable potential, 24:26515
MELIK-ALAVERDYAN, Yu. K. Emission lines in the optical spectra of radiogalactic nuclei, 24:19673
Origin of emission lines in optical spectra of radiogalactic nuclei, 24:19672
Problems on evolution of radio galaxies, 24:12610
Some properties of radio galaxies, 25:2867
MELIK-BARKHUDAROV, T. K. Nuclear spin relaxation in small-size superconductors, 22:48047
MELIK-GAIKAZYAN, I. Ya. Experimental verification of generation of cation vacancies during irradiation of KCl crystals, 25:19858
F- and M-center radiation growth kinetics, 23:48976
Investigation of alkali metal halide whiskers, 22:46241
Radiation coloring of NaCl single crystals activated by triple-charged Nd ions, 21:21085
Radiational accumulation of F and M centers using statistical method, 21:25180
Stepwise accumulation of electron centers in ionic crystals under the effect of irradiation, 23:44509
MELIKHAR, E. Testing of the seal of fuel element envelopes in reactors with gas heat transfer media, 25:34378 (JPRS-53069, pp 131-8)
MELIKHAR, Z. Monitoring integrity of fuel elements of the Czechoslovak heavy-water reactor, 24:4014
MELIKHOV, I. V. Impact recrystallization and its effect on sorption, 22:35796
Isotope exchange in stirred suspensions, 25:31924
MELIKHOV, P. I. Determination of the basic electrical and energy parameters of a toroidal solenoid, 23:48931 (IAE-1615)
MELIKHOVA, G. N. Extraction of uranium from solutions of trichloroacetic and acetic acids by binary mixtures of alkyl phosphates, 24:9455
Synergistic peculiarities in the extraction of U from solutions of nitric acid by equimolar mixtures of D2EHPA and TBP in kerosene, 24:14002
MELIK-ISRAELYAN, Sh. S. Variations in cardiac sensitivity in irradiated animals, 24:34662
MELIK-MARTIROSYAN, G. A. Coupling on line and logic for the exchange of information between the measuring projector for the treatment of the track chamber photographs and the computer, 21:19917
Projector for photograph survey and measurements, 21:19925
MELIK-MKRTCHYAN, L. N. Electrocardiogram (ECG) of animals suffering from acute radiation sickness, 21:39505
MELIKOV, A. A. Determination of Sm, 24:11416
Extraction-photometric study of reactions of Ce subgroup rare earths with Arsenazo III and diphenylguanidine, 23:34988
MELIKOV, Yu. V. Asymmetry of shadows arising in the interaction of fast charged particles with single crystals, 23:5477
Estimate of the lifetime of the excited compound nucleus in reaction W(^{22}Ne,f) (experiment), 25:53795
Measurement of ^{238}U fission time by approximately 3 MeV neutrons, 25:1758
Reaction (α,2α) on ^{6}Li, ^{7}Li, ^{9}Be, and ^{12}C. I, 23:30940
Reactions (d,α) and (p,α) on ^{9}Be nuclei, 21:44582
Shadow effect in fission of uranium, 23:42923
MELIKOVA, A. G. Particle tracks of hydrogen bubble chamber, 24:19239
MELIKSETYAN, A. Separation of rare metals from Mo concentrates, 23:15941
MELIK-SHAKHNAZAROV, V. A. Gamma radiation effects on spectrum of aluminum mechanical relaxation at temperature range from 150 to 300°K, 21:36898
MELIKYAN, A. O. Coherent resonance scattering of a non-monochromatic impulse by an atom, 25:50041
Effects of radiation damping in the field of an intense plane wave, 25:16847
MELIKYAN, E. G. Pulse generator for spark chamber, 23:26576
MELIKYOM, L. A. F-center destruction mechanism in proton tracks in alkali halide crystals, 25:30655
MELILLO, V. D. Large radioisotope heat source capsule program, 23:33329 (AI-AEC-12822)
MELIN, Gerard Maintenance of the resonance in a cavity filled with a variable density plasma, 23:32861 (CEA-R-3677)
Resonance frequency change for cavity charged by plasma with or without static magnetic field, 21:35154 (CEA-R-3122)
MELIN, Robert E. Uranium deposits in Wyoming, 24:19106
MELINKOV, Yu. T. Fusibility diagram of $PbCl_2$—$ThCl_4$ system, 24:11537
MELIORANSKII, A. C. Highly effective detector of the polarization of x radiation, 22:36066
MELIORANSKII, A. S. High-energy γ quanta at the upper limits of the atmosphere, 21:31271
Luminosity of certain extragalactic objects in hard γ-ray region, 25:49631
Measurements of ultraviolet radiation from Venera-5 and Venera-6, 25:40304
Measuring device for high-energy gamma quanta in the primary cosmic radiation, 21:37214
MELISSINOS, A. C. Data on Cherenkov counters, 23:2561 (UR-875-255)
K^-p backward scattering from 1 to 2.5 GeV/c, 23:51863
K^+p backward scattering in the region from 1.0 to 2.5 GeV/c, 22:52947
K^+p interactions at 13 GeV/c, 22:39276 (CERN-68-7(Vol.2), pp 172-89)
Measurement of π/sup +-/p backward scattering between 1.54 and 2.04 GeV/c, 21:25235 (BNL-11359)
Muon—proton elastic scattering at high momentum transfers, 22:15665
Observation of interaction $p + d \to {}^{3}He + \pi^0$ at a proton energy of 1.5 GeV, 21:37674
$Pi^{+-}p$ backward scattering between 1.5 and 3.0 GeV/c, 22:20152
Precise measurement of K^+/K^- lifetime ratio, 24:8560
Production of K^+ mesons in 2.85- and 2.40-GeV p—p collisions, 22:26558
Production of $K\pi\pi$ resonances at high energy, 21:29454
Program and interfacing for "on-line" use of a PDP-1 computer for bubble chamber film analysis, 21:4693 (UR-875-167)
π^+p interactions at 900 MeV, 22:11591
Quasi 2-body reactions in 13-GeV/c K^+p interactions, 22:48229 (UR-875-251)
Quasi-two-body reactions in 13 GeV/c K^+p interactions, 23:10760
Search for new meson resonances in K^+p interactions at 12.7 GeV/c, 22:46338 (UR-875-250)
Search for new meson resonances in K^+p interactions at 12.7 GeV/c, 23:1596
System of proportional wire chambers, 24:29572
MELITAURI, T. G. Thermal denaturation of ribonuclease dissolved in heavy water, 25:41793
MELKANOFF, M. A. Deuteron absorption coefficients and reaction cross sections calculated with optical model potentials, 21:21531
Nuclear-spectroscopy calculations including continuum states and application to giant resonance of ^{16}O, 21:40501
Origin of fine structure in giant resonance of ^{16}O, 21:25455
MELKERSSON, Sune Mass spectral data processing. II, 25:18835
MELKONIAN, E. Effect of ^{240}Pu compound-nucleus state on fission-fragment mass and kinetic energy distributions, 25:50730
Neutron thermalization experiments in pulsed poisoned moderators, 23:37760
Neutron thermalization experiments in pulsed gadolinium-poisoned assemblies, 24:7215
New neutron pulse technique to measure space—time-dependent importance functions, 22:33050
P-wave neutron fission of ^{235}U, 22:32631
Pick-up rejection scheme for low counting rate experiments, 21:14492 (CONF-660221-, pp 345-7)
Plutonium-239 ternary fission in the resonance region, 21:15548 (CONF-660221-, pp 33-7)
Pulsed-neutron experiments in water in the buckling range 0.06 to 1.80 cm^{-2}, 23:3905
Thermal-neutron-induced fission of ^{235}U, 24:52624
MELKONIAN, G. A. Conference on reactor pressure vessel steels and their behavior under irradiation, Geesthacht, Ger., 3/67, 23:28641
In-pile loop facility for irradiation of materials at temperatures up to 400°C, 21:32041
Radiation investigations of a new organic coolant for reactor technology, 21:28872
Radiolysis of dibenzyltoluene, 23:13776
MELKONYAN, G. A. Dose measurements obtained by a simple adiabatic calorimeter, 23:50189
Dose measurements obtained by a simple adiabatic calorimeter, 24:25318
MELKONYAN, V. Extraction of rare metals from molybdenum ore, 23:9518
MELLA, T. P. Effects of ionizing radiation on the thermal properties of linear high polymers. V, 24:29330
MELLADO, L. Sterile-male technique in the control of the Mediterranean fruit fly, 25:29739
MELLADO, Luis Sterilization of Ceratitis capitata Wied by use of gamma radiations, 23:26974 (CONF-670649-24)
Use of radioactive isotopes for labeling of Ceratitis capitata, 23:22355 (CONF-670649-7)
MELLAN, Ibert Corrosion resistant materials handbook, 1966, 21:26761
MELLANBY, K. Pesticides and pollution, 21:41431
MELLEMA, D. J. K^+p elastic scattering at 7.3 GeV/c, 23:21059
Multi-peripheralism in $K^+p \to$ anti Λpp and $K^+p \to \Lambda K^+K^+$ at 7.3 GeV/c, 25:25336
Regge pole exchange analysis of $K^+p \to K^{*0}\pi^+p$ at 7.3 GeV/c, 23:36939
Simple model for charged vector-meson production, 24:52107
Spin and parity of the T = 1/2 $K\pi\pi$ system near 1.3 GeV, 23:5535
MELLEMA, D. Joel Production (anti Λ) in 7.3 GeV/c K^+p interactions, 21:46483
MELLEMA, Dwight Joel Two- and three-body final states in K^+p interactions at 7.3 GeV/c, 25:14574
MELLEMA, J. Beta—gamma angular correlation in liquid ^{166}Ho sources, 22:48525
Evidence for a broad scalar $K\pi$ resonance near 1.1 GeV, 23:7097
Level spins of ^{142}Pr, 25:17947
Levels of ^{150}Sm and ^{56}Mn, 24:43227
Nuclear level spins of ^{56}Mn, 25:7823
Spin investigations of excited states of ^{60}Co by means of nuclear orientation, 23:34755
MELLEMGAARD, Kresten Determination of mitral regurgitation by infusion of ^{85}Kr, 22:527

MELLEMGAARD, Lis Anomalies of eyes in descendants of women, irradiated with small x-ray doses during age of fertility, 23:10104
MELLEMGARD, L. Retrospective study of the possible teratogenic effects of diagnostic pelvic x irradiation, 22:38482
MELLEN, W. J. Iodine-131 conversion ratio in domestic birds, 22:51451
MELLERIO, J. Formation of retinal laser lesions, 22:569
  Lasers and the eye, 21:43345
  Ocular hazard of CW lasers, 25:2591
  Retinal lesions produced with lasers, 22:49568
MELLERIO, John Laser irradiation of retinal tissue, 24:46676
MELLI, G. Scintigraphy of liver, spleen, and pancreas, 25:11200
MELLICK, P. Central control system of NAL accelerator, 25:50387
MELLIN, Lars Clinical course of severe radiation injury of the colon and rectum, 24:32247
MELLINGER, George T. Carcinoma of the prostate, 21:6582
MELLINK, J. H. Construction of auxiliary diaphragms for megavoltage irradiation, 24:48555
  Genetic damage in progeny of woman treated with ^{131}I. I, 23:41325
MELLINS, H. Z. Radiation effect on lymph nodes, 24:41979
MELLINS, Harry Z. Radiation effect on the barrier function of lymph node, 23:2923
MELLISH, C. E. Adsorption of ^{147}Pm from solution on metal surfaces, 21:35943
  Limits of accuracy in the determination of purity by thin-layer and paper chromatography, 25:6277
  Mechanism of adsorption of rare earth cations on to surfaces from very dilute solution ("radiocolloidal" adsorption), 22:47109 (AERE-R-5323)
MELLMANN, Juergen Age-dependent radiosensitivity of white rats. III, 23:928
  Radioresistance of rats during growth, 22:21612
MELLO, P. A. Energy variation of the effective Hamiltonian, 23:52178
  Extension of a schematic theory of nuclear reactions to include isospin and isobaric analogue resonances, 25:28492
  Possible dynamical restrictions on the strength function of nuclear reaction theory, 24:43591
  Problem of external mixing in isobaric analog resonances, 22:7780
  Time-dependent behavior of a classical model for reactions involving isobaric analog states, 25:5848
MELLON, D. W. Electrical resistivity and magnetization of Gd—Th and Gd—Mg alloys, 25:27871
MELLON, Donald Williams Transport properties of Gd—Th, Gd—Mg, and Y—Th alloys, 25:5169 (IS-T-379)
MELLON, M. G. Light absorption spectrometry, 22:25296
  Light absorption spectrometry, 24:26955
MELLONI, M. Autoradiographic method for electron microscopy, 24:41727
  In-depth localization of beta-emitting isotopes with a semiconductor detector spectrometric assembly, 23:43588
MELLOR, Arthur M. Prog. rpt. on combustion of metals, final, 7/64—6/66, 21:43588 (SC-CR-67-2611)
MELLOR, George L. Turbulent boundary layer models. II, 24:50296 (SC-CR-70-6125)
  Turbulent boundary layer models. II, 25:18305 (SC-CR-70-6125-B)
MELLOR, H. Determination of Co in 0.2 percent Al alloy, 21:38877 (PG-Report-789)
MELLOR, H. G. Deep ocean mechanical behavior of metals, 23:48432
MELLOR, J. F. Post-irradiation examination of CVTR fuel assemblies, 23:44024 (WCAP-3850-4)
  PWR FLECHT interim materials evaluation report, 24:51133 (WCAP-7444)
MELLORS, G. W. Coherent coatings of refractory metals, 21:1944
  Electrodeposition of coherent coatings of refractory metals. VII. Zirconium diboride, 25:22142
MELLORS, Geoffrey W. Electrodeposition of refractory metals, 23:32026
MELLOWS, Frank W. Effect of water on hydrogen yields in γ radiolysis of 1,4-dioxane, 21:42974
MELM, Gerald D. Logarithmic distribution coefficients of rare earth compounds fractionally precipitated from homogeneous solution, 22:8054
MELMED, A. J. Adsorption of O on W, 24:1021
MELMED, Allan J. Helium field-ion microscopy of hexagonal close-packed metals, 22:10995
MELMED, R. N. Selenium-75-L-selenocystine and ^{75}Se-DLmeso-selenocystine, 24:11917
MELNICAK, P. Scintigraphic localisation of the kidneys for percutaneous renal biopsy, 25:26821
MELNICHEKO, V. V. Structure of electron clusters in an injector with a step-like varying wave phase velocity, 25:28112 (KHFTI-70-17)
MELNICHENKO, A. K. Radiochemical peculiarities of granitoids of the Gissar pluton, 25:34734
MEL'NICHENKO, V. V. Automating a 2-GeV electron linac, 25:14852 (SLAC-Trans-126)
  Concerning ways to stabilize basic parameters of beam of linear accelerator of electrons with energy 2 GeV, 24:47531 (KHFTI-69-20)
  Structure of electron bunches from an injector with stepped variation of the wave phase velocity, 25:17614 (SLAC-Trans-127)
MEL'NICHUK, D. O. Avidin effect on intensity of ^{14}C incorporation from NaH^{14}CO$_3$ and glycine-1-^{14}C into proteins and lipids of rat liver homogenates, 25:13344
MELNICK, Joseph L. Effect of uv light on the infectivity and enzyme-inducing capacity of papovavirus SV40, 21:16537
MELNICK, M. Nickel cross sections, 21:33905 (WANL-TME-1334)
MEL'NIK, A. D. Chemical dosimetry in tissue, 22:45546
  Determination of the content of stable iodine in the thyroid gland by the method of activation of supercadmium neutrons without destruction of the sample, 22:49270
  Neutron-activation analysis in the study of iodine behavior in the organism, 24:48365
  Neutron-activation analysis of Ca, P, and Na in bones, 25:55106
  Neutron-activation of stable iodine in thyroid gland, 24:5974
MEL'NIK, B. A. Structure of gallium—indium alloys in the molten state, 25:58276
MEL'NIK, P. I. Complex impregnation of Fe with Be, Mn, and B, 23:27069
  Saturation with beryllium by diffusion, 22:10920
MEL'NIK, P. V. Differential elastic scattering cross section of 4- to 8-keV electrons at large angles as a function of atomic number of scattering material, 21:34008
  Differential thickness curves of electron backscattering from the two-layered target Be—Au, 21:43834
  Energy distribution of secondary electrons and photoelectrons excited by soft x rays, 23:5207
  Energy losses of 6 keV electrons in a two-layered Be—Au target, 21:33196
  Inelastic scattering of electrons having specific energies in thin films of gold, 21:37108
MEL'NIK, Yu. N. Effect of state mixing on the diffraction scattering cross section, 22:35405
MEL'NIK, Yu. P. Adsorption of O on boundaries (100) of W, 25:58226
  Inelastic scattering and superfluid nucleus model, 23:39983
  New experimental and calculated data on thorium migration under hypergenic conditions, 22:25517
  Some thermodynamic stability data on uraninites with variable composition in supergene conditions, 21:10327
  Structure of tungsten face (110) covered with film of adsorbed oxygen, 21:34918
  Theory of diffraction scattering and the method of complex angular momenta, 21:31887
MEL'NIKOV, A. A. Observations of cosmic radio emission near galactic anticenter at wavelengths of 70, 60, and 40 cm, 23:10469
MELNIKOV, A. K. Measurement of energy spectra and average number anti τ of prompt neutrons produced in fission of actinide elements, 25:15118
MEL'NIKOV, A. V. Nuclear magnetic resonance in the Earth's field, 22:15480
MEL'NIKOV, G. P. Amplifier with automatic gain control for precision amplitude spectrometers, 22:47365
  Electronic digital spectrometers in experimental nuclear physics, 22:30854
MELNIKOV, N. I. Paramagnetic resonance of ^{2}S/sub 1/2/ state of Cd$^+$ ions in NaCl crystals, 23:51763
  Paramagnetic resonance of copper atoms stabilized in alkali metal halide crystals, 22:22219
  Paramagnetic resonance of silver atoms stabilized in alkali metal halide crystals, 23:7040
  Stabilized Ag atoms formed during irradiation of frozen salt solutions in aromatic compounds, 23:2322
MEL'NIKOV, N. P. Engineering design and structural analysis of nuclear reactors, 21:23625 (AEC-tr-6640)
MEL'NIKOV, N. V. USSR power resources, 23:13349 (AEC-tr-6996)
MEL'NIKOV, O. A. Systems of Frauhofer wavelengths in solar spectra, 25:43074
MELNIKOV, V. A. Isotopic exchange of Ho in the Ho^{3+}—Ho(EDTA)-system, 21:8253
  Protective effect of electronarcosis in extreme cases of radiation sickness, 22:49484 (JPRS-39515, pp 1-13)
MEL'NIKOV, V. I. Minimum of the electrical resistance of Fe, Cu, Lu, and Tm layers, 24:21890
MELNIKOV, V. N. Experimental data on the K-meson and nucleon charge exchange at high energies and complex angular momentum theory, 21:9701
  Green's functions for Coulomb systems with collisions, 22:15529
  Green's functions for quantum Fermi systems of colliding charged particles, 23:51815
  Photoproduction of bosons on nuclei with $S = T = 0$, 22:3319
  Precise solution of system of Einstein's equations, 25:25517
  Super-heavy particles in scalar-tensor theory of gravitation, 23:39821 (ITF-69-21)
  Use of nuclear targets for investigating boson resonances, 22:11667
MEL'NIKOV, Yu. A. Increasing the sensitivity of the direct spectrographic determination of microimpurities in niobium pentoxide, 25:48448
MEL'NIKOV, Yu. T. Melt diagrams of magnesium and uranium chlorides, 23:41747
  Study of melting in salt systems containing uranium trichloride, 24:44021
MEL'NIKOVA, L. A. Effect of some inhibitors on the formation of the deproteinization factor in smallpox vaccine virus, 21:24301
MEL'NIKOVA, L. V. Corrosion resistance, electrochemical and mechanical properties, and microstructure of Nb—Ta alloys, 23:8118
  Effect of heat on structure of Zr, 23:41674
  Heat-treatment of V, Nb, and Ta by electron beam, 23:41595
  Structural changes in V and Nb, 23:14367
  Thermoelectric properties of wires made of tungsten monocrystals, 24:48830
MEL'NIKOVA, M. K. Effect of temperature on absorption and accumulation of radio-strontium in potato tubers, 25:51988
  Mechanism of radiostrontium intake in potato tubers, 24:11902 (AEC-tr-7128, pp 127-42)
  Use of radioactive and stable isotopes in agrochemical investigations, 25:51609 (A/CONF.49/P-434)
MEL'NIKOVA, N. L. Effect of x irradiation on synthesis of RNA, 21:22724
  Protective action of some chlortetracycline derivatives during radiation damage of yeast, 21:43464
MELNIKOVA, N. N. Application of phenomenological quasi-two-body model to π^-p-interactions with strange particle production at $p = 4$ GeV/c, 25:30869 (JINR-P1-5706)
  Correlations between longitudinal and transversal momentum components of secondary particles produced in π^-p interactions at 4.0 GeV/c, 23:32634
  Investigation of correlations between longitudinal and transverse momentum components for secondary particles in various final states of π^-p collisions at 4.0 GeV/c with production of strange particles, 25:7562
  Production of resonances in reactions $\pi^-p \rightarrow \pi^+\pi^-\Lambda^0K^0$ and $\pi^-p \rightarrow K^+\pi^-\Lambda^0\pi^0$ at 4.0 GeV/c, 24:3545
  Quasi two-particle reactions in 4.0 GeV/c π^-p interactions with strange particles involved, 23:1593 (JINR-P1-4049)
  Quasi-two-particle reactions with production of strange particles in π^-p interactions at 4.0 GeV/c, 23:27749
MEL'NIKOVA, N. S. Hydrodynamics of the convective envelopes of stars, 25:55707
MELNIKOVA, S. A. Catalytic amalgam method for determining small amounts of Cr, V, and Mo in brine, 25:2080
MEL'NIKOVA, S. K. Effect of γ-irradiation on adaptive synthesis of tryptophanpyrrolase in rat liver, 21:34786
  Influence of ionizing radiation on the adaptive syntehsis of tryptophan pyrrolase in the process of postnatal development of rats, 24:9757
  Influence of radiotoxins on hormonal induction of tryptophan pyrrolase, 23:17950
  Tryptophan pyrrolase synthesis in rat liver during γ irradiation, 24:16973
MELNYK, A. Kinetics and mechanism of the sulfoxide—silane reaction, 24:33669
MELNYK, Andrew Rostyslaw Interaction of electromagnetic radiation with a bounded plasma, 22:46150
MELO, A. A. Determination of uranium and thorium ores using gamma spectrometry, 21:10284
MELO, Joaquin Soto Radiosensitivity in cutaneous epitheliomas, 23:50901
MELO, T. B. Electron-induced luminescence in radiation standards of tritium and radiocarbon in acryl plastics, 25:15889
  Simultaneous detection of tritium and radiocarbon in solid scintillation thin-layer radiochromatography, 24:38752
MELOAN, C. E. Radiation protection by sulfur compounds, 22:51832
MELOAN, Clifton E. Effect of water on the distribution of uranyl 8-quinolinol chelate between nitromethane and 1-decanol, 23:4599
MELOE, B. Continuous-dynode electron multiplier detectors in TLC, 24:25287
MELOE, T. B. Enhanced photoemulsion sensitivity at low temperatures, 24:11457
  Fast radiochromatographic detection of tritium, 24:11454
  Tritium detection by β-radioluminescence. II, 24:18903
  Two-dimensional scanner for radiochromatograms employing an electron multiplier detector in vacuo, 25:48924
MELON, J. Effects of cortisone on lesions induced by local irradiation of gastric mucosa, 22:36372
MELONI, C. Radioactivity of foods in Province of Pavia, 25:18942
  Results of 3 years (1964—1966) of measuring radioactivity of foods sampled in city and province of Pavia, 25:42389
MELONI, G. A. Differential sensitivity to uv-irradiation of virus and cell genome expression in SV40 transformed cells, 25:42733
MELONI, S. Activation analysis and computers, 24:11473
  Behavior of 14 radionuclides on MnO$_2$ columns, 23:11614
  Behavior of neptunium in nitric acid solutions on ammonium-12 molybdophosphate, 25:46543
  Determination of trace amounts of cobalt in haemin by neutron activation analysis, 21:19570
  New /sub 99m/Tc generator using manganese dioxide, 22:16786
  Sorption of some actinide ions on ammonium molybdophosphate chromatographic columns, 25:51592
  Utilization of University of Pavia LENA research reactor, 22:50835
MELONI, Sandro Aluminum and Si abundances of Italian meteorites determined by activation analysis, 24:149
  Aluminum and Si abundances of some Italian meteorites as determined by instrumental activation analysis, 25:4048
  Chromium separation by inorganic exchangers in activation analysis, 24:32
  Chromium separation by inorganic exchangers in activation analysis of biological materials, 24:2157
  Radiochemical separations by adsorption on manganese dioxide, 22:157
  Some Italian meteorites trace elements content by nondestructive neutron activation analysis, 25:18370
  Use of TRIGA reactor for research, 22:50822
  Utilization of University of Pavia LENA Research Reactor, 22:33023
MELOSK, H. J. Estimate of the gravitational radiation from NP 0532, 24:6305
MELOUKHIA, M. K. Strontium-90 levels of fallout and food diet in UAR during 1968, 23:35702 (A-AC-82/G/L-1280)
MELROSE, D. B. Acceleration of ultrarelativistic electrons in Crab Nebula, 23:41777
  Classical derivation of inverse Compton radiation, 25:30502
  Correlation between linear and circular polarization in synchrotron sources, 25:47238

  Degree of circular polarization of synchrotron radiation, 25:58547
  Distribution of thermal plasma in magnetosphere of Jupiter, 22:17208
  Electrostatic bremsstrahlung, 25:30501
  Emission and absorption of waves by charged particles in magnetized plasmas, 23:1148
  Emissivity in the magneto-ionic modes, 23:5403
  Formation of energy spectra in synchrotron sources, 25:30144
  Interaction between cosmic-ray electrons and cosmic-ray protons, 24:42540
  Resonant interaction of hydromagnetic waves with charged particles, 23:41778
  Synchrotron radiation from particles with small pitch angles, 25:32961
  Theory of type II and type III solar radio bursts. I, 25:13871
  Theory of type II and type III solar radio bursts. II, 25:13872
MELROSE, Donald B. Formation of energy spectra in synchrotron sources, 24:1190
  Isotropization of electrons in synchrotron sources, 24:19643
MELROSE, S. P. G. Beta backscatter measurement of coating thickness, 22:40337
MELSA, James L. Applications of modern control theory to nuclear reactor systems, 23:49555
  Prog. rpt. on application of modern automatic control theory to nuclear rocket dynamics and control, semiannual, 2/66, 21:14049 (NASA-CR-70862)
  State-variable feedback control of coupled nuclear systems, 21:17458 (LA-DC-8352)
MELSHEIMER, O. Canonical commutation relations for Bose fields, 23:32818
  Class of generalized group contractions, 21:27399
  Limitable dynamical groups in quantum mechanics. I, 23:1607
  New lie group for the scalar SU(3) symmetric strong coupling theory, 22:29741
  Representations of Lie algebras with unbounded generators. I, 21:938 (IC-66/97)
MELSKI, J. Cobalt-60 teletherapy dosimetry, 25:11061
MELSOM, S. Precision and accuracy of rare earth determinations in rock samples using instrumental neutron activation, 24:31299
MELSOM, Sigurd Basic studies on the catalysis of oxidation reactions of graphite. annual report no. 2. project dragon, 24:42178 (DP-Report-372)
MELSON, G. A. Co-ordination chemistry of Sc. I, 23:13717
MELTON, B. F. Hydrated chromic ions in H_2O and H_2O—D_2O mixtures, 24:4280
MELTON, B. J. Prototype, solid-state, He purification cell, 23:2040 (LA-3794)
  Sodium pumps in Los Alamos 2000-kilowatt sodium test facility, 22:10433 (LA-3782)
MELTON, C. E. High transmission and dual electron beam ion sources for mass spectrometry, 21:6348
MELTON, Carl W. Prog. rpt. on radiation effects on sympathetic neuron, final, 3/16/62—7/15/64, 21:8668 (AD-634405)
MELTON, Charles E. Acetylene production by the radiolysis of methane, 22:10280
  Mass spectrometer as a radiolytic and catalytic laboratory, 23:20049
  Prog. rpt. on radiolysis of water in wide range radiolysis source, annual, 9/1/70—6/1/71, 25:34636 (ORO-3729-4)
  Radiolysis of methane in wide-range radiolysis source of mass spectrometer. I, 21:40917
  Radiolysis of water vapor in a wide range radiolysis source of a mass spectrometer. I, 24:13972
  Study by mass spectrometry of the decomposition of ammonia by ionizing radiation in a wide-range radiolysis source, 21:3110
MELTON, J. G. Harmonic ion cyclotron wave propagation and damping in plasma, 24:10574 (AD-694693)
MELTON, L. A. Extraction of reaction cross section from rate constant data, 24:10383
MELTON, Mattie L. TV system for data blending of scintiscans, 23:50670
MELTON, R. D. Inexpensive, fast on—off, high power, pulsed rf amplifier, 25:7362
MELTZ, G. Heating the F region by deviative absorption of radio waves, 25:7265
  Prog. rpt. on pulse dispersion in plasma, final, 5/64—9/66, 21:25133 (SRRC-CR-66-48)
MELTZ, M. L. Increased hybridization of RNA synthesized immediately after irradiation in cultured L5178Y mouse leukaemic cells, 25:46725
MELTZER, C. M. Magnitude of the K^0/sub L/—K^0/sub S/, 21:862 (BNL-10608)
  Sign of the K/sub L/—K/sub S/ mass difference, 21:2349
MELUCCI, G. Nuclear reactor cores simulation, 24:38497
  PEC reactor coolant accidents study, 22:53444
MELUCCI, Robert C. Mass spectrometric observations of gaseous boron selenides, 24:22520 (COO-1029-33)
MELVEGER, A. J. Determination of ^{18}O isotopic constitution of oxyanions using Raman scattering, 24:18882
MELVILLE, G. S. Jr. Prog. rpt. on effects of mixed ionizing radiation on rhesus primates, 1/54—5/64, 21:34737 (AD-637688)
MELVILLE, George S. Jr. Chemical protection of irradiated monkeys in combination with autologous and homologous marrow transfusion, 21:6628
  Pharmacodynamics of a radioprotective drug: 2- (1-decylamino)ethanethiosulfuric acid, 24:9874 (AD-692983)
  Prog. rpt. on selection of radiation-resistant animals, 2/66—10/67, 23:38766 (AD-686733)
  Radiation mortality of rodents under hypobaric—hypoxic conditions, 23:45884 (AD-690130)
  Radioprotection of rodents with papain, 23:41344 (AD-688374)
  Radioprotection: antiradiation agent development and chemical radioprotection research, 23:41345 (AD-688501)
  Some effects of macrofractionated gamma ray irradiation upon the rhesus primate, 21:20369
  Stress response as a predictor of radiosensitivity in primates, 23:31900 (AD-682285)
MELVILLE, P. H. Examination of fluxon behaviour by analogy with a floating magnetic model, 25:11833
MELVIN, J. G. Design and development for reliability, 25:28554 (AECL-3670, pp 89-96)
  Process for finish machining reactor pressure tubes, 23:21479 (AECL-3252)
MELZACKI, K. Triggatrons of high-current pulse generators, 22:47429
MELZER, E. Compressor for a high pressure helium circuit for cooling high temperature fuel elements during irradiation experiments, 25:28833
MELZER, W. Ballistic deficit and the signal-to-noise ratio of semiconductor spectrometers for energy and position spectroscopy, 22:14808
  Charge dividing mechanism in position sensitive detectors, 22:332
  Gamma spectrometer for x-ray studies with semiconductor detectors and cooled input stage, 21:41216
  High-resolution γ spectrometer with Ge(Li) detector and field-effect transistor preamplifier, 21:3276
  Linearity and resolution of a one dimensional position sensitive detector, 22:16868
  Pulse divider for use with position sensitive detectors, 23:43547
  Silicon surface barrier detectors for x-ray spectroscopy, 22:21344
  X—Y position sensitive detector, 21:43265
MELZNER, F. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
  Electron density measurements in the ionosphere with an improved rf impedance probe, 25:11781
  Electron density measurements in the ionosphere with high-altitude rockets, 25:17006
  Measurement of electron density profiles in the lower magnetosphere with a sounding rocket, 22:36822
  Preliminary results of electric field measurements in the auroral zone, 22:13332
MEMELOVA, L. Ya. Measurement of reactor absorption cross section of isotopes ^{154}Gd and ^{156}Gd, 21:30019
MEMIK, Faruk Radiation enterocolitis case report, 23:50791
MEMMERT, G. Optimum use of Pu in power industry, 24:36857 (EUR-4474)
  Theoretical design of FDR core and comparison with experimental results from zero-power experiment, 22:46985
  Uniform procedure for calculating fuel inventories and consumption rates of major power stations systems, 24:11201 (BMwF-FBK-69-27)
MEMMESHEIMER, A. R. Treatment of cavernous hemangiomas in children, 22:15050
MEMON, K. J. Spectrum stabilizer for proportional and scintillation detectors, 23:2638
MEMON, M. H. Radiation changes in carcinoma of oral cavity, 24:23283
MEMPEL, W. Bone marrow transplantation in supralethally irradiated mice, 23:33744
MEN, A. V. Connection between absolute radioluminosity of extragalactic sources and redshift, 25:11581 (CSIRO-Trans-10247)
  Processes leading to deviations of spectra of discrete sources, 24:19620
  Scattering of the decameter radio emission of the Crab Nebula by the solar corona, 24:42414
  Spectra of discrete radio sources, 24:21483
  Spectra of the supernova remnants HB 3 and HB 9 at decameter wavelengths, 21:11361
MENA, Andre High damping capacity magnesium—zirconium, 23:41641
MENACHE, Maurice Study of the density variation of water as a function of its isotopic composition, 24:41292
MENADUE, James F. Quantitative reflection electron diffraction in an ultra high vacuum camera, 22:15193
MENAPACE, E. Analysis by a simulated measurement of neutron spectra, 25:56620 (RT/FI-(70)53)
  Doppler effect evaluation for homogeneous dilute fast-oxide reactors, 22:53377
  Two-level resonance formulas and their application to the calculation of the effective resonance integral, 23:5751 (RT/FIMA-(68)2)
  Two-level resonance formulas and their application of the effective resonance integral, 23:49390 (EURFNR-638)
  Utilization of "a priori" information in fast neutron spectrometry by threshold detectors, 22:26779
MENAPACE, L. M. Thermal neutron activation analysis for K, Ho, and La in W bronzes, 25:46453
MENAPACE, Laurene Solid state scintillation gamma-ray spectrometry, 24:67
MENAPACE, Laurene Mary Activation analysis with thermal and fission neutrons, 24:13776 (IS-T-341)
  Use of metastable states in activation analysis, 21:42874 (IS-T-196)
MENAPLACE, Enzo Use of approximate quadrature formulas for the fast neutron flux evaluation by threshold detectors, 22:38025
MENARD, Joel Radioimmunoassay for antidiuretic hormone, 24:34172
MENARDI, S. Diffraction of neutrons on heavy water, 21:13400
  Performance of thermal and cold neutron source to be used in fast pulsed reactor, 23:2078
  Pulse shapes of neutron bursts in thermal and subthermal range at single energies, 23:19115 (EUR-4081)
  Study by neutron spectrum measurements of a thermal and cold neutron source to be used in a fast pulsed reactor, 21:23738
MENCHEN, William R. Nuclear safety program on the SNAP-23A power system, 25:4220
MENCHERO-LOPEZ, Emilio Manuel Process for solidifying radioactive wastes by addition of lime to precipitate fluoride, 25:21139
MENCHINSKI, V. Lifetime of excited states of Gd nuclei, 24:26662
MENCKEN, Calvin R. Construction of a pressure-resistant flow cell of high efficiency for scintillation counting with accelerated amino acid analysis, 24:27378
MENCL, J. Determination of burn-up of nuclear fuel, 24:18913
  Determination of Ce in fission products by extraction with Di(2-ethylhexyl)phosphoric acid, 22:33271
  Determination of radiocerium in fission products mixture by reversed phase partition chromatography with di(2-ethylhexyl)phosphoric acid, 22:42595 (UJV-1978)
  Determination of radiocerium in fission products, 23:46
  Effects of cystamine, 5-methoxytryptamine and their combination in mice, 25:24217
  Isolation of radiocesium from a fission product mixture by means of sorption on vanadium(IV) hexacyanoferrate, 23:49898 (UJV-2242-CH)
  Isolation of radioruthenium from fission products of U, 24:48044
  Isolation of radioruthenium from fission product mixtures by distillation, 25:32058
  Isolation of stable isotopes of Nd, 24:19066
  Radioprotective effect of cystamine and 5-methoxytryptamine in mice, 25:24218
MENCLOVA, Blanka Extractive photometric determination of Th with arsenazo DAL, 21:21884
  Extractive photometric determination of La and Y with chlorophosphonazo DAL, 21:32129
MENCUCCINI, C. Angular distribution for eta-meson photoproduction from H at 775 to 850 MeV, 22:20117
  Beam survey of intermediate energy meson beam in proton area at ZGS, 21:40300 (COO-1195-96)
  Eta photoproduction cross section for incident photon energies from 800 to 1000 MeV, 21:3974
  Experimental test of quantum electrodynamics by 2γ annihilation at 1.4 to 2.4 GeV total energy with the e^+e^- storage ring Adone, 25:45796 (LNF-71/16)
  Measurement of the relative partial decay rates for $K^{+-} \rightarrow \pi^{+-} + \pi^+ + \pi^-$, 21:33594
  Photoproduction of neutral pions for incident photon energies 400 to 800 MeV, 21:37663
  Photoproduction of the eta meson on deuterium, 23:25497
  Remarks on the eta-meson cusp effect in π^0 photoproduction, 21:21157
  Total eta—nucleon cross section, 23:18782
  Total eta-nucleon cross section by photoproduction of eta mesons in complex nuclei, 23:23359 (LNF-69/4)
MENCUCCINI-SPANO, M. A. Monte Carlo type program for simulation of events produced in ADONE in regulating with magnetic analyzer, 23:37039 (LNF-69/13)
MENCZEL, J. Effect of carrier Ca level on metabolism of ^{45}Ca and ^{85}Sr in the rat, 22:25770
MENCZEL, Jacob Effect of mercuhydrin alone and in conjunction with ammonium chloride on radiostrontium excretion in man, 21:26435
  Tooth dwarfism and root underdevelopment following irradiation, 21:11044
MENCZER, Leonard E. Metal column for the dental x-ray machine, 21:22417
MENDE, A. Automatic evacuation plant, 22:46669
  Universal scattering chamber for experimental nuclear physics, 23:46875
MENDE, F. F. AFC system using superconducting resonator, 21:45469
  Behavior of superconductive thin-film bridges in SHF fields, 25:43298
  Nonlinear effects in thin superconducting tin films at microwave frequencies, 22:17580
  Superconducting cylindrical diaphragmed resonator for three-centimeter wave, 22:22496
MENDE, H. Liquid wastes of radiological institutes and isotope divisions, 25:57529
  Reclamation of waste water containing radioactive admixtures, 23:38224
  Treatment of effluents containing radioactive contaminants, 21:30511
MENDE, S. B. Airborne observations of auroral precipitation patterns, 25:22417
  Experimental investigation of electric fields parallel to the magnetic field in the auroral ionosphere, 22:15416
  High-sensitivity satellite-borne television camera for the detection of auroras, 22:41473
MENDECKI, J. Effect of native, denatured, renatured, and degraded DNA on survival of lethally irradiated rats, 23:12134 (AEC-tr-6646/4A, pp 103-6)
  Kinetics of death after whole-body irradiation with x rays or gamma rays, 23:12135 (AEC-tr-6646/4A, pp 107-10)
MENDEL, Annick Electric currents in the ionosphere of the polar caps, 22:31700
  Mean intensity of the electric currents in the ionosphere of the polar caps as a function of the planetary magnetic activity, 22:34410
MENDEL, C. W. Jr. Microwave-induced ionization oscillations in a resonant plasma column, 24:15364
  Nonlinear damping of Tonks—Dattner resonances, 25:11942
  Observations of nonlinear damping of Tonks—Dattner resonances, 22:39133
MENDEL, Clifford William Jr. Investigation of dense plasma under a strong electric field, 21:33459
MENDEL, J. E. Design verification testing of waste solidification processes, 21:10580 (CONF-660208-, pp 513-25)
  Pot calcination performance during first radioactive tests in waste solidification engineering prototypes. IV, 23:11595 (BNWL-814)
  Summary report on analysis of semi-fluid condition in PG-6 phosphate glass solids container, 25:57702 (BNWL-B-112)

Waste solidification demonstration program, 23:38022 (BNWL-1083)
Waste solidification demonstration program: characterization of nonradioactive samples of solidified high-level waste, 24:41384 (BNWL-1393)
Waste Solidification Demonstration Program. Experimental techniques for characterization of high-level radioactive solidified waste, 25:354 (BNWL-1425)
Waste solidification program. VIII, 25:48567 (BNWL-1583)
Waste solidification program. Volume 6. Spray solidification performance during first radioactive tests in Waste Solidification Engineering Prototypes, 24:50443 (BNWL-1391)
MENDELL, J. S. Attempt to generate plasma oscillations with a relativistic electron beam, 22:7332
Search for plasma oscillations stimulated by pre-bunched electron beam from linear accelerator, 21:33404 (NASA-CR-819)
MENDELL, R. B. Fast neutron latitude variations in the atmosphere at solar minimum, 21:2122
Neutron production by cosmic rays in the atmosphere, 22:19808
MENDELSOHN, J. M. Effects of radiation, heating, and storage on volatile carbonyl compounds in clam meats, 22:12948
Preservation of uncooked fish muscle by cryogenic radiosterilization, 24:51122
Prog. rpt. on chemistry of radiopasteurized seafoods, 10/66—9/67, 23:12255 (TID-24633)
MENDELSOHN, L. B. High-order perturbation theory and Pade approximants for one-electron ion, 24:45061
MENDELSOHN, Lawrence B. Hartree—Fock diamagnetic susceptibilities, 24:51406
High-order perturbation theory for a one-electron ion in a uniform electric field, 23:1198
High-order perturbation theory for bound states of an electron in screened Coulomb potential, 23:46292
Large-Z expansion theory for ground state of one-electron ion perturbed by r/sup N/, 21:37153
MENDELSOHN, Lewis I. Brazing molybdenum and zircon sensor components, 21:13132
MENDELSOHN, Mortimer L. Biology of dose-limiting tissues, 25:11253 (BNL-50203, pp 154-73)
Cell cloning experiments as models for radiotherapy, 21:41361
Radiation effects in tumors, 22:25916
MENDEL'SON, E. L. Continuously operating γ-radiation sources for carrying out liquid- and gas-phase processes, 25:32140
MENDELSON, Janice A. Physical effects of lasers on tissue, 21:41510
Study of biologically significant forces following laser irradiation, 21:30889
MENDELSON, M. R. Application of Monte Carlo methods in reactor physics, 23:15728 (ANS-RPD-1, Paper 2A)
Applications of Monte Carlo methods at KAPL, 22:33131
Effect of anisotropic scattering in plane-geometry transport theory and Monte Carlo calculations, 21:21378
IMPS: an infinite medium photon spectrum code, 21:18780 (KAPL-M-6571)
Monte Carlo criticality calculations for thermal reactors, 21:34112 (KAPL-P-3344)
Monte Carlo criticality calculations for thermal reactors, 21:38547
Monte Carlo criticality calculations for thermal reactors, 22:33005
Monte Carlo methods in reactor physics, 22:39902 (KAPL-P-3432)
P_1 blackness theory for infinite cylinders, 25:54270
P/sub L/ blackness theory in plane geometry, 22:1561 (KAPL-P-3391)
P/sub L/ blackness theory in plane geometry, 22:6152
P/sub N/ blackness theory in plane geometry, 22:41940
Total gamma energy release due to thermal—neutron fission in ^{235}U, 22:3709
Two-dimensional blackness theory boundary conditions: RZ geometry, 23:34933 (KAPL-P-3830)
Two-dimensional blackness-theory boundary conditions: RZ geometry, 23:37723
Use of infinite medium spectra in gamma-ray heating calculations, 22:3156
MENDELSON, R. Structure of ^{16}O and ^{17}O(p,d)^{16}O reaction, 24:22095
MENDELSON, R. A. Development of porous ionizer materials, 21:16575
Lifetime of 3.19-MeV (6^+) state in ^{42}Ca, 23:42897
Prog. rpt. on W—Rh alloys for ionizer applications, II, final, 7/66, 21:4937 (N-66-32186)
Structure and properties of porous ionizer materials, 23:22531
MENDELSON, R. A. Jr. Lifetime of first excited state of ^{13}C, 22:20492
Lifetime of the first excited state in ^{19}F, 23:52116
Lifetime of the first excited states of ^{32}P, 22:13977
Lifetimes of the first and second excited states of ^{21}F, 21:9970
New nuclides ^{19}Na and ^{23}Al observed via the (p,^{6}He) reaction, 23:21311
MENDELSON, Robert Mass of ^{13}O and isobaric multiplet mass equation, 25:5640
MENDELSON, Robert Alexander Jr. Lifetimes of gamma-ray transitions in s—d shell by delayed coincidence method, 22:29976
MENDELSSHON, K. Properties of transuranic metals, 25:6866
MENDELSSOHN, K. Action of dislocations on pinning in a superconducting single crystal, 23:30458
Almost ideal behavior in some type-II superconducting alloys, 21:33296
Flux pinning in thermodynamically reversible type-II superconductors, 23:23027
History of superconductivity, 23:20835
Properties of transuranic metals, 24:39620 (CONF-691208-(Vol.1), pp 53-61)
Review of low temperature specific heats of the actinides, 25:11384
Self irradiation damage in transuranic elements and compounds, 21:32937
Self-irradiation damage in the actinide metals, 22:29585
Self-irradiation damage induced resistivity changes in actinide metals at low temperatures, 25:11960
Specific heats of plutonium and neptunium, 24:36919
Superconductivity and superconducting devices, 25:43301
Transfer of He film between 0.3K and lambda point, 25:52734
MENDELSSOHN, Kurt States of aggregation, 23:27528
MENDES, A. Correlation between sudden phase anomalies and solar microwave radio bursts, 24:25889
MENDES, A. M. Phase and amplitude changes of vlf signals associated with PCA events, 25:5020
VLF propagation effects produced by eclipse, 24:37389
MENDES, Aracy M. Polarization bursts in the sun observed at microwave frequencies, 23:6857
Relative changes on lower ionosphere conductivity gradients during SID events, 22:22039
MENDES, R. V. Schwinger terms in an algebraic quark model, 24:49454
MENDES, Rui V. Representations of local I-spin charge densities. I, 25:12181
MENDES, Rui Vilela de L. Representations of local currents and related algebras, 25:12127
MENDEZ, F. Inhibition of ribosomal RNA synthesis in x-irradiated HeLa cells, 25:26983
MENDEZ, Jorge Effects of radiocolloids on serous effusions of neoplastic origin, 23:31858 (CNEA-216)
MENDEZ, Manuel E. Infrared spectra for 32 stars, 24:46828
MENDEZ, V. Electron spin resonance spectrum of CH_3CO_2- trapped in γ-irradiated sodium acetate, 22:2124
MENDEZ DURAN, Javier Design of ionizing radiation counter, 21:39184 (NP-16758)
MENDEZ V., R. M. Variational analysis with harmonic-oscillator states for square potentials, 25:5849
MENDEZ V., Rosa Ma. Variational calculation of ^{16}O in the α-particle model, 25:59726
MENDIBURU, J. P. Backward elastic scattering from 875 to 1580 MeV/c, 24:49349
Spectrometer using magnetostrictive chambers, 23:47826
MENDICINO, Samuel F. Lawrence Radiation Laboratory Octopus, 25:34494 (UCRL-73149)
MENDILLO, M. Ionospheric storm of March 8, 1970, 25:55974
Ionospheric storms at midlatitudes, 24:45115
Seasonal effect in the mid-latitude slab thickness variations during magnetic disturbances, 24:5065
Simultaneous storm-time increases of ionospheric electron content and geomagnetic field in dusk sector, 25:35956
MENDILLO, Michael Dependence of magnetospheric electric field on velocity of solar wind, 25:56039
Model relating the radial changes of the plasmapause at dusk to geomagnetic activity, 25:11776 (AD-708495)
MENDIRATTA, M. G. Strength increase in Ti 35 wt. percent Nb through step-aging, 25:55490
MENDIRATTA, Madan G. Correlation of strength properties to microstructures in precipitation-hardened Ti—Nb alloys, 25:29872
MENDIRATTA, R. G. Positron—electron scattering and Bhabha exchange effects, 23:3631
Recoilless fraction and thermal shift for ^{129}I 26.8-keV transition in CsI, 22:986
MENDIS, D. A. Abundance of molecular hydrogen in interstellar gas clouds, 22:34156
Dissociation—ionization fronts in interstellar gas clouds. I, 22:52367
Dissociation—ionization fronts in interstellar gas clouds. II, 23:12498
Dissociation—ionization fronts in interstellar gas clouds. III, 23:14562
Geomagnetic conjugacy variations, 24:45128
High-density condensations in H II regions, 23:20591
Pulsars, 24:37064
MENDIS, D. Asoka Lukewarm models of the intergalactic medium, 24:32597
MENDIS, E. F. Nuclear magnetic resonance of ^{57}Fe in dilute alloys of Fe, 22:7384
MENDLOWITZ, H. Calculated line strengths for transitions in Ti II, 23:8386
Calculated transition array for the configurations $3d^2$—3d4p in Ti III, 24:1173
MENDLOWITZ, M. Tritium excretion of normotensive and hypertensive subjects, 23:7965
MENDOLA, O. Measurement of beam profile for high-intensity particles, 25:2434 (CERN-70-27)
MENDOLA, R. Nephropathy secondary to irradiation, 24:25581
Nephropathy secondary to irradiation, 25:4714
MENDOZA, A. Basic radiography. X, 24:36466
Ministry of aviation code of practice, 21:43392
Radiation safety, 25:4528
MENDOZA, B. Fission of ^{235}U with 14.8-MeV neutrons, 25:7870
Half life and formation cross section of /sup 177m/Lu, 21:25556
Low-yield products from fission of ^{232}Th, ^{235}U, and ^{238}U with 14.8-MeV neutrons, 24:6936
MENDOZA, D. Experimental otosclerosis, 24:41982
MENDOZA, E. Interfacial tension in a phase-separated ^{3}He—^{4}He mixture, 24:45191
Surface tension of liquid ^{4}He, 25:3010
MENDOZA, Eugenio E. Infrared excesses in T Tauri stars and related objects, 22:21822
MENDOZA V, Eugenio E. Spectroscopic and photometric study of T Tauri-like stars and peculiar objects, 25:24724
MENDOZA V., Eugenio E. Law of interstellar extinction in Perseus, 21:3580
MENEELY, George R. Clinical application of lung scans, 23:18064
Use of computers in measuring body electrolytes by gamma spectrometry, 22:19281
MENEFEE, J. Sodium activated cesium iodide as a gamma ray and charged particle detector, 21:32456
MENEFEE, Julious M. Scintillation component for use in radiation detection devices which are subject to wide temperature variations, 23:19964
MENEGHETTI, D. Calculational study of ^{239}Pu—U and U—^{233}Th metal, carbide, and oxide fast breeder systems, 22:47052
Depleted-uranium, nickel, and steel-reflected EBR-II critical assemblies on ZPR-3: experiments and calculations, 25:5963
Effects of resonance scattering upon multigroup cross section averaging, 25:31183
ELMOE—SNARG programs to study details of neutron spectra, 23:47317 (CNM-R-2(Vol.3), pp 1515-33)
Experiments and analyses of heterogeneous cores and neutron spectra in EBR-II critical assemblies on ZPR-3, 25:41517
Fast breeder reactor, 1000-Mw(e) metal-fueled, 21:5596 (ANL-7001)
Fine-spectral interface effects of resonance scattering upon multigroup cross-section averaging, 22:32460
Fuel properties and nuclear performance of fast reactors fueled with molten chlorides, 21:40589
Gamma-ray dose evaluations for ZPR-3/EBR-II critical assemblies, 25:6125
Resonance-scattering effects in nickel- and steel-reflected EBR-II-type systems, 24:7094
Structural-subassembly spectra, 24:33255
MENEGHETTI, David Considerations on fast-thermal reactor RB-3 at zero power, 22:50871
Sodium-void reactivity variations due to thin slab heterogeneities in fast critical assemblies, 21:35682 (ANL-7320, pp 377-85)
MENEGHETTI, J. R. Mechanical features of electron-ring compressors, 25:28118 (UCRL-20177)
MENEGHETTI, L. Differential collision cross-section measurements in the elastic scattering of light identical molecules: helium, 24:35196
Nucleation and propagation of fluxons, 23:39426
Proposition on a $e^+ + e^- \rightarrow p +$ anti p experiment to be made with Adone, 22:11828
Wide-angle electron—proton bremsstrahlung, 23:13019
MENEGHETTI-VITALE, L. Wide angle electron proton bremsstrahlung, 22:48206 (LNF-68/46)
MENEGHINI, C. Pathogenic considerations of lysosomial modifications of ionizing radiations, 22:33754
MENEGOZZI, L. Coherence properties of two-photon systems, 21:3947
MENELEY, D. A. Fast-reactor kinetics: the QX1 code, 25:51039 (ANL-7769)
Feasibility study of nuclear steam supply system using 10,000-MW, Na-cooled breeder reactor, 21:23588 (ANL-7183)
Fuel cycle analysis system, REBUS, 25:41445
Generalized formulation for fast reactor fuel cycle studies, 23:47312 (CNM-R-2(Vol.3), pp 1348-67)
Influence of neutron energy group structure on fuel cycle analysis of fast breeder reactors, 24:7136
Influence of the shape-function time derivative on spatial kinetics calculations in fast reactors, 22:33159
Integration of the multimode kinetics equations by the method of undetermined parameters, 24:7286
MACH 1 one-dimensional diffusion-theory package, 21:7627 (ANL-7223)
Quasistatic treatment of spatial reactor kinetics, 23:28609
Quasistatic treatment of spatial reactor kinetics, 24:16274 (BNL-50117, pp 192-212)
Recent developments in fast reactor kinetics, 24:31048
Response of fast reactors during Na boiling accidents, 22:53383
Sodium boiling transients in oxide-fueled fast reactors, 22:39811
Spectral effects in liquid-metal fast breeder reactor transients, 24:7344
Theoretical studies of the response of fast reactors during sodium boiling accidents, 22:5971
Theoretical studies of the response of fast reactors during sodium boiling accidents, 22:20832
Two-dimensional fast-reactor disassembly analysis with space-time kinetics, 25:57078 (CONF-710302-(Vol.1), pp 128-51)
Weighted-residual methods in space-dependent reactor dynamics, 24:24914
MENELEY, Daniel A. Zone-loaded critical experiments for fast breeders, 21:32019
MENENDEZ, M. G. Applicability of Raizer's method of calculating degree of ionization of multiply ionized ideal gas, 22:21858
Interatomic potential model for ion—atom systems including a charge-exchange contribution, 23:16667
MENERET, J. Phosphate glass for dosimetry, 21:6315
MENERET, Jean Exothermal reaction triggering device, 25:10760
Production of a ceramic coating, 24:25648
MENES, Francis Isotopic separation of alkaline and alkaline-earth elements, 24:14165 (CEA-R-3902)
Molal volumes of the isotopic homologs of ethylene, 24:50380
MENES, J. Development of ferrite core readout on the pulsed electrode of wire planes, 21:10650
Second generation wire spark chamber system, 21:16106 (CONF-660918-, pp 39-40)
MENES, Janine Columns for isotope separation by chromatography, 22:42841
Measurement of isotope effect on equilibrium during absorption of H on a Pd—Pt alloy, 21:4534
MENESTRIER, S. Pumice concrete, thermal insulator in a gas under pressure, 22:7838
MENET, J. Beta—γ circular polarization correlation nuclear matrix elements, 24:28740
Levels of ^{52}Fe from ^{54}Fe(p,t)^{52}Fe reaction, 25:25693

- MENET, J. J. H. Total reaction cross section measurements with 60-MeV protons, 23:34722
- MENET, Jacques Determination of nuclear matrix elements of the first-forbidden $2^- \rightarrow 2^+$ transition of ^{86}Rb, 21:42680 (NP-16836)
- MENETREY, W. R. Photovoltaic power systems, 22:13306
- MENETRIER, Jacques Underwater x-ray apparatus, 23:9809
- MENEZ, A. Test loop for generators of hot sodium vapor (C.G.V.S. 50 MW(th)), 25:51669 (A/CONF.49/P-812)
- MENEZES, J. Automatic range switch, 22:33683 (LFEN-NI.-30-B)
- MENG, C. I. Layer of energetic electrons near magnetopause, 24:21683
  - Variation of the magnetopause position with substorm activity, 24:32745
- MENG, C.-I Energetic electrons in magnetotail at 60 R/sub E/, 25:16938
- MENG, C.-I. Abnormally early appearance of active auroras, 21:35086
  - Abnormally early appearance of the eastward motion of auroras in the evening, 21:46263
  - Auroral activity in the evening sector, 21:46264
  - Daytime auroras and polar cap auroras, 21:35076 (CONF-670429-1)
  - Energetic electrons in plasma sheet out to 40 R/sub E/, 25:16939
  - Geomagnetic storm of April 17—18, 1965, 21:41901
  - Intense negative bays inside auroral zone. II, 21:43924
  - Intense negative bays inside the auroral zone. I, 21:46261
  - Low-latitude negative bays, 22:24190
  - Magnetospheric substorm observations near the neutral sheet, 25:43266
  - Polar magnetic substorm in the evening sector, 21:41933
  - Polar magnetic substorms, 23:10512
  - Polar magnetic substorms in the conjugate areas, 22:38924
  - Polar magnetic substorms. II, 23:42055
  - Simultaneous observations of an energetic electron event in the magnetotail. II, 25:7279
  - Simultaneous observations of an energetic electron event in the magnetotail. I, 25:7278
  - Storm sudden commencements and polar magnetic substorms, 25:56026
- MENG, Chien-hsing Diagnosis of arteriovenous fistula of the kidney, 23:6512
  - Hepatic scanning and celiac angiography in liver disease, 24:12154
  - Rapid, sequential rental blood flow scintiphotography, 23:31844
- MENG, Ching-i. Polar auroral and magnetic substorms, 23:46394
- MENG, H. C. Determination of free fatty acid by radiochemical assay, 24:4236
- MENG, Hsien Chun Setup of γ—γ coincidence spectrometer at THOR, 23:47786
- MENG, J. D. On-line real-time operation of a PDP-7 data-taking system, 21:28214 (UCRL-17220)
  - System operation of PDP-7 computers at LRL, Berkeley, 23:41136 (UCRL-18883)
- MENG, John D. Philosophical and practical standardization of computer input/output connections, 24:39403
- MENG, S. Significance and evaluation of a procedure for thyroid diagnosis, 24:9892
- MENG, S. Y. Observations of high-velocity hydrogen clouds at 21 cm, 24:35066
- MENG, Ta-chung Fermion Regge poles and relations between phase shifts in the pion—nucleon scattering, 21:11772
  - Regge pole model for isovector nucleon form factors, 21:17076
  - Regge-pole model for isospin-3/2 SPDF pion—nucleon partial-wave amplitudes, 22:24666
  - Single Regge pole model for large angle elastic p—p scattering, 23:21130
  - Single rho Regge-pole exchange model and πN charge-exchange process, 22:50393
- MENG, W. Significance and evaluation of a procedure for thyroid diagnosis, 24:9892
- MENGALDO, R. Activity of aldolase and lactate dehydrogenase in panirradiated rabbits, 22:33765
  - Behavior of mucoproteins in panirradiated rabbits, 22:28312
- MENGE, P. Existence of unknown natural α activity in 4.3 to 4.6 MeV region, 24:28815
  - Mass spectrometric determination of the isotopic ratios of Os, 24:20697
  - Paper chromatographic separation of Pt metals. I, 24:297
  - Paper chromatographic separation of Pt metals. II, 24:298
  - Solvent extraction of Ru. I, 23:49905
  - Solvent extraction of Ru. II, 23:47616
- MENGEL, John G. Advanced evolution of Population II stars. I, 25:19307
  - Advanced evolution of Population II stars. II, 25:22255
  - Early evolution of Population II stars. II, 25:9041
- MENGER, Andre Radiation chemistry of hydrocarbons. XVIII, 24:11629
  - Radiation chemistry of hydrocarbons. XVII, 24:16549
- MENGER, F. M. Low-temperature kinetics in protic solvents, 21:4516
- MENGER, J. W. Manganese determination in dairy products, 23:4556
- MENHINICK, Edward F. Radiation profiles of Acheta domesticus and Tenebrio molitor, 23:5013
  - Radiation profiles of Acheta domesticus and Tenebrio molitor, 23:20332
  - Radiation sensitivity of twelve species of arthropods, 23:38759
- MENICHETTI, Guido Shipment of irradiated fuel, 24:19188
- MENICHINI, G. Rubidium-86 single injection method for the study of the coronary circulation in man, 22:25952
- MENIERE, Jean-Marie Dissolving Pu—Al alloys, 25:6408
- MENISSIER, Pierre Heat-exchange element, 23:33302
  - Improvements in a milling machine, 23:16024
  - Spacing grid for a nuclear reactor fuel element, 25:10332
- MENKE, H. Absolute counting of thick sources by the $4\pi\beta$-γ coincidence method, 21:14467
  - Determination of decay rate of carrier-free radioactive preparations, 22:45137
  - Fission yields of iodine isotopes 131 to 135 in spontaneous fission of ^{238}U, 21:33970 (NP-tr-1555)
  - Reactivity values of strong neutron absorbers, 23:52419
- MENKE, H. H. Isotope battery with thermoelectric generator, 21:26107
- MENKE, Helmut Fission yields of I isotopes 131 to 135 in the spontaneous fission of ^{238}U, 21:5548
- MENKE, J. L. Beam current and position monitors at NBS Linac, 25:50502
  - Beam microstructure: does it affect ferrite-loaded current monitors, 25:50503
  - Fast pulse-dc integrator, 22:45361
  - Feeble field feeler, 22:4536
- MENKE, John L. Beam monitoring at the NBS Linac, 23:28163
- MENKE, Josef-Ferdinand Shielding means for protection against nuclear and other radiation, 25:52494
- MENKE, K. H. Effect of weak γ rays on growth and blood picture of chickens, 22:51979
  - Incorporation of cobalt into nucleic acids of the chick embryo, 21:8687
- MENKE, M. Gamma-p total hadronic cross sections at 7.5 GeV, 23:5518
  - Interactions γp at 5.25 GeV, 24:3502
  - Partial photoproduction cross sections up to 12 GeV, 23:5517
- MENKE, M. R. Determination of O/U ratios in UO/sub 2+-x/, 21:45015 (TID-24084)
- MENKEN, Matthew Autoimmune hemolytic anemia, acute leukemia, and carcinoma of lung, 22:49589
- MENKER, Donald F. Comparison of leak test procedures for sealed radium sources, 22:51182
  - Computer model for the prediction of the dispersion of airborne radioactive pollutants, 21:45254
  - Evaluation of the Fricke dosimeter, 24:4628
  - RADS and ARADS computer programs, 23:13882
- MENKES, B. Effect of irradiation on hen embryos, 24:27699
- MENKES, C. Synoviorthesis with radioisotopes, 22:49407
  - Synoviothesis (synoviotherapy by radioisotopes) studies of more than 400 cases and future prospects, 25:26873
- MENKES, C. K. Color films for megarad dosimetry, 21:10681 (USNRDL-TR-1097)
- MENKES, J. Measurement objective in plasma physics, 25:38403
- MENKHAUS, G. Incorporation of ^{32}P and ^{35}S in genital organs of rat, 24:41737
  - Incorporation of ^{32}P and ^{35}S in genital organs of rat, 24:41965
- MEN'KOV, A. A. Determination of traces of scandium in blood, 25:30
  - Spectrophotometric determination of small amounts of scandium and yttrium in each others presence, 25:57318
- MENLOVE, H. O. Absolute radiative capture cross section for fast neutrons in ^{238}U, 22:37373
  - Activation cross sections between 0.36 and 1.02 MeV for In isotopes, 22:14039
  - Activation cross sections for (n,2n), (n,n'), and (n,α) reactions, 22:3624
  - Application areas and results of non-destructive assay measurements, 25:20937
  - Applications of neutron interrogation to assay of fissionable material, 22:47075 (LA-DC-9848)
  - Applications of neutron interrogation to assay of fissionable material, 23:2230
  - Cross section for the delayed-neutron yield from the ^{17}O(n,p)^{17}N reaction at 14.1 MeV, 24:6834
  - Cross section for the delayed-neutron yield from ^{17}O(n,p)^{17}N, 24:22081
  - Delayed neutron kinetic response methods for nondestructive assay of reactor fuel materials, 23:24101 (LA-DC-9758)
  - Delayed neutron kinetic response methods of assay, 23:24102 (LA-DC-9759)
  - Delayed-neutron abundances and half-lives from 14.7-MeV fission, 25:5775
  - Delayed-neutron kinetic response methods of nondestructive assay, 23:2229
  - Development of techniques for active and passive assay of fissionable materials, 25:20936
  - Experience with ^{252}Cf and subthreshold neutron sources for nondestructive assay, 25:39464
  - Fast-neutron bombardment of ^{64}Ni and the decay of ^{61}Fe, 21:44630
  - Moderator investigations on ^{252}Cf for non-destructive assay of fissionable materials, 25:48727 (CONF-710402-(Vol.3), pp IV.99-104)
  - Multi-spectra irradiation technique for the nondestructive assay of fissionable materials, 23:35008
  - Multi-spectra neutron irradiation technique for the nondestructive assay of fissionable materials, 25:37570
  - Neutron capture and fission cross-section data in keV energy range, 22:35346
  - Neutron capture cross section of Au in keV energy region, 23:37250
  - Neutron interrogation techniques for fissionable material assay, 25:32176 (CONF-700541-, pp 316-47)
  - Neutron radiative capture cross sections for ^{23}Na, ^{55}Mn, ^{115}In, and ^{165}Ho in energy range 1.0 to 19.4 MeV, 22:3674
  - New measurements and renormalizations of neutron capture cross section data in the keV energy range, 22:3687 (EURFNR-404)
  - Radioactive sources for safeguards, materials management and process control, 25:51767 (LA-DC-12294)
  - Resonance self-indication technique for isotopic assay of fissile materials, 23:2228
  - Resonance self-indication technique, 23:24399
  - Resonance self-indication technique for isotopic assay of fissile materials, 23:24405 (LA-DC-9760)
  - Spin dependence of the nuclear level density by the ^{89}Y(n,γ)/sup 90g,90m/Y reactions with fast neutrons, 21:12000
  - Tailored spectra from 14 MeV sources, 23:30910 (LA-DC-9756)
  - Tailored spectra from 14-MeV neutron sources, 23:35422
- MENLOVE, Howard Olsen Fast-neutron activation across sections for ^{23}Na, ^{55}Mn, ^{115}In, and ^{165}Ho, 22:3743
- MENNELLA, R. A. Unusual 1- to 5-GHz solar radio emission of 10/29/68, 23:30272
- MENNESSIER, G. C-violation in photoproduction of pions and in proton Compton scattering, 21:7485
  - Photoproduction of eta meson between threshold and 900 MeV, 23:23333
  - Production of eta and phase shift analysis of π—nucleon scattering, 22:1404 (TH-177)
  - Resolution of the dispersion relations of photoproduction, 21:7482
  - Some remarks about covariance and equal-time commutators of quark currents, 21:7496
  - Total photoabsorption in nuclei and the value of the rho-nucleon cross-section, 25:22819
- MENNESSIER, M. O. Statistical estimates from proper motions. III, 25:22237
- MENNESSON, Robert Pneumatic extensometer, especially for a creep measuring cell, 22:23389
- MENNICKE, H. Stimulated Raman scattering in initial phase of plasma production by laser, 25:49907
  - Survey of studies of laser produced plasmas at the IPP Garching, 25:43380 (IPP-4/9)
- MENNIG, H. Repair of radiation-damaged skin defects in the face and neck region, 23:24697
- MENNIG, J. Application of Lie series to reactor theory, 21:25654
  - Application of Lie series to time dependent reactor theory, 24:16301 (BNL-50117, pp 306-21)
  - ARLEKIN: generalized reactor kinetics code using Lie-series, 21:38743 (EIR-111)
  - New method for solution of the transport equation in slab geometry, 24:49232
  - P/sub N/-theory in r-THETA-geometry, 21:29825 (EIR-115)
  - S/sub infinity/ neutron transport theory in plane geometry, 22:18093
  - S/sub infinity/ transport theory in plane geometry, 22:44574 (EIR-105)
  - Semianalytic solution of the time- and place-dependent nonlinear xenon problem, 24:18760 (EIR-164)
- MENNIGMANN, H. D. Electronmicroscopy of the anti-bacterial agent produced by E. coli 15, 21:16548
- MENNIGMANN, Horst-Dieter Inactivation of BUdR-substituted transforming DNA by uv, 21:43334
  - Nature of the inducible anti-bacterial agent of E. coli, 21:18196
  - Phage induction, filament formation, and death from lack of thymine in E. coli B, 21:24679
  - Photoreactivation of E. coli after inactivation, 25:4728
- MENNINGA, Clarence Fission of rhenium by intermediate-energy helium ions, 21:13876
- MENNRATH, P. Excited states of ^{28}Si, 24:38187
  - First excited states of ^{34}Ar, 24:38200
  - Measurement of the mean life of the 3.085-MeV level of ^{13}C, 21:19181
  - Measurements of the mean lives of the first excited states of ^{32}S, 23:52129
- MENNRATH, Pierre Doppler effect contribution to the mean lifetimes of nuclear excited states, 23:42872
  - Measurements of the mean lives of some excited states of the ^{34}Ar nucleus by Doppler effect, 24:20349
- MENON, A. Krishna Study of uv color centers in NaBr, 24:5201
  - Temperature dependence of F-center absorption in KBr and NaBr, 22:52894
- MENON, B. C. Catalysis of α—H exchange. IV, 21:25841
  - Catalysis of α-hydrogen exchange. VII, 22:8069
  - Catalysis of α-hydrogen exchange. IX, 24:9282
- MENON, D. Reconstruction theorem with external sources, 25:38778
- MENON, K. K. Radioactive ruthenium and manganese isotopes in the atmosphere, 21:6039
- MENON, K. R. Proton ligand and metal ligand stability constants of substituted salicylaldehydes, 24:2191
- MENON, M. G. K. Cosmic ray angular distribution underground at 1500 hg/cm^2 (Kolar), 22:47857
  - Cosmic ray intensities deep underground, 22:7186
  - Kolar Gold Field neutrino experiment, 24:15454 (CERN-69-28, pp 81-93)
  - Kolar gold fields neutrino experiment. I, 25:45318
  - Kolar gold fields neutrino experiment. II, 25:45319
  - Multiple muon events observed underground, 25:14060
  - Muon intensities and angular distributions deep underground, 21:18473
- MENON, M. N. Hall coefficients for Hg—Tl and Hg—In systems, 25:3209
- MENON, M. P. Activation analysis for nondestructive localization of impurities in foils, 21:10281
  - Investigations in automated activation analysis, 22:42594 (TEES-2671-6)
  - Neutron activation (14.5-MeV) cross section for some of the rare-earth nuclides and their relation to the nuclear shell structure, 21:30011
  - Nuclear activation methods for Br; pesticides in plant materials, 23:4539
  - Removal of radiosodium interference in neutron activation analysis, 21:12506

  Spectrum stripping method for the computer-coupled activation analysis of unknown samples by γ-ray spectrometry, 21:30378
MENON, N. C. Complex equilibria of UO_2^{2+} with ligands having O and N donor atoms, 23:124
MENON, Nalini B. Polynomial algebras, 25:1432
MENON, S. Reactor pressure vessels made of concrete, 25:12788
  Swedish development on prestressed concrete pressure vessels for water reactors, 25:31562 (IAEA-126, pp 213-41)
MENON, S. K. Prestressed concrete pressure vessels for water reactors, 24:26766
  Scandinavian prestressed concrete pressure vessel model project, 25:29314
  Some design aspects of BHWRS, 23:28430
MENON, Sh. Scandinavian model project. I, 25:31548 (EUR-4531, pp 507-16)
MENON, T. K. 28 H nα lines from Orion Nebula, 23:14447
  Anomalous microwave recombination line in M17, 25:7033
  Expansion motions in inner parts of Galaxy, 24:42482
  Nature of OH emission sources in galaxy, 22:11125
  Peculiar motions of neutral H in the vicinity of the Orion Nebula, 24:25859
MENON, V. J. Model for π—π scattering in $I = J = 0$, 22:41806 (SINP-TH-67-18)
  Pion phase shifts from backward pion—nucleon dispersion relations, 25:36520
MENOSSI, C. Fission product fixation in fresh water species, 25:2548
MENOTTI, P. Asymptotic behavior of form factors for some composite models, 22:50365
  Commutators near light cone, Bjorken limits, and O_4 expansion, 25:31020
  Gemel families in the Bethe—Salpeter equation and the problem of pion decoupling, 23:25606
  Gemel symmetry and superconvergence relations, 23:42700
  General properties of Regge families in the Wick—Cutkosky model, 22:48294
  Normalization of the wave function and the nonrelativistic limit in the Bethe—Salpeter equation, 25:47826
  Properties of relativistic bound states, 21:4023
  Regge families in the Wick—Cutkosky model, 23:15282
  Regge families in Wick—Cutkosky model, 24:35706
  Retardation effects and gauge transformations in Bethe—Salpeter equations, 22:35102
MENOVSKY, A. Elementary magnetic properties of some U—Ga compounds, 23:3614
  Magnetic transition points and magnetic moments in some uranium compounds, 25:47659
  Magnetic transition points in U_3Bi_4 and UGa_3, 25:59190
MENOWN, H. Compact 70MW, 250kV modulator using thyratrons, 21:38027
MENOZZI, V. Cardiac damage due to ionizing radiation, 24:806
MEN'SHIKH, O. F. Method for continuous diagnostics of the electron concentration of plasma, 22:52753
MEN'SHIKOV, A. Z. Coherent double scattering of neutrons, 25:9963
  Electronic structure and interatomic bonds in some compounds and binary alloys, 23:34010
  Incoherent multiple scattering of neutrons, 24:49687
  Integral reflection and the reflecting capability of a crystal monochromator, 23:46905
MEN'SHIKOVA, G. A. Availability of ^{91}Y in tissues to DTPA, 25:32411
  Determination of quantity of ^{91}Y removable by EDTA and DTPA, 25:32412
MEN'SHIKOVA, L. A. High temperature oxidation of zirconium diboride, 21:32162
MENSHIKOVA, T. S. Fast reactor carbide fuel elements, 24:41048 (TRG-Report-1911, pp 253-65)
  High-temperature nuclear fuel, 23:30169
  Phase diagrams of Pu with the metals of groups IIA, IVA, VIIIA, and IB, 21:32918
  Post-irradiation study of BR-5 standard fuel elements containing UC, 25:20791
  Problems of developing fuel elements for fast neutron reactors, 23:52350 (JPRS-48331, pp 462-80)
  Promising fuel compositions for uranium and plutonium carbide-based fuels for fast reactors, 25:48270
  Properties and irradiation behavior of carbide, nitride, phosphide, and other fuel compositions, 25:52468 (A/CONF.49/P-454)
  Some fuel element development problems of fast reactors, 25:48271
  Some problems in the development of fuel elements from fast reactors, 25:34355 (JPRS-53069, pp 225-35)
  Study of prospective fuel compositions based on uranium and plutonium carbide fast reactors, 25:34354 (JPRS-53069, pp 215-24)
MENSHIKOVA, Z. I. Radiosensitizing effects of methyl ethyl ketone diperoxide, 21:39448
MENSIKOVA, Z. Influence of radiotherapy of brain tumors in humans, 23:31976
MENSING, A. E. Experimental investigation of the spectral emission characteristics of argon—tungsten and argon—uranium induction heated plasmas, 23:34409 (N-69-22920)
MENSING, Arthur E. Containment experiments in vortex tubes with radial outflow and large superimposed axial flows, 21:35654 (NP-16786)
  Containment experiments in vortex tubes with radial outflow and large superimposed axial flows, 22:39861 (N-68-18243)
  Gaseous nuclear rocket fluid mechanics, 21:35655 (NP-16787)
  Open-cycle and light-bulb types of vortex-stabilized gaseous nuclear rockets, 22:44877
  Theoretical investigations of r-f induction heated plasmas, 23:34427 (N-69-22638)
MENSING, W. Mass transfer measurements on suspended droplets. I, 24:44207
MENSKII, M. B. Geometrical model of elementary particles, 23:36969
  High-frequency detection of gravitational waves, 25:46632
MENSOVICH, M. Analysis of nuclear interactions of energies greater than or equal to 10^{12} eV, 22:5597 (INR-813/VI/PH)
  Analysis of photoemulsion data on nuclear interactions at energies of greater than or equal to 10^{12} eV, 22:13269
  Coherent formation of particles in interactions of approximately 200 GeV π mesons with photoemulsion nuclei, 23:23370
MENTALL, J. E. Charge transfer of N_2^+ and O_2^+ with Na atoms, 21:31224
  Lyman-α fluorescence from photodissociation of H_2, 24:37233
  Measured extinction efficiency of graphite grains, 22:52395
MENTASTI, P. Absorption of ^{32}P by human bladder, 24:2549
MENTEL, J. Measurement of thermal conductivity of H between 2000 and 7000°K, 23:5398 (LA-tr-68-51)
  Measuring of thermal conductivity of hydrogen, 23:14753
MENTESKU, L. Problem of fuel burnup in VVR-S I.A.F. reactor during loading, 21:12244
MENTH, A. Electronic and magnetic properties of compounds of lanthanides with anions of 5th group of periodic table, 23:34501
  Magnetic and semiconducting properties of SmB_6, 23:14900
  Metal—insulator transitions of V_2O_3: magnetic susceptibility and nuclear-magnetic-resonance studies, 25:33438
  Precursor effects of superconductivity up to 35°K in layered compounds, 25:47468
  Properties of SmB_6 doped with Eu and Gd, 24:24152
  Spin scattering and magnetic ordering in EuB_6, 24:24168
  Superconducting behavior of intermetallic compounds with fluorite structure, 23:44362
  Superconductivity of Nb_3Al, 23:34354
MENTI, Walter Internal conversion and multipole radiation between excited states of some medium-weight nuclei, 22:11935
MENTKOVSKII, Yu. L. Inverse problem of the theory of charged-particle scattering, 24:8958
  Modified WKB method. II, 25:30699 (ITF-70-84-P)
  Modified WKB method. I, 24:37461 (ITF-70-11)
  Particle in nuclear—coulomb field (spectral problems), 22:16055 (ITF-67-15)
  Particle in nuclear-coulomb field, 22:24893 (ITF-67-44)
  Potential restoration by nuclear—Coulomb scattering phases, 22:1721
  Riemann method in inverse problem of scattering theory. I, 24:28823 (ITF-70-6)
  Riemann's method in inverse problem of scattering theory. II, 25:25521 (ITF-70-76-P)
MENTZ, R. M. Use of part length absorber rods in Westinghouse pressurized water reactors, 22:22867 (WCAP-7072)
MENTZEL, S. Experience of operation of atomic electric power station at Reinsberg, 25:34226 (JPRS-53069, pp 47-55)
  Operational experience with the Rheinsberg atomic power plant, 25:48162
MENTZEN, Bernard Characterisation of uranyl acetate dihydrate in the solid state, 24:29285
  Decarboxylation of Th tetraformate, 23:17416
  Influence of ^{228}Th on structural and electronic properties of ThO_2, 24:25800
  Isomorphism of acetates of Th and U(IV), 23:2279
  Nuclear magnetic resonance study of the oxalates and formates of thorium, 22:50978
  Polymorphism of anhydrous uranyl acetate. II, 24:29272
  Preparation and structure properties of a uranyl hydroxyformate, 25:2196
  Structural study of thorium tetraformate at its different degrees of hydration, 22:35787
  Study of the decarboxylation of thorium tetraformate, 24:22624 (RFP-Trans-65)
MENTZEN, Bernard F. Infrared absorption of crystalline thorium tetraformates. I. Characterization of thorium tetraformates in the solid state by infrared spectroscopy, 25:26270
  Infrared absorption of crystalline thorium tetraformates. II. Detection of polymorphic transitions by infrared spectroscopy: interpretation of the delta(OCO) vibrational mode splitting in the carboxylic group of thorium tetraformates, 25:26269
MENTZONI, M. H. Microwave diagnostics of the plasma sheath produced by slot antenna breakdown, 22:19951
MENTZONI, Michael Ionospheric G factor, 22:36858
  Propagation of elf and vlf waves below models of naturally perturbed ionospheres, 22:36857
MENY, L. Combined scanning electron microscopy and x-ray microanalysis in metallurgical nuclear applications, 24:17307 (CEA-CONF-1441)
MENY, Lucienne Nuclear fuel element and method of fabricating, 22:49804
  Nuclear fuel element, 23:8279
MENYHARD, N. Dispersion in second sound and anomalous heat conduction at the lambda point of liquid helium, 21:27103
  Entropy and specific heat of superfluid helium at the lambda point, 21:25084
  Fluctuations and lambda phase transition in liquid helium, 22:38975
  Ginzburg—Landau equations for strong-coupling superconductors, 21:3795
MENYHARD, Nora Derivation of generalized Ginzburg—Landau equations, 21:9495
  Microscopic theory of strong-coupling, anisotropic superconductors near critical temperature in magnetic field, 25:52742
MENYHERT, Z. Increasing protein content of maize by induced mutants, 25:24103
MENYUK, N. Critical magnetic properties and exchange interactions in EuO, 25:17298
  Magnetic properties of europium: pressure and impurity effects, 25:27874
  NMR and magnetization studies of $CdCr_2Se_4$, 22:26521
MENZ, W. Systematics of liquid metals and alloys. VII, 21:11222 (AERE-Trans-1060)
MENZE, D. Coulomb scattering of 1 MeV electrons in Al foils, 24:43202
MENZEL, Bruce W. Heated effluents and effects on aquatic life with emphasis on fishes, 25:48385 (NP-18852)
MENZEL, D. H. Oscillator strengths for high-level transitions in hydrogen, 22:50045
  Outer corona at eclipse of March 7th 1970, 24:37129
  Sunspots and magnetohydrodynamic flows, 23:36378
  Theory of the solar corona, 22:31559
MENZEL, David W. Prog. rpt. on cycle of organic matter in the deep sea, 6/67—5/68, 22:25552 (NYO-3862-7)
MENZEL, Dietrich Accommodation of rare gases on pure tungsten and molybdenum surfaces at room temperature, 22:2068
  Desorption, dissociation, and ionization of adsorbed particles by slow electrons, 23:3273
  Inelastic interactions of slow electrons with adsorbed particles, 23:24966
MENZEL, Donald H. Coronal polarization and intensity at Nov. 12, 1966 eclipse, 24:17560
  Determination of coronal polarization, 25:58618
  Obliteration of strong Fraunhofer lines by electron scattering in solar corona, 23:10387
  Oscillator strengths, f, for high-level transitions in H, 23:32147
  Prog. rpt. on research directed toward observation and interpretation of solar phenomena, final, 5/67—6/68, 23:16592 (AD-673911)
  Selected papers on the transfer of radiation, 21:7443
MENZEL, E. R. Absorption spectrum of Cs_2NpCl_6, 25:31949
  Absorption spectrum of Np^{4+} in single-crystal thorium oxide, 23:28817
  Dynamically induced forbidden electric-dipole transitions of Np^{4+} in ThO_2, 24:36230
  Rationale for dynamically induced forbidden electric dipole transitions of Np^{4+} in ThO_2, 25:126
MENZEL, Erhard Roland Spectroscopy of Np^{4+} in crystalline electric fields, 25:14466
MENZEL, G. Economic potential of high performance (U,Pu) carbide in an LMFBR, 24:7127
MENZEL, G. P. Heavy water organic cooled reactor, Phase B, 23:21537 (AI-CE-Memo-59)
MENZEL, Gerhart Development and evaluation of combustion engineering advanced 1000-MWe LMFBR design, 23:47161 (ANL-7520(Pt.2), pp 291-330)
  Hydraulic holddown for nuclear reactor fuel assembly, 23:9161
  Sensitivity analysis of subassembly shroud mechanical performance, 25:34364
MENZEL, H. F. Engineering tests during initial operation of Peach Bottom HTGR, 22:30148 (GA-8040)
  Engineering tests during initial operation of Peach Bottom HTGR, 22:32809
  Engineering tests during the initial operation of the Peach Bottom HTGR, 21:38503
  Peach Bottom initial power plant performance, 22:42188 (GAMD-7903)
MENZEL, H. G. Influence of anisotropic slowing-down of ^{24}Mg recoils in Na and NaCl single crystals, 24:49274
MENZEL, J. H. Active assay of fissionable materials at the Los Alamos Nondestructive Assay and Standards Laboratory, 25:48796 (CONF-710617-31)
  Field assay experience with the MONAL at National Lead Company of Ohio, 25:51769 (LA-DC-12296)
  Los Alamos Mobile Nondestructive Assay Laboratory, 25:32179 (CONF-700541-, pp 369-80)
  Mobile accelerator facility for neutron interrogation and nondestructive assay, 25:48776 (CONF-710402-(Vol.2), pp I.61-71)
  Mobile laboratory for nuclear safeguards, 25:21301
  Moderator studies for repetitively pulsed test facility, 23:8916
  Pulsed linac neutron diffraction, 22:45327
  Time dependent neutron spectra measurements in H_2O, 24:22059 (RPI-328-174)
  Time-dependent neutron spectra measurements in water, 25:5489
  Time-dependent neutron thermalization in light water, 22:32459
  Time-dependent spectra in polyethylene, 21:7670
MENZEL, Joerg Hanns Measurements of time-dependent neutron spectra in H_2O, 24:10898
MENZEL, M. T. Bethe—Salpeter solution for nucleon—nucleon scattering with pion exchange, 25:30909
  Test of Pade-approximant approach in Coulomb bound-state problem, 25:33877
MENZEL, Margaret Y. Genome relationships in Hibiscus section Furcaria, 22:6777 (ORO-3348-4)
  Prog. rpt. on chromosome structure, annual, 12/1/66—11/30/67, 22:12180 (ORO-3348-2)
MENZEL, R. C. Reduction of ^{90}Sr uptake in field crops, 23:22302
MENZEL, R. G. Reduction in plant uptake of ^{90}Sr by soil management treatments, 24:19289
  Uptake of ^{90}Sr by field crops, 22:30956
MENZEL, Ronald G. Airborne radionuclides and plants, 23:11658
  Airborne radionuclides and plants, 23:22301
  Uranium, Ra, and Th content in phosphate rocks and their possible radiation hazard, 22:21193
MENZENTSEV, A. V. Effect of dose rate of gamma-irradiation on frequency of somatic mutations affecting tuber color in potato, 25:39821
MENZIES, D. C. Theoretical studies on the fast reactor maximum accident, 21:7989

Windscale on-line computing system, 23:41162
MENZIES, I. A. Anodic behavior of Zn—Cd binary alloys, 24:51135
Oxidation of U-based ceramics, 21:24822
Scaling and intergranular oxidation of an Fe—Ni alloy in CO_2 at 700 to 1000°C, 22:43538
MENZIES, J. A. Effect of irradiation on potatoes and vegetables, 23:41525
Variability in CO_2 oxidation resistance of $2^1/_4$ Cr 1 Mo and 1 Cr $^1/_2$ Mo steels, 22:17074
MENZIES, J. W. Globular cluster NGC 362, 21:24868
MENZIMER, D. Dual-spectrometer system for high-efficiency imaging of multi-gamma-emitting nuclides, 24:23003
MENZINGER, F. Corrections to magnon dispersion relations, 25:3218
Inelastic magnetic scattering from $RbMnF_3$ in neighborhood of Neel point, 22:24818
MENZINGER, M. Electronic excitation of K atoms in collisions with diatomic molecules, 24:42534
MENZINGER, Michael Beam studies of energy dependence of hot-atom reactions, 22:2784
Beam studies of the energy dependence of hot-hydrogen-atom reactions with cyclohexane, 23:24270
High intensity, low energy spread ion source for chemical accelerators, 23:10877
Recoil-tritium reactions in the solid phase: absolute yields and phase effects, 22:27758
MENZINGER, Michael Adolph Beam studies of the energy dependence of hot hydrogen reactions, 23:11542
MENZIONE, A. Neutral decay modes of ω^0-meson, 24:3649
S-wave $\pi\pi$-scattering from the reaction $\pi^-p \rightarrow n\pi^0\pi^0$ at 1.77 GeV/c, 24:3534
MERAIKIB, M. Raw coal gasification with nuclear heat, 24:36073
MERARD, R. Thermoelectronic converters for reactors, 23:45089
MERBACH, A. Specific determination by atomic absorption of K, Rb, and Cs in their mixtures, 23:17326
MERCADO, A. Radioisotope tracers in large-scale recharge studies of groundwater, 22:19067
MERCADO, A. L. 1000-MWe LMFBR accident analysis and safety system design study. Candidate emergency decay heat removal systems. Topical report, 25:28732 (BAW-1351)
MERCADO, G. Effect of velocity-dependent forces on the bremsstrahlung cross section, 23:42597
MERCADO, Nelson Leaf growth, survival, holes, cambium, and terminal bud condition, 25:21940 (TID-24270, pp D.271-86)
Radionuclide cycling in understory plants in the rain forest, 25:21552 (TID-24270, pp H.205-9)
MERCADO ESCUTIA, Gilberto Bremsstrahlung cross section of nuclear photoeffect using sum rules, 22:27236 (NP-17348)
MERCEA, I. Isotope-exchange reaction studies in a once-through fluid column, 23:28992
Once-through dual-temperature laboratory plant for isotope separation, 23:38187
MERCEA, Judith Interferometric determination of small amounts of D_2O and H_2O, 23:28707
Interferometric determination of small quantities of D_2O and H_2O, 25:28929
MERCEA, V. Consideration of processes in separation columns from point of view of approach to equilibrium, 21:30512
Cyclotronic mass spectrometer with non-accelerating synchronous ion, 21:28300 (IFA-IS-41)
Cyclotronic mass spectrometer with non-accelerated synchronous ion, 22:40491
Experimental installation for isotopic separation of ^{15}N by isotopic exchange between NO and NO_2 and HNO_3, 22:47210
Isotope-exchange reaction studies in a once-through fluid column, 23:28992
Isotopic exchange reaction of oxygen in the CO_2—NiO/Ni system, 22:21058
Multimodulated cyclotron mass spectrometer with alternating pulses, 21:10692 (IFA-IS-38)
Multimodulated cyclotron mass spectrometer with alternating pulses, 23:11916
New aspects and possibilities of stable isotope analysis, 21:1289
Once-through dual-temperature laboratory plant for isotope separation, 23:38187
The separation of isotopes in dual-temperature systems with open circuits, 21:40980
MERCEA, Victor Continuous column in separation of deuterium using H_2—H_2O isotope exchange, 22:50993 (IFA-IS-52)
Methods of isotope separation. II, 23:7625
MERCER, A. Leakage from a ruptured containment after accidental depressurisation of a gas cooled reactor, 25:57106
MERCER, B. W. Cesium purification by zeolite ion exchange, 24:2294
Fixation of radioactive wastes in soil and salt cakes with organic polymers, 25:44439 (BNWL-1220)
Ion exchange equilibria of trace ^{137}Cs and ^{90}Sr in multicomponent systems, 21:23813 (BNWL-SA-1173)
Ion exchange treatment of B Plant process condensate, 25:21077 (BNWL-1544)
Removal of ^{137}Cs from alkaline condensate wastes, 23:13810 (BNWL-829)
Treatment of waste solidification condensates, 22:47201 (BNWL-723)
Unidirectional Cs loading, scrubbing, and elution of AW500 zeolite columns, 22:37828 (BNWL-732)
MERCER, D. J. Thorium fuel cycle for a BeO Pebble-bed reactor, 21:1195
MERCER, E. E. Prog. rpt. on chemistry of Ru complexes, annual, 1969, 24:18836 (ORO-3542-7)
Prog. rpt. on the chemistry of Ru complexes, annual, 1967, 22:12181 (ORO-3542-2)
MERCER, E. R. Analytical methods, 21:43402
Effect of lime and cultivation on ^{90}Sr in herbage, 22:51404
Estimation of changes in water status of soils under field conditions from attenuation of β radiation by water held in absorbent nylon pads, 22:48938
Use of 8-hydroxyquinoline for separation of ^{90}Y in determination of ^{90}Sr in biological materials, 21:2943
MERCER, Edward E. Prog. rpt. on chemistry of ruthenium complexes, annual, 1970, 25:18301 (ORO-3542-8)
MERCER, George Nield Excitation processes in the argon ion laser, 22:41711
MERCER, J. B. Atmospheric ionization permits analysis of cosmic showers by the radar method, 24:23840
MERCER, J. W. Inventory of wells and springs within a 10-mile radius of Project Gasbuggy, Rio Arriba County, N. Mex, 23:9535 (PNE-G-25)
MERCER, Jerry W. Hydrology of Project Gasbuggy site, 24:19084 (PNE-1013)
MERCER, P. D. Nucleation and growth of silver films deposited on mica substrates in ultra-high vacuum, 22:43607
MERCER, R. Coherent production of Q and L mesons of deuterium, 22:34857
$K\pi$ scattering phase shifts determined from the reactions $K^+p \rightarrow K^+\pi^-\Delta$ and $K^+p \rightarrow K^0\pi^0\Delta$, 25:56486
MERCER, Robert Allen $K^+\pi^-$ scattering and related effects in reaction $K^+p \rightarrow K^+\pi^-\Delta^{++}$ at 5.43 GeV/c, 25:17381
MERCER, Robert L. Diffusional deposition from a fluid flowing radially between concentric, parallel, circular plates, 25:13123
MERCER, T. T. Air sampling problems associated with the proposed lung model, 21:32640 (CONF-661018, pp 87-97)
Deposition of unattached radon decay products in an impactor stage, 23:33573
Diffusional deposition from a fluid flowing radially between concentric, parallel, circular plates, 25:13123
Measurement of ^{212}Pb loss rate from human lungs, 24:34064
Measurement of ^{212}Pb loss rate from human lungs, 24:36696
Role of particle size in the dissolution of lung burdens, 22:28465
MERCER, W. A. Distribution of strontium and calcium in vegetable and fruit crops, 22:28521
Strontium and calcium distribution in vegetable and fruit crops and criteria for use of fallout-contaminated foods, 22:38225
MERCEREAU, J. E. Ac and dc potentials in superconducting phase-slip structures, 25:19610
Current noise in weak superconductors, 25:38309
Phase fluctuations in superconductors, 23:42173
Quantum phase correlation in small superconductors, 21:18546
MERCEREAU, James E. Macroscopic quantum phenomena, 23:27556
MERCHANT, Ann E. Abundance of Li in early M-type stars, 21:16770
MERCHANT, B. Inhibition of graft-versus-host reaction, 22:40530
MERCHANT, R. W. Electron microprobe analysis of thin corrosion films, 25:44266 (KAPL-3482)
MERCHANT, Virginia A. Feeding by caeculid mites on fungus demonstrated with radioactive tracers, 25:42242
MERCHENT, G. M. Fearfulness in the control and irradiated rat, 22:10862
MERCHES, I. Bernoulli equation in relativistic magnetohydrodynamics, 23:22976
Poynting's theorem for moving conductor medium, 23:16700
MERCHES, Ioan Variational principle in magnetohydrodynamics, 23:48802
MERCHEZ, F. Assembly for the detection and identification of charged particles, 24:29518
Excitation of 0^- level at 3.56 MeV in ^6Li by (p,p) scattering at 14 to 16 MeV, 23:23632
Study of elastic and inelastic scattering of 14-MeV neutrons by ^6Li, ^7Li, and ^9Be nuclei, 21:4230
System for data acquisition and processing in real time, 23:47896
Telescope with semiconductors for simultaneous study of (n,p), (n,d), and (n,t) reactions at 14 MeV, 21:45366 (LYCEN-6738, pp 201-4)
MERCHIE, F. Economic aspects of ^{235}U consumption in swimming-pool reactors, 21:19471 (NP-16450)
SILOE: calculation of pressure drop in ^{33}Si fork-type control rods, 21:23723 (NP-16621)
Thermal study of power increase in Siloe, 21:21766 (NP-16497)
Use of SILOE reactor in promoting nuclear techniques co-operation with other countries, 25:54183 (A/CONF.49/P-591)
Utilization of the 15 MW research reactor SILOE, 23:47257 (CNM-R-2(Vol.3), pp 1274-86)
MERCHIE, G. Comparison of two radioisotropic techniques in brain diseases, 24:34502
Conference on radioisotopes in the diagnosis of diseases of the kidneys and the urinary tract, Liege, 6/67, 24:34443
Contribution of radioisotope techniques to renal surgery, 23:50718
Diagnostic value of radiologic and isotopic methods associated with cystometry, 24:17097
Radionuclides in the diagnosis of diseases of the kidneys and the urinary tract, 24:34431
MERCIER, Andre Unification of physical theories, 23:12994
MERCIER, C. Equilibrium, stability, and diffusion of toroidal plasma of non-circular cross section, 25:38475 (CONF-710607-83)
Fabrication of clad U—Pu alloy rods, 21:11203
Furnace for fabrication of U—Pu alloys, 21:3466 (EURAEC-1521)
Sources of type III solar bursts observed at 169 MHz, 24:37094
Space—time evolution of a plasma subjected to a discharge current, 25:56162 (CEA-CONF-1801)
Space—time evolution of Tokamak-type plasma, 25:3052 (CEA-CONF-1595)
Spatial-time evolution of a plasma submitted to a discharge current, 25:38412 (CONF-710607-30)
MERCIER, Claude Properties of thin-β toroidal plasmas, 23:16806 (CEA-CONF-1005)
Safety—criticality: recommendations concerning the furnaces for fissile material reprocessing, 24:41385 (CEA-N-1260)
Striker operating, temperature-measuring and agitating system for a controlled-atmosphere induction furnace, 23:2488
MERCIER, E. Properties of toroidal plasmas with finite β, 23:32427
MERCIER, Ferdinand-Jerome Local fallout and animal food chain, 22:19297 (CEA-R-3306)
MERCIER, Jacques Improvements to calorimetric methods for determining radioactive gases, 25:37286
Use of extra-renal purification methods in the treatment of tritiated water contamination, 24:39496 (CEA-R-3974)
MERCIER, Jean-Pierre Solar modulation of cosmic electrons, 24:3203 (CEA-R-3815)
MERCIER, R. G. Gamma irradiation to extend postharvest life of fruits and vegetables, 22:23696
MERCIER, R. P. A dispersion formula for potential scattering, 21:21305
Construction of the local field in the dielectric and plasma states, 24:12821
MERCIER, Roch Shell-model calculation with reaction matrix elements, 23:37110
MERCIER, Roch Edouard Shell model with reaction matrices and pairing correlations, 25:56666
MERCIEZ, W. Darrel Permeation of halogenated solvents through Drybox gloves, 25:34605 (RFP-1608)
MERCINY, E. Dissociation constants of double complexes of type MeY_2H/sub n//sup (3-n)/$^-$, 25:57537
Separation of Am from Cm, 23:38039
Separation of americium and curium on ion exchangers by hydroxyethylenediaminetetraacetic acid. III, 22:12415
Separation of lanthanides and actinides on ion exchangers by hydroxyethylenediaminetriacetic acid. II, 21:15988
Separation of lanthanides and actinides on ion exchangers using hydroxyethylenediaminetriacetic acid. IV, 22:37870
Separation of lanthanides and of trivalent actinides on ion exchangers by hydroxyethylenediaminetriacetic acid, 22:33500
MERCK, W. F. H. Boundary-layer development in an MHD duct, 25:38196
Boundary-layer development in an MHD duct, 25:43201
MERCKX, K. R. Design criteria for Zircaloy-2 pressure tubing, 22:17154
Effects of irradiation on the structure and properties of stainless steel, 23:5084 (BNWL-SA-1876)
Evaluation of a model for predicting fast-reactor fuel-pin deformations, 24:38551
Mechanical consequences of hypothetical core disruptive accidents, 25:54206 (HEDL-TME-71-50)
Models for reactor fuel elements, 23:24039
Prediction system for fast reactor fuel pin deformations, 24:7122
Program for calculating the steady-state deformation rates for cylindrical fuel elements, 22:25125 (BNWL-663)
SINTER: program for calculating radial temperature distributions in oxide fuel pins undergoing sintering, 24:12453 (BNWL-1241)
Unfolding particle size distributions, 21:30991 (BNWL-210)
MERCKX, Kenneth R. Axial expansion of cermet rods during reactor transients, 21:8110
Impact of irradiation-damage studies on design criteria for pressure tubing and fuel-element cladding, 21:38679
The computer: neglected tool of the materials specialist, 21:38768
MERCOLA, Karen Properties of iodoinsulin labelled with I, 22:36224
MERCURIO, Jean-Pierre Electronic structure of some hexaborides of the CaB_6 type, 25:14463
Specific heat at low temperature for several CaB_6 type hexaborides, 24:3020
MERDINGER, J. C. Lifetime measurements for excited states in ^{33}S, 24:38194
Lifetime of excited state at 472 keV in ^{43}Sc, 22:42028
Lifetimes by Doppler shift using solid and gaseous stopping media, 23:49336
Lifetimes in ^{17}O, ^{39}K, and ^{41}Ca by particle-γ coincidence technique, 23:28247
Time resolution of a particle—gamma coincidence circuit, 23:47750
MERDINGER, Jean-Claude Parity of excited level at 3.786 keV in ^{30}Si, 22:29961
MERDINIAN, G. K. Klystrons for Stanford Linear Accelerator Center, 21:2545 (SLAC-PUB-208)
MERDINIAN, George K. Klystrons for Stanford Linear Accelerator Center, 21:4148 (SLAC-PUB-228)
Klystrons for the Stanford Linear Accelerator Center, 22:35190
MEREDITH, B. L. Spectral observations of Jupiter, 24:17621
MEREDITH, G. R. Two-quasiparticle states of ^{82}Kr populated in the decay of /sup 82g/Br, 24:26616
MEREDITH, Gerald L. Decays of ^{56}Co and ^{66}Ga, 25:31287
MEREDITH, J. O. Atomic mass determinations. II, 23:20067
MEREDITH, Jesse H. Gastric blood flow measurement by Tc clearance, 23:38648
MEREDITH, John L. Experimental comparison of fallout field simulation techniques, 25:13117 (AD-711532)

- MEREDITH, K. E. G. Embrittlement of nickel base alloys containing aluminium and chromium as used for thermocouple materials, 21:14861
- MEREDITH, Keith Edward George Improvements in or relating to fuel elements for nuclear reactors, 21:30313
- MEREDITH, O. M. Current studies with AET and serotonin for protection against particulate radiation injury, 21:26490
- MEREDITH, R. Autosomal translocations causing male sterility and viable aneuploidy in the mouse, 21:10841
- MEREDITH, W. J. Defence of use of concept C/sub lambda/ for determination of high energy photon dose, 25:39870
  - Fundamental physics of radiology, 23:38635
  - Radium dosage: Manchester System. II, 22:45550
- MEREDITH BROWN, D. E. Body contour for radiotherapy, 25:21788
- MERELLI, A. Several techniques for programing work, Casaccia 1967, 24:9152 (RT/GEN-(69)1(Vol.2))
  - Several techniques for programming work, Casaccia, 1967. III, 24:52853 (RT/GEN-(70)1)
- MEREN, Eiichiro Analysis (n,γ) of human blood, 22:12259
- MERENKOV, N. P. Reactions with formation of two resonances in case of peripheral pp and γp interactions, 23:51954
- MERENYI, G. Device for remotely dosing radioactive liquids, 23:43266
- MERETSKII, A. M. Investigation of the kinetics of oxygen isotopic exchange between water and carbon dioxide in the presence of soluble additives, 25:54549
- MEREWETHER, D. E. Thin-wire circular loop antennas of arbitrary size, 24:43907 (SC-RR-70-433)
- MEREWETHER, David E. Transient pulse transmission using impedance loaded cylindrical antennas, 23:17824 (SC-CR-68-3547)
- MEREZHKIN, V. G. Studies of diffusion of dense decaying plasma in a stellarator, 25:1163 (NP-18502)
  - Studies of diffusion of dense disintegrating plasma in a stellarator, 25:30462 (NP-18767)
- MERGELYAN, O. S. Field of a charged particle moving over a periodic dielectric structure, 25:36360
  - Field of a point charge in a gyrotropic dielectric, 21:44219
  - Field of charge entering into gyrotropic ferromagnetic medium, 23:27769
  - Radiation of charge in gyrotropic dielectric, 23:46568
- MERGEN, F. Effect of ionizing radiation on megasporogenesis in Pinus rigida mill, 21:30802
- MERGEN, Francois Effect of ionizing radiation on forest trees, 24:44627
  - Evaluation of spontaneous, chemical, and radiation-induced mutations in Pinaceae, 21:6725
  - Prog. rpt. on effect of ionizing radiation on forest trees, final, 1961—66, 21:28669 (YALE-2755-17)
- MERGEN, Franscois Radiation-induced damage in vegetative tissues of P. rigida mill, 22:40955
- MERGENHAGEN, S. E. Interactions of the complement system with LPS, 24:25397
- MERGENTALER, Jan Sunspots in the year 1969, 25:16711
- MERGER, F. Mechanism of the radiation-chemical hydroxylation of 4-nitrophenol aqueous solutions, 21:3119
- MERGER, Franz Radiochemical hydroxylation of substituted phenols, 22:14536
- MERGERTH, F. H. Design and fabrication of special assembly SA-1, 25:44120 (GEAP-10355)
- MERGES, V. Isotope generator Tristan for terrestrial applications, 24:19177
- MERGLER, H. W. Digital computer control of a remote manipulator, 21:34375
- MERIADEC, B. Chemical consequences of (n,γ) reaction in K ferrocyanide, 25:34663
  - Chemical effects of thermal neutron capture in potassium ferrocyanure, 23:2362
- MERIADEC VERNIER DE BYANS, Brigitte Recoil species produced by potassium ferrocyanide neutron irradiation, 24:11547 (CEA-R-3872)
- MERIAKRI, V. V. Device for diagnostics of plasma, 25:43345
- MERIALDI, A. Angiographic aspects after irradiation of the pelvic region, 23:38859
  - Radiation sickness of unusual severity in a hypersensitive subject, 21:10946
- MERICLE, L. W. Cytological consequences of proembryo irradiation, 23:45955
  - Induced somatic mutations for interpreting floral development and inflorescence aging, 23:43721 (COO-1400-25)
  - Induced somatic mutations for interpreting floral development, 24:41845
  - Mutation induction as influenced by developmental stage and age, 23:10120
  - Nuclear DNA complement in young proembryos of barley, 25:13405
  - Somatic mutations for flower color in Tradescantia, 22:17010
- MERICLE, R. P. Cytological consequences of proembryo irradiation, 23:45955
  - Induced somatic mutations for interpreting floral development and inflorescence aging, 23:43721 (COO-1400-25)
  - Mutation induction as influenced by developmental stage and age, 23:10120
  - Nuclear DNA complement in young proembryos of barley, 25:13405
  - Somatic mutations for flower color in Tradescantia, 22:17010
- MERICLE, Rae P. Induced somatic mutations for interpreting floral development, 24:41845
- MERIDIES, R. Ureteral injuries after obstetric—gynecologic intervention and radiation, 25:26814
  - Urologic management of injuries to the bladder after gynecologic radiotherapy, 25:26813
- MERIEL, P. Neutron-diffraction study of $DyAlO_3$, 22:26465
  - Study of Ho_2C by neutron diffraction, 21:13273 (LA-tr-66-84)
- MERIEL, Yves Isotopic generators, 22:33615
  - Neutrography: technique for the examination of materials by their transparency to neutrons, 23:538
  - Promises and disadvantages of Th, second natural nuclear fuel, 22:12150
- MERIGAN, T. C. Effect of interferon on course of spontaneous and radiation-induced renal lesions in RF/Un mouse, 25:21866
- MERING, J. Kinetic studies of the oxidation of graphitizable carbons by liquid media, 21:3530 (GA-tr-6049)
- MERINGDAL, J. Accumulation and excretion of ^{224}Ra (Th X) during treatment of ankylosing spondylitis, 25:11231
  - Measurement of the adsorption characteristics of various filters for gaseous iodine, 21:1317 (JUL-363-ST)
  - Results of whole-body counting and excretion measurements following acute incorporation of ^{124}Sb, 24:36748 (JUL-603-ST, pp 175-85)
- MERINIS, J. Study of the migration of radioelements in a tube with a temperature gradient, 21:43198
  - Volatilization of chlorides of cis- and transuranium elements in a tube with a temperature gradient, 24:25059
  - Volatilization of Pa pentachloride and separation of Th—Pa, 21:8419
- MERINIS, Jean Migration of radioelements in a tube, 24:2285
  - Preparation of ^{234}Pa(UZ) and /sup 234m/Pa(UX2) sources with high specific activity, 21:23934
- MERINO, J. L. Spanish radioactive lignites: uranium nature and solubilization, 21:32282 (AEC-tr-6851)
  - Spanish radioactive lignites; nature and solubility of U, 22:18896
  - Static leaching of Spanish U ores, 21:32281 (AEC-tr-6850)
  - Static leaching of Spanish U ores, 22:18897
  - Use of Pachuca tanks in hydrometallurgy, 22:10936
- MERINO, R. Water level regulator for a steam generator in a marine reactor power plant, 24:9157 (RT/ING-(69)4)
- MERISOV, B. A. Thermal conductivity of some metals and alloys at 4.2 to 273°K, 21:34904
- MERITE, Bernard Inspection device for RW 330 computer near CABRI reactor, 24:46082 (CEA-N-1274)
- MERITET, L. Coherent scattering of pions and protons on ^{4}He, ^{3}He, ^{3}H at about 1 GeV, 25:17700
- MERITS, Ilmar Rapid loss of labeled DNA from rat brain due to radiation damage, 23:29377
- MERIWETHER Rapid monitoring of tritium and ^{14}C in urine, 22:28494
- MERIWETHER, H. T. Isotope dilution assay for dexamethasone in pharmaceutical preparations, 22:40035
- MERIWETHER, J. R. Scattering of alpha-particles by ^{55}Mn, 23:32919
- MERIWETHER, J. W. Jr. Characteristics of a visual aurora following a solar flare, 24:35256
  - Correlation of a solar flare with a visual aurora, 23:27294 (N-69-15692)
- MERIWETHER, John Williams Emission structure of active auroras, 25:16968
- MERK, Irene Fallout in rain, dust, and soil and its absorption in plants, 21:22407 (EIR-103)
- MERK, Linda Poole Cheek pouch of thymectomized, irradiated hamsters, 25:16328
- MERK, W. Safety features of 300 MWe Na cooled fast breeder reactor (Na2), 21:46848 (EURFNR-368)
  - Safety features of 300-MWe Na-cooled fast breeder reactor, 22:53360
- MERKEL, B. Charged-pion electroproduction on light nuclei, 21:4200
  - High resolution beam hodoscope using multiwire proportional chambers, 25:29370 (LAL-1246)
  - High resolution beam hodoscope using multiwire proportional chambers, 25:44690
  - Photodisintegration of ^{6}Li at high energy, 21:7696
  - Photodisintegration of deuteron from 140 to 400 MeV, 22:24520
- MERKEL, Frederick K. Irradiated heterotopic segmental canine pancreatic allografts, 22:43260
- MERKEL, G. $Al(\alpha,\alpha')Al^*$ compound-nucleus reactions, 25:12422
  - Electron straggling measurements for Be, Al, and Au at 4.0 and 8.0 MeV, 24:19716
  - Experimental electron shielding studies, 22:36961 (N-68-10702)
  - Influence of angular momentum on the decay of the ^{60}Ni compound nucleus, 22:53150
  - Transport of electrons through thick targets, 21:37520
- MERKEL, G. T. X-ray apparatus with three-electrode tube, 23:11903
- MERKEL, J. G. Ellipsoidal yield function for materials that can both dilate and compact inelastically, 24:44798
- MERKEL, M. A. Accumulation factors in reflecting radiation for counters with different lower power levels, 21:309
- MERKEL, P. Electron ring experiments in Garching, 24:35787
- MERKEL, Paul B. Energy loss spectra of low-energy electrons scattered from thin solid molecular films, 25:52891
  - Fluorescence and phosphorescence produced by electron-ion recombination in 3-methylpentane at 77°K, 25:134
- MERKELIJN, J. K. Galaxy identifications from Parkes 2700-MHz survey, 24:51370
- MERKELIJN, Jeannette Identification of radio sources between declinations +27° and -30°, 22:15294
- MERKELIJN, Jeannette K. Determination of luminosity function of radio galaxies at 400 and 2700 MHz, 25:58644
  - Identifications for 67 radio sources, 22:47734
  - Identifications of 75 radio sources, 23:6823
  - Parkes 2700-MHz survey: catalogues for -+4° declination zone and selected regions, 25:47250
- MERKELO, H. Evidence of low-binding-energy electrons in a low-temperature helium afterglow, 22:48099
- MERKELO, Henry Electron scattering cross section in a dense H plasma, 21:46172
- MERKER, E. A. Formation of secondary particles in IHEP accelerator, 24:30608 (CERN-Trans-70-2)
- MERKER, H. J. Effects of ionizing radiation on activity and localization of acid phosphatase in rat testes, 22:33774
- MERKER, L. G. Comparative costs of oxide fuel elements, 22:18581 (BNWL-273(Vol.2))
  - Design of equipment and facilities, 22:8201
  - Plutonium laboratory decontamination experience, 22:2320 (BNWL-464)
- MERKER, Milton Solar-cycle modulation of fast neutrons in the atmosphere, 25:14064
- MERKIN, E. N. Extraction of U and Th by monocarboxylic acids, 22:42839
  - Extraction of U, Th, and associated elements by monocarboxylic acids, 21:17722
- MERKINA, T. N. Effect of ionizing radiation on the excretion of radioprotectors in rats' urine, 25:42671
  - Effect of ionizing radiation on the passage of radioprotectors with the urine in rats, 25:44755
- MERKLE, Emery J. Comparison of modified Kjeldahl and vacuum fusion technique for determination of N in Ta alloys, 25:28937
- MERKLE, J. G. Analytical basis for notch sharpening by fatigue, 25:42843 (CONF-710512-10)
  - Engineering approach to multiaxial plasticity, 21:34190 (ORNL-4138)
  - Fracture behavior investigations under the Heavy Section Steel Technology Program, 24:25235
  - Gross strain crack tolerance of steels, 25:55514
  - Interpretations of the drop weight test in terms of strain tolerance (gross strain) and fracture mechanics, 25:42847 (ORNL-TM-3247)
  - Strength of steel containment shells, 21:2843
- MERKLE, K. Changes in the ultraviolet fluorescence intensity of irradiated cells under conditions of a total absorption of exciting irradiation, 23:31651
- MERKLE, K. L. Displacement cascades in Au, 24:14827
  - Energetic displacement cascades in gold, 22:21739
  - Energy dependence of fission-fragment damage in gold films, 21:11266
  - Influence of channelling on damage in heavy-particle irradiation of gold, 24:42800
  - Low-temperature charged-particle irradiation of thin metal films, 22:31934 (BNL-50083, pp 359-72)
  - Radiation damage in thin metal films at 4.2°K, 21:37620
  - Radiation-induced point defect clusters in Cu and Au. I, 21:2293
- MERKLE, T. C. New approaches in reactor technology, 22:27425
- MERKLE, Theodore C. Effects of 5-fluorouracil on normal sheep, 21:30768 (UCRL-50242)
- MERKLEY, M. S. Effects of low level irradiation upon the preservation of food products. Annual report, April 15, 1968—June 30, 1969, 24:51117 (ORO-677)
  - Prog. rpt. on effects of low level irradiation upon preservation of food products, annual, 4/15/66—4/14/67, 23:50964 (ORO-3097-8)
  - Prog. rpt. on effects of low level irradiation upon the preservation of food products, annual, 4/15/67—4/14/68, 24:51116 (ORO-675)
- MERKLEY, Margaret S. Effects of storage temperatures and irradiation on the quality of Florida-90 strawberries, 21:28706
  - Irradiation inactivation of brown rot infections on peaches, 23:3008
  - Organoleptic quality of irradiated peaches, 22:52118
- MERKOVA, M. A. Diagnosis of radiation injury of spinal cord, 24:23389
  - Gamma-therapy of tumors of the hypophysis, 21:39494
  - Radiation reactions of the nervous system in irradiation of tumors of the head, 25:55269
- MERKT, Josef Carbon-14 dating of lacustrine sediments and calibration of ^{14}C time scale, 25:21171
- MERKULENKO, V. E. Dynamics of the rise of a sunspot magnetic field into the corona and some resonance properties of coronal active regions, 21:28898
- MERKUL'EV, A. N. Some physical properties of vanadium, 25:32710
- MERKULOV, A. G. Kinetics of solid-phase synthesis of zircon during sintering under pressure, 25:42940
- MERKULOV, A. S. Effects of biologically active substances, isolated from liver of irradiated rats, on synthesis of DNA in HeLa cells, 23:35843
  - Effects of radiotoxins on synthesis of nuclear RNA and protein in HeLa cells, 23:50367
  - Effects of radiotoxins on the development of sea urchin embryos, 24:9917
  - Formation of plant radiotoxins, 24:27611
  - Radiotoxins in the livers of γ irradiated rats, 24:17142
  - Water-soluble radiotoxins as factor inducing development of phage in E. coli, 23:50938
- MERKULOV, L. A. Acceleration of electrons to 30 MeV in microtron with rectangular resonators, 22:9738
  - Electron-beam shaping in a linear induction accelerator, 25:14856 (UCRL-Trans-1425)
  - Investigation of the screened earth magnetic field by using the inductor permalloy core of the linear induction accelerator, 23:42037 (JINR-P9-4498)
- MERKULOV, V. A. Mechanism of joint formation in the solid-state welding of Nb/Al oxide composites, 23:27023
- MERKULOV, V. I. Penetration of magnetic field of circular polarization on plasmic cylinder stability, 21:46380
  - Random thermoelastic stresses walls caused by temperature fluctuation, 21:16067
- MERKULOVA, K. I. Absolute age of the Aralian Sea, figured out from unbalanced U, 21:25978
  - Comparative rate of oxidation of ^{234}U and ^{238}U atoms in certain minerals, 22:27665

  Possible control of ^{234}U and ^{238}U atom separation by way of an external oxidation of U contained in natural compounds, 23:17538
  Separation of isotopes of U during their leaching from minerals, 22:45203
  Uranium-234/^{238}U-ratio in waters and bottom sediments of the Aral Sea and the absolute age of the basin, 21:10452
MERKULOVA, V. S. Measurement of x radiation with IFK-2.3M cassetes, 23:2840
MERKUR'EV, S. P. Coordinate asymptotics of the three-particle wave function, 25:53370
  Relation between the third virial coefficient and the scattering matrix, 25:12287
  Third virial coefficient for Bose—Einstein and Fermi—Dirac statistics and scattering matrices, 25:33862
MERKUS, F. W. H. M. Thin-layer chromatography in inorganic analysis, 24:25107
MERKUSHEV, G. N. Parallels between the incorporation of ^{144}Ce and its biological action, 24:9930
  Regeneration in liver after internal irradiation, 25:35221
MERKUSHEVA, S. A. Cerium(IV), thorium(IV), and U(IV) hexathiocyanic chromate complexes with amidopyrine, antipyrine, pyridine, and dimethyl formamide, 23:6121
  Pyrophosphates of Th and U(IV), 22:27691
  Solubility of basic dicarboxylate salts of Ce(IV), Th(IV), and U(IV), 23:13736
  Stability of complexes of thorium and uranium(IV) with anions of dicarboxylic acids, 24:38839
  Uranium(IV) hexamethylenediaminetetraacetate, 24:13821
MERKWITZ, J. Modular coding systems, 25:44186 (EACRP-A-135, pp 60-2)
MERKWITZ, Juergen Radiation sensitivity of bacteriophage DNA. I, 23:47973
MERLA, M. Fission cross section measurement on ^{233}U, 24:40625
  Fission-cross-section measurement of ^{233}U, 25:15082
  Spark chamber fission fragment detector, 23:6304 (EUR-4077)
MERLE, Andree A method of inhibiting the corrosion of graphite in nuclear reactors, 21:18310
MERLE, G. Some results of computations concerning the influence of bending field errors on resonant extraction, 24:28648 (NP-18225)
MERLE, Gerard Photon fluence measurements relative to a bremsstrahlung, 23:43514 (CEA-R-3739)
MERLE, J. P. Hybrid method for spatial dynamic analysis, 25:6179
  Hybrid program for solving the space—time dependent diffusion equation in four energy groups, 25:1870 (CEA-CONF-1582)
MERLE, J.-P. Heat problems encountered in research on packaging, 21:30667
MERLE, Jean-Pierre Blowing loop in EL 4 reactor: CO_2 flow control analog study. I, 21:5604 (CEA-R-2793)
MERLE, P. Case of consecutive osseous sarcoma from repeated irradiations, 23:2969
MERLI, E. Chronobiodosimetric considerations on some cases of cutaneous radionecrosis, 21:28560
  Chronobiodosimetric findings on the roentgen therapy of recurrences of mammary tumor, 22:2522
  Control of overpressure in two-loop pressurized organic-cooled nuclear reactor, 22:20869
  Heat supply to a desalination unit, 23:49621
MERLIN, H. B. Candu reactor and Canada's economy, 22:35416 (AECL-3083)
  CANDU Reactor and Canada's economy, 23:4158
  Energy consumption: its growth and pattern, 23:37459
  Energy consumption: its growth and pattern, 23:45045 (AECL-3293)
  Energy consumption: its growth and pattern, 24:45896
  Review of 1965 forecast of installed nuclear capacity, 1970—85, 21:30083 (AECL-2875)
MERLIN, J. Analysis of stress-deformation in graphite, 25:749
  Application of internal friction to the study of graphitization, 25:4870
  Heat production from interior friction in irradiated graphites, 23:30145
  Internal friction of carbons and graphites, 24:25777 (CEA-CONF-1490)
  Internal friction of graphites, 22:8836
MERLIN, Jean-Claude Separation in the Zr—Hf system, 23:49925
MERLINI, A. Absolute intensities of x rays diffracted in anomalous transmission through nearly perfect copper crystals, 22:3200
  Debye temperature of UC, 24:6650
  Determination of thermal diffuse scattering in silicon crystal by means of Moessbauer effect, 24:10644
  Effect of temperature on the anomalous transmission of x rays in germanium, 21:29382
  Forbidden (222) reflection in Ge and Si, 21:2292
  Research activities of the solid state physics laboratory of the Joint Research Center, EURATOM, Ispra, 21:24859
MERLINI, C. Radiation injury in dentistry, 23:24753
  Voids, friction, and vibrations associated with localized boiling, 23:47688 (AERE-Trans-1114)
MERLINI, Cesare Nuclear plants for the production of energy and the purification of water, 22:48661
MERLINI, M. Behavior of radiocobalt in artificial ecosystem irrigated by submersion, 24:31887 (CEA-CONF-1431)
  Transport of radiocobalt in artificial ecosystem, 25:2549
MERLINI, Margaret Activation analysis of an aquatic ecosystem, 23:4576
  Determination of elements in microplankton by activation analysis, 24:162
  Distribution of ^{60}Co in fish, 25:2526
  Radiocobalt transfer in continental aquatic and irrigated ecosystems, 25:32392 (CEA-R-4157)
  Radiotracer technique for the study in vivo of the biological pathway of heavy metals in aquatic organisms, 25:32350
  Trace element analysis of aquatic organisms, 25:15540
  Trends in the concentration of heavy metals in organism of a mesotrophic lake as determined by activation analysis, 25:31883
  Uptake and excretion of radiocobalt by a freshwater mollusc, 25:29441
MERLINI, Richard J. Gas—metal arc braze welding of ingot-sheet beryllium, 24:10017 (RFP-1333)
MERLIVAT, L. Applications of stable and radioactive isotopes in hydrology and sedimentology, 25:51613 (A/CONF.49/P-634)
  Problems associated with the quantitative study of lake balance by means of the concentrations of deuterium and ^{18}O in the water, 25:6423 (CEA-CONF-1538)
MERLIVAT, Liliane Isotopic examination at depth of Antarctic glacier, 22:18942
MERLO, F. CrB-type equiatomic compounds of europium, ytterbium, and alkaline earth metals with Si, Ge, Sn, Pb, 22:2593
  Intermetallic zinc—rare earth compounds with ratios of approximately 1/4, 25:32730
  Rare-earth intermediate phases with zinc, 25:2753
MERLO, Franco Compounds of formula M_5X_3 formed from rare earths with Sn, 21:16622
  Crystal structure of rare earth—lead compounds, 24:14781
MERLO, J. P. Parameters A and R in π^{+-}—p scattering at 5 to 18 GeV/c, 23:23375
MERLO-FLORES, J. Effect of ^{60}Co γ rays on high-resistivity p-type Si, 21:3933
MERLOS, R. Theoretical energy paradox in Lorentz—Dirac—Wheeler—Feynman—Rohrlich electrodynamics, 23:34558
MERMAGEN, H. Effects of whole- or partial-body 1000 kVp x-irradiation on bone marrow of dog. I, 23:31947
  Effects of whole- or partial-body 1000 kVp x-irradiation on bone marrow of dog. II, 23:31946
  Importance of beagle size on response to whole body x-irradiation, 21:16475
  Intramedullary dose measurements in the beagle following whole-body 1000-kVp x irradiation, 22:38280
  Iron-59 uptake in bones of rats exposed to x irradiation, 25:35211
  Measuring average neutron energies and dose rates around 20-MeV Van de Graaf accelerator with multi-sphere detector by Block—Shon technique, 22:47384 (UR-49-894)
  Relationship between effective-energy and RAD/R conversion factors in heterogeneous photon-energy fields, 22:30873
  Thermoluminescent microdosimetry system for the measurement of photon quality, 22:25678
MERMAGEN, Herbert Evaluation of rem responding neutron detector, 22:19101 (UR-49-903)
  Whole- and partial-body dosimetry of rat exposed to 250 kVp x-irradiation, 22:28476
MERMAN, A. M. Pulmonary changes after radiation treatment in patients with cancer of the mammary gland, 23:22431
  X radiotherapy of acute inflammatory lesions, 24:17052
MERMAZ, M. Analogue states in Pb isotopes, 21:25524
MERMAZ, M. C. Deuteron interactions in the D/sub $^5/_2$/ subshell, 24:43251
  Deuteron-induced studies on the equilibrium shape and particle and hole states in ^{28}Si, 22:27018
  Evidence for the 2p—1t states in ^{17}O by the double stripping reaction on ^{15}N, 25:17754
  Intensity of (2p—1t) component in excited states of ^{17}O, 24:3850 (CEA-CONF-1333)
  Investigation of (2p-1t) of ^{29}Si by means of reaction ^{27}Al(^{3}He,p)^{29}Si, 24:3877 (CEA-CONF-1334)
  Low-lying many-quasiparticle states in nickel isotopes, 24:35844
  Proton-pair correlation in Ti and Cr low-lying excited states, 25:36709
  Reaction (d,t) on ^{28}Si, ^{32}S, and ^{36}Ar, 24:38168
  Shapes of ^{28}Si, ^{32}S, and ^{36}Ar via deuteron scattering, 24:15848
MERMAZ, Michel Reactions ^{27}Al(d,p)^{28}Al, ^{24}Mg(d,p)^{25}Mg, and ^{24}Mg(d,α)^{22}Na, 22:3642 (CEA-R-3078)
MERMIKIDES, M. E. Production Ω^- in 10 GeV/c K^-p interactions, 23:30719
MERMIN, N. D. Absence of anomalous averages in systems of finite nonzero thickness or cross section, 24:3287
  Condensation of the rotating two-dimensional ideal Bose gas, 24:30303
  Exact lower bounds for some equilibrium properties of a classical one-component plasma, 22:39110
  Fermi-liquid effects in magnetoplasma modes in alkali metals, 22:24328
MERMOD, R. Interference between K/sub L/° and K/sub S/° in K/sub μ/$_3$ decay mode, 21:21164
  Two-pion decay of the long-lived K^0 at 10.7 GeV/c, 22:7431
MEROLA, L. O. Biochemical changes in microwave cataracts, 21:18125
MEROLA, Lorenzo O. Rate of potassium exchange of galactosemic rat lenses, 21:47004 (CONF-670805-2)
MERONEY, Robert N. Prog. rpt. on gaseous plume diffusion about isolated structures of simple geometry, annual, 6/14/69—6/14/70, 24:29390 (COO-2053-1)
MEROT, J. Hot-liner pressure vessel, 22:44831 (ORNL-tr-1966-d)
MEROT, J. P. An original solution: the hot-wall vessel, 23:2147
  BWR prestressed concrete pressure vessels, 25:31551 (EUR-4531, pp 615-45)
  Containment structure with heated walls, 23:28533
MEROT, Jean Paul Prestressed concrete pressure vessels for a 250 Mw(e) heavy water moderated and carbon dioxide cooled reactor, 22:1790
MERRA, S. Prog. rpt. on series VII solar energy thermionic converter development program, final, 2/64, 21:43849 (N-67-25755)
  Solar energy thermionic program, 23:16688 (N-68-31407)
MERRELL, L. J. Methodology for analysis of fatigue in solder joints, 25:51333 (SC-RR-710326)
MERRELL, Theodore R. Jr. Marine fishery resources in the vicinity of Amchitka Island, Alaska, 25:49130
MERREN, Thomas Oliver Mass spectrometers having adjustable beam defining slits, 25:46658
MERRER, P. Measuring head for x-ray fluorescence analysis, 24:16916 (EUR-4399)
MERRER, R. J. Amperometric titration of submillinormal concentrations of Ce(IV) with Hg(I) perchlorate, 25:37287
MERRER, Robert J. Biamperometric titration of hexacyanoferrate(III), Fe(III), Cu(II), Ce(IV), and I, 25:18346
MERRETT, D. J. Boilers for advanced gas cooled reactors, 23:28481
  Design of fuel pins for the Mark III gas cooled reactor (HTR) system, 25:54088 (A/CONF.49/P-495)
  Design of liquid hydrogen cold neutron fource for 6H hole in DIDO, 22:13894 (AERE-M-1690)
  Experimental techniques for in-pile irradiation experiments, 22:12117
  Fuel design for homogeneous low enriched HTR, 24:50112 (CONF-700401-, pp 518-46)
  Safety aspects of irradiation experiments, 22:12135
MERRETT, Dennis John Improvements in nuclear reactors, 23:43111
  Improvements in or relating to nuclear reactors, 22:18617
MERRETT, K. W. Chalk River Nuclear Labs. respirator program, 23:16330
MERRIAM, George R. Relative biologic effectiveness of gamma and x radiation, 22:40854
MERRIAM, George R. Jr. Influence of anesthesia on radiation effect, 23:2927
  Relative radiosensitivity of lens, 23:50869
MERRIAM, M. F. Density of electronic states in α-phase In alloys containing Cd and Sn, 25:3205 (UCRL-19681)
  Superconductivity and phase diagrams, 25:38319
  Superconductivity in the alloy system indium—thallium, 21:15074
MERRIAM, Marshal F. Superconducting materials, 23:18545
MERRIAM, Richard L. Liquid metal heat-transfer experiment and its relation to recent theory, 22:28003
MERRIAM, Virginia Pyrimidine dimer formation in uv irradiated TMV-RNA, 21:28400
MERRICK, H. F. Electron microscope investigation of the high-temperature embrittlement of irradiated stainless steels, 21:13222
MERRIGAN, J. A. A radiochemical experiment in gas chromatography, 21:5978
  Effect of moderators on isomeric-transition-induced reaction of ^{82}Br with methane, 21:17697
  Effects of deuteration and heavy atom additives on scintillation lifetime of p-terphenyl, 24:27087
  Scintillation decay spectrometer for resolving subnanosecond lifetimes, 25:18696
MERRIGAN, Joseph A. Nature of (n,γ) and (I.T.)-activated Br reactions in liquid isomers of hexane, 21:4584
MERRIGAN, Joseph Andrew Reactions of Br activated by (n,γ) and (I.T.) processes in C tetrachloride and the C_6—alkanes, 21:24058
MERRILL, C. C. Electrorefining yttrium, 21:36074 (BM-RI-7018)
MERRILL, D. Baryon exchange in $K^-p \rightarrow \Lambda\omega$ and $K^-n \rightarrow \Sigma\omega$ at 3 GeV/c, 25:1423
  Baryon exchange in reactions $K^-n \rightarrow Y\pi^-$ at 3 GeV/c, 25:19917
  Cross sections of final states produced in anti KN interactions at 3 GeV/c, 24:51977
  Experimental study of two-body and quasi-two-body reactions in K^-n interactions at 3 GeV/c, 25:59291
  Reaction $K^-n \rightarrow Y_0^*(1520)\pi^-$ at 3 GeV/c, 23:13041
  Search for a negatively charged meson near 960 MeV, 22:29635
MERRILL, D. W. Forward scattering in two-body reactions involving $^1/_2{}^+$ baryons and 0^- mesons, 23:34602
  Search for Σ(1616) in K^-d interactions at 3 GeV/c, 24:15482
  Search for Σ(1616) in K^-d interactions at 3 GeV/c, 24:49334
MERRILL, Dean W. Properties of the Ξ^- and the Ξ^* (1817) from K^-p interactions above 1.7 GeV/c, 22:22320
MERRILL, Deane W. Production and decay of cascade hyperons, 23:25530
  Some properties of Ξ^- and Ξ^0 hyperons produced in K^-p interactions between 1.05 and 1.7 GeV/c, 21:18908 (UCRL-11529)
MERRILL, Deane Whitney Jr. Decay properties of the Ξ hyperon and Ξ^* resonances, 21:29431 (UCRL-16455)
  Decay properties of the Ξ hyperon and Ξ^* resonances, 22:15669
MERRILL, E. T. ALTHAEA: one-dimensional two-group diffusion code with an effective four-group burnup, 25:36862 (BNWL-462)
  Factors affecting the optimum fuel cycle, 25:10233 (BNWL-SA-3605)
  Methods of planning generating unit operation, 25:18068
  Production costs for ^{239}Pu in a PWR, 23:37532
MERRILL, J. J. N_2 and N^+_2 emissions induced in N_2 target by 20- to 100-keV H^+ and H impact, 24:8348
  Optical emissions of O, N, and N—O mixtures stimulated by 20- to 100-keV protons, 21:20755

MERRILL, J. R. Subharmonic structure in Pb—Pb superconducting tunneling, 23:48840
MERRILL, James A. Investigation of certain physical and mechanical properties of wood-plastic combinations, 23:48583 (ORO-638)
MERRILL, John P. Effective renal plasma flow in man, 21:20260
Modification of renal allograft rejection in man, 23:38728
MERRILL, John R. Inexpensive, easily wound, superconducting magnet, 24:14136
Magnetic field calculations for thick solenoids, 25:9393
MERRILL, K.-M. Observations of infrared radiation from cool stars, 25:16652
MERRILL, M. Gas-cooled reactor experimental excursion test, 21:5686 (GA-6178(Suppl.1))
Gas-cooled reactor experimental excursion test, 21:5685 (GA-6178)
Physics performance of the Peach Bottom HTGR, 21:44834 (GA-8117)
Reactivity coefficient measurements in Peach Bottom, 21:12134 (GAMD-7355)
Zero power noise analysis and rod scram transient measurements in Peach Bottom, 21:12137 (GAMD-7359)
MERRILL, M. D. ^{60}Co teletherapy of localized prostatic carcinoma: a 10-year experience, 25:44864
MERRILL, M. H. BLOOST-6: a kinetics code containing a thermodynamic model of coated particles for HTGR applications, 21:46965 (GAMD-8119)
BLOOST-6: combined reactor kinetics-heat transfer program, 22:22689 (GA-8416)
Evaluation of neutron kinetics model used in design of Fort St. Vrain nuclear generating station, 22:9999 (GAMD-7374)
Isothermal temperature coefficient measurement in Peach Bottom, 21:12136 (GAMD-7358)
Nuclear transients in reactors with packed beds of coated particles, 21:35576 (GAMD-7547)
Physics performance of the Peach Bottom HTGR, 21:35626
Temperature coefficient calculations for Peach Bottom, 21:12135 (GAMD-7357)
MERRILL, Meldon H. GAKIT: one dimensional multigroup kinetics code with temperature feedback, 23:13413 (GA-8576)
MERRILL, N. H. Acceptance calculations for Australian EN HVEC tandem accelerator, 25:20137
Acceptance calculations for model EN tandem accelerator, 25:25545 (ANU-P-506)
MERRILL, Peter S. Thermoelectric generator, 22:38847
MERRILL, R. G. Ionospheric electron content at midlatitudes, 23:44332
MERRILL, R. P. Scattering of atomic He and molecular D beams from Pt (111) surfaces characterized by LEED, 24:48998
MERRILL, Robert H. Dynamic and static response of government oil shale mine at Rifle, Colo., to RULISON event, 24:29415 (USBM-1001)
MERRILL, Robert P. Scattering of deuterium molecular beams from graphite overgrowths on platinum crystals, 25:16753
Scattering of rare gases (He, Ne, Ar, Kr, and Xe) from Pt (111) surfaces, 25:11683
Use of molecular beams in the study of catalytic surfaces, 24:29262
MERRIMAN, Daniel Calefaction of a river, 24:28883
Does industrial calefaction jeopardize the ecosystem of a long tidal river, 24:45912 (CONF-700810-26)
MERRIMAN, Edmund Alan Superplastic deformation in a eutectic alloy of cadmium and zinc, 24:42092 (COO-1198-683)
Superplastic deformation in a eutectic alloy of cadmium and zinc, 25:16451
MERRIMAN, F. C. Inclusion of two-dimensional spectral effects in few-group cell calculations, 24:7272
Inclusion of two-dimensional spectral effects in few-group cell calculations, 24:18763 (KAPL-P-3869)
MERRIMAN, J. R. Concentration and collection of Kr and Xe, 23:29124
Concentration and collection of krypton and xenon by selective absorption in fluorocarbon solvents, 22:42814 (K-L-6198)
Engineering-scale studies of boronseparation, 22:25458 (K-L-6120)
Experimental investigation of the removal of krypton and xenon from contaminated gas streams by selective absorption in fluorocarbon solvents: Phase I completion report, 24:41390 (K-1780)
Fluoride volatility plant for reprocessing light water reactor fuels, 23:7597 (K-1759)
Oak Ridge Gaseous Diffusion Plant fuel reprocessing program, 23:6198 (K-L-6223)
Preparation of unusual refractory powders by flame processes, 21:32843 (K-L-6156)
Preparation of unusual refractory powders by flame processes, 22:6965
Prog. rpt. on absorption process for concentration and collection of Kr and Xe, 7/67, 22:8253 (K-1725)
Prog. rpt. on absorption process for concentration and collection of Kr and Xe, 7—12/67, 22:45144 (K-1745)
Prog. rpt. on an absorption process for the concentration and collection of Kr and Xe, semiannual, 7—12/68, 24:25209 (K-1786)
Prog. rpt. on engineering development of absorption process for concentration and collection of Kr and Xe, 1—6/68, 23:19827 (K-1770)
Prog. rpt. on engineering development of absorption process for concentration and collection of Kr and Xe, 1—6/69, 24:20848 (K-1787)
Prog. rpt. on removal of impurities from UF_6, annual, 1966, 21:32226 (K-1713)
Removal of impurities from uranium hexafluoride by selective sorption techniques, 22:4240
Removal of impurities from uranium hexafluoride by selective sorption techniques, 22:4233 (K-L-6167-9)
Removal of radioactive krypton and xenon from contaminated off-gas streams, 25:215 (K-L-6257)
Vapometallurgy: present technology and some future aspects, 21:32841 (K-L-6130-2)
MERRIMAN, Sandra H. Computer program for calculating, tabulating, and plotting outgassing rates of selected gases, 25:19195 (ORNL-TM-3220)
Computer program for inversion of Laplace transform, 24:50287 (ORNL-4604)
Program for computing partial pressures from residual gas analyzer data, 25:51363 (ORNL-TM-3455)
MERRISON, A. W. Design and use of large electron synchrotrons, 25:38820
High-energy booster for an electron synchrotron, 22:32329 (CEAL-2000, pp A76-8)
NINA: the 4 GeV electron synchrotron of the science research council, 21:42498
Physics with large cyclotrons, 21:19101
MERRIT, Janet S. Thermal neutron activation cross section of ^{59}Co, 22:53160
MERRITT, Charles Jr. Volatile compounds induced by irradiation in basic food substances, 22:8673
Volatile compounds produced by irradiation of butterfat, 21:36777
MERRITT, David L. Interaction of plasma cloud with magnetosphere, 21:29136
MERRITT, Earl Patient exposure during dental radiography, 25:46854
MERRITT, J. Casting Formvar films on water, 21:14459
MERRITT, J. A. Rotational analysis of 3200-A absorption bands of pyrazine-^{15}N vapor, 21:35969
Spectra observed from the laser plume in normal and malignant tissue of rodents: a preliminary report, 21:30770
MERRITT, J. S. Internal conversion electron spectrum from ^{227}Th, 24:47648
MERRITT, James A. Synthesis and properties of difluorodithiophosphoric acids, HPS_2F_2 and DPS_2F_2, 23:2280
MERRITT, Janet S. 121.2 keV γ ray in decay of ^{147}Pm, 24:26670
Gravimetric sampling in the standardization of solutions of radionuclides, 21:27884 (AECL-2679)
Response of 4π proportional counters to γ rays, 22:14770
Thermal-neutron capture cross section of deuterium, 21:25429
MERRITT, Lynne L. Jr. X-ray diffraction, 22:25356
MERRITT, M. L. Ground motion predictions for Amchitka, 25:57602 (SC-RR-69-376)
MERRITT, Melvin L. Ground shock and water pressures from Milrow, 25:48612
Physical and biological effects: Milrow Event, 25:15802 (NVO-79)
MERRITT, Robert C. Extractive metallurgy of uranium, 25:44456
MERRITT, W. E. Data acquisition from simultaneous experiments using the MSU Sigma-7 computer, 24:13217 (COO-1779-20)
Michigan State Univ. Cyclotron Computer Facility, 24:8767 (CONF-690301-, pp 312-20)
MERRITT, W. F. Experiences with ground disposal at Chalk River, 22:16797
Further studies of dilution in Winnipeg River near WNRE, 23:21921 (AECL-3256)
Monitoring of radioactive noble gases in air, 21:43053 (AECL-2696)
Perch Lake evaporation study, 24:44090 (AECL-3557)
Permanent disposal by burial of highly radioactive wastes incorporated into glass, 22:16814
Techniques of groundwater tracing using radionuclides, 21:36140
MERROW, William J. Elastic scattering of 1.33-MeV photons from Pb and U, 24:24604
MERRY, M. W. J. Particle influx and winter anomaly in midlatitude lower ionosphere, 24:37332
Seasonal variation of electron densities below 100 km at midlatitudes. IV, 25:27512
MERSHAD, E. A. Crush strength apparatus with a photocell detection unit, 21:32040
Gamma pulse height determination of ^{238}Pu in solid wastes, 23:13656
MERSKI, K. Annealing of Hall-mobility changes in electron-irradiated Ge, 22:1301
Pulsed electron beam Van de Graaff accelerator, 21:21321 (INR-764/II, III/E)
MERSKI, Kazimierz Pulsed electron beam Van de Graaff accelerator, 21:37979
MERSOL, S. A. Microhardness anisotropy, slip, and twinning in Mo_2C single crystals, 21:3553
Phase relationships and defect structure in dimolybdenum carbide, 23:6754
Selected problems in the analysis of refractory materials, 23:6677
Sintering study of AL_2O_3 and ZrO_2 submicron particles by electron microscopy, 22:31497
MERSOL, Stanley A. Conference on anisotropy in single-crystal refractory compounds, Dayton, Ohio, 6/67. II, 23:6631
Conference on anisotropy in single-crystal refractory compounds, Dayton, Ohio, 6/67, 23:6712
MERSON, Ya. I. Ionospheric layers in the infrared region of the spectrum, 21:9404
MERTE, H. Boiling heat-transfer data at low heat flux, 21:39122
MERTE, H.-J. Problems of industrial medicine in ophthalmology. I and II, 25:27051
MERTE, Hanns-Juergen Occupational radiation damage to the eye, 23:16331
MERTEN, D. Accuracy control in low-level measurements, 23:12118
Analytical quality control and milk contamination survey, 21:395
Determination of mercury and bromine in flour, 25:8588
Fallout removal from green fodders and effect of feed supplements on milk contamination, 24:44472
Food and radiation protection, 22:8543
Quality control analytical methods in the international frame, 21:2995
Radiotherapy of Hodgkin's disease. I, 25:44867
Reliability of analytical data for assessing environmental contamination by radioactive material, 24:7785
MERTEN, G. Measurement of pressure distribution in pebble bed, 23:37482 (EUR-4190, pp 491-504)
Pebble-bed mechanics. I, II, III, 25:46240 (EUR-4335)
MERTENS, B. J-dependence in l = 2 (^{3}He,α) reactions on ^{24}Mg, ^{28}Si, and ^{30}Si, 25:3637
j-dependence in l = 2 (^{3}He,d) reactions on ^{24}Mg, ^{28}Si, and ^{30}Si, 25:12479
Optical-model analysis for ^{3}He scattering from some light nuclei in the energy range 18 to 20 MeV, 23:1843
MERTENS, Franz-Georg Phonons and librons in solid hydrogen and deuterium, 25:44261 (JUL-734-FF)
MERTENS, G. Neutron polarization from reaction ^{3}H(d,n)^{4}He at 70°(lab.) at deuteron energies below 2 MeV, 23:1780
Polarization of 15.85-MeV neutrons scattered by C, 22:5773
MERTENS, Gerulf Use of the carbon recoil method for the asymmetry measurement of neutrons elastically and inelastically scattered from carbon, 22:35224
MERTENS, J. Beta decay anisotropy and NMR of ^{114}In, 23:44917
Nuclear magnetic moment of ^{110}Ag(T/sub $^1/_2$/ = 24.4s), 24:1829
Relaxation phenomena and NMR of ^{114}In, 25:43894
MERTENS, P. Nuclear recoil in solids and knockout effect, 25:48564
MERTENS, Peter Investigations on knockout effect: layer thickness dependence and collision cascades, 25:38976 (HMI-B-105)
MERTIN, Wilhelm Crystal structure of M-Nb_2O_5, 24:32504
New observations in the system TiO_2—Ta_2O_5, 24:32505
MERTINS, H. Calculation of region-dependent thermal neutron spectra by Monte Carlo code MEGMOC, 22:37618
Multigroup Monte Carlo program for the calculation of the stationary neutron distribution in heterogeneous lattices, 21:29846
MERTINS, J. Shielding measurements in Rheinsberg Nuclear Power Plant, 24:13508
Shielding measurements in the Rheinsberg Nuclear Power Plant, 24:20476 (ORNL-tr-2289)
MERTL, F. Influence of chelating agents on the excretion and the behavior of mercury in acute mercury poisoning, 21:16294
Problem of the relation between the amount of dust and radioactive aerosols in atmosphere, 21:41028
MERTS, V. Use of atomic energy in East Germany, 24:43634
MERTSALOVA, V. E. Electrolysis of Mo(VI) with Hg cathode in the presence of Ni and Co, 24:39009
MERTSCHING, Arno Recrystallizing behavior of reactor-pure iodide zirconium, 23:16491
MERTVICHENKO, E. F. Kinetics and mechanism of radiochemical and photochemical grafting of acrylonitrile to polyamide fibers, 22:14543
MERTZ, Marvin Clark Elastic scattering of protons by ^{24}Mg, 22:50577
MERWITZ, O. Kinetics of radioinduced hydrogen abstraction from thymine, 22:33384
Kinetics of radioinduced hydrogen cleavage from uracil, 22:45446
MERY, A. M. Utilization of hemopoietic heterochimeras for the revelation of a leukemogenic virus, 23:47985
MERY, J. Management of solid wastes at the Cadarache Center, 25:21361
MERZ, Alfred Properties and uses of high-melting hard materials, 24:46789
MERZ, D. Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. I, 21:7044 (BMwF-FBK-66-28(Pt.1))
Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. II, 21:27029 (BMwF-FBK-66-29(Pt.2))
MERZ, E. Alpha-spectrometric isotope abundance analysis of uranium using semiconductor detectors, 24:16440 (EUR-4329)
Alpha-spectrometric isotopic frequency analysis of uranium, 21:20
Aqueous reprocessing of thorium-containing nuclear fuel elements, 23:38061
Behavior of fission cesium in graphite-containing fuel elements, 25:35567
Bond rupture and secondary reactions in diphenyltellurium by (n,γ) process and isomeric transitions, 21:17673
Comparison of highly enriched and low-enriched uranium fuel cycles in high temperature reactors, 25:54131 (A/CONF.49/P-389)
Decay of ^{180}Ta, 24:52567 (ORNL-tr-2294)
Decay of ^{180}Ta. II, 24:28780 (ORNL-tr-2226)
Decomposition of coated nuclear fuel particles in oxidizing alkali salt melts, 22:33515
Decomposition of the graphite matrix by Cs metal, 22:33514
Design of a pilot plant for reprocessing of HTGR fuels, 25:39585
Determination of the fission products distribution in coated fuel particles, 22:39998
Development of a process for reprocessing graphitic feed and breed elements by chlorination, 25:243
Disintegration of graphite by the formation of electrolytic graphite intercalation compounds, 25:246
Distribution of U(VI) and Th between alkali nitrate solutions and tri-n-butyl phosphate—kerosene, 21:32239
Energy accumulation in solid bodies through nuclear radiation by storage of highly radioactive scrap, 25:54969 (JUL-766-CT)
Fission product decontamination by uranium volatilization with sulfur hexafluoride, 22:33545
Fluorination of Pa, 23:11497

- Fluorination of protactinium, 24:41248 (ORNL-tr-2350)
- Nuclear fuel reprocessing. II, 24:16648
- Radiometric isotopic analysis of ^{233}U—^{235}U mixtures, 21:27899
- Release of fissionable material and fission products from nuclear fuels and sintered microspheres at high temperature, 23:9352 (EUR-4059)
- Reprocessing of irradiated nuclear fuels and breeder materials from thorium reactors, 22:48909
- Separation properties of Th—U fuels, 23:38042
- Trace impurities in reactor graphite, 25:45155 (EUR-4334)

MERZ, Erich Method of treating coated-particle nuclear-reactor fuels, 23:4731

MERZ, H. Density of states for transition metals. I, 22:17747
- Density of states for transition metals. II, 22:34783
- Density of states for transition metals. II, 23:12960 (SC-T-69-1003)
- Electronic density of states and crystal structure in IVA transition metals, 25:5187
- Position of lanthanum and lutetium in the periodic table, 22:6295

MERZ, J. L. Charge conversion of irradiated rare-earth ions in calcium fluoride, 21:15917 (NP-16611)
- Charge conversion of irradiated rare earth ions in Ca fluoride. I, 21:44182
- Charge conversion of rare earth ions in CaF_2. II, 21:44181
- Implantation of Bi into GaP. II, 25:19846
- Ion implantation of Bi into GaP. I, 25:19845
- Photoluminescence of ion-implanted oxygen in ZnTe, 25:30657
- Photoluminescence of oxygen in ZnTe introduced by ion implantation, 23:51801
- Use of semiconductors doped with isoelectronic traps in scintillation counting, 22:40428

MERZ, L. Comments on determinism and statistics in reactor safety, 25:3896
- Control of nuclear power plants, 22:53314
- Instrumentation and control of large nuclear power stations, 23:1983
- Investigation of various control concepts for pressurized water reactors with self-pressurization, 24:52864
- Philosophy of reactor safeguards, 24:20594
- Problems with the measurement and control technology equipment for nuclear power plants, 24:38397

MERZ, M. D. Deformation of plutonium allotropes, 25:11389
- Effect of strain rate and temperature on the tensile properties of Pu—1 wt percent Ga alloys, 25:55427 (BNWL-1567)
- Influence of grain size on the hardness of alpha plutonium, 25:35465
- Recrystallization of alpha-plutonium by extrusion, 24:14751

MERZ, R. Lanthanide oxalates and some of their derivatives, 25:51469 (CONF-711001-(Vol.1), pp 330-42)

MERZ, T. Actinomycin D: inhibition of chromosomal repair in human lymphocytes, 23:22254
- Does hydroxyurea inhibit chromosome repair in cultured human lymphocytes, 24:12045
- Repair time of chromosome breaks, 24:2627

MERZ, Timothy Changes in marrow cell cycle time following deposition of ^{45}Ca, 23:50840
- Chromosomal rejoining in absence of unscheduled DNA synthesis, 25:26724
- Comparison of unscheduled DNA synthesis, D_0, cell recovery, and chromosome number in x-irradiated mammalian cell lines, 25:52182
- Effects of prenatal x-ray exposure on later reproductive performance, 23:45933
- Marrow cell injury following ^{45}Ca uptake in bone, 22:51937
- Marrow cell injury following ^{45}Ca uptake, 23:50841
- Radiation injury, 22:49535
- Radiosensitivity and repair time, 23:38540
- Sex ratio of children born to mothers who had been exposed to x rays in utero, 23:20404
- X-radiation damage to the hypoxic core, 23:33844

MERZ, Wilfried Annealing of quenched-in vacancies in Al—Zn alloys, 24:53056 (ORNL-tr-2375)

MERZAGORA, N. Device for thermal and electrical ionization of alkali vapors in noble gas atmosphere, 24:39909 (RT/FI-(69)48)
- Source of polarized protons for the Milan AVF cyclotron, 21:21348

MERZBACHER, E. X-ray production in L and M subshells, 21:2032

MERZBACHER, Eugen Angular distribution of fast electrons ejected from K and L shells by proton impact, 24:17692
- Energy and angular momentum distribution of electrons emitted from K and L shells by proton impact, 23:8460
- Matrix methods in quantum mechanics, 22:46291
- Quantum mechanics, 24:18050

MERZEL, J. Uptake of labeled amino acids by skin of children, 23:50706

MERZLIKIN, G. V. Application of water-moderated and cooled reactors in small nuclear power plants, 23:31219

MERZON, G. I. Primary specific ionization of relativistic particles in gases, 23:32174
- Relativistic increase and plateau of track density in bubble chambers, 21:24197
- Relativistic increase in track density in propane bubble chambers, 23:45550
- Relativistic increase of ionization and sensitivity of nuclear emulsions, 25:34937 (CERN-Trans-71-9)
- Relativistic rise of track density in bubble chambers and polarization effect, 21:16120 (CONF-660918-, pp 140-4)
- Simulation $K_1^0 \rightarrow 3\pi^0$ and $K_2^0 \rightarrow \pi^+\pi^-\pi^0$ in a bubble chamber by means of the Monte-Carlo method, 21:2439
- Spark chamber filled with neon together with admixtures of ethanol and water vapors, 21:30703 (ANL-Trans-426)
- Wide-gap spark chamber filled with neon and ethanol or water vapors, 21:39234

MES, H. Monte-Carlo calculation of antiprotons annihilating (at rest) in nuclei, using isobar model, 25:25460
- New technique for nuclear emulsion studies: inclined stages, 23:43546

MES, Hans Annihilation (anti pp) into pions, 22:24642

MESAROVIC, M. M. Evaluation of safety problems in water-cooled reactors, 24:36053

MESAROVIC, Miodrag Design criteria for engineered safeguards in BHWR's, 24:20584
- Thermal and hydraulic characteristics of BHW type reactors, 24:20563

MESCHAN, I. Adult bronchopulmonary dysplasia, 23:33893
- Quantification of glomerular filtration for each kidney simultaneously by a radioisotopic technique employing meglumine diatrizoate-^{131}I, 23:45824
- Statistical relationship of brain scans, cervicocranial dynamic studies, and cerebral arteriograms, 25:55281

MESCHER, David Whole-body retention and tissue distribution of ^{67}Cu in rats, 23:35601 (ORAU-107, pp 237-41)
- Zinc-65 partition during and after pregnancy in rats, 23:35602 (ORAU-107, pp 242-5)

MESCHERYAKOV, M. G. Development of track chamber picture processing systems at JINR, 25:13279 (CERN-70-21(Vol.2), pp 753-60)

MESCHERYAKOV, V. A. On p-waves of πN-scattering in model with short-range repulsion, 25:1526 (JINR-P2-5302)

MESCHINO, J. L. Canadian centrifugal pump industry, 25:57608 (70-CNA-658)

MESELSON, Matthew Topological relationship of prophage lambda to the bacterial chromosome in lysogenic cells, 24:21328

MESENTSEV, A. F. Variations in the nuclear charge radii of $^{124\ 126\ 128\ 130}$Te, 24:43378

MESENZHNIK, Ya. Z. Studies of various additivies acting as thermo stabilizers in irradiated polyethylene, 21:4557

MESERVEY, A. B. Microsphere forming conditions for ThO_2—UO_3 sols, 23:41702 (ORNL-TM-2516)
- Preparation of sols and microspheres of ThO_2, UO_2, ThO_2—UO_2, and ThO_2—UO_3 by sol—gel techniques, 22:23860 (ORNL-TM-2128)
- Uranium dioxide—ThO_2 and UO_3—ThO_2 sols prepared by precipitation—peptization processes, 21:28817 (ORNL-TM-1782)

MESERVEY, Albert B. Method of fabricating ceramic nuclear fuel product, 22:7054
- Microsphere forming conditions for ThO_2—UO_3, ThO_2 and UO_2 sols, 25:40092 (ORNL-TM-2957)
- Preparation of stable sols of thoria-uranium trioxide, 24:42210

MESERVEY, E. Particle and energy balance in the ST Tokamak, 25:38338 (CONF-710607-32)

MESERVEY, E. B. Absorption in a hot plasma near the second harmonic of the electron cyclotron frequency, 22:26394
- Confinement of gun-injected H plasmas, 23:32333
- Flute fluctuations in a linear quadrupole device, 23:44454

MESERVEY, R. Direct observation of spin-state mixing in superconductors, 25:58943
- Equilibrium properties: comparison of experimental results with predictions of BCS theory, 23:27551
- First-order magnetic transition in thin superconducting aluminum films, 24:35360
- Magnetic field splitting of the quasi-particle states in superconducting aluminum films, 25:1131
- Measurement of the surface inductance and penetration depth of superconducting aluminum, 25:36029
- Measurements of the kinetic inductance of superconducting linear structures, 23:30501
- Phase transition of thin-film superconducting cylinders in a magnetic field. I, 25:40524
- Properties of very thin aluminum films, 25:14192
- Proposed ammeter using flux quantization, 22:29419
- Temperature dependence of the magnetic field periodicity in flux quantization experiments, 22:22113

MESERVEY, R. H. Brittle behavior of Zircaloy in an emergency core cooling environment, 24:52915 (IN-1389)
- Brittle behavior of Zircaloy under emergency-core-cooling conditions, 23:36094
- Exploding wire as dynamic pressure source, 24:46393 (IN-1406)
- High temperature ultrasonic thermometer for measuring reactor fuel temperature, 24:46537 (IN-1413)

MESH, D. W. Experience with Laguerre numerical integration in point kernel shielding calculations, 24:6591
- Experience with laguerre numerical integration in point kernel shielding calculations, 24:24100 (KAPL-P-3848)
- Iterative transport method for neutron streaming shield analysis, 25:40741
- Point kernel shielding calculations, 24:30377

MESHALKINA, N. G. Absorption of radiostrontium from a raw fish into a cooked dish in the course of cooking, 21:24433

MESHCHANIN, A. P. Filmless optical method of rapid removal of information from spark chambers, 24:27414
- Indication unit with storage oscillograph for the TsVM (Minsk-2 digital computer), 23:24482 (IFVE-SEF-68-45-K)
- Scintillation counters employing the miniature FEU-60 photomultiplier, 25:48997

MESHCHANINOVA, E. I. Fallout levels and fission product concentration in surface air near Moscow from 1962—1967, 24:11700 (AEC-tr-7128, pp 163-79)

MESHCHERIAKOV, V. A. Dispersion sum rules and high-energy πN scattering, 21:44383

MESHCHERIN, V. T. Isotopes in USSR, 23:16038 (AD-673180)

MESHCHEROV, R. A. Calibration of Hall transducers by means of nutation magnetometer, 22:8422

MESHCHEROVA, I. V. Radiation safety at high energy accelerators, 23:49282

MESHCHERSKAYA, L. I. Gamma spectrometry on basis of Ge irradiated with neutrons, 23:33490

MESHCHERSKAYA, R. S. Physical and chemical conditions of uranium underground leaching from rocky ores, 24:9533

MESHCHERSKII, Yu. A. Uranium deposits in iron ore decambrian formation, 23:47658

MESHCHERYAKOV, A. B. Dosimeter with a miniature transistorized Si(Li) detector, 23:11886
- Intracavitary measurements of absorbed doses, 23:50523
- Investigation of fields of gamma-radiation from grid and wedge-like filters with aid of a miniature transistorized Si(Li)-detector, 23:35746
- Miniature semiconductor Si(Li) detectors, 22:43057
- X-radiation detection device with miniature Si(Li) semiconductor detector, 22:33649

MESHCHERYAKOV, G. Ya. Physicochemical characteristics of the interaction of MoO_3 and WO_3 with graphite, 24:42249
- Research on the interaction mechanism of MoO_3 and WO_3 with C, 24:48891

MESHCHERYAKOV, M. G. Polarization of secondary protons in pp $\rightarrow \pi^+$pn and pp $\rightarrow \pi^0$pp reactions at 669 MeV, 25:5268 (JINR-P1-5293)

MESHCHERYAKOV, N. A. Multichannel shaper for molecular beams, 22:7142

MESHCHERYAKOV, V. A. Consequences of crossing symmetry for π N-scattering S waves, 21:4102
- Deduction of the Chew—Low equations and the origin of the cut-off function in static models, 21:37818
- Derivation of Chew-Low equations and origin of cutoff function in static models, 21:7512 (JINR-P2-3054)
- Dispersion sum rules and high-energy πN-scattering, 21:37804 (JINR-P2-3385)
- Dispersion sum rules and high-energy and low-energy πN-scattering, 21:37803 (JINR-P2-3383)
- Dispersion sum rules and πN scattering at low and high energies, 22:20247
- Dispersion theories of strong interactions at low energy, 23:39662
- Functional relations between matrix elements of elastic scattering static S-matrix, 23:25706 (JINR-P2-4356)
- General solution of Chew—Low type equation, 21:9790
- Invariant varieties of Chew—Low equation, 25:50136 (JINR-P2-5906)
- Method for finding functional relations in Chew—Low type equations, 23:34661 (JINR-P2-4377)
- Method of the local construction of invariant subspaces in the space of solutions of the Chew—Low type equations, 24:49437
- Solution of Chew—Low type equations, 22:5572
- Solutions for the Chew—Low type equations, 23:44665
- Static model of s waves in πN scattering and t-channel peculiarities, 25:3380 (JINR-P2-5263)

MESHCHERYAKOV, V. N. Effect of gas content on tendency to delayed fracture and cold cracking in welding titanium alloys of the Ti—Al—Zr system, 22:2630
- Effect of the gas content on the susceptibility of Ti—Al—Zr welds to delayed failure and cold cracking, 21:9162

MESHCHERYAKOVA, L. K. Vital activity of Chlorella under spaceflight conditions, 22:17057

MESHCHERYAKOVA, O. M. Dose-effect curves and recovery of γ-irradiated yeasts, 25:44966
- Microdistribution of absorbed dose in the track of a heavy charged particle, 25:16134 (JPRS-52121, pp 51-7)

MESHII, M. Effect of electron irradiation on plasticity of metallic single crystals, 22:15224 (COO-1367-16)
- Effect of electron irradiation on the strength of iron single crystals, 25:19252 (COO-1367-36)
- Electron irradiation hardening of Al—1 at. percent Zn single crystals, 22:719
- Electron irradiation hardening, 21:20539 (COO-1367-8)
- Electron irradiation hardening, 22:17824
- Electron irradiation strengthening in metals and alloys, 23:34048
- Interaction of glide dislocations with interstitials and lattice vacancies, 23:12372 (COO-1367-22)
- Precipitation strengthening of Fe-6 at. percent Mo, 21:45909
- Work-hardening behavior of irradiated aluminum, 23:34029

MESHII, T. Calibration of electromagnetic flowmeters in the Enrico Fermi Atomic Power Plant, 23:4261
- Calibration of electromagnetic flowmeters, 23:38371
- Heat removal from a 350-MW(e) DFBR, 24:7107

MESHII, Toshio Permanent magnetic-type flow-meters and their application in Enrico Fermi atomic power plant, 22:21371 (APDA-304)

MESHITSUKA, Gisuke Electron spin resonance spectra of irradiated single crystal of L-α-alanine at 77°K, 21:34302
- Radiation graft copolymerization of silicones onto textile, 23:24264
- Radiolysis of solid L-α-alanine, 21:28002
- Water repellency and durability of the silicone-grafted cotton fabrics, 24:41367

MESHKOV, I. N. Electron beam indication from residual gas luminosity, 25:1680
- Energy recovery in an electron beam, 25:53453
- Indication of electron beam by light of background gas, 22:9726 (UCRL-Trans-1360)
- Pierce electrodes for ribbon ion bunching, 23:3281
- Starting up of betatron B-3 with external injection, 22:20377 (UCRL-Trans-1363)

MESHKOV, N. Mixing of collective states in an exactly soluble three-level model, 25:43972

Validity of many-body approximation methods for a solvable model: the deformed Hartree-Fock solution, 21:4367
MESHKOV, O. F. Calculation of the reduction factor of the space charge of electron beams moving in periodic electrostatic fields, 21:24901
MESHKOV, S. Missing SU(3) multiplets and SU(6)/sub W/ selection rules, 21:4077
SU(3) reaction inequalities at high energies, 21:21287
SU(3), meson—baryon scattering, and asymptotic limits, 21:40221
SU(6)/sub W/ and high-energy photoproduction, 23:5575
MESHKOV, Sydney Commentary on meson spectroscopy, 25:17488
Comments on baryon spectroscopy, 25:25443
Importance of etaπ decay mode in split A_2 decay, 23:13092
SU(6)/sub W/ and high energy photoproduction, 24:8602
Symmetry predictions, 24:52171
MESHKOV, V. A. Decomposition of AgN_3 monocrystals under action of x radiation, 25:46521
MESHKOV, V. N. Effect of gamma irradiation on certain properties of the ML5 Mg foundry alloy, 23:8255
Gamma radiation effects on certain properties of foundry alloy ML5, 22:8803
Properties of neutron-irradiated cast industrial steel ML5, 22:8802
Properties of neutron-irradiated ML5 industrial foundry alloy, 23:8257
MESHKOVII, A. G. Investigation of resonances in $\pi^0\gamma$-system, 21:44279
MESHKOVSKII, A. G. Investigation of the exchange scattering $\pi^- + p \rightarrow \pi^0 + n$ at 2.8 GeV/c, 21:2381
Study of resonances in $\pi^0\gamma$ system, 21:17049
MESHREF, W. M. Exploration for radioactive occurrences in Egypt, 24:44138
MESHTER, A. Conversion electron spectra of ^{140}La, 21:2746
MESISSINOS, A. C. Antihyperon, hyperon, and two-body reactions in 13 Gev/c K^+p collisions, 22:3269 (UR-875-218)
MESKAN, D. A. Neutrons and x rays from focused plasma discharge, 23:48937
Relationship between moving striations and plasma—acoustic waves, 21:11625 (N-66-24584)
MESKAN, David A. Neutron and x-ray production in a focused Z pinch, 22:34726 (AD-665416)
Space time, and energy distribution of neutrons and x rays from a focused plasma discharge, 24:12844 (AD-695456)
Wave propagaton in a partly ionized gas. II, 21:42055
MESKAN, David Allan Experimental study of the relationship between moving striations and plasma-acoustic waves, 21:33460
Neutron and x-ray production in a focused Z pinch, 22:1281 (LA-3770, Paper C6)
MESKEN, M. Induced sterility, 23:41293
MESKO, L. Angular distributions $^{19}F(d,\alpha)^{17}O$ at E/sub d/ = 300 to 650 keV, 23:37115
Application of solid-state track detectors for measuring angular distributions of alpha-particle groups from nuclear reactions, 22:38045
Investigation of nuclear reaction $^{19}F(d,\alpha)^{17}O$ in energy range of 450 to 650 keV, 22:48472
Investigation of reaction $^{19}F/d,\alpha/^{17}O$ with plastic track detector in energy region from 450 to 300 keV, 23:39974
Study of $^{24}Mg(d,p)^{25}Mg$ reaction in energy range 650 to 500 keV, 25:38933
MESKO, Laszlo Total cross section of the $^{19}F(d,p)^{20}F$ reaction from E/sub d/ = 400 to 700 keV, 21:19185
Total cross section of the $^{55}Mn(d,p)^{56}Mn$ reaction from E/sub d/ = 500 to 700 keV, 21:19214
Vacuum chamber for investigations of nuclear reactions, 21:10627
MESLER, R. Molten metal-water explosions, 24:10004
MESLER, Russell B. Metal/water explosions, 22:18574
MESROBIAN, W. S. Parallaxes and proper motions of 22 stars, 24:30072
MESSAINGUIRAL, Lucien Methods and apparatus for evaporating liquids, 21:45292
MESSEL, H. Electron—photon shower distribution tables for Pb, Cu, and air, 24:26407
MESSELT, S. Isospin-forbidden $^{16}O(d,\alpha_1)^{14}N$ reaction, 23:30946
T-spin violations in $^{16}O(d,\alpha_1)^{14*}N$, 21:25440
MESSENGER, A. Steven Ecological survey of ANL, 23:38516 (ANL-7559)
MESSENGER, George C. Prog. rpt. on radiation damage in semiconductor materials, final, 6/65—6/66, 21:31107 (AD-643783)
Radiation effects on microcircuits, 21:1704
Statistical modeling of semiconductor devices, 23:17868
Two level model for lifetime reduction processes in neutron irradiated silicon and germanium, 22:13575
MESSENGER, R. High frequency gas discharge noise, 21:44108
MESSENGER, R. A. Noise temperature as a measure of mean electron energy in a gaseous discharge, 24:40051
MESSENGER, W. De L. M. Quality control, 25:51831
Tests for integrity of containment of large radioactive-material packages, 25:51818
MESSER, C. E. Crystallographic study of the orthorhombic to cubic phase transition in ytterbium dihydride, 22:37728
Hydrides versus fluorides: structural comparisons, 25:770
Hydrogen dissociation pressure of system Ca—La—H, 23:48430
MESSER, Charles E. Calcium hydride—rare earth hydride solid solutions, 21:19589 (TID-22570)
MESSER, G. Hydrogen pressure in vacuum systems with cryo-condensation pumps, 25:23447 (LA-tr-71-15)
MESSER, Guenter Experiences with cryopumps in calibration devices, 25:2429
MESSER, J. R. Penetration of brain and brain tumor. VI, 22:38361
MESSER, W. Growth direction and segregation of the E. coli chromosome, 23:48281
MESSERLE, G. Investigation of the fine structure of the C_2 high-pressure bands, 22:52528
MESSERLE, H. K. Dissociation potential of seed compounds in MHD experiments, 24:45078
Electrical conduction in alkali-metal seeded CO_2, 24:35407
Electrode current saturation in MHD ducts, 21:2271
Interpretation of current—voltage characteristics in plasmas, 24:21790
Shock development in an electrothermal shock tube, 23:25309
Stability in dense plasma jets, 21:2274
MESSERLI, R. HPD Mark 2 flying-spot digitizer, 22:23320 (CERN-68-4)
Status of the HPD minimum guidance programs at CERN, 25:13278 (CERN-70-21(Vol.2), pp 737-52)
MESSERSCHMIDT, Dietrich Interpretation of strong He I lines in early type spectra, 21:24874
MESSERSCHMIDT, O. Effect of trauma in radiation syndrome, 23:22402
Radiation injury and open skin wounds, 21:39490
Radiation sickness combined with burns, 24:7905
MESSERSCHMIDT, Otfried Changes in blood cells after whole-body irradiation, 22:45707
Chemical protection of mice inflicted with irradiation and open skin wounds, 25:4576
Histopathological studies of mice after whole-body irradiation, 22:47583
Investigations about combination injuries, 25:13368
Investigations about combined injuries. XI, 23:29791
Investigations of combination injuries, 24:36711
Investigations of injury induced by different causes, 25:55332
Investigations on combination injuries. VI, 21:20414
Pathophysiological alterations caused by combined injuries, 24:25578
Problem of combined injuries, 24:34688
Radiation burdens and wounds, 22:21596
Radiation injuries. VII, 21:11068
Radiation protection in research and medical practice. VII, 24:34373
Radiation—traumatic combination injuries, 23:20265 (CONF-680507-, pp 124-42)
Significance of time between whole-body irradiation and skin lesions for survival rate of mice, 23:41433 (ANL-Trans-764)
Studies of combination injuries, 24:32216
Studies of combination injuries, 25:595
Studies of combination injuries. XIII, 23:50867
Studies on combination injuries. XII, 23:33860
Tryptophan metabolism by mice burdened by irradiation and wounds, 22:49280
MESSERSCHMIDT, W. Periodic variations of cosmic radiation. I, 24:35224
Periodic variations of cosmic radiation. II, 25:58825
MESSIAEN, A. M. Cylindrical plasma sources with densities high above critical density excited by an rf helix with and without magnetic field, 25:38452 (CONF-710607-139)
Excitation by modulation of new ion resonances in bounded plasmas, 23:42365
Experimental and theoretical eigenmodes of a spherical cavity partially filled with plasma, 23:30588
Explanation of plasma densities high above critical density, 25:14333
High-frequency plasmas in magnetic field, 24:3420
Ion—electron resonances in bounded, hot plasmas with and without steady magnetic field, 25:5134
Magnetic behavior of resonantly sustained plasma at high hf power, 22:17702
Main electron resonance of a bounded plasma at high magnetic fields, 24:49204
New ion—electron resonances in bounded, hot, magnetized plasmas, 23:32543
Nonlinear resonance effect at high power in a cylindrical plasma, 21:39989
Plasma properties and obtention of densities high above critical density in radio-frequency plasmas, 23:1451
Radial ion resonances in bounded plasmas, 24:26273
Radiofrequency power absorption by strongly magnetized, hot, bounded ion—electron plasma, 25:40699
Resonantly high-frequency sustained plasmas, 23:18621 (CONF-680113-(Vol.1), pp 179-201)
Resonantly sustained bounded radiofrequency plasma in a spherical cavity, 23:42356
Wave mixing and weak nonlinear resonance phenomena in cold plasma, 23:30583
MESSIAH, A. M. L. Electron accelerators, 24:52345
MESSICK, C. W. Thermal stability testing of an electrically loaded sheath insulator, 24:12669 (GA-9465)
MESSIER, Bernard Changes in the number of mouse thyrotropes following radiothyroidectomy, 21:11081
MESSIER, D. R. Tungsten deposition from W mesh heating element in vacuum above 2450 deg K, 21:492
Vapor pressure of Gd_2O_3 from 2350° to 2590°K, 22:11065
MESSIER, Donald R. Construction of glovebox thermogravimetric analysis apparatus; experiments on evaporation of Gd_2O_3, 21:15830 (ANL-7229)
Evaporation of hypostoichiometric PuO_2 from 2070° to 2380°K, 23:27180
MESSIER, J. Effect of ^{60}Co γ rays on high-resistivity p-type Si, 21:3933
Semiconductor detectors for nuclear particles, 23:41065
MESSIER, Jean Semiconductor detectors of nuclear particles, 23:24421 (CEA-CONF-1233)
MESSIET, J. Study of the oxidation of amorphous boron, 22:2676
MESSIHA, S. A. S. Magnetohydrodynamic Couette flow, 23:39362
Magnetohydrodynamic oscillatory flow along an infinite plane porous wall with variable suction, 23:14676
Temperature field in magnetohydrodynamic oscillatory flow, 25:14095
MESSINA, M. Metabolism of citric acid in Cushing's syndrome, 23:43688
MESSING, A. W. Halide—halide exchange at asymmetric silicon. New evidence against a siliconium ion-pair mechanism, 25:34579
MESSLINGER, R. (p,n)-Total cross sections on ^{144}Sm and ^{143}Nd, 21:1118
Scandium 51, 21:1052
MESSMER, A. Kinetic deuterium isotope effect in nitrogen coupling in an aprotic medium, 22:18751
MESSNER, H. Bone marrow fibrosis in rats after sublethal whole-body x irradiation, 23:20388
Myelofibrosis in irradiated rats, 24:34161
Osteomyelofibrosis in rats after lethal whole-body irradiation and transfusion of allogenic bone marrow cells, 23:22393 (EUR-4043)
MESSORE, G. Performance of nuclear reactor internals, 24:28991
MESTAN, J. Behavior of ^{86}Rb in normal rat myocardial tissue and tissue injured by ischaemic necrosis, 23:33596
MESTDAGH, G. Autoradiographic control of the distribution of Dy_2O_3 dispersed in a matrix of UO_2, 22:36011
Considerations of nature and importance of UO_2—can distances on irradiation, 22:31528
Fabrication of dense UO_2 by hot pressing and coextrusion, 21:30289
Fabrication of very high density UO_2 nodules, 24:8172
In-pile thermal conductivity experiments on UO_2, 21:28825 (BLG-364)
MESTECHKIN, M. M. Density matrix in the two-particle function method, 22:5886
Wave functions of condensed states, 23:5505
MESTECKY, J. Role of lysozyme and character of antibodies in experimental viral infection, 23:26898
Variances in the levels of serum lysozyme in x-irradiated mice, 21:6456
MESTEL, L. Effects of rotation, magnetic fields, planetary systems, angular momentum in stars, spin-down, binary, and multiple stars, 25:24713
Energy content of a white dwarf and its rate of cooling, 22:13087
Formation of close binary systems, 21:31192
Magnetic braking by a stellar wind. II, 22:43824
Magnetic breaking by a stellar wind. I, 22:23967
Magnetic field of contracting gas cloud. II, 22:13085
Magnetic fields and gas streaming in spiral galaxies, 21:2004
Role of the magnetic field in star formation, 23:51169
Theories of stellar magnetism, 21:39783
MESTER, A. Decay scheme of ^{144}Eu, 25:20474
MESTER, E. Effect of laser beam on micromotility, 24:51049
Effect of laser beams on growth of Ehrlich ascites tumor, 23:35847
Effect of laser rays on biological systems, 23:14269
MESTER, Endre Biological effect of laser in fractionated doses, 24:34668
Biological effect of laser ray, 23:29901
Effect of laser beam on Ehrlich ascites tumor cells, 24:9914
Effect of laser on skin and internal organs of mice, 24:34671
Influence of laser beams on the growth of hair in mice, 22:51985
MESTER, Zoltan Neutron activation analysis of metal trace impurities in ascorbic acid. preliminary communication, 21:23848
MESTORINO, R. J. Kinetics of calcium metabolism, 21:22270
MESTORINO, Robert J. Kinetics of calcium metabolism in thyroidectomized rats, 21:22259
MESTRE, E. Techniques of decontamination at the Saclay Center of Nuclear Studies, 22:23557
Treatment and conditioning of solid radioactive wastes, 23:40966 (BNWL-tr-38)
MESTRES, Gerald Action of x rays on osmotic pressure and pH of homolymph of Galleria mellonella L (Lepidopera insect), 22:43462
MESTRES, L. Gonzalez Dual amplitudes with ω-coupling for six pions and for spinning bosons, 24:37773
Internal symmetries in dual models, 25:17468
Kind of realistic dual N-meson amplitudes, 25:33689 (LPTHE-TH-71/11)
Multipole-free dual amplitudes with Mandelstam analyticity, 25:47987
MESTVIRISHVILI, A. N. Branching ratio in K^0/sub e3/-decay, 21:3975 (JINR-P-2892)
Energy spectra and angular correlations of particles in K/sub e 3//sup 0/ decay, 21:2356 (JINR-P-2855)
Energy spectra and angular correlations of K/sub e3/ decay particles, 21:11733
Estimate of cross section for Λ and Σ^0 particle production in lead by long-lived K^0 mesons with mean energy E = 150 MeV, 22:17870
Experimental determination of the relative probabilities for various branches of K_2^0 decay, 21:37672
Production cross section of Λ and Σ^0 particles in Pb by long-lived K^0 mesons, 21:40148 (JINR-P1-3441)
Relative probabilities of various modes of K_1^0 decay, 21:13674 (JINR-P1-3098)
MESTVIRISHVILI, M. Vector dominance and the reduction of the differential cross-section of lepton pair production at high energies at large angles, 25:45719 (CERN-Trans-71-14)
MESTVIRISHVILI, M. A. Analyticity in the t-plane and the exponential growth of the scattering amplitude, 21:31641
Constraints on growth power of the binary process amplitude, 25:36600
Equality of total cross sections for interaction of particles and antiparticles at high energy, 24:45451
High-energy behavior of inelastic cross sections, 22:7565
High-energy scattering on a smooth potential, 25:53367

Intermediate states in the t-channel of the reaction and radius of strong interactions, 23:21090 (IFVE-STF-68-54-K)

Intermediate states in the t-channel, 23:42646

Low boundary of decreasing form factors, 23:15016 (IFVE-STF-68-32-K)

Lower bound for decrease of form factors, 23:30731

Momentum transfer analytical properties of scattering amplitude in quasipotential approach for Gaussian potential, 24:28622

Small-angle scattering and a lower bound for the scattering amplitude at large angles, 21:29644

Small-angle scattering and lower bound for scattering amplitude at large angles, 21:15413 (JINR-P2-3139)

Unitarity condition and decrease of differential cross section of multiparticle production with energy increase, 25:17412

Unitary conditions and decrease of differential cross-section of multiple production processes with energy increase, 25:25340 (IFVE-STF-70-43)

Vector dominance and decrease of differential cross section of lepton pair production at high energy and large scattering angles, 25:36429

MESTVIRISHVILY, M. A. Behavior of diffractional peak width at high energies in case of Gaussian potential, 25:5424 (IFVE-STF-69-83)

MESYATS, G. A. Generator of nanosecond rectangular pulses with amplitudes of 500 kV, 23:33558

High-current pulsed electron accelerator, 25:50212

Laws governing the formation of a spark in the nanosecond time range in the case of static breakdown of a gap, 22:48113

Primary and secondary processes during formation of discharge over short, gaseous path length at nanosecond intervals of time, 22:50194

Pulsed source for heavy, short-duration electron currents, 23:14632

MESZAROS, E. Determination of the washout coefficient of artificial radioactive particles, 22:37886

Radioactivity in bottom layer of atmosphere, 22:37889

MESZAROS, Erno Distribution of artificial radioactivity in the lowest 300 meter layer of the atmosphere, 22:30723

Fallout of artificial radioactive particles from the troposphere in dry and wet weather, 22:37887

MESZAROS, F. Investigation of wells by γ scattering method with various isotopes, 22:43139

MESZAROS, G. Sterilization of catgut by ionizing radiation, 22:52088

MESZAROS, I. Circulatory changes in the mucosa and muscular layer of the small intestine of rats after supralethal irradiation, 24:27697

Irradiation facilities for gamma and neutron dose calibration, 21:26466

MESZAROS, Iren Lipid fraction alterations in serum and liver of rats exposed to 2000 r local hepatic irradiation, 25:29685

MESZAROS, Iren F. Changes in the circulation of the mucosa and muscle layers of the small intestine of the rat after supralethal radiation, 23:33862

MESZAROS, Istvan Equipment for the production of gamma-ray beams, 21:26426

MESZAROS, P. Dust and atomic hydrogen near rho Ophiuchi, 23:14516

MESZTICZKY, Aranka Solvent effects on isotopic exchange reactions. X, 22:30550

META, V. Secondary minimum in the potential energy surface of ^{40}Ca, 25:23073

METAG, V. Charged-particle studies of isomeric fission, 24:30788

Correlation between fission isomer half-lives and liquid-drop model parameters, 25:50829

Direct reaction in production of fission isomers, 25:3709

Fission isomerism induced by helium ions, 23:42938

Fission isomers in Cm and Bk isotopes, 25:36795

METAIS, P. Effects of whole-body x irradiation on the activity of various enzymes and on the protein level in bone marrow of the rat, 22:45414

METALLI, P. Calibration of film dosimeters with beta particles of different energies, 23:43609

Effects of x radiation on the life span of various strains of Artemia salina Leach, 22:43470

Effects of x rays on oogenesis and rhythm of molting in Artemia salina leach, 23:2915

Estimates of some components of fitness in diploid parthenogenetic artemia salina irradiated over several generations, 23:6561

Gradation of dosimetric film for beta particles of various maximum energies, 24:41890

Induction of tumors and leukaemia by split doses of x-rays, 24:34638

Late somatic effects in syngeneic radiation chimaeras. I, 25:42666

Relation between polyploids and radiosensitivity of oocytes of Artemia salina Leach, 22:43277

Split dose experiment on late effects of ionizing radiation in the mouse, 22:43414

METAL'NIKOV, S. V. Experience in burial of liquid radioactive wastes in deep geological formations, 23:9679 (JPRS-46535)

Experience with liquid radioactivity waste disposal, 22:45267

METALNIKOV, Yu. N. Betatron oscillation resonances in an electron synchrotron, 21:29690

Betatron oscillation resonances in synchrotrons, 22:37264

Nonlinear betatron oscillation resonances in electron synchrotron, 22:32325 (CEAL-2000, pp A59-62)

Stabilizing the amplitude of radial betatron oscillations in a cyclotron, 23:46886

METCALF, A. Campbell systems for reactor control, 23:24037

METCALF, Arnold Improvements relating to the detection of flaws in dense materials, 22:33619

Improvements relating to the determination of oxygen distribution, 22:30455

METCALF, D. Characteristics of in vitro colony formation by cells from haemopoietic tissues, 25:16023

Effect of whole body irradiation on colony production by bone marrow cells in vitro, 22:38465

Hemopoietic progenitor cells of W anemic mice, 23:38500

METCALF, D. R. Effect of scattering resonances on thermal-neutron spectra, 24:7084

Two-group neutron transport equation. I, 22:46707

Two-group neutron transport equation. II, 22:46702

Two-group transport criticality solutions and associated continuum expansion coefficient resonance behavior, 25:6157

Two-group transport solutions to the one-dimensional critical slab problem, 24:7298

METCALF, Dale Robert Solutions of the two-group transport equation in plane geometry, 23:1775

METCALF, Harold Measurement of fine structure constant by level crossing in atomic H, 22:38779

Measurement of lifetime and g factors in the OH and OD free radicals, 25:26243

Measurement of the sommerfeld fine-structure constant by level crossing in atomic hydrogen, 22:38743

METCALF, Harold Joseph Fine-structure constant by level crossing in atomic H, 24:3157

METCALF, I. L. Metal swelling and irradiation creep effects upon the Fast Test Reactor core component performance, 24:52958 (BNWL-1430)

Swelling and creep effects upon fast reactor core structural design, 24:33236

METCALF, M. B. Experience at CERN of automatic measurement of spark chamber pictures, 23:33507 (ANL-7515, pp 310-16)

Measurement of spark chamber film at CERN using LUCIOLE, 21:41242

Pattern recognition for wire chamber experiments, 23:33508 (ANL-7515, pp 317-27)

METCALF, Robert L. Advances in environmental sciences. I, 24:31900

METCALF, W. S. Mitogenetic radiation, 21:45636

METCALFE, A. G. Brazing of Nb alloy foils, 21:9114

Current status of Ti—B composites, 24:1024

Diffusion bonding of dispersion-strengthened nickel alloys, 23:30119

Interstitial sink effects in the refractory metals, 23:48475

Structural and mechanical effects of interstitial sinks, 21:24748 (N-67-11737)

METCALFE, Arthur G. Interaction and fracture of titanium—boron composites, 22:4884

Interactions in coated refractory metal systems, 23:18225

METCALFE, B. Investigation of material transfer by neutron activation analysis, 24:154

Technique for loading Maloney spheres with high-activity ^{24}Na under field conditions, 22:23215 (AERE-M-1167)

METCALFE, Ralph Helper phages and MOI repair of uv damage in T4, 23:6619

METCALTE, Arthur G. Join exotic materials in seconds with continuous seam diffusion bonding, 25:58201

METCHNIK, V. I. Collision broadening of spectral lines, 22:15363

METELKIN, A. I. Effects of gamma radiation on properties of leather and untanned leather, 24:44829

METELKIN, I. I. Method of obtaining vacuum-tight cermet joints, 21:26878 (AD-649412)

METER, I. D. Determination of role of microbial intoxication in pathogenesis of intestinal syndrome of acute radiation sickness, 24:51052

METEV, M. Changes in serum proteins in experimental Masugi nephritis of rabbits after x-ray irradiation. I, 22:6751

Electron-microscopic study of experimental Masugy nephritis in rabbits before and after x-ray irradiation. II, 22:43435

Nephritis in rabbits after exposure to x-rays. II, 25:21863

METHASIRI, T. High energy photofission cross sections of uranium and thorium, 24:30757 (LUNP-7005)

High-energy photofission cross sections of uranium and thorium, 25:12573

High-energy photofission of heavy and medium-heavy elements, 25:39003

METHASIRI, Thamrong High energy photofission cross sections of uranium and thorium, 25:36736 (THAI-AEC-35, pp 1-8)

METHERELL, A. J. F. Comments on the absorption coefficients of fast electrons measured from filtered and unfiltered electron microscope images, 21:13373

METHERINGHAM, A. J. Scattering of 135-MeV protons by deuterons, 21:4194

METHFESSEL, Alfred H. Reduction of radiostrontium uptake in the rat, 24:9741

METIK, L. P. Investigation of high velocity early type stars ("runaway OB stars"), 21:16713

METIVIER, H. Effects of pulmonary lavage on the retention of particles of plutonium oxide, 25:42368 (LF-tr-53)

Efficacy of DFO and DTPA for elimination of Pu in poisoned rats, 23:9893

Hydrolysis of Pu(IV), 23:37944

Retention of inhaled Pu oxide, 25:18895

METIVIER, Henri Automatic elution apparatus: application to plutonium determination, 24:29175 (CEA-R-3922)

Hydrolysis of tetravalent Pu. Evidence for complexing by anions of biological interest, 21:10301 (CEA-R-3092)

METIVIER, Robert Improvements in liquid level gauges, 23:721

METLENKO, Alexander I. Determination of small amounts of molybdenum in vanadium metal and in vanadates, 22:22939

METLENKO, S. Determination of small quantities of molybdenum in metallic vanadium and vanadates, 23:26168

METLEV, A. A. Fast fission ionization chamber, 24:20977 (ANL-Trans-819)

Fast ionizing fission chamber, 23:45511 (FEI-143)

High-speed fission ionization chamber, 24:27364

METLIN, V. B. Magnetohydrodynamic bearings, 23:51431

METLITSKII, L. V. Gamma-exposure of potatoes for prevention of sprouting, 23:50969

Irradiation of potatoes and other vegetables to prevent sprouting, 23:12249 (ORNL-IIC-14, pp 5-19)

Radiation processing of food products, 23:12248 (ORNL-IIC-14)

Variations observed in the process of respiration of vegetable tissue under gamma-irradiation, 21:28391

METLITSKII, V. A. Properties of molybdenum sheet with the two-phase structure after annealing, 24:36980

METRA, S. K. Detecting radiation with a supercooled liquid, 25:35015

METROPOLIS, N. Comprehensive approach to computer arithmetic, 25:6238 (LA-4531)

Significant digit arithmetic on a CDC 6600, 24:43883 (LA-4470)

Simulation of SEL-810A computer on MANIAC II (SELMA), 21:17553 (LA-3640)

Simulation of two arithmetic structures, 22:53499 (LA-3979)

METRY, E. Sorption of ^{134}Cs from waste solutions, 24:19077

Sorption of strontium and cesium by soils, 24:2651

METSCHER, K. Continuous separation of plutonium and americium by countercurrent exchange, 25:32048

Continuous separation of uranium and plutonium with the help of countercurrent ion migration, 25:41908

Preparative separation of lanthanides by countercurrent electrolysis, 24:46316

METSELAAR, J. W. 4-MW installation of Kamerlingh Onnes Laboratory, 22:21244

Damping and relaxation phenomena in multiply connected superconductors, 23:46431

Superconducting coil magnet (100 kilo-oersted), 24:23901

Superconducting coil magnet (100-kOe), 24:35354

METSKHVARISHVILI, R. Ya. Spectrum of ^{183}W conversion electrons in hard energy range, 24:3945

METSON, P. Routine method for the determination of tritium in rain and river waters by electrolytic concentration before liquid scintillation counting, 24:11452

METTA, D. Decay properties of ^{244}Pu, and its existence in nature, 21:10060

METTA, D. N. Alpha decay of ^{247}Cm, 25:17881

Curium-250 production in a high-flux reactor, 21:38296 (ANL-7330)

Decay properties of ^{249}Bk and ^{249}Cf, 23:31028

Fission cross sections for ^{243}Pu, ^{250}Bk, ^{247}Cm, ^{243}Cm, /sup 254m/Es, and ^{254}Es, and odd—odd systematics, 23:1920

Half-lives of ^{243}Cm, ^{244}Cm, ^{248}Cm, ^{250}Cf, ^{251}Cf, and ^{249}Cf, 23:23717

New properties of ^{254}Es and ^{253}Es, 21:23503

Spontaneous fission half-life of ^{250}Cm, 22:1659

METTA, Donald N. Isotopic abundances of actinide elements in lunar material, 24:20706

METTEIL, A. Problems of operating nuclear power stations, 25:34235

Problems posed by the operation of nuclear power stations, 25:36892

METTEL, D. Charged rho production in association with Δ^0 in π^{+-} interactions, 23:3654

Quasi two body reactions in π^+d interactions at 5.1 GeV/c, 22:39275 (CERN-68-7(Vol.2), pp 135-49)

METTEL, Denyse Production of strange particles in π^+d interactions at 5.1 GeV/c, 25:12100 (NP-18629)

METTER, I. M. Formation of sharply directional molecular beams by means of channels, 25:47322

METTETAL, Jean Claude Remote handling arm, 22:27979

METTETAL, W. Selective solvation in aqueous N-methylacetamide, 23:7515

METTIN, Dieter Mutation experiments in cultivated plants. XII, 21:22792

METTLER, Alan J. Neutron energy spectra in concrete ducts, 21:29323 (NP-16792)

METTLER, Fred A. Jr. Breast neoplasms in women treated with x rays, 24:898

METZ, A. J. Discriminator useful in fast-slow coincidence experiments, 21:314

Low walk, high resolution timing system for silicon detectors, 22:40406

True random ratemeter with automatic dead-time correction, 23:9702

METZ, Arthur J. Ratemeter with automatic dead-time correction, 25:37586

Simple tunnel diode circuit for accurate zero crossing timing, 21:43307

METZ, C. F. Analytical chemistry program for LMFBR/FFTF fuels, 24:5589

Investigation of two methods for measuring free acid in plutonium solutions, 22:18693 (LA-3876)

Neutron and gamma radiations from ^{238}Pu, 23:4013

Neutron and γ radiations from pure ^{238}Pu, 23:28299 (LA-DC-9763)

Plutonium-238 materials as radioisotopic heat sources, 23:35428

METZ, Charles E. Predicting the minimum activity required for thyroid-uptake studies, 24:12072

METZ, Charles F. Compositions of irradiated fuel, 24:409

Controlled-potential coulometric and potentiometric titrations of uranium and plutonium in ceramic-type materials, 25:8200 (LA-4537)

Health and safety manual of Analytical Chemistry Group, 24:13726 (LA-4092)

LMFBR/FFTF fuel development analytical chemistry program, 24:26906 (LA-4407)

Methods of chemical analysis for FBR uranium—plutonium oxide fuel and source materials, 25:26153 (LA-4622)

Radiation characteristics of ^{238}Pu, 22:4604 (LA-3696)

- Sealed-tube dissolution method with applications to plutonium-containing materials, 21:6801 (LA-3554)
- Variability in the standardization of ceric sulfate solution for the titration of plutonium, 22:16414 (LA-3841)
- METZ, Claire D. Measurement of torques at low temperatures, 22:4527
  - Mechanical energy density of second sound in liquid He II, 21:37389
- METZ, D. J. Bibliography of publications and reports of Radiation Division, BNL, 8/65—6/68, 23:19902 (BNL-50132)
  - γ-radiation-induced ionic polymerization of pure liquid styrene. III. Effect of temperature, 25:23602
  - Pulse radiolysis studies of styrene, 21:23929
- METZ, Donald Investigation committee report of nitrate resin bed accident at Brookhaven HFBR, 22:32962 (BNL-12460)
- METZ, Donald J. Gamma radiation induced ionic vinyl polymerization, 21:27994 (BNL-11344)
  - Gamma radiation-induced ionic vinyl polymerization, 23:28897
  - Production of polyethylene and related compounds by radiation, 21:94 (BNL-10591)
  - Radiation and organic liquids, 22:42722 (BNL-50110)
  - Radiation—induced polymerization of pure liquid α-methylstyrene, 22:6350
  - Some general principles in the radiation chemistry of organic compounds, 21:95 (BNL-10592)
- METZ, R. Theory of quantized vortices, 22:50112
- METZ, Roger Nathan Variational quantized vortex flows in liquid helium, 22:50116
- METZ, S. Prog. rpt. on energy conversion plasma research, annual, 2/66—8/67, 22:34712 (AD-661327)
  - Prog. rpt. on plasma diagnostic techniques for nonequilibrium plasmas, annual, 9/67—10/68, 23:25290 (AD-679177)
- METZ, S. A. Production of vacancies by laser bombardment, 25:56313
- METZ, Siegfried Double-probes and scattering of a laser beam as diagnostic methods on a pulsed high-temperature plasma, 24:40039 (AD-704822)
- METZ, Walter C. Jr. Computer solution for three-dimensional time-invariant, conservative fields, 21:32058 (ORO-2430-37)
- METZBOWER, E. A. Dispersion relations for hexagonal close-packed crystal lattices, 23:16883
- METZDORF, H. J. First experiments with the zero power facility ECO, 22:18563
  - Time-of-flight analyzer based on a small on-line computer, 22:38066 (EUR-3933)
- METZE, G. Proceedings of seventh annual Allerton conference on circuit and system theory. Conference held October 8—10, 1969, Monticello, Illinois, 24:36641 (CONF-691043)
- METZE, V. Sideband diffraction, 25:963
- METZEL, E. Results of local irradiation by stereotaxic implantation of ^{192}Ir, 24:41941
- METZENROTH, M. Analysis of fast critical assemblies and large fast power reactors with group-constant sets recently evaluated at Karlsruhe, 23:4337
  - Analysis of fast critical assemblies and large fast power reactors, 23:33037 (EURFNR-625)
  - Group cross-section set KFK-SNEAK, 22:35627
  - Group cross-section set KFK-SNEAK: preparation and results, 22:6092 (EURFNR-397)
- METZGER, A. E. Gamma-ray spectroscopic measurements of Mars, 24:35139
- METZGER, C. Proton—nucleus interactions at 3 GeV/c in nuclear emulsions, 23:32616
- METZGER, C. A. Integrated waste-management system with a vacuum distillation-vapor pyrolysis radioisotope-fueled water-reclamation function, 22:16745
  - Vacuum distillation-vapor filtered, catalytic oxidation for water reclamation using radioisotopes for thermal energy, 24:44206
- METZGER, Courtney A. Application of radioisotopes for aerospace waste reclamation and water systems, 22:37953
  - Radioactive isotope distillation system for recovering water from waste in a spacecraft, 25:54911
- METZGER, F. R. B(E2) for the first 2^+ state in ^{60}Ni, 24:49828
  - Coulomb fragmentation of molecules, observed via the resonant scattering of gamma rays, 21:18417
  - Electric dipole transitions from the 2.6-MeV septuplet in ^{209}Bi, 24:15929
  - Lifetimes of ^{193}Ir levels, 25:12590
  - Nuclear resonance fluorescence in ^{185}Re, 21:31808
  - Nuclear resonance fluorescence in ^{193}Ir, 21:44698
  - Nuclear resonance fluorescence in ^{65}Cu, 22:41985
  - Prog. rpt. on electromagnetic properties of excited states of nuclei, annual, 1966, 21:12025 (NYO-3525-12)
  - Prog. rpt. on electromagnetic properties of excited states of nuclei, annual, 1967, 22:7661 (NYO-3525-26)
  - Prog. rpt. on studies of electromagnetic properties of excited states of nuclei, annual, 1968, 23:15431 (NYO-3525-36)
  - Prog. rpt. on studies of electromagnetic properties of excited states of nuclei, annual, 1969, 24:24551 (NYO-3525-48)
  - Radiative widths of levels in ^{58}Ni and ^{60}Ni, 25:12478
  - Resonant scattering of bremsstrahlung by ^{144}Nd levels, 24:43397
  - Spins and lifetimes of the 6.91- and 6.95-MeV excited states of ^{40}Ca, 22:13980
  - Studies of electromagnetic properties of excited states of nuclei. Final report, March 15, 1965—March 14, 1971, 25:56832 (NYO-3525-67)
  - Width of the 2.186-MeV 1^- level in ^{144}Nd, 24:15931
- METZGER, G. Acoustic spark chamber for low-energy electrons, 23:47825
  - Fast circuits using transistors in the avalanche mode, 23:47889
  - High-voltage fast pulse generators with spark gaps, 23:47888
  - Materials for construction of MOSEL reactors, 21:46858 (JUL-487-RW)
  - Operation of sampling spark chambers, 25:18778
  - Properties of a wide-gap spark chamber, 23:47758
  - Study of a cascade transistor trigger and application to a fast coincidence circuit, 21:6352
  - Study of high voltage pulse generator for application in a spark chamber, 21:12662
  - Theory of avalanches in streamer chambers, 24:9693
  - Very high voltage generator (kV range) utilizing transistors in the avalanche region, 21:28318
- METZGER, G. E. Survey of structural materials for molten salt experimental (MOSEL) reactor, 22:23770
- METZGER, G. P. Measurement of nanosecond very high voltage pulses, 22:23324
- METZGER, George V. In vitro phagocytosis of inert test particles, 23:50244
  - Some environmental factors influencing the in vitro phagocytosis of inert test particles, 22:25229 (UR-49-919)
- METZGER, Gilbert Displacement and its possibilities of application to radioelement analysis by isotopic dilution, 25:31828 (CEA-R-4100)
- METZGER, H. Peter Use of tritium oxide as precursor of macromolecules in brain and liver, 22:40572
- METZGER, J. Use of a small on-line computer in a wire spark chamber experiment, 22:47372 (PPAR-3)
- METZGER, Judith M. Determination of regional cerebral blood flow, 23:45819
- METZGER, L. Check of electron backscattering coefficients at 10 and 20 MeV, 23:7760
  - Radiation measurement technique, 23:24431 (TUBIK-9)
- METZGER, M. Interaction of a surface coating with edge and screw dislocations in zinc crystals, 21:43623 (COO-1198-478)
- METZGER, P. H. Auroral Lyman alpha observations. II, 25:22418
  - Auroral Lyman-alpha observations, 24:6434
  - Diurnal variation of the exospheric neutral hydrogen temperature, 24:51552
  - Observation of early-type stars from OGO-VI, 25:13813
- METZGER, Paul H. Observation of Early-type stars from OGO-VI, 25:16626 (AD-712691)
- METZGER, Pierre Spin of a particle, 21:17062
- METZGER, R. J. Inelastic electron and proton scattering from nuclei, 21:29902
- METZGER, W. Confirmation of the Ξ(1815) and evidence for a new Ξ resonance with mass 2030 MeV, 23:1592 (BNL-12808)
  - Evidence for Ξ^* resonance with mass 1930 MeV, 22:52940
  - Program and interfacing for "on-line" use of a PDP-1 computer for bubble chamber film analysis, 21:4693 (UR-875-167)
- METZGER, W. J. π^+p interactions at 900 MeV, 22:11591
- METZGER, Wesley J. Search for $I = 3/2$ Ξ resonances in K^-n interactions, 22:52936 (BNL-12864)
- METZGER, Wesley James Pi^+—p interactions at 900 MeV, 22:3278
- METZLER, Allan R. Deep ocean surface wave measuring buoy system, 21:30322 (NVO-98-29)
- METZLER, David E. Photochemical degradation of flavins. VI. A new photoproduct and its use in studying the photolytic mechanism, 25:41788
- METZLER, Robert E. Prog. rpt. on Automatic Remote Radiological Monitoring System, final, 7/66, 21:41060 (AD-647350)
- METZNER, H. Modes of emergency cooling of the SNR, 24:52762
- METZNER, R. Plastic scintillation spectrometer for electrons in energy range 2 to 20 MeV, 22:10584
  - Radiobiological investigations with fast neutrons. I, 25:24397
  - Radiobiological investigations with fast neutrons. II, 25:55266
- METZNER, Wolfgang Process of producing moulded masses and coated substrates, 25:41847
- MEUBUS, P. Temperature distributions in a helium plasma, 25:14254
  - Velocity distributions in a gaseous plasma. I, 25:14252
  - Velocity distributions in a gaseous plasma. II, 25:14253
- MEUDON, J. D. Method and apparatus for analysing radioactive aerosols, 24:2460
- MEUER, Hans Werner Numerical treatment of energy-dependent, one-dimensional transport equation with source terms, 21:44523 (JUL-444-MA)
- MEULDERMANS, R. Operators in current algebra sum rules, 24:1534
- MEULDERS, J. P. Corrections for multiple scattering during neutron scattering, 23:19139
  - Interaction of fast neutrons with ^{12}C, 25:17745
  - Spectrometry of fast neutrons, 23:47788
- MEULDERS, J.-P. Resonant states in ^{13}C, 24:49766
- MEULEMAN, J. Construction and characteristics of lithium-compensated germanium detectors, 22:33648
  - Ionizing radiation detector, 25:8498
  - Radiation detectors having a semiconductor body, 23:26533
  - Recent developments of well-type detectors with less than 5 microns dead-layer, 25:57799
  - Reverse epitaxial silicon diode for hybrid photomultiplier tube, 22:40500
- MEULEMAN, Johannes Nuclear semiconductor detector and its manufacture, 25:34882
- MEULEMANS, M. Regular network of anti-phase boundaries in the x-phase of the system Fe—Cr—Mo—Ti, 25:13711
- MEULEMANS, Marcel Apparatus for electronic bombardment of a target, 22:8287
- MEULENBERG, A. Note on the β-circularly polarized γ angular correlations in the decays of ^{46}Sc and ^{56}Co, 23:7288
  - Search for an M1 admixture in $2+' \rightarrow 2+$, $\Delta K = 0$ transition in ^{154}Gd, 22:27187
  - Space radiation simulation using a low-energy accelerator, 25:45866
  - Test of M1-E2 mixing in decay of $2^{+\prime\prime}$ beta vibrational states, 22:7709
- MEULENBERG, A. Jr. Beta-gamma circular polarization correlation in the decay of ^{48}V, 22:7682
  - Simple automatic angular correlation system, 21:17883
- MEULENBERG, Andrew Jr. Beta—circularly polarized γ angular correlation studies of ^{48}V, ^{46}Sc, and ^{56}Co, 23:23668
- MEULLER, Harold A. Laser effects on the eye, 23:22401
- MEUN, Dieter H. C. Repair of radiation-induced damage in E. coli. I. Effect of rec mutations on post-replication repair of damage due to ultraviolet radiation, 24:46686
- MEUNIER Scattering π^- on ^{12}C in range 100 to 300 MeV, 23:25834
- MEUNIER, C. Reactivity meter CMR-66, 22:37545
- MEUNIER, Claude Safety of MELUSINE after raising power to 4 MW, 22:22807 (CEA-R-3131(Vol.2))
  - Safety of MELUSINE after raising power to 4 MW, 22:22806 (CEA-R-3131(Vol.1))
- MEUNIER, F. Coupling between ferromagnetic layers through a superconductor, 23:18539
  - Critical temperature of mixtures of superconductors and anthraquinone, 22:17543
  - Enhancement of superconductivity by semi-metallic (or semiconducting) inclusions, 23:1325
  - Proximity effects between superconductors and ferromagnetic domains, 21:31356
  - Superconductivity and phonon spectra of AlGe thin films, 25:40567
  - Upper critical field of a superconductor backed by a normal metal, 22:1080
- MEUNIER, J. Cells associated with reactors, 24:31554
- MEUNIER, Jean Cells associated with nuclear reactors, 24:22921 (CEA-CONF-1419)
  - Method of manufacturing sintered articles from metal oxides, 24:48883
  - Nuclear reactor refuelling installation, 25:20838
  - Reactor fuel charge-discharge, 25:23417
- MEUNIER, Maurice Spectroscopic methods of measurement of high temperatures, 22:13448
- MEUNIER, R. Detection efficiency of several phototubes for Cherenkov radiation, 22:33637 (CERN-68-14)
  - Experimental studies on a magnetic prism, 23:47891
  - Experimental study of the magnetic prism of an electromagnetic isotope separator, 22:6700
  - Sidonie, the new electromagnetic isotope separator at Orsay. II, 24:39155
  - Sidonie, the new electromagnetic isotope separator at Orsay. I, 24:39156
  - Storage rings and tangent accelerators, 21:21320 (CERN-65-39)
- MEUNIER, Robert Contamination processes during gas collections in milligram quantities, 25:44517 (BMBW-FBK-70-28, pp 209-12)
  - New electrode geometry for the formation of diverging ions beams in the presence of space charge, 25:44521 (BMBW-FBK-70-28, pp 331-6)
- MEUREE, N. Influence of the adsorption of thiourea on electrode processes at the mercury electrode, 25:34560
- MEURERS, J. Random number generators and application to astronomical problems, 24:4973
- MEURERS, Joseph Systematic motions in star groups, 22:8890
- MEURET, G. Interpretation of T_3 uptake test, 24:29651
- MEURET, Gerhard Treatment of chronic lymphatic leukemia by extracorporeal irradiation, 23:38718
- MEURK, M. L. Intercomparison and calibration of high-energy x-rays and electrons, 23:50508
- MEURK, Mary Louise Lithium fluoride dosimetry under hyperbaric conditions, 23:41328
  - Phantom dosimetry study of shaped ^{60}Co fields, 22:51637
- MEURS, J. B. Reaction ^{23}Na$(\alpha,\gamma)^{27}$Al. II, 25:48067
- MEUSEL, Wilhelm Control rod drive for reactors, 25:10188
- MEUSER, M. H. Fabrication, construction, and installation quality assurance requirements for the FFTF, 22:50793 (BNWL-511)
- MEUSER, R. Superconductivity for high energy physics at LRL-Berkeley, 25:3510
- MEUSER, R. B. Superconducting pulsed synchrotron dipole and dc beam transport magnets, 25:33907 (UCRL-20188)
  - Superconducting solenoid having a horizontal axis and a room-temperature aperture, 23:6249
- MEUSER, Robert B. End effects in superconducting beam-transport magnets, 25:33906 (UCRL-20184)
  - High-gradient drift-tube quadrupole magnets, 21:9874 (UCRL-17156)
  - Losses in pulsed superconducting magnets, 24:20275 (UCRL-18885)
  - Magnetic shields for superconducting bending and quadrupole magnets, 22:41907 (UCRL-18318)
  - Secondary beam magnets for 200-GeV accelerator, 21:25362 (UCRL-17269)
  - Solenoid having a horizontal axis and a room-temperature aperture, 22:31734 (UCRL-18179)
  - Superconducting magnets for 200-GeV accelerator experimental areas, 22:46641 (UCRL-18382)
- MEUSSNER, R. A. Extraction of N, C, and O from Nb, 23:18188
- MEUWISSEN, H. J. Cell proliferation in antibody-deficient chickens, 23:31667
- MEUWISSEN, Hilaire J. Function of irradiated blood elements. I. Limitations on the response to phytohemagglutinin as an indicator of immunocompetence in irradiated lymphocytes, 25:37741
- MEWALDT, R. A. Inexpensive system for defining and monitoring external accelerator beams, 22:24761
  - Programs for analysis of scattering angular distributions, 22:3745 (ANL-7306)
  - Propagation of very heavy primary cosmic ray particles, 24:23829 (CONF-690814-9)
- MEWE, R. Approximate cross sections and rate coefficients for ionization, excitation, and recombination of hydrogenic ions and atoms, 25:19489 (NP-18680)

Heating of a pinch, 25:22478
Influence of metastable atoms on floating potential of Langmuir probe, 24:32818
Model for ionization and recombination in hydrogenic plasma, 25:22531
Plasma particle balance in positive column of discharge in He, 24:49126 (NP-18450)
Positive column of discharges in helium at intermediate pressures. II, 24:42667
Positive column of discharges in helium at intermediate pressures. I, 24:42666
Relative intensity of helium spectral lines as a function of electron temperature and density, 21:11614
Stepwise ionization and atomic level populations in a helium discharge. rijnhuizen report 69-50, 23:20662 (NP-17810)
MEWHERTER, J. L. Epithermal measurements of capture and fission resonance integrals in ^{235}U, ^{233}U, ^{239}Pu, and ^{241}Pu, 25:31353
Resonance overlap of ^{233}U and ^{233}Pa, 24:33330
MEWHINNEY, J. A. Safety aspects of research with respirable radioactive aerosols, 24:31662
MEWHINNEY, James Albert Fate of ^{252}Cf in rat, 25:57922
MEWISSEN, D. J. Ageing and neoplasia following tritiated thymidine injection in mice, 22:43419
Analysis irradiated morbidity and mortality of children, 24:23379 (CONF-690501-, pp 651-9)
Comparative late effects in mice following fast neutron external irradiation versus tritiated thymidine internal irradiation, 25:42664
Relative biological effectiveness of fission neutrons in whole-body irradiation of mice, 21:8943
Threshold dose and radiocarcinogenesis in C57 black mice, 22:38481
MEWISSEN, Dieudonne J. Comparative late effects in mice following fast neutron or ^{60}Co irradiation, 25:42630
Tumorigenic effects of small amounts of radiation, 24:51031 (CONF-691212-, pp 413-24)
MEWISSEN, L. Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35593 (EURAEC-1882)
Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35594 (EURAEC-1882(Annex))
MEWISSEN, W. Lattice characteristics determination by pulsed neutron technique, 23:11301 (RCN-98, pp 493-521)
MEY, G. Formation of metal-carbide layers on wear-stressed tools, 25:49520
MEY, J. Single-channel amplitude rapid pile-up selector, 22:16943
Some recent works in the field of fast nuclear electronics, 23:50112 (CEA-CONF-1339)
MEY, Jacques Improvements in or relating to time measuring arrangements, 21:12679
MEYBECK, A. Photo-oxidation of the peptide group. II, 21:30779
Photooxidation of the peptide group. I, 21:28348
MEYBECK, Alain EPR study of irradiated peptides, 24:9733
MEYBECK, J. Photo-oxidation of the peptide group. II, 21:30779
Photooxidation of the peptide group. I, 21:28348
MEYBORG, F. Light- and electron-microscopic findings in liver tissue of rabbits following high doses of ^{60}Co irradiation, 25:32540
MEYER, A. Anodic oxidation of rare earth—aluminum compounds, 22:50990
Erbium—aluminum and yttrium—aluminum solid solutions, 22:26060
MEYER, A. F. A. Photoproduction of Δ^{++} isobar, 23:23405
MEYER, A. J. P. Magnetization and specific heat of Fe—Be alloys, 23:30652
MEYER, A. R. Sensitization and thermal stabilization of Ni—Cr—Mo—Fe—W alloy, 21:9166
MEYER, A. S. Analytical chemistry for reactor projects, 22:14427 (ORNL-4196, pp 15-32)
Analytical chemistry for reactor projects, 24:13735 (ORNL-4466, pp 26-41)
Applications of gas chromatography in nuclear technology, 22:33257
Special research and development activities, 22:14428 (ORNL-4196, pp 33-44)
MEYER, Alfried Testing of reactor vessels, 25:37554
Welded joints in the primary circuit of nuclear power stations, 25:37940
MEYER, Andre R. Electrodeposition of rhenium, 23:36042
MEYER, Andre-J.-P. Magnetic properties and electron state transfers in systems Fe—Be, Co—Be, Ni—Be, 22:20079
MEYER, Axel Pseudo-atom phase shifts of liquid metals and alloys, 21:11394 (ORNL-P-2569)
MEYER, B. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
Experimental test of baryon conservation, 21:37694
High energy neutrinos underground, 23:46599 (UCI-10-P-19-11)
Preliminary results of electric field measurements in the auroral zone, 22:13332
Zeeman effect on phosphorescent lifetime of matrix isolated SO_2, 23:13694 (UCRL-18657)
MEYER, B. R. Thick-target yield for the production of ^{87}Y by the irradiation of natural rubidium chloride with alpha particles, 25:32011
MEYER, B. S. Cosmic-ray muon intensity deep underground versus depth, 24:37288
MEYER, Bernhard Correlated neutrons in a Simpson Pile, 23:18459 (SC-T-69-1009)
MEYER, Bruce Design of radiographic linac, 24:3807
MEYER, Bruce C. Practical applications of neutron radiography in nondestructive visual examination of aerospace hardware, 22:38125
MEYER, C. Deferred luminescence at 4.2K in an organic glass, 25:52921
MEYER, C. T. Calculated dose rates for ^{238}Pu dioxide, 22:31060 (MLM-1460)
Latent image fading in personnel neutron monitoring film, 22:38102 (MLM-1490)
Method for determining the particle size of airborne dust, 23:33690 (MLM-1596)
Personnel monitoring neutron film, 24:2664
MEYER, Charles E. MH-1A steady state and transient thermal-hydraulic design analysis, 24:26821 (AD-700135)
MEYER, Charles Jr. Experimental approach to circumstellar condensation, 25:40275
MEYER, Colette Decoloring Cyanophycene algae by extraction of their pigments, 25:57236 (LA-tr-71-73)
MEYER, D. Determination of ^{131}I in urine, 23:2241
Elastic differential cross sections for π^{+-} + p scattering from 2.3 to 6.0 GeV/c, 21:37705
MEYER, D. I. Cross section and polarization in $\pi^+ + p \rightarrow K^+ + \Sigma^+$ from 3 to 7 GeV/c, 23:36846
Differential cross section of $\pi^+ + p \rightarrow K^+ + Y^*(1385)$ at 4.0 and 5.05 GeV/c, 24:1524
Largle-angle differential cross section for K^+p elastic scattering at 4.0 and 5.0 GeV/c, 25:43559
New configuration for a dipole magnet, 24:30627
Structure in 5-GeV/c π^+p elastic scattering at large angles, 24:32967
MEYER, Dean D. Air monitoring and its evolution at the LASL Pu facility, 23:16286 (LA-4076)
MEYER, E. A. Operation of the LAMPF 750-keV injector, 25:50295
Performance study of the orbitron ionization gage, 21:19889
Test of LASL ion source with 200-kV Pierce accelerating column, 23:27943
MEYER, Earl A. LASL experience with a duoplasmatron feeding a 750-kV exact Pierce column, 25:53418 (LA-DC-13015)
MEYER, Eugene Jr. Cluster configurations in nuclei, 23:25966
Shell model of nuclear structure, 22:32721
MEYER, F. Generation of oscillations in the solar atmosphere in single granule, 21:18375
Magnetically aligned flows between sunspots, 24:30103
Operations problems of nuclear power plants, 22:7825
Toroidal plasma equilibrium configurations with zero total azimuthal current, 21:31468 (NP-tr-1556)
MEYER, F. H. Corrosion testing of materials in liquid propellant systems, 25:16413
MEYER, Friedrich Flare-produced coronal waves, 23:36425
MEYER, G. Inactivation by uv light of Polyoma virus: cell surface antigen, 25:27107
Influence of UV irradiation of polyoma virus on transplantion antigen, 24:29895
Protective capacity of uv-irradiated polyoma, 23:26707
System $NbCl_5$—Nb_2O_5. V, 22:11048
Transplantation antigen in polyoma virus—hamster system, 23:47986
MEYER, G. E. Prog. rpt. on solid solution strengthened high purity Be alloy sheet, 8—9/66, 21:11199 (NP-16451)
MEYER, G. L. Preshot geophysical studies of cabriolet nuclear crater site, 23:47624 (PNE-953)
Use of environmental isotopes in hydrology, 23:31424
MEYER, G. Lewis Lithology and geophysical properties of "Greeley" medium, 21:39045 (UCRL-50142)
Macrodeformation resulting from Handcar event, 21:14345 (UCRL-50149)
Preshot geophysical properties of palanquin crater site, 23:7655 (PNE-906)
MEYER, Gerard Radioactive ceramic source manufacture, 21:34416
MEYER, Guenther F. Spermiogenesis in Drosophila, 23:43727
MEYER, Gundolf Parameters of superconductivity for some β-tungsten compounds, 23:12726
MEYER, Gustav Determination of the average lifetime of 5.105-MeV (2^-) levels in ^{14}N with the help of the recoil method, 24:26588 (CONF-680461-9)
MEYER, H. Density of dilute ^{3}He—^{4}He solution under pressure, 21:43959
Detector probe for encapsulated Ge(Li)'s directly immersed in liquid nitrogen, 25:57800
Fabrication of encapsulated Ge(Li) detectors for γ-spectroscopy, 23:9697 (EUR-4063)
Melting curve of ^{3}He, 22:22102
Monitoring of operations: leak testing, 24:36537 (JUL-603-ST, pp 139-42)
Monitoring of operations: monitoring of departments, 24:36754 (JUL-603-ST, pp 128-38)
Performance tests for Ge(Li) spectrometers, 23:41040 (EUR-4289, pp 171-8)
Properties of ^{3}He near critical point, 22:22111
Semisterility for insect control, 25:29752
Spectral performance of Ge(Li) pulse height spectrometer at high event rates, 23:33478 (EUR-4240)
Spin diffusion in solid ^{3}He, 21:39950
Total cross section for photoproduction of hadrons on hydrogen and deuterium between 1.0 and 6.4 GeV, 24:40226 (DESY-70/17)
Total cross section for photoproduction of hadrons on H and deuterium between 1.0 and 6.4 GeV, 24:51890
Total photoproduction cross section of hadrons on nuclei, 25:25281 (DESY-71/5)
Total photoproduction cross section of hadrons on nuclei, 25:27953
MEYER, H. G. Distribution of thorium isotopes in fractionation of a uranium ore dressing, 23:6229
Joint determination of ^{230}Th and ^{232}Th, 23:11432
Non-destructive determination of uranium and thorium in geological materials by resonance-neutron activation analysis, 25:48480
MEYER, H.-G. Distribution of ^{230}Th, ^{232}Th, and ^{238}U in leaching fractions of U ores, 23:19816 (BMwF-FBK-68-54)
MEYER, H.-J. Aspects of in-service inspections on reactor pressure vessels in Germany, 25:51739
Ultrasonic in-service inspection of reactor pressure vessels, 25:29290
MEYER, H.-R. Amorphous polyamide from terephthalic acid and branched diamines, 21:17658
MEYER, Hans Juergen Ultrasonic testing in the practice of machine and boiler construction, 21:26128 (ORNL-tr-1369)
MEYER, Helen U. Prog. rpt. on genetic effects of low x-ray doses in Drosophila, 9/69—8/70, 24:50808 (COO-2001-2)
MEYER, Helen Unger Prog. rpt. on genetic effects of low x-ray doses in Drosophila, annual, 8/70—8/71, 25:49150 (COO-2001-3)
MEYER, Helmut Leakage rate determination from reactor safety vessels, 23:24031
MEYER, Hermann-Wolf Clinic of nuclear medicine of Berlin Rudolph—Virchow-Hospital as model for optimized building for radiation protection, 23:26815
MEYER, Horst Chemical potential of ^{3}He—^{4}He solutions near the tricritical point, 25:40508
Density, coefficient of thermal expansion, and entropy of compression of liquid ^{4}He under pressure below 1.4 deg K, 21:7151
Measurement of (deltaP/deltaT)/sub v/ and related properties in solidified gases. I, 22:31759
Nuclear relaxation in solid ^{3}He at low temperatures, 22:1303
Properties of liquid ^{4}He under pressure, 22:5279
Sublattice magnetization in europium iron garnet, 22:31956
Sublattice magnetization of several rare-earth iron garnets, 22:31955
MEYER, Irving Tissue healing and infection in experimental animals irradiated with ^{60}Co and orthovoltage, 21:8970
Variance in hamster pouch carcinogenesis in tissue irradiated with 200 KVP x-rays and ^{60}Co x-rays, 24:50958
MEYER, J. Asymmetries produced by 28-MeV vector-polarized deuterons in elastic scatterings on ^{12}C, ^{28}Si, ^{40}Ca, 24:38099 (LYCEN-7021)
Baryonic resonances with S not equal to 0, 22:32057
Compressor for a high pressure helium circuit for cooling high temperature fuel elements during irradiation experiments, 25:28833
Derivation of cranking equations from Kerman—Klein formalism, 22:30060
Description of static quadrupole moments of 2_1^+ states by HF equations, 25:31424
Development of spark discharges in hydrogen, 23:44410
Development of the discharge plasma in a hydrogen spark at small pd values, 23:16794
Diffraction model with surface absorption, 22:14112
Elastic scattering ^{12}C(d,d)^{12}C, ^{28}Si(d,d)^{28}Si, and ^{40}Ca(d,d)^{40}Ca, 25:3585
Enhanced scattering of laser light by optical mixing in a plasma, 25:45476
Inelastic electron—proton scattering in the region of the Δ (1236) resonance, 25:43527 (DESY-71/21)
Measurement of the broadening of silicon lines by electrons and hydrogen atoms, 25:9187
Microscopic description of nuclear rotation by generalized Green functions, 24:5462
Optical mixing in a magnetized plasma, 25:52882
Polarisation effect contributing to the isomeric shift in rotational nuclei, 24:52711
Reconstruction of amplitudes for pion—nucleon scattering from experimental data, 25:43640 (LYCEN-7110)
Reconstruction of amplitudes for pion—nucleon scattering from experimental data, 25:59498
Research at the PS. II, 24:49659
Resonance formation in reactions $K^-p \rightarrow K^+\Xi^-$ and $K^-p \rightarrow K^0\Xi^0$, 23:10758
Significance of a visible lunar influence on the spectrum of geomagnetic activity, 21:5154
Stray baryonic resonances and SU(3), 25:14771
SU3 fractional parentage in the 1-p shell, 25:23062 (LYCEN-7078)
MEYER, J. A. Dimensional stabilization of wood using radiation techniques, 22:10283
Excitation of the auroral green line of atomic O, 23:44262
Reactions of methyl radicals with aromatic hydrocarbons, 22:37732
Resonance fluorescence of the CN free radical, 24:23664
Wood-polymer combinations using radiation techniques, 21:45153
MEYER, J. E. Analysis of a waterlogged fuel element subjected to a power excursion, 22:30170
Calculated dimensional changes and failure analysis of irradiated bulk oxide fuel test rods, 21:1963 (WAPD-TM-583)
Comparison with experiment of calculated dimensional changes and failure analysis of irradiated bulk-oxide fuel test rods using the CYGRO-1 computer program, 21:8134
GLUB-1: computer program for waterlogged fuel element analysis, 21:14115 (WAPD-TM-569)
MEYER, J. F. Argonne variable-temperature rodded-zone facility, 24:7173
Sodium-vapor monitor, 25:6046
MEYER, J. M. Uranium content of some dental porcelains and beta-activity, 24:36150
MEYER, J. P. Chemical forms of ^{37}S produced by reaction ^{37}Cl(n,p)^{37}S, 21:25915
Chemical forms of ^{37}S resulting from neutron irradiation of LiCl in solution in methanol, 25:13071
Chemical forms of sulfur produced by ^{36}S(n,γ)^{37}S reaction in ammonium salts, 25:32024
Chemical state of ^{37}S resulting from reaction ^{37}Cl(n,p) on Li chloride in the solid state, 21:28044
Isotopic composition of the cosmic radiation, 23:14653

Measurement and interpretation of isotopic composition of H and He cosmic-ray nuclei, 22:36757 (N-68-10507)
MEYER, J.-C. Decay of ^{81}Se, 23:15407
MEYER, Jack Tait Radiation measurement instrument, 25:23884
MEYER, Jacques Application of the differential equation method to the study of a nonrelativistic feynman amplitude, 25:10065
Diffraction model for elastic scattering of particles of medium energies, 21:40468 (LYCEN-6729)
Graphical treatment of Wick's theorem, 24:15500 (LYCEN-7001)
Scattering of 28-MeV deuterons on nuclei containing equal numbers of neutrons and protons, 22:35234
Use of differential equation method to study nonrelativistic Feynman amplitudes, 25:1649
MEYER, James F. Point source Green's function for neutral particle transport, 23:36811
Point source Green's functions for neutral particle transport, 24:24908
MEYER, James Frederick Point source Green's functions for monoenergetic neutral-particle transport, 23:39923
MEYER, James W. Covariant classical motion of electron in a laser beam, 25:14506
Equal-time commutation relations of the isovector current densities, 21:42441
Nucleon form-factor sum rules from the nonforward retarded commutator, 21:15342
Off-mass-shell approach to nucleon resonances of spin $^3/_2$ and isospin $^1/_2$, 23:3737
Sum rules based on causality, 21:18929
Wavepacket Volkov solutions, 24:15526
MEYER, Jean-Louis Study of the vibrational spectra of isothiazole and the infrared spectra of three mono and dideuterio isothiazoles, 25:51446
MEYER, Jean-Paul Galactic cosmic-ray deuterons and energy spectra of sources, 25:7201
MEYER, Jerzy Changes in eye of rabbits with radiation sickness, 23:50862
MEYER, John L. Jr. Reaction of nitric oxide with triphenylmethylperoxy radical, 21:40907
MEYER, John Louis Hexanuclear mixed-metal cluster compounds containing tantalum and molybdenum, 25:2002 (IS-T-402)
Preparation and infrared spectra of some polynuclear tantalum halide compounds, 21:44972 (IS-T-195)
MEYER, John W. Cratering in Greenland icecap snow, 25:13133 (AD-711861)
MEYER, K. Approximate method of estimating burn-up in a pressurized-water reactor, 21:15712
Coarse-graining of Hamiltonian in quantum-mechanical foundation of neutron transport theory, 22:35547
Equilibrium distribution of the thermal neutrons, 21:42534
Foundation of the Boltzmann equation of neutron transport theory, 21:5479
Fuel consumption in reactor operation with varying duration of campaigns, 25:60216
Neutron physics research in nuclear reactors, 22:14172
Nuclear power plants as technological and physical systems, 25:53924
Operational behaviour of the Rheinsberg nuclear power plant reactor, 23:47143
Quantum mechanical derivation of neutron transport equation, 22:20425
Reactor-physical and economical aspects of fuel burnup calculation, 25:37021
Recent methods of burn-up calculation in thermal reactors, 24:52988
MEYER, K. P. Application of low geometry coincidence methods in measurements of disintegration rates, 21:1623
Application of low-geometry coincidence methods to measurements of disintegration rates, 22:14772
MEYER, K.-P. Thermoluminescence of Z_1 centers in Ca-doped KCl crystals after x irradiation, 23:7039
MEYER, Kenneth A. Three-dimensional study of flow between concentric rotating cylinders, 23:43239 (LA-4202)
MEYER, Kenneth K. Radiation-induced lymphocyte-immune deficiency, 24:51081
MEYER, Klaus Nuclear reactor operated with thickened fuel slurries, 21:2858
MEYER, L. A developmental gas-cooled fast breeder reactor plant, 24:24796
Design studies for 1000 MWe gas-cooled fast breeder reactors, 23:28432
Flow model tests of the reactor outlet plenum for 330 MW(e) HTGR, 21:27671 (GA-7638)
Industrial nuclear power plants using AGR, 24:4111
Multiple scattering of low-energy heavy particles, 24:42529
Plural and multiple scattering of low-energy heavy particles in solids, 25:33401
MEYER, L. H. Applications of radioisotopes. Nuclear engineering. Part XXII. Symposium held in Chicago, November 30—December 1, 1970, 25:44550
MEYER, L. M. Characterization and differentiation of ^{57}Co vitamin B_{12} in vitro binders in human serum, 24:29659
MEYER, Leo A. Atomic energy in industry, 24:39160
MEYER, Leo M. Medical survey of people of Rongelap and Utirik Islands, 21:26470 (BNL-50029)
MEYER, LeRoy Carl Galvanomagnetic effects and related phenomena in semiconductors and dielectrics in a radiation environment, 21:17949
MEYER, Lois E. Use of Argonne National Laboratory computers in nuclear engineering education, 25:6194
MEYER, Lothar CD_4: crystal structure and solid phase diagram with Ar, 24:25039
Ion motion and vortex-ring formation in liquid ^{4}He and ^{3}He—^{4}He, 23:30469
Unsaturated helium films as quantum fluids, 25:25007
MEYER, M. Condensation of an atomic beam of gold on a monocrystalline surface, 22:19777
MEYER, M. A. Excited states of ^{28}Si, 24:30744
Excited states of ^{28}Si by means of ^{27}Al(p,γ)^{28}Si reaction, 24:3895
Resonances in the ^{30}Si(p,γ)^{31}P reaction between 2 and 3 MeV, 21:27542
Spins and decay schemes of ^{30}Si(p,γ)^{31}P resonance levels at E/sub p/ = 2 to 3 MeV, 22:27028
Study of excited states of ^{31}P with ^{30}Si(p,γ)^{31}P reaction, 22:9823
MEYER, M. L. Conference on experimental stress analysis and its influence on design, Cambridge, Eng., 4/70, 25:54846
MEYER, M. W. Strontium-90 on the Earth's surface, 22:42885
MEYER, Mary B. Effects of prenatal x-ray exposure on later reproductive performance, 23:45933
Sex ratio of children born to mothers who had been exposed to x rays in utero, 23:20404
MEYER, Milton W. Strontium-90 on Earth's surface. IV, 22:27917 (TID-24341)
MEYER, N. I. Measurements on silicon implanted with channeled and nonchanneled dopant ions, 22:26490
MEYER, O. Analysis of Rb and Cs implantations in Si, 24:51800
Behavior of group II and VI elements implanted in Si, 24:28406
Characteristics of ion-implanted contacts for nuclear particle detectors. I, 23:26548
Characteristics of ion-implanted contacts for nuclear particle detectors. II, 23:26547
Characteristics of ion-implanted contacts for nuclear particle detectors. I, 24:5883 (EUR-4269, pp 161-76)
Characteristics of ion-implanted contacts for nuclear particle detectors. II, 24:5884 (EUR-4269, pp 177-92)
Electrical properties of alkali implants in silicon, 25:19780
Enhanced diffusion and out-diffusion in ion-implanted silicon, 24:45322
Enhanced outdiffusion in ion-implanted silicon, 24:28422
Enhanced oxidation on ion-implanted silicon, 24:40169
High precision nuclear spectrometry with semiconductor counters, 23:6305 (KFK-778)
High resolution particle-detectors produced by ion-implantation, 22:323
Lattice location and dopant behavior of Group II and VI elements, 25:27856
Preparation of cylindrical coaxial-drifted germanium detectors with large active volume, 22:6615
Semiconductor counters with thin window n^+ and p^+, 22:40387
MEYER, P. Detector system for cosmic ray electrons, 24:44322
Prog. rpt. on pulsed neutron application to power reactor start-up procedures, 4—7/66, 21:27678 (GEAP-5276)
Quadripole probe for study of ionospheric plasma resonances, 24:37353
Use of a pseudorandom source input in the measurement of impulse-response functions, 21:30127 (CONF-660206, pp 333-42)
MEYER, P. E. Automated modular light water reactor calculation code package, 25:57172 (CONF-710302-(Vol.2), pp 983-90)
MEYER, P. J. Plutonium production and use in Euratom countries, Great Britain and U.S.A, 23:24809 (NP-tr-1749)
MEYER, P.-J. Plutonium production and use in Euratom countries, Great Britain, and USA, 22:28729
MEYER, Pascal Possibilities for the study of resonances of ionospheric plasma using a mutual-impedance probe, 21:31420
MEYER, Paul Impulse response measurements, 23:47318 (CNM-R-2(Vol.3), pp 1589-1604)
Pulsed-neutron measurements in power reactors, 21:7928
MEYER, Peter Charge composition and energy spectrum of primary cosmic-ray electrons, 24:5015
Cosmic rays in the galaxy, 23:44200
Diurnal intensity variation of low-energy electrons, 21:43920
Electron component of cosmic rays, 23:46304
Primary cosmic-ray electron energy spectrum from 10 to 200 MeV, 23:51410
Storage and diffusion of cosmic-ray electrons in the galaxy, 22:21942
MEYER, Ph. Algebra currents and the deviation from the ΔI absolute value = $^1/_2$ rule in K $\rightarrow$ 3π decay, 21:44344
Algebra of current and deviation from Δ I vector absolute value = 1/2 rule in K $\rightarrow$ 3 π decay, 21:40187 (LPTHE-TH-207)
Algebra of currents, 21:33665
Conserved vector currents and broken symmetries, 22:15826
Galilean invariance in the infinite momentum frame and the parton model, 25:59431
Introduction to current algebra and its applications, 22:7462
MEYER, Philip E. Approximate resonance treatments for light-water-moderated systems, 24:33539
MEYER, Phillippe High energy neutrino reactions, 22:11630
MEYER, R. Fritting and compression of the diborides of Ti and Zr with transition metal additions, 24:4830
Internal rotation and vibration in CH_3: CCl—CH_2D, 23:11517
Laser surgery of angiomas, 23:29664
Laser treatment of angiomas, 23:29661
Preparation of Zr—Cu and Zr—Cu—Mo alloys by sintering the hydride powders, 22:6952
Sintered, porous metallic elements: their properties and applications, 21:9168
Trigonometric interpolation method for quantum-mechanical problems, 24:28453
MEYER, R. A. ABE-1: externally cooled high conversion ratio: advanced beryllia fuel element, 21:27669 (GA-6846)
Advanced BeO fuel studies, 21:1958 (GA-7120)
Advanced BeO fuel studies, 23:8352
Band properties of even-even nuclei with small deformations, 22:32580 (UCRL-71049)
Calculation of induced radioactivity in electron sterilized food, 21:14782
Coriolis coupled $^3/_2$[651] band in ^{155}Gd and the decay of 4.9 y ^{155}Eu, 23:40079
Decay of ^{124}Sb isomers to levels of ^{124}Te, 23:23692
Decay of ^{147}Eu to levels in ^{147}Sm, 21:38368
Decay of ^{155}Tb to levels in ^{155}Gd, 23:13266 (UCRL-71092)
Decay of ^{155}Tb to levels in ^{155}Gd, 23:44902
Design and analysis of SEFOR Core I, 24:43763 (GEAP-13598)
Electron capture and positron decay of ^{57}Ni to levels of ^{57}Co, 23:13227 (UCRL-71093)
Electron capture and positron decay of ^{57}Ni to levels of ^{57}Co, 23:44861
Fast reactor meltdown accidents using Bethe—Tait analysis, 22:1761 (GEAP-4809)
Fast reactor meltdown accidents using Bethe—Tait analysis, 22:20853
Fuel failure detection capability at SEFOR, 25:41442
Investigation of gamma rays in the decay chain ^{149}Gd $\rightarrow$ ^{149}Eu $\rightarrow$ ^{149}Sm, 22:5838
Irradiation effects on hot pressed BeO matrix fuel between 800 and 1600°C, 23:3158 (GA-8559)
Levels of ^{124}Te from the decay of 4.2-day ^{124}I, 24:15934
Levels of ^{135}Ba populated in decay of ^{135}La, 25:25784
Levels of ^{246}Cm from the β^--decay sequence ^{246}Pu(11 days) /sup 246m/Am(25 min)^{246}Cm, 25:31378
Precise determinations of high-energy gamma rays and errors in the pair-peak method, 23:683
Single-particle and core-coupled states in ^{57}Co, 23:37179
Status of development of dispersed fuel particles in a beryllium oxide matrix, 21:13255 (GA-7069)
Transitional nuclei. I, 22:37354
Transitional nuclei. II, 22:53200
Two-phonon triplet in ^{136}Ba and decay of ^{136}La, 24:13372
Two-quasiparticle states of ^{82}Kr populated in the decay of /sup 82g/Br, 24:26616
MEYER, R. D. Experimental demonstration of the effects of small doses by combination irradiations, 21:22764
Negative thermal expansion in UZrH reactor fuel, 24:32496
MEYER, R. F. Form factor in Fermi quark model, 23:32645 (DESY-69/17)
Form factor in Fermi quark model, 23:39650
MEYER, R. J. Analytical research and development, 21:4433 (ANL-7125, pp 241-3)
Analytical research and development, 21:45005 (ANL-7325, pp 201-3)
Determination of burnup of fast reactor fuels, 24:1996 (ANL-7575, pp 177-80)
Feasibility study of the identification of fuel-cladding failures using sodium-soluble isotopic tags, 25:60083 (ANL-7785)
Interim methods for the analysis of sodium and cover gas, 25:31764 (ANL/ST-6)
Trace-element behavior in sodium, 23:45179 (ANL-7520(Pt.1), pp 291-4)
MEYER, R. O. Migration of plutonium and uranium in mixed-oxide fuels irradiated in a fast flux, 25:40139
MEYER, R. T. Explosive combustion of Zr droplets, 24:19385
Flash photolyzed reactions monitored by time-of-flight mass spectrometry, 22:35779 (SC-RR-68-162)
High-temperature permeation of zirconia microspheres by nitrogen and oxygen, 23:22654 (SC-RR-69-160)
Mass spectrometric studies of nitrogen evolution from prenitrided zirconium droplets burned in pure oxygen, 24:48799
MEYER, R. W. Constructive interference in small-angle K^+p elastic scattering at 5 GeV/c, 24:24255
MEYER, Rene-Luc Cyclotron resonances observed in scattering cross section of visible wavelength by a plasma, 25:25181
Ionic population of nitrogen plasma, 24:3325
MEYER, Richard A. Cross sections for the ^{16}O(γ,2n), ^{19}F(γ,2pn), ^{27}Al(γ,2pn), ^{51}V(γ,α), and ^{51}V(γ,α3n) reactions to 300 MeV, 23:8944
Reactions ^{51}V (γ,α) and ^{51}V (γ,α3n) to 300 MeV, 23:23620 (AD-674879)
MEYER, Richard T. Flash photolysis and time resolved mass spectrometry, 21:5907 (SC-RR-66-669)
Flash photolysis and time resolved mass spectrometry, 22:43159 (SC-M-68-125)
MEYER, Robert Investigative studies with the laser in the treatment of basal cell epitheliomas, 22:51907
Laser impacts on the skin, 23:12216
Laser in maxillofacial surgery: preliminary investigative surgery, 22:47563
Laser treatment of tattoos, 23:29836
Laser treatment of tattoos: preliminary survey, 22:25989
Plasma torch reactions in the skin, 21:41482
Quartz rods for high energy laser transmission, 22:31276
MEYER, Robert A. High density ceramic beryllia-nuclear fuel compact, 22:15247
MEYER, Rudolf X. Effect of a magnetic field on the space charge neutralization problem in electric propulsion, 21:28958 (SSD-TR-67-34)
Magnetic field effect on space-charge neutralization in electric propulsion, 22:9141
MEYER, S. L. K/sub l3/$^+$ decay rates, 22:22293
Low energy neutrino beam configuration for area 1, 24:52298 (TID-25473(Vol.1), pp 315-28)
Low-momentum K^-—^{4}He scattering, 24:24247
Muon capture in ^{6}Li in the ditriton channel, 25:43821
Muon shielding for a 500-GeV neutrino facility, 25:50456
Proposal for a two-target neutrino facility for experimental-area E1, 24:52297 (TID-25473(Vol.1), pp 305-14)
Study of kinematically determined tau^+ decays, 22:44309

MEYER, Sheila Stellar opacity program manual "STOP", 22:38655 (N-68-18064)

MEYER, Stuart L. K^{+} three-body leptonic decay modes, 22:34938

MEYER, Thomas O. Isotopic abundance of Ne, Ar, and N in natural gases, 21:23812 (BM-RI-6936)

MEYER, U. Integrating semiconductor Compton spectrometer, 22:10577 (SGAE-PH-55/1967)

MEYER, V. Collisional quenching of metastable hydrogen, 24:23794

- Collisions of hydrogen with rare gases. I, 22:34281
- Collisions of hydrogen with rare gases. II, 22:34282
- Excited states in ^{10}B from reaction ^{6}Li(α,α)^{6}Li, 21:40390
- Reaction ^{13}C(^{3}He,α) in energy range 1.8 to 5.4 MeV, 25:53627
- Reaction ^{14}N(d,α)^{12}C at deuteron energies between 2.3 and 5.8 MeV, 22:11911

MEYER, Vincent D. Absorption of electron kinetic energy by inorganic phosphors, 24:46490

MEYER, W. Combination neutron and gamma-ray spectrometer, 23:26561

- Direct measurement of fast-neutron spectra and the neutron differential-dose albedo for concrete with the NE-213 neutron spectrometer, 21:7317
- Measured NE-213 fast-neutron spectrometer (with gamma-ray discriminator) response functions and absolute efficiency, 23:2635
- Prog. rpt. on fast neutron transmission measurements for reactor core and shielding materials, 2/70, 24:30375 (COO-2049-1)
- Recommended applications of nuclear safeguards to the storage of materials in the proposed National Waste Repository, Lyons, Kansas, 25:48778 (CONF-710617-2)
- Uranium nitride chlorides, bromides, and iodides, 24:41280

MEYER, W. T. Uranium in lake water from Labrador, 23:40865

MEYER, Walter Argument for a recoverable high-level waste container, 25:26454

- Determination of ion exchange equilibrium data by liquid scintillation counting, 21:163
- Development of an NE-213 fast-neutron TAC spectrometer system utilizing off-line gamma-ray discrimination, 25:55033 (COO-2049-6)
- Dimensional S/sub n/ calculations of neutron spectra reflected from thick slabs of concrete and iron, comparison with measurements, 25:14865 (COO-2049-2)
- Evaluation of minima in total neutron cross section by transmission of fission spectra through thick samples, 25:56650 (COO-2049-5)
- Fast neutron spectroscopy in aqueous media using an NE-213 proton-recoil neutron spectrometer system, 25:55034 (COO-2049-7)
- Fast neutron transmission measurements for reactor core and shielding materials. Technical progress report (1971), 25:34333 (COO-2049-4)
- Intercalibration of KSU NE-213 fast-neutron spectrometer system, 25:48955 (COO-2049-3)
- Measured fast-neutron spectra after reflection of fission source neutrons from a nine-inch-thick concrete slab, 23:3544
- Measured fast-neutron spectra after reflection of fission source neutrons from a six-inch-thick steel slab, 24:6598
- One-dimensional S/sub N/ calculations of neutron spectra reflected from thick slabs of concrete and iron, 24:33092
- Orders-of-scattering calculation for the reflection of collimated, polyenergetic fast neutrons from a six-inch-thick steel slab, 25:56257 (COO-2049-8)
- Orders-of-scattering calculations for the reflection of collimated, polyenergetic fast neutrons from a six-inch-thick steel slab, 25:41186
- Orders-of-scattering method for fast-neutron transport, 25:56258 (COO-2049-9)
- Resolution and minimal representation of a neutron detection system, 25:39753
- Separation and purification of uranium and thorium from organic liquids on an anionic exchange resin, 21:36090
- Simulation of the chemical environment of a nuclear explosion with exploding wires, 24:41546 (CONF-700101-(Vol.2), pp 1456-73)
- Sources and sinks in the nuclear fuel cycle, 25:41446

MEYER, Walter R. Neutron moisture measurements by continuous- and point-logging procedures, 22:28191

MEYER, William P. Protonation of the indole Grignard reagent and other organometallic derivatives of indole, 22:2049

MEYER, Wolfgang Uranium nitride bromides and uranium nitride iodides, 21:30421

MEYERAND, Russell G. Jr. Insulating vanes for linear MHD devices, 21:3744

- Laser plasma production, 21:46377

MEYER-ARENDT, Jurgen R. Efficiency and limitations of lasers as weapons, 23:45940

- Radiometry and photometry: units and conversion factors, 23:1164

MEYER-BERKHOUT, U. Charge form factor of proton at momentum transfer of 75 F^{-2}, 21:31515 (DESY-67/18)

- Charge form factor of the proton at a momentum transfer of 75 fm^{-2}, 21:42240
- Electromagnetic structure of the nucleon, 22:13718
- Electroproduction of pions near the Δ(1236) isobar and the form factor G*/sub M/(q^{2}) of the (γNΔ)-vertex, 23:5513
- Electroproduction of pions near the Δ(1236) isobar, 23:18780 (DESY-68/53)
- Magnetic spectrometer for high energy electron scattering experiments, 21:36456
- Magnetic spectrometer for high-energy electron scattering experiments, 21:28205 (DESY-67/10)
- Prog. rpt. on experimental program and research results with electron synchrotron, annual, 1965—66, 21:3970 (NP-16354)
- Search for hyperon resonances with spark chambers, 22:13658
- Transverse and longitudinal cross sections for electroproduction of pions near Δ(1236)-isobar, 22:50274 (DESY-68/42)
- Transverse and longitudinal cross sections for electroproduction of pions near the Δ(1236)-isobar, 23:1581

MEYER-BORICKE, C. Iterative procedure for fringe field shaping with laminated pole caps, 25:50496

MEYERBROEKER, H. Alpha particles of natural radioactivity in air measured by cellulose nitrate plastic detectors, 25:44646

- Quantitative investigation of fallout from Chinese nuclear test, 23:45
- Track registration in region of critical energy, 25:391
- Track registration in region of critical energy, 25:44616

MEYER-BURG, J. Scintigraphic investigations of parasternal lymph nodes with ^{198}Au, 25:55288

MEYER-EHMSEN, G. Excitation of plasmons by fast electrons in Si single crystals, 25:40808

MEYERER, W. P. Plastic-strain controlled failure criteria and design parameters. Technical progress report, 25:11373 (COO-2048-1)

MEYER-HEINE, A. Experiments on MASURCA, ERMINE, and SNEAK in support of projects PHENIX and SNR, 24:33436

- Physics of graphite lattices with plutonium bearing fuels, 23:47202 (CNM-R-2(Vol.3), pp 1713-36)
- Some neutronic problems related to Phenix, 24:22391
- U and U—Pu fueled lattices with graphite and D_2O moderator, 22:22832

MEYERHOEFER, H. Tumor treatment with radioactive wires, 24:796

MEYERHOF, W. E. Energy dependence of quasi-free (π^{+},2p) reactions and evidence for reaction π^{+} + (2N) $\rightarrow$ π + p + p in nuclei, 23:23369

- Energy levels of light nuclei A = 4, 22:18115
- Missing-mass spectrometer with detection of two outgoing particles, 23:16143
- Nuclear structure effects in (π^{+},2p) reactions, 21:46667
- Radiative capture in reaction ^{7}Li(^{16}O,γ)^{23}Na, 22:7656
- Reactions (π^{+}, 2p) on nuclei, 23:13196
- Spectroscopy of the four-nucleon system, 23:25790

MEYERHOF, W. F. ^{3}H(^{3}He,γ)^{6}Li capture reaction and the structure of ^{6}Li, 25:56664

MEYERHOF, Walter E. Helium-4 levels from a charge-independent analysis of ^{3}H(p,n)^{3}He, 23:5803

- Hydrogen-2(d,γ)^{4}He reaction from 6 to 19 MeV, 23:37098
- Reaction ^{3}H(p,γ)^{4}He, 24:49701

MEYERHOFF, R. W. Energy losses (ac) above and below H/sub c1/ in Nb and Nb—25 at. percent Zr, 23:30493

- Fabrication of niobium rf cavities, 23:30895
- High-current ac losses in large superconducting niobium tubes, 25:14225
- Preparation and electrical resistivity of ultrahigh purity niobium, 25:35328
- Rise-rate dependence of the critical current of superconducting solenoids, 21:43982
- Superconducting power transmission, 25:30445

MEYER-HOFMANN, G. Late lesions following Thorotrast use, 23:8026

MEYER-HOFMEISTER, E. Hertzsprung—Russell diagram for star cluster NGC 1866, 23:39116

- Mass loss from rapidly rotating evolving B-stars, 24:27926
- Rotation in evolving stars, 24:23612

MEYER-JUNGNICK, W. Industrial use of large radiation sources. IV, 22:10510

- Industrial use of large radiation sources. III, 22:13882
- Land-based service station for nuclear powered ships, 21:42789

MEYEROTT, A. J. Helium-like line-emission coronal features, 25:58621

MEYEROTT, Arthur J. Observations of galactic x-ray sources, 22:13165

- X-ray spectra of several cosmic sources, 21:20695

MEYEROTT, Roland E. Auroral input—output experiment, 22:38873 (AD-668202)

MEYERS, C. Empirical correlations of properties of graphites, 23:3138 (GAMD-8738)

- Evaluation of candidate graphites for PSC core-support applications, 22:27414 (GAMD-8371)
- Evaluation of GLCC grade H-327 graphite logs, 23:3136 (GAMD-8689)
- Evaluation of UCC grade TS-814 (AGOT-NP) graphite log, 23:3137 (GAMD-8737)
- Exchange degeneracy with SU(2) symmetry and absorptive corrections in hypercharge-exchange reactions, 25:3388
- Exchange degeneracy, absorption, and loops in KN and anti KN scattering, 24:52092
- Further evidences for exchange degeneracy with SU, symmetry and absorptive corrections in hypercharge exchange reactions, 24:52164 (PTB-36)
- Is s-channel helicity really conserved in rho^{0}, 25:47794

MEYERS, C. D. Photography in underground radioactive waste storage tanks, 23:40965 (ARH-1206)

MEYERS, C. L. Processing studies to reduce Fe iron content of nuclear grade graphites used in PSC core, 22:21752 (GAMD-8342)

MEYERS, C. L. Jr. Continuous-oxide phase in SAP-865, 23:41742

MEYERS, D. F. Prog. rpt. on atomic structures, final, 6/66, 21:35001 (AD-639311)

MEYERS, D. J. FFTF fuel examination facility, 24:456

- Nuclear Proof Test Facility location study, 22:50797 (BNWL-761)

MEYERS, J. Nondestructive activation analysis of ancient coins, 24:27014

MEYERS, J. E. Experience with oxygen meters in sodium technology loop, 24:14338 (APDA-245)

- Rhometer for monitoring impurities in sodium, 24:33960 (APDA-247)
- Sampling and analysis for oxygen in sodium, 24:26921 (APDA-246)
- Summary of APDA sodium technology program, 24:39599 (APDA-259)

MEYERS, James E. Impurity monitoring in a large sodium test loop, 23:45571 (ANL-7520(Pt.1), pp 233-53)

MEYERS, L. Phase transition of thin-film superconducting cylinders in a magnetic field. I, 25:40524

- Temperature dependence of the magnetic field periodicity in flux quantization experiments, 22:22113

MEYERS, Muriel C. Accidental overdosage with radiophosphorus, 22:12866

MEYERS, P. Nondestructive activation analysis with protons, deuterons, and gamma—photons, 22:27592

- Production of millisecond isomers by 14-MeV neutrons, 23:25880

MEYERS, Pieter Some applications of non-destructive activation analysis, 23:49765

MEYERS, R. Sublimed emitter and collector coatings, 25:4750 (TEE-4125-2)

MEYERS, W. P. L. Detection of neoplastic bone lesions, 23:35794

MEYER-SCHUETZMEISTER, L. Angular distributions for T/sub np/ = 1 and T/sub np/ = 0 transfers in (^{3}He,p) reactions, 25:59741

- Energy levels in ^{31}P, 23:49358
- Excitation of isobaric analogue states in medium-weight nuclei by the (^{3}He,α) reaction, 21:25468
- Giant dipole resonance in ^{36}Ar, 22:27078
- Isospin nonconservation in ^{28}Si(d,α_1)^{26}Al/sub 023, T = 1/, 24:52530
- Isospin nonconservation in reaction ^{12}C(d,α_1)^{10}B(1.74,T = 1), 25:43811
- Level structure and decay scheme of ^{41}Sc, 21:23476
- Radiative capture by ^{19}F: giant dipole resonances in ^{20}Ne, 21:7716
- Reaction ^{23}Na(p,γ)^{24}Mg and the giant dipole resonance in ^{24}Mg, 22:46741
- Reaction ^{30}Si(α,$\alpha'\gamma$)^{30}Si, 24:52483
- Reactions ^{27}Al(^{3}He,p)^{29}Si and ^{27}Al(^{3}He,pγ)^{29}Si, 24:15857

MEYER-SCHUTZMEISTER, L. Giant dipole resonance excited by α capture, 22:11930

MEYER-SIMON, E. Process for manufacture of zirconium compounds, especially zirconium oxide, 21:23899

MEYER-SIMON, Eugen Recovery of zirconium compounds from alkali metal zirconium silicates, 21:12518

MEYERSON, G. A. Cermets in atomic technology, 22:38602 (JPRS-45339)

MEYERSON, Melvin R. Effects of neutron irradiation and heating on the dimensional stability of steel with varying chromium content, 24:29984 (SC-RR-70-201)

MEYERSON, Seymour Arylation by aromatic nitro compounds at high temperatures. II, 21:30408

- Carbonium ions. XIV, 24:18947
- Carbonium ions. XV, 24:18946
- Carbonium ions. XVI. The question of protonated cyclopropanes in the reactions of zinc chloride with 1-propanol and 1-chloropropane, 25:89
- Carbonium ions. XI, 24:13858
- Carbonium ions. XII, 24:13859
- Carbonium ions. XIII, 24:13860

MEYERSTEIN, D. Isotopic exchange induced by excitation of the iodine—iodobenzene charge-transfer complex, 24:13817

- Isotopically substituted water in the investigation of the primary radiolytic processes, 23:35145
- Oxidation of benzoatopentaamminecobalt(III) by hydroxyl radicals, 25:54669
- Pulse radiolytic studies of competition H + H and H + ferricyanide, 22:27770
- Trivalent copper. I. A pulse radiolytic study of the chemical properties of the aquo complex, 25:23622

MEYER-WAARDEN, P. F. Irradiation of fish, 23:41526

MEYN, D. A. Analysis of frequency and amplitude effects on corrosion fatigue crack propagation in Ti—8Al—1Mo—1V, 25:35279

MEYN, E. Analysis of cerium(IV) phosphates and phosphatosulfates, 23:2210

- Cerium(IV) phosphate as ion exchanger. II, 21:34324

MEYN, E. H. Performance tests of 51-cm-bore superconductive magnets, 25:1150

- Power supplies for superconductive electromagnets, 24:24062 (LA-4250, pp E3.1-7)

MEYN, Erwin H. Effect of mechanical vibrations on the performance of superconducting magnets, 21:27069 (NASA-TN-D-3954)

MEYN, Guenter Application of radioactive isotopes to the investigation of sand-movement in the coastal range, 25:21250

MEYN, R. Glucose-induced resistance to gamma-rays in E. coli, 25:8812

MEYN, R. E. Recovery of Chinese hamster cells from uv irradiation damage, 24:51016

MEYN, Raymond Host-cell reactivation of gamma-irradiated phage Tl in E. coli K-12, 23:32003

MEYN, Raymond Everett Jr. Effect of glucose on uv- and γ-irradiated E. coli, 24:34774

MEYNADIER, C. Detection of charged particles with high resolving power, 22:315

- Discriminator and low level gate, 23:752
- Existence of a level of ^{12}C = 10.82 MeV, 25:17768
- Gas cell with Mylar window, 23:17039
- Gaseous target of isotopic boron, 24:5377
- Low-level linear gate and discriminator, 23:26607 (LA-4119-TR)
- Mechanism of ^{20}Ne(^{3}He,p)^{22}Na reactions at low energies (3 MeV), 25:17835
- Mechanism of the ^{14}N(^{3}He,p)^{16}O reaction at 3 MeV, 25:17751
- Neon-20(d,p)^{21}Ne and excited states of ^{21}Ne, 22:27031
- Neon-22(d,p)^{23}Ne angular distributions at E/sub d/ = 3 MeV for the first excited levels of ^{23}Ne, 21:17330

  Reaction ^{22}Ne(p,p), ^{22}Ne(p,p'), and excited states of ^{23}Na, 25:31281
  Reactions ^{22}Ne(p,p) and ^{22}Ne(p,p'), 25:17762
  Spin and parity of the ^{12}C excited state at 18.36 MeV from the ^{11}B(p,p) reaction, 25:17763
  Study of reactions ^{11}B(^{3}He,p)^{13}C and ^{20}Ne(^{3}He,p)^{22}Na at less than or equal to 3 MeV, 25:14904
MEYNADIER, Christian Excited states of ^{22}Ne, 21:42581
  Reaction ^{20}Ne(^{3}He,p)^{22}Na at 3 MeV, 21:46694
  Study of reactions (^{3}He,p) with ^{11}B, ^{14}N, and ^{20}Ne, and excited levels of ^{21}Na and ^{41}A from ^{20}Ne(p,γ) and ^{40}A(d,pγ) reactions, 25:38889 (NP-18862)
MEYNELL, G. G. Effect of various col I factors on the induction of phage, 22:26011
MEYNIEL, G. Biological basis for detection of malignant tumors by selective fixation of radioactive indicators, 24:50953
  Detection of hyperfixing zones by means of a positron camera type positron. III, 25:42565
  Oxido-reduction potential of venous blood in x-irradiated rabbits, 25:32548
  Scintigraphy of vascular system of brain, 24:25516
MEYNIER, Paul Grapnel for handling materials, 25:32198
MEYR, H. Statistics of time-of-flight measurements for neutron scattering experiments, 25:46025
MEYRIAL, Paul M. Heat transfer during film condensation of potassium vapor on a horizontal plate, 22:25608 (NP-17416)
MEYROWITZ, R. Zellerite and metazellerite, new uranyl carbonates, 21:8465
MEYTES, E. Diagnosis of stomach carcinoma by radioisotope scanning, 23:48157
MEYVAERT, N. A method of calculating resonance integrals in graphite moderated heterogeneous reactors. project dragon, 24:43842 (DP-Report-357)
MEYZE, Bernard Effect of Tanderil in acute postirradiation disease, 23:854
MEYZEROV, E. S. Combined action of vibration and ionizing radiation on metabolism and functioning of central nervous system, 21:16437 (JPRS-38272, pp 334-5)
  Combined effect of spaceflight factors on some functions of the organism, 21:30911
  Combined effect of vibration and ionizing radiations on the conditioned reflexes of rats, 22:12759 (NASA-TT-F-413, pp 229-43)
  Comparison of effect of whole-body chronic and acute gamma irradiation on higher nervous activity of white rats (role of time factor), 22:12756 (NASA-TT-F-413, pp 175-91)
  Complex action of vibration and ionizing radiation on the conditioned reflex activity of rats, 21:16436 (JPRS-38272, pp 336-7)
MEZDROGINA, M. M. Method of holding molten metal in suspended state: characteristics of Lodochka inductor, 25:55424
MEZEI, F. New experiments on giant zero bias tunneling anomaly: effect of impurity distribution, 23:23024 (KFKI-1/1969)
  Nonlinear model in quantum field theory, 23:18968
MEZENTSEV, A. F. Anomalous variations of the nuclear charge radii for Ba isotopes, 23:40043
  Charge radii of the nuclei of ^{124} ^{126} ^{128} ^{130}Te, 25:3551
  Experimental determination of nuclear compressibility on the basis of the isotopic shifts of x-ray lines, 21:44755
MEZENTSEV, A. V. Effect of γ irradiation on chromosome aberrations in Solanum tuberosum, 25:21963
MEZENTSEVA, N. V. Data on the effect of oxides of the rare-earth metals on the organism, 21:10242 (TT-65-50023/5, pp 126-32)
MEZGER, P. Detection of the H65α radio recombination line in Orion A, 24:25838
MEZGER, P. G. Carina nebula at 6 cm, 24:46913
  Comparison of the radial velocities of the neutral hydrogen gas and H II, 24:10352
  Detection of a new microwave spectral line, 21:33094
  Detection of He 109α and C 109α recombination lines in southern galactic sources, 24:44883
  Determination of helium abundance from radio recombination lines, 24:27977
  Determinations of helium abundance from radiofrequency recombination lines, 23:36326
  Direct comparison of motions of neutral and ionized hydrogen in Galaxy, 23:6836
  Electron temperatures of Orion Nebula and NGC 2024. II, 22:31546
  Electron temperatures of Orion Nebula and NGC 2024. I, 22:31547
  Galactic H II regions. III, 22:11162
  Galactic H II regions. I, 21:16764
  Galactic H II regions. II, 21:16765
  Galactic H II regions. IV, 23:22758
  H109α recombination line measurements of W51 region, 24:21490
  Line survey (H 137β) of twenty-one galactic radio sources, 24:46907
  New class of compact H II regions associated with OH emission sources, 22:11126
  Observations of interstellar water vapor, 24:17507
  Protostars as sources of anomalous OH emission, 23:6813
  Recombination line observations of 30 Doradus Nebula, 24:21493
  Recombination line of mapping H II region W3, 24:27970
  Recombination lines in thermal and nonthermal galactic sources, 24:1195
  Search at 15 GHz for compact H II regions, 23:41819
  Star formation associated with H II regions, 25:24758
  Survey of H 109 α recombination line emission in galactic H II, 24:19646
  Survey of H 109α recombination line emission in galactic H II regions of the Southern sky, 24:37061
MEZHBURD, V. I. Calculating the magnetic field in the active zone of dc MHD machines, 25:1033
MEZHBURD, Volf Iolevich Induction pump for conductive liquids, 21:43122
MEZHENNYI, Yu. O. Recrystallization and carbide phase formation processes in molybdenum base alloys, 25:58282
MEZHER, G. C. Magnetospheric propagation of vlf waves from France to South Africa, 22:22021
MEZHIBORSKAYA, Kh. B. Determination of beryllium by means of a photoneutron setup with crown counters, 21:45056
  Neutron activation determination of macro amounts of W, 24:20728
MEZHOV, E. A. Effect of steric hindrances on the extraction capability and selectivity of amines, 24:44073
  Influence of molecular association of amine salts on the extraction of metal salts by these extraction agents, 24:14007
  Influence of the nature of the diluent and the structure of the amine on the selectivity of extraction, 25:21094
MEZHOV-DEGLIN, L. Movement of charges in solid ^{3}He and ^{4}He, 24:26854 (ANL-Trans-827)
MEZHOV-DEGLIN, L. P. Effect of dimensions on the thermal conductivity of crystal ^{4}He samples, 21:25097
MEZHS, T. K. Programmed heating device for the measurement of thermoluminescence, 24:16891 (ANL-Trans-809)
  Thermoluminescent dosimeter on lithium fluoride basis, 22:4486
  Thermoluminescent dosimetry, 23:14049
MEZI, E. Physico-chemical considerations on sol—gel processes, 23:3123
  Pilot plant development, fuel fabrication, and irradiation tests, 23:3126
  Preparation of particles of uranium carbide by the sol-gel method, 23:12394 (ORNL-tr-1782)
  Preparation of Th—U dicarbide particles by sol-gel method, 21:3015 (RT/CHI-(66)12)
  Sol—gel processes for production of ceramic fuels, 23:3128
MEZI, Enzo Process for producing dense particles of oxides of actinides usable as fuels for nuclear reactors, 23:8284
MEZINA, I. P. Mechanism of the low-temperature decrease of radioluminescence yield, 21:40079
  Temperature dependence of radioluminescence yield in alkali halide crystal phosphors, 21:11717
  Temperature dependence of x-ray luminescence of In activated alkali halide crystals, 21:25213
MEZINCESCU, L. A. Duality and scattering lengths, 25:5363
MEZNIK, F. Influence of phase rates on working regions of horizontal pulsed extractor, 22:25468 (UJV-1929)
MEZZADRI, M. G. Distribution of radioactivity in sediment from Ligurian Sea, 25:41949
  Gross radioactivity in sediments of North Adriatic Sea, 24:7514
  Radioactivity measurements of sediment samples, 24:19116
  Sorption of Sr, Cs, Pm, and Eu on marine sediment samples, 23:31440
  Vertical distribution of radioactivity in the sediment of the Ligurian Sea, 25:23722
MEZZANARES, F. Elastic π^--p interaction at 650 MeV in the bubble chamber, 21:4000
  Interactions π^--p at 650 MeV, 22:7446
  Proton polarization in K$^+$p elastic scattering at 780 MeV/c, 21:33616
MEZZHUKHIM, A. S. Problems pertaining to use of vertical biological channel of the WWR-M nuclear reactor, 22:12100
MEZZINA, G. Experimental electrocardiographic study on radio-induced heart reactivity. I, 22:21423
MGLINETS, V. A. Aneuploidy and other effects of irradiation. I, 24:50840
  Elimination of γ-induced chromosome aberrations in Drosophila melanogaster, 22:51517
  Irradiation of females of Drosophila melanogaster, 24:50839
  Radiation-induced crossovers in males of Drosophila melanogaster, 25:55170
  Studies on behavior of radiation-induced chromosome aberrations in model populations of Drosophila melanogaster, 23:29450
MIA, M. D. (n,2n) induced reactions in bromoethane, 23:37993
  Chemical effects of (n,2n) and (n,γ) activation in bromoethane, 21:17674
  Effects of temperature and pressure upon the Szilard—Chalmers process in liquid bromoethane, 23:7557
  Isotope effects associated with neutron capture in bromoethane, 21:24054
MIA, M. M. Gamma radiation and interspecific hybridization in jute, 21:26681
  Gamma radiation and interspecific hybridization in jute, 22:14992
  Induction of early flowering mutants in jute, 24:50827
MIAC, Ryszard Technological problems in production of halide Geiger—Mueller counters, 22:14785
MIADOKOVA, E. Induction of respiration-deficient mutants by ultraviolet radiation in a synchronous yeast cell culture, 24:42031
MIAH, A. J. Chromosomal aberrations induced in meristematic regions of embryos in x-irradiated dry seeds of Vicia faba, 24:23175
  Evolution of new rice varieties by induced mutations, 24:41807
  Evolution of new varieties of rice with respect to increased yield per acre, resistance to diseases and better quality through use of induced mutations, 25:29481 (IAEA-R-290-F)
  Improvement of rice varieties by induced mutations, 24:39490
MIAH, Abdul Jalil Studies on induced mutations in rice, 21:26679
  Studies on induced mutations in rice, 21:28680
  Variation in quantitative characters of X_1 plant after hybridization and irradiation in rice, 21:26392
MIAH, M. A. Jalil Occurrence of mutations from x irradiation at different stages of germination of rice seeds, 21:9012
MIAH, M. A. W. Coulomb couplings and Born-term analysis for $\gamma N \rightarrow \pi^{+-}\Delta$ reactions, 25:30785
  Helicity formalism and the superconvergent sum-rules for process $N^* + \pi \rightarrow N +$ rho, 22:24656
  N/D calculation for mass splitting of baryons in broken $U_{6,6}$ symmetry, 22:32193
MIAKI, Hiroshi Effect of fractionated x irradiation on cells in tissue culture, 25:35242
MIALE, August Jr. Lung scanning with the scintillation camera, 23:18054 (CONF-670958-, pp 246-80)
MIALE, John Effect of microwave radiation on the hemopoietic system of the rat, 21:16506
MIALKI, W. Energy requirements and energy supply in oceanography, 23:43414 (TUBIK-14)
  Homogeneous diathermal nuclear fission reactor, 21:14039
  Twenty five years of reactor safety, 22:12044
MIALKI, Werner Fast breeders, 22:42272
  Homogeneous, thermal nuclear fission reactor, 24:16203
  Nuclear fission reactor, 21:8172
MIANNAY, Dominique Properties of alloys in magnesium—yttrium system, 24:25726 (CEA-R-3914)
  Study by differential thermal analysis of the eutectic reaction in magnesium—yttrium alloys, 22:8047
MIAO, Ting-chieh Radioactive ^{32}P in the diagnosis of testicular tumors, 22:28546
MIARD, F. Studies of the binary systems Pu—Au, Pu—Ga, and Pu—In, 21:32914
MIARI, G. Measurement of the magnitude of the mass difference m/sub K^0/sub s//—m/sub K^0/sub L//, 21:2362
MIASICHEVA, G. G. Residual polarization of negative muons in water, 23:44152
MIASNIKOV, A. Age—diffusion heterogeneous kernel in cylindrical reactor, 23:7416 (UJV-2072-R)
  Critical condition of a heterogeneous reactor in multi-group approximation, 25:23399 (UJV-2397.R,F.)
  Criticality calculation of the A-1 reactor using the heterogeneous method, 25:23106 (UJV-2346.R,F.)
MIAYKE, Shoji Resonant absorption of low-frequency elastrostatic wave energy in plasma, 24:47282
MIAZEK-KULA, M. Decontamination of lead contaminated by various radioactive isotopes, 23:429
  Examination of decontamination of surface, 22:4626
  Problems posed by the decontamination of steel by electrolytic means, 22:21159
MIAZEK-KULA, Maria Decontamination of Al contaminated by radioactive isotopes, 22:12422
  Decontamination of painted surfaces contaminated by various radioactive isotopes, 23:40958
  Decontamination of steel contaminated by radioactive isotopes, 21:45651
  Dependence of degree of decontamination of surface on the specific activity and pH of contaminating solution, 23:33181
  Some problems in decontaminating steel by the electrolytic method, 21:22431
MICAL, Renon S. Distribution of thorium daughters in bone, 23:26669
MICALI, A. Alterations of the conjunctivo-lacrimal secretion after irradiation with therapeutic doses, 21:22693
  Behavior of alkaline phosphatase of ciliar processes after irradiation with a source of ^{60}Co, 21:39341
  Blood coagulation in cancer patients following radiotherapy, 21:22687
  Ultrastructural alterations of bipolar cells of retina after irradiation, 21:20409
  Ultrastructural alterations of iris shortly after irradiation, 21:20407
  Ultrastructural studies of retinal lesions developing after massive focussed irradiation, 21:22688
MICAUD, G. Changes in electronic properties of carbons irradiated by neutrons, 24:19955
  Degraphitization under the effect of neutron irradiation, 23:10699 (CEA-CONF-1045)
  Electronic and magnetic properties of carbon fibers: development under neutron irradiation, 25:56282 (CEA-CONF-1822)
  Electronic properties of carbon irradiated with neutrons, 24:3046 (CEA-CONF-1356)
  Thermal annealing of neutron-irradiated carbon, 25:56283 (CEA-CONF-1823)
  Young's modulus of artificial graphite, 21:9232
MICAUD, Georges Degraphitization under the effect of neutron radiation, 23:30194
MICAUD, J. C. Measurement techniques for carbon fibers and their composites, 25:49535
MICAUX, Bernard EL-600: neutronic study of core control systems, 25:34329 (CEA-N-1421)
MICCIOLI, Bruno R. Hot-press ceramics for high strength and precision, 22:15257
  Inhibition of grain growth in niobium diboride, 25:22202
  Prog. rpt. on advanced ceramic systems for rocket nozzle applications, 11/1/66—2/28/67, 21:39667 (AD-650508)
MICEK, S. Elastic scattering of alpha particles on ^{39}K nuclei in energy range from 22.1 to 28.2 Mev, 23:7244 (INP-613)
  Elastic scattering of alpha particles on ^{39}K at E/sub α/ = 22.1 to 28.2 MeV, 23:19224
  Nuclear glory effect in elastic scattering of alpha particles, 23:5836 (INP-624)
  Resonance in the elastic scattering of alpha particle on ^{39}K at 24 MeV, 22:27062
MICELI, R. Effects of ionizing radiation on the human kidney, 22:33952
MICELMACHER, G. V. On the $\mu^+ \rightarrow e^+\nu$/sub e/anti ν/sub μ/ e^+e^- decay, 25:50108 (JINR-P2-5904)
  Search for the $\pi^+ \rightarrow e^+ + e^+ + e^- + \nu$ decay, 24:51917

- MICHA, D. A. Semi-empirical model for Penning and associative ionization, 25:30298
- MICHA, David A. Compound-state resonances in atom—diatomic molecule collisions, 21:43820
  - Expansion of T matrix for resonance collisions, 22:13867
  - Integral elastic cross section for D$_2$—Xe scattering, 21:37105
  - Many-body contributions to atomic correlation energies, 24:21611
  - Optical potential for Li—HBr collisions at low energies, 23:16670
  - Optical potentials in molecular collisions, 23:12585
  - Vibrational excitation cross sections for H$_2$ + He collisions, 24:42532
- MICHAEL, A. B. Hydrogen reduction of molybdic oxide, 23:22490
- MICHAEL, B. Repair and radiosensitivity phenomena in Drosophila males, 22:25821
- MICHAEL, B. D. Absorption spectrum of e/sub aq/$^-$ in the temperature range -4 to 390°, 25:54658
  - Electron transfer studies by pulse radiolysis, 23:47517
  - Principles, techniques, and the design of experiment in pulse radiolysis, 23:35177
  - Pulse radiolysis and radiobiology, 23:35176
  - Pulse radiolysis of benzoquinone and hydroquinone, - 21:28019
  - Pulse radiolysis of S compounds. I, 22:2166
  - Pulse radiolysis of sulfur compounds. II, 22:25420
  - Pulse radiolysis of sulphur compounds. III, 23:28929
  - Pulse radiolysis studies of deaerated aqueous salicylate solutions, 23:47513
  - Pulse radiolysis studies on stable and transient complexes of platinum, 22:33383
  - Pulse-irradiated bacterial survival, 23:35955
  - Rapid mixing in radiobiology, 23:8092
  - Rate constants of hydrated electron, hydrogen atom, and hydroxyl radical reactions with benzene, 1,3-cyclohexadiene, 1,4-cyclohexadiene, and cyclohexene, 24:38942
  - Three stage electron transfer in aqueous and alcoholic solutions, 21:41348
- MICHAEL, C. A$_2$ production, 25:30877
  - Ambiguities in Regge analyses and comparison with phase shifts, 24:15591
  - Amplitude analysis of πN scattering at 6 GeV/c, 25:53204
  - Baryon exchanges from u-channel finite-energy sum rules, 24:8652
  - Broken exchange degeneracies and secondary trajectories in charge and hypercharge reactions, 24:21985
  - Broken-duality model for reaction pp $\rightarrow$ π^+d, 23:32773
  - Building meson—baryon scattering amplitudes from duality, 25:9799
  - Corrections to rho dominance and pole dominance of the divergence of the axial-vector current, 22:20235
  - Cuts or secondary trajectories, 23:51961
  - Double Regge pole exchange and K$^-$p backward scattering, 23:30761
  - Dual theories for baryons, 24:13084
  - Elastic pion—deuteron scattering at high energies, 23:32765
  - Exchange degeneracy, duality, and Regge cuts, 24:3673
  - Factorization, ω crossover, polarization, and finite-energy sum rules for kaon—nucleon scattering, 22:26659
  - Inter-relation of the high energy region and the low energy region, 25:53134
  - AKN coupling and backward scattering, 24:40388
  - Regge poles and finite-energy sum rules for kaon—nucleon scattering, 23:5632
  - Regge poles with kinematic cuts in π N backward scattering, 24:35663
  - Regge residues, 25:30883
  - Regge-pole absorption model for πN charge exchange and cross-over, 23:10823
  - Regge-pole models for kaon—nucleon scattering, 23:21108
  - S-matrix, 23:15265
  - Shape of the N*(1236) resonance, 21:29551
  - Spin flip in high energy elastic πN scattering, 22:17958
  - SU$_3$ selection rule from Veneziano model, 23:36910
  - Superconvergence relations for pion—baryon scattering, 22:3431
  - Σ^0/Λ^0 ratio in K$^+$ photoproduction and SU(3), 25:25370
- MICHAEL, D. Second generation quiescent plasma source: ECH Q machine, 24:26241
  - Structure in the antinucleon—nucleon total cross sections, 23:49149
- MICHAEL, D. H. Electrohydrodynamic instability in plane layers of fluid, 24:26049
  - Electrohydrodynamic instability of a cylindrical viscous jet, 23:46347
  - Free surface instability in electrohydrodynamics, 22:26288
- MICHAEL, D. N. Measurement of p—p and p—d total cross sections at 3.00 GeV/c, 24:37635
  - New structures in K$^+$—p and K$^+$—d total cross sections between 1.55 and 3.30 GeV/c, 21:35268
  - New structures in the K$^-$p and K$^-$d total cross sections between 2.4 and 3.3 GeV/c, 22:20144
  - Structure in K$^+$N, I = 0 total cross section, 24:10683
  - Structures in the anti pp and anti pd total cross sections between 1.0 and 3.3 GeV/c, 21:29441
  - Total cross sections of K^{+-} mesons and antiprotons on nucleons up to 3.3 GeV/c, 24:37657
- MICHAEL, Daniel N. K-mesonic x rays and K$^-$ absorption in liquid He, 21:38217
- MICHAEL, G. A. Interaction of computer graphics and advanced instrumentation, 24:29167 (UCRL-72414)
  - Sagamore Hill Solar Radio Observatory and event of Aug. 28, 1966, 21:46090
  - Spectrum of Mar. 6, 1968 solar radio burst, 22:52379
- MICHAEL, George A. Certain problems in graphic data processing, 22:21013 (UCRL-70902)
  - Survey of graphic data processing equipment for computers, 21:30339 (UCRL-70195(Rev.1))
- MICHAEL, Glen A. Great burst of 5/23/67, 22:34138 (AD-663445)
  - Great solar radio burst of May 23, 1967, 22:41231
- MICHAEL, H. Extraction agents for trivalent lanthanides and actinides, 21:34251 (JUL-434-PC)
  - Isotope effects in ion exchange separation of rare earths, 21:5993 (JUL-402-PC)
  - Nuclear reactor as a pulsed neutron source, 23:28568
  - Separation of ^{227}Ac from its daughter products, 23:9534
- MICHAEL, H. R. Enrico Fermi core and reactor thermal experience, 25:50941
  - Installation of flow guard in Enrico Fermi reactor subassemblies, 24:33185
- MICHAEL, Horst Steam generator, particularly for pressurized water nuclear reactors, 25:60144
- MICHAEL, I. Stress corrosion of austenitic steel and nickel alloys, 23:18184 (KFK-812)
- MICHAEL, J. A. Energy and angular dependence of air-scattered gamma-ray distribution functions, 22:4282
  - Energy and angular dependence of air scattered gamma ray distribution functions, 22:5394 (EGG-1183-2163)
  - Fission product beta-gamma coincidence counting studies, 21:6488 (EGG-1183-2103)
- MICHAEL, J. C. Effect of ultraviolet light on some dehydrogenase activities in the epidermis, 23:26702
- MICHAEL, J. Gabriel Physicochemical characterization of naturally occurring antibodies to gram-negative bacteria, 21:18173
- MICHAEL, J. V. Experimental estimate of the oscillator strength of ^{2}S/sub $^1/_2$/ $\rightarrow$ ^{2}P/sub $^3/_2$,$^1/_2$/ transition of hydrogen atom, 23:8446
- MICHAEL, Paul Reactor kinetics research at BNL, 22:27478 (BNL-12390)
  - Relationship between pulsed, poisoning, and wave experiments, 21:38656 (BNL-11556)
  - Transmission of neutrons through multiplying media, 21:17295
- MICHAEL, W. C-violating decay 'eta^0 $\rightarrow$ π^0 + e$^+$ + e$^-$', 21:31514 (AD-635061)
  - Further results in direct search for C violating decay mode eta^0 $\rightarrow$ π^0e$^+$e$^-$, 21:31518
  - π^+ + p $\rightarrow$ Δ^{++} (1236) + π^0 AT 1.85 to 2.09 GeV: study of s- and t-channel effects, 25:43551 (UCR-34-P-107-B-108)
  - π^+p elastic scattering data between 1820- and 2090-MeV cm energy, 25:59309
  - Study of 10 GeV/c K$^+$-nucleus coherent interactions and Q-nucleon cross-section, 25:19913
  - Study of π^+p $\rightarrow$ rho$^+$p at 1.85 to 2.09 GeV, 25:43552 (UCR-34-P-107-B-110)
- MICHAEL, William Baxter Branching ratio of the eta-meson into three pions, 22:39239
- MICHAELI, I. Electron paramagnetic resonance study of wool irradiated by ultraviolet and visible light, 24:46589
  - Extraction of thorium nitrate by n-hexanol, 24:14027
- MICHAELIDIS, P. Prog. rpt. on treatment of radiation injuries, 10/64—4/65, 21:4814 (EUR-2477.f(Vol.2))
  - Prog. rpt. on treatment of radiation injuries, 4—10/65, 21:4815 (EUR-2477.f(Vol.3))
- MICHAELIS, Arnd Chromosome mutations, 23:26750
  - Induction of segment extension and chromatid structural changes in Vicia faba chromosomes, 25:8639
- MICHAELIS, E. G. Electron—proton collisions in storage rings, 22:32350 (CEAL-2000, pp A135-8)
  - Experimental study of production of charged pions in collisions protons-core at 600 MeV, 23:51856 (CERN-69-24)
  - Target efficiency and multiple traversals in the CERN 600 MeV synchro-cyclotron, 25:12324
- MICHAELIS, H. Economic energy evaluation of the attained position in the development of nuclear power stations, 22:25000
  - New economic perspectives of nuclear energy in Europe, 22:1800
  - Prospects for a European isotope enrichment plant, 23:17708
  - Prospects for a European isotope enrichment plant, 24:16800
- MICHAELIS, Hans Atomic energy today, 21:46921
  - Development of nuclear power plants from the viewpoint of energy economics, 21:42734
  - Should the European Community produce its own enriched U, 22:30209
- MICHAELIS, M. Acid phosphatase in lens epithelium of rabbits after x-irradiation, 23:22245
- MICHAELIS, Martin L. Radiochemical determination of radium-B/C in rain water, 24:16452
- MICHAELIS, P. Plastid change. V, 23:26762
- MICHAELIS, R. E. Homogeneity characterization of NBS spectrometric standards. IV, 24:4746
- MICHAELIS, U. E. Radiation protection in Rheinsberg nuclear power plant, 24:52846
  - Shielding measurements in Rheinsberg Nuclear Power Plant, 24:13508
  - Shielding measurements in the Rheinsberg Nuclear Power Plant, 24:20476 (ORNL-tr-2289)
- MICHAELIS, W. Absolute total absorption probabilities, intrinsic efficiencies and peak-to-total ratios for Li-drifted Ge diodes, 23:19934 (KFK-865)
  - Angular correlation measurements on γ cascades from reaction ^{57}Fe(n,γ)^{58}Fe, 24:1788
  - Band mixing in ^{167}Er, 24:30817
  - Band mixing in deformed odd-mass nuclei, 24:47602
  - Coincidence experiments for neutron capture reactions, 21:44667 (KFK-562)
  - Configuration mixing in ^{169}Yb, 23:1902
  - Configuration mixing in rare-earth nuclei, 24:43344
  - Count-rate dependence of gain of RCA 7046 photomultipliers for fixed dynode potentials, 22:23368
  - Energy levels of ^{96}Mo excited in (n,γ) reaction, 25:25792
  - Excited states in ^{61}Ni studied by the (n,γ) reaction, 24:43207
  - Excited states of ^{58}Fe through γ emission following thermal neutron capture, 23:25882
  - Excited states of ^{62}Ni studied by the (n,γ) reaction, 24:40586
  - Experimental gamma ray response characteristics of lithium-drifted germanium detectors, 23:26549
  - Gamma decay of ^{96}Mo and ^{98}Mo, 24:47590
  - High precision nuclear spectrometry with semiconductor counters, 23:6305 (KFK-778)
  - High-precision neutron capture gamma-ray spectroscopy, 24:47577
  - High-resolution Ge(Li) anti-Compton spectrometer for radiative neutron capture spectroscopy, 22:351
  - Internal pair formation spectrometer for neutron capture spectroscopy, 24:46502
  - Investigation of reaction ^{164}Dy(n,γ)^{165}Dy, 21:46771
  - Leading-edge method with pulse transformers. Lowering of the response threshold by a low-noise-level fast preamplifier, 22:14749 (KFK-617)
  - Lithium-drifted germanium diodes in neutron-capture gamma-ray spectroscopy, 22:14832
  - Mixed configurations in ^{169}Yb, 22:46769 (ORNL-tr-1954)
  - New approaches in nondestructive fuel assay using induced emission of gamma rays, 23:4476
  - New type of internal pair formation spectrometer, 22:10590
  - Non-destructive analysis of nuclear fuels, 23:45225
  - Nuclear excitations in ^{68}Zn, 24:47588
  - Nuclear spectroscopy using radiative neutron capture and neutron-induced fission, 25:5474 (KFK-1197)
  - Nuclear structure studies on ^{96}Mo, 24:43343
  - Nuclear structure studies with radiative neutron capture, 22:3698 (KFK-616)
  - Nuclear structure studies with radiative neutron capture, 22:26999
  - Prompt gamma rays from individual fragments, 24:30793
  - Proposal for installation of a versatile e$^-$ - e$^+$ - γ spectrometer for neutron capture spectroscopy, 25:55040 (NP-18994)
  - Proposal for installation of an anti-Compton-spectrometer for neutron capture γ-ray spectroscopy, 25:39739 (NP-18923)
  - Pulse shape discrimination circuit for lithium-drifted germanium diodes, 21:12666
  - Radiative neutron capture in fissionable nuclei, 24:47639
  - Shell model configurations in even spherical nuclei, 24:47587
  - Studies of radiative neutron capture and delayed fission gamma-ray spectra from uranium and plutonium as a basis for new nondestructive safeguards techniques, 25:3649 (KFK-1214)
  - Thermal neutron capture in ^{151}Eu, 25:12547
  - Timing unit for semiconductor spectrometers, 22:23372
  - Two-quasiparticle states in ^{168}Er, 25:15000
- MICHAELS, Alan S. Transient acceleration of creep rates of polymers during high intensity irradiation, 22:6346
- MICHAELS, Daniel W. Modification of ionosphere, 23:27428 (AD-680983)
- MICHAELS, Gordon Precision deburring by ECD, 23:38954
- MICHAELS, H. B. Factors affecting the rate of hydrated electron attach on polynucleotides, 25:55131
- MICHAELS, Rhoda M. Mating of Schistosoma mansoni in vitro, 24:34599
  - X radiation of S. mansoni, 24:2834
- MICHAELS, T. E. Acoustic emission behavior of Zircaloy-2 pressure tubing under applied stress, 22:268 (BNWL-545)
  - Acoustic emission of Zircaloy-2 during tensile and fatigue loading, 22:51189 (BNWL-727)
  - Heat treatment of alloy Zr—2.5 wt percent Nb, 21:45929 (BNWL-546)
- MICHAELSEN, R. g-factor of first excited state in ^{19}Ne, 23:8952
  - Level schemes of ^{26}Si, ^{30}S, ^{34}Ar, and ^{42}Ti studies with (^{3}He,n) reaction, 22:20515
  - Magnetic moment of the $^7/_2^-$ state at 1.29 MeV in ^{41}K, 23:28286
  - Magnetic moments of the $^7/_2^-$ mirror states in ^{37}Ar and ^{37}K, 25:48061
- MICHAELSON, Robert C. Rare-gas molecular emission, 24:37195
- MICHAELSON, S. Effects of whole- or partial-body 1000 kVp x-irradiation on bone marrow of dog. II, 23:31946
- MICHAELSON, S. D. Summary paper on nuclear mining, 24:41509 (CONF-700101-(Vol.2), pp 859-63)
- MICHAELSON, S. M. Age sensitivity of thyroid radiation in the dog, 23:31914 (UR-49-1098)
  - Localization of ^{131}I-fibrinogen in Walker carcinoma 256. II, 25:16035
  - Thermal regulation in x-irradiated dogs subjected to heat stress, 23:17912
- MICHAELSON, Sol M. Biological effects of microwave exposure: an overview, 25:4708 (UR-49-1256)
  - Cardiopulmonary effects of upper-body x irradiation in the dog, 25:47000
  - Effect of 2800 MHz microwaves on the eye of rabbits and dogs, 23:14247 (UR-49-1012)
  - Effects of electromagnetic radiations on physiologic responses, 21:20067
  - Electromagnetic-radiation-induced pathophysiologic models, 21:32740 (UR-49-744)
  - Exercise performance of upper-body x-irradiated dogs, 23:20384
  - False ^{131}I uptake and protein-bound I values in dogs, 23:2802
  - Iodine-131 uptake and protein-bound iodine in normal adult beagles, 21:28404
  - Microwave hazards evaluation, 24:6132
  - Microwave radiation and its effect on response to x-radiation, 21:20370
  - Microwave standards: comparative analysis, 23:38597 (UR-49-1080)
  - Physiologic mechanisms of injury and recovery from electromagnetic radiation, 22:43412

Prog. rpt. on biologic effects of microwave exposure, final, 1958—65, 22:554 (UR-49-810)
Radiation induced gastrointestinal dysfunction as a model for the study of anorexia and cachexia of neoplastic disease, 24:46673 (TID-25492)
Radiation time-intensity and pathophysiologic correlations in whole and partial-body x-irradiated beagles, 22:33907 (UR-49-913)
Radiation-induced thyroid dysfunction in the dog, 23:22399
Soviet views on the biologic effects of microwaves, 23:14246 (UR-49-976)
MICHAELSON, Solomon M. Effect of dose-rate on the acute lethal response of dogs, 22:40884
Effects of thoracic irradiation upon cardiopulmonary function in the dog, 25:4706
MICHAIEL, M. L. Theory for assymetric array of cylindrical cavities inside a reactor core, 25:37117 (UARAEE-58)
MICHAILOV, M. Detection of free ions in labeled oils, 24:41211
Preparation of oil-soluble ^{65}Zn, 25:15698
Production of carrier-free ^{54}Mn, 24:36283
MICHAILOV, M. Ch. Reactions of guinea-pig vas deferens to x irradiation, 25:52216
MICHAILOV, Michael Ch. Immediate reactions of isolated guinea pig and rat urinary bladder to x-irradiation, 24:36824
MICHAILOV, O. I. Dependence of spark brightness on ionization in range of 1 less than or equal to I/I min less than or equal to 15 at P = 1 atm., 0.3 atm., 0.1 atm, 25:6558 (IFVE-SEF-69-72)
MICHAILOV, V. Reduction of intestinal reactions by position during irradiation of malignant tumors of pelvis, 25:52154
MICHAL, J. Rapid analytical methods for investigation of metals and inorganic raw materials. XII, 24:18868 (UCRL-Trans-10443)
MICHAL, Vojtech Exposure of population of CSSR to ionizing radiation in x-ray diagnostics, 24:39500 (A-AC-82/G/L-1322)
Problems of clinics and therapy of hemangiomata in childhood. IV, 22:38285
MICHALAK, A. Optical properties of crystalline LaB_6, 23:30657
MICHALAK, S. Effect of the optical parameters of the medium on the yield of transition radiation of non-relativistic particles, 25:36354 (JINR-P4-5734)
Tables of intensity of transition radiation for non-relativistic particles, 25:33595 (JINR-P4-5690)
MICHALAK, Stanislaw Measurement of the current of an electron beam, 21:2017 (ORNL-tr-1383)
MICHALAK, W. Determination of distribution of transverse momentum of secondaries produced in ultra-high-energy interactions, 21:8589
MICHALCZYK, J. Dielectric investigations of tributylphosphate, 22:4133
MICHALEC, R. Admixture of neutrons of high reflection arrangement in bundles obtained by diffraction on monocrystals of CoFe, 21:23255 (UJV-1627)
Anomalous capture of thermal polarized neutrons in perfect ferromagnetic single crystals, 23:8908 (UJV-2080-F)
Anomalous capture of thermal polarized neutrons in perfect ferromagnetic single crystals, 23:15335
Beams of polarized neutrons in the Institute of Nuclear Research of Czechoslovak Academy of Sciences, 21:21784
Diffraction of neutrons on a vibrating quartz crystal, 22:48434
Gamma radiation from nuclei oriented by the capture of polarized neutrons, 21:21616
Modulation of a monoenergetic neutron beam diffracted by a vibrating quartz single crystal, 23:18738
Polarized neutron crystal spectrometer, 21:19905 (UJV-1562)
Single-crystal filters of thermal neutrons, 25:20238 (UJV-2488-F)
Time modulation of a neutron beam diffracted on single quartz crystal, 23:28216
MICHALEC, Rudolf Cascade gamma quantum emission by nuclei oriented by the capture of polarized thermal neutrons, 21:2805
Crystalline spectrometer for neutron polarization, 21:22217
MICHALEK, S. Hydrodynamic experiments with H_2O—HNO_3—$UO_2(NO_3)_2$—30 percent TBP, 21:43024 (UJV-1665)
MICHALEWSKA, Malgorzata Determination of strontium in barium minerals by atomic absorption spectroscopy, 25:54413
MICHALICA, W. Blood of female tumor patients before and after irradiation, 24:25389
Method for single x radiation under hypothermia, 24:44530
X-radioprotective effects of hypothermia in rats, 25:32444
MICHALICA, Werner Daily and yearly variations in radiation effects on research animals and possibility of pharmacological influence, 22:36391
Effects of sulfhydryl compounds as radiation protective materials in combination with fructose, 22:40791
Extracorporeal x-irradiation of cervix carcinoma, 24:824
Pharmacological influences on radiosensitivity of rats and mice, 21:36628
Radiation effects on rats with Yoshida sarcoma, 21:26640
Radiation effects under hyperthermia, 24:810
MICHALIK, A. Determination of some kinematic flow characteristics of water/sand stowing mixture by means of radiometric measuring methods, 25:23737 (INP-717)
MICHALIK, Alicja Radiometric method of determination of the spatial distribution of density in closed media, 22:23344
MICHALIK, B. Asymptotic approximations of phase shifts, 21:17190
Brysk approximation of phase shifts, 21:42463
Distortion operator approach and Pade sequence in nonrelativistic scattering, 25:38801
Distortion operator method and Pade approximants, 24:24458
Generalization of the distortion operator method, 23:7198
New perturbation treatment of the scattering and bound-state problem, 22:46550
Removal of the divergence in the Born series, 24:3478
MICHALIK, J. Isotopic method for determining the efficiency of equipment for agglomerate production, 25:57659
Isotopic techniques in studying endogeneous inclusions in steel, 24:32344
Quantitative evaluation of irradiated bone grafts resorption rate by the electron spin resonance technique, 25:11340
Radionuclides for the investigation of concentrate circulation in crude zinc and lead oxide production, 25:29283
Sulphur-35 used to explore sulphur balance of metallurgical processes, 25:51725
MICHALITSANOS, Andrew G. Shock wave dissipation in magnetically active regions, 25:40261
MICHALK, V. Decay of ^{203}Hg, 25:34088
MICHALK, V. E. Nuclear spectroscopy with energy resolution of a part per million, 22:18199
Population of nuclear energy levels via photon-excited levels, 24:5431
MICHALK, Victor Edward Elastic and inelastic scattering of neutron-capture gamma radiation, 23:44924
MICHALKE, Hildegard RNA synthesis in E. coli after irradiation, 23:33629
MICHALON, A. Angular correlations and distributions in anti pp annihilation into eight and nine pions at 5.7 GeV/c, 23:14962
anti pd$\pi^+\pi^-$ final state in anti pd coherent production at 5.5 GeV/c, 24:49316
Antiproton—proton annihilation into six charged pions and resonance production in the anti pp $\rightarrow 3\pi^+3\pi^-\pi^0$ channel at 5.7 GeV/c, 22:22305
Comparison of the $K^{+-}p$ elastic scattering with the optical models, 21:21230
Observation of d^* effect in anti pd $\rightarrow$ p anti p π^+ π^-n reaction at 5.55 GeV/c, 25:30727 (NP-18796)
On-line operation of measurement devices of bubble chamber group, 23:47834
Possible N^* production of mass about 1.47 Gev/c^2 in the $K^-p \rightarrow K^-p\pi^0$ channel at 1.45 Gev/c, 21:2384
Study of anti pd $\rightarrow$ p/sub s/anti ppπ^- reaction at 5.5 GeV/c, 24:45419
MICHALOWICZ, A. Kinematics of nuclear reactions, 22:5913
Measurement of the parameters P, D, R, and R' in proton—deuteron elastic scattering at 135 MeV, 21:29866
Polarization for the proton—deuteron elastic scattering at 155 and 138 MeV and slightly inelastic scattering at 155 MeV, 21:21425
Polarization parameter in π+-p and pp elastic scattering from 6 to 12 GeV/c, 21:9711
Survey of experimental results on nucleon—nucleon scattering work done by Orsay group, 21:37682
MICHALSKA, Krystyna Mass spectrometric studies of ion-molecule reactions in binary systems. III, 23:47572
MICHALSKA-TRAUTMAN, R. Mechanics of radiation, 21:18863
Radiation from systems in nearly periodic motion, 24:20020
Two-body problem and gravitational radiation, 24:6762
MICHALSKI, M. Time mode type Moessbauer spectrometer, 21:12659
MICHALSKI, Mieczyslaw Moessbauer effect spectrometer with increased precision of velocity determination, 22:2416
MICHALSKI, R. S. Geometrical model for the synthesis of interval covers, 25:57223 (COO-2118-13)
Interval generalization of switching theory, 25:39371 (COO-2118-8)
MICHALSKI, Z. Ionizing radiation measurements by using wide-range monitoring films, 21:3316 (CLOR-FOTON-53)
MICHALUKOVA, V. Extraction of Sr and Ca into nitrobenzene, 23:38038
MICHARD, J. Experimentation with a crossed-field plasma accelerator, 24:12812
MICHARD, R. Cooperative study of solar active regions, 23:36403
Localization of flares in evolving magnetic pattern of solar active regions, 23:1121
Localization of flares in selected active regions, 23:36405
Nonhomogeneous structure of the solar atmosphere, 22:26181
Rapid mapping of solar magnetic fields, 24:10328
Slowly varying component of solar x rays in relation to the structure of active regions, 23:36416
MICHAU, J. C. Ariane II: automatic device for the analysis of spark chamber photographs, 25:13285 (CERN-70-21(Vol.2), pp 859-78)
Ariane: device for automatic film analysis, 23:47831
MICHAU, J.-C. ARIANE, automatic device for the analysis of spark chamber pictures, 22:2423
MICHAUD, Andre Louis Apparatus for determining the density of pulveralent materials in reservoir by means of a radioactive source and detector, 25:57872
MICHAUD, B. New 15-min isomer in ^{142}Pr, 21:21538
Study of reaction ^{127}I(n,γ)^{128}I, 25:25791
MICHAUD, E. R. Tube bend erosion study, 22:43529 (BAW-1280-53)
MICHAUD, G. Reactions ^{12}C—^{12}C and the alpha-particle model, 24:1879
MICHAUD, Georges Diffusion processes in peculiar A stars, 24:27941
Nuclear optical model and wave properties, 24:35909
Thermonuclear-reaction rates at high temperature, 25:7924
MICHAUD, Georges J. Diffusion processes in A-pec stars and nucleosynthesis in Si burning, 25:6973
MICHAUD, Henri Self-diffusion of uranium in uranium dioxide: role of stoichiometry deviation and grain boundaries, 21:32984
MICHAUD, J. D. Data acquisition and processing by IBM 1800 system, 23:47898
ESTER system for running of several on-line multiparametric experiments, 23:41116 (EUR-4289, pp 307-12)
Sampling for simultaneous analysis of events X, Y, and XY, 23:47899
Simultaneous analysis of correlated XY events and single X and Y events by sampling, 22:43088
System for visualization of spectra using a small wired-program computer connected to the memory of a large computer, 25:472
Visualization and display of spectra registered in IBM 1800, 23:47900
MICHAUD, L. Mechanical effects beyond the close zone of a subterranean nuclear explosion in granite, 24:50485
Mechanical effects in the close zone of a subterranean nuclear explosion in granite, 24:50484
MICHAUD, Lucien French underground nuclear explosions in the Sahara, 24:14055
Underground nuclear explosions, 23:15993 (CEA-R-3594)
MICHAUD, Normand J. Supervoltage roentgenography with linear accelerator, 21:22506
MICHAUD, P. L. Continuous digital ratemeter, 23:29282
MICHAUD, W. E. High sensitivity ultrasonic test system for welds, 25:20857 (GEPP-83)
MICHAUDON, A. An attempt to determine the spins of ^{235}U slow neutron resonances, 22:29992
Determination of spin of slow-neutron induced resonances in ^{239}Pu, 25:15088
Determination of the spin of resonances in fissile nuclei, 22:18294
Effective K quantum numbers in fission of oriented ^{235}U, 24:30782
Equipment and programs for acquisition and processing of time-of-flight data, 22:18103
High-resolution measurement and analysis of ^{239}Pu fission cross-section, 25:15089
Intermediate structure in the fission cross-sections of ^{237}Np and ^{239}Pu, 24:30781
Measurement and analysis of ^{235}U and ^{241}Pu fission cross-sections, 25:15086
Measurements on fissile nuclei: experimental results and interpretation, 23:5916
Neutron scattering and total cross sections in the resonance region, 22:18192
Short-range intermediate structure observed in ^{237}Np neutron subthreshold fission cross section, 22:32607
Slow-neutron cross-sections of fissile nuclei, 25:59879
Total and fission cross sections of ^{239}Pu: statistical study of the resonance parameters, 22:18296
Total and fission cross sections of ^{239}Pu, 22:24863 (BNL-tr-197)
Total and fission cross-sections of ^{239}Pu from 5.7 to 160 eV, 25:15087
Use of the linear accelerator as pulsed neutron source for physical research, 21:27495
MICHAUDON, Andre High-resolution measurement of fission cross section of ^{239}Pu by resonance neutrons, 23:8996
Orbital moment of resonance induced in ^{56}Fe by neutrons of energy near 1.15 keV, 23:21308
Search for a ^{238}Np fission isomer, 25:17857 (CEA-N-1339)
MICHEAU, P. French research on thermal insulation of nuclear reactors, 23:37491
Heat exchange by natural convection in porous media, 25:29264 (EUR-4531, pp 821-39)
Natural-convection effects in insulation of prestressed concrete vessels, 23:4475
Transient behaviors in a nuclear power plant, 24:31064
MICHEAU, Pierre Gabriel Thermal insulation for walls, 24:36093
MICHEELSEN, B. Buckling for spectrum and group cross sections, 24:40910 (DP-Report-159)
Burn-up calculations for D_2O reactors, 23:34943 (RISO-M-897)
Burn-up of reactor fuel and fuel administration, 22:1887
Calculations on second loading of Zenith reactor, 24:40918 (DP-Report-181)
Codes for spectrum and reactivity calculations, 24:40908 (DP-Report-156)
Loading calculations for Dragon reactor, 24:40922 (DP-Report-267)
Multiplication factor definitions, 24:40920 (DP-Report-210)
MICHEELSEN, J. First loading of Dragon reactor experiment, 24:40916 (DP-Report-177)
MICHEIS, L. C. Preparation of replicas for electron microscopy of irradiated ceramic fuels, 25:37994 (ANL-7790)
MICHEJDA, L. AFST model with π π and π p phase shifts and Durr—Pilkuhn form: factors applied to the reaction π^+ p $\rightarrow$ p 3 π^+ 2 π^- at 8 GeV/c, 25:36503 (INR-P-1265)
AFST model with $\pi\pi$ and πp phase shifts and Duerr—Pilkuhn form factors applied to reaction π^+p $\rightarrow$ p3π^+2π^- at 8 GeV/c, 25:33755
Antiproton—proton annihilations into five pions at 5.7 GeV/c, 21:40146
Baryon variables in high-multiplicity interactions at high energy, 22:24550
Chan—Loskiewicz—Allison model applied to the πp $\rightarrow$ p5π reaction at 8 GeV/c, 24:20084
Comment on question whether GGLP effect is due to B—E symmetrization or not, 25:30763
Distinguishing between peripheral and central high-energy collisions, 23:23474

Observation of spin alignment of resonances produced in the 3-body reactions: anti pp → anti ppω^0 and anti pp → anti N^{*-}N$^{*++}\pi^0$ at 5.7 GeV/c, 21:7457
Orbital angular momenta at high-energy interactions and Van Hove overlap function, 22:3409 (INP-555/PL/PH, pp 101-12)
Production of N*(1518) and N*(1688) isobars in anti pp interactions at 5.7 GeV/c, 21:18901
Reaction p anti p → N$_{33}^*$ anti N$_{33}^*$ at 5.7 GeV/c, 21:21213
Shadow elastic scattering in multi-Regge-exchange model, 22:22392 (INR-P-880/VI/PH)
Shadow elastic scattering in multi-Regge-exchange model, 22:35012
Van Hove's overlap function and shadow elastic scattering from measurements of inelastic π^+p interactions at 8 GeV/c, 22:24662
MICHEJDA, Lech Attempt to determine Van Hove's overlap function and shadow elastic scattering from the measurements of inelastic π^+p interactions at 8 GeV/c, 22:5573 (INR-825/VI/PH)
Do we know how to distinguish between peripheral and central high-energy many-body collisions, 22:37146 (INR-P-889/VI/PH)
MICHEL, A. Analysis of thermal and hydraulic behavior of sodium during a prompt power insertion in a fuel assembly, 22:53381
Phenix: selection of position of primary pumps, 22:8251 (DRP/ML/FAR R-168)
Role of the inertial force in the linear z-pinch, 21:11597 (SC-T-66-0771)
Sodium evaporation in an argon flow, 23:46039 (ANL-7520(Pt.1), pp 418-25)
Technical and economical optimization of a uranium oxide radial blanket for a 1000 MW sodium cooled fast reactor, 21:30209
Thermostat for a fast reactor assembly, 24:52862
MICHEL, Andre Improvements in electric motor pump sets, 22:44948
Radioactive ceramic source manufacture, 21:34416
MICHEL, B. Analysis of nuclear emulsions exposed to high flux, 24:39351
Inelastic scattering of 12 GeV/c muons, 25:17367
MICHEL, C. Heat problems posed in the packing of highly radioactive materials, 23:45492 (ORNL-tr-2189)
Heat transfer in irradiated fuel transport casks, 21:30669
Magnetic properties of Ho$_6$Fe$_{23}$ and HoFe$_2$, 25:5211
Magnetic structure of HoFe$_2$, 25:1310 (CONF-700403-(Vol.1), pp 34-40)
Neutron-diffraction study of the Ho—Fe system, 25:47654
Packaging for transport of radioactive materials, 22:293
MICHEL, Ch. Chemical sensitization of radiation injuries to rat embryos, 24:12118
MICHEL, Chr Chemical sensitization of the damaging effects on embryos produced by low radiation doses: the role of energy metabolism and immediate repair, 25:4575
MICHEL, Claude Measurement of parameters of Ce plasma, 25:58986
MICHEL, D. J. Bibliography on thermal expansion in intermetallic compounds, 23:32030 (NYO-3560-17)
Elastic constants of polycrystalline HoZn$_2$, 22:38565 (NYO-3560-12)
Elastic constants of polycrystalline HoZn, 23:3050
High-temperature lattice parameters of HoZn$_2$, 22:23819
Intermetallic compounds in the Er—Zn system, 23:48472
Plastic deformation in HoZn$_2$, 23:18245
Thermal expansion behavior of YbZn$_2$, 23:27063
MICHEL, David J. Crystal structure of HoZn$_2$, 21:4972
Encapsulation of samples for high-temperature powder x-ray diffractometry, 22:10935
Mechanical behavior of polycrystalline HoZn$_2$, 24:14754
Powder metallurgy technique for preparation of HoZn$_2$ samples, 22:38564 (NYO-3560-8)
MICHEL, David John Thermal and mechanical properties of HoZn$_2$, 24:8076
MICHEL, F. Energy absorber for external beams of Karlsruhe isochronous cyclotron, 23:44768
Fission of heavy nuclei by helium ions and deuterons, 25:3710
Method for preparing stable carbon foils, 22:29806
New determination of kappal in nonlinear spinorial theory, 22:9520
Scattering chamber for external beam of Karlsruhe isochronous cyclotron, 23:21214
MICHEL, F. C. Analysis of the slowing-down rate of NP 0532, 23:34192
Coherent neutral sheet radiation from pulsars, 25:52536
Diffusive entry of solar-flare particles into geomagnetic tail, 25:7229
Lunar atmosphere as source of ^{40}Ar and other lunar surface elements, 24:37175
Lunar wake at large distances, 23:5306
Magnetic field structure behind the Moon, 22:17213
Magnetospheric models, 21:9450
Mechanism for acceleration of electrons to relativistic energies, 22:36692
Model of solar wind structure, 21:23114
Modification of Martian ionosphere by the solar wind, 24:6340
Pulsar ejection in supernova events, 25:11588
Pulsar emission mechanism, 23:27255 (N-69-18108)
Pulsar emission mechanism, 23:39149
Relativistic stellar-wind torques, 24:4887
Shock wave trailing the moon, 22:2953
MICHEL, F. Curtis Acceleration of relativistic particles in the Crab Nebula, 23:48642
Alignment of oblique rotators, 24:12550
Hydromagnetic plasma acceleration by rapidly rotating astrophysical objects, 23:41830
Model for the ΔI = 1/2 rule, 21:29498
Nonpulsing pulsars, 25:19372
Pulsar planetary systems, 24:12553
Solar-wind interaction with planetary atmospheres, 25:36011
Solar-wind interaction with the field-free planets, 25:24958
MICHEL, Fr. New determination of kappal in nonlinear spinor theory, 22:17885
MICHEL, G. Improved Lamb-shift source for polarized negative hydrogen ions, 22:29819
Lamb-shift polarized ion source, 24:13236
Reaction ^{6}Li(d,α) with polarized deuterons, 21:23440
Reaction ^{6}Li(d,α)^{4}He with 600-keV polarized deuterons, 21:21456
Reaction ^{6}Li(d,n)^{7}Be with polarized deuterons at energies of 270, 500, and 600 keV, 21:21455
Univ. of Washington Lamb-shift polarized ion sources, 25:53469
MICHEL, H.-St. Some measurements by means of Soviet large-area counter SBT-10, 23:11792
MICHEL, Horst-Stephan Improvements in and relating to the coupling out of pulses from nuclear radiation detectors, 25:34914
MICHEL, J. Changes in bioelectric activity of brain by action of ionizing radiation, 21:18118 (SZS-11/66)
Evaluation of electroencephalogram as indicator of effect of ionizing radiation. I, 23:29741 (SZS-14/68)
MICHEL, J. C. Specific heat of gadolinium metal at very low temperatures, 21:25082
MICHEL, J. W. Agro-industrial complex, 23:49645
Desalted seawater for agriculture: is it economic, 24:41116 (ORNL-TM-2944)
Developments in the agro-industrial complex studies, 24:29070
Role of electricity-intensive industries in the economics of nuclear power, 24:28920
Status and recent developments in agro-industrial complex studies, 24:50499 (ORNL-TM-3019)
MICHEL, Janine F. Selection of mutants of B. subtilis blocked at beginning of sporulation, 23:26749
MICHEL, Jean-Claude Hyperfine coupling in gadolinium—praseodynium alloys by specific heat measurements, 23:41651 (CEA-R-3538)
MICHEL, Jean-Jacques Separation of the transplutonium and lanthanide groups on anion exchange resins in the ammonium thiocyanate—propanol—water system, 24:29360 (CEA-R-3976)
MICHEL, John W. Alternatives for storage of desalted water, 25:48693 (ORNL-TM-3443)
Review of recent agro-industrial complex studies at ORNL, 25:48322 (ORNL-TM-3444)
Review of the Puerto Rico Energy Center study, 25:48323 (ORNL-TM-3445)
MICHEL, K. Accumulation and excretion of ^{224}Ra (Th X) during treatment of ankylosing spondylitis, 25:11231
MICHEL, Kant Equations sliding magnetic field of MHD machine, 22:26277
MICHEL, L. Breaking of the SU$_3$ x SU$_3$ symmetry in hadronic physics, 25:38763
Relativistic invariance and internal symmetries, 21:11781
Theory of neutral leptonic currents, 21:5379
MICHEL, Lothar Additional dose through betatron neutrons, 22:51687
Neutron dose rate measurements inside irradiation chamber of a 35-MeV betatron, 24:27587 (CONF-690540-, pp 605-10)
Saturation luminance of high density microsecond arc channels, 21:23165
MICHEL, Louis Contracted commutators and the SU(6) description of hadron spectrum, 24:37853
Dynamical breaking of SU(3), 22:39462
Representations of the algebra of integrated contracted current commutators, 24:52167
Standing problems in weak interactions and CP-violation, 22:3352
Status of CP, T, and CPT invariance, 23:30784
Symmetry breaking, 24:8687
MICHEL, M. GRASS: remote facilities guide, 25:51281 (COO-1469-188)
Production of ceramic fuel elements, 24:12458
MICHEL, M. C. Fission-fragment mass and charge distribution for the moderately excited ^{236}U compound nucleus, 22:44734
Plutonium-244: confirmation as an extinct radioactivity, 25:35594
Ratio of ^{85}Kr isomers produced in medium-energy fission, 22:35332
Ratio of ^{85}Kr isomers produced in medium energy fission, 23:15486
MICHEL, M. J. DEC PDP-8 interface to IBM 2701 PDA, 24:29114 (COO-1469-153)
GRASS: system overview, 25:57217 (COO-1469-187)
GRASS: system software description, 25:57218 (COO-1469-190)
MICHEL, Marcel Annular fuel element for a nuclear reactor, 22:42264
MICHEL, Maynard Prog. rpt. on nuclear chemistry, annual, 1968, 23:49877 (UCRL-18667)
Prog. rpt. on nuclear chemistry, annual, 1969, 25:7851 (UCRL-19530)
MICHEL, P. Analog simulation of mixer—settlers, 23:13814 (CEA-CONF-1129)
Analog simulation of mixer-settlers, 24:36479
Nuclear safe dissolving apparatus, 22:166
Positive column of neon discharges at average gas pressures. II, 23:23116
Positive column of neon discharges at average gas pressures. I, 23:23146
Positive column of neon discharges at average gas pressures. III, 24:8442
Processing of fuels based on alloys containing highly enriched U, 22:47221
Reprocessing of nuclear fuels with a U—Al alloy base, 23:47599
Solvent extraction in the chemical reprocessing of irradiated nuclear fuels, 23:49889 (CEA-CONF-1381)
Technical progress and economical aspects of aqueous processing, 23:49888 (CEA-CONF-1380)
MICHEL, Pierre Apparatus for the reprocessing of highly irradiated fuels, 23:49882 (CEA-CONF-1359)
Continuous dissolution of irradiated nuclear fuels, 21:36079 (CEA-R-3246)
Structure of lanthanum molybdite La$_4$Mo$_2$O$_{18}$, 24:14945
MICHEL, R. Calcium and strontium metabolism, 24:31835
Level of STH by radio-immunological assay, 24:645
MICHEL, Robert Measurement of microwave dielectric constant of gamma-irradiated Rochelle salt, 21:33021
MICHEL, Rupprecht Forced-flow steam generator to be heated by pressurized coolant of a nuclear reactor, 25:54836
MICHEL, W. Thermal conductivity of sintered carbides at elevated temperature, 25:27289
MICHEL, W. L. Charge-equilibrium fractions and charge-exchange cross sections for fast ions in nitrogen and argon, 25:35866
MICHEL-BRIAND, Yvon Utilization of bacteria for the capillary lixiviation of uranium ores, 22:25486
MICHELETTI, F. B. Permanent radiation effects in hardened Al$_2$O$_3$ MOS integrated circuits, 25:21489
MICHELETTI, P. C. Pulmonary scintillation scanning, 23:22341
MICHELETTI, S. Analysis of S and Cl wave functions by direct reactions, 22:3684
Compound nucleus and direct effects in the (n,d) reaction on ^{19}F and ^{23}Na at 14 MeV neutron energy, 22:26844
Direct-reaction mechanism (p,α) in light nuclei, 24:30697
Energy measuring device for external cyclotron beams, 23:30902
Reaction (n,d) on Cu and Zn isotopes, 21:7729
Reaction (n,d) on Cu and Zn isotopes, 23:23647 (INFN/BE-66/9)
Reactions (p,α) on light nuclei at 38 MeV proton energy, 22:26893
Reactions (p,d) on silicon isotopes, 24:52536
Study of (p,α) reactions in light nuclei at 38 MeV, 23:19195
MICHELI, J. Electromagnetic inelastic vertex, 21:3635 (N-66-19870)
Three-body final state in the photoproduction of π on the deuteron, 24:3578
MICHELI, M. Technical and economic study on the desalination of seawater and brackish water, 23:15697 (EUR-4090)
MICHELINI, A. Angular distribution and polarization in backward peak of $\pi^-p \rightarrow \Lambda K^0$ at 4 and 6.2 GeV/c, 24:51982
Backward peak in the ΛK^0 associated production at 5, 7, and 12 GeV/c, 22:9515
Omega project, 24:16881 (CERN-69-29, pp 181-206)
Performance of a large magnet spark chamber, 21:6215
Reaction $\pi^- + p \rightarrow \Lambda + \text{anti}\Lambda + n$ at 7 and 12 GeV/c, 23:7095
MICHELINI, Aldo Omega Project at CERN, 23:21193
MICHELINI, M. Advancement in neutron transport theory. II, 22:37619
Analyses of calculation method for control rods: comparison with Rossi α measurements, 24:47958 (RT/FI-(70)5)
Anisotropic diffusion theory, 24:11310
Burnup and power distribution for light water moderated plutonium fuelled clusters, 22:22775
Model of self control through boiling in power excursions of a water cooled reactor, 24:40932 (RT/FI-(69)51)
Neutron transmission probabilities across control blades filled with round tubes: formulation and accuracy, 24:52865
Numerical solution of neutron transport in inhomogeneous media, 22:37622
Physical follow-up of EBWR operation by nuclear codes developed by CNEN. I, 23:2011 (RT/FI-(68)22)
Physical follow-up of EBWR operation by nuclear codes developed by CNEN. II, 24:40925 (RT/FI-(70)1)
Regulation by the reactivity effect of magnetic scattering, 25:48346 (RT/FI-(71)14)
Self-control of boiling in excursions of water-cooled reactors, 24:43719 (RT/FI-(70)2)
Transport equivalent neutron diffusion in void regions, 21:29835 (RT/FI-(66)44)
MICHELMAN, B. Growth and properties of K$_4$Nb$_6$O$_{17}$, 22:49811
MICHELMAN, L. Polarization studies of analog resonances in lead, 22:27215
Spin determination of isobaric analog states from polarization measurements, 22:20629
MICHELMAN, L. S. Charge exchange in ^{91}Zr(p,d)^{90}Zr, 22:20610
Isospin effects in ^{90}Zr(p,d)^{89}Zr, ^{90}Zr(p,p')^{90}Zr, and ^{90}Zr(p,p)^{90}Zr, 23:28313
Polarization in ^{89}Y(p,p)^{89}Y reaction near d/sub 3/2/ isobaric spin doublet, 24:10964
Proton polarization measurements near isobaric analogue resonances in ^{145}Eu, 23:40085
Reaction ^{90}Zr(d,p)^{91}Zr, 23:37280
Spins and orbital angular momentum configurations of levels in ^{90}Y, 23:17122
MICHELMAN, Lionel Steven Distorted wave theory, 23:7322
MICHELOTTI, L. A. Analysis of anticipated transients without scram, 25:54160 (NEDO-10349)
MICHELOTTO, U. Hemocoagulative modifications in patients irradiated with 42 MeV betatron, 25:32601
MICHELS, C. EBWR—Pu transfer functions, 21:38523
MICHELS, Charles J. Correlation of transient spectra with performance in coaxial plasma guns, 22:36913 (N-68-17070)
Experimental and theoretical performance of coaxial plasma guns, 21:3838 (N-66-29214)
Transient spectral study of discharges in coaxial plasma guns, 22:1157 (LA-3770, Paper E6)
Transient spectral study of discharges in coaxial plasma guns, 23:1378 (N-68-25949)
Voltage—current characteristics of megawatt MPD-arc thruster, 25:14271

- MICHELS, Donald E. Permeable frits from metal powders, 25:48397 (RFP-1674)
- MICHELS, H. H. Calculation of cross sections for electron—helium collisions, 23:16634
  - Elastic scattering, diffusion, and excitation transfer of metastable He in He, 23:20673
  - Expansion approach to low-energy electron—hydrogen atom scattering, 21:43758
  - Expansion technique for inelastic scattering, 23:27361
  - Integrals for electron-atom scattering calculations, 24:12653
  - Oscillations in the total cross section for resonant charge transfer in Li—Li^+ collisions, 22:34260
- MICHELS, L. C. Movement of fission gas bubbles and inclusions in mixed-oxide fuel, 25:6014
  - Swelling behavior of vibratorily compacted mixed carbides, 23:36284
- MICHELS, L. R. Designs for control of BWR radioactive effluents, 24:46074
- MICHELS, T. C. Evaluated nuclear cross section library, 25:59783 (UCRL-50400(Vol.4))
- MICHELS, Thomas E. Stellar opacity program manual "STOP", 22:38655 (N-68-18064)
- MICHELSEN, A. Repair time of chromosome breaks, 24:2627
- MICHELSEN, K. Determination of blood flow in rabbit femur by radioactive microspheres, 25:26577
- MICHELSEN, O. B. Beta decay of some cerium isotopes far to the neutron-rich side of stability, 22:32618
  - Determination of Eu in minerals and rocks by neutron activation and $\gamma\gamma$-coincidence spectrometry, 24:4241
  - Determination of rare earths in rocks and minerals by neutron activation, 24:140
- MICHELSEN, Odd B. Rapid separation of cerium and molybdenum from fission products, 21:17729
  - Separation of Y, Ho, and Er with di-(2-ethylhexyl) phosphoric acid in chloride and nitrate systems, 25:10685
- MICHELSEN, P. Double-humped ion velocity distribution function in single-ended Q machine, 24:23968
  - Effects of ion—atom collisions on the propagation and damping of ion-acoustic waves, 22:31850
  - Experiments on shock formation in Q device, 22:19993
  - Fine structure of the ionosphere, 21:23092
  - Influence of biased grid on plasma in Q machine, 24:26267
  - Interaction between plasma ions and grid-excited pulses in a Q machine, 24:45240
  - Investigation of Landau-damping effects on shock formation, 21:33419
  - Ion-velocity distribution function in a single-ended Q machine, 25:19670
  - Wave—particle interaction in single-ended Q machine, 25:27693
- MICHELSEN, Poul Shock formation in a Q-device plasma, 23:23108 (RISO-186)
- MICHELSON, A. M. Photochemistry of 4-thiouridine in E. coli t-RNA/sub I//sup Val/, 24:609
- MICHELSON, D. Mechanism of electrospraying, 24:33847
- MICHELSON, Donna C. Ion-exchange procedures. IX, 21:8427
- MICHELSON, E. L. Utilities collaborate in 1618-Mw nuclear station, 21:46891
- MICHIE, J. D. Development of procedures for placing plastic concrete. interim report, 23:13907 (NVO-193-4)
- MICHIE, Richard W. Structure of dwarf elliptical galaxies of the local group, 23:51332
- MICHIELS, L. Gamma rays, potato sprout inhibitors, 22:40988
  - Inhibition of potato sprouting by gamma irradiation: conditions, effects, and feasibility, 23:29921 (ORNL-tr-3005)
- MICHIJIMA, Masami Radioactivity of sea water around Kobe Harbor. II, 21:41002
- MICHIKAWA, T. Escape probability of monoenergetic electrons from a thin foil, 21:28238
  - Experimental determination of correction in $4\pi\beta$—γ coincidence measurements on activated gold foils, 22:23294
- MICHIKAWA, Taichi Calibrations of the thermal neutron flux density standards under the international intercomparison program, 22:18083
  - Improved correction for effect of internal conversion and gamma sensitivity of β-detectors for $4\pi\beta$—γ coincidence measurements on activated gold foil, 22:21325
  - Performance of spectrum stabilizers, 24:16875
- MICHIYOSHI, I. Device for measuring local heat flux on the surface of a fuel element, 24:20640
- MICHIYOSHI, Itaru Electrical characteristics of MHD generator, 24:45072
  - Forced convective boiling heat transfer to diphenyl in concentric annuli, 23:29088
  - Fully developed turbulent flow in a concentric annulus, 22:40315
  - Heat transfer in a fluid, 23:7390
  - Heat transfer in laminar flow of Bingham plastic fluid, 24:16782
  - Heat transfer in laminar flow with internal heat generation in concentric annulus, 21:8520
  - Heat transfer in liquid metal, 22:37933
  - Heat transfer in turbulent flow with internal heat generation in concentric annulus. I, 22:51166
  - Heat transfer in turbulent flow with internal heat generation in concentric annulus. II, 24:14162
  - Measurement of flow rate using temperature fluctuation caused by vortex street, 25:4205
  - Performance of MHD power generator, 23:44220
  - Steam volume fraction in two phase flow. III, 24:36487
  - Steam volume fraction in two-phase flow. II, 22:33598
  - Turbulent heat transfer from slurry with internal heat generation, 21:43152
  - Turbulent heat transfer to high temperature gas in a concentric annulus, 23:26051
- MICHLIK, M. M. Twelve inch, 90 degree sector single focusing mass spectrometer for the analysis of corrosive gases, 21:40
- MICHLMAYR, G. Behavior of ^{51}Cr-labeled lymphocytes, 25:6741
- MICHLMAYR, M. Polarographic behavior of thorium salts in dimethyl formamide and dimethyl sulfoxide, 21:8223
  - Polarography in propanediol-1,2-carbonate. I, 22:30547
- MICHNIEWSKI, Przemyslaw Effect of Tanderil in acute postirradiation disease, 23:854
  - Effect of Tanderil on white mice exposed to x rays, 23:853
- MICHON, G. Attempt to study the contamination of livestock by ^{131}I under natural conditions, 21:8813
  - Measurement of the radioactive isotope concentration in milk and milk products, 21:12888
  - Milk as a vector of radioactive nuclides, 25:18943
  - Protection for personnel using gamma radiography for materials testing, 24:34357
  - Radium-226 concentration in milk in France, 21:30815
- MICHON, Georges Supervision of industrial applications of radioelements, 24:20957
- MICHOT, G. Fuel handling mechanisms in RAPSODIE and PHENIX, 24:470
  - Fuel handling mechanisms in RAPSODIE and PHENIX, 24:1997 (CEA-CONF-1340)
- MICHOT, Gilbert Handling arm for fuelling reactor, 24:38639
  - Handling grab, 24:36546
  - Refuelling apparatus for a nuclear reactor, 23:23920
- MICHOT, Jean U/Pc zircon ages and polycyclism of the Gneiss de Brest, 25:274
  - Uranium—Pb radioactive dating and Pb isotope study on sphene and K-feldspar, 25:271
- MICHOULIER, Jean ESR of Er^{3+} ions in thoria crystal, 25:14478
- MICHULIS, Ya. D. Neutron activation determination of Cu, Zn, and Mn in Al using 8-mercaptoquinoline, 25:37324
- MICIC, O. Reactions of hydrated electron in acid medium (pH 0.6 to 4.0), 23:35202
- MICIC, O. I. Effect of absorbed dose on the yields of radiolytic products in neutral aqueous solutions of oxalate ion and oxygen, 25:34644
  - Radiolysis of some heavy water solutions at pD 1.3 to 13, 22:16629
- MICKE, A. Improvement of low yielding sweet clover mutants, 24:41842
  - Progress in mutation breeding, 24:41852
  - Selection for protein after mutation induction, 25:24111
- MICKELSEN, O. B. Determination of copper in geological material by neutron activation and gamma—gamma coincidence spectrometry, 22:35764
- MICKELSSON, J. Nonlinear realizations of the group SU(2), 24:26457
- MICKELSSON, Jouko Representation functions for SU(3), 24:3712
- MICKENS, R. E. Bounds on phase of forward scattering amplitude and Pomeranchuk theorem, 24:26517
  - Conditions for improving the Froissart bound, 25:33860
  - Constant and increasing total cross-sections at large but finite energies, 24:10755
  - High-energy behavior of amplitudes at zero scattering angle, 22:29718
  - High-energy cross sections, diffraction slopes and phase of the forward scattering amplitude, 23:23561
  - High-energy relations for scattering of particles and antiparticles, 23:44644
  - Investigation of the I = 2rhoπ system in $\pi N \to$ rhoπN, 25:45751
  - K^+ charge form factor and Chou—Yang model, 25:17446
  - Nonleptonic sigma decays, 21:35290
  - Phase of amplitudes at zero scattering angle, 23:7193
  - Polarizations at very high energies, 22:34988
  - Radiative decay width of the $P_{11}(1470)$, 25:33739
  - Real part of the vector-meson—nucleon scattering amplitude, 24:20162
  - Regge cut in $\pi^- p \to K^+\Sigma^-$, 22:3426
  - Regge-trajectory slopes, 22:15855
  - Rescattering and absorptive corrections to the Pomeron, 23:51942
  - Rescattering and absorptive corrections to the Pomeranchukon, 23:51945
  - Self-consistent vacuum trajectory, 22:41868
- MICKENS, Ronald Elbert Branch points in the complex angular-momentum plane, 23:30843
  - Regge branch points and reactions $\pi^- p \to K^+\Sigma^-$ and $K^- p \to \pi^+\Sigma$, 22:20263
- MICKEY, D. L. Determination of electron impact ionization rate coefficients for neon ions, 22:11196 (MATT-582)
- MICKEY, Don D. Cellular and subcellular fractionation of brain tissue, 25:57259 (ORO-3195-47)
  - Flotation-fractionation of late fetal, neonatal, and adult rat brain in iso-osmotic Ficoll-sucrose density-gradients, 25:57257 (ORO-3195-45)
  - Isolation and biochemical characterization of subfractions of rat central nervous tissue myelin, 25:57258 (ORO-3195-46)
  - Sequential adsorption analysis of antisynaptosome antibodies, 25:57254 (ORO-3195-42)
  - Sequential adsorption analysis of antimyelin antibodies, 25:57255 (ORO-3195-43)
  - Sequential adsorption analysis of radioantibodies, 25:57253 (ORO-3195-41)
  - Zonal centrifuge profile analysis of msd mutant mouse brain, 25:57256 (ORO-3195-44)
- MICKEY, Donald D. Branching ratios and transition probabilities in Fe I, 25:24807
- MICKEY, Donald Lee Experimental determination of electron impact ionization rate coefficients for neon ions, 22:52509
- MICKEY, W. Sterling experiment: decoupling of seismic waves by a shot-generated cavity, 22:25561 (VUF-3026)
  - Sterling experiment: decoupling of seismic waves by a shot-generated cavity, 22:47260
- MICKEY, W. V. Earth vibrations from a nuclear explosion in a salt dome, 21:19780 (VUF-3014)
  - Strong-motion and surface accelerations, 21:3200 (PNE-800-F)
- MICKIEWICZ, Stanley Reduction of cosmic background in an x-ray proportional counter through risetime discrimination, 22:28078
- MICKLEM, H. S. Degeneration of cardiac and skeletal muscle in radiation chimeras, 23:35672
  - Effect of phytohemagglutinin-M (PHA) on spleen-colony-forming capacity of mouse lymph node and blood cells, 21:6624
  - Immunoglobulins in lethally x-irradiated mice, 21:39500
  - Inflow of bone marrow cells to the thymus, 21:20342
  - Repopulation of Peyer's patches in mice, 22:19416
- MICKLES, James Antiradiation compounds. XIV. Dithiocarbamates of aminothiophenes, 25:16219
  - Antiradiation compounds. VIII, 21:26536
  - Radioprotective activity of triammonium 2-dithiocarbamoyl-3-dithiocarbonylthiopropanoate, 21:6547
- MICKLITZ, H. Atomic excitation as a result of prior β decay of ^{85}Kr in solids, 22:9486
  - Excitation of crystal fluorescence of Rb^+ due to change of nuclear charge, 25:7484
  - Excitation of the daughter-ion Rb^+, 23:48998
  - Sudden nuclear charge change as an excitation mechanism for optical transitions, 25:39042
- MICKLITZ, Hans Excitation of Rb^+ in Kr matrix by a sudden change of the central field due to β decay of ^{85}Kr, 25:38541 (NRC-TT-1461)
- MICLUTIA, M. Beta therapy with ^{90}Sr in plastic induration of the penis, 25:19072
  - Dosimetric control in brachycurietherapy, 25:11000
- MICONI, D. Determination of residual stresses in a tubular system by means of the boring method, 22:48998
- MICOULAUT, R. Equations of motion of a particle with spin and additional conditions, 23:27875
  - Motion equations of a macroscopic rotating particle according to general relativity theory, 21:46444
- MICOULAUT, Raymond Motion of macroscopic and microscopic spinning particles in relativity, 23:8847 (CEA-R-3563)
- MICU, D. Blood changes caused by post therapeutic internal contamination with radioactive isotopes, 24:34740
- MICU, L. Decay rates of meson resonances in a quark model, 23:32714
  - eta-radiative decays in hard meson approach, 24:1545
  - Hadron couplings in a quark rearrangement model, 25:22789
  - Hard-pion approach to ω decays, 24:15573
  - K-K and π-K scattering lengths, 22:34952 (JINR-E2-3793)
  - Pi$\omega \to \pi A_1$ process in Veneziano model, 25:7640
  - Scalar meson widths, 22:39386
- MICU, M. Cabibbo angles and symmetry breaking, 25:40958
  - Charge-divergence commutator, 22:5528 (JINR-E2-3558)
  - Generalized sum rules for weak axial vector nucleon amplitudes, 23:34606
  - Meson dominance of the weak nucleon amplitude, 23:42675
  - Meson form-factors, 22:3411 (JINR-E2-3559)
  - Recursion relations for the 3-j symbols, 22:29727
- MIDDAUGH, R. L. Electron impact fragmentation of $B_{10}H_8(N_2)_2$ and isotopic composition of decaborane(14), 22:27654
- MIDDELBOE, V. Isotopic analysis of N with low ^{15}N content by optical spectrometry, 22:14443
  - Optical ^{15}N analysis of small nitrogen samples, 23:85
  - Some accurate half-life determinations, 21:19255
- MIDDELBOE, Victor Accuracy and sensitivity in optical ^{15}N-analysis, 25:4019
- MIDDELKOOP, W. C. Design of ISR inflector, 23:28109
  - Peripheral dipion production by pions of 12 and 18 GeV/c, 22:20150
- MIDDENDORF, E. R. Lower D-region rocket experiments using low frequency radio wave absorption, 22:34360 (AD-663711)
- MIDDENDORF, H.-W. Application of solid electrolytes in galvanic cells, 24:48892
- MIDDLEBROOK, H. Development work in support of the D.M.T.R. boiling water loop, 21:34371 (TRG-Report-1404, Paper 9)
  - In-pile measurement of creep and stress rupture properties of materials, 23:727
- MIDDLEBROOKS, E. Joe Removal of radioisotopes from water by slurrying with Yazoo and Zilpha clays, 22:25482
- MIDDLEBROOKS, Eddie J. Radioactive equilibrium time, 21:16095
- MIDDLEHURST, Barbara M. Nebulae and interstellar matter, 22:49954
- MIDDLEMAN, L. M. Electron- and bremsstrahlung-induced fission of heavy and medium-heavy nuclei, 23:31040
  - Measurement of cross sections for x-ray production by high-energy electrons, 24:51390
- MIDDLEMAN, Lee Mark X-ray and γ-ray studies of high energy electron scattering events using semiconductor detectors, 25:47345
- MIDDLEMAS, N. Investigation of s-wave $\pi\pi$ interaction from the reaction $\pi^- p \to \pi^0\pi^0 n$, 21:29459
  - Kinematical analysis of two neutral Pi-meson final states, 21:25238 (RHEL/R-104)
  - Neutral final states in $\pi^- p$ collisions at 1.71 to 2.46 GeV/c, 23:18816
- MIDDLETON, A. J. Fatigue tests on pressurised membranes of polyethylene terephthalate, 21:28212 (RHEL/R-140)
  - Low temperature materials test rig and some typical data, 25:344 (RHEL/R-202)

  Mechanical stress in large high field magnet coils, 22:10451
MIDDLETON, C. R. Noise in collision-free alkali metal plasmas, 23:27660
MIDDLETON, Frederick A. Jr. Photolysis of uranyl oxalate actinometer system, 24:27155
MIDDLETON, John Ernest Nuclear reactor installations including a refuelling machine, 21:30309
MIDDLETON, L. J. Behavior of ^{137}Cs in soils and pastures, 21:3389
MIDDLETON, M. R. Bibliography on regenerating liver in rat and mouse, including radiation effects on, morphological, and biochemical changes in regenerating liver cells, 24:51023 (AAEC/LIB/Bib-243)
MIDDLETON, R. 0$^+$ state at 6.24 MeV in ^{22}Ne excited by the reaction ^{18}O(^{7}Li,t)^{22}Ne, 23:25897
  Distorted-wave analysis of ^{13}C(^{3}He,d) reaction leading to unbound levels of ^{14}N, 25:33973
  Hole states in ^{19}Ne, 24:52455
  Hole-particle states in ^{18}F, 23:1819
  Level structure of ^{17}O and the ^{13}C(^{6}Li,d) and ^{13}C(^{7}Li,t) reactions, 25:12425
  Lithium induced nuclear reactions and the production of negative lithium ions, 22:24778
  Nuclear structure of ^{18}F, 24:13298
  Nuclear structure of ^{22}Na, 25:48049
  Plane-wave model for the (^{7}Li,t) alpha transfer reaction, 25:7812
  Reaction (t,p) with even isotopes of Ca, 21:44613
  Reaction ^{51}V(t,p)^{53}V, 21:9962
  Rotational bands in ^{22}Ne, 24:43290
  Rotational states in ^{20}Ne excited by the reaction ^{16}O(^{7}Li,t), 22:11906
  Selective population of highly excited states observed in the reaction ^{16}O(^{12}C,α)^{24}Mg, 24:45763
  Spectroscopy of ^{22}Na, 25:34024
  Spin assignments in ^{20}F, 25:56716
  States in ^{9}Be from ^{10}B(t,α)^{9}Be, 22:26867
  Strongest transitions from the (t,p) reactions on Cd and Sb, 21:12042
  Study of ^{14}N by several transfer reactions, 23:52115
  Study of ^{14}N by the reaction ^{13}C(^{3}He,d)^{14}N, 21:9939
  Study of mirror states in A = 19 with the (^{6}Li,t) and (^{6}Li,^{3}He) reactions on ^{16}O, 25:38910
  Study of the (t,p) reactions leading to ^{48}Ti and ^{50}Ti, 21:7748
MIDDLETON, Roy Report on some lithium reaction studies, 24:49744
MIDDLTETON, R. Evidence for quartet states in ^{19}Ne, 25:59717
MIDECKE, P. Testing of glass dosimeters, 24:7658
MIDGETT, M. R. Water analysis, 21:21904
MIDGLEY, A. Hydrolysis of U double bond O groups in uranyl fluoride and the possible existence of other fluorooxides of U, 21:4507
MIDGLEY, A. R. Jr. Radioimmunoassay for bovine and ovine luteinizing hormone, 23:31680
  Radioimmunoassay for rat luteinizing hormone, 23:4885
  Radioimmunoassay for rat prolactin, 23:50253
  Radioimmunologic studies of rat LH, 24:29685
MIDGLEY, A. Rees Plasma luteinizing hormone levels in males, 24:29691
MIDGLEY, A. Rees Jr. Monitoring of plasma luteinizing hormone by radioimmunoassay, 23:33586
  Post-partum release of luteinizing hormone determined by radioimmunoassay, 23:35584
  Radioimmunoassay determination of LH, 24:649
  Radioimmunoassayable serum LH and FSH in girls, 24:4544
  Radioimmunoassays employing double antibody techniques, 24:34012
  Radioimmunologic studies with murine, bovine, ovine, and porcine luteinizing hormone, 24:29684
  Reliability of radioimmunoassay methods, 24:34008
  Response of adult rat to orchidectomy and ovariectomy determined by LH radioimmunoassay, 23:35585
MIDGLEY, A. Ress Jr. Serum luteinizing hormone and progesterone concentration, 24:14386
MIDGLEY, J. E. Lunar magnetosphere, 22:17212
MIDGLEY, Robert D. Cells involved in cell-mediated and transplantation immunity. I, 24:21090
MIDHA, J. M. Dynamic orientation of spin 1 nuclei. III, 23:48962
MIDHA, P. P. Studies in beneficiation of low grade U ore containing traces of Ni, Cu, and Mo from Jaduguda—Bihar, 22:40149 (AEET/Met.-9)
MIDKIFF, Ann A. Supralinearity in thermoluminescence of LiF, 24:30057
MIDTBOE, T. Commissioning the Dragon Reactor Experiment, 21:15737
  Design features of the Dragon Reactor Experiment, 21:15735
MIDTDAL, J. Energy calculation of metastable (1s2s2p)^{4}P^o state of He$^-$ and Li, 21:23014
  Singly excited states of two-electron systems, 25:16836
  Tests of multiconfiguration energy-bound method for autoionization states of two-electron atoms. I, 24:32685
MIDTDAL, John Electronic structure and energy levels of many electron atoms, 21:33113 (AD-628922)
  Variational perturbation theory calculations, 23:18375 (AD-674295)
  Variational perturbation theory study of some excited states of two-electron atoms, 24:32680
MIDUCH, K. Attempts to apply radiography in the testing of the glass-reinforced polyester laminates, 25:34839
MIDY, P. Excited states of ^{23}Ne by ^{22}Ne(d,p)^{23}Ne, 22:26978
  Neon-20(d,p)^{21}Ne and excited states of ^{21}Ne, 22:27031
MIDY, Pierre Use of Nilsson model for studying some nuclei of 2s—1d shell, 25:25663 (LYCEN-7071)
MIDYETT, Charles L. Air Force advanced solar turbo electric concept, 22:13305
MIDZUNO, Yukio Frequency shift due to nonlinearity in plasma oscillation, 24:21828
  Instability of a plasma drifting across a magnetic field, 23:3529
  Nonlinear behaviors of waves in a plasma, 24:17990
MIEDICO, D. Growth hormone immunological and biological assays, 24:12021
  Uptake of radioiodine in thyrotoxicosis, 23:43670
MIEHE, J. Efficiency and time resolution of 120cm^3 Ge(Li) detector, 23:50158
  Efficiency and time resolution of 120 cm^3 Ge(Li) detector, 24:14248 (LIB/Trans-241)
MIEHE, J. A. Coincidence experiments with coaxial Ge(Li) detectors in low energy range, 22:40445
  Effect of different noise source on time resolution of Ge(Li) diodes, 24:4434
  Influence of compensated thickness of coaxial Ge(Li) detectors, 23:40987 (EUR-4289, pp 95-100)
  Obtention processes of temporal information in Ge(Li) diode, 22:43078
  Statistics and timing of the first photoelectron with a high gain dynode photomultiplier, 24:39288
  Timing performance of Ge(Li) detectors, 25:39723
MIEHER, R. L. Electron—nuclear double-resonance study of H center in LiF, 21:29381
  ENDOR study of the H center in LiF, 24:28415
MIEHER, Robert Lee ESR of [111] defect in x-rayed LiF, 22:31970
MIEKELEY, N. Ion diffusion in vermiculite, 22:16801
  Ion-exchange kinetics in vermiculite, 25:51596
  Isotopic-exchange investigation on silicate ion exchangers. IV, 21:23866
  Self-diffusion and exchange diffusion of cations in vermiculite, 25:48595
MIELCARSKI, M. Concept of the "SAWA" and "WARS" boiling water reactors, 22:24979 (ORNL-tr-1855)
  Concepts of fused salt reactors SAWA and WARS, 21:42772
  New boiling salt fast breeder reactor concepts, 21:23643
  Physico-chemical properties of chlorides of U, Pu, Am, and Cm in fused salts, 22:4255
MIELCZAREK, E. V. Prog. rpt. on ultrasonic studies in alkali metals, final, 8-1-67, 22:21696 (ORO-2861-5)
MIELCZAREK, S. Inelastic electron scattering from formaldehyde, 25:35883
MIELCZAREK, S. R. Absolute measurement of differential cross sections for electron scattering in helium, 25:9222
  Cross sections for excitation of He by 100- to 400-eV electrons, 22:9062
  Dependence of generalized oscillator strengths of H_2O on momentum transfer, 25:55880
  Effect of double scattering on cross section measurements at large momentum transfer, 22:5062
  Inelastic electron scattering from N_2O between 5.0 and 20.0 eV energy loss, 25:14014
  Mechanism for production of fourth positive band system of CO by electron impact on CO_2, 25:40335
  Minima of generalized oscillator strengths, 22:52539
  Rydberg state of H_2O, 23:44184
  Tests of Born approximations; cross sections for elastic scattering of 100- to 400-eV electrons by He, 22:31638
MIELKEN, G. N. Van de Graaff measurements with proton-recoil counter and rem-counter measurements at research reactor Geesthacht, 21:43289
MIELNIK, B. Explicit solution of continuous Baker—Campbell—Hausdorff problem, 23:13007
  Solution of the equation of evolution with time-depending Hamiltonian, 25:30960
MIENSKA, M. Radiolysis of liquid ethanol—benzene mixtures in the presence of electron scavengers, 24:9361
MIERAS, H. Colliding beam project at Cambridge electron accelerator, 22:32254 (CEAL-2000, pp 112-18)
  Design of CEA colliding beam bypass, 22:32255 (CEAL-2000, pp 119-22)
MIERS, R. E. Ionization of fast He* in the triplet metastable state, 24:21577
  Production and loss of fast metastable He atoms in collisions with Xe, H_2, Ar, and He, 23:32183
  Production and loss of fast metastable helium atoms in collisions with permanent gases, 24:17688
  Source of polarized lithium and cesium ions, 22:20391
MIERS, Richard Ernest Production and loss of fast metastable He atoms during charge changing collisions, 25:4969
MIERSCH, E. Sparking measurements in a single gap cavity, 25:50415
MIERSCH, G. Experience on 53 patients, treated in 142 courses, about radiophosphorus therapy of polycythemia vera, 25:39895
MIES, F. H. Molecular-orbital calculation of shape resonance in N_2^-, 24:28097
MIES, Frederick H. Configuration interaction theory. Effects of overlapping resonances, 23:5216
  Quantum oscillations in the shape of pressure-broadened atomic lines, 22:19743
MIES, Frederick Henry Radiation emitted by the ionized rare gases in reflected shock waves, 22:26430
MIESOWICZ, M. Analysis of nuclear interactions with energies of greater than or equal to 10^{13}eV by means of photoemulsions, 22:39254 (ORNL-tr-1956)
  Coherent production of particles in collisions of 200-GeV pions with emulsion nuclei, 21:27026
  Coherent production of particles in collisions of 200 GeV pions with emulsion nuclei, 21:27304 (INR-774/VI/PH)
  Hadron interaction at ultra high energies, 25:9635 (INP-722)
  Remarks about fireballs, 25:14669
  Studies on fireball model, 22:41810 (INR-P-915)
  Super-high-energy interactions in large blocks of photographic emulsion, 22:9509 (INR-P-826/VI/PH)
  What are fire balls, 22:3452 (INP-555/PL/PH, pp 75-8)
MIESOWICZ, Marian Achievements in nuclear physics during the twenty-five years of Polish people's republic (1945—1970), 25:1357
  Interactions of nucleons at very high energies, 25:17473
MIESSNER, H. Beam injection and acceleration in MILAC, 24:49658
  Charge change heavy ion accelerator, 23:39892
  High resolution measurements of isobaric analogue states by the neutron time-of-flight method, 21:11998
  Measurements of effective (resonance-shielded) neutron cross sections in the keV region, 21:25505 (EURFNR-299-F)
  Measurements of effective (self-shielded) neutron cross sections by a fast pulsed method, 21:13884
  Measurements of effective neutron cross-sections in keV region, 21:19244 (KFK-451)
  Measurements of isobaric analogue states in ^{52}Cr and ^{60}Ni, 22:37315 (KFK-704)
MIESSNER, Horst Absolute measurement of effective neutron excitation cross sections in the keV region with a fast pulsed arrangement, 21:11939
MIESTERL, J. Neutron temperature during power surge of TRIGA Mark II reactor, 25:28770
MIET, Roger Apparatus for measuring bubble chamber pictures, 21:8575 (CEA-R-3046)
MIETH, I. Ionization chamber for measuring low level radon concentrations, 24:36588
MIETKIEWSKI, K. Histochemical reactions in rat after single x-ray dose, 23:22409
MIETTINEN, J. K. Accumulation of ^{137}Cs in Finnish Lapps, 24:41789
  Biological half-times of ^{137}Cs and ^{22}Na in fish, 23:12036
  Body burden of ^{137}Cs and radiation dose of population group in Finnish Lapland, 25:18987 (NYO-3446-14, Paper 29)
  Body burdens of ^{137}Cs of Finnish Lapps in Spring 1969, 23:41302 (NYO-3446-13, Paper 21)
  Cesium-137 and ^{210}Po in arctic fauna, 23:6448 (NYO-3446-11, pp 61-7)
  Cesium-137 and ^{90}Sr in blood and urine of Lapps and southern Finns compared with total body burden of ^{137}Cs and estimated dietary intake of ^{90}Sr, 23:6446 (NYO-3446-11, pp 35-41)
  Cesium-137 and ^{90}Sr in blood and urine, 23:35717
  Cesium-137 in man, animals, and plants in Lapland and in southern Finland, 23:6445 (NYO-3446-11, pp 23-34)
  Cesium-137 in plants, plankton, and fish of Finnish lakes, 23:12109
  Distribution of ^{203}Hg-labeled methyl mercury and phenyl mercury in pike, 25:37716 (CONF-690527-, Paper 4)
  Enrichment of radioactivity by arctic ecosystems in Finnish Lapland, 21:36571 (CONF-670503-18)
  Enrichment of radionuclides by foodstuffs and man in artic, nutrient-deficient regions, 21:41378 (CONF-660827-2)
  Gamma-spectrometric identification of fallout nuclides with a Ge(Li)-detector, 22:23314
  Laumontite: a natural ion exchange mineral with high selectivity for cesium, 21:8401
  Polonium and radiolead in some aqueous ecosystems in Finland, 25:18930 (NYO-3446-14, Paper 27)
  Polonium and radiolead in some land animals in Finland, 25:18929 (NYO-3446-14, Paper 26)
  Radiation risks after local fallout, 23:20196 (CONF-680507-, pp 376-83)
  Radionuclides in plants and reindeer meat in Lapland, 25:18932 (NYO-3446-14, Paper 31)
  Stable lead and radiolead (^{210}Pb) in the "arctic" food chain, 23:41305 (NYO-3446-13, Paper 24)
  Surface treatment of fibre boards, 24:13943
  Tracer experiment with ^{131}I in an oligotrophic lake, 23:17975 (CONF-670503-, pp 278-84)
  Wood-plastic composite, WPC, 21:42966 (NP-tr-1565)
MIETTINEN, Jorma K. ^{210}Po and ^{210}Pb in some terrestrial animals in Finland, 25:46766
  Accumulation of ^{137}Cs, ^{90}Sr, and ^{55}Fe in the arctic food chains, 23:41303 (NYO-3446-13, Paper 22)
  Body burden of ^{137}Cs in Finnish Lapps in spring 1968, 23:6447 (NYO-3446-11, pp 42-51)
  Cesium-137 and ^{131}I in Finnish milk from Sept. 1962 to Aug. 1963, 21:28478
  Chemical and radioactive environmental problems in Finland, 25:18931 (NYO-3446-14, Paper 30)
  Enrichment of radioactivity by Lapps and reindeer, 21:36570 (CONF-670313-2)
  Gamma emitting radionuclides in subarctic vegetation during 1962—64, 21:4629
  Iron-55 in organs of reindeer, elk, fish, and vegetation, 1967—68, 23:6444 (NYO-3446-11, pp 16-22)
  Mechanical properties of wood-plastic-combinates, 24:19524
  Polonium-210 and ^{210}Pb concentrations in fish, 23:6449 (NYO-3446-11, pp 68-73)
  Polonium-210 and ^{210}Pb in arctic food chain and natural radiation exposure of Lapps, 23:31772
  Preparation of wood-plastic combinations by ionizing radiation, 22:19683
  Prog. rpt. on radioactive foodchains in subarctic environment, annual, 8/15/67—8/14/68, 23:6350 (NYO-3446-11)
  Prog. rpt. on radioactive foodchains in subarctic environment, 8/15/68—8/14/69, 23:41300 (NYO-3446-13)
  Prog. rpt. on radioactive foodchains in subarctic environment, annual, 8/15/69—8/14/70, 25:18926 (NYO-3446-14)
  Prog. rpt. on radioactive foodchains in the subarctic environment, annual, 8/15/70—8/14/71, 25:37789 (NYO-3446-15)
  Radioactive food chains in subarctic regions, 21:36592
  Radioactive food chains in subarctic regions, 22:10768
  Upgrading of wood and fiber boards, 24:31394
MIETTINEN, Jorma Kalervo Preparing plastics impregnated wood, 24:16556
MIETTINEN, Olli S. Neoplasms after childhood irradiation of the thymus gland, 25:16372
MIETTINEN, V. Distribution of ^{203}Hg-labeled methyl mercury and phenyl mercury in pike, 25:37716 (CONF-690527-, Paper 4)

- MIEVILLE, Bernd Separation of steam and water in boiling-water reactors and steam generators, 25:20769
- MIEZE, G. Analysis of a German pressure vessel and boiler drum statistics, 25:5982 (RISO-214, pp 301-22)
  - Failure rates of pressure vessels. I, 23:21505 (IRS-I-34(1968))
  - Reliability analysis of an emergency power supply system, 25:41265 (EUR-4517, pp 29-44)
  - Reliability analysis of complex systems with the aid of the fault-tree method, 25:8111
  - Reliability of a containment isolation system, 25:6190 (RISO-214, pp 71-90)
  - Reliability study of pressure vessels, 24:29011
  - Report on the progress of methods for objective safety assessment, 25:48217 (IRS-T-18(1969), pp 39-97)
- MIEZYNSKI, Witold Bilateral renal dysplasia in an infant, 24:50820
- MIFSUD, Lewis Equations for orientation error inherent in line-element scanner, 25:44689
- MIFUNE, T. Effect of electron irradiation on the strength of iron single crystals, 25:19252 (COO-1367-36)
  - Electron irradiation hardening of Al—1 at. percent Zn single crystals, 22:719
  - Electron irradiation strengthening in metals and alloys, 23:34048
- MIFUNE, Tsuyoshi Electron irradiation hardening in face-centered-cubic metals, 24:21400
- MIGADEL, M. Fuel system for a fast liquid metal-cooled nuclear reactor, 24:16152
- MIGADEL, Marcel Fuel assembly for a nuclear reactor cooled by a liquid metal, 22:50775
- MIGAHED, M. Evidence for anomalous L/M conversion ratio of $2^+ \rightarrow 0^+$ transitions in deformed even-even nuclei, 21:1099
  - Internal conversion studies of double decay processes in ^{114}In, 23:44926
  - Internal conversion studies of double decay processes in ^{114}In, 23:49397 (UUIP-629)
  - Internal conversion study of double decay processes, 23:44908
  - Levels and transitions in ^{187}Re, 21:29986
  - Transition (371 keV 2^+ — 2^+) in ^{190}Os, 23:52161
  - Transition (371 keV) in ^{190}Os, 23:40032 (UUIP-628)
  - Transitions following decays of (86 min) /sup 197m/Pt and (18 h) ^{197}Pt, 22:14031
- MIGAL, N. D. Disturbances in the development of hemp pollen induced by presowing gamma irradiation of seeds, 25:16382
- MIGALENYA, V. Ya. Level (3.95-MeV) and decay scheme of isobaric-analog 8.38-MeV state in ^{35}Cl nucleus, 25:17817
- MIGAUD, A. Vandellos nuclear power station, 24:13495
- MIGAUD, B. Determination of oxygen by reductive melting under a stream of argon, 21:45025
- MIGDAL, A. Theory of the nucleus, 24:24665
- MIGDAL, A. A. Diagram technique near Curie point and phase transition of second kind in Bose fluid, 23:5504
  - Fermion Regge poles and branch points in J plane, 24:28621
  - Interaction of boson Regge poles with Pomeranchuk pole, 24:52057
  - Properties of Pomeranchuk pole and of related branch points at small momentum transfers, 23:10866
  - Quasistable Pomeranchuk pole and diffraction scattering at superhigh energies, 23:15250
  - Strong coupling in Pomeranchuk pole problem, 23:5691
  - Universal interaction of Regge particles with vector and scalar currents, 21:42462
  - Zero charge and scale invariance problems in the soluble field theory model, 25:14783
- MIGDAL, A. B. Approximation methods of quantum mechanics, 21:42233
  - Nuclear theory: the quasiparticle method, 23:19363
  - Quasi-particles method in nuclear theory, 22:1742
  - Quasiparticle method in nuclear theory, 22:16103
  - Quasiparticles in the nuclear theory, 22:37397
  - Theory of finite Fermi systems and applications to nuclei, 21:46836
- MIGDAL, Arkadii Beinusovich Approximation methods of quantum mechanics, 23:1571
- MIGDAL, E. Electron scavenging in the radiolysis of mixtures containing hydrogen sulfide, 25:51518
  - Gas phase radiolysis of hydrogen sulphide, 25:26315
- MIGDISOV, A. A. Evolution of the chemical composition of the rocks in the shields and sediment cover of the Russian and North American platforms, 25:13114
- MIGEON, C. J. Determination of integrated plasma concentrations and true secretion rates of human growth hormone, 25:26579
- MIGEON, Claude J. Double isotope dilution techniques for measurement of plasma aldosterone, 24:22592
  - Measurement of plasma aldosterone by radioimmunoassay, 25:21536
- MIGEOTTE, M. V. Solar infrared spectrometry, 22:26177
- MIGGE, H. Diffusion of tritium in Ag—Li alloys after neutron irradiation, 24:4824
  - Knock-on of gas atoms into materials during irradiation in a gas atmosphere, 25:58334
  - Ordering with periodic antiphase domains in the α-solid-solutions of silver—lithium, 25:32735
- MIGGIANO, V. C. Directional activation of mixed lymphocyte cultures, 22:16996
- MIGITA, T. Visceral perfusion scintigraphy with ^{131}I-labeled albumin macroaggregates, 23:48141
- MIGLIACCIO, P. A. Behavior of the urine and dietary C U and S U ratios, 24:7824
  - Problems of the radiocontamination of man, 25:42375
- MIGLIETTA, F. Four-body interaction in nuclear shell-model calculations, 23:4064
  - Separation of center-of-mass motion in nuclear many-body problem, 25:20500
  - Separation of center-of-mass motion in nuclear many-body problem, 25:46099
  - Simple derivation of exact pseudopotential for N hard spheres, 22:29779
- MIGLIONICO, C. J. Electron fractographic study of the U alloy, Mulberry, 24:25717
- MIGLIONICO, Charles J. Effect of chloride ions on the susceptability to stress corrosion cracking of U-7$^1/_2$ wt percent Nb-2$^1/_2$ wt percent Zr and U-4$^1/_2$ wt percent Nb alloys, 25:24560 (SC-RR-70-860)
  - Study of stress corrosion cracking behavior of mulberry (U—7.5 wt percent Nb—2.5 wt percent Zr), 24:44702 (SC-RR-70-371)
- MIGLIORE, A. Radioactive isotopes in the study of the hydrocephalic disease, 25:555
- MIGNACO, I. A. Isovector form factors from annihilation and π—π dynamics. II, 23:15135
- MIGNACO, J. A. First diagonal Pade approximant to π—N elastic scattering, 25:22822
  - Fourth-order radiative corrections to the electron—photon vertex, 24:26408
  - Fourth-order vacuum polarization contribution to the sixth-order electron magnetic moment, 23:23426
  - Isovector form factors from annihilation and π—π dynamics. I, 22:9583
  - Low energy pion—nucleon phase shifts from a Pade approximants' approach, 22:32146
  - Pion form factor as probe of pion—pion P-wave dynamics, 22:20223
  - Pseudoscalar pion—nucleon interaction with the method of unitary Pade approximants of the S-matrix, 24:10764
  - Renormalization of the linear sigma-model, 25:22781
- MIGNE, Jean Safety device for a nuclear reactor, 24:47874
- MIGNECO, E. Analysis of Nd neutron resonances, 23:42932
  - Autocorrelation effects in neutron induced fission cross section of ^{233}U, 22:50625
  - Fission cross section measurement on ^{233}U, 24:40625
  - Fission cross section measurements on ^{233}U, 23:5918
  - Fission cross-section measurement on ^{233}U, 22:30005
  - Fission-cross-section measurement of ^{233}U, 25:15082
  - Large area fission fragment detector with fast response, 21:3254
  - Neutron intensities from proton bombarded thick lithium targets, 25:50619
  - Neutron-induced fission cross-section of ^{241}Pu, 25:15083
  - Parity assignments of some ^{98}Mo resonances, 25:28402
  - Resonance grouping structure in neutron-induced subthreshold fission of ^{240}Pu, 22:27095
  - Resonance grouping structure in neutron induced subthreshold fission of ^{240}Pu, 23:5923
  - Scattering cross section of ^{240}Pu, 23:5921
  - Scattering cross-section of ^{233}U below 100 eV, 25:15084
  - Spark chamber fission fragment detector, 23:6304 (EUR-4077)
- MIGNEN, Jean Determination of optimal performances of cryogenic containers with necks, 24:51563 (CEA-CONF-1577)
- MIGNERON, J. H. R. Absorption model and U(6,6) for photoproduction, 24:1540
  - Absorption model and U(6,6) for reactions pantip → YantiY, 22:20230
  - Model for high-energy inelastic processes, 22:50391
  - Nucleon—antinucleon charge-exchange scattering using U(6,6) and the absorption model, 21:29528
  - Pion—nucleon backward scattering and peripheral absorption model, 23:34608
  - Regge quark model for $0^-{}^1/_2^+ \rightarrow 0^-{}^1/_2^+$ scattering, 25:25450
- MIGNERON, R. $U_{6,6}$ peripheral absorption model for production processes, 23:34579
  - Veneziano secondary terms for anti pn → 3π, 25:33700
- MIGNIOT, C. Experimental gages for the determination of sediment settling relations and core sample density, 25:44712
- MIGNOLI, A. Calibration and test programs for the FSD system, 21:41260
  - FSD—IBM 360/44 system at CNAF and its performances both with load and minimum guidance, 23:33498 (ANL-7515, pp 140-63)
- MIGNON, Francoise Uv irradiation of blood, 23:50922
- MIGNONE, F. Modifications of serum γ-globulins in young guinea pigs subjected to irradiation and subsequent administration of thymus extracts, 21:416
- MIGNONSIN, E. New developments in the systematic analysis of high-purity metals and especially of Al, Cu, and Zr, 21:12322
- MIGRA, Robert P. Thermionic fuel irradiation experiment description, 24:2340 (N-69-33273)
- MIGUEL, M. Coincidence counting rates with delay, 21:1629
  - Fast testing of the performance of radiation counters by single-channel counting, 21:1635
- MIGUEL, P. Use of a computer for automatic measurement of absolute activity of radionuclides, 23:13981 (CEA-CONF-1190)
- MIGUERES, J. Acute bilateral fatal radiotherapeutic lung after minimal unilateral cobalt therapy, 21:16479
- MIGULIN, V. V. Experimental search for fractional charges, 21:11737
  - Upper limit of the number of quarks in some solids, 22:17930
- MIGUN'KOV, O. A. Intermediate-energy neutron detector, 25:32227
- MIGUNOV, B. B. Massive-use spectrometric scintillation apparatus for radioactive logging of boreholes in ore deposits, 23:29240
  - Nuclear geophysical methods in the prospecting, exploration, and development of mineral resources, 24:22776
  - Spectrometric scintillation equipment of commercial application for radioactive logging of boreholes in ore deposits, 25:18814 (CSIRO-Trans-9992)
- MIGUNOV, V. M. Effects appearing in the ionosphere during the propagation of radio waves from satellites, 24:12719
  - Electron concentration in outer ionosphere, 21:29119
  - Measurement of the total number of electrons in the ionosphere, 22:15476
  - Measurement of total electron content in the polar ionosphere from the recorded signals of the 3d satellite, 25:2983
  - Precision of determination of electron concentration in ionosphere by means of coherent frequencies, 21:37319
  - Variability of the ionosphere, 21:29110
- MIGUNOVA, I. I. Investigation in the field of radiation polymerization. XII, 24:38926
  - Polymerization of N-p-tolylmaleimide caused with γ-irradiation of ^{60}Co, 22:27812
- MIGUSHINA, V. L. Effects of ionizing radiation on lactate dehydrogenase in rats, 25:29670
  - Influence of irradiation on the glycolysis of isolated calf thymus nuclei, 24:11940
- MIHAESCU-NIGRIM, M. Action of homologous tissue extracts on protein synthesis in rats, 22:25771
- MIHAESCU-NIGRIM, Maria Formation of antibodies in rats receiving injections of vitamin K3 and exposed to x-irradiation, 21:4829
  - Immune homologous antitissular serum in irradiated mice, 21:4822
  - Infections in rats receiving injections of vitamin K3 and exposed to x-irradiation, 21:4849
- MIHAI, Cornelia Cytochrome c peroxidase activity in irradiated and radiosensitized tissues, 25:52202
- MIHAI, D. Analysis of efficiency of nuclear fuel cycles for heavy-water moderated reactors in specific conditions of socialist republic of Romania, 25:20750
- MIHAI, I. Absolute measurement of ^{239}Pu fission cross-section for 2200 m/sec neutrons, 25:59777 (IFA-NR-33)
  - Energy dependence in the range 0.7 to 4 MeV of the neutron fission cross section of ^{239}Pu, 21:42658
- MIHAI, R. Ion Excited levels of ^{193}Ir, 22:29980 (IFA-NS-20)
- MIHAIESCO-NIGRIM, Maria Action exerted by x rays on the resistance of mice to experimental infection, 21:22608
  - Process of immunogenesis in irradiated mice by means of cell-free spleen preparations, 21:22617
  - Virulence enhancement in pathogenic bacteria subjected to passage in irradiated animals, 21:24685
- MIHAILA, A. Burn-out heat fluxes at subcooled boiling, 25:54871 (IFA-TR-58)
  - In-pile radiation loops, 22:53427
  - Means for increasing power of VVR-S reactors, 21:35601
- MIHAILA, A. P. Radiolysis of petroleum fractions in I.F.A. reactor, 21:21978
- MIHAILA, Al. Outlook for the development of research reactors, 21:34162
- MIHAILA, M. Correlation between ^{131}I thyroid uptake and electro-encephalogram in poliomyelitis sequelae, 22:43246
- MIHAILENKO, I. E. Application of radioactive catalysts to dehydration of spirits, 21:4565
- MIHAILESCU, V. Radionecrosis of the femur after x-ray therapy, 23:5048
- MIHAILOV, M. Neutron-activation determination of silver in ores and rocks, 21:5789
  - Radioactive needle with linear activity increasing gradually towards the ends, 25:42590
- MIHAILOV, M. G. Natural radioactivity in food products in a region with increased natural radioactive background, 25:21680
- MIHAILOVA, V. Cathode polonium deposition on platinum electrode from nitric acid solutions, 21:19740
  - Preparation of pure ^{147}Pm by ion exchange, 22:21121
- MIHAILOVA, V. Z. Preparation of large surface uranium dioxide targets, 23:8895
- MIHAILOVIC, M. Enamel coated CaF_2:Mn thermoluminescent dosimeter and reading instrument, 21:34495
  - Properties of an enamel-coated CaF_2:Mn thermoluminescent dosimeter, 22:14857
- MIHAILOVIC, M. V. Analysis of the low-lying $0^{+\prime}$ states in the medium-weight nuclei, 21:10050
  - Deexcitation via unbound states in radiative capture of 14 MeV neutrons, 24:30748
  - Description of pairing vibrational states, 24:43580
  - Description of pairing vibrations with the generator coordinate method, 23:44986
  - Determination of the particle-hole excited states, 24:43586
  - Enamel coated CaF_2:Mn thermoluminescent dosimeter and reading instrument, 21:34495
  - Excitations as ground-state variational parameters, 23:37322
  - Gamma-ray spectra from radiative capture of 14 MeV neutrons by ^{28}Si and ^{40}Ca, 22:5787 (NIJS-R-505)
  - Projection of angular momentum and the generator coordinate method for light nuclei, 25:15196
  - Radiation doses to gonads of patients from diagnostic radiology in Yugoslavia, 22:38321
  - Radiative capture of neutrons in region of dipole giant resonance. II, 23:37148
  - Radiative neutron capture in region of dipole giant resonance. I, 23:37145
- MIHAILOVIC, Miodrag V. Conference on nuclear many body problems, Herceg Novi, Yugoslavia, 8/67, 22:32672
- MIHAILOVIC, Mirjana Radiation doses to gonads of patients from diagnostic radiology in Yugoslavia, 22:38321
- MIHAILOVIC, Z. Measuring thermal conductivity of refractory materials, 25:29958
- MIHAJLOVIC, A. Activation energy of isothermal martensitic β—α' transformation, 25:13703
  - Isothermal martensitic β → α' transformation of U—Mo alloy, 23:46078
  - Kinetics of β—α' transformation in low molybdenum—uranium alloys, 25:49466
  - Metastable β-phase in low molybdenum—uranium alloys, 22:45784
  - Monoclinic deformation of αU lattice in U—Nb system, 23:22574

- Potentiostatic method for electrolytic etching of U—Nb alloys, 22:31341
- Simultaneous chemical vapour deposition of carbon and silicon, 24:42221
- Transformation in U—0.45 percent Mo alloy, 23:22570
- Use of the potentiostat in the microstructural examination of uranium, 25:4792
- MIHAJLOVIC, Aleksandar Possibilities of using metallic uranium as a fuel in heavy water reactors, 22:8754
- MIHALACHE, Gh. On the radioactive isotope utilization for forest protection, 21:6472
- MIHALAS, D. Line formation with non-coherent electron scattering in O and B stars, 22:807
  - Model atmospheres for central stars of planetary nebulae, 24:25841
- MIHALAS, Dimitri Brackett-alpha emission in non-LTE model stellar atmospheres, 23:34155
  - Effects of line shifts on temperature distribution in stellar atmospheres, 23:48597
  - Far ultraviolet photometry of Orion stars, 24:46897
  - Galactic astronomy, 22:49978
  - Line formation with non-coherent scattering by electrons. I, 22:41229
  - Line formation with non-coherent scattering by electrons. II, 22:49925
  - Non-LTE model atmospheres. III, 24:4886
  - Non-LTE model atmospheres. VI, 24:46882
  - Non-LTE model atmospheres. I, 23:22734
  - Non-LTE model atmospheres. II, 23:27226
  - Non-LTE model atmospheres. IV, 24:23604
  - Non-LTE model atmospheres. V, 24:35001
  - Possible mechanism for energization of stellar winds in early-type stars, 23:34156
  - Solution of transfer equations subject to the constraint of radiative equilibrium, 22:13174
  - Statistical equilibrium model atmospheres for early-type stars. III, 22:13175
  - Statistical equilibrium model atmospheres for early-type stars. IV, 22:41216
  - Statistical-equilibrium model atmospheres for early-type stars. I, 21:37062
  - Statistical-equilibrium model atmospheres for early-type stars. II, 22:11156
  - Stellar atmospheres, 25:4912
  - Variable Eddington factors in non-LTE stellar computations, 24:42346
- MIHALCEA, I. Radiolysis of complex oxalates in aqueous solutions. I, 22:12354
  - Radiolysis of the hexamminocobaltic nitrate in aqueous solutions, 24:38966
- MIHALCEANU, I. Experimental studies on tooth eruption, 25:42638
- MIHALCZO, J. T. ACTIVT: 05R Monte Carlo analysis routine for calculation of activation, 21:7636 (ORNL-TM-1674)
  - Calculated fission yield from reactivity additions to an assembly of long, thin fuel rods, 23:4363
  - Comparison of fast pulsed reactor calculations with experiment, 24:11231 (CONF-690102-, pp 9-29)
  - Critical experiments for repetitively pulsed reactor SORA, 22:35605 (ORNL-4263)
  - Critical experiments for repetitively pulsed reactor SORA, 23:11303
  - Critical experiments with a mock-up of the repetitively pulsed reactor SORA, 21:5692 (ORNL-P-2641)
  - Homogeneous critical assemblies of 2 and 3 percent enriched uranium in paraffin, 23:52327 (Y-DR-14)
  - Monte Carlo calculations of thick-graphite-reflected U—metal critical assemblies, 22:33054
  - Monte Carlo calculations of two-core delayed critical assemblies, 23:4339
  - Neutron age and infinite-medium neutron multiplication factor for UF_4-paraffin mixtures with low ^{235}U enrichment, 23:4449
  - Preliminary study of a molten-salt burst reactor, 22:39882 (ORNL-TM-2282)
  - Prompt neutron decay and reactivity measurements in subcritical uranium metal cylinders, 22:15925 (ORNL-TM-1736)
  - Prompt neutron decay and reactivity measurements in subcritical uranium metal cylinders, 22:33004
  - Prompt-neutron decay in delayed-critical assemblies of three interacting cores, 21:38692
  - Prompt-neutron time behavior in delayed-critical coupled U—metal cylinders, 21:11930 (ORNL-P-2643)
  - Sensitivity of neutron-spectrum-dependent quantities in U (93.2 percent ^{235}U) metal assemblies to inelastic scattering models for ^{235}U, 21:8071
  - Static and dynamic experiments with a repetitively pulsed booster, 25:31635 (Y-DR-44)
  - Static and dynamic measurements with the army pulse radiation facility reactor, 23:33094 (ORNL-TM-2330)
  - Superprompt critical behavior of a uranium—molybdenum assembly, 22:6108
  - Use of ^{252}Cf as a randomly pulsed neutron source for prompt neutron decay measurements, 25:33949 (Y-DR-41)
- MIHALCZO, John T. Dynamic neutronic and mechanical measurements with a pulse reactor of uranium—molybdenum alloy, 25:41511
  - Multiplication factor of uranium metal by one-velocity Monte Carlo calculations, 22:7919 (ORNL-P-2033)
  - Rossi-α and pulsed neutron measurements in subcritical coupled U—metal cylinders, 21:23725 (ORNL-P-2854)
  - Simple time-of-flight transmission measurement for incorporation in nuclear engineering curricula, 25:41161
  - Use of ^{252}Cf as a randomly pulsed neutron source for prompt neutron decay measurements, 24:52571
- MIHALCZO, John Thomas Use of ^{252}Cf as a randomly pulsed neutron source for prompt neutron decay measurements, 25:56639
- MIHALIK, P. Geochemistry of uranium minerals in Dominion Reef and Witwatersrand systems, 24:327 (NIM-414)
  - Uranium compounds in Dominion Reefs, and their association with phosphorous compounds, 24:328 (NIM-415)
- MIHALISIN, J. R. Structural studies and properties of a new cast high strength corrosion resistant superalloy, 25:35400
- MIHALISIN, T. Anomaly in thermal resistivity and Lorentz number of CeAl, 25:40815
- MIHALISIN, T. W. Polarized positron annihilation in a (110) nickel crystal, 23:14648
  - Reduction in spin flip breaking of Cooper pairs, 22:38992
  - Superconductivity in multiple pair-breaking regimes, 22:17596
- MIHALISIN, Ted Warren Positron annihilation as a probe for many body effects in metals, 22:50257
- MIHALIUS, F. F. Resonance detector measurements of neutron spectra up to 3 kev, 21:2687
- MIHALOEW, James R. Feasibility study of tungsten water-moderated nuclear rocket. VII, 22:39862 (N-68-18252)
- MIHALOV, J. D. Cislunar geomagnetic tail gradient in 1967, 23:1281
  - Configuration and reconnection of the geomagnetic tail, 22:15413
  - Diamagnetic solar-wind cavity discovered behind moon, 22:2719
  - Electrical conductivity of the Moon, 25:47319
  - Energetic trapped electron observations during Fall of 1964, 21:13447
  - Flux content and form of the geomagnetic tail, 25:35991
  - Geomagnetic tail, 23:44278
  - Geomagnetic tail structure near the null sheet, 25:14113
  - Magnetic field re-connection at tangential discontinuities in the solar wind, 22:36668
  - Magnetic observations of the lunar cavity, 25:30388
  - Magnetopause geometry and waves at lunar distance, 24:23878
  - MHD Rankine—Hugoniot equations applied to Earth's bow shock, 24:19815
  - Pressure balance across the distant magnetopause, 25:16935
  - Reconnection and noise in the geomagnetic tail, 25:1069
- MIHARA, N. Liquid structure factor of ground-state ^{4}He, 22:48042
- MIHARA, Norihiko Ground-state of liquid ^{4}He, 23:23055
- MIHASHI, Yasuo Sintering process for Ni—P alloy coated W, 25:35354
  - Sintering process of Ni—P alloy coated W, 25:29793
- MIHE, Jean-Pierre Oxidation of tungsten and rhenium at low pressure, 23:32014 (ORNL-tr-2153)
  - Oxidation of tungsten and rhenium under low pressure, 22:28740
- MIHELCIC, B. Testing of reactor control system, 23:43153
- MIHELE, V. Automatic plotter of Geiger counter plateau, 23:38260
- MIHELICH, J. W. Coincidence and directional correlation measurements on decay of ^{160}Tb employing a Ge(Li) detector, 21:31784
  - Coincidence and directional correlation measurements on decay of ^{156}Tb(5.3d), 22:5845
  - Coincidence measurements on the decay of ^{168}Tm(87 day), 22:20594
  - Decay of ^{146}Eu, 23:5878
  - Decay of ^{150}Eu(12.8 hr), 22:42082
  - Decay of ^{155}Dy(10.2h) to ^{155}Tb and ^{157}Dy(8.06h) to ^{157}Tb, 21:33978
  - Decay of ^{155}Tb(5.6 d) and ^{155}Eu (1.81 y) to levels in ^{155}Gd, 21:23498
  - Decay of ^{158}Tb(150 y) to levels in ^{158}Gd and ^{158}Dy, 24:20413
  - Decay of ^{183}Re(13 h and 64 h) and ^{183}Ta(115 d) to ^{183}W, 24:11010
  - Directional correlation measurements in ^{170}Yb, 24:43351
  - Half-lives of 4+ and 2+ rotational states in several rare-earth nuclei, 22:14045
- MIHELICH, John W. Technical progress report, December 1, 1969—November 30, 1970, 24:524 7 (COO-498-82)
- MIHICS-FARKAS, C. Origin of impurities and how they get into galvanic coatings, 22:14724
- MIHM, Knut Radiobiological investigations with Cr-labeled erythrocytes. IV, 21:3442
- MIHRAN, Theodore G. Plasma frequency and velocity spread in bunched electron beams of finite diameter, 21:11410
  - Space-charge wavelengths in electron beams, 22:11762
- MIHU, Razvan V. RPA pairing correlation in alpha decay of even—even deformed nuclei, 24:40676
- MIHUL, A. Analysis of the energy variation of baryon behavior in inelastic π-N scattering, 21:17119
  - Correlation between transverse and longitudinal momenta of secondaries in 8 GeV/c π^+ p interactions, 24:45443
  - Cross-sections of strange particles production in π^-p interactions at 20 GeV, 24:45445
  - Determination of direction of neutral high-energy particle beam of JINR synchrophasotron by conversion pairs and the γ-quanta spectrum of this beam, 22:45332 (ANL-Trans-640)
  - K anti K production in four-prong π^+p interactions at 8 GeV/c, 25:22704
  - K anti K production in four-prong π^+p interactions at GeV/c, 25:56428 (IFA-HE-75)
  - Λ K production in four-prong π^+p interactions at 8 GeV/c, 25:56427 (IFA-HE-73)
  - ΛK production in four-prong π^+p interactions at 8 GeV/c, 25:22705
  - Strange-particle production from four-prong π^+p interactions at 8 GeV/c, 25:22692
  - Strange-particle production in π^+p interactions at 8 GeV/c, 24:45444
  - XI^- hyperon production in PI^-—N interactions, 24:40263 (IFA-HE-65)
- MIHUL, Alexandru Angular correlations of π^{-+} mesons in reactions $\pi^{-+}p \to \Lambda K m\pi$ and $\pi^{-+}p \to N$ anti $KKm\pi$ with m greater than or equal to 3 for energies of 7.5 and 8 GeV, 24:52088
  - Transfer distribution of the four momentum of the proton in the π^--p inelastic interactions at 20 GeV, 21:42269
- MIHUL, E. Analysis of the energy variation of baryon behavior in inelastic π-N scattering, 21:17119
  - n-point Lorentz invariant distributions. I, 24:10807 (JINR-E2-4734)
  - Particle decays in the theory with non-compact groups, 21:29594
- MIHUL, Eleonora Causal groups of space—time, 24:3768
- MIHUL, V. Double charge exchange of 50- to 176-MeV π^- mesons in photoemulsion, 21:17053
  - Double charge exchange of π-mesons in photoemulsion in 50 to 176 MeV energy range, 22:50307
- MIHURSKY, J. A. Bibliography on effects of temperature in aquatic environment and addendum, 25:49119 (NP-18965)
- MIHURSKY, Joseph A. Patuxent thermal studies, 24:47882 (NP-18423)
- MIIDA, Atsuro Study on the theta-pinch shock-wave tube, 23:1459
- MIIDA, J. Postoperation inspection on JPDR pressure vessel, 24:26697
  - Stability analysis of large boiling water reactor by a coupled reactor model, 24:47955 (CONF-680980-, pp 351-61)
- MIIDA, Yoshiro Ionizing shock wave in transverse magnetic field, 24:26195
- MIIO, Masahiro Instrumentation in nuclear medicine, 23:16111
- MIJAJLOVIC, Radisa Effects of various doses of ionizing radiation on the taking and development of grapevine grafts, 21:36755
- MIJNARENDS, P. E. Determination of anisotropic momentum distributions in positron annihilation, 21:37118
  - Finite slit-length correction in positron annihilation experiments, 23:41945
  - Positron annihilation in metals, 23:46255 (RCN-108)
- MIJNHEER, B. J. Contribution to problem of discrepancy in experimental Q values of capture decay of ^{204}Tl, 21:19253
  - Standard fission neutron source, 21:25412
  - Standard fission neutron source, 21:29858
  - Standard fission neutron source, 22:7620
  - Standard flux of thermal and epi-thermal neutrons, 24:10892 (CONF-680461-4)
- MIKA, J. Effective solutions to the problems of neutron transport kinetics in one and three dimensions, 23:25760 (RT/FI-(68)32)
  - Equivalence of integral transform and spatial spherical harmonics methods, 23:28615
  - Initial value problem in neutron thermalization theory, 23:15338
  - Spectral properties of multigroup transport operator with delayed neutrons, 23:52470
  - Time behavior of thermal neutrons in moderating media, 23:42833
  - Time behaviour of thermal neutrons in moderating media, 23:1757 (INR-P-925)
  - Time-dependent neutron transport with elastic scattering, 21:46641 (INR-805/XXI/TH)
  - Time-dependent thermalization with elastic scattering, 22:30372
- MIKA, Janusz Disappearance of discrete eigenvalues of the transport operator in plane geometry, 21:40355
  - Fundamental eigenvalues of the linear transport equation, 25:59683
  - Initial value problem for the neutron thermalization, 21:29853
  - Spectrum of the neutron transport operator in nonuniform media, 22:5750
  - The behavior of one-velocity neutrons in infinite medium, 24:1724
  - Time dependent neutron transport in plane geometry, 21:25417
- MIKA, Jozsef Beta backscattering of some organic solvents, 22:124
- MIKA, N. Computer evaluation of diagnostic x-ray spectra, 25:21775
- MIKA, Norbert Importance of measuring the x-ray spectrum in diagnostic radiology, 24:23248
- MIKADO, Mariko Formation constants of the rare-earth complex species, 25:67 (CONF-700403-(Vol.1), pp 266-76)
- MIKADO, Tomohisa 33 MeV ETL electron linear accelerator, 25:43752
  - Absolute measurement of Linac x-ray energy fluence, 25:43750
  - Beam transport system of ETL Linac, 25:43764
  - Dependence of electron bremsstrahlung generation on target thickness and forward angle, 25:43751
  - Energy calibration of Linac analyzing system by means of photonuclear reaction, 25:43749
  - Ionization chamber response for pulsed radiation and the drift velocity distribution of filling gas, 25:42088
  - Ionization chamber response for pulsed radiation and drift velocity distribution of filling gas, 25:55015
  - Penetration of 24.8 MeV electrons through thick layers. I, 25:45525
- MIKADO, Tomoshisa Reconstruction and performance of ETL electron linear accelerator, 25:43755
- MIKAELIAN, K. O. Production of single W bosons in electron—positron colliding beams, 25:59383
- MIKAELSEN, K. Chromosome aberrations induced by ionizing radiations in barley, 24:21146
  - Effect of fast neutrons and gamma radiation on seedling and root growth, 24:17166
  - Effects of fast neutrons and gamma radiation on rice, 24:17024
  - Effects of fast neutrons on seedling growth and metabolism in barley, 24:17164

Effects of water content, oxygen, and metabolic state on genetic effect of fast neutrons and gamma radiation of barley seeds, 24:50806 (CONF-691106-6)
Influence of mitotic stage on the effectiveness of mutagen treatments, 24:41824
Lifetimes of radiation-induced oxygen-sensitive centers in barley, 24:21145
Modifying effects of water content, oxygen, and cysteine on genetic effects of gamma and fast neutron radiations in barley seeds, 25:4604
Mutagen treatments of rice, 24:41812
Neutron-irradiation experiments with barley seeds, 23:52424
Procedures for irradiating, cultivating, and measuring cereal seeds, 23:50937
Protective effect of cysteine, cysteamine, and cystamine against x-induced chromosome aberrations, 23:29445
MIKAELSEN, Knut Neutron irradiation of seeds, 23:45947 (CNM-R-2(Vol.2), pp 826-40)
Studies on physical and chemical mutagenesis in plants, 24:50809 (NP-18424)
MIKAELYAN, L. Possibilities of experimental investigation of anti ν/sub e/-deuteron interaction, 22:44314
MIKAELYAN, L. A. Induced capture of orbital electron, 21:44777
Induced capture of orbital electron, 22:24898 (BNL-tr-203)
Possible test of the lepton charge conservation by means of impulse generator of antineutrinos, 24:30546
MIKAELYAN, M. G. Acute bleeding effect on the gastric secretion in irradiated animals, 21:6707
Disturbance in regulation of stomach secretory function due to x irradiation and blood loss, 23:10079
Disturbance of gastric secretion in animals hemorrhaging during an acute radiation sickness, 21:4755
X-radiation effects on rats and their offspring, 24:36700
MIKAELYAN, R. G. Effect of Ce addition on optical properties of gamma-irradiated CaF_2:Dy^{3+} crystals, 21:11701
MIKAIELOFF, Hubert Irradiation behavior of mixed U—Pu carbides, nitrides, and carbonitrides, 21:34973 (CEA-R-3223)
MIKAILOFF, Hubert Densification mechanisms under irradiation of UO_2—PuO_2 mixed oxide: effects on fission gas production, 24:36995 (CEA-N-1254)
Effect of density and stoichiometry on oxide fuels behavior, 24:10204
Experiments conducted at Fontenay-aux-Roses on oxide fuels, 23:52484 (CEA-CONF-1296)
Irradiation of mixed U and Pu carbide and nitride fuels, 24:14964 (EURFNR-688)
Irradiation of mixed U and Pu carbide and nitride fuels in fast neutron loop "MFBS", 25:52472 (EUR-4347)
Irradiation of mixed UO_2—PuO_2 oxide fuel elements, 21:9248 (CEA-R-3066)
Irradiation of mixed UO_2—PuO_2 oxide samples for fast neutron reactor fuel elements, 24:4855 (CEA-R-3878)
Irradiation results of mixed UO_2—PuO_2 test pieces, 24:23537 (EURFNR-707)
Mechanisms of densification of mixed oxide UO_2—PuO_2 during irradiation effects on fission gas release, 25:781 (ORNL-tr-2387)
Partial melting of low density mixed oxide $(U,Pu)O_2$ at beginning of irradiation, 25:4879 (CEA-CONF-1659)
Relation between the swelling of metal fuels and the release of fission gas, 24:4163 (CEA-CONF-1357)
Relation between the swelling of metallic fuels and the release of fission gases, 25:677
Results of irradiation of mixed UO_2—PuO_2 oxide fuel elements, 21:19392 (EURFNR-209-F)
MIKALIS, A. N. Evaluation of clays as binding agents for reduction of radionuclides in milk, 24:7820
MIKAMI, A. Determination of Sc and Au in meteorites, tektites, and standard rocks by neutron activation, 24:48052
MIKAMI, Chuji Drumstick of blood cells and bone marrow transplantation in dogs, 21:34719
Studies on bone marrow transplantation, 22:45712
MIKAMI, Hisashi Separation of Ar isotope mixture, 23:4791
Separation of isotope mixture, 23:43470
MIKAMI, Takao Device for driving a control rod, 23:26424
Device for driving a reactor control rod, 22:35503
Device for driving a reactor control rod, 23:11366
Device for driving a reactor control rod, 23:43215
Grab-manipulation rod for radioactive material, 22:49053
MIKAMI, Yasuharu Electron microscopy study of the precipitation processes in Cu—2 wt. percent Be alloy, 25:13715
Precipitation processes in Cu—2 wt. percent Be alloy, 25:45081
MIKAMI, Yoshiki Effects of rainwater radioactivity on organisms, 22:28671
MIKAMO, S. Asymptotic behaviors of diffraction slopes of elastic anti pp and pp scattering, 23:51963
Multiprong events in 25 BeV/c π^-p collisions, 22:39279 (CERN-68-7(Vol.2), pp 244-61)
Observation of kappa (730 Mev) production in π^+ p interactions at 3.2 Gev/c, 21:884
Proton—proton elastic large-angle scattering in the high-energy limit, 23:51964
Simple systematic behavior in multiple pion production in 25-GeV/c π^-p collisions, 22:9513
Spin-parity $3/2^-$baryons and singlet-octet mixing, 22:3435
MIKAMO, Shoji Regge-pole model of elastic large-angle scattering at high energies, 24:18228
MIKAWA, Y. Infrared spectra and normal coordinate calculation of crystalline formic acid, 22:8067
Photon scattering cross sections at Lyman—α (1215.7 A) for He and Ne, 21:33130
MIKELSON, A. E. Indium—Ga—Sn alloy activation in radiation loop of an IRT reactor, 23:15685
Influence of radiation loop activity generator's elements on active section of IRT reactor, 23:49590
Influence of the radiation loop activity generator elements on the active section of an IRT in water reflector, 23:15681
InGaSn alloy activation in radiation loops of IRT reactor, 23:49594
Liquid metal oscillation with consideration of magnetic viscosity, 22:41429
Radial oscillations of a conducting cylinder under the influence of a magnetic field, 21:35066
Ultrasonic vibrations of a horizontal cylinder in crossed electric and magnetic fields, 25:45352
MIKELSONS, M. Advanced computer-based nuclear physics data acquisition system, 21:39312
Flexible scheduling for real-time environment, 24:7682 (CONF-690301-, pp 493-502)
Interactive graphics system for nuclear data acquisition, 23:29261
Multiprogramming system for real-time applications, 24:7683 (CONF-690301-, pp 503-6)
MIKERINA, N. V. Deformation velocity of the solar wind, 25:16923
Electric field of solar wind and magnetic disturbances at Earth's surface, 25:22447
Fast shock wave in solar wind and geomagnetic disturbance on Oct. 7, 1962, 25:47429
Geomagnetic storm of April 1—2, 1964, 22:38959
Interplanetary magnetic field flux and the K/sub p/ index of magnetic activity, 25:2981
Magnetic effect of interaction of magnetosphere with filament-like inhomogeneity of the solar wind, 25:17021
Magnetic perturbations in magnetosphere induced by solar-wind tangential break, 24:23858
Magnetic storm of September 14, 1966, 24:6446
Rate of change of S/sub q/ variations of geomagnetic field, 22:24127
Rate of magnetic field variations during very large magnetic storms at middle and low latitudes, 24:12749
Relationship of azimuthal component of interplanetary electric field and geomagnetic field in polar regions, 24:21663
S/sub q/ variation and the system of S/sub q/ currents in the ionosphere, 23:12671
Solar wind parameter variation, magnetic activity, and electrons of the tail of magnetosphere and radiation zone, 25:58852 (LA-tr-71-69)
Tangential discontinuity in the solar wind and a ground magnetic disturbance, 24:6455
Velocity and width of interplanetary plasma flows, 23:20636
MIKESKA, H. J. Conservation laws and residual interaction in nuclei, 23:19343
Critical heat flux in liquid He II close to the lambda transition, 23:16760
Low-temperature specific heat of liquid ^3He, 21:18558
Odd-parity states of ^{16}O according to Fermi liquid theory, 22:18126
Phonon effects in the motion of positrons in metals, 21:20761
MIKESKA, Hans-Juergen Critical exponents for lambda phase transition in liquid helium, 24:3256
Effects of positron—phonon interaction in metals, 24:21564
Magnetic field effects in onset of superconductivity, 24:6501
Onset of surface superconductivity, 25:9388
Phase transition without long-range order in two dimensions, 24:35334
MIKETINAC, Milivoj Josip Study of some higher-dimensional unified field theories, 24:35691
MIKETUKOVA, V. Thin-layer chromatographic properties of trace metals. I, 24:22758
Thin-layer chromatographic properties of trace metals. II, 24:22763
MIKHAEL, Evon Cytogenetic studies on effect of chronic gamma irradiation on Vicia faba, 25:18950
MIKHAELYAN, B. M. Effect of gamma irradiation on the electrical characteristics of specially pure silicon, 24:32892 (AD-700579)
MIKHAELYAN, V. M. Bombardment of silicon monocrystals by positive intermediate-energy cesium ions, 22:39196
Radiation phenomena in dielectrics and semiconductors, 23:44532
MIKHAIL, G. Radioimmunoassay of plasma estrone and estradiol, 24:31875
MIKHAIL, R. Sh. Radiation sintering of magnesia, 25:32860
Surface area and pore structure of ceric oxide, 24:42248
Surface area and pore structure of ThO_2, 24:42247
Thermal treatment of thorium oxide gel at low temperatures, 21:26902
MIKHAIL, S. Z. Comparison of Monte Carlo beta dose calculations for polystyrene with experiment, 24:6038
Corrosion of fuel capsules by seawater, 24:23431
Development of ocean diffusion models, 22:37893 (SC-CR-68-3532)
Implications of substitution of strontium oxide for strontium titanate in terrestrial/marine radioisotopic power units, 24:25216 (USNRDL-TR-69-75)
Transport of radioactivity in the ocean, 23:35352
Volume of the contaminated region from a continuous point source in the ocean, 24:5767
MIKHAILENKO, A. A. Symptoms of nervous system lesions in acute local radiation injuries, 24:44613
MIKHAILENKO, I. E. Continuous dosimetric apparatus for radiation catalysis, 22:4485
Conversion of n-hexane over alumina—chromia—potassia catalyst in a nuclear reactor, 21:23912
Correlation between catalytic activity and electric conductivity of semiconductors on irradiation, 25:46502
Electronic and catalytic properties of semiconductors under irradiation, 24:37541
EPR study of radioactive $MgSO_4$ catalysts, 24:20828
Gas-chromatographic study of the effect of radioactive radiation and heat treatment on the adsorptive properties of magnesium sulfate, 25:54603
Infrared spectroscopic method of studying change in type of bonding in sulfate ion, 23:47468
Installation for the measurement of the electric conductivity and thermoelectromotive force of radioactive catalysts, 22:38155
Investigation of isomerization process over radioactive magnesium sulfate, 22:4205
Temperature dependence of the electric properties of tungsten disulfide irradiated in a nuclear reactor, 22:24417
Use of infrared spectroscopy in the investigation of defects in radioactive inorganic compounds, 21:24056
MIKHAILICHENKO, A. I. Calculation of the coefficient of separation of isotopes by multistage condensation of isotopic mixtures, 22:16776
Extraction equilibriums in the system bis(2-ethylhexyl) phosphate—octane—Tm^{3+}—H^+—Na^+—ClO_4—water, 24:19067
Extraction of heavy rare earth elements in bis(2-ethylhexyl) phosphate, 23:40818
Extraction of rare earth elements by bis(2-ethylhexyl) ester of orthophosphoric acid from nitrate solutions, 23:28973
Mechanism of extraction of tetravalent Cr by bis(2-ethylhexyl) phosphate from nitrate solutions, 25:15740
Obtaining highly pure cerium oxide by the extractions method, 23:43396
Relationship between the separation factor during isotopic exchange and the properties of the exchanging molecules, 21:12412
Separation of rare earth elements by distributive chromatography with utilization of bis(2-ethylhexyl) orthophosphate sorbed on silica gel, 23:40808
Some laws of isotope separation by chemical exchange, 23:28994
MIKHAILICHENKO, A. V. Azimuthal telescope for cosmic-ray registration, 23:41001
MIKHAILICHENKO, V. I. Generation of strange particles on nuclei by 3.9-GeV/c π^- mesons, 25:33556
Transverse momenta of strange particles produced in pion interactions with nuclei, 24:51974
MIKHAILOV, A. A. Course in astrophysics and stellar astronomy. II, 24:37015 (N-70-17976)
Relativistic theory of annual parallaxes, 23:51164
MIKHAILOV, A. F. Auto-ion-microscope investigation of the intergranular layer in tungsten, 25:49458
MIKHAILOV, A. I. Acceleration and extraction of deuterons from the JINR proton synchrotron, 25:12303 (JINR-P9-5442)
Calibration of tracking electrodes in proton synchrotrons, 24:1714
Concerning the mechanism of radiation crosslinking of polyisobutylene in the presence of p-divinylbenzene, 25:23596
Deuteron acceleration in LHE synchrophasotron, 25:5449 (JINR-P9-5311)
Mode of d and He acceleration in JINR synchrophasotron, 23:17020 (JINR-P9-4214)
Perturbation theory for Dirac equation, 22:19793
Potential role of the tunnel effect in postradiation reactions in solid organic materials, 25:54596
Relativistic atomic photoeffect from K shell near the threshold, 22:47823
Relativistic Compton scattering from H-like atom, 24:20109
Screening in the atomic photoeffect, 21:33149
MIKHAILOV, A. V. Variations in ion composition of ionospheric E region at night, 25:22441
MIKHAILOV, B. P. Composite superconductors obtained by phase substitution, 24:21731
Effect of vibration on structure of alloys of Nb containing Sn, 24:26097
Superconducting electrolytic films of niobium, 25:36056
MIKHAILOV, G. A. Calculating derivative functionals by Monte Carlo method from solution of transfer equation, 22:5712
Investigation of thermodynamic properties of ^3He—^4He solutions during HeI—HeII transition, 23:3414
Method for modeling the mean free path of particles, 24:45309
NMR for investigation of thermodynamic properties of ^3He—^4He, 22:13406
Nuclear relaxation in liquid solutions of helium isotopes, 23:14738
One of the principles for optimization of calcuations by Monte Carlo method, 23:3549
Perturbation estimates for nuclear reactors by the Monte Carlo method, 21:14026
MIKHAILOV, G. I. Analysis of lithium by yield of $^7Li(\alpha,\alpha^1)^{7*}Li$ reaction, 22:47089
Application of the reaction $^{11}B(p,\gamma)^{11}C$ for determination of B, 23:28760
Determination of lithium by measurement of $^7Li(p,\gamma)^8Be$ reaction yield, 23:82
Use of (p,γ) reaction to determine light-element content in thin surface layers, 25:57396
MIKHAILOV, G. S. Properties of titano—magnesium and titano—beryllium oxide energy absorbers of superhigh-frequency vibrations, 22:1343
MIKHAILOV, G. V. Emission of a direct self-constricted discharge in visible and ultraviolet regions. I, 21:18651
Emission of a direct self-constricted discharge in visible and ultraviolet regions. II, 21:18650
High-current pulse discharge in lithium, 25:33238
MIKHAILOV, I. N. Calculation of nucleon—phonon interaction effects in a simple nuclear model, 21:19300
Connection between Brueckner reaction matrix and effective force operator for nuclear RPA, 22:39692 (JINR-P4-3849)
Coupling of collective modes in deformed nuclei, 25:12702
Decay scheme of ^{125}Sb, 21:44757

Description of nuclear rotational band by collective variable method, 21:27622 (JINR-P4-3204)
Description of the nuclear rotational bands by the collective variable method, 22:7756
Effective force for nuclear RPA, 24:24666
Effective force for nuclear variant of RPA, 22:39693 (JINR-P4-3873)
Effective interaction of valence neutrons in ^{58}Ni, 25:50668
Field producing part of the effective interaction in nuclei, 22:27312
Formulating microscopic theory of nuclear collective motion, 25:5811
Generalized SU_3 rotons in Elliott model, 24:49956
Optimum separability condition for the rotational degree of freedom and the nuclear moment of inertia, 21:1123 (JINR-P-2865)
Residual interaction in nuclei, 21:12075 (JINR-E4-3034)
Residual interaction in nuclei, 21:25579
Rotons in description of nuclear transition rates, 24:28836
Rotons in nuclear theory, 24:30878
Rotons in nuclear theory, 24:43506
Two-dimensional soft rotator in a theory of nuclear rotation, 23:49456

MIKHAILOV, L. M. Arguments for the establishment of standards for inert radioactive gas, 23:14198
Contribution to the setting-up standards for inert radioactive gases, 21:43218 (BNL-tr-141)
Probability of radiation accidents at nuclear power stations, 24:7899

MIKHAILOV, M. Investigation of the radioactivity of the soil in a region with an elevated radiation background, 21:43373
Lifetime of excited states of Gd nuclei, 24:26662

MIKHAILOV, M. G. Evaluation of radiation dose in population in fallout contaminated area, 23:6457

MIKHAILOV, N. A. Use of NG-160 neutron generator for neutron-activation analysis of sandyclayey rocks to determine contents of silicon and aluminum, 25:48486

MIKHAILOV, N. N. Basic properties of 65BT-type superconducting alloy wire in specimens and solenoids, 21:20895
Change of superconducting transition temperature of U_6Fe induced by neutron irradiation, 25:7337
Concerning superconductivity of V_3In, 22:9262
Investigation of helium at pressures above the critical pressure for cooling superconducting system in space flight conditions, 22:44061
Preparation and properties of niobium—tin diffusion strips, 24:10027
Production and inspection of the purity of tungsten and molybdenum single crystals, 21:36817
Superconducting alloy, 25:43318
Superconductivity of alloys of system Nb_3Al—Nb_3Ge, 22:17585
Superconductivity of alloys of the system Nb_3Al—Nb_3Ge, 23:51577
Tests on the maintenance under orbital flight conditions of low temperature assuring the operation of superconducting systems, 22:29432
Use of helium at pressures above critical for cooling superconducting systems, 23:44353

MIKHAILOV, N. V. Investigating the vibrocompacting of concrete mixes with the use of radioisotopes, 25:57869

MIKHAILOV, O. E. System for the transmission of data from the analyzer into the computer, 25:23914 (ITEF-779)

MIKHAILOV, O. F. Potential changes of chromosomes as a result of interaction of radiation and alkylating compounds, 25:55260

MIKHAILOV, S. K. Effect of alloying on the oxidation of niobium at low pressures, 25:55380
Effect of high temperature neutron irradiation on mechanical properties and cold brittleness of single and polycrystalline molybdenum, 22:52217
Effect of neutron irradiation on the mechanical properties of molybdenum single crystals, 22:1329
Region of applicability of Henry's law and Sievert's law for solutions Nb—O and Nb—N, 25:45035
Strengthening of niobium and its alloys, 22:52181
Visualizing dislocation structure of Mo by etching in Ar flow, 25:4796

MIKHAILOV, S. M. Thermionic emission from (100) faces of single crystals, 24:3463

MIKHAILOV, V. Nuclear weapons and defense against them, 22:12467 (UCRL-Trans-10197)

MIKHAILOV, V. A. Analytical chemistry of Np, 24:50341
Effect of tri-n-butyl phosphate and n-octanol on thermodynamic activity of di-n-butylphosphoric acid in benzene and n-heptane, 21:32257
Extraction of uranyl salts with tri-n-octylamine oxide, 21:10436
Investigation of the solubility of plutonium arylarsonates, 24:2200
Measurements in beams of fast electrons, 25:42411
Tracking spark chamber with isotropic properties for studying high-energy nuclear interactions, 21:45404

MIKHAILOV, V. B. Energy and mass distributions of fragments at fission of ^{233}U and ^{235}U by fast neutrons, 22:14064
Influence of intermediate states of fissile nucleus ^{233}Th on mass and kinetic energy distributions of fragments, 22:35360
Kinetic energies and fragment yields from fission of ^{233}U and ^{238}U by monoenergetic neutrons, 22:5857
Mass and kinetic energy distributions of fragments from ^{233}U fission induced by thermal and fast neutrons, 21:21559

MIKHAILOV, V. D. Elementary particle physics, 21:2393
Muon bremsstrahlung on electrons, 21:2407

MIKHAILOV, V. G. Aspects of behavior of ^{137}Cs, 22:14927
Influence of radionuclides on enzymes of rat blood and tissues, 25:10968

MIKHAILOV, V. I. Pulse generator of megavolt capacity, 25:56583 (IAE-1980)

MIKHAILOV, V. M. Calculation of heat release in cylindrical fuel elements, 22:6527 (ITEF-455)
Calculations of transition intensities in deformed nuclei, 21:44768
Determination of neutron distribution in cylindrical block by method of successive collisions, 22:7613 (ITEF-482)
Effect of atomic ionization on K x-ray transition energy, 25:40367
Effect on β-decay probability of variations of the light particle wave functions within the nucleus, 21:25588
K-forbidden β transitions in ^{160}Tb decay, 21:44712
Ratios of reduced probabilities of γ-transitions between rotational bands, 22:39670
State of K/sup π/ = 1^+ in strongly deformed nuclei, 25:25826

MIKHAILOV, V. N. High-speed correlation counter of visible spectrum photons, 21:6294
Region of plasma perturbation area near electrodes, 22:50071

MIKHAILOV, V. S. Thermal denaturation of ribonuclease dissolved in heavy water, 25:41793

MIKHAILOV, V. V. X-ray study of the phase transition in Nb_3Sn, 22:46060

MIKHAILOV, Ya. D. Effect of alloying on the nature of the interatomic interaction in niobium-base solid solutions, 21:45902
Effects of alloying on the character of the interatomic reactions in niobium solid solutions, 21:14842

MIKHAILOV, Yu. A. Heat and mass transfer in magnetic fields, 23:48788
Theory of heat and mass transfer, 22:9149

MIKHAILOV, Yu. E. Peroxidase and catalase activity in oxygen under pressure, 25:23422 (ANL-Trans-877)

MIKHAILOV, Yu. I. Radioinduced and thermal decomposition of silver salts, determined from their dielectric characteristics, 23:35161

MIKHAILOV, Yu. N. Crystal structure of hydroxytricarbamide uranyl polyiodide $[UO_2(OH).3CO(NH_2)_2]I_4$, 23:2262
Selection of scatterer for neutron beam extraction from reactor through tangential channel, 22:44904
X ray studies of monoaquotetracarbamidouranyl halide nitrates, 25:2214

MIKHAILOV, Yu. V. Modifications of Minsk-2 and Minsk-22, 23:11898 (IFVE-SVM-68-44-K)
System of connection of scintillation hodoscope in line with computer Minsk-22, 23:45543 (IFVE-SEF/SVM-68-78)

MIKHAILOV, Yu. Ya. New phases in Sc—V—O system, 25:58401

MIKHAILOVA, A. A. Complex dose dependence of the rate of growth of a cell culture in vitro after external γ-irradiation, 23:29716
Delay of mitosis in culture of mammalian cells under α and γ rays, 25:11272
Tissue culture method in radiobiological investigations, 22:23431

MIKHAILOVA, A. I. Absorption of ^{140}Ba, ^{89}Sr, and ^{45}Ca by bone tissue, 22:45456
Coprecipitation of radium with a prototype of the bone mineral calcium hydroxylapatite, 25:57418
Coprecipitation of Sr, Ba, and Ra from calcium hydroxyapatite, 25:21107
Mechanism of absorption of alkaline earth elements by bone tissue, 24:575

MIKHAILOVA, A. K. Purification of industrial waste waters with high-energy radiation, 24:48112 (ORNL-tr-2389)

MIKHAILOVA, E. G. Role of chain-radicals processes' inhibition in chemical prophylaxis of radiation injuries, 22:28548

MIKHAILOVA, G. A. Spectra of atmospherics at ultra-low frequencies during the nighttime, 22:15463

MIKHAILOVA, G. V. Patterns of F_2 layer, 21:25034

MIKHAILOVA, L. F. Disturbances in metabolism of nucleic compounds in rats under prolonged γ irradiation, 22:23653

MIKHAILOVA, L. I. Possible method for finding resonances with incomplete knowledge of the interaction, 22:15701

MIKHAILOVA, L. S. Chemiluminescence reaction in the system luminol—copper(II)—zirconium(IV)—hydrogen peroxide, 22:33219

MIKHAILOVA, M. A. Alpha decay of ^{225}Ac, ^{221}Fr, and ^{217}At, 22:9865
Decay of ^{225}Ac, 25:31325
Ratios of reduced probabilities of γ-transitions between rotational bands, 22:39670

MIKHAILOVA, N. K. Complex formation of Am(III) with Cl^- ions in aqueous solutions by spectrophotometry, 24:13820

MIKHAILOVA, O. A. Methods of determination of ^{137}Cs in objects of external environment, 25:57355

MIKHAILOVA, T. G. Electron paramagnetic resonance spectra of irradiated glasses of Na_2O—TeO_2 system, 21:44203
EPR irradiated polymers of carbazole, 23:314

MIKHAILOVA, Vera Preparing ^{147}Pm from target of neodymium oxide by ion exchange, 22:23068
Utilization of α-hydroxyisobutyric acid as eluent in ion-exchange separation of promethium and neodymium, 22:23120

MIKHAILOVICH, S. M. Antidote therapy of uranium and polonium poisoning, 23:22275 (AEC-tr-6944, pp 670-7)
Effect of therapeutic intervention on the long-term consequences of poisoning with the fission products of uranium, 23:22277 (AEC-tr-6944, pp 703-9)
Effects of oxathiole on condition of liver and kidneys during ^{210}Po-induced chronic radiation sickness, 25:29563

MIKHAILOVSKAYA, L. V. Cyclotron instability of monoenergetic ions in a curvilinear magnetic field, 21:33491
Instabilities in a collisional finite-pressure plasma with temperature inhomogeneities, 25:49918
Oscillations of a nonuniform finite-pressure plasma, 22:20010

MIKHAILOVSKII, A. B. Drift waves in a finite pressure plasma, 21:5310
Electron temperature instability of a nonuniform plasma, 22:3135
Instabilities of a high-pressure plasma contained by a dense blanket of neutral gas, 25:27744
Instability of a finite and high-pressure plasma with finite electron thermal conductivity, 25:30546
Instability of a high-pressure inhomogeneous plasma in a homogeneous magnetic field, 25:1234
Instability of entropy waves due to the gyro-relaxation effect in a finite pressure plasma, 24:49212
Instability of the relative motion of spatially separated electron streams in a magnetic field, 21:18773
Ion-cyclotron drift instability in finite-β plasma, 25:59070
Macroscopic description in stability problems of a collision plasma in a strong magnetic field, 21:25154
Methods of plasma theory and the problem of gravitational stability, 25:16734
Most dangerous instabilities of a collisional plasma in a magnetic field, 21:27212
Oscillations of an inhomogeneous plasma, 22:3113
Resonance interaction of particles with waves of Alfven type, 22:15522
Stability of a high-β plasma with a weak pressure gradient, 25:36176
Stability of finite-pressure plasma with trapped particles, 25:17194
Stability of the skin layer in a plasma with collisions, 22:9403
Theory of plasma instability. I, 25:25136

MIKHAILOVSKII, I. M. Auto-ion microscope investigation of tungsten irradiated by 240 MeV electrons, 22:31988
Crowdion mechanism of plastic deformation, 25:43484
Evaporation of tungsten in strong electric fields as stimulated by nitrogen adsorption, 25:58227
Field-ion-microscope study of W deformed by an electrostatic field at 900 to 1700°K, 25:55451
Lattice defects in W bombarded with high-energy electrons, 25:49989
Low-temperature surface migration of W, activated by ion bombardment, 24:42778
Stacking faults in tungsten, 22:50249
Strength of tungsten microcrystals, 21:45920
Substructure and microtopography of tungsten fibers tested to failure, 25:49473
Surface self-diffusion of tungsten in strong electric fields, 25:49987

MIKHAILUS, F. F. Calculating passage of neutrons in spherical geometry by the Monte Carlo method, 24:15379 (NP-tr-1864)
Measurement of absorption cross sections for neutrons with a mean energy of 24 keV by transmission in a spherical geometry, 22:18288

MIKHAJLOVIC, Aleksandar Z. Gamma phase transformation in a U—Nb alloy, 23:46080

MIKHAL'CHENKO, G. A. Appearance of an emf incident to annealing of the β-irradiated alkali metal halide crystals, 21:21068
Radioluminescence flash in NaCl crystal, 21:25184
Radioluminescence flash in NaCl:Ag crystal, 21:25185
Radioluminescence of NaCl single crystals, 21:25177
Radioluminescence of phosphorus-activated alkali metal halide crystals, 21:29373
Radioluminescent and storage properties of alkali metal halide crystal phosphors, 21:29374
Relation between luminescence and motion of charges in alkali metal halide phosphors, 21:29367

MIKHALCHENKO, V. A. Use of ^{198}Au for postoperative irradiation of milk-duct carcinoma in man, 21:20239

MIKHAL'CHI, E. D. Absorption curve and energy spectra of high-energy muons, 22:2846
Population of highly excited levels in rarefied plasmas, 24:1407

MIKHALENKOV, V. S. Angular distribution of photons during positron annihilation in Mo, 24:30403
Annihilation of positrons by electrons in plastically deformed metals with bcc lattice, 21:5082
Annihilation of positrons in deformed nickel-base alloys, 22:52513
Change of resistivity by annealing of nickel irradiated with alpha particles, 21:11264
Positron annihilation in deformed nickel alloys, 22:17367
Positron annihilation in superconductive Nb—Al alloys, 23:30480
Shape of γ quanta angular distribution curve in annihilation of positrons in ferromagnetics, 22:5097

MIKHALETS, R. Neutron-diffraction studies, 24:31725

MIKHALEV, V. G. Plasma acceleration in accelerators with dielectric erosion, 24:49201

MIKHALEV, V. I. Properties of spherical tungsten powder, 23:36115

MIKHALEVA, N. P. Influence of local irradiation of the heart region with hard bremsstrahlung with maximum energy 4.3-MeV on the enzyme activity of proteins of rabbit cardiac muscle and blood serum, 24:9761

MIKHALEVA, T. N. Excitation of analog states in system ^{39}K + p, 23:37152
Fluctuation analysis of excitation function for (p,p') and (p,α) reactions on ^{27}Al at a proton energy of 6.4 MeV, 22:11923
Investigation of inelastic proton scattering with excitation of the 5.15- and 5.24-Mev levels in ^{27}Al, 21:2685
Multidimensional analysis of nuclear reaction products by means of one detector, 25:23809
Resonances in excitation functions for scattering of protons on ^{27}Al at 6.5 MeV, 22:13983
Resonances in excitation functions for proton scattering on ^{23}Na at about 6.5 MeV energy, 22:42009

  Scintillation spectrometer with charged-particle discrimination, 21:1612
  Short-spacing measurements of excitation functions in a cyclotron, 21:44623
MIKHALEVSKY, V. I. Method and technique of surveying during photographing and visual observation in a field of high frequency currents, 25:31733 (SC-T-713025)
MIKHALKIN, V. S. Oxidation of tantalum in the oxygen plasma of a high-frequency discharge, 25:2632
  Tantalum oxidation in the high-frequency discharge oxygen plasma, 25:6834
MIKHALKINA, F. G. Fractional composition of serum proteins at long times after chronic exposure to ionizing radiation, 22:47452
MIKHALYAK, S. Optical radiation excited by nonrelativistic charged particles on the metal surface, 25:55813 (JINR-P4-5957)
MIKHALYUK, I. A. Trace element contents and natural radioactivity of foods in some districts of Kiev region, 25:57987
MIKHAN, V. I. Dual-purpose desalination plants, 22:14622
  Utilization of the Beloyarsk Atomic Power Station reactors for dual purpose desalination installations, 21:17465 (NP-16557)
MIKHATSKAYA, N. A. Effect of plasma concentration on electron temperature measurement, 22:24261
MIKHAYLIN, A. S. Procedure of reducing neutron—gamma logging diagrams to unit conditions, 24:306
MIKHAYLOV, M. New method for the quantitative determination of radioactive contamination of surfaces, 21:43375
MIKHAYLOV, M. G. Contamination of air with decay products of Rn in dwellings, 22:43342
MIKHAYLOV, N. N. Superconducting alloy, 25:19618
MIKHAYLOV, S. K. Rhenium coatings on refractory metals, 23:48377
MIKHAYLOVSKII, V. N. Telemetry of radioactive radiations, 22:12662 (AD-662764)
MIKHEENKOV, A. F. Gamma irradiation plant for radiation studies, 22:52070
MIKHEEV, G. F. Economics of isotope tracer applications in metallurgy, 21:27929
MIKHEEV, N. B. Generators of ^{90}Y and ^{140}La, 23:28910
  Process for separation of carrier free ^{85}Sr, 25:37443
  Radioactive colloidal solutions for betatherapy, 24:51000
  Yttrium-90 and ^{140}La-generators, 23:45333
MIKHEEV, N. I. Approximate method of calculation of charged-particle intensive curvilinear beams, 22:2796
  Heat resistance properties of W—Mo alloys, 22:685
MIKHEEV, N. V. Concerning (V + A) currents in weak interactions of elementary particles, 22:32111
  Search of (V + A) currents in experiments with high energy neutrinos, 24:42868
MIKHEEV, S. P. Efficiency of a spark chamber at the lower limit of ionization, 25:8557
MIKHEEV, V. A. Investigation of fractionation of a helium isotope mixture in unpacked columns, 21:25093
MIKHEEV, V. L. Collection of recoil atoms in nuclear reactions with heavy ions, 21:6362
  Effect of subshells with neutron number N = 152 upon the quantity GAMMA/sub n/ GAMMA/sub f/ in reactions with heavy ions, 22:46760 (ANL-Trans-636)
  Element 103 of periodic system, 22:29982 (JINR-P7-3766)
  Element 103 of periodic system, 22:45045
  Element 103 of the periodic system, 22:35830 (JINR-E7-3766)
  Element 103 of the periodic system, 24:18428
  Evidence for particle instability of ^{10}He, 25:23021 (JINR-E7-5492)
  Identification of charged particles by combination of magnetic analysis and ΔE, E method, 24:36563
  Influence of subshell N = 152 on magnitude of GAMMA/sub n//GAMMA/sub f/ in reactions with heavy ions, 22:18210 (JINR-D7-3548, pp 65-70)
  Isotopes ^{23}F, ^{24}F, ^{25}Ne, and ^{26}Ne, produced in nuclear reactions with heavy ions, 24:22189
  Neutron-rich isotopes of light elements produced in transfer reactions with heavy ions, 25:3648 (JINR-E7-5319)
  New isotope ^{242}Cf, 22:14060
  New isotopes ^{22}O, ^{20}N, and ^{18}C produced in transfer reactions with heavy ions, 24:5428
  Nuclear properties of isotopes ^{256}103 and ^{257}103, 22:5833
  Properties of isotope ^{256}102, 21:38299 (JINR-P7-3423)
  Properties of isotope ^{256}102, 22:24865
  Study of alpha-decay of 103^{256} and 103^{257}, 21:25506 (JINR-E7-3257)
  Study of reaction mechanism and production of new isotopes in transfer reactions with heavy ions, 24:49880
  Synthesis and investigation of properties of isotopes of transuranium elements, 22:18208 (JINR-D7-3548, pp 3-14)
  Synthesis and investigation of properties of isotopes of transuranium elements, 22:44678 (ANL-Trans-633)
  Synthesis of 102 isotopes with mass numbers 254, 253, and 252, 21:1074 (JINR-P-2839)
  Synthesis of einsteinium isotopes in reactions with nitrogen ions, 21:17364
  Synthesis of element 102 isotopes with mass numbers 256 and 255 in reactions induced by O ions, 21:10001 (JINR-P7-3059)
  Synthesis of Fm isotopes with mass numbers 247 and 246, 21:10000 (JINR-P7-3022)
  Synthesis of Fm isotopes with mass numbers 247 and 246, 21:38353
  Synthesis of isotopes of element 102 with mass numbers 254, 253, and 252, 21:30017
  Synthesis of the isotopes of the element 102 in reactions with mass numbers with oxygen ions, 21:34003
MIKHEEV, V. P. Filtering of tracks measured on the SMP, 25:42135 (CERN-Trans-71-8)
  Measuring devices for processing photographs of bubble chambers (review), 25:8554
  Scanning and measuring projector for bubble chamber track measurement, 21:19918
  Track density measuring with the help of scanning and measuring projector, 21:19919
MIKHEEV, V. S. Influence of beta-stabilizers on the strength and plasticity of titanium at low temperatures, 25:29844
  Investigation of mechanical properties of new titanium alloys at low temperatures, 25:22084
  Investigation of part of Ti—Ta—V phase diagram, 24:21386
  Mechanical properties of Ti—Mo—Ni alloys, 25:16456
  Strength and plasticity of Ti—Nb—Zr alloys at -196 and +20°C, 25:19206
  Study of mechanical properties of new titanium alloys at low temperatures, 24:46733
  Study of phase equilibria in the titanium—tantalum—molybdenum system in the titanium corner, 25:55565
MIKHEEVA, E. G. Effect of x irradiation on intraocular tension and permeability of ocular vessels, 23:783
MIKHEEVA, M. N. Critical fields of thin superconducting films, 22:50115
  Superconducting properties and structure of tin films, 24:21714
  Superconducting properties of aluminum films, 21:11566
  Superconducting properties of rhenium, 21:25094
MIKHEEVA, V. I. Fusibility diagrams of LiH—EuH$_2$ and LiH—CeH$_2$ systems, 24:14952
  Fusion diagram of the LiH—EuH$_2$ and the LiH—CeH$_2$ systems, 24:14936
MIKHEIKIN, I. D. EPR studies of stable hydrogen atoms on γ-irradiated clinoptilolites containing La, Mg, and K ions, 25:2224
  EPR study on stable H atoms on γ-irradiated clinoptilolites containing La, Mg, and K ions, 25:18423
MIKHEL, P. Probe diagnostics of a plasma at medium pressures, 23:51618
MIKHELASHVILI, T. Ya. Three-body problem in the oscillator basis, 25:53865
MIKHEL'SON, G. G. Determination of selenium in biological materials by neutron activation analysis using 8-mercaptoquinoline, 23:49759
  Neutron activation analysis of selenium in biological samples, 23:2758
MIKHEL'SON, V. M. Absence of postirradiation radiosensitizing O effect in bacteria, 21:22805
  Chromosome aberrations in human lymphocytes irradiated in vitro, 23:35693
  Effects of irradiation on chromosomal aberrations in human lymphocytes, 23:45708
  Oxygen after effects on irradiation of bean sprouts, 22:25810
  Recovery of chromosomes following ionizing radiation, 25:57970
MIKHINA, V. N. Electrochemical refining of commercial niobium in chloride salt melts, 22:52153
  Obtaining metallic Nb from Ni—Si alloys by electrolysis, 24:36883
MIKHLIN, E. B. Determination of the distribution constants of trivalent cerium in extraction by neutral alkyl phosphonates, 25:18516
  Distribution of Gd, Tb, Dy, Ho, and Y in a tributyl phosphate—nitric acid system, 21:42945
MIKHLIN, E. Ya. Capture of gas atoms dissolved in a solid by a moving gas bubble, 23:25452
  Nature of changes in implanted-ion concentration near surface, 25:40779
  Radiation annealing of Seeger's depletion zone, 21:46415
  Radiation-induced origin and growth of clusters of interstitial atoms, 24:12883
MIKHNEVICH, V. I. Production of zirconium dioxide from baddeleyite concentrate, 25:42942
MIKHNEVICH, V. V. Studies of atmosphere and ionosphere at times of unusual solar activity, 25:58893
MIKHUL, A. Application of phenomenological quasi-two-body model to π^-p-interactions with strange particle production at p = 4 GeV/c, 25:30869 (JINR-P1-5706)
  Determination of direction of neutral high-energy particle beam JINR synchrophasotron, 21:3244 (JINR-P-2916)
  Inelastic π^-p-interactions at 7.5 GeV. Four-prong events with protons, 21:25240
  Inelastic π^-p-interactions at 7.5 GeV. Four-prong events with neutrons, 21:33614
  Inelastic π^-p-interactions at energy 7.5 GeV. Four-prong events with neutrons, 21:7461 (JINR-P1-2963)
  Production of resonances in reactions $\pi^-p \to \pi^+\pi^-\Lambda^0K^0$ and $\pi^-p \to K^+\pi^-\Lambda^0\pi^0$ at 4.0 GeV/c, 24:3545
  Quasi two-particle reactions in 4.0 GeV/c π^-p interactions with strange particles involved, 23:1593 (JINR-P1-4049)
  Quasi-two-particle reactions with production of strange particles in π^-p interactions at 4.0 GeV/c, 23:27749
MIKHUL, E. Particle decays in theory with noncompact groups, 21:4069 (JINR-P2-2957)
MIKHUL, V. Meson generation by mesons and double-recharge of π mesons in photoemulsion nuclei at energies from 210 to 375 MeV, 22:48228 (JINR-P1-3947)
  Meson production of mesons and double charge exchange of π^- mesons on emulsion nuclei from 210 up to 375 MeV, 23:25527
MIKI, Eiichi Cation-exchange separation of nitrosylruthenium(III) from Ru(III and IV), 24:29356
  Infrared spectra of pentacyanonitrosylmanganese (^{14}NO and ^{15}NO) complexes, 25:41796
MIKI, Hirohumi Thermal expansion in Na(H/sub 1-x/D/sub x/)$_3$(SeO$_3$)$_2$ and isotope effect, 24:33675
MIKI, I. Radiation clearance of bone, 21:24343
MIKI, Makoto Study of renoscintigram, 23:45798
MIKI, Masamichi Aging characteristics of Cu—30 percent Ni—Be—Al alloys, 24:42128
  Aging characteristics of Cu—30 percent Ni—Be—Ti alloys, 25:27232
MIKI, Masanobu Stress-birefringence effect in crosslinked polyesters. III, 23:26292
  Stress-birefringence effect in crosslinked polyesters. II, 23:26291
MIKI, Mutsuo Effect of γ irradiation on embryo in silkworm. I, 25:46956
MIKI, R. Program and the present status of fast breeder reactor development in Japan, 25:54043 (A/CONF.49/P-819)
MIKI, Ryohei Design of prototype fast breeder reactor, 23:40323
  Development of major components for FBR, 25:18115
  Outline of preliminary design of Japanese prototype fast breeder reactor, 24:11162
MIKI, Ryota (γ,γ') and (γ,n) activation, 24:38787
  (γ,n) activation analysis of several elements, 23:35049
  Activation analysis (γ,n) of human blood, 22:42642
  Activation analysis (γ,n) of poly (vinyl chloride) sheet, 22:42640
  Nondestructive photoactivation analysis of Cd, Ba, and Pb in PVC sheets, 24:31275
  Photoactivation analysis of PVC sheets, 23:26204
  Radiation hazard control system, 25:42480
  Spatial dependence of the bremsstrahlung characteristics of Linac, 24:33074
MIKIC, B. B. Bubble growth rates, 24:36486
  Thermal contact conductance, 23:26448
MIKIC, R. Analysis of radioisotope thickness gauge as a regulation system subassembly, 24:41705
MIKIJEIJ, V. Ceramic fuel elements with special reference to their production by vibratory compaction, 22:28891
MIKIJELJ, V. D. Isothermic differential thermal analysis of UO$_2$ oxidation, 22:31475
MIKIJELJ, Vojin Use of the vibrational compaction in the production of ceramic fuel elements, 22:8809
MIKIROV, A. E. Evaluation of structure of solar corona, 24:30095
MIKITISHIN, S. I. Combined effects of active liquid mediums and γ radiation on the durability of poly(methyl methacrylate), 24:2250
  Effects of reactor irradiation on time—temperature dependence of the strength of polymerides, 22:33390
  Effects of x radiation on the strength stability of polymethyl methacrylate, 21:25882
  Strength of irradiated polymethyl methacrylate, 23:309
  Strength of polymers in the process of irradiation, 25:21002
  Studies of irradiated polymethyl methacrylate absorption coefficient, 22:33397
MIKITYUK, A. O. Strength of polymers in the process of irradiation, 25:21002
MIKKE, K. Coexistence of the commensurate and oscillatory magnetic phases in chromium alloys, 23:20982 (RISO-M-811)
  Fixed-scattering-angle spectrometer for neutron-diffraction studies of powdered samples, 22:14822 (RISO-164)
  Slow-neutron wavelength distribution, 24:21010
MIKKELEIT, W. Spectrochemical analysis of H$_2$O—D$_2$O mixtures by means of band spectra, 21:27898 (NP-tr-1309, pp 21-8)
MIKKELSEN, A. Concrete—polymer materials. I, 24:14994 (RISO-M-986)
MIKKELSEN, Ib Steen Prog. rpt. on ionospheric research using satellites, 9/66—8/67, 22:52618 (AD-663753)
MIKKELSEN, J. Influence of scattering interference on resonance absorption in ^{238}U and ^{232}Th, 23:40078
MIKKELSEN, Joern Calculation of resonance integral of ^{232}Th and summary of experimental results, 24:8890 (RISO-M-966)
  Effective resonance integral of ^{238}U, 23:28622 (RISO-M-865)
  Resonance absorption of neutrons of intermediate energy, 24:26653
  The neutron resonance reactions in thermal nuclear reactors determined by semi-analytic as well as numerical methods, 25:37115 (RISO-234)
  User's guide to the RESAB program system, 25:48330 (RISO-M-1378)
MIKKELSEN, Lena Dental lesions caused by irradiation, 24:42008
MIKKELSEN, R. L. Cesium-137 concentrations in Eskimos, Spring 1968, 24:34234
MIKKELSEN, Richard L. Cesium-137 concentrations in Alaskans, 23:31781
MIKKOLA, D. E. Annealing of cold worked fcc metals and alloys, annual, 9/1/66—9/1/67, 21:45930 (COO-1431-3)
  Prog. rpt. on effect of annealing on the substructure of cold worked fcc metals and alloys, annual, 9/1/67—9/1/68, 22:52199 (COO-1431-4)
  Prog. rpt. on effect of annealing on structure of cold worked fcc metals and alloys, 9/1/68—9/11/69, 23:51063 (COO-1431-7)
  Prog. rpt. on effect of annealing on substructure of cold worked metals and alloys, 24:53034 (COO-1431-9)
  Size distributions of antiphase domains in Cu$_3$Au, 25:3941 (COO-1431-10)
MIKLASHEVSKII, V. E. Higher nervous activity in adult animals subjected anenatally to the action of ionizing radiation. III, 21:34804
MIKLAVZIC, U. Tables of total absorption cross sections for photons of energy between 10 and 30 MeV in Be, C, N$_2$H$_4$, H$_2$O, HF, Si and Ca, 24:40556 (IJS-572)
MIKLER, J. Separation of rare-earth metals by ion exchange. III, 21:154
MIKLISHANSKII, A. Z. Determination of Dy, Eu, Sm, and Gd in Y$_2$O$_3$ by activation analysis, 22:40032
  Luminescent determination of Gd, Eu, and Sm in metallic U, 23:37889
  Neutron activation analysis of rare earth impurities in U, 24:16460

Neutron activation analysis of rare earth impurities in europium oxide, 24:16461
Studies of sorption of rare-earth elements and uranium on phosphorus containing resin cations, 22:42625
MIKLOS, K. Simple installation for the measurement of low-energy beta radiation, 21:39435
Special properties of Geiger—Mueller counter tubes, 21:14456
Strontium-90 content of human bones, 22:38269
MIKLOS, Katalin Measurement of the ^{90}Sr content of human bone samples, 22:38291
Personal film dosimetric determinators, 24:34327
MIKLOSSY, K. Plasma technology, 23:46449
MIKLOSZ, John C. Jr. Critical current characteristics of superconducting thin film particle detectors, 23:24419 (AD-679027)
MIKOLAJCZYK, Maria Qualities of Escherichia coli mutant with thermosensitive DNA synthesis and host cell reactivation of uv-irradiated lambda phages in this mutant, 25:37905
MIKOLAJEK, Ewa Complexometric determination of calcium in drugs with the aid of radioactive silver as indicator, 22:42637
MIKOLAJKOW, A. Double-detector scinticamera for visualization of cold nodules in bulky organs, 25:57763
Technetium-99m scanning of the stomach, 25:8723
MIKOLEIT, L. A. Calorimetric radiation heating rate measurements in a critical assembly and comparison to diffusion theory calculations, 22:33082
Calorimetric radiation heating rate measurements in critical assembly, 23:2129 (WAPD-T-2111)
MIKOS, M. Plasma furnace with laminar plasma generator, 24:29417 (INR-1171)
MIKOSHIBA, N. Fluctuations in resistive transition in Al films. I, 24:40026
Nonlinear electrical conductivity of superconducting Al films, 25:45406
Nonlinear excess conductivity in superconducting aluminum films above the transition temperature, 25:5040
Ultrasonic attenuation in the mixed state of superconducting vanadium, 23:8558
MIKOSHIBA, Nobuo Nonlinear electrical conductivity of superconducting films below the transition temperature, 25:36024
MIKOSHIBA, O. Analyses of proton—^{12}C scattering between 4.8 and 8 MeV, 25:53639
Depolarization in elastic scattering of 1.36-MeV polarized neutrons, 25:53708
Low-lying states of ^{9}Be studies by ^{7}Li(^{3}He,p)^{9}Be reaction, 22:26868
Nature of the K = 2 states in even deformed nuclei, 22:42059
Scattering of nucleons by ^{12}C and structures of ^{13}N and ^{13}C, 25:38903
MIKOSHIBA, Osamu Band mixing of rotational and the K = 0^{+} excited levels in deformed even nuclei, 22:20741
Coupled channel calculation for the elastic proton scattering by ^{12}C, 24:20320 (JAERI-1184, pp 49-51)
Gamma-vibrational states of deformed even nuclei populated in (d,p) reaction, 22:3726
K = 0^{+} excited levels in deformed nuclei and their rotational coupling, 21:38339
K = O^{+} excited levels in deformed nuclei, 22:48580 (JAERI-1158, pp 106-12)
Manual for JUPITOR-1 (Supplement), 25:20479 (JAERI-Memo-4138)
Spectroscopic study of γ vibration in deformed even nuclei populated in the (d,p) reaction, 22:20647
MIKOSHIBA, S. Production of a single pulsed plasma, 21:44114
Two coil rf determination of plasma conductivity, 23:42250
MIKRYUKOVA, I. N. Currents in channels of conductive liquid-metal MHD machine with partitions, 25:40428
MIKSCHE, J. P. Relative sensitivity of the soaked seeds of nine gymnosperm species to gamma radiation, 25:605
Use of nuclear variables to investigate radiosensitivity of gymnosperm seed, 22:45725
MIKSCHE, Jerome P. Response of white spruce (Picea glauca (Moench) Voss) shoot apices to exposures of chronic gamma radiation, 25:603
MIKSHEVICH, N. V. Freeze drying of radioactive hydroxides, 23:11622
MIKSOVSKY, M. Determination of strontium in silicates, carbonates, and sulfates by atomic absorption spectroscopy, 25:41735
MIKU, L. Scalar meson widths, 22:22368 (JINR-E2-3730)
MIKU, M. Recursion relation for the 3-j symbols, 22:13782 (JINR-E2-3625)
MIKULA, Ivan Changes of drug resistance of coliform fecal microflora in pigs after total-body x-irradiation, 22:43489
MIKULA, James J. Deuterium isotope effects on the luminescence of terbium and europium chelates, 22:18764
MIKULA, James Julius Deuterium isotope effects on the spectroscopic properties of Tb and Eu dibenzoylmethide chelates, 23:6135
MIKULA, P. Single-crystal filters of thermal neutrons, 25:20238 (UJV-2488-F)
Time modulation of a neutron beam diffracted on single quartz crystal, 23:28216
MIKULAJ, V. Laboratory irradiation source for radiation chemical research, 21:28040
Preparation and cosublimation of cyclopentadienyl derivatives of promethium and actinium, 23:31329
MIKULASEK, Z. Distribution of Wolf—Rayet stars in the galaxy, 23:46166
MIKULIN, A. I. Solution of boundary-value problem for electron current in crossed fields, 25:58688
MIKULINSKY, M. A. WKB calculation of the nuclear isotope shift, 21:4350
MIKULSKI, A. T. Computer program for elaboration of ^{144}Nd measurements, 25:23531 (INR-1195)
Conditional probability methods in reactor noise analysis, 23:2108
Dead time-α (first moment) method, 23:5755
Neutron diffusion parameter measurements in graphite of ANNA reactor, 22:25087 (INR-P-853/IXA/PR)
Neutron slowing-down parameters, 23:49671
Relation between stable reactor period and prompt neutron time constant in "Anna" reactor, 22:10058 (INR-P-815/IX/R)
MIKULSKI, Andrzej Detection of low-energy β-radiation in the presence of γ-radiation, 21:28379
Exchange of tritium in normal and inflammatory tissues, 21:34615
Material buckling in Helena natural U—graphite subcritical assembly, 22:48745
MIKULSKI, Andrzej T. Application of probability distribution of neutron counts, 23:49670
Noise measurements in ANNA reactor, 22:42381
P-zero condition in Rossi—α experiment, 22:26776
Reactor noise experiments, 23:49672
MIKULSKI, Andrzej Tadeusz Measurements of neutron diffusion parameters in graphite of ANNA reactor, 22:30323
Relation between stable reactor period and prompt neutron time constant in ANNA reactor, 22:30328
MIKULSKI, C. M. New complexes of triphenylphosphine oxide with metal perchlorates, 24:41258
MIKULSKI, J. Application of ^{239}Pu electrode for determination of interfacial electric potentials, 21:40831
Application of ^{239}Pu electrode for determination of solvation energy of uranyl salts in aqueous and butylphosphate systems, 22:23010
Extraction of hexavalent U from nitric acid solutions by tetrabutylpyrophosphate (TBPP), 21:10432
Influence of interfacial tension on partition coefficient of U in system: diluent + TBPP/ 1 M HNO_3, 21:1416 (INP-490/C)
Separation of /sup 99m/Tc and ^{99}Mo by extraction method in TBHP—TBPF—HCl system, 23:370
Separation of transition elements and actinides by means of anionite AV-17, 25:34695 (ORNL-tr-2397)
Some remarks on the methodics of applying a radioactive source for measuring the interfacial potential, 21:40830
Studies of extraction of metal ions using radioactive nuclides. XII, 21:15986
MIKULSKI, Jan Static and dynamic extraction of metals in systems tetrabutylhypophosphate—tetrabutylpyrophosphate (1:1) and tetrabutylpyrophosphate/mineral acids, 22:27853 (INP-591/C)
MIKUL'SKI, Ya. Rapid method for isolation of rare earth and transplutonium elements from uranium targets irradiated by heavy ions, 24:44034
MIKUMO, Eiko Observation of primary electrons with emulsion chamber, 25:30328
MIKUMO, T. Alpha-particle angular distributions from reaction ^{13}C(^{3}He,α)^{12}C, 22:26901
Excitation functions for the formation of ^{7}Be in ^{3}He particle induced reactions on C, N, O, F, Mg, Al, and Si, 21:5520
Lamb-shift polarized ion source, 25:53471
Tensor and vector polarization in 22-MeV deuteron scattering on protons, 21:21422
MIKUMO, Takashi Reaction ^{15}N(p,α)^{12}C in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
MIKUNI, Akira Nuclear spin—spin effect in total cross section for 1-MeV polarized neutrons on polarized ^{59}Co nuclei, 23:49354 (ISSP-A-371)
Spin—spin interaction of 7.90-MeV polarized neutrons with polarized ^{59}Co nuclei, 23:25888
MIKUNI, Hitoshi Kinetic study of pyrolysis of toluene-d_8, 21:35968
MIKURIYA, Shuichi Direct exposure irradiation, 24:29825
MIKUS, E. B. Brazing alloys and techniques for tantalum honeycomb structures, 21:39628
Recrystallization behavior and brazing of the TZM Mo alloy, 21:36818
Refractory alloy coatings for short-time ultra-high temperatures, 21:9062
MILACEK, L. H. Determination of optimum diffusion welding temperatures for Ti—6Al—4V, 24:29966
MILACEK, Leonard Proton radiation induced blistering of aluminum, 22:4846
MILACEK, Leonard H. Orientation dependence of pitting and blistering in proton-irradiated aluminum crystals, 23:3565
Proton-radiation-induced blistering of aluminum, 22:29576
MILAKOFSKY, L. Solvolysis rates and deuterium isotope effects in 2,2,2,-trifluoroethanol—water mixtures, 23:40644
MILANESI, R. Uses of computer in radiotherapy. III, 25:55218
MILANESI, Renato Computer in radiotherapy. I, 24:48551
MILANI, A. Heat transfer crisis with steam-water mixtures in round conduits, 22:40304 (EUR-3920)
MILANI, C. Radiative nucleon capture from deuterons, 24:15973
MILANI, F. Analysis of radiologically treated cases of cancer of the oral floor, 24:23280
Beta therapy in the management of skin angioma, 24:6092
Clinical experiences in antineoplastic treatment with telecobalt therapy, 25:13546
Clinico-statistical survey on radiocobalt teletherapy of 139 bladder neoplasms, 24:34537
Statistical and clinical evaluation of radiotherapy of carcinoma of motile tongue between 1947 and 1964, 25:24290
MILANI, Franco Clinicostatistical consideration on the treatment of 78 esophageal cancers by telecobalt therapy, 23:862
MILANI, O. Electrocardiographic studies of patients irradiated on thorax with 42-MeV betatron, 25:21798
MILANI, R. Genetics of factors affecting fertility and of sex-ratio distortions in the house fly, 25:29751
MILANI, S. Evaluation of ETA for ^{233}U, 23:4004 (WAPD-TM-772)
Evaluation of eta for ^{233}U at 0.025 eV using RECAP 4C Monte Carlo program, 22:32590
Measured natural neutron source in $^{233}UO_2$—ZrO_2 and $^{233}UO_2$—ThO_2, 21:27506 (WAPD-TM-601)
Measured natural neutron source in $^{233}UO_2$—ZrO_2 and $^{233}UO_2$—ThO_2, 21:38238
Relative reaction rates in seed-blanket slab assemblies with H-to-Th ratios of 0.51, 1.55, and 5.1, 21:17533 (WAPD-TM-615)
Small ^{233}U fueled seed-and-blanket critical experiments, 22:14262 (WAPD-TM-614)
Thermal disadvantage factors and fast advantage factors in U—Th, seed-blanket assemblies, 21:44877
Uranium-233—Th seed-blanket critical experiments, 22:6103
MILANOVIC, J. Conversion ratios for M1 + E2 transitions, 25:20473
Penetration parameter for M1 conversion and E2 admixtures for 77 and 191 keV transitions in ^{197}Au, 25:36789
MILANOVIC, J. V. Summing effect correction of correlation coefficients, 23:21959
MILANOW, S. Effect of tracer ^{32}P doses on male gonads, 24:34691
MILANT'EV, V. P. Hydromagnetic equations of rarefied plasma, 25:45479
Viscosity of a collisionless plasma in a magnetic field, 23:20915
MILANTIEV, V. P. Stability of a rotating plasma, 23:23168 (RISO-187)
Viscosity and heat conductivity of collisionless plasma in magnetic field, 22:50149 (RISO-175)
MILASIN, N. Contribution to the study of the influence of irradiation by neutrons on slip deformation mechanisms in polycrystalline iron, 22:28873
Determination of the role of in-pile radiation on the mechanism of plastic deformation of extra-soft steel by measuring the volume of activation, 21:11269
MILASIN, N. Lj. Carbon concentration produced by fast-neutron irradiation of Fe—C alloys, 25:49492
Correlation between the mechanical properties and microstructure of irradiated iron and low-carbon steel, 25:42925
MILASIN, Nada Plastic deformation in unirradiated and irradiated low-carbon steel, 22:7025
Secondary hardening in α-iron and in ferritic steels, 24:14862
MILASZEWSKI, Edward Plastic concrete in nuclear power plants, 23:9137
MILAU, J. Production test irradiation of 30,000 pounds of bacon, 21:208 (BNL-10652)
MILAU, J. S. Failure of ^{60}Co radiation sources, 22:28009 (BNL-50099)
MILAU, Julius S. Irradiation of 30,000 pounds of bacon, 23:26981
MILAVC, Z. Enamel coated CaF_2:Mn thermoluminescent dosimeter and reading instrument, 21:34495
Measurement of density and moisture-content of building materials, 23:47866 (NIJS-P-244)
MILAZZO, M. Electrostatic generator of the 8 MeV Van de Graaff, 24:18326
Project of 8 MeV Tandem van de Graaff. II, 24:43075 (CISE-N-136)
Project of a 8-MeV tandem Van de Graaff. I, 24:10866 (CISE-N-130)
Stabilization system of the CISE 8 MeV tandem Van de Graaff, 24:35777
MILAZZO-COLLI, L. Comparison between values of nuclear level density parameter at approximately 8- and approximately 20-MeV excitation energies, 22:27274
Nuclear level density at 20 MeV excitation energy, 22:30101
Pre-equilibrium emission in n,p and n,α reactions of CsI, 25:59826
MILBERG, Z. P. Physicochemical and dielectric properties of glasses and glass crystalline materials in niobate systems, 23:51101
MILBOURN, G. M. Effect of lime and cultivation on ^{90}Sr in herbage, 22:51404
MILBURN, Richard H. Laser induced Compton back-scattered photon beam at the CEA, 23:28202
Laser-induced polarized photon beam at Cambridge Electron Accelerator, 23:21181 (CEAL-1046)
Phase—space limitations to clashing-beam luminosities, 22:32354 (CEAL-2000, pp A158-9)
MILBURN, Ronald M. Oxygen exchange between tris(oxalato) rhodate(III) ion and solvent water, 22:37731
MILCAMPS, J. Orsay linear accelerator. V, 23:52091
Problems of pumping and the solutions adopted for new linear particle accelerators, 21:9889
Results on some European linear accelerators, 21:11863 (LA-3609, pp 439-48)
MILCH, Alfred Refractory ceramic-to-metal seal, 21:20510
MILCH, R. Measurement of D_2O in plasma water by freezing point elevation, falling drop, infra-red absorption, and gas chromatography, 21:21871
MILCRAMP, J. Central axis maximum buildup point for high-energy photon beams, 25:17661
MILCU, Ileana Photodynamic action of proflavine on a few proteins, 24:48416
MILDE, H. Transients in large tandem accelerators, 25:50278
MILDENBERGER, Otto Effect of component tolerances on the transfer characteristics in the frequency range, 25:10377 (SC-T-70-4048)
MILDER, D. Michael Stability of collisionless gravitating systems, 23:30222
MILDER, Nelson L. Analysis of electron analog simulation of ion containment in magnetic fields, 23:42288 (N-69-25394)

- Effects of monoenergetic electrons in a steady-state, low-pressure plasma, 25:40614 (N-71-17824)
- MILDRUM, H. Magnetic aftereffect and aging of $\mathrm{Sm(Co,Cu,Fe)_5}$ alloys, 25:1309 (CONF-700403-(Vol.1), pp 21-33)
  - Microstructure and magnetic aftereffect in bulk-hardened rare earth—cobalt—copper base permanent magnet alloys, 25:47645
- MILE, B. Electron spin resonance spectrum of O_2^- radical ion trapped in non-ionic matrices at 77°K, 23:17491
- MILEA, T. Thymus tissue fractions in radiation sickness in mice, 21:4824
  - Total thymus extract in the treatment of radiation sickness in mice, 21:4840
- MILEDI, R. Autoradiography of labeled amino acids in giant squid synpase, 25:4418
  - Strontium as a substitute for calcium in the process of transmitter release at the neuromuscular junction, 21:6418
- MILENIN, V. M. Concerning the change in electron energy distribution in moving striations, 23:18631
  - Determination of electron energy distribution in plasma in presence of oscillations, 24:10513
  - Energy distribution of electrons in the positive column of an argon discharge, 21:23171
  - Langmuir paradox, 23:18602
  - Measurement of electron energy distributions in the presence of oscillations, 24:45224
  - Measurement of the electron energy distribution function in a noisy plasma, 21:29216
  - Measuring electron energy distribution in time-varying plasmas, 23:42248
- MILENKO, Yu. Ya. Dielectric constant measurement of hydrogen isotopes in the liquid phase, 25:51463
- MILENKOVIC, S. Reaction models for the annealing of recoil atoms in solids, 25:37449
- MILENKOVIC, S. M. Chemical effects of radiative thermal neutron capture. XV, 22:33396
  - ESR measurements of irradiated anion-doped K_2CrO_4, 24:19022
  - Recoil processes of ^{51}Cr in K_2CrO_4 mixed with alkali halides, 22:25398
- MILER, I. Protective effect of endotoxin in x-irradiated mice, 21:8871
- MILER, L. E. Surface heat transfer in rapid transients, 23:4376
- MILES, A. C. Nuclear installations, 24:9856
  - Organization of nuclear third party liability transit insurance, 24:22944
- MILES, B. M. Atomic transition probabilities, 24:6348 (NSRDS-NBS-22(Vol.2))
  - Critical evaluation of transition probabilities for Ba I and Ba II, 24:4992
- MILES, C. C. Impurities in EBR-II Na and cover-gas, 23:47192 (ANL-7520(Pt.1), pp 222-6)
  - Sodium sampling and analytical experience at EBR-II, 23:47191 (ANL-7520(Pt.1), pp 213-21)
- MILES, D. W. Polycythemia vera and myelosclerosis, 23:29849
  - Radioimmunoassay for urinary albumin using a single antibody, 24:50978
- MILES, F. W. Hazards evaluation for the fluidized-bed volatility pilot plant, 22:33487 (ORNL-TM-2092)
  - Ion-exchange-resin system failures in processing actinides, 22:42830
  - Molten-salt fluoride volatility pilot plant: recovery of enriched uranium from aluminum-clad fuel elements, 25:34693 (ORNL-4574)
  - Plutonium-related safety aspects in designing fluidized-bed volatility pilot plant, 21:10420 (ORNL-TM-1593)
  - Urban nuclear energy center study: estimates of process steam consumption by manufacturing industries in US, 1980, 24:9551 (ORNL-HUD-2)
- MILES, Frank B. Retention of configuration in the solvolysis of 2,3-dideuterio-7-norbornyl p-bromobenzenesulfonate, 21:23870
- MILES, G. L. Five year program for radioisotope production, 21:27991 (AAEC/TM-360)
  - Hydrological applications of radioisotopes in Australia, 21:14320
  - Hydrological applications of radioisotopes in Australia, 22:30713
- MILES, J. Post-irradiation examination of 5 w/o PuO_2—UO_2 fuels, 21:1956 (CONF-660606-53)
  - Postirradiation examination of 20 wt. percent PuO_2—UO_2 fuels, 21:8155
- MILES, J. F. Irradiation testing of UO_2—PuO_2 fuels, 21:33015
  - Postirradiation examination of 20 wt. percent PuO_2—UO_2, 23:36278
- MILES, J. G. Design and testing of Type B packaging for small multi-purpose isotope transport containers, 23:50086 (AAEC/TM-510)
- MILES, J. H. Extraction of uranium and other inorganic materials from sea water, 22:47249 (AERE-R-5500(Vol.2), pp 387-98)
  - Rate of reaction of nitrous acid with hydrazine and sulfamic acid, 22:40061
  - Role of nitrous acid in reduction of Pu(IV) by U(IV) in TBP systems, 22:16682
  - Some properties of mineral acid solutions in tri-n-butyl phosphate as functions of water concentration, 22:154
- MILES, J. K. Spectral reflectance of thermal control coatings irradiated in vacuo, 23:3167
  - Spectrographic studies of luminescence in charged-particle-irradiated optical materials, 23:42394 (N-69-22194)
- MILES, J. L. Solid-state anodization of Al, Be, and Zr, 25:29803
- MILES, J. R. Behaviour of model concrete structures under temperature loading, 23:11206
- MILES, J. R. N. Classical scattering theory: elastic collisions, 24:21593
- MILES, John R. N. Classical inelastic collision cross sections for loaded spheres, 24:23815
- MILES, Joseph C. Mass spectrometric investigation of thermal stability and vaporization of LaPo, NdPo, GdPo, and DyPo, 25:6865
- MILES, L. E. M. Immunoradiometric assay procedures, 24:29664
  - Use of labelled antibodies in the assay of polypeptide hormones, 24:44396
- MILES, Laughton E. M. Sensitive new immunoassay for calcitonin employing labeled antibody, 25:23944
- MILES, M. E. Disposal of radioactive wastes, 24:2668
  - Disposal of radioactive wastes from US Naval nuclear-powered ships and their support facilities, 22:28457
  - Disposal of radioactive wastes from naval nuclear-powered ships, 23:31744
  - Disposal of radioactive wastes from U. S. naval nuclear-powered ships and their support facilities, 1969, 25:13444
  - Environmental monitoring and disposal of radioactive wastes from U. S. Naval nuclear-powered ships and their support facilities, 1970, 25:46836
- MILES, Melvin H. Deuterium oxide solvent isotope effects on fast reactions of substituted malonic acids, 21:3060
- MILES, T. D. Flame-retardant textiles produced by an ionizing radiation cure, 23:28878
- MILES, W. Realistic QTDA calculations in odd-mass N = 82 isotones, 25:12616
  - Tamm—Dancoff calculations on the odd-mass N = 82 isotones, 24:52615
  - Unified-model calculations for odd-mass Cs and La isotopes, 23:23714
- MILES, W. J. Photosensitivity in man and animals, 22:51877
- MILESHIN, V. A. Scanning measuring table, 21:19920
- MILET, C. Investigations of uranium—plutonium—titanium—carbon compounds, 21:32991
  - Study of Pu-based alloys carried out at Fontenay-aux-Roses, 21:32876
- MILET, Claude Studies of U—Pu—C—Ti compounds, 21:28826 (CEA-R-3201)
  - Study of U—Pu—C—M carbides, 25:721 (CEA-CONF-1632)
- MILET, Claude Andre Contribution to study of U—Ti and U—Pu—Ti carbides, 23:17392 (CEA-R-3656)
- MILETIC, Branimir Effect of nucleic acid precursors and of their analogs on the induction from provirus to virus by irradiation, 21:39348
- MILETICH, D. J. Alteration of postirradiation hypotension and incapacitation in the monkey by administration of vasopressor drugs, 25:16299 (AD-702723)
  - Alteration of postirradiation hypotension and incapacitation in the monkey by administration of vasopressor drugs, 25:37831
  - Effect of sympathomimetric amines on radiation-induced tolerance to pentobarbital in rat, 24:36808 (AD-702721)
- MILETICH, David J. Effect of sympathomimetic amines on radiation-induced tolerance to pentobarbital in the rat, 24:48701
- MILEWSKI, J. Effect of magnetic Reynolds number in induction striated-flow MHD generator, 22:13291
  - Induction alternating current MHD generators, 23:14665
- MILEWSKI, Jerzy Analysis of certain problems pertaining to operation of dc MHD generator, 21:31282 (AD-804130)
  - Investigations of the striated plasma flow, 24:21783
  - Synchronous magnetogasdynamic induction generator of modulated conductivity, 22:15391
- MILEY, Delmar V. Tensile properties of gamma quenched and aged uranium-rich niobium alloys, 21:31003 (RFP-933)
  - Tensile properties of gamma quenched and aged uranium-base niobium alloys, 22:34053
- MILEY, Franklin Evaluation of ternary eutectic fluoride as an extinguishing agent for plutonium fires, 23:15832 (LA-3967)
- MILEY, G. H. Calculated and measured atomic metastable densities in noble-gas plasmas induced by nuclear radiations, 25:40620
  - Calculation of Doppler coefficients, 24:28999
  - Comparison of calculated and experimental space—time-dependent kinetics, 22:33051
  - Determination of the dynamic coupling coefficient, 23:4438
  - Direct energy conversion studies with emphasis on those involving nuclear radiation, 23:42011 (CONF-670846-, pp 171-207)
  - Effect of nuclear radiation on operating characteristics of a CO_2 laser, 25:39790
  - Enhancement of CO_2 laser power and efficiency by neutron irradiation, 25:42229
  - High voltage gamma—electric cell operation, 22:43959
  - High-voltage gamma-electric-cell operation, 21:6152
  - Measurement of atomic metastable densities in a plasma created by nuclear radiations, 24:32829
  - Optical emission from noble-gas plasmas created by alpha particles, 25:40627
  - Optimized dual perturbation technique, 23:47309 (CNM-R-2(Vol.2), pp 1121-35)
  - Period effect in reactor kinetics, 21:8078
  - Problems in neutron slowing by inelastic scattering, 21:7667
  - Reactor neutron pulse propagation in multiplying media, 22:32994
  - Short-interval series pulsing-experimental studies and numerical experiments, 25:10282
  - Studies of a low-voltage arc laser, 22:30907
  - Temperature formulation of the space-averaged reactor kinetics equations, 25:20829
  - Verification of space—time reactor-kinetics analysis, 24:29081
- MILEY, G. K. Angular measurements of structure of 3C 446 and other quasars with high redshifts, 22:7095
  - Detection of radio emission from Cygnus X-1, 25:47241
  - Fine-scale structure of Virgo A, 24:12603
  - Interferometric observations with a baseline of 127 km. I, 24:15077
  - Interferometric observations with baseline of 127 kilometers. II, 25:35709
  - Positions of unidentified radio sources, 25:24754
  - Radio emission from quasi-stellar objects, 25:22292
  - Radio emission from Scorpius X-1 at 21.2 cm, 25:47259
  - Radio structures of seventy-nine quasi-stellar objects, 25:19350
  - Small radio component in the planetary nebula NGC 7027, 24:44885
  - Structure of 3C 9, 24:19616
  - Superbright radio "knots" in the H II region W51, 24:35063
  - Variation of the angular sizes of quasars with redshift, 22:34167
- MILEY, George H. Direct conversion of nuclear radiation energy, 25:27480
  - Experience teaching a fusion design seminar, 25:3137 (ORO-1171-1, pp 376-86)
  - Neutron pulse propagation in a multiplying medium, 24:11283
  - Roots and coefficients for reactor-kinetics equations, 23:47324
  - Unified approach to two-region ionization-excitation density calculations, 23:24300
  - University research using fast burst reactors, 24:11261 (CONF-690102-, pp 613-23)
  - Utilization of a pulsed reactor for research and irradiation, 23:47263 (CNM-R-2(Vol.3), pp 1645-56)
- MILEY, George K. Fine structure of Cygnus A, 25:32964
  - Radio structure of quasars: statistical investigation, 25:45219
  - Search for redshifted 21-cm absorption in quasi-stellar objects, 24:27987
- MILFORD, R. P. Prog. rpt. on fluoride volatility processing, semiannual, 11/30/66, 21:32228 (ORNL-TM-1849)
- MILGRAM, M. S. Interpretations of pω mass enhancement near threshold, in $\pi^-p \rightarrow \pi^-p\omega$ at 7 GeV/c, 24:49345
  - Off-mass-shell dependence of A_1-meson, 25:53168
  - Satellite terms in Veneziano models, 24:37770
- MILGRAM, Michael S. Crossing-symmetric model for $\pi\pi$ scattering with some unitary aspects, 25:22813
- MILGROM, Halina Tumors of skin. XII, 25:58037
  - Use of Mohs' chemosurgery technique in treatment of skin cancers, 22:45701
- MILGROM, M. Dashen—Frautschi method and the electromagnetic couplings of the deuteron, 23:23430
  - Factorization constraints on the Veneziano model, 24:3640
- MILHAM, R. C. Charcoal post treatment; heat degradation and service life, 23:24023 (CONF-680821-, pp 167-9)
  - Desorption of iodine from activated carbon, 24:5724
  - High temperature properties of activated carbon. I and II, 23:29071
  - High-temperature properties of activated C. I and II, 23:16523 (DP-MS-68-31)
  - Prog. rpt. on iodine retention studies, 1—6/69, 24:7484 (DP-1213)
  - Prog. rpt. on iodine retention studies, 7—12/69, 24:41388 (DP-1234)
- MILHAM, Robert C. Activity confinement system of Savannah River Plant reactors, 21:5700 (DP-1071)
  - Prog. rpt. on high temperature adsorbents for iodine, 1/65—9/66, 21:10304 (DP-1075)
  - Prog. rpt. on iodine and noble gas retention studies, 10/66—12/68, 23:48581 (DP-1209)
- MILHAUD, Francine Endocavity gynecological Curie therapy by ^{137}Cs (apparatus with nonradioactive preparation), 21:45733
- MILHAUD, G. Calcium and strontium metabolism, 24:31835
  - Metabolism of galactose ^{14}C in blood cells, 25:10485
- MILHAUD, Jeannine Influence of nitric oxide on the radiolysis of liquid and gaseous cyclohexane. II, 22:35836
  - Influence of NO on the radiolysis of liquid and gaseous cyclohexane. I, 22:35835
- MILHAVEN, M. John Regis Isotopic exchange in dichlorobenzoates and protium and deuterium oxides, 24:13827
- MILHES, Jean Improvements in or relating to mixer-settler apparatus, 21:45290
- MILHORAT, A. T. Prolylhydroxyproline in urine, 23:13653
- MILIA, F. K. Crystal structure effect in γ radiation of p-dichlorobenzene, 23:7556
  - Radiation resistance of chloral hydrate to γ rays, 24:20821
- MILIA, Fanny K. Simple cryostat for N.Q.R. measurements, 23:10572 (DEMO-68/6)
- MILIA, Ugo Isolation of a leukemic virus from mice with leukemia from ionizing radiations, 21:12897
  - Leukemogeneis with ionizing radiations in neonatal mice, 21:28644
- MILIC, B. Excitations of electrostatic ion-cyclotron oscillations, 23:27666
  - Kinetic theory of stability of a nonuniform plasma in an electric dc field, 22:17712
  - Stabilization of dynamic mode of weakly ionized plasma, 23:20939
- MILIC, D. Treatment of uranium ores from Gorenja Vas area, 25:23661
- MILIC, G. Formation of sugars in wood of Fagus silvatica L. irradiated by ^{60}Co gamma rays, 24:7731
- MILIC, Nikola B. Solvent extraction of some actinides and fission products by nitromethane, 22:33521
- MILIC-EMILI, J. Airway closure, 25:4428
  - Radioactive gases, 25:4663
  - Use of radioactive gas in the investigation of pulmonary function, 25:4666
- MILICH, B. Excitation of ion-cyclotron oscillation in plasma in external electric field, 23:14845
  - Excitation of ionic sound in a plasma in a strong electric field, 22:9347

Kinetic theory of drift-dissipative plasma instabilities, 22:15547
Theory of stability of a weakly ionized plasma in external electric field, 23:14827
MILICH, Charles P. Analog computer potentiometer record and storage program, 22:48753 (LA-DC-9838)
Hybrid simulation techniques in nuclear rocket propulsion program, 24:38617
Use of hybrid simulation techniques in the nuclear rocket propulsion program, 23:2083 (LA-DC-9642)
MILIGY, Z. Decay scheme ^{117}Cd and /sup 117m/Cd, 24:38240
Decay scheme of ^{111}Pd and /sup 111m/Pd, 23:19261
Decay scheme of ^{144}Pr, 23:19260
Radiative capture cross sections for 14.7-MeV neutrons, 21:13839
Radiative capture cross sections for 3 MeV neutrons, 22:3683
MILIKHOV, P. I. Maintaining equilibrium in the uncased TO-1 Tokamak device by means of a feedback system, 25:38467 (CONF-710607-72)
MILIN, L. Retention of ^{85}Sr in swine, 23:50475
MILIN, V. B. Radon concentration and vertical turbulent mixing in the lowest atmospheric layer, 23:44230 (AD-679719)
MILINCHUK, V. K. Decay of the peroxide radicals in polymers under the action of ionizing radiation, 24:13961
Effect of light on paramagnetic centers of DNA exposed to γ-radiation, 24:21078
EPR method for investigation of sulfur reactions with rubber during radiolysis followed by light illumination, 21:38967
Formation of free radicals in polymers by simultaneous action of ionizing radiation and light, 25:21034
Investigation of free radicals of gamma-irradiated cellulose derivatives by EPR, 25:51515
Investigation of irradiated polymers by optical spectroscopy and electron paramagnetic resonance. I, 23:28892
Investigation of the relationship of paramagnetic centers and the radiation damages formed during gamma-irradiation of dry preparations of dna, 24:11937
Photoinduced conversions of free radicals in polymers. I, 23:28891
Radiation chemistry of polyacrylamide. I, 23:35221
Radiation chemistry of polyacrylamide. III, 24:11592
Structure of free radicals in γ-irradiated polypropylene, 24:33740
MILINOVIC, A. Thermostat for a fast reactor assembly, 24:52862
MILIOS, Paul Theoretical analysis of the moving boundary measurement of transference numbers, 22:1936 (UCRL-17807)
MILIOTIS, Demitrios M. Bulk-plasmon dispersion spectrum of Be using an x-ray scattering technique, 25:14443
MILITARU, Al. Comparative radiometric investigations of the humidity of the soil, 22:30880
MILITARU, Valentin Entropy production in the case of dynamic polarization of nuclei by the solid effect, 21:35231
MILIVOJEVIC, K. Resorption of ^{137}Cs through mechanically damaged skin, 23:35910
MILIVOJEVIC, Katarina Effect of total body gamma irradiation on the percutaneous absorption of radiocesium, 25:26595
MILIVOJEVIC, S. Analysis of thermal reliability of RA reactor core, 25:31638
MILJAN, Iva Automatic power control system of Triga reactor, 23:43152
MILJANIC, D. (n,d) and (n,t) reactions on ^{7}Li, 24:49771
Charged particle detection in reactions with 14.4 MeV neutrons, 24:5924
Differential elastic scattering cross sections of 14.4-MeV neutrons by hydrogen isotopes, 23:21246
Neutron induced non-elastic processes on light nuclei, 24:52396
Neutron—charged particle coincidence measurements from 14.4 MeV neutron induced reactions, 24:5908
Neutron—proton bremsstrahlung at 14.4 MeV, 25:20257
Neutron-induced breakup of deuteron, 24:40253
Pick-up reactions on ^{11}B, 23:1802
Reaction ^{11}B(n,t)^{9}Be at 14.4 MeV, 25:20285
Reactions (n,d) on ^{14}N, ^{35}Cl, ^{39}K, ^{40}Ca, and ^{75}As at 14.4 MeV, 22:5798
MILKE, P. Silicon-controlled rectifier circuitry for producing pulsed magnetic fields, 21:36447
MILKEY, R. W. Origin of flare produced hard x rays, 25:27385
Vela V and VI solar x-ray atlas. I, 24:42422 (LA-4454)
Vela V and VI solar x-ray atlas. II, 25:9097 (LA-4454(Vol.2))
Vela V and VI solar x-ray atlas. V, 25:43066 (LA-4454(Vol.5))
Vela V and VI solar x-ray Atlas, 1/1—5/15/70, 25:32972 (LA-4454(Vol.3))
Vela V and VI solar x-ray Atlas, 4/11—9/1/70, 25:32973 (LA-4454(Vol.4))
MILKEY, Robert W. Chromospheric heating above supergranular boundaries, 25:908
Frequency dependence of acoustic emission by isotropic turbulence, 25:907
MILKEY, Robert William Heating of the chromospheric network by hydromagnetic waves, 25:13908
MILKO, V. Change in cholinesterase activity with radioactive I, 21:20257
MILKO, V. I. Changes of cholinergic regulation, 24:34694
Effect of x-irradiation on the testicles and ovaries of impuberal mice, 23:38783
Mechanism of neuro-humoral regulation in incorporated irradiation, 24:44596
MILL', B. V. Moessbauer effect at ^{119}Sn nuclei in some garnet structure compounds, 22:34775
MILL, William B. Carcinoma of the tonsil, 24:34528
Irradiation of early carcinoma of the larynx. Significance of tumor extent, 25:35188

MILLAR, C. H. Heavy water power reactors, 21:40520 (AECL-2827)
Prediction and verification of fuel burnup in Canadian heavy-water reactors, 25:41283
MILLAR, D. D. Plasma diagnostics, 25:3069
MILLAR, D. K. Isotope anomalies in rare gases, 25:32875
MILLAR, David G. Placental localization by colorscan, 23:38657
MILLAR, F. Spectrophotometric determination of Zr in mild and low alloy steels, 25:44318
MILLAR, Gail Rapid and simplified method for liquid scintillation counting of radioactive proteins utilizing aquasol, 25:31843
MILLAR, R. Univ. of Toronto solid-state interlock systems, 23:28071
MILLAR, W. Annular plasmas produced by rotating magnetic fields, 21:7170 (CLM-R-65)
Laser-produced plasmas from isolated solid hydrogen pellets, 22:1262
Laser-produced plasmas from solid hydrogen targets, 21:16952
Plasma containment in the Proto-Cleo stellarator, 25:38373 (CONF-710607-106)
MILLAR, William Improvements in or relating to electric switches, 22:6254
MILLARD, D. J. Automatic control in gas-cooled-reactor nuclear power stations, 21:17503
MILLARD, H. T. Jr. Determination of gold in rocks by neutron activation analysis using fire-assay preconcentration, 22:30465
Neutron activation analysis for osmium, ruthenium, and iridium in some silicate rocks and rock-forming minerals, 25:54486
Neutron activation analysis of individual cosmic spherules, 24:150
Neutron activation analysis procedure for the determination of the noble metals in geological samples, 25:54485
MILLARD, J. K. Beam current monitor for Oak Ridge Electron Linear Accelerator, 25:50509
Linear, wideband, low-noise amplifier stage for use in nuclear pulse amplifiers, 24:39263
Low-noise wide-band current preamplfier for use with semiconductor detectors, 21:28210 (ORNL-P-3064)
Low-noise wide-band current preamplifier for use with semiconductor detectors, 23:21993
New shunt-series nanosecond pulse amplifier, 21:17234
Sliding pulse generator for testing multichannel analyzers, 22:6677 (ORNL-TM-1989)
MILLARD, Joe Kenneth Broadband current preamplification for obtaining simultaneous high-resolution energy and time information from radiation detectors, 25:23839 (ORNL-TM-3252)
Investigation of broadband current preamplification for obtaining simultaneous high-resolution energy and time information from nuclear radiation detectors, 25:51860
MILLARD, Rosemary E. Chromosome studies in patients with polycythaemia vera after treatment with ^{32}P, 24:34246
Chromosomes in polycythaemia vera, 21:16321
MILLARD, W. A. Pitch-damping characteristics of Sandia Tomahawk rocket configuration, 21:35813 (SC-RR-66-690)
Stability and axial force data on standard hypervelocity ballistic models HB-1 and HB-2, 21:27858 (SC-DC-67-1540)
MILLARD, Wayne A. Electronics implementation of the solar neutron experiment, 25:49638 (AD-719944)
MILLARD, William A. Performance and flight characteristics of Sandhawk family of rocket systems, 25:8167 (SC-DC-70-4757-A)
Stability and axial force tests of the standard hypervelocity ballistic models HB-1 and HB-2 at Mach numbers of 5.3, 7.5, and 11.4, 21:32068 (SC-RR-67-176)
MILLBRANTH, D. R. Closed circuit television applications in reactor radiation biology research, 25:16359 (AD-710375)
MILLBURN, Lowell F. Treatment of Ewing's sarcoma, 23:38709
MILLEA, M. F. Cosmic background radiation at lambda = 3.3 mm, 25:33029
Effects of radiation damage on GaAs p—n junctions, 21:6384
MILLEMAN, S. E. Development of breadboard model of all-pneumatic neutron flux detector, 23:16088 (N-68-31552)
MILLEN, D. J. Nuclear quadrupole coupling tensor in dibromomethane, 24:33664
MILLENER, D. J. Systematics of nuclear single particle states, 25:53667
MILLER, A. Cause of the dark-sheath in rf plasmoidal discharges, 22:3061
Doppler measurements of the kinetic energies produced in radio-frequency plasmoids, 21:42057
Radio frequency plasmoidal discharges, 23:34407 (AD-682992)
MILLER, A. A. High resolution plastic track detectors of heavy cosmic rays, 24:482 (N-69-35895)
MILLER, A. B. Control of the dynamic environment produced by underground nuclear explosives, 24:14132 (UCRL-72122)
Control of the dynamic environment produced by underground nuclear explosives, 24:41518 (CONF-700101-(Vol.2), pp 979-93)
MILLER, A. D. Determination of tantalum in natural and industrial waste water, 22:22967
Dissociation behavior of uranium monocarbide, 22:42689
MILLER, A. E. Low-temperature magnetic behavior of several oxides of gadolinium, 25:59198
MILLER, A. G. Determination of gallium in plutonium by atomic absorption, 22:42584 (ARH-SA-13)
MILLER, A. I. Fission gas release from UO_2 fuel rods with time varying power histories, 24:7358
Pion—nucleon scattering and production in the D_{13} state, 23:8811

MILLER, A. J. Brayton-cycle radioisotope heat source design, Phase I, 21:36261 (ORNL-TM-1691(Del.))
Brayton-cycle radioisotope heat-source design, Phase II, 21:36262 (ORNL-TM-1829)
Measurement of induced activity to estimate personnel radiation exposures received from accelerator beams, 25:52073 (UCRL-20262)
Method for mapping spatial distribution of stopping π^- mesons in tissue, 24:25487 (UCRL-19376)
Method for mapping the spatial distribution of stopping π^- mesons in tissue, 25:13547
Space heating in urban environments, 23:31250 (CONF-680810-, pp 219-37)
Techniques for mapping the spatial distribution of stopping π^- mesons in tissue, 25:38527 (UCRL-20291)
Use of steam-electric power plants to provide thermal energy to urban areas, 25:10094 (ORNL-HUD-14)
MILLER, A. Jerry Intensity estimation for a neutron beam for biological and medical applications, 25:31174 (UCRL-19715)
Neutron spectra as a function of depth in uranium and iron-faced concrete shielding for medium-energy cyclotron beams on tantalum, 22:31906
MILLER, A. R. Thermodynamic and transport properties of Cs and Rb, 21:25812 (AGN-8192(Vol.1))
Thermodynamic and transport properties of K: PVT properties, 21:28745 (AGN-8194(Vol.2))
MILLER, A. T. Accumulation of ^{90}Sr by meadow plants of Latvia, 24:50805
Action of various types of ionizing irradiation on flax and hemp, 23:12243
MILLER, Alan Dale Electronic band structure and oxygen potential in the system Zr—C—O, 22:50972
MILLER, Alan R. Fission-fragment synthesis of a new nitrogen—fluorine compound, 21:14261
MILLER, Albert E. Construction, calibration, and operation of a vibrating-sample magnetometer, 23:37850 (IS-1717)
MILLER, Alvin J. Radiation studies at a medium energy accelerator, 24:22037 (UCRL-19386)
MILLER, Andrew S. Fallout migration from a sloped roof, 24:36407 (AD-703856)
MILLER, Arthur I. Pion—nucleon scattering and production in the D_{13} state, 24:49504
Resonant photon—hydrogen-atom scattering, 24:26008
MILLER, August C. Jr. To build a bigger ditch, 22:42932
MILLER, B. Ionizing shock wave plasma diagnostics, 22:13443
Normal and transverse ionizing shock studies, 23:30537
Plasma heating by strong shock waves, 25:27670
MILLER, B. E. System Ni—Mn—B, 23:34019
MILLER, B. I. Phonon generation and detection in superconducting lead diodes, 25:25048
MILLER, B. Peter Energy and angular distributions of electrons from ionization excitation of helium by proton bombardment, 25:16817
MILLER, Barry I. Relaxation and recombination times of quasiparticles in superconducting Al thin films, 21:29180
MILLER, Bennett Normal ionizing shock waves, 21:13604
Plasma heating by strong shock waves, 23:25284 (AD-678637)
Theta pinch behavior for very early times, 24:26196
MILLER, Billie F. Proceedings of fourth LAMPF users meeting, Los Alamos, N. Mex., 10/70, 25:25564 (LA-4578)
Proceedings of third LAMPF users meeting, Boulder, Colorado, 10/29, 24:24466 (LA-4397)
MILLER, C. Liability insurance cover of carriers by sea of nuclear materials, 24:22952
MILLER, C. A. PDP-9 system at Univ. of Manitoba cyclotron, 22:47414
Reaction D(p,2p)n, 24:43115
Structure-foundation interaction of a nuclear power plant with a seismic disturbance, 25:18160
MILLER, C. D. Improvement of spectral baseline stability for a time-of-flight mass spectrometer operated at elevated pressures, 23:17842
MILLER, C. Dean Modification of a time-of-flight mass spectrometer for investigation of ion—molecule reactions at elevated pressures, 22:19217
MILLER, C. E. Late effects of radium deposition in man, 25:24431
Measuring transient temperature in cryogenic fluids, 21:31368
Radiobiological parameters in human cancers, 24:34721
Radium-induced malignant tumors in man, 23:29819 (ACRH-30, pp 69-91)
Skeletal lesions in man after acquisition of radium burden, 24:2659
MILLER, C. E. Jr. Adequacy of scale-up in experiments on fission product behavior in reactor accidents. II, 21:8125 (ORNL-4021)
Boundary-layer diffusion model of fission product release from reactor fuels, 22:48792
Effect of fission products on charcoal ignition, 21:23727 (ORNL-TM-1739)
Light bulb model of fission product release from reactor fuels, 21:23614 (ORNL-4060)
Liquid-metal fast breeder reactor safety program, 24:13580
MILLER, C. G. Compatibility and shielding analysis of science instruments in spacecraft containing a radioisotope thermoelectric generator, 25:478 (N-70-27140)
Interactions between radiation fields from radioisotope thermoelectric generators and scientific experiments on spacecraft, 24:6583
Interactions between radiation fields from radioisotope thermoelectric generators and scientific experiments on spacecraft, 24:46557
MILLER, C. H. Interpretation of a gravity survey of Amchitka Island, Alaska, 25:23499 (USGS-474-93)
Reconnaissance gravity survey of Rat Islands, with emphasis on Amchitka Island, Alaska, 24:7508 (USGS-474-49)

- MILLER, C. L. Current practices in boiling water reactor initial core design, 25:41393
- MILLER, C. R. Disruption of a radiation-induced preference shifts by hippocampal lesions, 25:49296
- MILLER, C. S. LOFT core design, 21:34157 (IDO-17219)
- MILLER, C. Samuel Thermionic properties of refractory intermetallic compounds in the binary systems chromium—rhenium, molybdenum—rhenium, and tungsten—rhenium, 25:27911
- MILLER, C. W. Influence of liner and spacer geometry on superheat fuel performance, 21:13977 (GEAP-5289)
- MILLER, Carl Elmer Hyperfine structure constants of sodium iodide, 22:34241 (COO-1112-163)
- MILLER, Carl F. Approach to defining postattack recovery management concepts and techniques, 21:12842 (NP-16536)
  - Approach to defining postattack recovery management concepts and techniques, 22:2258 (AD-646627)
  - Assessment of nuclear weapon requirements for assured destruction, 25:13132 (AD-711021)
  - Biological and radiological effects of fallout from nuclear explosions. III, 24:14477 (AD-688940)
  - Decontamination as a remedial measure, 23:20199 (CONF-680507-, pp 433-45)
  - Interaction of fallout with fires, 25:10702 (AD-708558)
  - Introduction to long-term biological effects of nuclear war, 21:20233 (NP-16462)
  - Local fallout hazard assessment, 23:20183 (CONF-680507-, pp 93-104)
  - Mass contour ratio for fallout and fallout specific activity for Shot Small Boy, . 23:26384 (AD-677403)
  - Nature and behavior of local fallout, 23:19863 (CONF-680507-, pp 49-64)
  - Operation Ceniza-Arena: retention of fallout particles from Volcan Irazu by plants and people. III, 23:15971 (AD-673202)
  - Properties of radioactive fallout, 24:20925 (AD-699420)
  - Properties of radioactive fallout: balloon-mounted Shot Priscilla, 25:10733 (AD-708566)
  - Properties of radioactive fallout: surface detonation Coulomb C, 25:10734 (AD-708567)
- MILLER, Carl R. Critical review of the assumptions involved in establishing the MPD and MPC's in air and water, 25:55254
- MILLER, Carroll D. Method of improving senstitivity and resolution of a mass spectrometer, 24:19266
- MILLER, Charles A. Creep deformation of thick prestressed rings, 22:19011
- MILLER, Charles E. Argonne radium studies, 23:22426 (ANL-7531)
  - Argonne radium studies, 25:8669 (COO-2088-1)
  - Argonne radium studies: computed radiobiological indices, 24:46607 (ANL-7680)
  - Cesium-137 retention in mice, 23:796
  - Estimates of body composition derived from potassium measurements, 23:22216
  - Intercomparison of reliability of body ^{137}Cs measurements on human beings, 21:43370 (TID-23740)
  - Intercomparison of reliability of body ^{137}Cs measurements on human beings, 22:8549
  - Nassau County microwave oven study, June 1969—March 1970, 25:21725
  - Precision of assay of whole-body potassium in man, 23:22210
  - Radium retention in man after multiple injections, 22:51368
  - Radium-induced malignant tumors in man, 23:38799
  - Whole-body counters, 21:6545
- MILLER, D. Annihilations of antiprotons at rest in H. VI, 21:871 (NEVIS-154)
  - Annihilations of antiprotons at rest in H. VI, 21:29447
  - Cylindrical wire chamber, 22:6651
  - Hydrogen peroxide and irradiation of tumors, 21:41436
  - Oscillations in natural-circulation boiling water loops, 21:12167
  - Pulsed radiation energy spectrometer using ferroelectrics, 22:12580
  - Thermal effects and nuclear power stations in the U.S.A, 24:45915 (CONF-700810-30)
- MILLER, D. A. Corrosion and coolant chemistry interactions in pressurized water reactors, 25:2637
- MILLER, D. B. Elasticity of the $\Sigma(2030)$, 25:9681
  - High momentum single stage electrostatically separated beam, 24:13260
  - Plasma acceleration with microwaves near cyclotron resonance, 22:1200
  - Prog. rpt. on microwave driven magnetic plasma accelerator studies, final, 2/66—2/67, 21:29222 (NASA-CR-72227)
  - Temperature dependence of the annihilation rate of positrons in argon gas, 22:52533
- MILLER, D. D. Some aspects of Λ^0 production in multibody final states produced in 6 GeV/c K^-p interactions, 22:41750
- MILLER, D. G. Canine lymphosarcoma maintained in serial passage, 23:33655
  - Isotopic enrichment by electromigration in aqueous solutions, 25:23652 (UCRL-51003)
- MILLER, D. H. Application of generalized Veneziano model to $K^-n \rightarrow K^{*-}\pi^-p$ at 4.5 GeV/c, 25:1424
  - Boson structures in reaction $\pi^+p \rightarrow p\pi^+\pi^0$ at 13.1 GeV/c, 24:37645 (COO-1428-221)
  - Breakdown of vector dominance relation between rho^0, ω production, and polarized photoproduction, 23:14993
  - Charge asymmetry in the muonic decay of the K_2^0, 22:22290 (CONF-670923-, pp 484-93)
  - Coherent K*(890) production off deuterium, 23:14979
  - Coherent production of high mass meson states in π^+d collisions at 13 GeV/c, 25:43550 (COO-1428-290)
  - Decay of high mass bosons to $\pi^+\pi^0$, 24:37637 (COO-1428-176)
  - Decay of some high-mass bosons to $\pi^+\pi^0$, 24:40282
  - Decay properties of D^0 meson, 24:37648 (COO-1428-224)
  - Diffractive $\pi\pi$ scattering in $\pi N \rightarrow \pi\pi N$ at 13.1 GeV/c, 25:56425 (COO-1428-294)
  - Enhancement in the $\pi^-\pi^+$ system at M = 1.05 GeV, 23:3644
  - Evidence against an $n\pi^-\pi^-$ enhancement at a mass of 1.627 GeV/c^2 in $K^-d \rightarrow$ p/sub s/ $\pi^+\pi^-\pi^-n$ anti K^0 at 4.48 GeV/c, 25:22687 (COO-1428-255)
  - Final states with a single charged particle and visible Λ from K^-n interactions at 4.5 GeV/c, 24:18090
  - Final states with one or two charged particles and a visible anti K^0 from K^-d interactions at 4.5 GeV/c, 24:32965 (COO-1428-166)
  - Final states with one or two charged particles and a visible anti K^0 from K^-d interactions at 4.5 GeV/c, 24:40276
  - Final states with three charged particles and a visible anti K^0 from K^-d interactions at 4.5 GeV/c, 25:43549 (COO-1428-286)
  - Forward structure of the single-pion-production amplitude, 24:15481
  - High mass boson production in π^+p interactions at 13.1 GeV/c, 24:37646 (COO-1428-222)
  - Impulse model in reaction $K^-d \rightarrow p\Lambda^0\pi^- +$ neutrals, 25:1416
  - K*(890) production in K^-n and K^-p interactions, 23:42575
  - Lambda polarization in $K^-n \rightarrow \Lambda\pi^-$ at 4.5 GeV/c, 23:25531
  - Low mass I = 0 S-wave $\pi\pi$ phase shift, 25:59306
  - Meson resonances, 21:15324
  - Multiperipheral analysis of reaction $\pi^+d \rightarrow$ p/sub s/p $\pi^+\pi^-\pi^0$ at 13 GeV/c, 24:37649 (COO-1428-225)
  - Neutral dipion mass distributions in reactions $\pi^+n \rightarrow p\pi^+\pi^-$ and $\pi^-p \rightarrow \Delta^{++}\pi^+\pi^-$ at 13 GeV/c, 24:37779 (COO-1428-219)
  - New $\Lambda\pi$ resonance in the reaction $K^-n \rightarrow \Lambda\pi^+\pi^-\pi$, 24:15480
  - Observations of an I = 0 $\pi^-\pi^+$ resonance at a mass of 1.05 GeV, 22:41739 (COO-1428-84)
  - On-line scintillation counter control system, 25:51896 (UCRL-20636)
  - Piπ S-wave phase shift in the rho region taking into account absorption effects, 21:11774
  - Polarization of the Λ hyperon for reaction $K^-n \rightarrow \pi^-\Lambda$ at 4.5 GeV/c, 22:41736 (COO-1428-81)
  - Production of a π^-eta resonance at a mass of 0.98 GeV in $K^-n \rightarrow \Lambda\pi^-$eta at 4.5 GeV/c, 23:30718
  - Production of $\Lambda\pi(1645)$ resonance in K^-d interactions at 4.5 GeV/c, 23:44600 (COO-1428-141)
  - $\pi^+n \rightarrow$ eta p: Regge parametrization using Veneziano-type residue functions, 24:1523
  - R region in 13 GeV/c π^+ nucleon interactions, 25:43545 (COO-1428-277)
  - Reaction $K^-d \rightarrow K^{*-}(890)d$ at 4.5 GeV/c, 22:41737 (COO-1428-82)
  - Reaction $\pi d \rightarrow d\pi^+\pi^+\pi^-$ at 13 GeV/c, 24:37644 (COO-1428-220)
  - Rotation invariance and structure of S-wave π π cross section, 24:40363 (COO-1428-174)
  - Study of $D^0 \rightarrow \pi^{+-}$delta^{-+} and delta$^{-+} \rightarrow \pi^{-+}$eta in the reaction $\pi^+d \rightarrow$ p/sub s/pD^0 at 2.7 GeV/c, 23:27747 (COO-1428-117)
  - Study of $D^0 \rightarrow \pi^{+-}$delta^{+-} and delta$^{+-} \rightarrow \pi^{+-}$eta in the reaction $\pi^+d \rightarrow$ p/sub s/pD^0 at 2.7 GeV/c, 23:34544
  - Study of Δ^{++} production in two pronged π^+p interactions at 13.1 GeV/c, 24:42877 (COO-1428-232)
  - Study of I = 0 $\pi^-\pi^+$ resonance at mass of 1.06 GeV, 23:3652
  - Two-charged-particle final states from $\pi^- +$ p interactions at 2.7 GeV/c, 21:15269
  - Unique set of I = 0 S-wave $\pi\pi$ phase shifts, 24:13050
- MILLER, D. J. Coherent production of the $p\pi^+\pi^-$ enhancement at 1470 Mev by 28-GeV/c protons on neon, 22:41729 (BNL-12674)
  - Coherent production of the $p\pi^+\pi^-$ enhancement at 1470 MeV by 28 GeV/c protons on neon, 23:10749
  - Low-multiplicity final states in pp interactions at 28.5 GeV/c, 22:41728 (BNL-12673)
  - On-line solid-state reactivity computer for reactor physics testing, 24:48343 (WAPD-TM-896)
  - Production of electron pairs of high invariant mass in 830 MeV/c (π^+-nucleus) interactions, 21:11743
  - Single—isobar production in proton—proton interactions at 28.5 GeV/c, 22:46329
  - Study of pp interactions at 28.5 GeV/c in two- and four-prong final states, 22:7434 (BNL-11980)
- MILLER, D. K. Fission track ages of mica minerals, 22:42853
- MILLER, D. L. Core physics of first loading of San Onofre nuclear generating station, 21:4384 (WCAP-3269-55)
  - How PWR performance is optimized, 23:6013
  - Ray tracing of the Z mode in a tilted-layer ionosphere, 23:12649
- MILLER, D. R. Crystallographic procedures for the electron microscopy of hexagonal metals, 25:692
  - Detection of leaks in inaccessible areas of the boiling-water-reactor nuclear power plant, 22:16127 (CONF-671011-, pp 228-37)
  - Excitation of a pure tone by flow through an orifice, 24:52880 (ANL-7685, pp 308-11)
  - Flow-induced instability of a thin-walled cylindrical shell, 24:52881 (ANL-7685, pp 312-20)
  - Generation of positive and negative damping with a flow restrictor in axial flow, 24:52879 (ANL-7685, pp 304-7)
  - Hexagonal networks of dislocations in α-Zr, 25:58288
  - Pressure suppression containment, 23:21569
  - Prog. rpt. on 600 MWe high power density BWR core-conceptual design, final, 2/66, 21:17448 (GEAP-4974)
  - Scattering of 0.06- to 2.5-eV Ne and Ar atoms from a Ag (111) crystal, 24:19728
  - Theoretical analysis of flow-induced vibration of a blade suspended in a flow channel, 21:6127 (KAPL-M-6559)
  - Tornado protection for the spent fuel storage pool, 23:43129 (APED-5696)
- MILLER, D. T. Classical theory of magnetic monopoles, 25:33643
- MILLER, D. W. Aluminum-25 levels from the $^{24}Mg(p,\gamma)^{25}Al$ reaction, 25:28276
  - Experiments on polarization in nuclear stripping reactions, 21:21617
  - Ferroelectrics in detection of nuclear radiation, 24:29536
  - Prog. rpt. on development of ferroelectric nuclear radiation detectors, 6/66—10/67, 23:607 (AD-671610)
  - Proton polarization in $^{28}Si(d,p)^{29}Si$ reaction, 24:24535
  - Proton polarization in the reaction $^{40}Ca(d,p)^{41}Ca$, 24:24536
  - Reaction $^{40}Ca(d,p)^{41}Ca^*$(3.95 MeV), 23:42893
  - Theory and application of ferroelectric radiation detectors, 24:36577
- MILLER, David Equation of state for fast reactor safety studies. Part I. Theoretical relations, 25:8109
  - Estimation of vapor and liquid density and heat of vaporization of the alkali metals to the critical point, 22:51173
  - Radioactive scleral shells in the treatment of conjunctival tumors, 25:8731
  - Thermophysical properties of sodium, 22:23777
- MILLER, David B. Microwave powered plasma accelerators, 21:13561 (AGARD-CP-8(Vol.2), pp 679-98)
- MILLER, David H. Mass resolution for reaction $\pi^+ +$ p $\rightarrow \pi^+ \pi^+ + \pi^- +$ p in hydrogen bubble chamber, 24:50589 (TID-25473(Vol.2), pp 33-44)
  - Review of S = -1 baryon states as observed in production experiments, 24:40248 (COO-1428-208)
- MILLER, David R. High intensity fast O atom source, 24:6345
- MILLER, Donald David Three-component plasma streaming into dipole magnetic field, 25:9414
- MILLER, Donald G. Thoria dispersion strengthened nickel aluminide and method of making, 24:42076
- MILLER, Donald H. Decay properties of the $A_2(1310)$ meson, 21:9712
  - Design and construction of 1.2—1.9 BeV/c, separated K^- meson beam, 21:4151 (UCRL-17018)
  - Elementary particles with strong interactions. II, 23:39711
  - Elementary particles with strong interactions. I, 23:39739
  - Evidence against an I = 5/2 baryon resonance of mass 1640 MeV/c^2, 23:34528
  - Low-mass K anti K systems produced in π^-p interactions below 5 BeV/c, 21:2379
  - Multipion final states from π^-p interactions at 3.2 and 4.2 GeV/c, 22:15690
  - Peripheral production in the forbidden reaction $\pi^-p \rightarrow Y^{*-}K^+$, 23:14984
  - Resonances, 22:3402 (CERN-66-29(Vol.3), pp 93-152)
  - Strange-particle production in π^+d interactions from 1.1 to 2.4 GeV/c, 24:45437
  - Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. I, 22:5509
  - Strange-particle production in π^-p interactions from 1.5 to 4.2 GeV/c. II, 22:5510
- MILLER, Donald S. Fission track ages of some alpine micas, 22:42854
  - Fission track ages on 250 and 2500 m.y. micas, 22:42855
  - Prog. rpt. on U geochemistry in carbonates using fission track method, 1/70, 24:16441 (RPI-3836-3)
  - Prog. rpt. on uranium geochemistry in carbonates using the fission track method, 12/67, 22:10386 (RPI-3836-1)
  - Redistribution of U in carbonate sediments, 24:14094
  - Water-pressure effect on fission-track annealing in an alpine muscovite, 24:50460
- MILLER, Dwight W. Classical mechanical isotope effect. Effect of ring deuterium on the rate of pyrolysis of 1,1'-diphenylazoethane, 25:39502
- MILLER, E. S-wave pion—pion scattering length, 25:9668
- MILLER, E. B. Nondialyzable manganese and copper in human bile, 21:35859
- MILLER, E. F. Method of operating a neutronic reactor for reforming gas mixtures and producing heat for multi-purposes, 22:37523
  - Nuclear energy center for the co-production of agricultural chemicals and desalted water, 23:49644
- MILLER, E. H. Modern turbine designs for water-cooled reactors, 21:7905
  - Turbine generator for the Oyster Creek Station, 21:27743
- MILLER, E. J. Transport properties of partially ionized argon, 25:56183
- MILLER, E. K. Infinite cylindrical antenna in a uniaxial compressible plasma, 23:10608
  - Ionospheric composition measurements with an rf impedance probe, 23:16710 (N-68-33197)
  - Ionospheric composition measurements with an rf impedance probe, 24:1322
- MILLER, E. L. Neutron—proton charge-exchange scattering, 3 to 12 GeV/c, 25:33541
- MILLER, Earl R. Infinite number of laminagrams from a finite number of radiographs, 25:24256
- MILLER, Edmund K. Admittance of an infinite cylindrical antenna in a lossy, compressible, anisotropic plasma, 22:36815
- MILLER, Edmund Kenneth Excitation of surface currents on a plasma-immersed cylinder by incident electromagnetic and electrokinetic waves, 21:18738
- MILLER, Edward C. Brittle-fracture design concepts: transition temperature approach, 21:38747
  - Codes, specifications, and acceptance standards for weldments, 21:9088 (ORNL-P-2615)
- MILLER, Edward F. Process of producing rhenium for tungsten—rhenium alloys by the irradiation of tungsten, 21:28743
- MILLER, Edward Francis Methods of operating a neutronic reactor for reforming gas mixtures and producing heat for multipurposes, 25:54243
- MILLER, Edward S. Experimental study of π^--nucleus scattering from 0.6 to 1.6 GeV, 22:15681 (PPAD-630-F)

- MILLER, Edward Standish Pi$^-$—nucleus scattering from 0.6 to 1.6 GeV, 22:48455
- MILLER, Edwin Hydro shock experiment, 25:8383 (AD-706767)
- MILLER, Edwin A. Report of tests for x-ray emission from Rayotron electrostatic generator and particle accelerator, 24:47527 (BRH/DEP-70-22)
- MILLER, Edwin B. Hepatic scan in cirrhosis, 21:14696
  - Renograms compared with urograms, arteriograms, and function studies, 24:12161
- MILLER, Eric C. Analysis of medieval stained glass by neutron activation, 24:5620
- MILLER, Esther S. /sup 99m/Tc labeling of erythrocytes, 25:4414
  - Studies on the possibility of improving the selective localization of radiophosphorus in different tissues, 25:29453
  - Uptake of boron by tumors; its possible use in neutron-capture cancer therapy, 25:44870
- MILLER, F. E. Process studies on FEFO, 21:47046 (UCRL-13315)
- MILLER, F. J. Compilation of beta-excited x-ray spectra, 21:39144
  - Forensic applications of neutron activation analysis, 22:4003
  - Isotopes and radiation technology. IV, 21:39142
  - Isotopes and radiation technology. IV, 22:4586
  - Isotopes and radiation technology. Vol. 5, No. 1, 22:10521
  - Isotopes and radiation technology. Vol. 6, No. 1, 22:50898
  - Isotopes and radiation technology. Vol. 6, No. 2, 23:4886
  - Isotopes and radiation technology. Vol. 6, No. 3, 23:16049
  - Isotopes and radiation technology. Vol. 6, No. 4, 23:29621
  - Isotopes and radiation technology. Vol. 7, No. 1, 23:50062
  - Isotopes and Radiation Technology, Vol. 5, No. 3, 22:16636
  - Isotopes and Radiation Technology, Vol. 5, No. 2, 22:16632
  - Isotopes and radiation technology, Vol. 5, No. 4, Summer 1968, 22:30792
  - Isotopes and Radiation Technology, Vol. 7, No. 3, 1970, 24:11740
  - Isotopes and radiation technology, Vol. 7, No. 2, Winter/1969—70, 24:14192
  - Isotopes and Radiation Technology, Vol 7, No. 3, 1970, 24:29446
  - Isotopic methods of examination and authentication in art and archaeology, 25:261 (ORNL-IIC-21)
  - Oxygen determination by nuclear methods, 21:38912
  - Solvent extraction of fission products, 21:39011
  - Solvent extraction of fission products. II, 22:16651
  - Summary of symposium on radioisotope tracers in industry and geophysics in Prague, CSSR, Nov. 21—25, 1966, 22:4587
- MILLER, F. L. Jr. Digital filtering and spectral comparison using fast Fourier transform, 24:48001 (CTC-44)
  - Effects of chronic irradiation on laboratory populations of the quatic snail physa heterostropha, 25:55314
- MILLER, F. P. Adsorption and desorption of Sr and Ca to and from soils and soil clays, 23:17569
- MILLER, F. W. Application of LiF (TLD-100) to tissue-dose measurements, 21:26238 (CONF-650637-, pp 412-17)
- MILLER, Frances Unusual chromosomal findings in a case of myelofibrosis, 23:31986
- MILLER, G. Electrostatic field in the trail of ionospheric satellites, 24:35321
  - Quantum calculations of collinear reactive triatomic systems. II, 25:16813
- MILLER, G. E. Chemical effects of (n,2n) and (n,γ) activation in bromoethane, 21:17674
  - Effects of neutron capture in deutero-bromoethane, 21:24053
  - Effects of temperature and pressure upon the Szilard—Chalmers process in liquid bromoethane, 23:7557
  - Injection casting Al—10 wt. percent Pu fuel elements, 22:43552
- MILLER, G. H. 2s atomic level in muonic ^{140}Ce, 25:1743
  - 3d $\rightarrow$ 2p pionic transition in ^{58}Ni and ^{60}Ni, 24:43197
  - Electric quadrupole transitions in muonic ^{208}Pb, 25:4953
  - Energy and width measurements of the pionic 2p—1s transition in ^{23}Na, 23:1174
  - Nuclear gamma rays in ^{19}F following stopping pions, 24:52462
- MILLER, G. L. Active d-c restoration in nuclear pulse spectrometry, 21:32435
  - Bell-Rutgers data highway system, 24:39402
  - Conference on semiconductor nuclear-particle detectors and circuits, Gatlinburg, Tenn., 5/67, 23:22003
  - Fast multiplier employing field-effect transistors, 22:12715
  - Improved control system for Van de Graaff accelerators, 21:38013
  - Modular data highway systems, 24:7676 (CONF-690301-, pp 394-412)
  - Normalizing ADC for use with position sensitive detectors, 23:40990 (EUR-4289, pp 211-15)
  - Particle detector providing charge gain, 23:22029
  - Physics and operation of semiconductor particle detectors with particular reference to gamma detectors, 22:6558 (CONF-660663-, pp 3-26)
  - Position sensitive detector for a magnetic spectrograph, 25:18681
  - Proportional counter telescope for position determination and particle indentification in a magnetic spectrograph, 25:32247
  - Reference methods for refractory metals analysis, 21:35849 (NP-16904)
  - Reference methods for refractory metals analysis, 22:48820 (NP-17627)
  - Semiconductor detector method and apparatus, 22:28124
  - Semiconductor detector method, 21:3314
  - Use of semiconductors doped with isoelectronic traps in scintillation counting, 22:40428
- MILLER, G. P. Aqueous removal of sodium bond from unirradiated Hallam fuel elements, 24:31470
  - Aqueous removal of sodium bond from unirradiated Hallam fuel elements, 24:46306 (NLCO-1069)
  - Crystallization characteristics of acidic uranyl nitrate solutions, 22:48861
  - Increasing maximum enrichment processing capability through criticality calculations, 24:43999
- MILLER, Gary B. Multielement analysis of lunar soil and rocks, 24:20733
- MILLER, Gary Lee Influence of season on radiation sensitivity, 23:43719
- MILLER, Gaylord R. Low-frequency wave study in meso-deep ocean, 22:22892 (HIG-67-11)
- MILLER, Gene W. Prog. rpt. on biosynthesis of chlorophyll, 6/67—4/68, 22:16972 (COO-1287-5)
- MILLER, George E. Reactions of energetic ^{18}F atoms with tetrafluoroethylene, 24:46281
- MILLER, George P. Fire protection shield for radioactive shipping container, 22:45268
- MILLER, Glenn H. Emission cross sections for H$^+$, Na$^+$, Ne$^+$, Rb$^+$, incident on molecular nitrogen, 25:2902 (SC-RR-70-695)
- MILLER, Gordon C. Effects of radiation on the human heart: an electron microscopic study, 22:36383
- MILLER, Guthrie Inelastic electron scattering at large angles, 25:22660 (SLAC-129)
  - Inelastic electron scattering at large angles, 25:59242
- MILLER, H. Preliminary report on a direct digital readout system for absorptiometric determination of bone mineral content, 25:4632 (CONF-700515-, pp 22-7)
  - Radiation hazards from diagnostic radiology, 24:12073
- MILLER, H. C. Theory of radiative np capture, 24:51946
- MILLER, H. G. Binding energies and lifetimes of lighter hyperfragments, 21:44552
  - Effect of baryon resonance admixtures on elastic electron deuteron scattering, 25:59367
  - High-energy photoneutrons emitted from 1P-shell in ^{12}C, 25:3567 (SAL-15)
  - High-energy photoneutrons from ^{12}C, 25:33997
  - Hot sample changer and transfer cask for the nuclear explosion neutron source experiment, 23:7679
  - Nonmesonic decay of helium hyperfragments, 22:18112
  - Nonmesonic decay of hydrogen hyperfragments, 23:25780
- MILLER, H. H. Chromosomal aberrations and mortality of x-irradiated mammalian cells: emphasis on repair, 25:26723
  - Comparison of lethality and chromosomal damage induced by x-rays in synchronized Chinese hamster cells in vitro, 24:46669
  - Effect of temperature on x-ray induced cell lethality and chromosomal aberrations, 25:517
  - Radiosensitization with 5-bromodeoxyuridine of Chinese hamster cells x-irradiated during different phases of the cell cycle, 25:55258
  - X-ray induction of chromatid exchanges, 24:662
- MILLER, H. W. 100 kW rf power amplifier, 25:50333
  - Annotated bibliography of the chemistry and physics of americium, 21:8238 (RFP-770)
  - Bibliography of curium, 22:35737 (RFP-1081)
- MILLER, Harold N. Design, analysis, and fabrication of shielded containers to transport HNPF fuel elements, 23:585 (CONF-681001-, pp 584-606)
- MILLER, Harold William Light amplification by short-pulse ionization in a gas, 21:41294 (UCRL-17583)
- MILLER, Harry Direct digital readout system for measurement of bone mineral content using photon absorptiometry, 25:51278 (COO-1422-100)
  - Schrodinger equation solution programs, 23:7438 (NYO-3661-17)
- MILLER, Henry C. Radiative np capture and meson exchange currents, 25:5545
- MILLER, Henry Gilbert Study of high energy photoneutrons emitted from 1P-shell in ^{12}C, 25:38909
- MILLER, Herman Results of typical nondestructive measurements of fissionable material in various forms using nnc machines, 25:48790 (CONF-710617-20)
  - Special nuclear material measurements, 24:39200 (WASH-1147, pp 167-8)
- MILLER, Holly H. Prog. rpt. on application of nuclear technology to art identification problems, annual, 2/70—2/71, 25:51410 (NYO-3953-3)
- MILLER, I. R. Gemini-XI S-4 spaceflight radiation interaction experiment. II, 23:41294
  - Method for measuring the adsorption of tritium-labeled compounds and its application in the investigation of surface activity of DNA, 21:6404
- MILLER, Irvin M. Evaluation of coated molybdenum and columbium alloys in high-temperature supersonic airstreams, 23:26992 (N-69-10764)
- MILLER, J. Angular distribution of fission fragments from ^{170}Yb compound nucleus, 25:17860 (CU-1019-76)
  - Data summaries (nuclear-structure physics), 22:50522 (ORNL-4317-1)
  - Separation of traces of Ag from Pd, 24:16636
  - Substoichiometric isotope dilution analysis of Cu traces in Zn, 24:16438
  - Test of independence hypothesis: spectra of alphas and protons from ^{59}Co + α and ^{62}Ni + p, 22:20544
  - Yields of pions and muons from medium energy electron linear accelerators, 23:8881 (TID-24667, pp 583-96)
- MILLER, J. A. Radioisotope age determinations of Lake Rudolf artefact site, 24:27228
- MILLER, J. E. Measurement of neutron penetration standards. I, 23:49293 (AD-689839)
- MILLER, J. F. A. P. Cell to cell interaction in the immune response. III, 23:6378
  - Cell to cell interaction in the immune response. IV, 23:6379
  - Cell to cell interaction in the immune response. I, 23:6376
  - Cell to cell interaction in the immune response. II, 23:6377
  - Cell to cell interaction in the immune response, 24:635
  - Cell to cell interaction in the immune response, 24:11995
  - Cell to cell interaction in the immune response. V, 24:25411
  - Electron microscopic studies of thymus graft regeneration and rejection. II, 22:51929
  - Influence of the thymus on antigen-reactive cells and their precursors, 23:47996
  - Regeneration of thymus grafts. II, 21:22713
- MILLER, J. G. Alpher—Rubin ultrasonic attenuation and dipolar nuclear-acoustic-resonance coupling in pure metals, 25:19879
  - Elastic properties of vanadium. I. Temperature dependence of the elastic constants and the thermal expansion, 25:32689
  - Elastic properties of vanadium. II. The role of interstitial hydrogen, 25:32690
- MILLER, J. J. Proliferation of mast cells after antigenic stimulation in adult rats, 22:14941
- MILLER, J. K. Absorption, excretion, and tissue distribution of radiocerium, 24:16958
  - Comparison of ^{46}Sc and ^{144}Ce as nonabsorbed reference materials in studies with cattle, 25:13352
  - Effects of ^{131}I thyroid damage on lactation, 23:16406
  - Effects of ^{131}I thyroid irradiation damage, 23:26677
  - Effects of internal irradiation of the mammary gland, 24:17148
  - Effects of supplemental potassium bicarbonate upon ^{24}Na and ^{42}K metabolism in young nonlactating cows, 24:41747
  - Iodine transfer and concentration in the prepartum cow, fetus, and neonatal calf, 22:14967
  - Mineral metabolism in cattle, 24:11910 (ORO-672, pp 93-6)
  - Mineral metabolism in cattle, 25:16001 (ORO-678, pp 83-8)
  - Performance and I metabolism of dairy cattle with ^{131}I irradiation injury, 21:22741
  - Placental transfer and fetal development, 23:9836 (ORO-661, pp 16-18)
  - PM-3A safety system set point analysis, 21:8012 (MND-M3A-3146)
  - Radiocerium as a nonabsorbed reference material for determining gastrointestinal sites of nutrient absorption and excretion in cattle, 21:28371
  - Radioiodine and dairy cattle, 24:12240 (ORO-672, pp 87-92)
  - Radioiodine and dairy cattle, 25:16320 (ORO-678, pp 78-82)
- MILLER, J. L. Electron fractography of irradiated A 212-B pressure vessel steel, 23:27129 (ORNL-4369, pp 9-16)
- MILLER, J. L. Jr. Actinide redistribution in irradiated (U,Pu)O_2, 25:40113
- MILLER, J. M. Angular distribution of fission fragments from the ^{170}Yb compound nucleus excited to 107 MeV, 25:31371
  - Attainment of statistical equilibrium in excited nuclei, 22:14107
  - Bohr-independence hypothesis for nuclear reactions in the continuum, 24:15938
  - Complete-fusion collisions in heavy-ion reactions, 22:29945
  - Coupling losses in superconducting cavities, 23:3397 (BNL-12971)
  - Cross sections for formation of compound nuclei in heavy-ion reactions, 25:3611
  - Effects of using velocity-dependent potential in Monte Carlo simulation of intranuclear cascades, 23:15499
  - Fissionability as a function of angular momentum for ^{181}Re compound nucleus at an excitation energy of 70 MeV, 24:24568
  - High-energy nuclear reactions, 22:19728
  - Measurements of the cross sections for formation of compound nuclei in heavy-ion reactions, 25:45991
  - Nuclear-structure effects in simple high-energy spallation reactions, 22:20552
  - Particles emitted from ^{75}Br compound nuclei formed in two ways: ^{12}C + ^{63}Cu and ^{16}O + ^{59}Co, 22:53151
  - Precompound decay from a time-dependent point of view, 25:15140 (CU-1019-79)
  - Precompound decay from a time-dependent point of view, 25:46106
  - Production of tritium from bombardment of ^{4}He with 2.2-GeV protons, 23:25776
  - Prog. rpt. on nuclear physics, 6/71, 25:48071 (CU-1019-80)
  - Protons and alpha particles emitted from ^{75}Br compound nuclei with differing angular-momentum distributions, 25:12461
  - Radiative capture and neutron emission in ^{139}La + α and ^{142}Ce + p, 21:13866
  - Reaction cross section for low-energy alpha particles on ^{59}Co, 22:26956
  - Reaction cross sections of excited nuclei, 22:3652
  - Role of angular momentum and isobaric spin in tests of the independence hypothesis, 25:59830 (CU-1019-82)
  - VEGAS: Monte Carlo simulation of intranuclear cascades, 22:16079
- MILLER, J. Martin Functional autonomy in multinodular goiter, 25:13493
  - Relative function of the hot autonomous thyroid nodule, 24:14544
  - Treatment of hyperthyroidism, 23:43829
  - Treatment of hyperthyroidism, 23:35832
- MILLER, J. P. Evaluation of an erythrocyte kinetic test, 24:29629
- MILLER, J. R. Auroral measurements using rocket-borne photometers, 22:34398
  - Biaxial stress rupture testing of irradiated, ceramic-coated Incoloy 800, 24:32477
  - Energetic-particle measurements in a pulsating aurora, 25:16950
  - Evidence for a solar-wind origin of auroral ions from low-energy ion measurements, 25:27618

H beta production in H aurora, 23:48824
SNAP reactor fuel element performance, 24:33458
Sounding-rocket observations of particle precipitation in a polar-cap electron aurora, 25:56031
MILLER, J. S. Optical and radio observations of NP 0532, 23:27277
Television detection of the Crab Nebula pulsar, 23:20613
MILLER, J. Wesley Isotope effect for the diffusion of cadmium in lead, 23:47419 (AD-690206)
Isotope effect for the diffusion of cadmium in lead, 24:15413
MILLER, Jacques Measurement of π^{+-}-He scattering and its relation to pion form factor, 23:32602
MILLER, James E. Cesium-137 in man and his diet, 22:21496 (HASL-184, pp I.11-52)
Numerical determination of the absorption coefficient of the negative hydrogen ion, 22:996
Significance of ^{137}Cs in man and diet, 23:20224
MILLER, James R. C. For West Point's nuclear engineers: [reactor = computer], 25:6193
MILLER, James T. Jr. Coupling between the Poincare group and space—time or spacelike reflections on hyperplanes, 23:3767
Hyperplane independence of the scattering amplitude, 24:52240
MILLER, James W. Sur-pak and physical radiation protection survey of dental x-ray equipment in Maine, 21:12857
MILLER, James Winters Application of variational calculus to in-core reactor fuel management, 25:51131
MILLER, Jimmy Don Cross between irradiation-induced sericea mutant and nematode resistant lines, 25:16098
MILLER, John L. Jr. Replication of irradiated materials, 23:27018
MILLER, John M. Regional pulmonary function in metastatic carcinoma to the lung studied with ^{133}Xe, 25:19048
MILLER, John V. Characteristics of 2.17-MW fast-spectrum reactor concept, 24:16254 (N-69-40061)
Characteristics of a space-power nuclear reactor with considerations for venting or containing gaseous fission products, 23:2089 (N-68-30516)
Fast-spectrum, liquid-metal cooled nuclear reactor program for space-power applications, 22:39860 (N-68-18197)
Nuclear reactor heat sources for future power generation, 24:13535
Thermal conductivity of cermet fuel materials, 21:22911 (NASA-TN-D-3898)
MILLER, Jonathan P. Toxicologic evaluation of radio-pharmaceuticals, 24:34066
MILLER, Joseph S. Abundances in a halo planetary nebula, 23:48589
Optical object identified with x-ray source Cygnus X-2, 23:20621
Optical observations of the Crab Nebula pulsar, 23:39156
Photoelectric measurements of high-n Balmer lines in NGC 7027 and NGC 7662, 25:30078
Radial velocities and kinematics of galactic H II regions, 22:17307
Scanner observations of the Leo infrared object IRC + 10216, 24:39761
Use of [S II] lines to determine interstellar reddening, 23:5112
MILLER, Joseph Standard Radial velocity survey of H II regions, 22:29174
MILLER, Joshua Variations in rabbit antimouse lymphocyte sera caused by lymphocytes of differing origins in the immunizing inocula, 24:44445
MILLER, K. Stability of the complex angular-momentum continuation, 25:14834
MILLER, K. J. Dependence of generalized oscillator strengths of H_2O on momentum transfer, 25:55880
Fuel assembly performance in Piqua Core I, 22:44860
Postoperation evaluation of the Piqua Core-I fuel assemblies, 22:6026
Rydberg state of H_2O, 23:44184
MILLER, K. R. Analysis of ^{35}S and ^{75}Se in biological samples, 25:51393
MILLER, K. T. Dislocations, slip, and fracture in BeO single crystals, 22:1313
MILLER, Kenneth J. Born inelastic differential cross sections in H_2, 22:5053
Inapplicability of Born exchange scattering amplitude for He ($1^1S \rightarrow 2^1S$) transition, 22:43880
Variational principle for scattering with bounds on the phase shift, 25:14024
MILLER, L. /sup 99m/Tc sulfur colloid macroaggregates. A new lung-scanning agents, 25:24232
Combination of diffusion and convection for isotope separation, 23:11725
Liquid diffusion cascades, 25:48755
Optimized dual perturbation technique, 23:47309 (CNM-R-2(Vol.2), pp 1121-35)
MILLER, L. A. Mitochondrial resistance to massive irradiation in vivo. I, 21:13061
Mitochondrial resistance to massive irradiation in vivo. II, 21:13064
Radioinduced polymerization of styrene in presence of n-dibutyl disulfide, 24:4342
Using atomic radiation for wastewater treatment, 23:29097
MILLER, L. B. Asymmetry and local distortions of the flux due to gross heterogeneities in EBR-II, 24:7097
Calculation of Doppler coefficients, 24:28999
Characterization of EBR-II environment for testing cladding-swelling correlations, 25:41557
Conditional variances pertinent to Doppler effect studies, 24:52998
Detailed analysis of space-dependent phenomena, 24:33273
Distribution of gamma energy deposition in a fast reactor, 25:5970
Importance of discrete-ordinate ray effects in fast reactor design studies, 25:6159
Irradiation damage to reactor structure due to neutron streaming, 25:41382
Local modification of irradiation conditions, 25:26016 (ANL-EBR-35)
Local modification of irradiation conditions in EBR-II, 25:41550
Monte Carlo interpretation of ^{238}U spherical shell transmission, 23:15438
Monte Carlo interpretation of a ^{238}U spherical-shell transmission experiment at 23 keV, 23:4016
Performance of the EBR-II reactor, 24:33357
Recent studies of Doppler effect in heterogeneous systems, 22:32790
Variance in the Doppler coefficient due to statistical selection of resonance parameters, 23:37700
MILLER, L. D. Independent-particle-model energy-level formula, 24:1910
MILLER, L. E. Detection of free F in the atmosphere by ^{131}I radiotracer analysis, 21:15845
MILLER, L. F. Power flattening of in-core thermionic reactors, 22:6073
MILLER, L. G. Demonstration of the need for a high flux neutron beam in neutron radiography development, 24:5843
Hot sample changer and transfer cask for the nuclear explosion neutron source experiment, 23:7679
Neutron scattering cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 25:23035
Slowing of fission fragments in noble gases, 21:31806
Studies of unresolved resonances with a 2-keV neutron beam, 22:32588
Studies of unresolved resonances with a 2 keV beam, 23:15672 (ANS-RPD-1, Paper 5)
Technique to measure neutron cross sections in the low keV energy region, 22:26766
Variation with neutron energy of the yield of high kinetic energy fragments from ^{233}U, ^{235}U, and ^{239}Pu, 21:7769 (IN-1033)
Variation with neutron energy of the yield of high-kinetic-energy fragments from ^{233}U, ^{235}U, and ^{239}Pu, 21:31807
MILLER, L. O. Dosimetry using optical density changes in lif, 24:29586
MILLER, L. P. Influence of radioprotectors on the content of catecholamines in mouse tissues, 25:27017
MILLER, L. W. Local time behavior of the alignment and position of a stable auroral red arc, 24:26084
MILLER, Lanny Joe Nuclear shell model calculations for the first p shell, 23:1806
MILLER, Larry Day Yields and charge dispersion of antimony produced in uranium fission by medium-energy protons, 25:56757
MILLER, Laurence B. Monte Carlo analysis of reactivity coefficients in fast reactors, 22:1878 (ANL-7307)
MILLER, Laurence Bernard Effect of fuel diameter on Doppler temperature coefficient of reactivity in fast reactor systems, 22:14227
MILLER, Leo A. Radiosensitivity and biological properties of tumors. XI, 21:36510
MILLER, Leon L. Effect of whole body x irradiation on synthesis of proteins, 22:19258
MILLER, Lewis D. Luminescence, trapping, and F centers in lithium fluoride crystals, 24:42766
MILLER, Lewis S. Method of making a tack-free surface coating utilizing high energy radiation, 24:46251
MILLER, Lois A. Radiation safety surveys of x-ray facilities within the federal health programs service, 24:48570 (BRH/DEP-70-17)
Results of radiation safety surveys of x-ray facilities within the Bureau of Prisons and Federal Health Programs Service, 25:42502
System for the registration of radiation sources, 23:29550 (MORP-68-3)
MILLER, Lowell A. Potential role of radiation in wastewater treatment, 25:48523
Progress in the USAEC's program in process radiation, 24:31424
MILLER, Lowell S. Radiotherapy for carcinoma of the bladder, 21:22577
MILLER, M. Effects of irradiation on the changes in the immune response of aging mice, 25:6657 (CONF-691106-, pp 268-74)
Simplified method for determination of ^{59}Fe and ^{55}Fe in plasma using liquid scintillation counting, 23:11441
MILLER, M. A. Electromagnetic waves' diffraction on plasma formations, 22:36810 (N-68-22366)
Modeling flow processes of gas jets by means of plasma bursts, 21:44080
Reflecting characteristics of inhomogeneous plasma layers, 22:44146
Use of reciprocity relation in the problems of moving charge radiation, 22:43919
MILLER, M. B. New isotope ^{245}Cf, 22:14060
Nuclear properties of isotopes ^{256}103 and ^{257}103, 22:5833
Study of alpha-decay of 103^{256} and 103^{257}, 21:25506 (JINR-E7-3257)
Synthesis of 102 isotopes with mass numbers 254, 253, and 252, 21:1074 (JINR-P-2839)
Synthesis of einsteinium isotopes in reactions with nitrogen ions, 21:17364
Synthesis of element 102 isotopes with mass numbers 256 and 255 in reactions induced by O ions, 21:10001 (JINR-P7-3059)
Synthesis of Fm isotopes with mass numbers 247 and 246, 21:10000 (JINR-P7-3022)
Synthesis of Fm isotopes with mass numbers 247 and 246, 21:38353
Synthesis of isotopes of element 102 with mass numbers 254, 253, and 252, 21:30017
Synthesis of the isotopes of the element 102 in reactions with mass numbers with oxygen ions, 21:34003
MILLER, M. C. Large solid angle gas Cherenkov counter for electrons, 21:16124 (CONF-660918-, pp 199-200)
Nucleon isobar production in proton—proton collisions, 23:49047
Polarization of Σ^- in $\pi^- + p \rightarrow \Sigma^- + K^+$ at 1130 MeV/c, 23:18814
MILLER, M. D. Analysis of the 95-MeV proton—proton scattering data, 23:23499
Model dependence of α/sub nn'/ pp bremsstrahlung, and binding energy of nuclear matter, 24:3848
Nucleon—nucleon models, charge splitting, and the nucleon—nucleon data near 210 MeV, 23:15148
MILLER, M. G. Hard-meson current algebra and the breakdown of partial conservation of axial-vector current, 25:59443
Hard-meson current-algebra calculation of γ—3π amplitude, 25:59382
MILLER, M. M. Anti-correlation effects in quantum optics, 21:13655
Characteristic states of the electromagnetic radiation field, 21:9841
Nuclear airplane now, 25:18201
MILLER, M. W. Radiosensitivity of diploid and tetraploid plant species, 25:11020
MILLER, Marian ETC: FORTRAN IV program for computing multigroup P(0) and P(1) elastic transfer coefficients, 21:29838 (WANL-TME-1577)
MILLER, Marietta Changes in immune response of BCF_1/Anl mice with age, 23:45674 (ANL-7535, pp 101-2)
MILLER, Marshall S. Optimization of timing and positioning of the technetium brain scan, 23:6496
Strontium-90 in human bone from infancy to adulthood, 1962—63, 22:28520
MILLER, Martin J. Carcinoma of thyroid after external radiation, 24:17157
MILLER, Michael David Model dependence of the binding energy of nuclear matter, 25:12642
MILLER, Morton W. Effects of metals on cells, subcellular elements, and macromolecules. Proceedings of the 2nd conference on toxicity, Rochester, N. Y., June 12—16, 1969, 25:26608
Radiation dose fractionation, mitotic index, and multiple fixation studies on chromosome aberrations in Vicia faba, 25:13413
Radiosensitivity of gemmae of Lunularia cruciata, 23:16441
Statistical evaluation of Sparrow et al.'s relationship of D_0 to chromosome volume, 24:25593
MILLER, Myron Radioimmunoassay of vasopressin, 23:31679
MILLER, Myron H. Comparison of measured and predicted conditions behind a reflected shock, 24:15293
Measured Stark widths and shifts for neutral atomic lines, 24:23973
Measurements of the Stark broadening of Hγ, 23:44112
Relative transition probabilities for silicon, 23:22939
MILLER, N. Photohydration of uridine in RNA of coliphage R17. II, 24:23119
Voidage in liquid/gas two-phase flow systems, 24:29433
MILLER, N. C. Geometrical resonance effect in sputtered superconducting niobium, 25:19617
Testing of a cascaded thermoelectric module, 25:14082 (N-70-39764)
MILLER, N. E. Achieving uniform specimen temperatures in an irradiation capsule using heat pipes, 24:17327 (CONF-690910-, pp 157-64)
Assemblies for thermal and fast flux irradiation of (UPu)N fuels, 24:17391 (CONF-690910-, pp 637-51)
Continuous monitoring of fission gas release during irradiation of nuclear fuel specimens, 24:16736 (CONF-690910-, pp 281-95)
Hydrolysis of a borane cation derived from ethyl N,N-dimethylglycinate, 24:41265
MILLER, N. H. Failure prediction by lubricant analysis, 22:10140 (RFP-926)
MILLER, N. J. Main electron trough during the rising solar cycle, 25:7290
Winter characteristics of northern high-latitude ionosphere, 23:27455 (N-69-19180)
Winter characteristics of northern high-latitude ionosphere, 24:5091
MILLER, Nathan J. Magnetic and velocity effects on ionospheric electron current to cylindrical electrostatic probes, 21:39865 (NP-16939)
MILLER, Neil E. Capsule design for the irradiation of eight fuel specimens at each of three temperatures, 21:19799 (CONF-660511-, pp 4.3.1-8)
Refractory-metal thermocouples in nuclear and high-temperature applications, 23:8148 (BMI-X-10246)
MILLER, Nicholas Carl Correlation of drop sizes in a pulsed extraction column, 22:45142 (IS-T-259)
MILLER, Norma D. Visual recovery from brief exposures to high luminance, 23:2843
MILLER, Norman S. Antilocalization following minimal focal x irradiation, 21:24595
Antilocalization of cancer cells injected in irradiated area of rats, 24:27684
Comparative response to injected protein, 23:24552
High roentgen exposures and antilocalization of skin-injected protein, 24:25568
MILLER, O. A. Absolute dosimetry of high intensity, 600 kV pulsed electron accelerator used for radiation chemistry studies of gaseous samples, 25:51915
Burn-up determination in fuel elements of the Novo-Voronezh Atomic Power Plant, 24:1959
Dosimetry of very high intensity pulsed electron sources. II, 23:47849
Effect of temperature on yields in the radiolysis of nitrous oxide with high intensity electron pulses, 24:36320
Effect of the migration of the fission products on the measurement of the burnup in fuels, 22:7930
Energy deposition rates in Zircaloy-2 and graphite in NRX reactor, 21:14063 (AECL-2632)
Experimental and calculated yields in the radiolysis of water at very high dose rates, 23:35200
Fuel element burn-up determination with semiconductor Ge γ spectrometer, 21:21805

- Investigation of Pu isotopes build-up in Novo-Voronezh APS fuel, 25:28532
- Low pressure anomalies in the dosimetry and radiolysis of gases, 24:9352
- Primary yields and mechanism in the radiolysis of gaseous ammonia, 23:35234
- Radiation chemistry of carbon monoxide at very high dose rates, 25:2287
- Radiolysis of cyclohexane, 23:47489
- Radiolysis of hydrogen sulfide at very high dose rates. The effect of SF$_6$, 25:41860
- Radiolysis of water vapor with fission fragments, 23:6177
- Re-examination of the yields in the high dose rate radiolysis of gaseous ammonia, 25:48553
- Reactor coolant γ-spectra in Novo-Voronezh, 23:37388
- Technical feasibility of applying the safeguards system to atomic power stations using water-cooled and moderated power reactors, 25:21309
- MILLER, Orlando J. Autoradiography in human cytogenetics, 25:21534
- MILLER, Orlando P. Comparison of ^{45}Ca and ^{14}C-proline as indicators of bone metabolism, 21:6417
- MILLER, P. C. Comparison of measurements and calculations of neutron spectrum in LIDO experimental shields, 23:13532 (AERE-R-5773(Vol.2), pp 571-96)
  - Methods of calculation for the design of internal axial shields in advanced gas-cooled reactors, 23:13482 (AERE-R-5773(Vol.5), pp 1400-38)
  - Methods of calculation for the treatment of shield heterogeneities in the prototype fast reactor, 23:13469 (AERE-R-5773(Vol.3), pp 802-33)
  - Techniques for calculating the penetration of radiation in ducts and voids, 23:13463 (AERE-R-5773(Vol.3), pp 600-26)
- MILLER, P. D. Boron-11(^{3}He,d)^{12}C spectroscopic factors, 24:1757
  - Elastic scattering of ^{3}He particles by ^{9}Be and ^{11}B between 4.0 and 18.0 MeV, 23:49344
  - Electric dipole moment of neutron, 23:25498
  - Helium-3 elastic scattering from ^{10}B and ^{14}C, 24:52423
  - Investigation of the ^{9}Be(^{3}He,p)^{11}B reaction at low energies, 21:4210
  - Limit to the electric dipole moment of the neutron, 21:37658
  - New technique for j-value determinations, 25:53481
  - Proton particle-hole states in ^{116}Sn, 21:44723
  - Reaction ^{14}C(tau,α_0)^{13}C at 6.0, 8.0, and 10.0 MeV, 25:38905
  - Reaction ^{39}K(^{3}He,p)^{41}Ca and two-particle, one-hole states, 21:9994
  - Study of proton particle-hole states in ^{40}Ca by reaction ^{39}K(^{3}He,d)^{40}Ca, 22:9835
  - Upper limit for the electric dipole moment of the neutron, 22:37110
- MILLER, P. H. New high-efficiency time-of-flight system, 24:9689
- MILLER, P. H. Jr. Fourier analysis of thermal neutron time-of-flight data. I, 24:5925
  - Fourier analysis of thermal neutron time-of-flight data. II, 24:9677
  - New high-efficiency neutron scattering system, 22:32453
  - Prog. rpt. on controlled thermonuclear research program, 7—12/67, 23:5369 (GA-8526)
  - Prog. rpt. on controlled thermonuclear research program, annual, 7/67—7/68, 23:20879 (GA-9003)
- MILLER, P. Rex Electrical power systems for space: achievements and issues, 25:57671
- MILLER, P. S. Bismuth-209 ground-state analog in ^{209}Po, 25:10045
  - Charge exchange in medium mass nuclei as observed by (p,nanti p) reaction, 25:23008
  - Neutron imaginary potential in (p,n) charge exchange reaction, 23:11015
- MILLER, Park H. Jr. Method and apparatus for modulating the density of a beam of particles and determining the velocity distribution of the particles, 25:25615
- MILLER, Paul D. Corrosion of construction materials in boiling 13M nitric-0.1M hydrofluoric acids, 21:34857 (BMI-X-434)
  - Corrosion resistance of nickel and two nickel alloys to gaseous bromine, 22:15140 (BMI-X-489)
  - Intergranular modifications in nickel from the fluidized-bed fluoride volatility process, 21:13102 (BMI-X-417)
  - Off-gas filter plugging in primary reactor of fluidized-bed fluoride volatility process, 22:14557 (BMI-X-490)
- MILLER, Pauline A. Phage—host relationships in Corynebacterium diptheriae, 22:593
- MILLER, Peter S. Proton decay of isobaric analogue states from (p,n) reaction in nuclei with A = 67 to 125, 23:19203 (PUC-937-339)
- MILLER, R. Data Disc control graphics 8, 24:18813 (COO-1469-152)
  - Graphics 8: graphics hardware, 1469 gear, 24:18812 (COO-1469-151)
  - Interstitial transfer in sodium systems, 25:4773
  - Meson states in π^{+}d reactions at 2.7 GeV/c, 22:41733 (COO-1428-70)
  - Particle dynamics, 25:50224
  - Reaction π^{+}d $\longrightarrow$ d$\pi^{+}\pi^{+}\pi^{-}$ at 2.7 GeV/c, 22:41738 (COO-1428-83)
- MILLER, R. A. Gamma-activation method for quantitative determination of N and P in modified cellulose, 24:29237
  - Numerical study of Regge cuts due to absorption in neutral-pion photoproduction, 24:42919
  - Stress corrosion of beryllium in synthetic sea water, 21:13116
- MILLER, R. C. Dynamic proton polarization in butanol water below 1 K, 23:44776
  - Hydrocarbon proton polarized target, 21:37974
  - Magnetic studies of SnTe—MnTe, 24:23909
  - Paraxial charged-particle motion in varying, electric and magnetic fields, 22:1370
  - Superconductivity in spinels CuRh$_2$S$_4$ and CuRh$_2$Se$_4$, 22:9237
  - Vacancies and superconductivity in titanium monoxide, 22:29437
- MILLER, R. D. Equilibrium solutions of magnetohydrodynamics with azimuthal symmetry, 22:13309 (67-C-102)
  - Generation and motion of plasmoids in a magnetic field with mirrors, 22:36932
  - Measured energy loss of high-energy electrons in Al, 23:34259
- MILLER, R. E. Analysis of the pure rotational absorption spectra of hydrogen sulfide and deuterium sulfide, 23:13708
  - Excitation of auroral green line by dissociative recombination of O$_2^{+}$, 22:41443 (N-68-18220)
  - Excitation of the auroral green line by dissociative recombination of the oxygen molecular ion: analysis of two rocket experiments, 22:41450
  - Infrared spectrum of deuterium sulfide, 21:17623
  - Magnetic transitions of superconducting thin films and foils. II, 22:44057
  - Magnetic transitions of superconducting thin films and foils. I, 22:44058
  - Measuring the thermal conductivity of irradiated foam-type insulation materials, 21:44007
  - Observations on pulsating auroras, 25:45385
  - Raman spectra of polycrystalline H$_2$S and D$_2$S, 22:48864
  - Rocket studies of far-ultraviolet radiation in an aurora, 22:31703
- MILLER, R. G. Differentiation of rosette-forming cells from myeloid stem cells, 24:48442
  - Semiconductor detector as a fast neutron spectrometer, 21:10660
- MILLER, R. G. J. Crosslinking of polypropylene, 21:5918
- MILLER, R. G. Jr. Counting times in the measurement of radioactivity, 23:9707
- MILLER, R. H. Absorption of ^{144}Ce and ^{90}Sr by excised roots, 23:41215
  - Beam break-up at SLAC, 21:46617 (SLAC-PUB-350)
  - Beam break-up experiments, 21:2549 (SLAC-PUB-224)
  - Electron gun for the Stanford two-mile accelerator, 21:37999
  - Interpretation of color—magnitude diagrams of M67 and NGC 188, 23:20568
  - Numerical experiments on spiral structure, 24:46962
  - Pair correlations in stellar systems, 25:27321
  - Positional correlations of nearby stars, 21:31139
  - Reactions of ^{144}Ce in humic acid and bentonite, 24:2257
  - Recent beam performance and developments at SLAC, 23:28008
  - Recent beam performance and development at SLAC, 23:34685 (SLAC-PUB-563)
  - Recent developments at SLAC, 22:37234 (SLAC-PUB-420)
  - Recent ideas on upgrading SLAC accelerator, 25:50425
  - Stability of a disk galaxy, 24:35117 (COO-614-74, Sect. III C)
  - Stellar dynamics in a discrete phase space, 22:17244
  - Surface photometry of NGC 3115, 22:41238
- MILLER, R. I. Fissiochemical reaction of nitrogen with carbon monoxide, 21:36000
  - Prog. rpt. on fissiochemical development, semiannual, 7—12/65, 21:10368 (AGN-8178)
- MILLER, R. J. Breakdown of vector dominance relation between rho^{0}, ω production, and polarized photoproduction, 23:14993
  - Decay properties of D^{0} meson, 24:37648 (COO-1428-224)
  - Enhancement in the $\pi^{-}\pi^{+}$ system at M = 1.05 GeV, 23:3644
  - Four-charged-particle final states from the interaction of 2.7-GeV/c π^{+} on deuterium, 23:23383
  - Hydrogen dissociation pressure of system Ca—La—H, 23:48430
  - K^{-}p elastic scattering at 14.25 GeV/c, 25:19912
  - Non-annihilation channels in anti pp interactions near centre of mass energy 2200 MeV, 25:50062
  - Reaction π^{+}n $\longrightarrow$ K^{+}K^{-}p at 2.7 GeV/c, 24:12949
  - Search for epsilon^{0}-meson, 22:11595
  - Study of D^{0} $\longrightarrow$ π^{+-}delta^{-+} and delta^{-+} $\longrightarrow$ π^{-+}eta in the reaction π^{+}d $\longrightarrow$ p/sub s/pD^{0} at 2.7 GeV/c, 23:27747 (COO-1428-117)
  - Study of D^{0} $\longrightarrow$ π^{+-}delta^{+-} and delta^{+-} $\longrightarrow$ π^{+-}eta in the reaction π^{+}d $\longrightarrow$ p/sub s/pD^{0} at 2.7 GeV/c, 23:34544
- MILLER, R. L. Conducting fluid flow past a flat plate in the presence of transverse magnetic field, 21:20834
  - DEC PDP-8 interface to IBM 2701 PDA, 24:29114 (COO-1469-153)
  - Ductility of ultrafine-grain alloys, 25:16487
  - Fast-rise pulsed solid-state injection laser system, 22:22914 (SCL-DR-68-11)
  - Metallography of the 300 series stainless steels exposed to high temperature sodium, 25:58174
  - Sodium corrosion of potential LMFBR materials, 23:4234
  - Sodium corrosion of Westinghouse liquid metal fast breeder reactor (LMFBR) materials, 25:2619
  - Sodium corrosion tests on materials for specialized applications in LMFBRs, 25:40001
- MILLER, R. P. Some phase relationships within the system Na$_2$O/B$_2$O$_3$/Nb$_2$O$_5$, 22:21773
- MILLER, R. R. High-temperature properties of alkali metal vapors, 21:43595
  - Instability of refractory metal thermocouples, 21:6336
- MILLER, R. S. EEI-Westinghouse Plutonium Recycle study program, 22:6022
  - Operating experience with Saxton Reactor partial Pu core II, 23:10303
  - Prog. rpt. on reactor operation, quarterly, 9/30/67, 22:7802 (EURAEC-1923)
  - Recycle of ceramic and cermet fuels using cold binder extrusion, 22:49799
  - Saxton overpower test, 24:7021
- MILLER, R. W. Carbon impurity in UO$_2$ and its effects on cladding swelling during power bursts, 25:49570 (IN-ITR-115)
  - Effects of burnup on fuel failure. I, 25:51090 (IN-ITR-113)
  - Effects of burnup on the reactivity accident, 24:7183
  - Nuclear and fast transient aspects of Pu particle size, 23:37540
  - Power bursts in Zircaloy-2-clad UO$_2$ fuel rods, 23:37546
  - Response of UO$_2$ fuel rods to power bursts, 25:51085 (IDO-ITR-103)
  - Subassembly Test Program outline for FY 1969 and 1970, 23:47268 (IN-1313)
- MILLER, Reid C. Temperature profiles and energy balances for an inductively coupled plasma torch, 24:8478
- MILLER, Richard A. Extraction of teeth after cancericidal doses of radiotherapy to the head and neck, 22:47613
  - Great post-limb event, 3/2/66, 22:13170
  - Unusual rotation of a sunspot Sept. 30 to Oct. 8, 1969, 25:27375
- MILLER, Richard C. Quinethazone photosensitivity dermatitis, 21:20412
- MILLER, Richard G. Masses and excitation energies of some proton-rich nuclei, 21:9955 (AD-642000)
  - Masses and excitation energies of some proton-rich nuclei, 21:12003
- MILLER, Richard Graham Mass measurements of some proton-rich nuclei, 21:7762
- MILLER, Richard H. Color—magnitude diagrams of NGC 2360 and NGC 3680, 24:17483
  - Experimental method for testing numerical stability in initial-value problems, 22:17262
- MILLER, Richard S. Cermet and ceramic fuel element, 22:39834
- MILLER, Robert Alan Numerical study of Regge cuts due to absorption in neutral pion photoproduction, 25:43601
- MILLER, Robert C. Jr. Double-strand scissions in bacteriophage T4 DNA, 24:34045
  - Early intracellular events in the replication of T4 bacteriophage DNA. VII, 24:34044
  - Early intracellular events in the replication of bacteriophage T4 deoxyribonucleic acid. V. Further studies on T4 protein-deoxyribonucleic acid complex, 25:26570
- MILLER, Robert E. Nuclear testing and the Nevada Operations Office, 24:347
  - Safety responsibilities of Nevada Operations Office, 23:45427 (NVO-40(Rev.2), pp 1)
- MILLER, Robert J. Eye findings in survivors of Hiroshima and Nagasaki, 23:29711
  - Lens findings in atomic bomb survivors: a review, 22:36376
- MILLER, Robert Joseph Final states from interaction of 2.7-GeV/c π^{+} on deuterium, 24:12951
- MILLER, Robert P. Pulmonary scanning in bronchogenic carcinoma, 23:31841
- MILLER, Robert W. Cancer mortality among a group of underground metal miners, 21:14735
  - Delayed radiation effects among Japanese survivors of atomic bombs, 24:9908 (CONF-690303-, pp 307-17)
  - Delayed radiation effects in atomic-bomb survivors, 24:7975
  - Epidemiological conclusions from radiation toxicity studies, 25:24434
  - Epidemiology of human leukemia: recent observations, 21:26506
  - Radioactivity in the individual: effects of ionizing radiation from atomic bomb on Japanese children, 22:28565
  - Search for late radiation effects among men who served as x-ray technologists in the US Army during World War II, 24:42011
- MILLER, Roger H. Measurements of SLAC injector emittance, 21:2548 (SLAC-PUB-223)
  - Resonant cavity-type monitor for measuring the bunch length of a beam of charged particles in a particle accelerator, 22:29827
- MILLER, Roy M. Calcium hydride—rare earth hydride solid solutions, 21:19589 (TID-22570)
- MILLER, S. Two critical velocities in superfluid helium, 22:50100
- MILLER, S. A. Fluorescence and energy transfer between Nd^{3+} and Yb^{3+} in LaF$_3$, 22:5054
  - Infrared dispersion and lattice vibrations of LaF$_3$, 22:37042
  - Optical absorption and fluorescence spectra of Dy^{3+} in LaF$_3$, 22:24462
- MILLER, S. H. Literature survey on in-pile mechanical properties, 23:11354 (KAPL-3453)
- MILLER, Sherwood P. Soft-tissue sarcoma, 24:21260
- MILLER, Sidney I. Kinetics, isotope rate effect, and mechanism of dehydrobromination of cis-1,2-dibromoethylene with triethylamine in dimethylformamide, 23:9383
- MILLER, Stanley L. Deuteriohydrates of cyclopropane, 23:33170
- MILLER, Suzanne H. Studies of recovery of erythropoiesis after irradiation as a function of the cellularity of the endocolonized spleen, 25:19125
- MILLER, T. A. Blood loss during hookworm infection, determined by erythrocyte labeling with radioactive ^{51}Cr. I, 21:22321
  - Development of an x-irradiated vaccine for ancylostomiasis, 24:12011
  - Effect of route of administration of vaccine and challenge on the immunogenic efficiency of double vaccination with irradiated Ancylostoma canium larvae, 21:11159
  - Einstein A coefficients for 18 cm transitions of OH, 21:28874
  - Fine structure and diamagnetic Zeeman effect in He(4^{3}P), 25:38142
  - Immunity of dogs to A. braziliense infection following vaccination with x-irradiated larvae, 21:28638
  - Immunogenic efficiencies of normal and x-irradiated A. caninum larvae in dogs, 21:16514
  - Irradiated canine hookworm vaccine, 24:50783

- Transfer of immunity to A. caninum infection in pups by serum and lymphoid cells, 22:14939
- Use of irradiated larval vaccines, 22:52085
- MILLER, T. G. Correcting experimental fast-neutron polarization data, 24:30674
  - Improvements in neutron polarimeter, 21:10711
  - Low temperature response of some scintillators, 24:4455
  - Measurement of pulse shape discrimination parameters for several scintillators, 22:36047
  - Measurement of response of several organic scintillators to electrons, protons, and deuterons, 22:49087
  - Neutron—deuteron elastic scattering, 24:52381
  - PMS1: FORTRAN Monte Carlo code for correcting experimental fast-neutron polarization data, 24:8797 (CTC-9)
  - Polarization of neutrons from the ^{11}B(d,n)^{11}C reaction at 2 MeV, 24:15810
  - Polarization of neutrons from the ^{9}Be(d,n)^{10}B reaction, 24:35819
  - Scattering of 3.2 to 4.2 MeV polarized neutrons by carbon using a diamond scintillator, 23:15384
  - Technique for measuring light output and decay time vs wavelength for scintillators, 24:39230
- MILLER, T. M. Mobilities of mass-identified H_3^+ and H^+ ions in H, 22:38791
  - Reactions of H^+ in H_2 and D^+ in D_2, 22:41376
- MILLER, Terry A. Hyperfine interactions in gas phase electron resonance spectrum of $^{33}S^{16}O$, 22:11217
- MILLER, V. V. Achromatization of particle beams for the case in which the magnetic analysis precedes the limiting of the beam, 25:22928
  - Approximation method for the calculation of magnetic lens systems for particle focusing, 21:23380
  - Concerning achromatization of beams of particles when magnetic analysis precedes limitation of beam, 24:13220 (ITEF-702)
  - Focusing and mass separation of high-energy particles, 24:22046
  - Magnetic focusing system with compensated dispersion, 25:22929
  - Small specimen method for determining the mean half-life of thermal neutrons, 21:19573
- MILLER, V. Ya. Linear proton accelerator I-2. VII, 22:32416
- MILLER, W. A. Reactor HIFAR: main light water pump circuits, 24:2011 (AAEC/M-16)
- MILLER, W. C. Simple beam positioning system for low energy electrons, 22:20382
- MILLER, W. E. Compact pyrochemical processes, 22:21168
  - Compact pyrochemical processes, 22:23107
  - Compact pyrochemical processes, 22:33528
  - Compact pyrochemical processes, 22:51063
  - Compact pyrochemical processes, 23:17543
  - Corrosion-resistant heated transfer tubes for molten metals and salts, 23:980
  - Design and application of corrosion-resistant heated transfer tubes for liquid metals and salts, 23:29037 (ANL-7522)
  - EBR-II plant equipment for oxidation of melt refining skulls, 22:4414
  - EBR-II skull reclamation process, 23:38056
  - EBR-II skull reclamation process. III, 22:12397 (ANL-7338)
  - Fusible metal seals in process equipment, 21:6105
  - Multistage contactors for liquid metal-salt extraction, 23:38041
  - Preparation of first Mark IA fuel alloy for EBR-II, 23:18191 (ANL-7474)
  - Retorting unit for recovery of uranium from zinc—magnesium solutions, 23:43378 (ANL-7503)
  - The EBR-II skull reclamation process. Part V. design and development of plant-scale equipment, 25:23642 (ANL-7772)
- MILLER, W. F. Computer systems for data analysis, 21:17207 (CONF-660918-, pp 296-8)
  - Hardware and software for effective man-machine interaction in the laboratory, 23:28666 (SLAC-PUB-573)
  - Picture calculus, 22:10595 (SLAC-PUB-358)
  - System design CRT film scanning and measuring, 21:26155 (SLAC-PUB-300)
- MILLER, W. G. Beryllium oxide as a thermoluminescent dosimeter, 23:4850
  - Millirad and megarad dosimetry with LiF, 22:12660
  - Radiation dosimetry by optically-stimulated luminescence of BeO, 24:33951
- MILLER, W. H. Classical S-matrix, 25:9227
  - Collisional quenching of metastable hydrogen atoms, 25:52658
  - Field-expedient incinerator, 22:21229 (AD-664118)
  - Molecular Ramsauer—Townsend effect in very low energy ^{4}He—^{4}He scattering, 25:52672
- MILLER, W. J. Decay properties of D^0 meson, 24:37648 (COO-1428-224)
  - Effects of dietary EDTA and Cd on absorption, excretion, and retention of orally administered ^{65}Zn in tissues of goats and calves, 22:10698
  - Effects of high but nontoxic levels of zinc in practical diets on ^{65}Zn and zinc metabolism in holstein calves, 24:46566
  - Mixing angle eta-eta' of -24° from Regge-model fit to cross sections, 24:37778 (COO-1428-214)
  - Stable zinc and ^{65}Zn metabolism in normal calves, 22:28359
  - Study of $D^0 \rightarrow \pi^{+-}$delta^{-+} and delta$^{-+} \rightarrow \pi^{-+}$eta in the reaction π^+d $\rightarrow$ p/sub s/pD^0 at 2.7 GeV/c, 23:27747 (COO-1428-117)
  - Study of $D^0 \rightarrow \pi^{+-}$delta^{+-} and delta$^{+-} \rightarrow \pi^{+-}$eta in the reaction π^+d $\rightarrow$ p/sub s/pD^0 at 2.7 GeV/c, 23:34544
  - Zinc deficiency per se and of dietary Zn level on urinary and endogenous ruminants fecal excretion of ^{65}Zn, 21:14573
  - Zinc metabolism in farm animals, 25:51980
- MILLER, W. N. Creep strength of U, 21:26816
  - Sagging of bars of uniform circular cross section, 22:15199
- MILLER, W. P. Direct NAA method for determination of gold in serum and urine specimens of patients with rheumatoid arthritis, 21:35856
  - Use of neutron activation analysis in the early diagnosis of cystic fibrosis in children, 21:6566
- MILLER, W. R. Environmental radioactivity data, 24:2663
  - Proportional water sampler, 24:18834 (ORNL-TM-2839)
- MILLER, W. Stacy Aspirin and uv-induced erythema in man, 21:34711
- MILLER, W. V. Some lanthanide complexes of cyclic amides, 23:11494
- MILLER, W. W. Characteristic x-rays and their utilization in activation analysis, 23:13677
  - Multiple sample irradiator for pool reactors, 21:38676
- MILLER, Wade N. Scintillation scanning for bone involvement by squamous cell carcinoma of oral mucosa, 24:17107
- MILLER, Walter J. Nuclear reactor plant availability, 21:15722
- MILLER, Walter L. Increased efficiency in liquid scintillation counting, 21:15872
- MILLER, Warren V. Amides as ligands. X, 23:2276
- MILLER, Warren W. Activation analysis of mono- and oligonucleotides, 21:34236
  - Chemical processes following neutron capture in tetramethylsilane, 23:9436
- MILLER, Willard Jr. Lie theory and special functions, 23:51965
- MILLER, William E. Electron irradiation of polyethylene terephthalate insulated ribbon wire, 21:13298 (N-66-19036)
  - Transmission and backscatter coefficients of 1.0 to 3.0 MeV electrons incident on some metals and alloys, 25:2883 (N-70-25499)
  - Transmission and backscatter of 0.075 to 1.0 MeV electrons by Al and stainless steel, 22:41291 (N-68-17898)
  - Voltage breakdown due to proton irradiation in polymeric materials, 23:30199 (N-69-10066)
- MILLER, William G. Beryllium oxide as a thermoluminescent dosimeter, 23:2658 (AD-670591)
  - Electron x ray and gamma-ray megarad dosimetry with colored plastic, 23:31559 (AD-684772)
  - Lithium fluoride for megarad dosimetry, 21:32484 (USNRDL-TR-67-56)
  - Quality and LET dependence of three thermoluminescent dosimeters, 23:31556 (AD-682198)
- MILLER, William H. Classical S matrix for rotational excitation: quenching of quantum effects in molecular collisions, 25:43156
  - Classical S matrix: numerical application to inelastic collisions, 24:49034
  - Coupled equations and minimum principle for collisions of an atom and a diatomic molecule, including rearrangements, 23:12576
  - Distorted-wave theory for collisions of an atom and a diatomic molecule, 22:50008
  - Evaluation of minima in total neutron cross section by transmission of fission spectra through thick samples, 25:56650 (COO-2049-5)
  - Final-state interactions in collisions of an atom and a diatomic molecule, 23:12587
  - Improved equation for lower bounds to eigenvalues, 23:25160
  - Possibility of extracting anisotropy parameters from the M dependence of total cross-section measurements, 23:32175
  - Possibility of extracting anisotropy parameters from total cross-section measurements. II, 23:32176
  - Resonances in the scattering of electrons from atoms, 21:592 (AD-629001)
  - Resonances in the scattering of electrons from atoms, 21:7019
  - Semiclassical approximation for the total cross section of atom—diatomic-molecule collisions; quenching of glory undulations, 23:22897
  - Semiclassical theory of atom—diatom collisions: path integrals and the classical S matrix, 24:49019
  - Semiclassical treatment of multiple turning-point problems: phase shifts and eigenvalues, 22:26261
  - Statistical model for molecular collisions, 24:21595
  - Theoretical treatment of Penning ionization, 24:47033
  - Theory of Penning ionization. I. Atoms, 24:32661
  - Uniform semiclassical approximation for the elastic scattering amplitude, 22:29285
  - Uniform semiclassical approximations for elastic scattering and eigenvalue problems, 22:17405
  - WKB solution of inversion problems for potential scattering, 24:3175
- MILLER, William Joseph Many body final states from π^+d interactions near 3 GeV/c, 25:59282
- MILLER, William P. Neutron activation analysis of stable dysprosium biologically deposited in the bone of Chinook salmon fingerlings, 22:4019
- MILLER, William R. Linear responsive molten metal level detector, 22:10666
- MILLER, William R. Jr. Electron spin resonance studies of hydroxysemiquinone radicals, 23:37953
- MILLER, William Robert Jr. Characteristic electron energy losses in layered metallic thin films, 21:18839
- MILLER, Wilmer G. Effect of conformation on isotopic exchange in synthetic polypeptides, 25:10567
- MILLER, Yu. M. Mass spectrometric determination of calcium isotope variations, 22:14465
- MILLERET, G. Study of actual scattering from measurements by a type-AISC neutron detector by comparison among three sections, 22:45295
- MILLER-FAURES, A. Action of ultraviolet rays on bacteriophage lambda, 22:40560
- MILLER III, J. J. Radiation resistance of long-lived lymphocytes and plasma cells, 21:14705 (AD-644116)
- MILLER III, John J. Radiation resistance of long-lived lymphocytes and plasma cells in mouse and rat lymph nodes, 22:436
- MILLERO, Frank J. Isothermal compressibility of deuterium oxide at various temperatures, 25:15593
- MILLERON, M. N. Tests of pumps, mass filters, He detectors and fail safe vacuum components for the Omnitron Accelerator, 22:16830
- MILLERON, N. Cryopumping the Omnitron ultra-vacuum system using heat pipes and metallic conductors, 23:28169
  - Measurement of Omnitron cryopumping and outgassing by 10^{-14}-torr pulse-counting mass filter, 23:37055
  - Ultrahigh vacuum seal, 21:32360
- MILLERON, Norman Evaluating ultra vacuum pumping and outgassing by counting ions or measuring ion currents, 22:43021 (UCRL-18213)
  - Measurement of omnitron cryopumping and outgassing by 10^{-14} torr pulse counting mass filter, 22:37965 (UCRL-17845)
  - Vacuum pumping method and apparatus, 22:30816
  - Vacuum techniques for accelerators and storage rings, 21:29679 (UCRL-17296)
- MILLERON, P. F. Calculation of the magnetic properties of superconducting vanadium, 21:29158
  - Entropy and specific heat of a superconductor in the mixed state, 21:39952
  - Field penetration in a semi-infinite type-I superconductor, 23:32271
  - Structure of vortex normal to surface of a superconductor in arbitrary magnetic field, 25:40536
  - Thermodynamics of Type-II superconductors, 25:19594
- MILLERS, A. Applications of ionizing irradiation in agriculture, 22:33981
  - Gamma radiation effects on sugar content in sugar beets, 22:23677
- MILLET, J. Effect of electron—cesium ion radiative recombination on the intensity of spectral lines of cesium, 21:37424
  - Electrochemical properties at high temperatures of the system zirconia—neodymium oxide, 22:23832
  - Fabrication and properties of lanthanide tungstates, 25:35529
  - High temperature ceramic conductors and insulators, 25:8936
  - Physico-chemical properties of solid binary electrolytes, 23:21700
- MILLET, Jacques Determination of the electric semi-conduction in the binary oxide zirconia—cerium oxide, 22:17210
- MILLET, M. Perspiration test by neutron activation, 23:33161
- MILLET, Marcel Determination of iron absorption and excretion by whole-body counting, 23:50269 (CEA-R-3542)
- MILLET, P. Behavior of cans and centering devices, 25:8857
  - High-temperature embrittlement of binary Mg—Zr alloy by hydrogenation, 25:8874
  - Improved fuel elements for gas-cooled, graphite-moderated, natural U reactors, 25:54091 (A/CONF.49/P-608)
  - Internal oxidation in Mg—Zr alloy in contact with carbon dioxide, 25:55382
  - Magnesium—Zr—Pb alloys of Pb concentrations below or equal to 3 percent, 25:19228
  - Structural and mechanical properties of sintered magnesium products at elevated temperatures, 22:7059
  - Structural change in sintered Mg—Zr alloy after holding at high temperature, 25:55548
- MILLET, Pierre Decomposition by H of a Zr—Pb intermetallic compound in Mg—Pb—Zr alloy, 23:18241
  - Decomposition of zirconium hydride and precipitation of Zr and Al diffusion in Mg—Zr alloy, 24:34918
  - Emission spectrum from alpha-irradiated nitrogen, 24:44981
  - Mechanisms of post-luminescence of nitrogen irradiated by alpha particles, 24:51393 (NP-18425)
- MILLETT, Merrill A. Modification of cellulose fine structure: effect of thermal and electron irradiation pretreatments, 21:3108
- MILLETT, W. E. Correction of moment method for finite range of integration and its application to lifetime analysis, 22:46847
  - Effect of cyclic deformation on positron lifetimes in copper and aluminum, 23:20680
  - Resolution functions for cylindrical geometry, 23:7748
- MILLEUR, Mac B. Hyperfine splitting of interaction energy in H + D and in D + D, 22:43872
- MILLEVILLE, B. J. Valve designs and materials for LMFBR, 24:32367
  - Valves for liquid-metal service, 24:52907
- MILLEY, D. C. Commissioning and operating experience with Canadian nuclear-electric stations, 25:53928 (A/CONF.49/P-148)
- MILLHEIM, K. Sandstone continuity in the Mesaverde Formation, Rulison field area, N. W. Colorado, 25:21157 (PNE-R-37)
- MILLHOLLEN, M. K. Advances in FTR fuel subassembly design, 22:32986
  - Effect of flowing sodium on 304 SS fuel cladding, 24:6172
  - FFTF fuel element design, 21:27797 (BNWL-SA-1066-S)
  - FFTF fuel element design, 22:27461 (BNWL-SA-1066)
  - FFTF fuel-element design, 21:38697
  - FTR fuel subassembly process development, 23:27143 (BNWL-SA-1962)
  - Mark I prototypic FTR fuel element subassembly Na flow test, 24:23428 (BNWL-1261)
  - Molten fuel irradiation tests, 21:20595 (CONF-660511-, pp 3.2.1-5)
  - PNL-17: EBR-II instrumented subassembly test. Interim report, 24:38471 (BNWL-1424)
  - Proposal to irradiate unencapsulated instrumented fuel pins in EBR-II, 24:43750 (BNWL-1420)
  - Sodium flow test of 7-rod cluster in sodium components evaluation loop (SCEL), 24:2875 (BNWL-1075)
  - Subchannel coolant temperatures of EBR-II instrumented subassembly PNL-17(XX02), 25:6027

- MILLHOUSE, A. H. Isothermal phase transformations in Cerium metal at 80°K, 21:20520 (TID-22457)
  - Magnetic properties of Er-based binary rare earth alloys, 25:5207
  - Magnetic properties of fcc rare earth—thorium alloys, 22:15587
- MILLHOUSE, Arthur Holmes Magnetic properties of binary rare earth alloys, 24:1484 (TID-25248)
  - Magnetic properties of binary rare earth alloys, 25:7480
- MILLIARD, J. Magnetic detection of Hall currents, 22:5432
- MILLIAT, J. P. Status of Na technology in France, 23:47152 (ANL-7520(Pt.2), pp 20-3)
  - Test facility for sodium-heated steam generators, 25:13143
  - Test loop for generators of hot sodium vapor (C.G.V.S. 50 MW(th)), 25:51669 (A/CONF.49/P-812)
- MILLIAT, J.-P. High-power test loop for sodium-heated steam generators, 24:52954
- MILLIES, P. Continuous measurement of deformation during in-pile irradiation, 23:17816 (CEA-CONF-1117)
  - Continuous measurements of deformation during in-reactor irradiation, 23:41090 (BNWL-tr-37)
  - Developments in irradiation capsule technology, 21:19808 (CONF-660511-, pp 1.2.1-73)
  - Experimental devices for fast irradiations, 24:41050 (TRG-Report-1911, pp 310-37)
  - Irradiation facilities for specialized research, 25:54184 (A/CONF.49/P-593)
- MILLIES-LACROIX, Jean-Claude Beta spectrum of the $1^- \rightarrow 2^+$ transition of ^{170}Tm, 21:29984
  - Nuclear matrix elements of $\beta(1^- \rightarrow 2^+)$ transition of ^{170}Tm, 23:8989
- MILLIEZ, Paul Radioimmunoassay for antidiuretic hormone, 24:34172
- MILLIGAN, Dolphus E. Matrix-isolation study of reaction of atomic and molecular fluorine with carbon atoms, 22:23017
  - Matrix-isolation study of the vacuum-ultraviolet photolysis of methyl chloride and methylene chloride. Infrared and ultraviolet spectra of the free radicals CCl, H_2CCl, and CCl_2, 24:50371
- MILLIGAN, J. H. Jr. Thermodynamic properties of dilute alkali metal plasmas, 22:26411
- MILLIGAN, John H. Jr. Thermodynamic properties of the alkali metals considered as dilute plasmas, 21:2262
- MILLIGAN, W. O. Comparative studies on lanthanides and actinides, 24:29176 (CONF-700502-, pp 464-75)
  - Conference on chemical research, Houston, 12/67. XI, 23:30296
  - Crystalline americium trihydroxide, 22:45089
  - Proceedings of the Robert A. Welch Foundation conferences on chemical research. XIII. The transuranium elements: the Mendeleev centennial. Conference held in Houston, Texas, November 17—19, 1969, 25:39019
  - Prog. rpt. on crystal structure and morphology of hydrous oxides and hydroxides in lanthanide and actinide series, annual, 2/70, 24:20748 (ORO-3955-1)
  - Prog. rpt. on crystal structure and morphology of hydrous oxides and hydroxides in the lanthanide and actinide series, annual, 2/71, 25:20992 (ORO-3955-2)
- MILLIKAN, Allan G. Background density and the photographic detection of faint stars, 23:51173
- MILLIKAN, C. R. Distribution of ^{65}Zn in pear trees following bark injection, 21:26360
  - Distribution of ^{65}Zn in pear trees following bark injection, 22:2492
  - Effect of P and Zn on ^{65}Zn distribution in clover and flax, 23:20085
  - Interaction between calcium level and nitrogen source on growth and ^{45}Ca distribution in subterranean clover, 23:38412
  - Mobility of ^{65}Zn in trifolium subterranium L. and antirrhinum majus L, 23:35611
  - Movement of foliar-applied ^{45}Ca in brussels sprouts, 23:38411
  - Redistribution of ^{45}Ca in T. subterraneum L. and Antirrhinum majus L, 22:28317
- MILLIKEN, S. B. Electron spin resonance studies on the photolysis of radicals produced in ethyl mercaptan and ethyl disulfide by x-irradiation, 21:42978
- MILLIKEN, Stephen B. Ultraviolet photolysis of x-irradiated methanol at 77°K, 21:30474
- MILLINGTON, R. A. Measurement of depletion of nominally 0.04 percent depleted uranium metal foil by two different methods, 23:26183 (AEEW-M-807)
  - Measurement of relative conversion ratio in particulate fuel, 25:10217
- MILLION, Borivoj Diffusion of Mo, W, and V in Fe—Cr alloys, 24:4777
- MILLION, J. G. Automatic process chromatographs for the analysis of corrosive fluoride gases, 22:21021 (K-L-6182)
  - Improved techniques for corrosive fluoride gas chromatography, 22:22894 (K-L-6183)
- MILLION, Rodney R. Bilateral radiation pneumonitis, 23:35923
- MILLIONSHCHIKOV, M. D. Basic relationships of turbulent flow near the wall layer, 24:39135
  - Conference on 20 years of production and use of isotopes and nuclear sources in the economy of USSR, Minsk, 10/68, 24:19175
  - Plasma physics and problems of magnetohydrodynamics in the transformation of energy, 24:28134 (AD-699661)
  - Turbulent flows in layers adjoining to walls and inside pipes, 24:31580
  - Turbulent heat exchange and mass transfer, 25:13160
  - Using gas-turbine units and MHD generators in atomic power plants, 25:8112
- MILLIOT, B. Measurement of void fraction in two-phase NaK—Ar flow by γ-ray attenuation, 23:13938 (EUR-3935)
  - Void fraction measurements in two-phase flow NaK/Ar, 21:41096 (EUR-3486.f)
  - Void fraction measurements in two-phase flow NaK/Ar, 22:51172
- MILLIS, D. B. Elastic H^+—He differential scattering cross sections, 24:45049
- MILLIS, R. L. Atmosphere of the H-deficient star sigma Orionis E, 24:15010
  - Measurements of electron temperature for eight planetary nebulae, 21:46061
- MILLIS, Robert L. HR 8880: low-amplitude Delta Scuti star, 24:27921
- MILLIS, Robert Lowell Investigation of Delta Scuti stars, 22:38714
- MILLIVOJEVIC, D. Determination of B in nuclear materials by isotope dilution technique. I, 25:41749
- MILLMAN, George H. Field-aligned ionization scatter geometry, 23:12677
  - Ionospheric phase fluctuations of satellite transmissions, 22:36856
- MILLMAN, Martin H. Perturbation theory of nonlinear boundary-value problems, 23:21031
- MILLMAN, Peter M. Auroral studies at Byrd and Great Whale, 24:21697
- MILLNER, A. R. Nonlinear stabilization of a continuum, 25:27760
- MILLNER, Tivadar Tungsten research in Hungary, 22:8761
- MILLOT, Francoise Dulcinee code, 25:23252 (CEA-N-1378)
- MILLOT, J. P. Calculation of accidents in water reactors during operation at power, 21:27715
  - Calculation of power bursts in swimming pool reactors, 21:27818
  - Flow instabilities and of their consequences on the safety of water reactors, 21:27714
  - Investigation of fuel behavior in fast reactor, 23:31182 (CEA-CONF-1259)
  - Loss of coolant flow accidents in swimming-pool reactors, 21:27817
  - Quasi static model for the analysis of reactivity accidents in fast neutron reactors, 22:53347
  - Review of experiments on reactivity accidents, 21:27816
  - Review of rapid heat transfer and Na boiling in France, 23:17674 (CEA-CONF-1109)
  - Simulation of explosive accidents in a fast reactor, 23:28554 (EUR-4101, pp 393-410)
- MILLOT, J.-P. CABRI Na loop, 22:53451
- MILLOT, Jean-Paul CABRI: a test reactor for safety studies, 21:46951
- MILLS, A. L. Phase formation between actinide nitrates and 20 percent tri-n-butyl phosphate, 22:6408
- MILLS, A. P. Anomalous magnetic quenching of three-photon annihilations in MgO, 22:17368
  - Delayed coincidence time resolution: NaI(Tl), 24:39313
  - Transistorized linear gate, 21:17881
- MILLS, Alfred Leonard Liquid—liquid contacting apparatus, 22:30654
  - Processing irradiated fuel, 24:50453
  - Processing irradiated nuclear fuels, 25:241
- MILLS, Allen P. Search for C nonconservation in electron—positron annihilation, 21:17023
- MILLS, B. Zener relaxation in silver—cadmium and silver—indium solid solutions, 25:52340
- MILLS, B. E. Rolling of tubes of Zr or Zr alloys, 23:22509
- MILLS, B. M. Eigenvalues and functions for a modified Coulomb potential, 21:33114 (AD-640388)
- MILLS, B. Y. Astronomer's universe, 21:24881
  - Emission nebulae in Magellanic Clouds at 408 MHz, 25:55722
  - High resolution observations of the Orion Nebula at 408 MHz, 22:15296
  - Pulsar distances, spiral structure, and interstellar medium, 24:6332
  - Pulsar supernova association, 23:1101
  - Radio emission from optical quasi-stellar objects, 24:51311
  - Radio observations of clusters of galaxies, 24:1163
  - Radio sources in clusters of galaxies, 22:47735
  - Radio spectrum of Orion Nebula, 24:27968
- MILLS, C. B. Reactivity values from LASL cross-section tape library, 22:27466 (LA-DC-9404)
  - Reactivity values from LASL cross-section tape library, 22:33053
- MILLS, C. M. Dispersion of corrosion products from a film-forming metal exposed to an aqueous stream, 24:962
- MILLS, C. P. Design of low-enrichment, homogeneous, helium-cooled reactor with off-load refueling, 23:37451
- MILLS, Caroll B. Uranium—233 fast breeder, 21:44872
- MILLS, Carroll B. Application of low critical mass studies to reactor design, 23:28605
  - Critical mass reduction, 21:23606 (LA-3651)
  - Fast reactor design computations, 21:44848 (LA-3724)
  - Low critical mass, 22:12101
  - Manifold gaseous rocket reactor, 21:35657
  - Minimum ^{233}U critical mass in D_2O, 23:9205
  - Minimum critical mass, 22:25089 (LA-DC-8521)
  - Neutron resonances and reactivity, 21:7633 (LA-3560)
  - Rover: an intermediate step to gas, 25:6136
  - Small nuclear reactor for undersea use, 25:10298
  - Tests of neutron cross sections, 24:49681 (LA-4429)
- MILLS, Colin Patrick Improvements in reactors, 24:50257
- MILLS, D. Cooling of the Dungeness B AGR pressure dome, 23:13488
  - Formation of polygonized substructure in deformed single crystals of α Zr, 22:8771
  - Plastic deformation of Zr—O alloy single crystals, 22:49755
- MILLS, D. M. Beam/plasma interaction with transverse modulation, 21:13551 (AD-639210)
  - Beam/plasma interaction with transverse modulation, 22:7286
  - Beam—plasma interaction with transverse modulation, 21:37454 (SU-IPR-141)
  - Beam—plasma interaction with transverse modulation, 22:1198
  - Model of extragalactic radio sources, 24:21491
  - Observations of a "hose" instability of an electron beam in a plasma, 21:16955
- MILLS, Dallice I. Somatic recombination in common-AB diploid of Schizophyllum commune, 25:42336
- MILLS, David M. Model of extragalactic radio sources, 24:37057 (AD-701073)
- MILLS, Donald Deformation of zirconium, 22:13076
- MILLS, F. Plasma confinement in a toroidal octupole magnetic field, 22:39031 (CONF-680805-7)
  - Plasma confinement in a toroidal octupole magnetic field, 23:32339
- MILLS, F. E. Coherent acceleration of protons, 21:13748 (CONF-650923-32)
  - Damping of the coherent vertical beam instability in the Argonne ZGS, 21:29748
  - Diagnostics and control of a coherent instability in MURA 50-MeV electron accelerator, 21:13752 (CONF-650923-36)
  - Mutual oscillations of ions and electrons in the ERA, 22:46636 (UCRL-18103, pp 448-56)
  - Report of the working group on the compressor unit and the model program, 22:46588 (UCRL-18103, pp 106-10)
  - Storage rings for electrons and positrons, 21:38141
  - Throbbing beam instabilities in particle accelerators and storage rings, 21:38071
  - Throbbing beam transverse resistive instabilities in circular accelerators and storage rings, 21:40306 (SLAC-76)
- MILLS, Frederick E. Apparatus for damping axial coherent beam instabilities in a synchrotron particle accelerator, 22:22518
- MILLS, G. S. Determination of diffusion coefficients by correlation of microscopic density fluctuations, 24:40055
- MILLS, George Scott Lower hybrid resonance in a finite-length plasma, 22:3117
- MILLS, J. I. Refinements in He line ratio technique for electron temperature measurement, 24:30317
- MILLS, John Penrose An improved grinding machine, 22:14662
- MILLS, Joseph C. Axial kinetics model for fast reactor disassembly accidents, 25:57080 (CONF-710302-(Vol.1), pp 167-79)
  - High-temperature sodium loop for university research and instruction, 24:7372
- MILLS, Loren F. Radiation incidents registry report, 1970, 25:24425 (BRH/DBE-70-6)
- MILLS, Loring E. Graphite welding, 21:1938
- MILLS, Norman D. Thermal expansion of Er_2O_3, Tm_2O_3, and Yb_2O_3, 24:19508
- MILLS, P. Density measurements by microwaves in a Q machine, 24:26165
- MILLS, Patrick Radioactive bone scans in carcinoma of the prostate, 23:29641
- MILLS, Pierre Excitation of pseudosonorous ionic wave in cylindrical plasma by an electron beam, 22:26416
- MILLS, R. B. Sub-lethal γ radiation effects on prepupae, pupae, and adults of angoumois grain moth, 23:10041
- MILLS, R. G. Control of thermonuclear reactors, 24:24031 (LA-4250, pp B1.1-5)
  - Crack opening displacement and hoop stress in Zircaloy-2 pressure tubes, 22:43578
  - Cursory look at Tokamak fusion reactors, 23:10601 (MATT-659)
  - Fort St. Vrain proof test element, 22:44818 (GAMD-8552)
  - Ignition of toroidal fusion reactors, 25:25081 (MATT-800)
  - Large superconducting magnet designs for fusion reactors, 25:43397 (MATT-848)
  - Lawson criteria, 25:36191 (MATT-844)
  - Lecture notes [on toroidal fusion reactors], 25:3132 (ORO-1171-1, pp 38-77)
  - Operation of a levitated superconducting ring in a plasma physics experimental device, 25:14356
  - Princeton floating multipole-superconducting ring progress, 23:30488
  - Some engineering problems of thermonuclear reactors, 22:17622
  - Stabilized, levitated superconducting rings, 22:29455
  - Synchrotron radiation from fusion reactors, 24:10571 (MATT-658)
  - Time-dependent behavior of fusion reactors, 24:24076 (MATT-728)
  - Time-dependent behaviour of fusion reactors, 25:25161
  - Vapor deposited tungsten for application as a thermionic emitter material, 21:4917 (N-66-29373)
- MILLS, R. L. Crystal structures of three modifications of ^{14}N and ^{15}N at high pressure, 24:38871
  - Crystal-structure changes in hydrogen and deuterium, 22:11522
  - Preparation of nearly pure orthohydrogen and paradeuterium, 22:10326
  - Tests for hydrogen embrittlement of steels used in tank farm cylinders, 21:9054 (LA-3602)
  - Treatment of overlapping divergences in the photon self-energy function, 21:13733
- MILLS, Robert Propagator gauge transformations for non-Abelian gauge fields, 25:43680
  - Propagators for many-particle systems. an elementary treatment, 24:1674
  - Quantum field theory for bosons with condensed phase at a finite temperature, 25:40575
- MILLS, Robert B. Irradiation of early instars of the Angoumois grain moth, 24:44648
- MILLS, Robert L. Inversion problem with separable potentials, 23:19012
  - Lambda anomaly in H and D, 21:33292 (LA-DC-8458)
  - Theory of melting anomaly of ^{4}He, 21:33329
- MILLS, S. C. Simple method for the determination of the specific activity of carbon dioxide in blood, 21:5775
- MILLS, S. Edwin Gas permeation measurements on plastics, 23:18287
- MILLS, S. J. Anomalous population of ground-state rotational band of ^{174}Hf in the ^{173}Yb(α,2nγ) ^{174}Hf reaction, 24:13360

- Applicability of the statistical model to the description of the population of ground-state rotational levels, 22:39710
- Computer program for automatic analysis of γ-ray spectra, 24:29557
- EVAP: computer program for calculation of angular momentum distributions in neutron-evaporation reactions, 23:31053 (CSIR-282)
- Population of ground—state rotational levels in (α,2nγ) reactions, 23:17109
- MILLS, W. A. Bioeffects of non-ionizing electronic product radiation, 24:34716 (CONF-690335, pp 13-25)
  - Effects of 2450 MHz microwaves on protein synthesis and on chromosomes in Chinese hamsters, 24:12053
- MILLS, W. R. Borehole models for nuclear logging, 22:12432
  - Count-loss corrections for TMC time analyzers with Model 211 logic, 22:16954
  - Cyclic activation analysis, 24:27026
  - Neutron die-away experiment for lunar and planetary surface analysis, 21:36108
  - Nuclear geophysical methods in oil geology, 23:35327
  - Relative neutron cross sections for the production of /sup 24m/Na from Mg and Al, 22:32517
- MILLS, W. R. Jr. Cyclic activation analysis, 24:61
- MILLS, William R. Jr. Detection of chemical binding of hydrogen, 24:41430
  - Epithermal neutron and gamma ray detector, 23:7769
  - Radiation measuring system, 23:7883
  - Use of gamma ray and thermal neutron well logs to correct macroscopic absorption cross section measurements, 23:14061
- MILLSAP, D. A. ARMF measurements by one-dimensional multigroup diffusion calculations, 22:44895 (IN-1067)
  - Fission product transient measurements in the advanced reactivity measurement facilities, 21:46718 (IN-1096)
  - Hydraulic and thermal calculations for a tubular sample, 21:35717 (IN-1102)
  - Reactivity effects of low neutron absorber samples in the ARMF reactors, 21:38189
  - Reactivity effects of low neutron absorber samples in the advanced reactivity measurement facilities, 22:32972 (IN-1139)
  - Thorium—^{233}U sample design calculations, 21:31938 (IN-1101)
  - Use of ARMF for a fast reactor support program, 22:6096 (IN-1143)
- MILLSTEIN, J. Tunneling into superconducting films in a magnetic field, 21:33313
- MILLSTEIN, Jerry Tunneling into superconductors in a magnetic field, 22:2995
- MILLUNZI, Andrew C. Hot isostatic compaction of W—U dioxide fuels, 22:39905 (N-68-21705)
- MILLWARD, D. J. Turnover of ^{75}Se-selenomethionine in infants and rats, 23:50314
- MILLWARD, P. Main and helical field windings on a toroidal stellarator: PROTO—CLEO, 25:30554 (EUR-4593, pp 13-18)
- MILLY, S. M. HELIUM: program to calculate helium released in fuel capsules containing alpha-emitting isotopes, 24:2399 (SC-RR-69-502)
  - Operation Roller Coaster: near ground-level air sampler measurements, 24:22789 (SC-RR-69-788)
- MILMAN, M. Chemical consequences of (n,γ) reactions in organic systems containing bromine, 23:9494
  - Chemical consequences of (n,γ) reaction in K ferrocyanide, 25:34663
  - Chemical consequences of neutron activation in bromobenzenes. I, 24:46258
  - Chemical effects of thermal neutron capture in potassium ferrocyanure, 23:2362
  - Effects of phase homogeneity on the chemical consequences of nuclear reactions, 22:2141
  - Isomeric transition in organic systems containing bromine. II, 24:25092
  - Isotope and phase effects in halomethanes, 23:40719
- MILMAN, M. Sh. Autoimmune process in acute radiation sickness and the influence of antibiotics on its development, 21:11023
  - Autoimmune process in acute radiation sickness and the effects of antibiotics on its development, 22:21446
  - Effect of antibiotics on immunological specificity of proteins in acute radiation sickness, 21:16286
  - Immunologic specificity of proteins in acute radiation sickness, 21:20053
- MILMAN, Miriam Isotopic effect and the effect of phase in ethyl bromide irradiated by slow neutrons, 21:25900
- MILMAN, Y. Approximation of an integral appearing in a loss of coolant accident calculation, 24:24905
  - Maxima of Sutton's equation corrected for deposition, 21:32278
  - Minimum number of operations needed to identify an object in an array, 23:500 (IA-1174)
  - QJHAZ: program for evaluation of environmental hazards from nuclear reactors, 25:8104 (IA-1206)
- MIL'MAN, Yu. V. Change of mechanical properties and dislocation structures of deformed molybdenum alloys during annealing, 24:8145
  - Effect of structure and test conditions on the mechanical properties of low-alloy molybdenum, 25:45037
  - Influence of structure and testing conditions on the mechanical properties of low-alloyed molybdenum, 25:27221
  - Influence of the annealing temperature on Q^{-1} and G of pure Cr and of alloys of Cr with Y and Gd, 22:26040
  - Special features of the mechanism of plastic deformation of niobium, 25:45046
  - Specifics of the mechanism of plastic deformation of niobium, 25:32713
- MILNE, D. B. Copper-64 metabolism in the rat, 24:34049
- MILNE, D. K. Carina nebula at 6 cm, 24:46913
  - Comparison of the radial velocities of the neutral hydrogen gas and H II, 24:10352
  - Detection of He 109α and C 109α recombination lines in southern galactic sources, 24:44883
  - H109α recombination line measurements of W51 region, 24:21490
  - Line survey (H 137β) of twenty-one galactic radio sources, 24:46907
  - Northern galactic radio sources, 24:42400
  - Optical spectrum of Vela X, 22:47738
  - Radio observations of seven suggested supernova remnants, 23:27275
  - Radio observations of seven suggested supernova remnants, 23:34174
  - Radio observations of supernova remnants IC443 and Puppis A, 25:47251
  - Recombination line observations of 30 Doradus Nebula, 24:21493
  - Recombination lines in thermal and nonthermal galactic sources, 24:1195
  - Summary of recent observations with the Parkes interferometer, 23:34172
  - Supernova of AD 1437, 24:6312
  - Supernova remnant near GX 5-1, 25:35684
  - Supernova remnant W 28, 25:16662
  - Supernova remnants, pulsars, and x-ray sources, 24:51324
  - Survey of H 109α recombination line emission in galactic H II regions of the Southern sky, 24:37061
- MILNE, G. W. A. Raman and infrared spectra of dimethylnitrosamine, 24:50395
- MILNE, I. Deformation of niobium—molybdenum single crystals, 22:23793
  - Effect of deformation on transition temperature of Nb—32 percent Zr, 25:56099
- MILNE, J. Helium leak testing techniques, 24:39109 (DP-Report-201)
- MILNE, J. M. Leak testing of He purification plant, 24:40963 (DP-Report-248)
  - Quality control, inspection, and testing of fuel materials for first charge of Dragon reactor experiment, 24:40998 (DP-Report-327)
  - Quality control, inspection, and testing of fuel materials for the two uprated fuel elements, 25:18610 (DP-Report-580)
  - Summary of results obtained in quality control, inspection, and testing of fuel materials for first charge of Dragon Reactor experiment, 24:40999 (DP-Report-328)
  - Thermal and electrical conductivities of Dragon fuel cartridges, 24:43755 (DP-Report-284)
  - Thermal expansion characteristics of fuel materials for Dragon Reactor experiment, 24:43760 (DP-Report-417)
- MILNE, Jean A plan for a radioisotope department for a large general hospital, 22:10806
- MILNE, Thomas A. Molecular beams in high temperature chemistry, 25:30258
  - Prog. rpt. on electric deflection molecular beam apparatus, final, 7/66, 21:5056 (AD-637176)
- MILNE, W. J. Design of cosmic-ray muon spectrometers, 24:11844
- MILNER, W. T. Nuclear cross sections for charged-particle-induced reactions n and o, 22:1600
- MILNER, A. Ductility of sintered unworked molybdenum—carbon alloys, 21:16647
  - Prog. rpt. on fabrication of W alloy tubing, 7/65-6/66, 21:13121 (COO-1518-4)
  - Properties of sintered W—Mo—Re alloys, 21:45921
- MILNER, Alan Tensile evaluation of unworked tungsten—25 percent rhenium alloys consolidated by sintering elemental powders, 22:41039
- MILNER, D. J. Action of gamma radiation on liquid 1,5-pentanediol, 23:229
  - Conference on radiation chemistry of water, University of Notre Dame, Indiana, 10/66, 21:21965 (COO-38-519)
- MILNER, David J. Gamma radiolysis of liquids at high pressures. II, 21:30453
  - Gamma radiolysis of liquids at high pressures. III, 21:36019
  - Gamma radiolysis of liquids at high pressures. IV, 22:12367
  - Gamma radiolysis of liquids at high pressures. V, 22:12359
  - Gamma radiolysis of liquids at high pressures. VI, 22:47199
  - Gamma-radiolysis of liquids at high pressures. I, 21:28032
- MILNER, G. W. C. Analysis of plutonium silicides and plutonium silicon carbides, 21:2932 (AERE-R-5280)
  - Analysis of plutonium uranium carbide-iron cermets by electrochemical methods, 21:8222
  - Analysis of Pu U carbide—iron cermets by electrochemical methods, 22:33215
  - Chemical analysis of ceramic materials, containing U and Pu, arising from development of nuclear fuels, 23:2218
  - Controlled-potential coulometers based upon modular electronic units. II, 24:4199
  - Determination of plutonium in refractory materials by electrometric methods after dissolution by fusion with ammonium hydrogen sulfate, 21:21879
  - Determination of Ru in UC—Ru and (Pu,U)C—Ru cermets, 22:7986 (AERE-R-5617)
  - Dissolution of plutonium dioxide in hydrochloric acid at high temperature and pressure, 24:9266 (AERE-R-6217)
  - Improved potentiometric titrator, 23:17320 (AERE-R-5927)
  - Improvements in the determination of nitrogen in plutonium mononitride and uranium higher nitrides by chemical methods, 21:14144 (AERE-R-5329)
  - Lead-shielded cell for analysis of α, β, γ active materials, 24:412 (AERE-R-6115)
  - Method for determination of Pu by alpha counting, 24:5600 (AERE-R-6163)
  - Rapid dissolution of Pu dioxide by a Na peroxide—Na hydroxide fusion, followed by determination of Pu content by controlled-potential coulometry, 22:40041
- MILNER, J. F. SNAP-2 Developmental Reactor Mockup No. 1, 22:37517 (NAA-SR-12186)
- MILNER, Malcolm John Access duct for a nuclear reactor, 22:37606
  - Thermal insulation, 23:18262
  - Thermal insulation, 25:49591
  - Thermal shields for nuclear reactors, 21:46989
- MILNER, S. Bare kicker magnet of CPS fast ejection system, 22:11785
  - Multishot and multichannel fast ejection, 23:28001
- MILNER, Sofia Recombination of H_2 and O_2 in presence of inert gases under gamma radiation, 24:19010
- MILNER, W. T. Coulomb excitation of ^{104} ^{108} ^{110}Pd, 23:15490
  - Coulomb excitation of ^{107} ^{109}Ag, 25:15035
  - Coulomb excitation of ^{197}Au, 25:39047
  - Coulomb excitation of ^{75}As, 22:3681
  - Coulomb excitation of even-A Cd nuclei, 23:31003
  - Coulomb excitation of medium-weight and rare earth nuclei with ^{16}O ions, 24:49815
  - Coulomb excitation of states in even-mass ruthenium nuclei with ^{16}O and ^{4}He ions, 22:32615
  - Coulomb excitation of the even tin nuclei, 22:37353
  - E2/M1 admixture of the $2' \rightarrow 2$ transition in ^{108}Pd, 25:31374
  - Gamma—gamma angular correlations following Coulomb excitation, 23:9000
  - Low-lying levels of ^{79}Br, 21:23455
  - Multiple Coulomb excitation of ^{152}Sm, ^{166}Er, and ^{172} ^{174} ^{176}Yb, 25:3662
  - Nuclear cross sections for charged-particle-induced reactions, 21:7697
  - Quadrupole moment of first 2+ states of Sn, 25:12587
  - Reaction list for charged-particle-induced nuclear reactions. Pt. B, 24:3910
  - Reaction list for charged-particle-induced nuclear reactions. Pt. A, 24:8847
  - Reaction list for charged-particle-induced nuclear reactions Z = 1 to Z = 98 (H to Cf), May 1969—June 1970, 25:12366
  - Short nuclear lifetime measurements via the pulse beam delayed-coincidence technique, 25:48969
- MILNER, William Thomas Coulomb excitation studies of ^{104}Pd, ^{106} ^{108}Cd, ^{182} ^{184} ^{186}W, ^{186} ^{188} ^{190} ^{192}Os, and ^{192} ^{194} ^{196} ^{198}Pt, 22:29985 (ORNL-TM-2121)
  - Coulomb excitation studies of ^{104}Pd, ^{106} ^{108}Cd, ^{182} ^{184} ^{186}W, ^{186} ^{188} ^{190} ^{192}Os, and ^{192} ^{194} ^{196} ^{198}Pt, 23:11026
- MILNIKOV, G. D. Turbulent heating in a toroidal system with a current, 23:18596
- MILOCHIK, Michael Determining relative resolution on a sensitometric step wedge, 23:26144 (UCRL-50565)
- MILONE, C. Angular distributions in fission of uranium by neutrons, 25:17949
  - Angular distributions of fragments from neutron-induced fission of thorium, 21:23488
  - Angular distributions of fragments from ^{232}Th(n,f) reactions near the threshold, 22:50646
  - Fission of ^{238}U induced by neutrons at energies near threshold, 25:20393
  - Fragments from ^{238}U(n,f), 24:49908
  - Photofission cross-section of Bi and Pb between 300 and 1000 MeV, 25:53806
  - Photofission of Tl, Hg, and Au up to 1000 MeV, 25:50737
- MILONJIC, Slobodan Adsorption of Cs^+, Co^{2+}, and Ce^{3+} from acid aqueous solutions on natural magnetite, 25:46548
- MILONJIC, Slobodan K. Adsorption of Cs from basic water solutions, 24:22765
- MILORADOV, G. K. Effect of radioisotopes on fish roe, 25:21563
- MILOSAVLJEVIC, A. Early effects of homologous DNA of irradiated L-strain cells, 23:12140 (AEC-tr-6646/4A, pp 151-4)
- MILOSAVLJEVIC, D. Electron beam welding of Zy-2, 25:42830
- MILOSAVLJEVIC, Jovan Application of the tracer technique in the investigation of solid-phases mixing in the tapered-bed column, 22:19494
  - Description of ammonium diuranate produced in the pilot plant at Kalna, 21:40861
  - First Yugoslav pilot-plant for continuous production of U and UO_2, 21:32847
  - Investigation of thermal conditions in reduction bomb during preheating of UF_4—Mg charge, 22:19495
- MILOSERDIN, Yu. V. Methods for studying refractory materials, 25:16595
- MILOSEVIC, M. Qualitative changes in blood glucose of rats irradiated with ^{60}Co gamma rays, 21:1800
- MILOSEVIC, Milorad Effect of homologous testis DNA on the testis cell ribonucleic acid metabolism of lethally irradiated rats, 23:11939 (AEC-tr-6646/4A, pp 159-63)
- MILOSEVIC, Radoslav Decrease in the loss of heavy water by gas drying, 24:20565
  - Procedures for heavy water reconcentration, 24:20567
  - Ventilation of nuclear power plant premises, 24:20572
  - Water regime of nuclear power plants, 24:20566
- MILOSEVIC, Radule Radiometric determination of submicrogram amounts of mercury, 21:21883
- MILOSEVIC, V. Toxicity and analgesic activity by gamma rays, 25:42752
- MILOSEVIC, Z. Transcutaneous resorption of ^{144}Ce, 21:1717
- MILOSHENKO, V. E. Influence of superconducting transition on internal friction of tantalum, 25:33189
- MILOSHEVICH, M. Effect of homologous desoxyribonucleic acid on DNA of irradiated seeds, 22:15113
- MILOV, A. D. Recombination of radicals in irradiated glycerin, 23:40699
- MILOV, I. V. Concerning the viscosity of liquid beryllium, 24:1005
  - Crystallization front in electric-arc zone melting, 22:6972
  - Viscosity of liquid beryllium, 23:51034 (JPRS-48743)
- MILOVA, V. B. Effect of ultrasonic vibration on the structure of electron-beam melted molybdenum, 21:1912

Properties of polycrystalline unalloyed molybdenum, 21:22878
MILOVANOV, O. S. 10-MeV linear electron accelerator designated as U-13, 25:9929
MILOVANOV, V. P. Angular dependences of many-charge particles produced by 660-MeV protons on ^{27}Al nuclei, 25:14945
Angular distribution of ^{24}Na recoil nuclei produced in reaction ^{27}Al(p,3pn), 23:39981
Angular distribution of recoil nuclei in reaction ^{12}C(p,pn)^{11}C, 22:39255
Angular distribution of the recoil nuclei in reaction ^{12}C(p,pn)^{11}C, 22:46715 (ANL-Trans-657)
Angular distributions of recoil nuclei from reaction ^{19}F(p,pn)^{18}F, 22:35244
Angular distributions of recoil nuclei from reaction ^{19}F(p,pn)^{18}F, 22:53094 (ANL-Trans-656)
Effect of phase-space volume on characteristics of fragmentation, 23:28346
MILOVANOV, Yu. L. Control system of stability of magnetic field in Erevan electron synchrotron electromagnet blocks, 23:27912
MILOVANOV, Yu. V. Dependence of dropwise condensation heat transfer coefficient on temperature, 22:42967
Heat transfer in film and dropwise condensation of liquid metal vapors, 23:11715
MILOVANOVA, L. S. Some problems of the use of radioactive scanning of the liver and spleen in hematology, 23:10002
MILOVANOVIC, A. Effect of gamma-irradiation and subsequent cutaneous-muscular wound, 23:38770
Resorption of ^{137}Cs through mechanically damaged skin, 23:35910
MILOVANOVIC, A. V. Decontamination of skin, 23:14201
MILOVANOVIC, Aleksandar Effect of methionine and cysteine on repair of skin in irradiated rats, 23:35782
Hematological changes during the repair of skin damage in irradiated rats, 23:35781
Radiation and wound healing, 24:21301
MILOVIDOV, I. V. Fast neutron reactor technology, 24:18598
Nuclear power plant with BN-350 Reactor, 22:7828
Use of lead in unloading systems for sodium-cooled facilities, 24:52933
Use of lead in unloading systems of sodium-cooled facilities, 25:23294 (CONF-700307-7)
MILOVIDOVA, N. P. Distribution of cosmic rays in eastern part of the USSR, 22:11270
East-west asymmetry effect in cosmic rays according to crossed-telescope measurements in 1965, 22:21955
Latitude distribution, integral multiplicities, and coupling coefficients for neutron, total ionizing, and hard components of cosmic rays, 21:33227
Latitudinal distribution and coupling coefficients for the neutron and total ionizing components of cosmic radiation, 22:21954
MILSCH, B. Interstitial H and deuterium atoms in SrF$_2$ crystals, 24:26338
MILSHTEIN, R. S. Accuracy of dosimetric calculations in intracavitary radium therapy, 23:29530
Distribution of depth doses of bremsstrahlung of 25 MeV, 22:51618
Effect of roentgen-contrast media upon the dose field, 22:45630
Effectiveness of collection of ions in dosimetry of impulse radiation, 22:49352
Formation of dose field of 25-MeV bremsstrahlung, 22:45529
Parameters of betatron B-30 bremsstrahlung, 25:55209
MILSOM, P. R. Digital simulation of once through boiler dynamics, 23:26438 (AEEW-M-794)
MILSOM, Peter R. FORTRAN program for determining frequency responses for linear systems with time delays, 21:21623 (AEEW-R-492)
MILSTEAD, C. E. Cesium deposition on stainless steel, 21:7913
Cesium deposition on stainless steel, 21:11193 (GA-7433)
Cesium deposition on stainless steel, 21:32849
Cesium plateout on stainless and carbon steels, 21:30995 (GAMD-7525)
Deposition of iodine on low chromium alloy steel, 23:52343
Postirradiation chemical examination of GAIL IV fuel element, 23:28718 (GA-8588)
Sorption characteristics of Cs—graphite system at elevated temperatures and low Cs pressures, 23:19856
MILSTED, J. Buildup of radioactive products in thermal reactors. I, 23:7547 (ANL-7484)
Buildup of radioactive products in thermal reactors. II, 23:9415 (ANL-7485)
Buildup of radioactive products in thermal reactors. III, 23:24210 (ANL-7486)
Daughter growth in freshly separated ^{226}Ra, ^{227}Ac, and ^{232}U, 21:1070 (ANL-7205)
Decay of ^{253}Fm, 22:9901
Decay properties of ^{244}Pu, and its existence in nature, 21:10060
Decay properties of ^{249}Bk and ^{249}Cf, 23:31028
Energy levels of ^{243}Am, 23:21373
New properties of ^{254}Es and ^{255}Es, 21:23503
Nuclear properties of ^{242}Cf, ^{243}Cf, ^{244}Cf, and ^{245}Cf, 21:21554
MILSTEIN, Frederick Direction of easy magnetization in gadolinium, 23:14909
Exchange integral in rare-earth metals, 21:15223
Indirect exchange coupling of magnetic moments in rare-earth metals, 25:14487
Influence of hydrostatic pressure upon the magnetic transitions in gadolinium—dysprosium alloys, 22:3214
Magnetic permeability anomaly in hexagonal close-packed metals, 25:25234
Magnetic transitions in alloys of gadolinium and dysprosium, 21:37610
MILSTIEN, Sheldon Concurrent general-acid and general-base catalysis of esterification, 24:36255
Hydrolysis reactions of S-aryl phosphorothioates, 23:2265
MILTENBERGER, Bernard Alpha spectrometry; grid ionization chamber: improvement of characteristics, 23:6303 (CEA-R-3566)
Improving grid ionization chamber characteristics for alpha spectrometry, 24:27385 (LA-4243-TR)
Proportional counter for spectrometry between 0 and 100 keV, 24:20981 (CEA-R-3938)
MILTENBURGER, Herbert Georg Proliferation of mammalian cells in vitro and the reaction to x radiation. I, 24:12217
Proliferation of mammalian cells in vitro and their reaction to x radiation. II, 24:32154
MILTENYI, L. Effect of irradiation on iron uptake of liver-cells, 22:28349
Effect of source size on isodose-distribution at "Gravicent" (Medicor, Hungary) ^{60}Co teletherapy unit, 22:38353
Oxygen potentiated radiation therapy, 22:28592
MILTENYI, Laszlo Effect of nandrolon-decanoate and iron preparation on the hemogram of irradiated patients, 25:55303
Effect of Nandrolone—decanoate on Fe metabolism after irradiation, 23:779
Effects of hyperoxygenation and radiation on growth of malignant tumors, 23:18116
Effects of irradiation and catabolic processes on the half-life of rat serum albumin, 23:4901
Radiobiological problems of iron exchange of the organism, 21:45796
MILTON, D. W. Auroral-zone x-ray bursts of 5- to 25-millisecond duration, 21:43913
Direct correspondence between x-ray microbursts and impulsive micropulsations, 21:11544
Simultaneous satellite and balloon observations of the same auroral-zone precipitation event, 22:2927
MILTON, G. W. Sensitization to x-irradiation of melanoma cells using α-MSH, 23:29714
MILTON, J. C. D. Anisotropy and kinetic energy in reactions ^{235}U(d,pf) and ^{239}Pu(d,pf), 22:20643
Fission-fragment angular anisotropy in reactions ^{235}U(d,pf) and ^{239}Pu(d,pf), 21:4302
High resolution study of ^{239}Pu(d,pf) reaction, 23:46979 (AECL-3376)
High resolution, broad range spectrometer, 24:44289 (AECL-3563)
Nuclear fission, 21:17372
MILTON, J. E. Pressure dependence of the magnetic transitions in dysprosium and erbium, 21:42000
MILTON, O. Izod—Rogowski impact test, 22:16788 (SC-RR-67-832)
MILTON, Richard D. Use of superconducting coils as energy storage elements in pulsed system operations, 22:11352
MILTON, Robert L. Spectral classification of some A stars with large m_1 indices, 23:8382
MILTON, Roy C. Spleen shielding in survivors of the atomic bomb, 22:21559
MILUTIN, Yu. V. X-ray-diffraction image topography and optical interference pattern in diamond layers after ion bombardment, 22:37004
MILUTINOVIC, Petar Effect of telecobalt therapy on plasma, 24:36839
MILUTINSKAYA, R. I. Low-temperature luminescence of gamma-irradiated organic glasses, 22:25406
MILVY, Paul Dose dependence of the transfer of radiation-induced free radicals from DNA to cysteamine, 25:49102
Electron spin resonance studies of irradiated nucleic acid and nucleic acid—cysteamine systems, 24:46580
ESR studies of spin transfer in irradiated nucleic acid—cysteamine systems, 22:49463
ESR study of interaction of irradiated DNA and cysteamine, 21:8743
ESR-studies of the mechanism of radiosensitization. Action of N-ethylmaleimide on irradiated sulfhydryl compounds, irradiated DNA, and irradiated nucleotides, 25:44789
MILYANICH, D. Inelastic interaction of neutrons with H and deuterium, 25:43560
MILYUKOVA, M. S. Analytical chemistry of plutonium, 21:35895
Behavior of various valence forms of Pu in acid—TBP system, 25:57357
Extraction-photometric determination of Pu(IV) by means of thenoyltrifluoroacetone, 21:12358
Extraction-photometric determination of Pu(IV) by arsenazo III, 21:19553
Photometric determination of Pu(IV) in the presence of Pu(VI) with xylenol orange, 21:8224
Reaction of trivalent Am and Cm with Arsenazo III, 25:2079
Reagents for extraction-photometric determination of Pu(IV), 21:27916
MILYUS, A. V. Determination of the electron concentration in arc discharge plasma, 22:52752
MILYUTIN, Yu. V. Conductivity in diamond alloyed by bombardment with ^{7}Li ions at energies 10 to 45 keV, 25:1278
Conductivity in diamond doped by bombardment with 10- to 45-keV ^{7}Li ions, 25:22627
Implantation of 10- to 80-keV Li ions in diamond, 25:7445
Injection of 10 to 80 keV Li ions into diamond, 25:22595 (JPRS-52565, pp 1-15)
Ion-bombardment induced damage in diamond layers, 22:46246
X-ray diffraction of ion-bombarded diamonds, 25:9557
MILYUTINA, Z. N. Solution for a one-velocity problem on neutron space distribution in the sphere with a cavity, 23:46530
MILYUTINSKAYA, R. I. Radiation-induced polymerization of isobutene in the liquid and glassy states, 22:113
MIMA, G. Aging of Fe—Cr and Fe—Cr—V alloys, 23:33976
MIMA, Genjiro Constitutional investigations on the miscibility gap in iron—chromium and iron—chromium—vanadium systems, 25:4787
Miscibility gaps in the Fe—Cr—V system, 24:14793
Reheating process of Fe—Cr and Fe—Cr—V alloys, 25:11403
Study of isothermal softening processes occurring in undoped tungsten wire (0.38 mm), 22:11002
Undoped W wire (0.38 mm phi) annealed isothermally at 1180°C, 21:18288
MIMA, Kunioki Theory of trapped particle instability. I, 25:36180
MIMAUD, R. Use of a CAE 510 computer at the production services of the La Hague plant, 24:16640
MIMIKOS, N. Contamination of waters in Athens by longlived isotopes, 22:21504
Strontium-90 and ^{137}Cs contamination of Greece, 23:47651
Strontium-90 in milk in Greece for the period 1962—1964, 21:14648
MIMINOSHVILI, Z. N. Decay of ^{97}Zr, 25:28438
Investigation of decay of ^{166}Tm (T/sub 1/2/ = 7.7 hrs), 22:48565
Study of disintegration of ^{169}Yb nucleus, 24:1847
MIMS, L. S. Prog. rpt. on SNAP technology, 11/66—1/67, 21:27785 (NAA-SR-12316)
MIMS, Martha F. Laser ablation of maternal chromosomes in eggs of R. pipiens, 23:31702
MIMS, W. B. New value for the ^{55}Mn nuclear magnetic moment, 21:23444
MIMURA, Koji Radiometric survey at southern foot of Mt. Obora, Mie prefecture, 25:57566
MIN, K. Anomaly in the photodisintegration of ^{58}Ni and ^{60}Ni in the giant-dipole resonance region, 22:53157
Inelastic scattering of iron-capture gamma rays from the 7.64-MeV level of ^{112}Cd, 21:10033
Inelastic scattering of monochromatic photons from the 7.64-MeV level of ^{62}Ni, 21:19219
Photoexcitation of the 7.64-MeV magnetic dipole levels in ^{112}Cd and ^{62}Ni, 24:24565
Photoneutron production cross sections of nickel and silver, 22:26963
Study of 7.64-MeV levels in ^{112}Cd and ^{62}Ni by resonant photon scattering, 22:27193
MIN, K. K. Photon interaction cross sections of Sn and Zr, 25:14959
MIN, Kun Particle transport and heat transfer in gas-solid suspension flow under the influence of an electric field, 21:12583
MIN, Nai-pen Direct observation of dislocations in refractory metals, 22:19557
MIN, Suk Ki. Effective dielectric constant of cylindrical plasma at microwave regions, 25:3087
MIN, T. C. Analysis of axial flow through a circular channel containing rod clusters, 22:40312
Bilateral approach to the analysis of turbulent flow in an annulus, 25:29268
MIN. K. Photodisintegration of ^{58}Ni and ^{60}Ni in giant-resonance region, 24:6882
MINA, R. T. Calculation of model for Fermi electron surface in indium, 23:42417
MINACHEV, Kh. M. Catalytic properties of rare-earth elements in isotopic exchange reactions in molecular oxygen, 23:7534
Effect of ^{60}Co gamma radiation on isotopic exchange in molecular oxygen—oxide system. I, 24:16567
Gamma radiation effects on catalytic properties of La$_2$O$_3$ and CeO$_2$ in $^{16}O_2 + {}^{18}O_2 \rightarrow 2\ {}^{16}O^{18}O$ reaction, 23:4662
Influence of ^{60}Co γ radiation on isotopic exchange in molecular oxygen—neodymium oxide system, 22:42786
Isotope exchange between molecular oxygen and synthetic zeolites, 25:34580
Oxygen isotope exchange in oxygen—rare earth oxide systems, 24:13824
Oxygen mobility and catalytic activity of rare earth oxide in relation to hydrogen oxidation reaction, 22:6304
Variations in mechanism of isotopic exchange of hydrogen of cyclohexane as function of conditions of NdY zeolite treatment, 23:35064
MINAEV, L. F. Effects of histones on energy processes in liver mitochondria of irradiated animals, 25:29638
MINAEV, P. F. Change in the localization of histones in the thymus and liver of irradiated rats, 25:44936
Effects of γ radiation on content of adrenalin and noradrenalin in rats, 24:7994
Nature of tissue radiosensitivity in living organisms, 24:34704
Postirradiative modification of radiation damage in frogs, 21:10933
Raising the radiosensitivity of the nervous system with ferment poisons, 21:32762
MINAEV, P. V. Continuous radiation of low-temperature argon plasma, 24:21784
MINAEV, S. M. F-center destruction mechanism in proton tracks in alkali halide crystals, 25:30655
MINAEV, V. A. Physical-chemical investigation of uranium hexafluoride—carbon tetrachloride binary system, 24:9321
MINAEV, V. M. Activation autoradiographic determination of carbon in uranium network substructure, 23:47411
Magnetic field structure in L-1 stellarator with l = 2, 23:46503 (NP-tr-1825)
MINAEV, V. P. Magnetic field structure of type L-1, two-pass stellarator, 23:36725 (NP-17948)
Magnetic surfaces of toroidal helical field near separatrices, 24:32855
MINAEVA, A. A. Broadening of hydrogen spectral lines by plasma electrons, 23:5131
MINAEVA, L. A. Broadening of spectral lines of highly excited hydrogen atoms in a plasma, 22:24314

  - Discrete radio-frequency spectrum of atomic hydrogen, 22:29069
  - States of atomic Ne. II, 23:51395
- MINAEVA, S. A. Phase diagrams of Ti—Ta—Cr system, 24:1036
  - Surface solidus of Ti—Ta—Nb with method of mathematical statistics, 24:27798
- MINAGAWA, Y. Determination of As in human nail and hair by activation analysis, 23:31315
- MINAGAWA, Yoji Mechanism of the protection of mice by environmental hypoxia, 23:35777
- MINAICHEV, E. V. Effect of the crystal lattice of silicon on the hyperfine splitting energy of muonium, 24:39843
  - Paschen—Back effect for muonium atom, 24:35175
  - Slow depolarization of μ^+ mesons in some substances, 23:44640
- MINAKAMI, Shegeki Changes in glycolysis of rat thymocytes after a whole-body x-irradiation, 24:4565
- MINAKAMI, Shigeki Changes in blycolysis of rat thymocytes after a whole body x-irradiation, 24:4570
  - X-irradiation effects on glycolysis of rat thymocytes, 22:45431
- MINAKATA, Kayoko Electron spin resonance evidence for positive holes produced in irradiated single crystals of carboxylic acids, 25:41841
  - Radical pair from primary ionic species produced by ionizing radiation, 25:54665
- MINAKI, Yasuo An improved method for liquid scintillation counting of biological materials, 21:17593
- MINAKOSHI, Shin Application of a radiation relay to an interlock system, 21:41066
- MINAKOV, V. N. Structural changes and cold brittleness of molybdenum during deformation, 22:8755
- MINAKOVA, R. V. Durability of W—Ni—Fe alloy. I, 22:38553
  - Hardness of W—Ni—Fe alloy. II, 22:10997
  - Structure of powdered metal W—Ni—Fe alloys, 21:41623
- MINAMI, Ichiro Construction plan on the Shimane atomic power station, 25:1847
- MINAMI, K. Airborne plutonium monitor with alpha spectrometer, 21:36359
  - Diffusion of a weakly ionized helium plasma in a metal chamber immersed in a magnetic field, 21:29200
- MINAMI, Kazuo Anomalous skin effect of microwaves incident on magneto plasmas, 24:17986
  - Anomalous skin effect of microwaves incident on magnetoplasmas, 25:33337
  - Experimental verification of electron cyclotron damping in a plasma with collisional losses, 23:30596
  - Faraday rotation of a microwave through a lossy plasma, 21:16930
  - Instability in weakly ionized afterglow plasma in short tube, 24:35471
  - Matching technique to inject microwave power into high-density plasmas, 23:42227
  - Measurement of magnetoplasma by circularly polarized microwave, 24:30319
- MINAMI, Kentaro Derivation of the working limits of the skin surface contamination, 22:36277
  - Derivation of the working limits of the skin surface contamination, 23:6440 (NSJ-tr-100)
  - Method for assessing neutron dose equivalent rate in operational health physics, 24:50902
  - Nuclear accidents in nuclear installations, 25:8661 (JAERI-4052)
  - Performance of gas monitor employed at fuel reprocessing plant, 22:14613
  - Radiation protection against x-ray diffraction apparatus, 25:13457
- MINAMI, Masatsugu Absorptive part of the scattering amplitude and Feynman integral, 23:39793
  - Cancellation of singularities of Regge-pole terms, 23:39851
  - Canonical formalism for quantized fields in a two-dimensional medium, 25:41064
  - Duality of the nonplanar tetrahedron graph, 25:9693
  - Feynman integral, 22:50444
  - High-energy large-angle differential cross section, 23:46846
  - Homological study of generalized singular functions. II, 22:29748
  - Landau equations for a continuous medium and the Koba—Nielsen kernels in the generalized Veneziano formula, 25:36424
  - Position-space analytic functions dual to the Feynman integrals and their mass-superpositions, 23:8842
  - Quantized fields associated with a two-dimensional medium, 25:41063
  - Quantized fields associated with the annulus-type medium, 25:56563
  - Representation of the Wightman function, 23:39792
  - Veneziano amplitude represented as a vector on a complex plane, 25:41115
  - Vertex functions at large momentum transfer. I, 23:46808
  - Vertex functions at large momentum transfer. II, 24:3788
  - Vertex functions at large momentum transfer. III, 24:8726
- MINAMI, S. Backward K^+-p elastic scattering at 1 to 3.5 GeV/c and spin-parity of $Z_1(1910)$, 22:5591
  - Backward π^+—p elastic scattering at high energy, 22:34865
  - Backward π-p elastic scattering and a modified interference model, 23:23477
  - Baryon trajectories, 22:46418
  - Conspiracy, duality, and π^{+-}, Δ photoproduction, 25:3318
  - Exotic mesons and baryons, 23:21093
  - Forward π^-p charge-exchange scattering at (2 to 18) GeV, 24:20170
  - Imaginary parts of Regge trajectories, duality concept, and meson—nucleon scattering, 25:28036
  - K^--p charge exchange scattering at 1.51 and 1.7 GeV/c, 21:17133
  - K-meson decay and additional strange-0^-—meson trajectory derived from requirement of duality, 25:53117
  - Pion-nucleon interaction near 2GeV/c and π^--p elastic scattering at 180 deg, 21:2477
  - Pomeranchuk trajectory and total cross sections of meson—nucleon scattering, 24:37797
  - Pomeron exchange, the s-channel spin-nonflip amplitude and the existence of the Z^*, 25:33738
  - Proton Compton scattering at 600 to 750 MeV, 21:11751
  - π^-—p charge-exchange scattering near 2 GeV/c, 22:3414
  - Regge trajectories, 21:7501
  - Regge trajectories and K^+ photoproduction, 25:33726
  - Regge-dipole model and $\pi^-p \to \gamma n$ reaction, 25:14704
  - Remarks on the new interference model, 24:42974
  - Rho(ω)-exchange amplitude, duality, and complex conjugate pair of Regge poles, 24:42940
  - Surface (volume) reactions and polarization in π^-—p charge-exchange scattering at high energy, 25:56509
- MINAMI, Shigeo Backward K^-—p scattering at 1 to 2 GeV/c and resonant-state Y^*'s, 21:25298
  - Backward π-p elastic scattering at 1.5 approximately 3.5 GeV/c, 23:10756
  - Boson resonances and nucleon—antinucleon annihilation, 21:13707
  - Duality and p—p (anti p—p) elastic scattering, 24:8678
  - Duality concept and inelastic meson—nucleon scattering at 1 to 3 GeV/c, 24:1599
  - Duality, meson trajectories, and remarks on the Regge-pole model for π^0(eta) photoproduction, 25:36441
  - Forward π—p scattering and a modified interference model, 24:1611
  - K^+—p elastic scattering at 3.5 and 5 GeV/c, 22:41814
  - K—N (anti K—N) scattering based on new interference model, 24:49500
  - Possible decuplet of baryon resonances with J/sup p/ = $1/2^-$, 22:13763
  - Unitarity of S matrix and analysis of the $\gamma + p \to n + p$ reaction at low energy, 22:3338
- MINAMIDA, Isao Base-catalyzed H isotopic exchange reaction of α-deuteriodiphenylthioacetal, 24:16513
- MINAMIKAWA, Toshiyuki Application of Veneziano amplitude to electromagnetic mass differences, 24:40382
  - Canonical quantization of the proper time formalism in the dual resonance model, 25:56480
  - Chiral dynamics, nonleptonic decays of K mesons and derivation of $\Delta I = 1/2$ rule, 22:13817
  - Compton scattering at high energies, 25:59340
  - Electromagnetic mass difference and the structure of baryon and boson, 21:13691
  - Nonleptonic decays of K mesons and $\Delta I = {}^1/_2$ rule, 23:25672
  - Nonleptonic hyperon decay in the quark model, 22:9567
  - SU(3) chiral dynamics, 22:13793
  - Symmetry breaking in SU(3) chiral dynamics, 22:46489
- MINAMIKAWA, Yoshihisa Device for replacement of objects in a high-pressure tank, 21:19131
- MINAMIKAWA, Yoshimasa Osteonecrosis in lower mandible after postoperative radiotherapy, 25:55344
- MINAMISAWA, Hiromi Thrombocytopoietic system in radiation induced hematopoietic death, 24:12287
- MINAMISAWA, Takeru Effects of ionizing radiation on the spontaneous and evoked brain electrical activity in rabbits. II, 23:10068
  - Effects of pre-natal x irradiation on the visual evoked potential in adult rabbits, 25:32571
  - Effects of x irradiation on evoked potentials from visual system in rabbits, 25:32569
- MINAMISONO, T. Electric quadrupole moment of the short-lived beta-emitter ^{12}B, 24:35820
  - Magnetic moment of ^{12}B, 22:26873
  - Nuclear magnetic resonance of 20 ms ^{12}B, 21:38247
- MINAMISONO, Tadanori Magnetic moments of short-lived β-radioactive nuclei ^{12}B and ^{12}N, 23:8943
  - Quadrupole effects in NMR spectra on ^{12}B and ^{12}N, 25:27923
- MINAMOTO, Shin-ichi Some characteristics of electron linac for non-destructive inspection Model ML-15R, 23:25755
- MINARDI, E. Connection between thermodynamical and dynamical stability in the collisionless plasma, 23:16834
  - Entropy and stability of plasma equilibrium configurations, 23:12892
  - Fluctuation levels connected with instabilities of plasma, 24:26224
  - MHD stability of a rotating plasma, 23:32473
  - Thermodynamics of collisionless plasma in a magnetic field, 23:14791
- MINARDI, John E. Computer program for calculation of electric fields in electrofluiddynamic generator, 23:30388 (AD-680006)
- MINARIK, E. B. Spin-independent isovector part of the photoproduction amplitude for neutral pions on nucleons, 21:17085
- MINARIK, E. V. Phenomenological analysis of neutral pion—proton photoproduction near the threshold, 22:13699
  - Photoproduction of neutral pions on protons in the near threshold energy region, 22:1378
  - S-wave threshold amplitudes of neutral pion photoproduction on nucleons and PCAC hypothesis, 25:59373
- MINARIK, F. Activation spectrometry of fast neutrons by IAEA threshold detectors at neutron generators, 24:7641
- MINARIK, Frantisek Analysis of gamma spectra from emitter emitting mutually close energies, 21:26168
  - Radiation protection measures for decontamination of aircraft, 22:28470
- MINARIK, J. J. Liquid helium facility in Argonne CP-5 reactor, 22:20919
- MINARIKOVA, M. Isotope cisternography and myelography, 24:34508
- MINART, P. Treatment of uraniferous solutions on ion exchange resins, 23:38074
- MINASHIN, M. E. 15th anniversary of world's first nuclear power plant, 23:34910
  - Lattice parameters and energy release control in the Beloyarsk reactor, 22:22770
- MINASHIN, V. E. Determination of nuclear core temperatures with heat generation varying in longitudinal direction, 21:38675
  - Heat transfer in rod bundles for longitudinal flow of liquid metal coolant, 22:53481
  - Investigation of nuclear reactor three dimensional temperature field by means of an analogue technique, 21:34143
  - Longitudinal laminar fluid flow in a bundle of rods, 22:30360
  - Simulation methods for thermal hydrodynamics of liquid metal cooled nuclear reactors, 25:46326
  - Temperature calculation in nuclear fuel elements with defects by electrical analog method, 22:53466
- MINASHKIN, V. I. Interaction of La hexaboride with graphite, Mo, and Ta, 24:14730
- MINASI, R. Dismantling, decontamination, and new equipment installation, 24:31559
- MINASSIAN, H. K. Effect of Fe-rich inclusions on fracture of Zircaloy, 23:36105
- MINATI, K. F. Beam plug for radiation shielding penetrations, 25:50476
  - High speed gas-handling system for the Brookhaven National Lab. three-stage tandem Van de Graaff facility, 23:27955
- MINATO, Hiroshi Aromatic sulfonylation. I, 24:20785
  - Primary kinetic isotope effect for phenylation with phenyl radical, 24:4299
- MINATO, Sadamas Spectral properties of the chromophoric material associated with the DNA-photoreactivating enzyme isolated from Baker's yeast, 25:54376 (ORO-3630-12)
- MINATO, Susumu Constitution of terrestrial gamma radiation, 24:50462
  - Evaluation of exposure due to terrestrial gamma-radiation by response matrix method, 24:48314
  - Leakage gamma-ray spectra around KUR, 25:8124
  - Terrestrial gamma-radiation field in natural environment, 25:40728
  - Vertical distribution of the intensity of ionization due to terrestrial gamma-radiation, 25:54790
- MINATTI, N. Angular dependence of the polarization of recoil protons from photoproduction of neutral pions on H between 240 and 420 MeV, 22:29615
- MINC, S. Application of mass spectrometry to the study of primary radiation processes of organic substances, 22:4219
  - Elementary radiation-chemical processes of tetrahydronaphthalene as studied by mass spectrometry, 21:23988
  - Impedance at the Hg/solution interface in gamma radiation, 21:32210
  - Infrared examination of the products appearing in radiation induced oxidation of petroleum, 21:23989
  - Low-temperature irradiations, 23:31389
  - Low-temperature irradiations, 24:7475
  - Radiation induced oxidation of certain petroleum fractions initiated by water emulsion of their radiolysis products, 21:23987
  - Radiolysis of aqueous solutions with particular consideration of Fe(II)—Fe(III) system, 22:4215
  - Synergic and antagonistic effects in extraction of inorganic compounds with a mixture of amines and organophosphoric acids, 21:10427
  - Uranium extraction from sulfuric acid solutions with mono-2,6,8-trimethylnonyl-4- and mono-n-butylphosphoric acids solutions, 21:10429
  - Uranium(VI) extraction from H_2SO_4 solutions with tri-n-octylamine solutions in benzene and carbon tetrachloride, 21:10433
- MINC, Stefan Effect of gamma irradiation on electron work function for surface of industrial silver catalyst under oxygen or ethylene atmosphere at 20° and 120°C, 23:9431
  - Energy transfer in the Al/Al_2O_3 system. I, 24:25703
  - Energy transfer in the Al/Al_2O_3 system. II, 25:2276
  - Gamma radiolysis of liquid decahydronaphthalene, 22:27754
  - Kinetics of the reaction between U oxide (U_3O_8) and Fe(III) ions in sulfuric acid, 21:14200
  - Radiolysis of multiphase systems: hydrocarbons—water—oxygen. II, 22:16575
  - Radiolysis of multiphase systems: hydrocarbons—water—oxygen. I, 22:25382
  - Simultaneous radiolytic and pyrolytic decomposition of decahydronaphthalene, tetrahydronaphthalene, and their mixtures with naphthalene, 22:12377
- MINCER, F. Moving strip irradiation in chest, 24:21165
- MINCER, T. Rotational state distribution of a molecular beam, 24:19726
- MINCHENKOV, G. B. Desorption of gases from metallic surfaces under electron bombardment, 21:13217 (NP-tr-1467)
- MINCIONE, G. Effect of ionizing radiation on the heart, 25:26961
- MINCIUNA, V. Effects of ionizing radiation on Pasteurella infection in hens, 22:4680
- MINCZEWSKI Determination of some components of the soil solution by ion exchange-chromatography: neutron activation method, 22:1998
- MINCZEWSKI, J. Determination of rhenium in molybdenites and copper ores by the neutron activation method, 22:1996
  - Use of acetylacetone extraction from halogen acid medium in determination [by radioactivation] of gallium, indium, and copper in lead and iron, 23:9323
- MINCZEWSKI, Jerzy Colorimetric determination of U with 6(2-thiazolylazo)-3-dimethylaminophenol, 21:32
  - Determination of molybdenum in soil extracts by neutron activation analysis, 23:19684

  - Determination of trace contaminations in high purity materials, 22:4052
- MINDELL, Robert S. Method of measuring glomerular filtration rate, 23:50243
- MINDELZUN, Robert Diagnosis of aortic aneurysm with radionuclide angiography, 23:38634
- MINDER, G. Planning of CERN projects with help of PERT method, 24:45621 (CERN-70-15)
- MINDER, W. Advancements in chemical dosimetry, 22:38331
  - Radiation protection regulations, 21:32664
- MINDER, Walter Atomic protection in agricultural production and the food industry, 23:24669
  - Internal contamination with tritium, 23:38566
  - Internal contamination with tritium, 24:19285 (CONF-680657-2)
  - Primary reactions in radiation biology, 21:12782
  - Radiation chemistry of water, aqueous solutions, and simple organic compounds, 22:27777
  - Radiochemistry of water, aqueous solutions, and simple organic compounds, 21:38977
- MINE, P. Study of 10 GeV/c K^+-nucleus coherent interactions and Q-nucleon cross-section, 25:19913
- MINECKI, L. High frequency electromagnetic radiation, 22:23673
- MINEEV, D. A. Content of rare earth elements in accessory minerals, 23:21831
- MINEEV, F. I. Ion impulse source with a heating cathode in a magnetic field, 21:35372
  - Perturbations in intensive beams of charged particles with a constant diameter focalized by a uniform magnetic field, 22:13620
- MINEEV, G. G. Technological extraction of tantalum and niobium from the intermediate products of tin—tungsten production, 22:45175
- MINEEV, R. I. Ion impulse source with a heating cathode in a magnetic field, 21:35372
- MINEEV, V. I. Bremsstrahlung from 7- to 10-MeV electrons in thin Si crystals, 25:59149
  - Channeling of electrons in thin single crystals of copper, 23:14880
  - Collimating of the inner electron beam in betatron, 24:1704
  - Electron focusing in thin single-crystal copper films, 21:2059
  - Electron scattering and ionization of the inner shells of atoms in crystals, 25:40775
- MINEEV, V. N. EMF produced in compression of lanthanides, 25:52961
- MINEEV, V. S. Cherenkov radiation in nonlinear uniaxial crystal, 25:40764
  - False poles of the scattering amplitude in field models, 23:5713
  - Physical single-particle states in generalized Lee model, 23:32821
  - Single-particle state in the higher sector of Lee model, 25:45798
  - Stable and unstable states in the Vtheta sector of the Lee model, 22:48298
- MINEEV, Yu. V. High-transmission spectrometer for nuclear charges of primary cosmic rays, 21:37210
  - Logarithmic conversion of pulse amplitudes into numbers in a wide dynamic region, 21:10698
  - Stabilization system for a transistorized photomultiplier with semiconductor light pulse source, 21:45465
- MINEEVA, I. G. Micro-distribution of radioactive elements in potassic alkalic rocks, 22:10394
  - Microdistribution of radioactive elements in potassic alkaline rocks, 21:1469
- MINEGISHI, Atsuko Electron spin resonance spectra of irradiated single crystal of L-α-alanine at 77°K, 21:34302
  - Radiolysis of solid L-α-alanine, 21:28002
- MINEHART, R. Level structure of ^{4}H, 22:35213
  - Range chamber for electronic readout, 22:23323
- MINEHART, R. C. Charged particle emission following pion capture in nuclei, 24:52407
  - Charged particle emission following pion capture in nuclei, 25:28178
  - Neutrons from radiative pion absorption on ^{16}O and ^{28}Si nuclei, 24:52447
  - Pion capture in ^{6}Li and ^{7}Li, the formation of ^{4}H, a search for ^{5}H, 23:25820
  - Prog. rpt. on experiments on nuclear interactions of pions, 5/71, 25:38863 (ORO-4043-2)
  - Radiative pion absorption on ^{16}O and ^{28}Si nuclei, 24:38129
  - Ratio of Λ and Σ^0 photoproduction cross sections; high-mass hyperon resonances, 22:11570
  - Search for an excited state of the triton, 23:25777
  - Search for S = + 1 baryon states in photoproduction, 21:35250
  - Search for S = + 1 baryon states in photoproduction, 24:8556
- MINEL, Lea Effect of C and O on rupture of polycrystalline Mo, 25:35409
  - Molybdenum decarburization by annealing at low oxygen pressures, 25:35309
  - Reaction between point defects and Mg atoms in Al irradiated by neutrons, 23:16503
- MINELLI, T. A. Green-function method for the scattering equation, 23:52027
  - Mittag—Leffler expansion of S-matrix integral representation, 24:26533
- MINENKO, V. P. Design of cascades for the separation of multicomponent isotopic mixtures, 21:39135
  - Designing multicomponent isotope separation cascades, 25:13179
  - Investigation of the separation of nitrogen and oxygen isotopes by nitrogen oxide distillation, 21:19739
- MINER, C. E. Design of a magnetic spectrometer, 24:2480
  - Semiconductor detector cryostat, 21:39215
- MINER, Daniel Facility for the performance evaluation of full-size charcoal filters in removing radioiodine, 21:35617
- MINER, Ellis D. Sodium velocity fields in Comet 1965f, 22:43767
- MINER, F. J. Dissolution of plutonium in dilute nitric acid, 25:2153
  - Polarographic behavior of U(VI) in malonic acid media, 21:27901
  - Radiation chemistry of plutonium nitrate solutions, 21:25878
  - Radiolysis of HNO_3 solutions: LET effects, 25:2284
- MINER, Frend J. Electrolytic dissolution of plutonium in nitric acid, 22:30508 (RFP-1136)
  - Radiation chemistry of nitric acid solutions, 23:26269 (RFP-1299)
  - Spectrophotometric determination of plutonium III, IV, and VI in nitric acid solutions, 24:11429 (RFP-1391)
- MINER, R. E. Substitutional—interstitial interactions in Nb—Zr—O alloys, 24:17322
- MINER, Robert Prevention of nerve homograft rejection by immunosuppressive drugs, 22:40951
- MINER, Ronald Earl Substitutional-interstitial interactions in niobium—1 percent zirconium—oxygen alloys, 24:32396
- MINER, W. N. Annealing of self-irradiation induced defects in alpha Pu stored at 87°K, 21:32939
  - Constitution of plutonium alloys, 23:18238 (LA-3870)
  - Kondo effect in LaPu and PrPu alloys, 25:5227
  - Physical properties, 22:2627
  - Resistance minima in nondilute Ce—La and Ce—Y alloys, 23:25450
  - Resistance minima in nondilute Y—Ce alloys, 23:23297
  - Resistance minima in some nondilute rare-earth alloys, 23:8664 (CONF-681020-(Vol.2), pp 847-60)
  - Self-irradiation effects in a Ce alloy containing 15 at. percent Pu, 21:41629
  - Some electrical-resistivity measurements on cerium metals of various purities, 21:16605
  - Transformation-induced precipitation of delta-plutonium in metastable cerium—plutonium alloys, 22:41064
- MINER, William N. Conference on plutonium and other actinides, Sante Fe, N. Mex., 10/70, 25:11372 (CONF-701001-(Pt.1))
  - Conference on plutonium and other actinides, Sante Fe, N. Mex., 10/70, 25:11433 (CONF-701001-(Pt.2))
- MINERBO, Gerald Causality and analyticity in formal scattering theory, 25:20116
- MINERVINA, N. B. Analog—digital complex for calculating fields and trajectories of charged particles, 24:45661
- MINERVINA, Z. V. Direct production of electron—positron pairs by 2.94-GeV/c negative pions, 25:9661
  - Polarization of the Σ^+ hyperons produced on the complex target, 22:1390
- MINES, J. R. Method of pseudo-bound states for stripping to unbound levels, 25:5666
  - Reaction ^{16}O(d,p)^{17}O, 21:25454
  - Spectroscopic factors derived from ^{16}O(d,n)^{17}F measurements, 23:23630
  - Stripping transitions to unbound isobaric analog states, 25:17912
- MINESKI, R. Prompt gamma-ray coal analysis system, 25:48474 (CONF-710402-(Vol.3), pp IV.40-6)
- MINET, P. Dose distribution patterns with orthogonal beams of electrons and wedge filters in the treatment of tumours of the maxillary antrum, 22:51740
  - Physical and clinical considerations of the betatron after two years of use, 22:23565
  - Vascular radiolesions of the skin of mice, 25:21770
- MINET, Pierre Electrontherapy of tumours of the vulva, 22:51719
- MINET, R. Magnetic induction associated with flux transport in superconducting bands, 24:47161
- MINET, Roger Accumulation of continuous intense currents with a flux pump and superconductor transformer, 22:44041
  - Contribution to the use of superconducting shields for magnetic field shaping, 22:11351
- MINETTI, B. Cross sections of (n,p) and (n,α) reactions induced in manganese by 14.7-MeV neutrons, 21:13825
  - Cross-sections of some reactions induced in bromine with 14.7-MeV neutrons, 21:38272
  - Isomeric cross section ratio for ^{110}Pd(n,2n)^{109}Pd reaction at 14.7 MeV, 22:1672
  - Isomeric cross-section ratio for (n,2n) reactions induced by 14.7-MeV neutrons, 22:50583
  - Isomeric cross-section ratios for (n,2n) reactions induced by 14.7-MeV neutrons in In and Sb, 23:1914
  - Measurements of neutron cross sections and isomeric cross section ratios in Se isotopes, 21:33929
  - Spin cut-off evaluation for (n,2n) reactions induced by 14-MeV neutrons, 22:39701
- MINETTI MEZZETTI, E. Grain counting in nuclear emulsions, 25:2457
  - Shrinkage factor in nuclear emulsions, 23:7744
- MINEV, L. Alpha-spectroscopy determination of concentrations of radon daughters in air, 25:18363
- MINEVA, E. Multiplication of common Herpes virus in gamma irradiated cultures of human cells, 25:44983
- MINGALEV, B. S. Effects of synchrotron radiation on the slow ejection of electrons from synchrotron, 25:31044 (NP-18780)
- MINGARRO, E. Disposal of low- and intermediate-level solid radioactive wastes, 22:16796
  - Radioactive disequilibrium. I, 22:30728 (JEN-167-SIG/1-5)
- MINGARRO MARTIN, E. Uranium ore deposits in Ciudad Rodrigo phyllites, 24:22797 (JEN-207-SIG/1-6)
- MINGAY, D. Elastic scattering in ^{12}C + ^{12}C system, 24:49730
- MINGAY, D. W. Angular distributions of deuterons from ^{6}Li(^{12}C,d)^{16}O*, 21:7710
  - Intermediate structure near an isobaric analog resonance, 25:43851
  - Multi-counter particle—gamma angular correlation measurements, 24:33873
  - Neutron induced reactions in silicon semiconductor detectors, 25:45978
  - Nonexistence of 14.6-MeV state in ^{7}Be, 23:15363
- MINGES, John V. Welding of very thin foil, 23:26502
- MINGES, Merrill L. Development of high temperature thermal conductivity standards, 23:6742
- MINGESZ, D. P. Further data on gamma-induced electrical charge and coloration of shielding glasses, 25:5166
  - Further data on gamma-induced electrical charge and coloration of shielding glasses, 25:52492
  - Gastight shielding window design for the Hot Fuel Examination Facility, 24:5868
  - Preliminary design of the HFEF, 24:5725
- MINGESZ, Don ANL Mark-E4A electric master-slave manipulator, 21:6115
  - ANL Mark-TV2: an experimental five-motion head-controlled TV system, 21:6114
- MINGLE, J. O. Accuracy and precision of spectral measurements, 21:7314
  - Analysis of transient temperatures in gamma-heated materials, 21:45303
  - Anisotropic scattering effects for unit cell calculations, 24:7305
  - Application of invariant imbedding theory to Green's functions, 21:7660
  - Invariant imbedding method for curved geometries, 24:8822 (ORO-3858-1, pp 640-52)
  - Iterative methods for multiple slab transport models, 23:19138
  - Order-of-scattering expansions for critical systems, 23:4331
  - Photon—electron transport. I, 25:5167
  - Reflection of high-energy photons from semi-infinite homogeneous slabs by invariant imbedding techniques, 22:4384
  - Scattering of fallout radiation from ceilings of protective structures, 21:28181
  - Scattering of fallout radiation from ceilings of protective structures, 21:41179 (AD-645908)
  - Spherical harmonics convergence studies for critical spheres, 22:20949
  - Theories of reactor flux optimization, 22:6150
- MINGLE, John O. Applications of the invariant imbedding method to monoenergetic neutron transport theory in slab geometry, 21:25403
- MINGUZZI, A. Asymptotic behavior of the B^{+-} spin-flip πN amplitudes, 23:15134
  - Canonical commutation relations and asymptotic behavior of transition amplitudes. II, 22:15793
  - Current algebra and unphysical range in dispersion relations, 21:21235
  - Locality on space of one-particle states, 23:49195
  - New determination of Regge parameters, 22:32132
  - T = 0 and T = 2 π-π scattering lengths, 22:15769
  - Vacuum polarization tensor and equal-time commutators in quantum electrodynamics, 25:28074
- MINGUZZI-RANZI, A. Baryon exchange in $K^-p \rightarrow \Lambda\omega$ and $K^-n \rightarrow \Sigma\omega$ at 3 GeV/c, 25:1423
  - Circuit for labelling as a further automatization in measurements of bubble chamber photographs, 21:16137 (INFN/TC-66/7)
  - Exotic resonances in K^-d interactions at 3 GeV/c, 25:5287
  - Phase shift analysis of K^+p elastic scattering at 780 MeV/c, 21:18919
- MINIER, C. Cobalt electron irradiated at 20°K, 25:11949 (AI-Trans-267)
  - Effect of irradiation on nickel and iron—nickel alloys, 24:14852
  - Energy release and electrical resistivity recovery in Ni following electron irradiation, 25:11977
  - Point defects in gadolinium after electron and neutron irradiation, 23:16875
  - Post-irradiation recovery of two hexagonal, ferromagnetic metals: cobalt and gadolinium, 23:16866 (CEA-CONF-1028)
  - Stage I in irradiated Ni, 23:16867 (CEA-CONF-1029)
  - Study and interpretation of the recovery stages of irradiated zone-refined nickel, 22:28870
  - Study of Co bombarded by electrons at 20°K, 22:26466
  - Temperature measurements of a laser-produced plasma using the recombination continuum, 24:35388
  - Ultra-violet emission from a plasma produced by focusing a laser beam on a solid target, 24:51688
- MINIER, J. Examination of brain and liver by /sup 99m/Tc, 24:32113
  - Study of thyroid with /sup 99m/Tc, 24:32103
- MINIER-CASSAYRE, C. Defect studies in irradiated ferromagnetic metals or alloys, 21:40117
  - Effect of impurities on the recovery stages of electrical resistivity in nickel bombarded by electrons at low temperatures, 21:1920 (AI-Trans-220)
  - Return of resistivity of Nb irradiated with electrons at 20 deg K, 21:512
- MININ, I. N. Radiation diffusion in a plane layer with anisotropic scattering. II, 22:52381
  - Study of interstellar dust, 24:12598
  - Theory of the reflection effect in close binary systems, 22:43713
  - Time-dependent diffusion of radiation, 23:32078
- MININA, V. S. Extraction separation with introduction of intermediate element, 21:27919
- MINISTR, Z. Electrical conductivity characteristics of the two-phase systems, 25:19226
- MINJOLLE, Louis Process for manufacturing neutron detectors and the resulting products, 22:19128
- MINK, J. Investigation of hydrolysis products from uranium trioxide and uranyl salts by derivatography and infrared spectroscopy, 21:1340
- MINK, Janos Investigation of the formation, thermal decomposition, and structure of the UO_3—H_2O system. II, 21:27973
- MINKEVICH, A. N. Carbon diffusion in Mo carbide, 21:9230
- MINKEVICH, A. V. Interaction of gravitation fields with quantum electromagnetic and Dirac fields, 22:18019

Tensor variational equations in field theory, 23:39784
MINKIEWICZ, V. J. Critical and spin-wave fluctuations in nickel by neutron scattering, 23:39568
  High-resolution studies of the critical scattering of neutrons from iron, 23:46895
  Phonon dispersion relation for HCP ^{4}He with molar volume of 21.1 cm^{3}, 22:39153 (BNL-12596)
  Pyrolytic graphite as a high efficiency filter for 13 to 15 MeV neutrons, 25:12352
MINKIN, V. I. Complex compounds of Ti(IV), Sn(IV), and Th in aromatic and heterocyclic azomethines, 22:8076
MINKLER, Bill Heat transfer and fluid flow with applications to pressurized water reactors. Volume I. Chapter 1. Introduction. Chapter 2. Heat conduction in solids, 25:23272 (WAPD-TM-1000(Vol.1))
MINKLER, Jason L. Specific common chromosomal pathway for the origin of human malignancy, 22:7970 (UCRL-50356)
MIN'KO, I. F. ^{32}P transmission from plant to plant, 25:57950
MIN'KO, L. Ya. Investigation of physical processes in an electrode-discharge shock tube, 24:37453
  Investigation of wave processes in a conical-electrode shock tube, 21:7284
  Near-electrode plasma-produced high-current pulse discharges with separated jets at atmospheric pressure. I, 23:51679
  Plasmoid discontinuities in pulsed erosion sources, 25:47555
  Processes in metals under pulsed discharge and laser beam, 21:46376
  Spectroscopic diagnostics of pulse plasma jets at atmospheric pressure and in vacuum, 22:31799
  Spectroscopic investigation of the plasma in a conical-electrode shock tube, 21:7200
MINKOV, V. A. Concerning the use of two-phase systems as a thermodynamic working medium, 21:39116 (AD-651090, pp 53-62)
MINKOVA, A. Method of analysis of thin surface layers by Moessbauer effect, 23:23243
  Study of dead time of self-quenching G-M counter, 21:30718
MINKOVSKII, E. B. Atomic recoil reactions of tritium in binary mixtures of benzene with cyclohexane in the presence of different amounts of iodine, 22:30594
MINKOWSKI, P. Classification of elementary particles induced by the hypothesis of an internal manifold, 23:3774
  Internal manifolds, 23:3770
  Isobars sharing the quantum numbers of the nucleon, 23:27818
  Linear fermion trajectories and absence of MacDowell doublets, 24:28558
  Massive vector meson in external fields, 25:53288
  Regge parametrization for low-energy πN scattering, 25:12211
  Resonance interpretation in Argand diagrams, 24:10748
  Study of a consistent theory for spin-2 mesons, 21:2422
MINKOWSKI, R. Nonthermal galactic radio sources, 22:49963
  Peculiar nebula NGC 6302, 21:26942
  Spectroscopic optical observations of the central star, 24:35052
MINLOS, R. A. Investigation of the spectra of stochastic operators arising in lattice models of a gas, 25:10379 (SC-T-713000)
MINN, Hokee Green's function of time-energy dependent neutron transport equation, 25:28154
  Pulsed energy dependent neutron transport, 25:28156
MINN, Oon Kyoung Complexes of hydrazine-di-acetic acid with rare earths, 22:30662
MINNAERT, Pierre Polarization correlations in high-energy neutrino reactions, 22:26613
  Spin-density-matrix analysis. Positivity conditions and Eberhard—Good theorem, 21:5395
MINNICK, L. E. Economic implications of physics measurements in operating power reactors, 21:27773
  Experience of the Yankee and Connecticut Yankee Nuclear Power Stations, 24:43630
  Safety committee experience in nuclear power plant operation, 24:7017
  Yankee and Connecticut Yankee nuclear power stations, 24:24727
MINNIGERODE, B. Exposure dose rate and absorbed dose rate in radium and ^{60}Co treatment of vocal cord carcinoma, 21:26543
  Isodose configuration in irradiation of vocal cord carcinoma, 22:49344
  Laryngeal carcinoma taken to be somatic-stochastic radiation effect, 23:50799
MINNIGERODE, G. v. Electron tunneling into amorphous superconductors, 22:38998
MINNIS, C. M. Annals of IQSY. I. Geophysical measurements, 22:13378
MINO, Yutaka Effects of radiation on mouse embryos. VI, 23:22397
MINOMURA, S. Superconducting indium antimonide, 21:5230
MINOO, H. Establishment of a general rule for a hollow-cathode arc discharge, 22:52784
  Establishment of a general rule for a hollow-cathode arc discharge, 25:9431 (SC-T-70-4050)
  Hollow-cathode discharges dependent on gas flow in arc operation, 25:9433 (SC-T-70-4053)
  Studies of cathode discharge dependence on gas flow in arc, 22:44176
MINOO, Habibollah Gas pressure and electron density in the active zone level of hollow cathode arc discharges, 25:20872 (NP-18708)
  Gas pressure and electron density in active region of hollow cathode arc discharges, 25:33224
  New operation mode for a hollow-cathode arc discharge, 25:9432 (SC-T-70-4051)
MINOR, A. Development of isotope fueled thermionic generator for about 30 W electrical power, 24:19161 (BMBW-FBK-69-44)
MINOR, Gregory C. Nuclear reactor power monitor system, 25:28672
MINOR, J. E. Low-level radioactive waste containers in an accident environment. I and II, 21:16087 (SwRI-1262-4)
MINOR, M. M. Direct interaction effects in the fission of ^{238}U with 63.5-MeV ^{4}He ions, 25:12526 (MNC-3783-7)
  Energy levels of ^{176}Lu, 24:15919
MINOR, Michael M. Nuclear levels in ^{177}Lu and ^{175}Lu, 25:28424
  Reaction spectroscopy populating three quasi-particle rotational bands, 22:27150
MINOR, Michael McLean Two- and three-quasiparticle states in deformed nuclei: ^{175}Lu, ^{176}Lu, ^{177}Lu, and ^{178}Hf, 24:10996
MINOR, T. C. Nuclear sizes by measuring total cross sections for fast neutrons, 23:47069
MINOR, W. Spinning single crystal TOF method for structure analysis, 24:9723
MINOT, Henry Increase in miscible deoxycytidine pool in rats after irradiation, 23:35646
MINOT, Henry J. Early increase in the miscible deoxycytidine pool in rats after x irradiation, 23:33620 (AD-680611)
MINOURA, Yuji Polymerization of butadiene sulfone, 21:8352
  Studies on polymer blends. II, 22:27747
MINOVANOVIC, Aleksandar Radiation and wound healing, 25:39936
MINOW, Martin Random generation of sentences from context free and context sensitive phrase structure grammars, 21:34183 (COO-1469-0039)
MINOWA, Yoshibumi Nondestructive testing with electron Linac, 24:33075
MINOWADA, J. Translplantation antigens of mouse sarcomas, 21:43517
MINSART, G. Analysis of possibility of large-scale irradiation of fast reactor fuel in BR2 materials-testing reactor, 22:35630
  Choice of operational parameters of BR2 reactor, 21:30100 (BLG-119(Rev.1))
  Implications of fundamental integral measurements on high-energy nuclear data for reactor physics, 25:15349
MINSKI, Margaret Maximum permissible intakes of ^{35}S-L-methionine and ^{35}S-sodium sulfate, 25:21710
MINTEN, A. Baryon resonances in SU(3), 21:46576
  Comparison of electron—proton and positron—proton elastic scattering at four-momentum transfers up to 5.0 (GeV/c)^{2}, 22:44302
  Electron scattering, form factors, vector mesons, 23:49072 (CERN-69-22)
  Energy distribution of 1-Mev electrons in electron-electron scattering, 21:621
  Formation of Y/sub 1/* (1665) in reaction $K^{-}n \rightarrow \Sigma^{-0}\pi^{0-}$, 23:32625
  Pi^{0} photoproduction from H at backward angles, 23:49031
  Plans for physics with the intersecting storage rings, 24:18314 (CERN-69-29, pp 97-122)
  Small-angle pion flux produced in a thick beryllium target by high-energy electrons, 21:17229
MINTER, F. J. Spatial distribution of irradiation damage spots, 23:22601
MINTI, H. Eclipsing variable stars photoelectrically observed during 1966—1967, 23:20582
MINTI, Hari Approximating functions for eclipsing binary solutions, 25:801
  Programming attempts of the orbital element determinations for the eclipsing variable stars, 25:43020
MINTON, B. M. Two-variable expansion of scattering amplitude, 24:3772
MINTON, C. D. T. Titanium, zirconium, and niobium, 21:43615
MINTON, G. H. Integral calculation of three-dimensional nuclear-thermal-hydraulic interaction, 21:7972
MINTON, George H. Development of large scale digital computers and nuclear power reactors, 23:47168 (CNM-R-2(Vol.1), pp 594-609)
  Nuclear reactor, 25:23267
MINTON, John P. Effect of high energy laser pulses on the primate liver, 21:11082
  Light-absorption characteristics of tumor tissue at ruby and neodymium laser energy wavelengths, 22:4617
MINTON, John Peter Exposure of cloudman S-91 melanoma in the CDBA/2F$_{1}$ hybrid mouse to neodymium or ruby laser radiation, 21:12943
  Immunologic studies of laser energy or electrocautery, 23:50384
  Method to determine laser wavelength absorption capabilities of experimental malignant tumors, 21:13001
  Noble gas ion laser as a light knife, 21:11102
  Oncolysis with laser energy combined with chemotherapy, 21:26484
  Pulsed laser energy in multiple pulmonary metastases, 22:25901
  Ruby laser radiation on the Cloudman S-91 melanoma in the CDBA/2F$_{1}$ hybrid mouse, 21:26474
  Spectra observed from the laser plume in normal and malignant tissue of rodents: a preliminary report, 21:30770
  Utilization of cyclophosphamide to potentiate tumor destruction by laser energy, 21:16422
MINTS, A. L. Accelerator development activity of the Radiotechnical Inst, 23:27970
  Cybernetic proton accelerator (1 GeV): model of 1000-GeV accelerator, 22:32289 (CEAL-2000, pp 352-5)
  Cybernetic proton accelerator (1000-GeV) studies, 22:32238 (CEAL-2000, pp 4-8)
  Development of research on the realization of cybernetic accelerators, 22:48396
  Development of super-high energy (1000 GeV) proton synchrotron, 22:7597
  Electronic system of the 70-GeV proton synchrotron, 23:28053
  Injector for the Serpukhov PF: start-up works, 22:32274 (CEAL-2000, pp 255-60)
  Linear accelerator-injector, 23:19104
  New proton accelerator, 21:42501
  Principles of automatic control increase of accelerator energy, 22:44538 (JPRS-46039)
  Radio—electronic system of 70-GeV proton synchrotron, 22:32345 (CEAL-2000, pp A120-4)
MINTS, A. Z. Small UNG-1 neutron tube, 24:8829
  Small-size neutron tube of UNG-1 type, 25:20228 (CSIRO-Trans-10095)
MINTS, Alexander L. Cybernetic accelerators, 25:50515
MINTS, M. M. Effect of x-rays on uropepsin excretion, 22:51770
  Remote results of roentgen therapy of retroperitoneal malignant tumors in children, 21:28536
MINTS, R. G. Quantum oscillations in superconductors, 25:38318
  Resonance in superconductors, 25:33187
MINTS, R. I. Parameters of energy spectra of exoelectrons from metal surfaces, 24:35160
MINTS, R. S. Phase equilibria in system Ni—Ni_3Al—Ni_3Nb in temperature range 800 to 1200°C, 24:10101
  Strengthening of Ni_3Al alloy by compound Ni_3Nb, 25:47137
  Studies of γ- and γ'-solid solutions of Ni—Al—Nb—Mo systems, 24:14715
  Use of simplex lattice method for construction of composition—property diagrams, 21:36875
  Wrought heat-resistant alloys of Nb—Ni—Al system, 23:8230
MINTSBERG, B. L. Pulsating flow of a conducting liquid in a plane channel, 23:48795
MINTY, C. C. J. Radioisotopes in medicine. VI, 22:4682
MINTY, Cyril C. J. Treatment of metastatic thyroid carcinoma with radioiodine, 23:41369
MINTZ, Betty Optical identification of southern radio sources, 25:55725
MINTZ, G. Scintillation scanning in studying regional arterial flow of the extremities in vascular disorders of connective tissue, 23:48159
MINTZ, Michael D. Finite difference representation and solution of practical heat-transfer problems, 21:3212 (UCRL-7960(Rev.2))
MINTZ, S. L. Muon-capture rate in ^{6}Li and the PCAC hypothesis, 24:24518
  Pseudoscalar form factor in weak leptonic nuclear processes, 25:25393
MINTZER, David Electron distribution function in a slightly ionized moving gas, 23:30556
  Energy coupling at a two-fluid plasma density discontinuity, 21:13582
MINUSHKIN, B. Development of a continuous electrochemical meter for oxygen in sodium, 22:19196 (UNC-5131)
  Ionic range of ThO_2—15 wt. percent Y_2O_3 at high oxygen activities, 25:26262
  Liquid metal oxygen meter, 22:28211 (UNC-SPLM-61)
  Plugging meter and continuous oxygen meter, 22:19194 (TID-24284)
  Solubility and reactions of oxygen in sodium, 24:13652 (BNL-14249)
  Solubility and reactions of oxygen in sodium, 25:2711
  Study of reactions between oxygen and impurities in sodium, 23:9345 (BNL-13114)
MINUSHKIN, Bertram Calibration of electrochemical O meters in K, 21:43607
MINUTOLI, A. Dosimetric evaluations and hystological and hystoenzymatic modifications in rat kidneys after injecting chlormerodrin-^{203}Hg, 22:49334
  Scintigraphy of internal mammary system, 22:40734
  Serum immunoglobulin in patients treated with radiotherapy, 22:465
MINYAEV, O. A. Production of monochromatic beams using cyclotron acceleration, 25:31121
MINYAEV, V. N. Control system of stability of magnetic field in Erevan electron synchrotron electromagnet blocks, 23:27912
MINYA'LENKO, N. A. Heat transfer and hydraulic resistance to argon flowing in pipe, 24:370
MINYATOV, A. V. Cathode sheath in a distributed magnetoplasma, 25:59035
MINZATU, I. Angular correlation measurements in the $^{11}B(p,n'\gamma)^{11}C$ reaction for E/sub p/ = 7.8 MeV, 22:3606 (IFA-CRD-35)
  Angular distribution of neutron polarization from $^{11}B(p,n)^{11}C$ reaction, 21:21427
  Polarization of neutrons from the $^{11}B(p,n)^{11}C$ reaction, 21:29898
MIODUSZEWSKI, Daniel Paul Kinetic-theory boundary-value problem in a flowing plasma, 23:42295
MIOERNER, G. Detectors in studies of regional lung function by ^{133}Xe radiospirometry, 25:13520
  Four quandrant radiospirometry in normal and diseased states, 25:4671
MIOERNER, Gunnar Xenon-133 radiospirometry, 22:51794
MION, Charles Use of extra-renal purification methods in the treatment of tritiated water contamination, 24:39496 (CEA-R-3974)
MIORNER, G. Bronchospirometry of ^{133}Xe radiospirometry in study of regional lung function, 22:25775
MIOTKE, J. A. Pulse count converter system, 23:50206 (GEPP-68)
MIOTTI, R. Therapy of diarrhea after x irradiation, 23:50645
MIOTTI, Umberto Solvent and isotope effects in the thiocarbonyl elimination of 4-phenylbenzhydryl thiocyanate, 23:28833
MIQUEL, J. Effects of α particles on longevity of Drosophila melanogaster, 25:11248
  Glycogen accumulation in monkey and cat brain exposed to proton radiation, 21:43344
  Incorporation of ^{14}C in cerebral glycogen of normal and x-irradiated rats, 25:4453

Synthetic and hydrolytic enzymes of glycogen in the normal and the irradiated rat brain, 24:44438
Uses of ionizing radiation in experimental neuropathology, 22:40863
MIQUEL, Jaime Differences between radiation-induced life shortening and natural aging in Drosophila melanogaster, 23:31889
Effects of radiation on the hypothalamus in monkeys, 22:49497
Effects of roentgen radiation on glycogen metabolism of the rat brain, 21:6705
MIQUEL, Jaime Delayed radiation effects in brains of monkeys exposed to x and γ rays, 22:51932
MIQUEL, P. Processing of irradiated fuels based on slightly enriched uranium oxide, 22:47222
Reprocessing of fuel from the Rapsodie, 25:39581
MIQUEL, Pierre Exploitation of a chain of chemical cells proposed for studying the reprocessing of highly irradiated fuels, 23:2399
Investigation and testing of extraction procedure used in Japanese plant, 22:35892
Reprocessing of irradiated reactor rods with rapsodie fast neutrons, 23:49884 (CEA-CONF-1361)
MIR, F. Appearance of a yield point in vanadium alloys, 21:3506
Occurrence of a distinct yield point in vanadium alloys, 22:2616 (ORNL-tr-1791)
MIR, K. L. Unitarity in dual models, 24:52082
MIR, Khalid L. Lower bounds on total cross-sections for meson—baryon scattering and the modified Pomeranchuk theorem, 25:59474
MIRA, E. Human larynx irradiated with various therapeutic methods, 23:48179
MIRACLE-SOLE, Salvador Statistical mechanics of quantum mechanical particles with hard cores. II, 25:17339
MIRAGLIA, F. J. Jr. Error analysis of a safeguards measurement system, 24:449
SNM measurement errors based on safeguards inventory verification duplicate samples, 25:32171 (CONF-700541-, pp 177-89)
MIRAKHMEDOV, A. K. Electron microscopic and hystochemical studies of small intestine following ^{60}Co γ irradiation, 23:38475
Electron-microscopic investigation of compensatory hypertrophied adrenal gland, totally irradiated by γ-rays of ^{60}Co, 23:8070
Results of histochemical studies of glycogen and liver cells ultrastructure of irradiated rats, 25:13378
MIRALDI, E. Isomeric cross-section ratios for reactions producing the isomeric pairs ^{69}Zn and /sup 69m/Zn, ^{71}Zn, and /sup 71m/Zn, 23:3969
MIRALDI, Floro Neutron flux distributions for water reflected spherical cavity system, 21:33859 (NASA-CR-72231)
Tomographic techniques in radioisotope imaging, 24:34447
MIRALDI, Floro D. Temperature-dependent kinetics of a two-dimensional circulating fuel reactor, 22:32888
MIRAND, Edwin A. Conference on gnotobiology, Buffalo, 6/68, 24:617
MIRANDA, A. Consistency check for Bohr vibrational model, 25:18033
Correlations in some single closed shell nuclei, 21:7842
Nuclear structureless internal conversion particle parameters in the K- and L-shells, 21:13931
Two-nucleon transfer reactions with lead isotopes, 22:32601
MIRANDA, C. Ultra-violet diffuse reflectance spectra of the hydrated oxides of Pa(V) and of Nb(V) and some related compounds, 23:11510
MIRANDA, C. F. Half-life of ^{231}Pa, 23:40051
MIRANDA, M. D. Abundance of isotopes of Pb in rock of Deccan traps, 21:32095
MIRANDA, U. Contribution to safeguards studies in fabrication plants, 25:21295
MIRANDA, Ugo Safeguard and control techniques for nuclear materials, 24:14235
MIRANDE-IRIBERRY, J. Osseous scintigraphy with aid of ^{47}Sc and scintillation camera, 24:7954
MIRANDOLA, R. Psico 10: facility for testing containment for nuclear plants, 23:52392
Scalbatraio Center for research in nuclear safety, 24:43784 (CONF-700608-13)
MIRANSKII, I. A. Neutron-activation determination of Re in Mo concentrates, 22:37680
Preparation of radioactive carrier-free rhenium from proton-irradiated tungsten, 23:2360
Radioactivation determination of rhenium by using ampoule neutron sources, 23:2196
Rhenium determination by neutron-activation methods, 22:21038
Rhenium determination by radioactivation analysis using ampule neutron sources, 22:4031
MIRANSKII, V. Dispersion sum rules in quantum field theory, 25:33810
MIRANSKII, V. A. Asymptotic properties of electron—proton scattering amplitude and sum rules for Schwinger term, 25:9701 (ITF-70-73)
Equal-time computator, sum rules and ward identities in axiomatic quantum field theory, 25:9837 (ITF-70-57)
Equal-time current commutator and sum rules in the axiomatic field theory, 25:53305
Generalized Veneziano model, 24:49629
Generalized Veneziano model, 25:9888 (ITF-70-78)
Pomeranchuk trajectory and J = 1 fixed poles in virtual Compton amplitude, 25:33648
Scaling, Pomeranchuk trajectory and J = 1 fixed poles in virtual Compton amplitude, 25:43584 (ITF-71-27-E)
Towards a unitary phenomenological amplitude of strong interaction, 23:39686 (ITF-69-37)
MIRARCHI, U. Metallic oxides, carbides, nitrides, borides, and silicides in the technology of high and very high temperature, 21:5002
MIRAS, Constantinos J. Effect of ionizing irradiation on oxidation of palmitate-1-^{14}C by thymus and liver, 23:6394
Effect of ionizing irradiation on the lipid biosynthesis by thymus and liver, 22:51473
MIRAT, Paul Method of and device for pressure difference measurement, 21:22081
MIRAVET, L. Calcium and strontium metabolism, 24:31835
MIRCHINK, M. F. Possible methods for a multilateral study of oil wells by pulse-neutron and acoustical methods, 24:7521
MIRCHINK, T. G. Resistance of fungi to γ radiation, 23:43909
MIREK, Teresa Blood in rats after high doses of x radiation, 25:52186
Influence of bis(-3-hydroxypropyl) trisulfide on the peripheral blood in rats irradiated with large doses of x-rays, 25:19131
MIREL, Constantin Studies on uranyl chlorides, 24:43993 (NP-18248)
Studies on uranyl chlorides. I, 21:1337
MIRELS, H. Performance of a 500-kJ MHD wind tunnel, 24:17740
MIREMADI, B. Backscatter currents from thin Ag films under bombardment by atomic projectiles, 24:28072
Neutron—neutron angular correlation in reaction ^{2}H(n,p)2n at 14.1 MeV, 22:35215
Positive charge liberated from a silicon crystal under bombardment by heavy ions, 24:6629
MIRENKOV, A. F. Determining the gamma radiation leakage from a long source rod through the flat joints of the shield assembly, 24:51768
Testing of a chromite concrete thermal shield model of a reactor, 24:31056
MIRENSKAYA, I. I. Polyhydroxy flavones as extraction reagents, 25:41738
MIRES, R. W. Correlation structure of ^{6}Li, 25:5564
MIRES, Raymond W. Magnetic anisotropy of V_2O_3 single crystals, 25:17303
MIRETSKII, V. Yu. Optimization by the mathematical design method of the radiochemical synthesis of dibutyltin dibromide, 25:48504
Radiation-chemical synthesis of dialkyltin dibromide. I, 23:40698
Radiation-chemical synthetic reactions with alkyl halides, 23:47491
MIRGALOVSKAYA, M. S. Phase diagram of the Mg—Mn system, 21:24782 (UCRL-Trans-10088)
MIRIANASHVILI, G. M. Ion source for measurement of isotopic composition of solid-state samples, 23:6074
MIRIANASHVILI, M. M. Relativistic motion of particles in a scalar field, 23:51991
MIRIANASHVILI, Sh. M. Low-temperature irradiation of indium antimonide with fast neutrons, 21:846
MIRIC, I. Accident dosimetry in Yugoslavia, 25:11083
MIRIC, Ivanka Neutron dose determination with activation and biological detectors, 25:58019
MIRIC, P. Accident dosimetry in Yugoslavia, 25:11083
MIRIMOVA, T. D. Changes in the reactivity of the autonomic nervous system in children at late periods after radiotherapy, 23:6603
Subsequent effects from the application of radiation therapy to children, 24:9964
MIRIN, A. A. Theoretical study of E-layer and plasma behavior in Astron, 25:38331 (CONF-710607-11)
MIRIN, Arthur Third order difference methods for hyperbolic equations, 24:16371 (NYO-1480-136)
MIRIN, Arthur A. Difference methods for hyperbolic equations using space and time split difference operators of third order accuracy, 25:8186 (UCRL-72806)
MIRION, I. Considerations about synthesis and sintering of nuclear ceramic fuels (UO_2 and UC), 24:42203 (IFA-MN-10)
MIRISZLAI, E. Determination of Na and K by neutron activation analysis, 22:21406 (KFKI-6/1967)
Neutron activation analysis of sodium and potassium of inner ear, 23:4565
MIRJAN, J. Effect of γ irradiation on phosphorous metabolism and nucleic acid synthesis in wheat seedlings, 25:13597 (NP-18606)
MIRKAMILOV, I. M. Radiation graft-copolymerization of 2-vinylpyridine with cellulose, 22:21115
MIR-KASIMOV, R. M. Coulomb field and nonrelativistic quantization of space, 21:15236
Difference hypergeometric equations and relativistic Coulomb problem, 22:48372 (JINR-E2-3948)
Exchange degeneracy and relations between cross-sections at high energies, 22:46535 (JINR-P2-3944)
Hypergeometric difference equations and Coulomb relativistic problem, 23:27774
Potential scattering amplitude, 24:43060
Problem of dispersion sum rules, 21:25348 (JINR-P2-3198)
Quasi-potential approach and the expansion in relativistic spherical functions, 22:32220
Quasi-potential equation for the relativistic harmonic oscillator, 25:5405 (JINR-E2-5339)
Quasipotential equation for particles with spin 1/2 in configuration representation and relativistic spherical spinors, 25:25342 (JINR-P2-5605)
Quasipotential equation for relativistic harmonic oscillator, 25:52979
Regge trajectory splitting and relations between high energy cross sections, 21:27342 (JINR-P2-3251)
Relativistic quasipotential equation with local interaction, 23:18752 (JINR-P2-4107)
Relativistic quasipotential equation with local interaction, 23:42764
Relativistic three-dimensional equations for the two-body problem in the unequal mass case, 23:3658 (JINR-E2-4030)
Relativistic two body problem and finite-difference calculus, 22:46532 (JINR-E2-3949)
Relativistic two-body problem and finite-difference calculation, 23:18768
Representation for relativistic scattering amplitude at high energies, 25:9749 (JINR-E2-5341)
Representation for the relativistic scattering amplitude at high energies, 25:36601
Schroedinger difference equation for two relativistic particles in the simplest cases, 22:46533 (JINR-E2-3950)
Schroedinger's difference equation for two relativistic particles, 23:25707
Three-dimensional relativistic equations for system of two particles with unequal masses, 24:40466
MIRKHODZHAEV, A. Kh. Kinetic labelled compounds for functional assessment of liver, 25:16240
Use of radioisotope methods in study of liver function, 25:527
MIRKIN, Bernard L. Catecholamine binding protein, 21:6414
MIRKIN, I. A. Uranium—alkaline metal fluoride interaction, 23:38081
MIRKIN, L. A. Motion of charged particles in model of magnetosphere, 25:16978
MIRKIN, L. I. Erosion in metals irradiated with laser, 23:43991
Stellar—diurnal variations in cosmic-ray intensity, 21:29060
Strengthening hard alloy by a light ray, 21:41659
MIRKINA, S. L. Comparison of radiochemical and colorimetric methods for U and Th determination, 22:25288
MIRKOTAN, S. F. Contribution to the method of investigating ionospheric drifts, 25:16918
Drift of small-scale inhomogeneities at Mirny (the Antarctic), 21:39927
Investigations of ionospheric drifts in USSR, 21:5161
Method of measuring absolute phase heights in the ionosphere, 24:12745
Verification of relationships for estimating the error in phase measurements, 22:24122
MIRKOWSKI, C. Radiometric methods of determining the content of mineral matter (ash) in coals from upper silesia and in brown coals from the Turow mine, 22:40047
MIRMAN, R. Classification and complete reducibility of representations of compact inhomogeneous groups and algebras, 23:18935
Coherent superposition and nonexistence of superselection rules, 24:37676
Coherent superposition of charge states, 24:12961
Physical basis of combined symmetry theories, 23:42702
MIRMAN, Ronald Representations of inhomogeneous SU(n) groups with mixture of homogeneous and inhomogeneous operators diagonal, 21:17144
MIRNA, A. Color changes in irradiated meats, 21:11165
Routine method for determination of low ^{137}Cs activities in biological samples, 25:10482
MIRNIK, M. Effect of tertiary aliphatic amines on heterogeneous isotopic exchange, 23:49775
MIRNOV, S. V. Correlational method of studying plasma instabilities in Tokamak-3 apparatus, 24:45267 (ORNL-tr-2352)
Effect of shape and magnitude of discharge current pulse on plasma confinement and heating in Tokamak-3, 25:30461 (MATT-Trans-79)
Energy confinement time of plasma as function of discharge parameters in Tokamak-3, 24:28227
Energy of plasma in T-3 installation, 24:45229
Experiments with large values of β/sub I/ in Tokamak-3, 25:1225
Instabilities of plasma column in Tokamak-3 device, 25:17204
Insulation of plasma in "Tokamak" installation, 21:33373
Investigation of macroscopic instabilities of a plasma column in Tokamak devices, 25:38469 (CONF-710607-76)
Investigations of plasma confinement and heating in Tokamak T-4 device, 25:38337 (CONF-710607-31)
Measurement of energy of plasma in T-3 installation, 25:19662
Measurement of ion temperature in TOKAMAK-3 from Doppler broadening of spectral lines of neutral hydrogen and deuterium, 24:15276 (CTO-681)
Measurement of the diffusion lifetime of the plasma in the Tokamak-3 machine by the injection of neutral hydrogen, 25:49867 (MATT-Trans-106)
Measurements of ion temperature in Tokamak-3 device, 24:30321
Measuring plasma energy using Tokamak-3 apparatus, 23:12762 (IAE-1601)
Nature of large-scale instabilities in Tokamak, 25:52841
Plasma containment and heating in Tokamak-3, 23:27604
Plasma energy lifetime and discharge parameters in TOKAMAK-3, 23:36647 (NP-tr-1798)
MIRNOV, V. V. Influence of ion—acoustic instability on skin effect in plasma, 24:10543
Instability associated with distribution of ultrarelativistic electrons in radiation belts, 25:16972
Ohmic resistance of an inhomogeneous plasma, 24:35425
Skin effect in a corrugated magnetic field, 25:40617
MIRO, L. Biological effects of the heavy ions in cosmic radiation, 25:11280
Considerations relative to the calculation of radiation doses, 24:35110
Considerations relative to the calculation of radiation doses in view of the quantification of biological effects in the case of supersonic transport, 25:46825 (ORNL-tr-2466)
Effects of high frequency electromagnetic fields on the uptake of methionine ^{35}S by the spleen and liver of mice, 21:43534
Visceral lesions observed in mice and rats exposed to ultra-short waves. study of the effects of these waves on reproduction of these animals, 24:19365
MIRO, Luis Visceral lesions in mice and rats exposed to ultrashort waves. Effects of these waves on reproduction, 22:40895

MIRO, Milagros Barium and Sr determination in biological materials, 24:26975
  Sequential determination of stable barium, strontium, calcium, and magnesium in biological materials, 24:7395 (HASL-212)
MIROCHNIK, E. A. Accelerating structures with ring coupling resonators, 25:31078
  Linear proton accelerator I-2. VII, 22:32416
MIROGUCHI, Masaru Studies on radiation renal damages. II, 22:21435
  Studies on radiation renal damages. III, 22:38227
MIRON, C. Determination of transfer constants for a separation column by successive exchange between three fluids by simulation on an analog calculator, 22:51178 (IFA-IS-51)
MIRON, I. Irradiation of ceramic nuclear fuels, 21:46029 (UCRL-Trans-10131)
MIRON, J. Coulomb displacement energies of nuclei, 21:2617
MIRON, N. F. Direct observation of fluctuations of deuterium distribution in $(Nb_{0.33}Ti_{0.66})D_{0.33}$, 25:58278
  Neutron-diffraction investigation of zirconium nitride-hydride, 24:46752
MIRONE, M. Core performance and safety margins in the Garigliano BWR power station, 21:15686
  Core performance and safety margins at increased power in the Garigliano reactor, 21:27754
  Special tests conducted at the Garigliano BWR power station, 22:25016
  Tests conducted at the Garigliano BWR, 21:27701
MIRONE, Paolo Infrared and Raman spectra, conformation, and vibrational assignment of acetic and perdeuteroacetic anhydrides, 24:27073
MIRONENKO, A. V. Effect of presowing ^{60}Co γ-irradiation of lupine seeds on alkaloid accumulation, 22:17056
MIRONENKO, N. I. Contents of sulfhydryl groups in RS-1 tumor in irradiation during tourniquet anoxia, 24:34417
  Protein fractions and sulfhydryl groups in Ehrlich's ascites carcinoma cells with secondarily increased radioresistance, 24:9771
  Soluble proteins in RS-1 tumor in irradiation during tourniquet anoxia, 24:34591
MIRONENKO, V. L. Plasma diagnostics with an open cylindrical cutoff resonator, 25:22495
MIRONER, Alan Vortices and wakes in low-speed, thermal plasma flows, 22:39134
MIRONESCU, St. Nucleolar behavior in regenerating liver of normal and whole-body-irradiated rats, 22:10733
MIRONOV, A. V. Close binary stars in globular and old open clusters, 25:40180
MIRONOV, B. A. Influence of soil moisture on ^{35}S, ^{60}Co, and ^{90}Sr in soil-plant system, 24:7775
MIRONOV, B. V. Electrostatic accelerator with overcharging, 23:17030
MIRONOV, E. S. Compensating system for introduction of particles in the constant field of storage rings, 23:10900
  Magnetic nonlinear correction in cybernetic accelerator 1-GeV model, 22:32338 (CEAL-2000, pp A100-2)
MIRONOV, K. E. Bibliography on rare-earth elements, 24:20742 (AEC-tr-6981)
  Compounds of rare earth metals with elements of nitrogen subgroup, 23:8299 (CONF-681020-(Vol.2), pp 521-8)
  Compounds of rare earth metals with elements of the nitrogen subgroup, 23:43301
  Extraction in the system $Nd(NO_3)_3$—HNO_3—H_2O—$(C_4H_9O)_3PO$, 24:9467
  Preparation and analysis of praseodymium monophosphide, 21:13246
  Thermal stability of praseodymium monophosphide, 23:9403
MIRONOV, N. F. Beryllium: new construction metal, 23:43973
MIRONOV, O. G. Effect of extracted seaweeds on migration of ^{90}Sr and ^{137}Cs from seas to land, 21:10827
MIRONOV, O. N. Theoretical and experimental investigations of volt—ampere characteristics of lithium plasma sources, 22:9389
MIRONOV, O. S. Effect of oxides on the properties of molybdenum, 21:11227
MIRONOV, S. P. Admixed states in V alloys, 24:10618
  Helium multiwire detector for thermal neutrons, 24:14262
MIRONOV, V. A. Plasma lamination in a high-frequency field, 24:17938
  Relaxation oscillations of plasma in an inhomogeneous hf field, 24:51742
MIRONOV, V. I. Experiments on acceleration of α-particles by collective method, 25:36615 (UCRL-Trans-1434)
  Experiments on α-particle acceleration by collective method, 25:12305 (JINR-P9-5558)
MIRONOV, V. N. Passage of radiation through inhomogeneities in shields, 22:34733
  Streaming of radiation through holes from surface emitters, 21:21045
  Transport of the nuclear radiation in shield irregularity, 24:1982
MIRONOV, V. P. Investigation of forms of stabilization of ^{35}S and ^{32}P in carbon tetrachloride irradiated in a reactor, 25:21035
MIRONOV, Yu. I. Thermal stability of praseodymium monophosphide, 23:9403
MIRONOVA, A. P. Raising the radiosensitivity of the nervous system with ferment poisons, 21:32762
MIRONOVA, E. A. Effectiveness of phosphine analogues of complex-forming agents in eliminating ^{91}Y and ^{144}Ce from organism of the rat, 23:22319 (AEC-tr-6944, pp 615-21)
MIRONOVA, T. M. Effect of neutron irradiation on tissue metabolism processes, 21:4766
  Influence of cortisol and adrenalin on carbohydrate metabolism of adrenalectamized rats subjected to neutron irradiation, 25:44937
MIRONOVICH, Yu. N. Correlation of differential methods for resolving transport equations, 23:46532
  Methods of calculating fast reactors, 23:52454 (JPRS-48331, pp 82-105)
MIRONOW, W. I. Investigation of the practicability of a reactor installation for sea water desalination, 22:39872
MIRONYUK, G. V. Modification of survival of irradiated yeast by ethanol treatment. II, 25:39956
MIROSHIBA, Shigos Asymmetrical probe methods for measurements in streaming plasma, 22:22141
MIROSHINCHENKO, G. A. Heating of plasma ions by an external stochastic field, 23:18595
MIROSHKIN, V. V. System for photography in bubble chambers with small inspection windows, 22:30864
MIROSHKINA, E. M. Effects of aluminum oxides on the activation energy of creep of niobium, 25:19277
MIROSHNICHENKO, G. P. Effect of x radiation of adaptive function of "soluble" Azotobacter RNA, 22:19259
MIROSHNICHENKO, I. I. Angular distributions of protons in the (γ,p) reaction on ^{7}Li at photon energies 620 and 1115 MeV, 24:38110
  Coherent bremsstrahlung on a diamond monocrystal, 24:35595
  Excitation functions of reactions (γ,p) and (γ,d) on ^{12}C at photon energy 400 to 1400 MeV, 23:39948
  Investigation of (γ, p) reactions in ^{7}Li using a beam of quasi-monochromatic and polarized photons, 24:3851 (NP-18036)
  Investigation of (γ,p) reaction on ^{7}Li nucleus by means of a beam of quasimonochromatic and polarized photons, 23:37118
  Mass number dependence of (γ,p) and (γ,d) cross sections at 700 and 1200 MeV, 24:3858
  Radial shaping of a beam in an electron linear accelerator, 22:5692
  Reactions (γ,p), (γ,d), (γ,t) on nuclei ^{7}Li, ^{12}C, and ^{181}Ta with photon energies 400 to 1300 MeV, 23:37117
  Yields from photonuclear reactions $^{12}C \rightarrow {}^{11}C$, $^{27}Al \rightarrow {}^{24}Na$, $^{28}Si \rightarrow {}^{24}Na$ for high energy photons, 22:3625
MIROSHNICHENKO, L. I. Absolute fluxes of particles accelerated on Sun Feb. 23, 1956, 25:32995
  Cosmic rays and the terrestrial atmosphere, 24:30172 (N-70-16721)
  Dependence of the diffusion coefficient of solar cosmic rays on the distance from the sun, 22:34301
  Diffusion model and injection spectra of solar-flare protons, 23:22843
  Diffusion of solar cosmic rays from a source of the exponential type, 22:38708
  Energy spectrum of solar cosmic rays, 23:46225
  Method of determining solar cosmic-ray spectra in the high-energy range, 21:5164
  Methodic questions of studying cosmic-ray variations on the basis of IGY experience, 21:29065
  Possible collective solar cosmic-ray injection into the geomagnetosphere, 22:34421
  Solar cosmic rays, 23:39241
  Solar cosmic rays, 25:881 (AD-707102)
  Solar cosmic-ray burst of January 28, 1967, 24:6395
  Solar cosmic-ray diffusion, 24:10403
  Some features of the energy spectrum of solar cosmic rays, 24:48967
  Sounding of interplanetary space by solar cosmic rays, 21:37218
  Spectrum of the injection of solar-flare protons, 23:10414
MIROSHNICHENKO, T. P. Action of x-rays on acceptor activity of soluble RNA of Azotobacter, 22:23421
MIROSHNICHENKO, V. I. Reflection of electromagnetic waves from plasma layers, 24:10591
MIROSHNICHENKO, Yu. T. Peculiarities of uranium deformation for tension at constant velocity, 25:13688
MIROSHNIKOV, G. V. Neutron penetration through cylindrical polyethylene layers, 24:32891
MIROSHNIKOV, V. S. Preparation of radioactive carrier-free rhenium from proton-irradiated tungsten, 23:2360
  Rhenium determination by neutron-activation methods, 22:21038
MIROSHNIKOVA, A. I. Neutron penetration through cylindrical polyethylene layers, 24:32891
MIROSHNIKOVA, V. S. Quantitative determination of two-component mixture of radionuclides, 23:26192
MIROUZE, J. Application of two radio-immunological methods to the assessment of growth hormone, 25:4422
  Thyroid uptake curves of radioiodine and labeled hormonal iodine during Werner's test, 24:21069
MIROUZE, Jacques Use of extra-renal purification methods in the treatment of tritiated water contamination, 24:39496 (CEA-R-3974)
MIRRI, A. M. Stark effect and electric dipole moment of D_2Se, 23:28858
MIRSAGATOV, Sh. A. Effect of γ radiation on the volt—ampere characteristics of diodes, 25:3192
MIRSALIKHOVA, F. Kh. Measurements of absolute yield of 14-MeV neutrons by means of recording of α particles in $T(d,n)^{4}He$ reaction, 21:11966
MIRSHAK, S. ^{60}Co for heat and power, 25:44552
MIRSKI, U. Contribution of H atoms to G/sub H2/ in the radiation chemistry of aqueous solutions, 25:13044
MIRSKII, L. M. Titanium and its alloys, 25:24575
MIRSOYAN, A. R. Passive statistical method for reactor parameters determination, 23:11184 (RCN-98, pp 439-58)
MIRTOV, A. V. Inclusion and distribution of radioactive ^{133}Xe in animal organs and tissues, 22:51398
MIRTOV, B. A. Concentrations of O_1 and O_2 above level of gravitational separation, 21:5173
  Investigation of the composition of the atmosphere at 100 to 60 km elevations, 21:37321
  Photochemical equilibrium of atmospheric oxygen at heights exceeding 150 km, 21:5174
  Structure of the nocturnal polar atmosphere and ionosphere, 24:39963
MIRUTENKO, V. I. X-ray radiation in electron beam welding installations, 22:44204
MIRVAKHIDOV, M. Neutron capture resonance γ-ray scattering on zinc nuclei, 22:35278
MIRZA, I. M. Cross sections for simultaneous ionization and excitation of N_2, 22:21872
  Electron impact excitation cross section of N_2^+ first negative bands, 23:1189
  Excitation function of N_2^+ Meinel band by electron impact, 23:16680
MIRZA, Ishaq Muhammad Excitation of N_2^+ first negative and Meinel bands by electron impact, 25:13997
MIRZA, K. F. Average exposure to radiation workers in Pakistan, 24:44497
  Thorium body burdens in humans following Thorotrast myelography, 23:10103
MIRZA, Khalid Farooq PAEC's personnel monitoring film-badge service and desirability of providing a supplementary dosimeter, 23:14046 (PAECL/HP-9)
  Personnel monitoring, 23:48055
MIRZA, M. Y. Carrier-free separation of /sup 115m/In from irradiated Cd by solvent extraction, 22:12421
  Indium generator, 24:48121
  Liquid—liquid extraction methods for production of carrier-free ^{115}Cd, ^{89}Sr, and ^{90}Sr from fission products, 22:4236
  Liquid—liquid extraction of alkaline earth metals, 23:47594
  New method for carrier-free production of ^{90}Y from ^{90}Sr—^{90}Y mixture and ^{89}Sr from neutron-irradiated Y_2O_3, 22:4237
  Preparation of ^{18}F in a nuclear reactor, 23:40721
  Preparation of ^{28}Mg in a nuclear reactor, 24:36281
  Radiochemical separation of cadmium by liquid—liquid extraction, 21:28074
  Radiochemical separations of ^{47}Ca—^{47}Sc, ^{140}Ba—^{140}La, and ^{90}Sr—^{133}Ba by liquid—liquid extraction using 1-phenyl-3-methyl-4-capryl-pyrazolone-5 as extracting agent, 22:33495
  Scandium generator, 23:26341
  Separation of carrier-free ^{111}Ag from neutron-irradiated palladium, 24:48122
  Solvent extraction and separation of Sr and Ba with 4-acyl derivatives of 1-phenyl-3-methyl-pyrazolones-5 and comparison with thenoyltrifluoroacetone, 23:19858
  Use of 1-phenyl-3-methyl-4-capryl-pyrazolone-5 in liquid—liquid extraction method for carrier-free production of ^{54}Mn, ^{58}Co, ^{59}Fe, 22:8193
MIRZA, M. Younas New methods for the carrierfree production of various isotopes by the liquid liquid extraction technique, 21:45212 (RISO-159)
MIRZABABAEV, R. M. Anomalous transmission of resonant γ rays of ^{57}Fe by single-crystal Fe + 3 percent Si, 24:45367
  Preparation of line Moessbauer ^{57}Co sources, 25:22651
MIRZAEV, D. A. Martensitic conversion in Fe—Ni—Co alloys, 24:50307 (SC-T-70-4036)
MIRZAEV, M. R. Natural diamond luminescence excitation by γ-quanta, 24:1470
MIRZAKARIMOV, A. M. Extraction of Mo from coal ash by HCl solutions, 24:36360
  Hydrochloric acid extraction of Mo from tailings of Uzbekistan coal ash treated by sulfuric acid, 25:18508
MIRZAKARIMOV, R. M. Effect of gamma irradiation on the physicochemical properties of cottonseed oil, 22:21127
  Effect of gamma-radiation on properties of extracted cottonseed oil for preparation of K-5 drying oil, 25:41839
MIRZAKARIMOV, T. Effect of complex compounds of cobalt and iron on processes of liver regeneration in irradiated animals, 25:16355
MIRZAYAN, A. S. Production of intense short duration ion current, 22:31783
MIRZO'EV, E. A. Formation of polynuclear and giant cells in HeLa culture under influence of combined administration of 5-fluorouracil and irradiation, 25:24306
MIRZOYAN, A. A. Changes in Ca content and activity of blood serum alkaline phosphatase due to effect of ^{90}Sr and ultraviolet radiation, 23:9866
  Effect of ultraviolet radiation and vitamin D_3 on certain aspects of ^{90}Sr metabolism in rats, 23:22172 (AEC-tr-6944, pp 183-7)
  Investigation and comparative assessment of chronic effect of ^{90}Sr and ^{144}Ce, 23:22379 (AEC-tr-6944, pp 400-9)
MIRZOYAN, A. R. Approximating the multigroup equations of neutron kinetics, 24:26832
  Calculation of transients in nuclear reactors, 22:18592
  Inverse solution of the heat transfer equations for a two-component nuclear reactor, 24:50232
MIRZOYAN, L. V. Continuous emission of SS Cyg, 22:43809
  Continuous formation and rates of development of stars in stellar associations, 22:43718
  Interpretation of flare stars, 23:1088
  Mean ages of O—B5 stars based on distribution in stellar associations, 24:46847
  Spectrum of RW Aur in the region lambdalambda3600-4800, 22:43703
MISAKA, Tsuyoshi Control of liquid radioactive wastes in JPDR, 22:4420
MISAKI, Akeo Cascade theory under Approximation C, 24:10698 (INSJ-112)
MISAKIAN, Martin Final states in dissociative excitation of molecular hydrogen, 25:49747
MISAWA, Kiyotoshi Decrease in intensity of [OI] 6300 A airglow toward dawn, 24:12702
  Isophoto-maps of airglow, 24:30236
  Time-variation of airglow, 24:30237
MISAWA, S. Anomalous properties of normal Fermi liquid at low temperatures, 24:37402

- MISAWA, Setsuo General theorem for interacting many-particle systems, 22:46299
  - Low temperature specific heat of the Fermi liquid, 22:17569
- MISAWA, Shunji Determination of the compositions of thin film compounds by using the electron-probe x-ray microanalyzer. I, 25:28966
- MISCHKE, R. E. Automatic target cycling system for total cross section measurements, 25:28115 (PURC-4159-17)
  - Determination of the phase of the CP-nonconservation parameter eta/sub + -/ in neutral K decay, 21:11734
  - Direct measurement of n—p and n—d total cross sections from 700 to 2900 MeV/c, 25:9648
  - Direct measurement of n-p and n-d total cross sections from 700 MeV/c to 2900 MeV/c, 24:49315 (PURC-4159-7)
  - Experimental study of ω neutral decays, 25:59320
  - Muon polarization in K/sub μ3/^{0}-meson decay, 23:14957
  - Neutron—proton charge-exchange scattering between 600 MeV/c and 2000 MeV/c, 24:3509 (PPAR-10)
  - Performance of large-volume two-phototube neutron detector, 25:8547 (PURC-4159-13)
  - Proton—proton differential cross section from 600 to 1800 MeV/c, 24:5237 (PPAR-11)
  - Proton—proton differential cross sections from 600 to 1800 MeV/c, 25:14543
  - Response of a mineral-oil based liquid scintillator to heavily ionizing particles, 24:39222 (PPAR-26)
  - Response of a mineral-oil based liquid scintillator to heavily ionizing particles, 25:8511
  - Structure in neutron—proton charge exchange, 23:44594
  - Upper limit on decay rate K/sub L/^{0} $\rightarrow \pi^+\pi^-\gamma$, 22:46317 (COO-1195-129)
  - Upper limit on the decay rate K/sub L/^{0} $\rightarrow \pi^+\pi^-\gamma$, 23:3638
  - Use of a small on-line computer in a wire spark chamber experiment, 22:47372 (PPAR-3)
- MISCHKE, Richard E. Neutral branching ratios of the eta meson, 24:45404 (PURC-4159-3)
  - Neutral branching ratios of the eta meson, 25:3258
- MISCHKE, Richard Evans Time-dependent interference in neutral K $\rightarrow \pi^+ + \pi^-$ after regeneration, 21:42253
- MISCOPEIN, J. Intense homogeneous magnetic fields for NMR spectrometer, 22:21392
- MISELL, D. L. Convolution effects in electron energy-loss spectra recorded by electron transmission, 23:48710
  - Convolution, deconvolution, and small-angle plural electron scattering, 23:14602
  - Electron energy loss spectra for Al, 22:43926
  - Electron energy loss spectra for evaporated carbon films, 22:43925
  - Energy loss processes usually masked by plural scattering of fast electrons, 24:44986
  - Plural electron scattering and the inclusion of phase factors, 24:32653
  - Small-angle scattering of electrons in thin films of evaporated carbon, 24:44990
- MISENTA, R. Considerations on the optimum layout of the experimental facilities for the sora-pulse reactor, 22:39874 (ANL-Trans-616)
  - Fast nuclear reactor as a pulsed neutron source, 22:22853
  - Slow-neutron scattering by solid ortho-hydrogen, 24:30677
  - Theory for triaxial and time-of-flight polarization spectrometer for thermal neutrons, 22:30847 (EUR-3910)
  - Theory of a neutron polarimeter, 21:34511 (EUR-3291.e)
  - Theory of polarization spectrometers for thermal neutrons, 24:29564
  - Thermal-neutron scattering cross sections for H_2, D_2, and HD, 24:52385
- MISEREZ, A. Radioactivity in foods in 1967, 25:16087
  - Radioactivity of foodstuffs in 1969, 25:57989
  - Radioactivity of foodstuffs in 1970, 25:57988
- MISEROCCHI, Enrico Implantation of radioyttrium in the therapy of hypophyseal tumors, 21:10953
  - Pituitary ablation with ^{90}Y implant in advanced thyroid cancer, 21:26477
- MISETICH, A. Quadrupole moment of /sup 57m/Fe, 23:13243
- MISEZHNIKOV, G. S. Observations of 3C 273 radio source at 8 mm with maser, 25:35686
- MISGUICH, J. H. Magnetohydrodynamics study of equilibria of plasmas with evolution symmetry, 25:17193 (EUR-CEA-FC-551)
- MISHAKOVA, A. P. Asymmetry of positrons from the decay $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ in the longitudinal 140000 Oe magnetic field, 21:44257
  - Azimuthal angular distributions of secondary particles in cosmic jets, 21:16839
  - Search for Dirac monopole at 70 GeV I.P.H.E. proton synchrotron, 24:24210
- MISHCHENKO, A. B. Hf-field stabilization in strong current linacs, 22:32323 (CEAL-2000, pp A54-5)
- MISHCHENKO, A. V. Linear proton accelerator I-2. IV, 22:32402
- MISHCHENKO, L. G. Absorption of nuclear component energy flux in iron, 22:2823
  - Angular distribution of secondary particles in showers, 22:13270
  - Certain luminosity characteristics of ionization calorimeter installed in proton satellite, 22:40432
  - Certain singularities of pion and nucleon interactions with nuclei, 22:2825
  - Interaction of cosmic pions with graphite nuclei, 23:32633
  - Nature of nuclear-active particles at the mountain altitude, 21:20800
  - Thermal regime of the positive column of a gas discharge, 22:31838
- MISHCHENKO, L. I. Influence of electromagnetic field on brain of rats, 23:45663
- MISHCHENKO, S. A. Fluorescent reaction for Tb with the phenyl ether of salicylic acid, 21:4466
- MISHCHENKO, V. A. Angular distribution of 0.3-, 0.5-, and 0.8-Mev neutrons elastically scattered by titanium and Co nuclei, 21:12009
  - Elastic scattering of 1.5-MeV neutrons on nuclei of average at. wt, 22:53154
  - Elastic scattering of polarized 1.5 MeV neutrons by Mg, Al, and Si nuclei, 23:13235
  - Neutron elastic scattering on Ti and Cr nuclei, 24:38159
- MISHCHENKO, V. M. Influence of impurities on the energy of fast particles in a coaxial source, 23:14770
  - Magnetic measurements in a coaxial source, 21:18679
- MISHCHENKO, V. T. Determination of Tb using 5,7-dibromo-8-hydroxyquinoline and rhodamine S, 24:43950
  - Mixed polynuclear citrate complexes of neodymium and certain other metals, 23:6130
  - Solvent extraction of rare earth elements, 23:47384
- MISHCHENKO, Yu. A. Estimation of mobility of surface oxygen by isotopic exchange. III, 25:39515
  - Evaluating the mobility of surface O in several oxides and their mixtures by means of O isotope exchange. I, 25:18388
- MISHELL, Daniel R. Jr. Solid phase radioimmunoassay utilizing polypropylene discs, 24:19284
- MISHELL, Robert I. Methods for the study of in vitro immunization of mouse spleen cells, 25:16056
- MISHELOFF, Michael N.
  - Amati—Bertocchi—Fubini—Stanghellini—Tonin equation and complex Regge poles, 25:25529
  - Amplitude (3-to-3) and the triple-Regge vertex, 24:3778
  - Multiperipheral dynamics at general momentum transfer, 24:18155
- MISHELOFF, Michael Norman Triple-Regge vertex, 24:33053 (UCRL-19795)
  - Triple-Regge vertex, 25:43723
- MISHENKOV, N. N. Patterns of distribution of fission products deposited from fallout in forests of various areas of USSR, 24:25421 (A-AC-82/G/L-1302)
- MISHEV, I. New electronic device for radiothermoluminescent research, 21:22173
- MISHEV, I. T. New method for radiothermoluminescent research, 24:27455
  - Quadrupole plate-holder for individual dosimetric control, 21:16213
  - Radioactive gas concentration in air thrown out of chimney of reactor IRT-1000, 22:44911
  - Study of the deposition of radioactive fallout in certain places in Bulgaria, 21:16007
- MISHEV, Iliya Certain profile features of the moderator for realizing a counting device of fast neutrons and of a standard source of thermal neutrons, 22:23299
  - Device for measurement of low concentration beta-active gases, 22:40371
  - Investigations on thermoluminescence of $CaSO_4$:Mn with view to application in dosimetry, 22:23335
- MISHEVA, M. Directional gamma—gamma correlation in a polycrystalline source ^{46}Sc, 21:17331
  - Gamma—gamma correlation in ^{44}Ti, 22:35266
  - Method of photographing a beam of thermal neutrons, 21:17285
- MISHEVA, Mariya Temperature changes of Bi filter near active zone of IRT-1000, 24:18740
- MISHIMA, Atsushi Variable focus collimator, 24:31693
- MISHIMA, Isamu Application of neutron moisture-gauge in steel industry, 24:7665
  - Determination of oxygen in steel by neutron activation analysis, 24:31277
- MISHIMA, J. Airborne release of particles in incidents involving Pu metal, 23:29020
  - Airborne release of particles in overheating incidents involving Pu, 22:43014 (BNWL-SA-1735)
  - Airborne release of plutonium during overheating incidents, 24:5860
  - Amount and characteristics of plutonium made airborne under thermal stress, 25:4258 (BNWL-SA-3379)
  - Amount and characteristics of plutonium made airborne under thermal stress, 25:54546
  - Methyl iodide behavior in systems containing airborne radioiodine, 22:12060
  - Plutonium release studies. II, 21:16590 (BNWL-357)
  - Plutonium release studies. III, 22:37708 (BNWL-786)
  - Plutonium release studies. IV, 23:13868 (BNWL-931)
  - Prog. rpt. on washout of methyl iodide by hydrazine sprays, 9/67, 22:14477 (BNWL-530)
  - Removal of airborne methyl iodide from simulated reactor-containment atmospheres by hydrazine sprays, 22:5965
  - Removal of methyl iodide from simulated reactor containment atmospheres with hydrazine, 21:25618 (BNWL-SA-821)
  - Review of methyl iodide behavior in systems containing airborne radioiodine, 21:8449 (BNWL-319)
  - Some observations on noble gas partitioning in dynamic air-water systems, 25:3892 (BNWL-SA-3360)
- MISHIMA, M. Isotope separation by liquid-gas chemical exchange, 21:12498 (JAERI-1115)
- MISHIMA, N. Final-state interaction between the Λ^0 hyperon and ^{3}H in $K^- + {}^4He \rightarrow \Lambda + {}^3H + \pi^0$ reaction, 24:52124
- MISHIMA, Nobuhiko Composite particle and vertex function in the nonrelativistic off-shell theory, 21:35352
  - Extension of Faddeev formalism to composite-particle scattering, 21:35356
  - Generalized Lovelace equation in relativistic Faddeev formalism. II, 22:46536
  - Weinberg's separation of amplitude in K-matrix formalism, 23:19018
- MISHIMA, Tsutomu Clinical application of ^{113}Sn—/sup 113m/In cow (second report), 21:36626
  - Clinical application of /sup 113m/In as an imaging agent, 24:34524
  - Intravenous radioisotope angiography, 23:6515
  - Xenon-133-rebreathing technique using the scintillation camera, 22:45302
- MISHIMA, Y. Discontinuous precipitation in Cu—1.79 wt percent Be, 22:38584
  - Effect of α-methyldopa and uv irradiation on melanogenesis, 22:49240
  - Effect of thermal cycling on the stress orientation of hydride in zircaloy, 25:45079
  - Fast reactor research and development program in Japan, 22:35538
  - Resistometric study of the solution and precipitation of hydrides in unalloyed zirconium, 22:49833
- MISHIMA, Yasushi Apparatus for continuous observation of cosmic ray intensity at a shallow underground station, 25:42152
- MISHIMA, Yoshitsuga Nuclear fuel and materials: U, Be, Zr, 24:20644 (LIB/Trans-240)
- MISHIMA, Yoshitsugu Aging, reversion, and reaging of Cu—Be alloys, 23:41645
  - Direction of development on reactor materials, 25:19179
  - Effect of thickness and surface defects on test results of fuel cladding tubes, 22:33618
  - Expandability test on beryllium tube used for fuel cladding, 22:15218
  - Hydrogen absorption and its distribution in zirconium alloys for cladding material of light water power reactor, 22:11023
  - Materials for power reactors in Japan. IV, 24:8111
  - Nuclear fuel and materials for reactor, 23:15749
  - Problems about fuel cladding materials, 25:37016 (CONF-700211-9)
  - Relation between texture and hardness anisotropy in some beryllium- and zirconium-alloy products, 23:30029
  - Reversion of metastable phases in Cu—Be alloys, 25:29891
  - Structural materials for power reactors in Japan. I, 24:8108
  - Structural materials for power reactors in Japan. III, 24:8110
  - Structural materials for power reactors in Japan. II, 24:8109
  - Structural materials for power reactors in Japan. V, 24:14666
  - Swelling and helium damage in reactor materials, 23:22612
  - Textures of extruded bar and tube and drawn wire of Be, 21:39569
  - Vanadium in Japan. I, 23:18199
- MISHIMA, Yutaka Enzymically active and inactive melanocyte populations and uv irradiation, 22:21622
  - Melanocytic and nevocytic malignant melanomas, 21:26584
- MISHIN, E. V. Stabilization of universal instability, 25:14341
- MISHIN, G. T. Determination of K contents by gamma well logging, 25:21197
  - Influence of the effective atomic number Z/sub eff/ of mineral deposits on the conversion coefficient for determining potassium content by the method of gamma well logging, 22:35934
- MISHIN, V. M. Instantaneous aspects of SQ-currents according to data on equinox season during IGY, 24:37314 (N-69-32715)
  - Magnetosphere model based on two zones of precipitating energetic particles, 24:17762
  - Relation of electron concentration at heights of 100 and 110 km to geomagnetic field disturbance, 21:39924
  - Seasonal variations of medium-latitude SQ currents according to MGG data (IGY), 24:37312 (N-69-32552)
  - Transistorized high-voltage pulse generator, 22:36139
  - Twenty-four hour changes in electric conductivity of layer of daily conductivity, 24:37310 (N-69-32508)
  - Two quasi-circular zones of maximum magnetic activity, 21:5167
- MISHIN, V. Ya. Synthesis of phthalocyanines of some heavy metals, 21:19601
- MISHIN, Vilen M. Effects of Earth's daily rotation on electric currents in magnetosphere, 24:47102
- MISHINA, Hiroshi Electron optical properties of quadrupole and octupole electron lenses, 23:5727
- MISHINA, L. I. Aging of boron nitride crystals as investigated by the chemical etching method, 25:22197
- MISHINA, M. Photoproduction of N*(1236) from H, 22:24513 (INSJ-107)
- MISHINA, Masanori Time-of-flight measurement of photoneutrons from ^{16}O, ^{40}Ca, and ^{31}P, 22:7663
- MISHINA, N. A. Semiannual variation of magnetic activity, 21:46237
- MISHKIN, E. A. Anti-correlation effects in quantum optics, 21:13655
  - Characteristic states of the electromagnetic radiation field, 21:9841
- MISHKIN, E. Patricia Interference by x irradiation with the induced synthesis of tryptophan pyrrolase, 22:36210
- MISHKIN, Fred S. Advantages of producing a minified scan image, 24:44549
  - Brain scans in multiple sclerosis, 25:24233
  - Brain tumor scanning in children, 24:29801
  - Determination of brain death by isotope angiography, 23:45811
  - Diagnosis of Dandy—Walker cyst by brain scanning, 23:33769
  - Increased early radionuclide activity in the nasopharyngeal area in patients with internal carotid artery obstruction: hot nose, 24:34522
  - Indium-113m for scanning bone and kidney, 22:40747
  - Placental imaging with /sup 113m/In, 24:48613
  - Placental localization by scanning with /sup 113m/In, 23:33765
  - Radionuclide angiogram and scan findings in a case of herpes simplex encephalitis, 25:8718
  - Reducing ^{99}Mo—/sup 99m/Tc generator, 22:51065
  - Regional perfusion using ^{133}Xe, 24:21229
  - Renal scanning for detection of renovascular hypertension, 24:44547

Tissue and tumor concentrations of /sup 99m/Tc as pertechnetate, 22:49447
Use and interpretation of the lung scan, 25:42583
MISHKIN, V. L. Wrought magnesium-base alloy, 23:27084
MISHLER, H. W. Electron-beam welding of beryllium, 22:8712
MISHLER, L. W. Enthalpy of liquid U dioxide to 3500°K, 25:22180
Enthalpy of solid UO_2, 23:16533
Enthalpy of solid uranium dioxide, 23:12424
Enthalpy of solid W, 23:30034
MISHNEV, G. I. Experimental results on beam—beam interaction, 21:29747
MISHNEV, S. I. Beam—beam interaction in storage rings, 22:32257 (CEAL-2000, pp 126-9)
Effects of electromagnetic interaction between particles and colliding bunch, 21:29757
Influence of the number of particles in a storage ring on the lifetime and dimensions of the beam, 21:33825
Injection and accumulation of positrons, 21:33826
Lifetime and size of electron (or position) beam in storage ring at low current values, 21:33824
Measurements of luminosity in colliding beams by small angle scattering, 21:33829
Non-linear resonances of betatron oscillations in storage rings, 21:33830
Study of rho-meson resonance using colliding electron—positron beams, 24:6679 (SLAC-Trans-105)
MISHORY, J. Moessbauer spectra by means of a variable-frequency ultrasonic spectrometer, 22:3180
MISHORY, Jonathan Acoustic Moessbauer effect and applications, 24:21898
MISHRA, A. K. Adenine-requiring mutant of Azotobacter, 23:38891
Effects of inorganic salts on sensitivity of A. niger to ultraviolet rays, 23:31998
Radiation-induced morphological mutants of Aspergillus niger (V_{15}), 21:39538
Repair of ultraviolet radiation damage by thiourea, 25:32622
Transformation of nutritionally deficient mutants of A. niger, 23:33686
MISHRA, Ajit K. Effect of nitrogen mustard on effect of uv in Aspergillus chevalieri, 25:39815
MISHRA, Indu Shekhar Rethinking on special relativity theory, 23:51984
MISHRA, K. D. Bremsstrahlung radiation from weakly ionized laboratory plasma, 24:37452
MISHRA, M. B. Complex formation between uranyl(VI) and thiopropionic acid, 23:146
MISHRA, M. D. Effect of radioactive phosphorus and sulphur on infectivity of tobacco mosaic virus in tissue culture, 25:24481
MISHRA, M. M. Effect of rare elements on nitrification in soil suspension, 25:57401
MISHRA, N. Experimental study of the structure of ^{90}Y, 22:20584
MISHRA, Nawin C. Genetic studies in Eudorina, 22:38241
MISHRA, R. Overburden stripping from deeply buried orebodies by controlled nuclear explosive casing, 24:41513 (CONF-700101-(Vol.2), pp 918-30)
MISHRA, R. R. Effect of UV-radiation on rhizosphere fungi, 23:43908
MISHRA, R. S. Acceleration covariance in isotropic hydromagnetic turbulence, 25:38195
Curvature of magnetic lines behind a hydromagnetic shock, 23:20917
Curvature of pseudostream lines behind a hydromagnetic shock, 25:38204
Field equations representing a gravitational field of magnetic type, 23:36998
Flow behind two-dimensional unsteady shocks in conducting gases, 23:42316
Flows behind special hydromagnetic shocks, 24:3231
General geometrodynamics: third class, 23:42715
Geometrodynamics of nonnull electromagnetic fields, 23:36980
Geometrodynamics of null electromagnetic fields, 21:7420
Propagation and growth of weak discontinuities in magnetogasdynamics, 25:35944
Vortex lines behind a magnetogasdynamic shock wave, 25:38200
MISHRA, S. Internal friction due to oxygen-substitutional impurity atom complexes in zirconium, 24:46711 (BARC-458)
Internal friction due to oxygen-substitutional impurity atom complexes in zirconium, 25:35404
MISHRA, S. P. Isotope effect and secondary reactions of recoil ^{82}Br and /sup 80m/Br atoms under (n,γ) process in alkylbromides, 24:50410 (CONF-690916-(Vol.2), pp 227-38)
Isotope effect of recoil ^{82}Br and /sup 80m/Br atoms under (n,γ) process in ethylenedibromide, 23:246
MISHRA, S. R. Streamer chamber for low-energy applications, 25:51872
Wide-gap streamer chamber, 23:11859
MISHRA, Shankar Prasad Free-convection magnetohydrodynamic elastico-viscous flow past a porous plate, 21:13424
MISHRA, U. C. Cesium-137 and K in milk, 21:34648 (BARC-278)
Experimental peak/total ratios for a few NaI(Tl) crystal sizes, 23:21947
Gamma spectrometric measurement of soil radioactivity, 25:57567
Methods of fallout measurements used in India, 22:6488
MISHUCK, Eli Radiation-cured castable elastomeric polyurethanes and polythioethers, 23:40704
MISHUSTIN, V. I. Effect of radiation crosslinking of polyethylene on the formation of autohesion welding joints, 25:21009
MISITI, P. Changes in liver components induced by fractionated doses of x rays, 21:17971
MISITI-DORELLO, P. In vitro radiosensitization of Ehrlich ascites tumour cells and pure enzymes by iodine compounds, 25:4569
MISIUK, A. Crystal field interpretation of magnetic properties of some uranium compounds of $AuCu_3$-type structure, 25:45587
Magnetic properties of UAs—USe solid solutions, 22:16490
Magnetic properties of uranium silicides, 25:30679
MISIUK, Andrzej Magnetic properties of U_3P_4—U_3As_4 solid solutions, 24:35572
Magnetic properties of UP_2—UAs_2 solid solutions, 22:19629
MISIUNA, P. Application of γ irradiated heterogenic bovine fascia in filling brain defects in dogs, 25:55148
MISKEI, M. Edge-punched card literature retrieval system for activation analysis, 23:11470
Literature retrieval system for activation analysis, 24:81
Radiochemical separation of Ag, Au, Cd, Co, Fe, In, and Zn as trace impurities in Ga, 22:14456
MISKEI, Mihaly Determination of some trace contaminants in high purity gallium and gallium arsenide by neutron activation analysis, 21:42878
MISKEL, John A. Production of tritium by nuclear weapons, 25:48664 (UCRL-73270)
MISKELL, R. V. Cubic interpolation for numerically controlled machines, 25:28909 (Y-1782)
Extension of APT for producing input data for four-axis filament winder postprocessor, 23:15768 (Y-1653)
Identification of a numerically controlled machine tool servo loop, 21:38866 (Y-1586)
Punched-tape code and format for numerically controlled machines, 24:2088 (Y-1702)
MIS'KEVICH, A. I. Differential albedo of a thin beam of fast neutrons for a semiinfinite scatterer consisting of iron, 24:49242
MISKIEWICZ, Wieslawa Studies on radioactivity of Polish honeys. I, 25:29509
MISKINOVA, N. A. Electrical characteristics of the positive column in binary rare-gas mixtures with mercury vapors, 23:5426
MISKOLCZI, Janos Counter decades with bistable and three-stable circuits, 21:10704
MISKOVITS, G. Determination of Si in lymph nodes by neutron activation and spectrophotometry, 24:38783
MISKOVITS, Gustav Determination of silicon by neutron activation analysis in lymphatic glands, 25:15559
MISKOVITS, Gusztav Determination of Si, Al, and P in biological samples, by neutron activation and spectrophotometry, 23:17366
MISLAN, J. P. Electrolytic hydrogen—deuterium separation factor, 23:28954
High sensitivity atomic absorption spectroscopy via continuous sample preconcentration. II, 24:7394 (AECL-3431)
Temperature dependence of electrolytic hydrogen—deuterium separation factor, 24:29366
MISLER, D. Limitations in the performances of silicon detectors used as live targets in high-energy experiments, 25:46639
MISME, P. Different types of turbulence, 23:51496
MISNER, C. W. Gravitational collapse, 24:21511
TAUB-NUT space as a counterexample to almost anything, 21:857 (NYO-3164-2, Lect. 13)
Transport processes in the primordial fireball, 21:20670
MISNER, Charles W. Absolute zero of time, 24:13174
Classical and quantum dynamics of a closed universe, 24:42496
Gravitational field equations for sources with axial symmetry and angular momentum, 21:18860
Isotropy of the universe, 22:17249
Mixmaster universe, 23:27322
Neutrino viscosity and the isotropy of primordial blackbody radiation, 21:37754
Quantum cosmology. I, 24:13169
Relativistic fluids in cosmology, 24:32604
MISON, P. Carbon-14 and tritium determination by liquid-scintillation-counting technique. II, 22:43037
Carbon-14 and tritium determination by liquid-scintillation-counting technique. I, 22:43038
MISOZHNIKOV, V. V. Isotopes in USSR, 23:16038 (AD-673180)
MISRA, B. Air backflow and pressurization in the nuclear exhaust system duct, 24:13620
Asymptotic condition of scattering theory, 22:35157
Asymptotic condition of scattering theory, 24:42951
In-flight coolant management considerations for the NERVA reactor cooldown, 25:54229
When can hidden variables be excluded in quantum mechanics, 21:21289
MISRA, Balabhadra In-flight coolant management considerations for NERVA reactor cooldown, 25:6132
MISRA, D. Cosmic-ray positrons and 0.51-MeV gamma rays from the Galaxy, 24:17717
Low energy cosmic ray positrons and 0.51-MeV gamma rays from the galaxy, 24:5011 (N-69-33435)
MISRA, D. N. Conformation of uv-irradiated DNA, 24:16975
MISRA, K. D. Effect of energy spectra on synchrotron radiation from the magnetosphere, 25:35976
Effect of ionospheric irregularities on lateral deviation of radio waves reflected from the ionosphere, 21:37337
Formation of equatorial electrojet current layers, 21:23129
Frequency deviation studies in the equatorial electrojet region, 25:47415
Role of electric field generated in the equatorial electrojet region, 21:41936
Synchrotron radiation from electrons of various energy spectra, 25:36001
MISRA, M. Generalized Goldberg—Sachs theorem, 24:24422
Pure radiation fields in general relativity, 22:53031
Type-null vacuum solutions in general relativity, 22:46525
Unified treatment of the Kerr and Vaidya solutions in general relativity, 24:26512
MISRA, P. K. Orbital magnetic susceptibility of beryllium, 25:1333
MISRA, Pyari Mohan The effects of deuterium on living organisms, 21:41504
MISRA, R. A. Reactions of acetyl chloride with thorium alkoxides, 23:126
MISRA, R. C. Highly singular potentials and rising Regge trajectory, 24:26532
Low-velocity moderation of Σ^- hyperons in H, 25:33538
MISRA, R. K. Effect of magnetic activity on electron drifts in equatorial electrojet region, 25:58905
Height variation of F-region horizontal drifts, 24:35280
Ionospheric irregularities and their drifts at thumba during 1964—68, 25:38220
MISRA, R. M. Axially symmetric fields in general relativity, 24:40473
Classification of curvature tensor, 21:27271
Electromagnetic solutions of the field equations in presence of zero mass mesons, 25:45792
Escape of photons from a rotating star, 24:21464
Field equations representing a gravitational field of magnetic type, 23:36998
Geometrodynamics of nonnull electromagnetic fields, 23:36980
Geometrodynamics of null electromagnetic fields, 21:7420
Gravitational field and the type of matter, 24:18291
New class of electromagnetic fields, 25:22873
New stationary gravitational fields from static fields, 25:20096
Static charged-dust distributions in general relativity, 25:7733
Three-dimensional formulation of gravitational null fields. I, 21:3959
Three-dimensional formulation of gravitational null fields. II, 21:40131
Universe field with incoherent matter and electromagnetic radiation, 24:42494
MISRA, S. Calorimetric investigation of long-range ordering in the cadmium—mercury system, 25:27248
MISRA, S. C. Flat-type magnetic beta-ray spectrometer, 25:417
Neutron generator for calibration of fast neutron detectors, 25:9940 (BARC-499)
Standardization of radionuclides at AEET, 22:6547
MISRA, S. K. In-process control of residual stress in drawn tubing, 24:10025
Resonant absorption of gamma-ray multipole mixtures with applications to oriented nuclei, 23:15521
MISRA, S. N. Alkoxy and acyloxy derivatives of lanthanons, 22:23002 (CONF-670502-, pp 392-402)
Mandelates of lanthanum, praseodymium, neodymium, and uranium, 25:4055
Organic compounds of U(V), 25:6298
MISRA, S. P. Baryon—antibaryon scattering in the quark model, 24:49464
Meson—baryon scattering in the quark model, 24:24364
Meson—baryon scattering in the quark model, 25:36518
Photoproduction processes in the quark model, 24:49375
Quark model and masses of baryons and mesons, 22:46394
Semiclassical and quantum descriptions, 22:34899
MISRA, Somnath New technique for the production of fibres of tungsten, 22:43554
MISRA, Sushil K. Effect of nuclear recoil on the intermediate-state reorientation of oriented nuclei, 24:40171
MISRA, T. N. Alkoxy and acyloxy derivatives of lanthanons, 22:23002 (CONF-670502-, pp 392-402)
MISRA, U. K. Distribution of ^{95}Nb in tissues and liver subcellular fractions of rat, 21:14593
Distribution of ^{95}Nb labeled plasma and fibrinogen in tumor bearing rats, 21:20270
Effects of gamma radiation and AET on rat tissue lipids, 21:20045
Effects of gamma radiation and AET on rat plasma phospholipids, 21:20044
MISRA, V. N. Applications of radioisotopes in metallurgy, 25:16400
MISRI, H. Radioiodine test and the clinic, 25:44854
MISRI, Hassan Comparison of high-energy radiation applied through plaster casts, 25:13539
Diagnostic scintigrams of liver metastases, 24:783
Postoperative radiotherapy of mammary carcinoma without irradiation of the thorax wall, 25:13533
MISRO, S. C. Experimental confirmation of an asymmetric Peierls barrier in the temperature dependence of yield stress in tantalum and tungsten, 25:35375
MISS, H. D. Successes and failures of fractionated radioiodine therapy among 700 hyperthyroid patients, 25:11230
MISSBACH, D. Advances in the field of separating stable isotopes by chemical exchange, 21:19738
Enrichment of stable sulfur isotopes, 23:45385
MISSBACH, M. Complex automation of nuclear power plants, 25:60048
Measuring and control techniques for nuclear power plants, 23:47141
MISSEL, L. Plating of beryllium for brazing, 22:49704
MISSEN, R. W. Natural equilibrium distribution of methane and the deuteromethanes, 21:17617
MISSIMER, M. C. Half-lives of ^{166}Ho, ^{167}Tm, and ^{168}Tm and the ^{165}Ho(n,γ) /sup 166m/ Ho cross section, 22:14028
MISSIROLI, G. F. Electron microscope observations on oxidation of zirconium, 21:28725
Electron microscopic observation of oxidized zirconium film, 22:15151
Proton channeling [111] in very thin Au crystals, 22:29575
MISSOL, W. Conference on powder metallurgy, Krakow, 9/67. I, 23:48520
Conference on powder metallurgy, Krakow, 9/67. II, 23:48544
Nature of driving force for activated sintering, 24:21361

MISSOL, Witold Trends in the development of powder metallurgy, 22:34022
MISSONI, G. Inelastic atomic scattering of 0.1-, 0.2-, 0.4-, and 3.0-MeV electrons, 25:7139
  L fluorescence yields of gold and uranium, 21:5905 (N-66-21226)
MISSONI, Guido Air-contamination control units, 21:43387
  Free air ionization chamber, 21:39256
MISTA, L. Time development of coherent states, 22:3230
MISTILIS, S. P. Absorption of radiocopper in rat, 23:50308
MISTLER, R. E. Grain growth during sintering of tungsten, 22:49699
MISTRETTA, C. Angular distributions for π^0 electroproduction and pion factor, 22:34830
  Differential cross sections for neutral-pion electroproduction near the first pion—nucleon resonance, 22:26552
  Elastic electron—proton scattering cross sections measured by a coincidence technique, 24:37607
  Neutral particle tagging facility for ANL 30" bubble chamber, 25:34967 (CONF-700623-(Vol.2), pp 582-92)
  Phenomenological analysis of neutral pion electroproduction and γNN^* form factor, 22:26609
  Single-pion electroproduction, 24:3494
MISTRETTA, C. A. Search for electroproduction of N' (1470) resonance from deuterium, 23:14942
MISTRY, V. D. Isobaric analog resonances in proton scattering from ^{86}Kr, 25:28242
MISTRY, K. B. Absorption and translocation of ^{210}Po and ^{210}Pb in plants, 22:6728
  Biological effects of high background radioactivity, 25:39949
  Crop improvement and fertilizer studies including soil-plant relationships using radiations, 25:52017 (A/CONF.49/P-537)
  Evaluation of the long-term effects of high background radiation on selected population groups of the Kerala coast, 25:52230 (A/CONF.49/P-535)
  Labeling adults of red palm weevil (Rhynchophorus ferrugineus) with cerium for detection by neutron activation, 25:23536
  Modification of radiation damage with storage in seeds irradiated with thermal neutrons, 23:6426
  Radioactivity in the diet of population of the Kerala coast, 25:19143
  Studies in the high background areas in Kerala State: definition of the population and preliminary dosimetric data, 25:37807 (NP-18729)
  Uptake of ^{230}Th, ^{226}Ra, ^{210}Pb, and ^{210}Po by plants, 24:50698
MISTRY, N. Forward scattering of GeV protons from C and W, 21:21129
  High-energy photoproduction of rho^0 mesons, 23:14951
  High-energy photoproduction of rho^0 mesons, 23:16925
  Incoherent photoproduction of rho^0 mesons from complex nuclei, 23:44584
  New feature in photoproduction of pion pairs, 22:22287
  Photoproduction of phi mesons from carbon at 1800 MeV, 22:26551
  Photoproduction of phi^0 mesons from hydrogen and carbon by linearly polarized photons, 25:38639
  Photoproduction of phi^0 mesons from hydrogen, deuterium, and complex nuclei, 25:38640
  Photoproduction of rho mesons, 24:40237
  Photoproduction of rho^0 mesons from complex nuclei, 23:14952
  Photoproduction of rho—mesons and other pion pairs, 24:8557
  Photoproduction of wide-angle electron pairs from carbon, 21:17025
  Polarization of high-energy photons using highly oriented graphite, 25:3257
  Search for mesons suggested by Veneziano model, 23:49029
MISTRY, N. B. Photoproduction of Y^{*0} resonant states, 21:27296
MISTRY, V. Inelastic electron—atom interactions in the 50 to 150 keV energy range, 25:3472 (CONF-700322-, pp 379-92)
MISTRY, V. D. Core coupled resonances in the ^{86}Kr plus p reaction, 24:43294
  Isobaric analog resonances in proton elastic scattering from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 24:38246
  Isobaric analog resonances in proton elastic scattering from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 25:28370
  Isobaric analog resonances in proton elastic and inelastic scattering from ^{130}Te, 25:28427
  K/sub α//K/sub β/ x-ray intensity ratios from electron bombardment, 25:24850
  K/sub α//K/sub β/ x-ray intensity ratios for 57 less than or equal to Z less than or equal to 70 from electron bombardment, 25:49703
  Neutron particle-hole states in ^{130}Te, 25:28369
  Proton and neutron resonances in nitrogen, 22:53125
MISTRY, Vitthalbhai Dahyabhai Isobaric analog resonances in proton elastic scattering from ^{110}Cd, ^{112}Cd, and ^{114}Cd, 25:5752
MISTYGACZ, Z. Measurements of energy and flux of cosmic ray hadrons using an ionization spectrometer, 25:56413 (INP-756)
MISUMI, Seizo Ion exchange of some metal-diethylenetriamine N,N,N',N",N"-pentaacetic acid, 25:37480
  Polarography of Europium(III) complex, 23:33195
MISURI, G. HDP—IBM 360/44 system at CNAF for bubble chamber data analysis. I, 25:13267 (CERN-70-21(Vol.2), pp 607-15)
  HPD—IBM 360/44 system at CNAF for bubble chamber data analysis. II, 25:13268 (CERN-70-21(Vol.2), pp 617-24)
  Preliminary results of THRESH and GRIND obtained from FSD—IBM 7094 measured events, 21:41258
MISUSTOVA, J. Importance of hypothermy in the mechanism of the protective action of sodium fluoroacetate, 25:4580
  Radioprotective effect of AET, serotonine, natrium-fluoro-acetate, and histamine in mice, 25:26800
  Radioprotective effect of sodium fluoroacetate in mice, 24:9881
  Radiosensitivity of mice, 25:24412
  Role of hypothermy in the mechanism of radioprotective action of sodium fluoroacetate, 25:35163
MISYUNAS, G. Nuclear magnetic resonance spectrometer, 23:45592
MISYUNAS, I. I. Choice and calculation of dose fields in distance gamma-therapy of deeply situated tumors, 21:39417
MISYURA, V. A. Effects appearing in the ionosphere during the propagation of radio waves from satellites, 24:12719
  Electron concentration in outer ionosphere, 21:29119
  Ionospheric measurements by incoherent radio wave scattering, 23:51503
  Ionospheric measurements taken with the aid of incoherent scattering of radio waves by ionosphere, 25:33158
  Measurement of ionospheric parameters from Doppler and Faraday effects of coherent signals, 25:2971
  Measurement of the total number of electrons in the ionosphere, 22:15476
  Measurement of total electron content in the polar ionosphere from the recorded signals of the 3d satellite, 25:2983
  Measurements of the parameters of ionosphere by incoherent radiowave scattering, 25:9343
  Precision of determination of electron concentration in ionosphere by means of coherent frequencies, 21:37319
  Simultaneous ionospheric measurements by various radiophysical methods, 24:12720
  Variability of the ionosphere, 21:29110
MITA, Masae Measurements of ^{89}Sr and ^{90}Sr in environmental samples by low background β-ray spectrometer, 25:37314
MITACEK, Paul Jr. Calculations of Kerma due to fast neutrons in tissue-like materials, 21:6541
MITAINE, J. Solid-state fission chamber, 21:39199
MITAKE, S. Core temperature analyses for loss-of-coolant accidents of light water reactor, 25:20762 (JAERI-Memo-4194)
  Experimental studies on 20 per cent enriched U-light water assembly. III, 25:3912
  Three-dimensional dynamic behaviors of a reactor zonal control, 24:7099
MITAKE, Susumu Xenon-induced oscillations in BWCR, 23:28444
MITAL, V. Effect of plate temperature oscillations on MHD thermal boundary layer, 25:19564
  Magnetohydrodynamic flow past a semi-infinite flat plate with transverse magnetic field, 25:19570
MITAMURA, Takashi Direct conversion of uranium carbide to UCl$_4$ by gaseous reagents, 24:13866
  Preparation of uranium carbide from uranium chloride, 21:8279
  Preparation of uranium carbide from uranium tetrafluoride, 23:12404
  Preparation of uranium nitrides from uranium tetrachloride, 22:19612
  Preparation of US from UF$_4$, 24:20779
MITAMURA, Tohru Improvement in luminosity of a DuMond type β-ray spectrometer. I, 23:14026
MITANI, Eisuke Electron gun for an ion source, 24:5965
MITANI, H. Heterogeneity study for an intermediate-energy core programme, 22:35647
MITANI, Hiroshi Correlation between group cross sections to be adjusted by use of integral data, 24:16297
MITANI, Hiroyasu Electron microscopy study of the precipitation processes in Cu—2 wt. percent Be alloy, 25:13715
  Precipitation processes in Cu—2 wt. percent Be alloy, 25:45081
MITANI, Iwao Distribution to organs of ^{131}I—erythrosine B, 25:19060
MITANI, Kenji Collision-induced instability at cyclotron harmonics, 23:8634
  Distribution of emission intensity near electron cyclotron harmonic frequencies, 23:10669
  Electron cyclotron damping in the microwave radiation along the magnetic field, 23:25409
  Enhanced microwave emission from highly ionized plasma irradiated by microwaves, 21:37481
MITANI, Shigeshi Neutron crystal monochromator, 23:47274
MITANI, Shinji Steam volume fraction in two-phase flow. II, 22:33598
  Turbulent heat transfer to high temperature gas in a concentric annulus, 23:26051
MITAULT, G. Facility for the hydraulic transfer of irradiation containers, 22:47036
MITAULT, M. Organization of research in Grenoble Nuclear Centre in conjunction with the university and industry, 25:54330 (A/CONF.49/P-638)
MITCHEL, R. H. Signature recognition for nuclear detonations, 23:43421
MITCHELL, A. Al(α,α')Al* compound-nucleus reactions, 25:12422
  Influence of angular momentum on the decay of the ^{60}Ni compound nucleus, 22:53150
MITCHELL, A. C. 21-MeV alpha-particle scattering on A = 58 to 64 targets, 22:13978
  Compendium of shock wave data, 22:18741 (UCRL-50108(Vol.1)(Suppl.1))
  Compendium of shock wave data, 22:18742 (UCRL-50108(Vol.2)(Suppl.1))
  Shock-wave studies in condensed media, 21:34206 (UCRL-70247)
  Shock-wave studies in condensed media, 23:12345
MITCHELL, A. J. Reactions ^{14}N(p,^{3}He)^{12}C, ^{14}N(d,α)^{12}C, ^{13}C(p,d)^{12}C, 25:5563
MITCHELL, A. W. Crystal structure of americium sesquicarbide, 24:42268
  Crystal structures of Am—Sb, Am—Se, and Am—Te alloys near equiatomic composition, 25:6910
  Crystal structures of several intermetallic phases of Np and Pu alloys with Sb, Se, and Te, 25:30002
  Magnetic susceptibility of the monocarbides of uranium and plutonium, 21:32873
MITCHELL, Archer Sylvester Jr. Interaction of the solar wind with optically thin atmospheres, 25:13905
MITCHELL, Arthur X-ray detector for dynamic diffraction studies, 25:42210
MITCHELL, B. Criticality detection system, 25:8486
MITCHELL, B. E. Deaerator ejectors and blowers for 50-Mgd and larger desalination plants, 21:43090 (ORNL-TM-1922)
  Equipment components for large evaporator plants, 21:39078 (ORNL-TM-1841)
  Evaluation of long tubes for evaporators, 22:25220 (ORNL-TM-1923)
MITCHELL, C. Prog. rpt. on neutron activation techniques for mineral exploration, annual, 8/66, 22:18694 (TID-23668)
MITCHELL, C. J. Hot pressing of rare earth oxides, 21:32953 (BNWL-448)
MITCHELL, Charles E. Excretion of urinary steroids by beagle dogs burdened with ^{90}Sr, 24:14425
MITCHELL, D. J. Asymptotic behavior of the pair distribution function of a classical electron gas, 22:34818
MITCHELL, D. L. Postirradiation inspection of subassemblies discharged from runs 25 and 26 in EBR-II, 23:52348 (ANL-EBR-2)
  Remote refabrication of EBR-II fuels, 23:38946
  Vertical assembler—dismantler for the fuel cycle facility, 24:7355
  Vertical assembler-dismantler for the Fuel Cycle Facility, 24:4067 (CONF-691102-1)
  Vertical subassembly assembler—diamantler for fuel cycle facility, 24:29416 (ANL-EBR-10)
MITCHELL, D. R. Properties of welds in Ti—6Al—2Sn—4Zr—2Mo titanium alloy, 23:14351
MITCHELL, David L. Optimization study of blast shelter deployment. II, 21:41183 (LAMBDA-3(Vol.2))
  Optimization study of blast shelter deployment. III, 21:41184 (LAMBDA-3(Vol.3))
  Optimization study of blast shelter deployment. I, 21:41182 (LAMBDA-3(Vol.1))
MITCHELL, Don F. Electron optical characterization of metal surfaces, 22:36497
MITCHELL, E. J. Detection of faulty fuel elements in Dragon reactor, 24:40997 (DP-Report-288)
  Radiochemical analysis of fission products in Dragon, 24:41021 (DP-Report-207(Pt.1))
  Replenished autoclave for in-reactor corrosion studies, 23:12273
MITCHELL, E. N. Evaporated Ag—Al thermocouples for low temperature measurement, 23:41169
  Fermi velocity in single-crystal films of Pb, 25:9373
  Measurement of the superconducting energy gap and Fermi velocity in single-crystal lead films by electron tunneling, 25:43312
  Superconducting tunneling in single-crystal and polycrystal films of aluminum, 24:32801
MITCHELL, E. W. J. Anisotropy of defect production in electron-irradiated iron and silicon, 22:31929 (BNL-50083, pp 304-13)
  Annealing of graphite irradiated with electrons at 80°K, 23:10306
  Characterization of crystal defects by the fourier transform of long wavelength neutron scattering data, 21:21070
  Design and performance of the HERALD cold source, 24:11281
  Long wavelength neutron scattering by defects in irradiated germanium, 25:49993
  Radiation damage in covalent crystals, 24:28412
  Radiation-induced defects in diamond, 25:59137
  Scattering and absorption of light by neutron-irradiated quartz, 21:11325
  Use of research reactors in UK for neutron beam studies of condensed matter, 25:54180 (A/CONF.49/P-486)
MITCHELL, F. A. Increased survival of irradiated dogs given typhoid vaccine, 22:40889
  Postirradiation leukocyte patterns, 21:20328 (USNRDL-TR-67-23)
  Postirradiation leukocyte patterns in mice and dogs treated with endotoxin, 22:21560
  Recovery in the mouse after neutron-irradiation: evaluation of injury and recovery using split-dose lethality and repropulation of colony-forming units, 25:6773 (CONF-691106-, pp 435-50)
  Survival-promoting effects of endotoxin in mice, dogs, and sheep, 25:4586
MITCHELL, F. G. Heat sensitization of control of grey mold of strawberry fruits by gamma irradiation, 23:32008
  Irradiation of California fruits and vegetables, 25:35274
MITCHELL, Fern Wood Radiation polymerization of compacted trioxane, 25:21025
MITCHELL, Frank Ronald Goodwin Improvements in or relating to apparatus for neutron activation analysis, 22:8035
MITCHELL, Fred A. Increased survival of irradiated dogs given typhoid vaccine before or after irradiation, 22:4631 (USNRDL-TR-67-87)
MITCHELL, G. Retention of inhaled ethyl iodide labeled with ^{131}I, 22:43259
MITCHELL, G. E. Analogue states in ^{59}Cu, ^{61}Cu, ^{63}Cu, and ^{65}Cu, 25:3628
  Fine structure of analogue states in ^{55}Co, ^{57}Co, and ^{59}Co, 25:34055
  High-resolution investigation of (p,n) reaction, 25:38947
  Isobaric-analog resonances in Se isotopes, 22:37327
  Lifetimes of low-lying levels in ^{57}Ni, 24:43195
  Low-lying levels of ^{37}Ar, 25:34030
  Mean lifetime of the 1.61-MeV level in ^{37}Ar, 25:45959

Mean lifetime of the 2.94-MeV level in ^{33}S, 24:49826
Mean lifetimes and branching ratios of low-lying levels in ^{33}S, 24:18398
Mean lifetimes of low-lying levels of ^{34}S, 24:40595
Reactions ^{14}C + α, 25:9980
Reactions ^{89}Y(p,n)^{89}Zr and ^{88}Sr(p,n)^{88}Y, 21:13832
States in ^{16}O, 24:52449
Statistical properties of ^{49}V via proton resonance reactions, 25:41208
Study of analog states by the (p,n) reaction, 21:44632
Study of low-lying states in ^{46}Ti, ^{48}Ti, and ^{54}Fe, 21:40414
MITCHELL, G. F. Cell to cell interaction in the immune response. I, 23:6376
Cell to cell interaction in the immune response. II, 23:6377
Cell to cell interaction in the immune response. III, 23:6378
Cell to cell interaction in the immune response, 24:635
Cell to cell interaction in the immune response, 24:11995
Cell to cell interaction in the immune response. V, 24:25411
Influence of the thymus on antigen-reactive cells and their precursors, 23:47996
Red-shifts and power outputs of quasi-stellar radio sources, 21:18400
MITCHELL, G. R. Determination of inorganic iodide in urine by neutron-activation analysis, 23:49761
MITCHELL, George Ferguson Role of evolution in observational cosmology, 23:34247
MITCHELL, H. H. Problem of tuberculosis in the postattack environment, 21:41475 (NP-16851)
MITCHELL, I. V. Channeling of MeV He$^+$ ions W and other crystals, 23:39561
Channelling of protons through thin crystals, 22:31921 (BNL-50083, pp 125-41)
Depth distribution of implanted O in GaP, 25:43447
High resolution measurement of the ^{14}C(d,n)^{15}N reaction, 21:27532
Proton channeling through thin crystals, 23:3594
Use of color film in the study of proton channelling, 21:21104
MITCHELL, J. A. Activation shapes in ^{233}U- and ^{235}U—Th seed-blanket critical assemblies, 22:6116
Anisotropy of neutron migration in lattices of fuel rods in light water, 24:7307
Measurements and calculations of neutron migration and its anisotropy in lattices of fuel rods and liquid coolant, 25:31660
Relative reaction rates in seed-blanket slab assemblies with H-to-Th ratios of 0.51, 1.55, and 5.1, 21:17533 (WAPD-TM-615)
MITCHELL, J. B. Dispersion hardening of a Mo—1 at. percent Hf alloy by internal hardening, 25:13661 (UCRL-72627)
Mechanisms of growth and loss of coherency of HfN particles in molybdenum, 25:55460
Precipitation hardening of Mo—1 at. percent Hf by internal nitriding, 25:24562 (UCRL-50958)
MITCHELL, J. C. Dosimetry and primate irradiations with 2.3-GeV protons, 22:8525 (CONF-670305-, pp 318-28)
Fast/thermal neutron ratios determined by Ge(Li) gamma spectrometry, 22:38029
MITCHELL, J. D. Derivation of the generalized master equation for composite particles, 21:37102 (USNRDL-TR-67-78)
Derivation of the generalized master equation for composite particles, 23:16911
Trapped low frequency waves propagating along a warm plasma cylinder, 24:51750
Trapped waves propagating along a warm plasma slab, 23:27657 (N-69-10624)
MITCHELL, J. G. Argon-40/^{39}Ar method for K—Ar age determination, 22:40215
MITCHELL, J. P. Dose rate dependence of surface radiation damage effects in planar silicon devices, 21:34556
Prog. rpt. on effects of radiation on semiconductor materials and devices, final, 1—12/67, 23:17853 (AD-672812)
Radiation effects on semiconductors, final, 10/1/64—11/30/66, 21:39701 (AD-650195)
Radiation effects on SiO_2 and Al_2O_3 layers, 23:18736
Surface effects of radiation on semiconductor devices, 21:1968 (AD-628691)
Surface effects of radiation on semiconductor devices, 21:22225
MITCHELL, J. Peter Radiation-induced space-charge buildup in MOS structures, 22:33706
MITCHELL, J. S. Applications of radiation chemistry in radiobiology and radiotherapeutics, 23:35159
Development of radioactive drugs, 21:20289
Fractionation in radiotherapy of cancer of the lip, 21:45728
Labeled compound related to Synkavit and its uptake in certain human tumors studied by radio-isotope scanning, 23:41224
Radioactive drug for cancer chemotherapy, 22:19384
Radioactive drugs in the treatment and diagnosis of tumours, 23:41378
Radiotherapeutics, 23:50802
MITCHELL, J. T. Phosphorous-ion-implanted CdS, 22:29574
MITCHELL, J. T. D. Economic generation of power from thermonuclear fusion, 22:19925 (CLM-R-85)
MITCHELL, J. W. Conference on reactivity of solids, Schenectady, N. Y., 8/68, 24:2871
Methods for preparing replicas of slip bands preshadowed with uranium oxide, 25:19271
Strength of near-perfect single crystals of cadmium, 24:14738
MITCHELL, James Winfield Synergic solvent extraction and thermal studies of fluorinated beta-diketone-organophosphorus adduct complexes of lanthanide and related elements, 24:36350 (IS-T-353)
MITCHELL, Jerry K. Technique for precision measurements of nuclear moments in free atomic ions, 23:5962
MITCHELL, John C. Depth-dose distributions in cylindrical phantoms, 23:20238
MITCHELL, John Jr. Analysis of high polymers, 25:31784
MITCHELL, John P. Radiation dosimeter, 25:35036
MITCHELL, Joseph S. Radioactive pharmaceuticals, 21:10966
MITCHELL, Kabby Jr. Acute effects of air blast on pulmonary function in dogs and sheep, 24:41087 (DASA-2461)
MITCHELL, Keith James Methods and apparatus for treating sewage, 21:43201
MITCHELL, Kenneth B. Fluorescence efficiencies and collisional deactivation rates for N_2 and N_2^+ bands, excited from deposition of soft x rays, 24:7382 (LA-4248)
Fluorescence efficiencies and collisional deactivation rates for N_2 and N_2^+ bands excited by soft x rays, 25:131
MITCHELL, L. A. Leakage between surfaces in elastic contact, 22:8276
Model of the wear of two-phase self-lubricating composites, 23:14396 (RD/B/N-1213)
MITCHELL, L. Mary Fractionation in radiotherapy of cancer of the lip, 21:45728
MITCHELL, M. A. Lattice thermal conductivity of impure tin, 23:22528
Superconducting- and normal-state thermal conductivity of impure tin, 21:15064
MITCHELL, M. D. Prog. rpt. on high temperature flat cables, 11/70, 25:37159 (BDX-613-161)
MITCHELL, M. L. Radioimmunoassay of growth hormone by enzyme partition, 23:38494
MITCHELL, M. M. Cardiopulmonary function in uranium miners, 24:27567
MITCHELL, Martin W. Use of throw away cartridges to contain tritium released in neutron generators, 22:48393 (ORO-3346-29)
MITCHELL, N. T. Experience gained from the controlled introduction of liquid radioactive waste to coastal waters, 25:32095
Monitoring of the aquatic environment of UK, 24:7841
Radioactivity in surface and coastal waters of the British Isles, 1967, 23:2433
Radioactivity in surface and coastal waters of the British Isles, 1968, 24:21099 (FRL-5)
Radioactivity in surface and coastal waters of the British Isles, 1969, 25:26397 (FRL-7)
U. K. experience of radioactive waste release to the environment and expected waste management in fuel cycles in the 1980s, 25:51750 (A/CONF.49/P-512)
MITCHELL, O. M. Mracek Dislocation relaxations in single-crystal and polycrystalline niobium and tantalum at megahertz frequencies, 22:15214
MITCHELL, P. Estimation and measurement of electron losses from avalanches in hydrogen, 25:59010
Statistics of electron multiplication in proportional counters, 21:26180
MITCHELL, R. E. Chronic solar dermatosis, 22:564
MITCHELL, R. H. Isotopic composition of S in carbonatite at Mountain Pass, California, 25:51647
Semiquantitative study of trace elements in pyrite by spark source mass spectrography, 24:5596
MITCHELL, R. I. 1 to 4 micron spectra of four carbon stars and Sirius, 23:51204
Charts for Hyades stars, 23:8381
Micron spectra (1 to 4) of four M stars and Alpha Tauri, 24:4894
Portable smoke photometer, 21:30737 (CONF-660904-Vol.1 and 2, pp 928-40)
Spectral-energy curves of subdwarfs. I, 22:29018
Spectral-energy curves of subdwarfs. II, 22:41226
MITCHELL, Robert B. Microspectrophotometric studies of the effect of ^{60}Co irradiation on DNA synthesis in germ cells of the face fly, 25:32524
MITCHELL, Robert R. Experimental study of temperature dependence on the characteristic electron energy losses in Al, Sn, Mg, and Pb, 21:594 (AD-632895)
MITCHELL, Ronald D. Separation of cesium and strontium by electrodialysis, 22:27892
MITCHELL, Ronald W. Synthesis and properties of difluorodithiophosphoric acids, HPS_2F_2 and DPS_2F_2, 23:2280
MITCHELL, S. J. Crystallite parameter correlations for various polymer carbons, 25:49558
MITCHELL, S. L. SEFOR: Southwest Experimental Fast Oxide Reactor, 24:52966
MITCHELL, S. W. W. Is sodium reheat justified in a sodium-cooled fast breeder reactor power plant cycle, 23:4207
MITCHELL, T. E. Dislocation relaxation in single crystals of bcc metals, 24:48835
Dislocation relaxations in niobium single crystals, 22:39172
Dislocation structures in deformed single crystals, 23:34004
Internal friction in deformed single crystals of Nb and Nb—Mo alloys, 24:6191
Interstitial hardening and the Peierls stress in Tantalum, 25:35371
Interstitial solution hardening in tantalum single crystals, 25:13690
Mechanical properties of some tantalum alloys, 21:24767
Prog. rpt. on experiments in high voltage electron microscopy, 10/70—7/71, 25:49974 (COO-2119-1)
Stress and dilatation fields of the 111 dislocation in cubic crystals, 21:25189
Three-stage hardening in vanadium single crystals, 24:10074
Work-hardening in tantalum single crystals, 23:48402
Yielding, work hardening, and cleavage in Ta—Rh alloy single crystals, 22:31408
MITCHELL, T. J. Bayes-suggested solution in binomial estimation, 25:48389 (ORNL-4700)
Effect of temperature on the dose response of Gambusia affinis affinis, 24:14596
Secondary disease mortality in rat-mouse radiation chimeras, 25:8619
MITCHELL, Thomas G. Thyroid ablation in young mice, 25:35084
MITCHELL, Thomas P. Relativistic dynamics of a point charge in a magnetic-monopole field, 23:16905
Relativistic motion of a radiating point charge in a constant electromagnetic field, 25:36363
MITCHELL, Toby J. Simulation, fitting, and testing of a stochastic cellular proliferation, 24:24958 (ORNL-TM-2811)
MITCHELL, W. C. Atmospheric control of carbon content in annealing molybdenum base alloys, 23:48368
MITCHELL, Walter E. Jr. Measurement of chromospheric heights, 23:14549
MITCHELL, William Problems and progress in nuclear facilities licensing, 22:22745
MITCHELL III, Walter BN-350 reactor, 24:13510
MITCHEN, Jacque L. Polyribosome reduction and recovery following neutron exposure of regenerating liver, 23:9895
MITCHENER, B. E. Control reactor with a process computer, 24:47839
MITCHENKO, Yu. I. Study of the extraction of phosphorus-organic compounds by NMR, P, and H, 25:15739
MITCHIE, R. E. Voidage in liquid/gas two-phase flow systems, 24:29433
MITCHISON, N. A. Dosage requirements for immunological paralysis by soluble proteins, 23:35673
Immunological tolerance and inhibition by hapten, 24:17004
Stimulation of lymphocytes by direct exposure to antigen in vitro, 24:636
MITCHNER, M. Boundary phenomena in MHD generators, 22:41397 (AD-668454)
Computer program for calculation of electron transport coefficients, 24:15307 (AD-696243)
Diagnostics of MHD generator plasmas, 21:46194 (N-67-25075)
Electrical conductivity of a partially ionized gas in a magnetic field, 21:27140
Electrode temperature effect on MHD generator performance, 23:30379 (AD-683793)
Electrode-size effects in MHD generator with nonuniform electrical conduction, 22:26273
Electrostatic probe measurements in flowing NaK-seeded Ar, 22:44097
Finite ionization rate effects over electrodes in MHD channels, 22:26292
Kinetic theory of two-temperature plasma, 21:42065
Measurements in a nonequilibrium plasma boundary layer, 25:27685
Nonelastic collisions in partially ionized gases. II, 24:15325
Nonelastic collisions in partially ionized gases. I, 24:15324
Nonuniform electrical conduction in MHD channels, 21:35062
Scalar electric conductivity of weakly ionized real gases, 21:13574
Transport properties of MHD-generator plasmas, 22:45986
MITEL'MAN, M. G. Neutron detector, 25:57728
MITENKOV, F. M. Approximate description of the kinetics of a reactor during stability investigations, 21:13997
Atomic power plant with BN-600 reactor, 23:15577
Atomic power station BN-600, 23:13371 (JPRS-46747, pp 14-24)
Coolant system safety of reactors BN-350 and BOR, 22:53359
Coolant system safety of the reactors BN 350 and BOR, 22:20903
Doppler temperature coefficient evaluation for homogeneous reactors, 21:21657
Experience in fast reactor operation and design in USSR, 25:54136 (A/CONF.49/P-750)
Influence of the coolant flow on the transient processes occurring in a nuclear power installation, 21:31976
Influence of the temperature coefficient of reactivity on the character of the transient and emergency modes in a nuclear power station, 21:31978
New atomic icebreaker "lenin", 25:54251 (A/CONF.49/P-722)
Non-stationary operation of marine nuclear steam-producing installations, 25:3919
Safety of heat extraction for BN350 and BOR reactors, 23:25979 (ANL-Trans-744)
MITESCU, Catalin Dan Current dependence of the energy gap in superconductors: a direct measurement, 21:18611
MITHAL, S. S. Magnitude diameter relationship of 12013 stars, 23:25042
MITHRA, B. Theoretical analysis of (α,2α) reactions using triangular graphs, 24:38100 (LYCEN-7031)
Theoretical analysis of (α,2α) reactions, 25:9987
MITHRA, Benoit Final state interaction in (p,2p) and (α,2α), 25:1732
Reactions (p,pd), (p,pα), and (α,2α) with ^{6}Li, 24:40560
MITIGUY, J. R. Corporate model of an electric utility, 23:33015
MITIN, A. A. Detection of electrons by surface-barrier silicon detectors, 24:19231
Low noise preamplifier employing field effect transistors, 25:29340
MITIN, A. V. Amplitude modulation of γ-radiation, 25:40833
Gamma magnetic resonance, 21:34039
Neutron counter of hot and coherent phonons, 25:45593
MITIN, B. S. Determination of diffusion parameters in Mo—Ta and W—Ta systems, 24:32493
Reaction between tungsten and molten aluminum or silicon oxides, 21:21928

Wetting of tungsten and molybdenum by melts based on potassium, silicon, and aluminum oxides, 25:49447
MITIN, L. A. Experimental investigation of induced scattering of plasma oscillations in a strong magnetic field, 25:1248
Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
MITIN, R. V. Apparatus for the production and investigation of high-pressure heavy-current long arcs, 25:3112
Configurations of high pressure electrodeless discharges, 22:46171
Dense plasma pulsed arcs at high pressure. I, 24:26216
Effect of a magnetic field on the plasma of electrodeless discharges, 25:45469
High-pressure pulsed arcs in helium and hydrogen, 21:31455
Pulse heating in a high pressure argon arc, 21:16900
Pulse heating of plasma in high-pressure electrodeless discharges, 23:10605
Pulsed arcs in argon and helium at microwave frequencies, 24:47261
Pulsed argon arcs at pressures up to 1000 atm, 21:35197
Strong-current pulsed arc in hydrogen at pressure of 400 atm, 24:10566
Studies of dense plasma in high-pressure pulsed arcs. II, 24:17908
MITIN, V. I. Silicon detectors for recording pulsed beams of gamma radiation, 23:11769
Use of semiconductor counters for detection of neutrons accompanied by γ rays, 23:4820
MITINA, N. I. Measurement of parameters of a theta pinch in an azimuthal magnetic field, 22:15514
Measurement of thetapinch parameters in an azimuthal magnetic field, 22:29478 (NP-tr-1633)
MITITEL, E. G. Direct photodisintegration of ^{6}Li, 22:39581
MITJUNIN, Vladimir Alexandrovich Remote checking of radiation monitors, 25:23784
MITLER, Henri E. Origin of the rare light nuclides, 22:19729
MITO, A. Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:19255 (OU-LNS-69-1)
Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:25933
Excitation functions for deuteron-induced reactions, 22:15996
Excitation functions for the deuteron induced reactions, 22:7701 (OU-LNS-67-10)
Half-life of /sup 113m/In, 21:30001
MITO, Asae Target chemistry of ruthenium, 23:47448
MITO, Iwao Observation of primary electrons with emulsion chamber, 25:30328
MITO, Norio Clothing contamination monitor for β ray, 24:31689
Radiation protection against x-ray diffraction apparatus, 25:13457
MITOLA, J. Retention and fate of inhaled plutonium dioxide in dogs, 21:14632
MITOMA, C. Effect of deuteration of O—CH$_3$ group on enzymic demethylation of o-nitroanisole, 21:32588
MITOMA, Chozo Pharmacologic effect of deuterium substitution on 5-n-butyl-5-ethylbarbituric acid, 24:34058
MITOME, D. FFTF backup design interface definition discussion of system requirements, 25:10266 (GEAP-5721)
MITOMO, Shoichi Development of irradiation technics. II, 25:6581 (JAERI-Memo-4121)
MITOV, V. N. Effect of multiply scattered γ-radiation in the x-ray radiometric method, 25:28939
Semiconductor detectors for radioisotopic x-ray fluorescence method, 24:44297
X-ray radiometric determination of Pb in samples with a ^{75}Se source, 25:28940
MITOYAN, S. V. High-energy γ quanta generated in nuclear interactions, 22:21936
Spectrum of high-energy γ quanta at an altitude of 3250 m above sea level, 23:18468
MITRA, A. C. Comparison of theoretical and experimental test results for a ribbed spherical vessel. I and II, 23:11210
MITRA, A. N. Analysis of 3N parameters with N—N forces, 25:1778
Baryon mass splittings in SU(6) x O(3) quark model, 21:44417
Consequences of a QQ anti Q model for meson—baryon processes, 22:46439
Consistency among +- meson couplings in the quark model, 24:49463
Coulomb energy and the mass difference of ^{3}H and ^{3}He, 21:9738
Crossing-symmetric form factor for hadron couplings, 25:47844
Dynamical model for baryon resonances, 21:5398
Electromagnetic form factors of ^{3}H and ^{3}He with realistic potentials, 21:13798
"Exact" evaluation of three-body parameters, 23:3930
Faddeev treatment of ^{6}Li with a separable potential, 24:24506
Form factors for hadronic decays in broken SU$_6$ x O$_3$, 23:32796
Hadron couplings in broken SU(6) x O(3). I, 24:24375
Hadron couplings in broken SU(6) x O(3). II, 24:24351
Lithium-6 as a three body system, 22:32509
Meson—baryon couplings and K^{-}p reactions, 24:47447 (CONF-690557-(Vol.2), pp 781-95)
Meson—baryon couplings in a quark model, 21:37821
n-p mass difference in a model of higher baryon couplings, 24:47452
New scheme for the classification of baryon resonances, 22:46456
Nuclear three-body problem, 25:56872
Paraquark dynamics of baryons and resonances, 21:31631
Paraquarks, structural saturation, and hard core, 22:46465
Partial symmetry and meson couplings, 21:42423
Phenomenological hadron couplings, 24:42936
Pion absorption and nuclear correlations in ^{3}He, 22:26828
Pion production, current algebra, and coupling-constant relations, 22:44436
QQ anti Q model of meson—baryon processes, 22:22382
Quark model for baryon—baryon processes, 21:37778
Quark model for baryons and resonances, 22:32125
Quark model for meson—baryon processes, 21:29549
Quark model for photoproduction of baryons, 21:29483
Quark model, partial symmetry, and a unified scheme for PBB/sub L/ and VBB/sub L/ couplings, 24:3681
Quark statistics and baryon form factors, 21:906
Quark-model couplings and strong decays of tensor and axial-vector mesons, 22:11657
Quarks and couplings among hadrons, 23:34574 (IC-69/43)
Regularities in the baryon spectrum, 25:45759
Relativistic corrections to the three-body problem, 24:37677
"Repulsive" potential approach to pion resonances, 22:15762
Rescattering effects in the quark model for meson—baryon couplings, 23:15121
s-Wave quarks and baryon resonances, 22:26655
Strong decays of higher baryons in a quark model, 22:34992
Survey of resonance physics, 25:36516
Tensor force and zero-energy n-d scattering, 21:19167
Tensor-force, hard-core, and three-body parameters, 21:38381
Three-body investigations with realistic potentials, 23:25785
Three-body systems through factorable potentials, 21:15611 (CONF-660221-, pp 132-9)
MITRA, A. P. Aspects of electron content measurements from satellite radio beacon transmissions, 25:9294
Changes in electron density and collision frequency at University Park, Pa, 23:42104
Daytime ionospheric effect associated with x-ray flare from Sco XR-1, 25:1078
Electromagnetic probing of the atmosphere: the mesosphere and the lower thermosphere, 25:38211
HF and VHF absorption techniques in radio-wave probing of the ionosphere, 24:30249
Ion kinetics in the lower ionosphere, 22:22066
Observations of electron density during a solar flare, 25:9300
Observations of sudden cosmic noise absorption and x-ray flares, 21:2108
Review of D-region processes in nonpolar latitudes, 22:41499
MITRA, B. Measurement of the absolute (n,2n) cross section of low Z nuclei for 14.8-MeV neutrons, 21:15509 (CONF-660221-, pp 66-8)
Reaction (n,2n) cross section of ^{31}P, ^{64}Zn, ^{69}Ga, and ^{107}Ag for 14.8-MeV neutrons, 22:29973
Results of (n,p) cross sections of 14-MeV neutrons in low-Z nuclei, 22:32729
MITRA, B. K. Electrochromatography in the separation of ions, 24:50454
MITRA, G. C. X-irradiation effects on Hibiscus, 22:49302
MITRA, Jaganmay Differential x-ray sensitivity of hydras in relation to age, 25:39906
Growth stimulating and inhibitory actions of x-rays on hydra, 24:48673
Relative radio-sensitivity of different cell-types in Hydra, 25:42613
MITRA, N. K. Operation of a convergent-flow electron gun for thin beams, 25:33919
MITRA, N. R. Ion kinetics in the lower ionosphere, 22:22066
MITRA, P. C. Spins of first two excited states in ^{27}Mg reaction ^{26}Mg(d,p γ)^{27}Mg, 21:29912 (BARC-276)
Two parameter analyzing facility for coincidence experiments in nuclear reactions, 21:14493 (CONF-660221-, pp 348-50)
MITRA, S. Anomalous pulse spectrum of a plastic scintillator at sea level, 25:35010
MITRA, S. K. Beta decay experiments and parity of ^{192}Ir, 21:15551 (CONF-660221-, pp 184-8)
Beta—gamma correlation measurements on ^{192}Ir, 21:38362
Beta—gamma directional and circular polarization correlation in ^{228}Ac, 21:15552 (CONF-660221-, pp 189-91)
Fabrication of high resolution lithium-drifted germanium detector, 25:48987
Fermi matrix elements in allowed beta transitions in ^{56}Co, ^{58}Co, and ^{134}Cs, 21:23456
Fermi matrix elements in the beta decays of ^{59}Fe, 24:15903
Isospin impurities of low-lying nuclear states, 23:19351
Nuclear matrix elements in 2.14-MeV beta group in ^{139}Ba, 23:23696
Spin of ^{228}Ac from beta-decay experiments, 21:4285
MITRA, S. S. U band in CsI, 24:22654
MITRA, Samir K. Binding of transfer RNA and arginine to arginine transfer ribonucleic acid synthetase of E. coli, 24:13659 (COO-1498-8)
MITRA, Sanjit K. Pulse shape in multiwire proportional wire chamber, 24:9641 (SLAC-108)
MITRA, Sankar Denaturation of DNA after x-irradiation in vitro, 24:44441
MITRA, V. Formation of planets, 24:37173
MITRA, Ved Enhancement of Li I line (6708 A) in the twilight airglow due to thermonuclear explosion, 21:16866
Fractional burnup in a thermonuclear explosion, 25:54827
Mass distribution of planets on particle accretion, 25:35832
Optical and electrical properties of Mn-doped KCl crystals, 25:7444
Optical and ESR studies in pure and Mn-doped LiF crystals, 25:1283
Thermonuclear explosion under optimum conditions, 24:17979
MITRANI, L. Quick method of constructing isodose curves in the human body, 21:20258
MITROFANOV, I. E. Photoneutron cross sections for ^{90}Zr and ^{91}Zr, 23:47005
Photoneutron cross sections of ^{203}Tl and ^{205}Tl, 25:28391
Photoneutron cross sections on Al, S, Ta, and Bi, 22:11921
MITROFANOV, K. P. Photoeffect and internal conversion in resonant absorption of M1 gamma quanta by ^{119}Sn, 25:5787
Resonance counter for ^{57}Co gamma radiation, 21:6236
Resonance recording of ^{57}Co γ quanta, 25:18751
MITROFANOV, N. K. Determination of electron energy distribution in plasma in presence of oscillations, 24:10513
Energy distribution of electrons in the positive column of an argon discharge, 21:23171
Measurement of the electron energy distribution function in a noisy plasma, 21:29216
MITROFANOV, Nicolas Method of increasing the maximum operating temperature of a radiation detection device, 22:21333
MITROFANOV, O. V. Influence of spark discharges on the true structure of tungsten crystals, 22:43604
MITROFANOV, V. I. Investigation of vaporization of carbide, nitride, and carbonitrides of uranium, 23:43305
MITROFANOV, Yu. A. Ability of chromatid bridges in C. capillaris and Vicia faba to develop during the first hours after gamma irradiation, 24:50829
Chromosomal aberrations mechanism, 22:43280
Chromosome structure as seen with tagged irradiation, 21:26398
Combined treatment of barley and wheat seeds with ionizing radiation and ethylene-imine for the induction of mutations, 25:55261
Combined treatment of plants with irradiation and ethylenimine, 25:52042
Dose curves of appearance of chromosome rearrangements, 25:44786
Effect of radiation on mitotic cycle of cells, 22:21477
Influence of puromycin and 5-fluoro-2'-deoxyuridine on processes of formation of chromosome rearrangements in irradiated seeds, 23:29442
Influence of radiation on crepis capillaris, 24:23176
Modification of radiation effect, 25:21665
Radiosensitivity of cells in phases of mitotic cycle, 25:16281
MITROFANOV, Yu. V. Charge compensation mechanisms of trigonal centers in CeO$_2$, 23:44540
MITROFANOVA, A. V. Photofission of the nuclei Bi, Pb, Tl, Au, Pt, Os, Re, Ta, and Hf in the energy region up to 1600 MeV, 22:5856
Recording of alpha particles with nitrocellulose films, 23:2588
MITROFANOVA, E. A. Boron fiber strength, 25:47164
MITROFANOVA, G. N. Effect of gamma irradiation of gadolinium oxide on the homomolecular isotopic oxygen exchange reaction, 22:30529
Gamma radiation effects on homomolecular exchange of oxygen in lanthanum oxide, 23:21737
Influence of gamma irradiation on catalytic activity of lanthanum oxide in homomolecular isotopic exchange reactions of oxygen, 23:4695
Influence of the conditions of preliminary treatment on the energy of the bonding of oxygen on lanthanum oxide, 25:18389
MITROFANOVA, L. V. Effect of polyfunctional monomers on radiation crosslinking of polyethylene, 21:38966
MITROKHOVICH, N. F. Positron decay in ^{194}Au and ^{188}Ir, 25:28392
Positron decay of ^{146}Gd, ^{146}Eu, and ^{148}Eu, 24:35889
Positrons in ^{154}Tb and ^{154m}Tb decay, 24:35887
Positrons in ^{174}Lu decay, 23:11031
MITRONOVAS, Walter Short-period seismic energy radiation patterns from underground nuclear explosions and small-magnitude earthquakes, 21:36180
MITROPAN, I. M. Plasma heating in the two-step theta pinch, 22:26360
MITROPOL'SKAYA, O. N. Differences between the profiles of two infrared hydrogen lines in a facula and the photosphere, 21:16738
Turbulent velocities and damping constants in faculae and in photosphere, 25:19420
Turbulent velocities in faculae and the photosphere, 22:52453
MITROPOL'SKII, A. N. System for the automatic indication of impurities in sodium coolants, 25:29261
System of monitoring and measuring instruments for fast reactors, 23:52336 (JPRS-48330, pp 293-312)
MITROPOL'SKII, A. S. Geochemistry and mineralogy of radioactive elements in Siberia, 24:44135
MITROV, G. Diagnosis of chronic radiation sickness, 22:31255
Results with radiation treatment of non-tumorous illnesses, 22:40741
MITROV, G. G. Depression of leukopoiesis in radiation therapy, 22:21590
Nephrography with aid of ^{51}Cr-EDTA and ^{57}Co-DTPA, 25:29577
MITROVIC, Momcilo Lesions of hearing caused by radioactive radiations, 22:49529
MITROVIC, S. Analysis of thermal reliability of RA reactor core, 25:31638
Emergency measures in the event of a nuclear accident at the Boris Kidric Inst., Vinca, 24:7900
Legal control of discharge of radioactive materials in Yugoslavia, 24:7915
MITROVIC, Srdan Criteria and principles of nuclear power plant location, 24:20589

- MITRY, A. M. Heat transfer in annular reactor channels, 25:37008 (UARAEE-50)
  - New approach for calculations of nuclear fuel consumption in UA-RR-1 core, 25:37077 (UARAEE-63)
- MITSCH, Adolf High currents- and automatic control techniques for Obrigheim nuclear power plant, 22:14192
- MITSCH, P. Electron diffraction study of the oxidation of UO_2 and the structure of a U_3O/sub 8-x/ superstructure phase, 21:10355
- MITSCHE, R. Effect of alpha irradiation on the thermal stability of cementite, 23:20989
  - Effect of neutron irradiation on thermal stability of cementite in white cast iron, 22:2672
  - Microstructure and properties of tungsten carbide—cobalt alloys, 22:2681
- MITSCHRICH, H. Damage caused by nuclear accidents, 24:7780
  - First-aid treatment in thermonuclear injuries, 23:8025
- MITSEL'MAKHER, G. V. Decays $\pi^+ \to e^+(\mu^+)\nu e^+e^-$, 25:19963 (JINR-P2-5520)
  - Determination of the mass of the muonic neutrino in radiative pion decays, 25:43609
  - $\pi^+ \to e^+(\mu^+)\nu e^+e^-$ decays, 25:59412
  - Search for $\mu^+ \to e^+ + e^+ + e^-$ decay, 25:52999
  - Search for $\mu^+ \to e^+ + \gamma$ decay, 25:33658
  - Search for $\pi^+ \to e^+ + \nu$/sub e/ $+ e^+ + e^-$ decay, 25:59255 (BNL-tr-451)
  - Search for $\pi^+ \to e^+ + \nu e + e^+ + e^-$ decay, 25:33528
  - Search for the decay $\mu^+ \to e^+ + e^+ + e^-$, 25:19891 (JINR-P1-5542)
  - Search for the decay $\mu^+ \to e^+ + e^+ + e^-$, 25:59254 (BNL-tr-449)
  - Shower efficiency of spark chambers, 25:35006 (JINR-P13-5810)
- MITSEVICH, A. T. Operating experience of ships with atomic power plants, 22:10053 (JPRS-43550)
- MITSKEVICH, A. I. Method for estimating the efficiency of convective heat transfer, 24:9589
- MITSKEVICH, N. V. Averaging gravitational field in material media, 24:40468
  - Chronometric invariance and the problem of gravitational energy, 22:18024
  - Motion of test masses in the gravitational field of a rotating body, 25:845
  - Natural gauge of a tetrad field and gravitational energy, 23:23552
  - Physical fields in general theory of relativity, 23:39830
  - Transformation of general covariant observable values, 25:30970
- MITSKEVICH, S. I. Apparatus for proportioning the doses of solutions of radioactive substances under conditions of work with shielding boxes, 22:21503
- MITSKEVICH, Yu. G. Automatic control of technological processes in radiochemical industry, 25:6411
- MITSONIAS, C. Experience and research with the Greek reactor, 25:28774
- MITSONIAS, C. A. Experiments and other activities with GRR-1, 25:54172 (A/CONF.49/P-3)
  - System for the production and study of bromine delayed neutron precursors from fission, 25:57504
  - Work in Greece on delayed neutrons, 24:30774
- MITSUGASHIRA, T. Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:19255 (OU-LNS-69-1)
  - Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:25933
- MITSUGASHIRA, Toshiaki Chemistry of protactinium. IX, 25:46556
  - Target chemistry of ruthenium, 23:47448
- MITSUHASHI, H. Dislocation effects on luminescence of CdS crystals, 22:26527
- MITSUHASHI, Hideo Use of Bleomycin for radiotherapy patients, 24:34394
- MITSUHASHI, Toshihiko Contamination of radioiodine in milk, 23:2844
- MITSUI, Eizo Radiation disinfestation of cereal insects. II, 25:21822
- MITSUI, H. Effect of uv-irradiated vesicular stomatitis virus on nucleic acid synthesis in chick embryo cells, 25:8806
  - Lattice studies of clusters of UO_2 fuel pins, 23:4341
- MITSUI, Hidehiko Burnup analysis of uranium dioxide nondestructive analysis by external conversion method, 21:10221
  - Correction factor for external conversion method of gamma-ray measurements, 21:7777
  - Highly enriched U—Al, 0.95 wt percent enriched uranium, and Li—Al target supercell: PCTR experiments, 23:49583 (BNWL-1029)
- MITSUI, Hiroahi Network formation induced by acetylenic compounds in the polymerization of methyl methacrylate, 24:27164
- MITSUI, Hiroshi Accelerating effect of acetylene on the γ-radiation-induced cross-linking of polyethylene, 24:31377
  - Effect of acetylene of γ-radiation-induced polymerization of ethylene, 22:51004
  - Effect of alcohols on the gamma-radiation-induced polymerization of ethylene, 22:45130
  - Effect of H on γ-radiation-induced polymerization of ethylene, 24:16614
  - Effect of oxygen on γ-radiation-induced polymerization of ethylene, 22:8136
  - γ-radiation-induced polymerization of ethylene, 24:2245
  - Initiation reaction in γ induced polymerization of ethylene, 21:1393
  - Kinetics of the gamma-radiation-induced polymerization of ethylene in tert-butyl alcohol, 23:2339
  - Kinetics of the γ-induced polymerization of ethylene in liquid carbon dioxide, 23:6157
  - Liquid carbon dioxide as a solvent for the radiation polymerization of ethylene, 23:6160
  - Mechanism of initiation in γ-induced polymerization of ethylene, 21:25892
  - Polyethylenes formed by the γ-radiation-induced polymerization in various alcohols, 22:2105
  - Radiation induced chain reaction and its application to polymer chemistry, 25:4097
  - Study on the radiation-induced chain crosslinking and crosslinking polymerization, 25:8276 (JAERI-Memo-4147)
  - Two stage radiation polymerization of ethylene in the presence of a carbon dioxide medium, 25:6357
  - Two-stage irradiation study on propagation and termination in γ-radiation-induced polymerization of ethylene in liquid carbon dioxide, 22:25426
- MITSUI, Sam M. Beryllium structural design of a prototype solar panel, 25:47096 (NMAB-272, pp 149-69)
- MITSUI, Shingo Absorption of radioactive Sr by soil, especially in relation to native Ca, 21:25983
- MITSUI, Tadayasu Effect of magnetic-field cooling in V, 24:12894
  - Magnetic properties of sigma phase of some 3d-transition alloys, 23:32583
- MITSUI, Tadayasui Superconductivity and magnetic susceptibility of Zr_2Co—Zr_2Ni system, 24:51576
- MITSUI, Toshihiro Operation manual for JRR-3: auxiliary facilities, 25:51165 (JAERI-13690)
- MITSUISHI, Nobuo Studies on removal of radioactive mist by plate column, 21:25952
  - Studies on the fluidized bed calcination of high level radioactive liquid wastes, 25:18630
- MITSUJI, T. Rapid separation of radioactive Cs, 24:14021
- MITSUJI, Toshikazu Behavior of cerous ions in its very low concentration, 23:45260
  - Chemistry of Pa. IV, 21:42925
  - Chemistry of protactinium. III, 21:23894
  - Chemistry of protactinium. V, 22:8177
- MITSUK, V. E. Steady-state distribution of charged particles in the diffusion approach, 25:59048
- MITSUMA, Terunori Radiommunoassay of triiodothyronine in unextracted human serum, 25:55146
- MITSUOKA, T. Critical current densities in superconducting Nb films, 23:5353
- MITSUTA, Hideo High energy electron beam therapy, 25:58075
  - Technique of obtaining isodose curve from film dosimetry, 25:24170
- MITSUYA, Nobuhiko Determination of gold in high-purity cadmium by neutron activation analysis, 22:33227
- MITSUYASU, Y. Histological findings in the bone marrow of autopsy cases subjected to radiotherapy for neoplasms, 23:8079
- MITSUYASU, Yukishige Subacute and chronic histological changes in the irradiated bone marrow, 22:40930
- MITSZUOKA, Takeshi Superconductive transition temperatures of reactively sputtered niobium films, 22:48057
- MITTA, A. E. A. Determination of free /sup 99m/Tc in labeled compounds by means of thin layer chromatography, 25:28991
  - Determination of inorganic radio-iodides in compounds labeled with ^{131}I by thin layer chromatography. II, 22:33229
  - Determination of inorganic radioiodine in compounds labeled with ^{131}I by thin layer chromatography, 22:39979 (CNEA-224)
  - Determination of inorganic radioiodine in compounds labeled with radioiodine using thin-layer chromatography, 24:43939 (CNEA-264)
  - Determination of inorganic radioiodides in ^{131}I-labelled compounds, 25:6278
  - Methods of testing radiopharmaceuticals, 25:6269
  - Thin layer chromatography of various radiopharmaceuticals, 25:26179 (CNEA-285)
  - TSH—^{131}I: distribution in normal and hypothyroid rats, 22:51374
- MITTA, Aldo E. A. Determination of free /sup 99m/Tc in labeled compounds by means of thin layer chromatography, 24:43963 (CNEA-265)
  - Determination of inorganic radio-iodides in compounds labeled with ^{131}I, 21:4472
  - Preparation of ^{125}I- and ^{131}I-insulin of high specific activity, 24:31767 (CNEA-255)
- MITTAG, I. Corrosion products in primary cooling circuit of PWR's, 24:16183
- MITTAG, K. Beam cavity interactions in a superconducting proton accelerator structure, 23:28190
  - Gamma—gamma and electron-gamma angular correlation studies in the decay of ^{75}Se, 22:42080
  - Longitudinal beam rf field interactions in a linear accelerator cavity of high Q-value, 24:37991 (NP-18296)
  - Non resonant beam break-up effects in superconducting structure, 24:10879
  - Superconducting resonators in the presence of radiation pressure and frequency feedback, 25:50307
- MITTAG, Karl Experiments on particle—field interactions in a superconducting proton linear accelerator, 24:33070 (NP-18227)
- MITTAG, L. Integrals in the theory of electron correlations, 21:3866
- MITTAL, I. P. Separation of Ti, Zr, Ce, and Th from metal ions, 23:40833
- MITTAL, J. P. Electron transfer reaction in the radiation chemistry of some biologically important disulphide compounds, 25:31974
  - Even electron species in the gamma-radiolysis of liquid hydrocarbons, 25:31972
  - Intramolecular electrostatic electron traps, 23:7559
  - Light emission from the dissolution of gamma irradiated alkali halides in water, 25:34620
- MITTAL, Jai P. Comments on aquoluminescence, 25:21003
  - Even electron species in the γ-radiolysis of liquid hydrocarbons, 24:50401 (CONF-690916-(Vol.2), pp 174-9)
  - Polymer production in γ radiolysis of methane in liquid argon, 23:9438
- MITTAL, Jai Pal Spectroscopic evidence for ionic processes of γ-irradiated alkyl iodides at -196°, 23:9476
- MITTAL, M. L. Effect of various cations and anions on reduction of Mo(VI), 23:40542
  - Electrometric investigations of uranyl arsenites, 22:30535
  - Instabilities of collisionless plasma due to shear magnetic field, 24:35465
  - Potentiometric study on uranyl arsenites as function of pH, 25:15575
- MITTAL, R. S. Nonlinear generation of combination frequencies in a homogeneous magnetoplasma, 21:23192
  - Second-harmonic generation in plasmas by nonuniform microwave fields, 22:19984
- MITTELHAUSER, H. M. Jr. Radiation crosslinking studies on branched polyvinyl acetate, 23:45330
- MITTELHAUSER, Henry M. Radiation-induced reactions in polystyrene and polyvinyl acetate, 21:14280
- MITTELMAN, Phillip S. Calculation of neutron, primary, and secondary gamma flux at an air-ground interface, 22:4280
  - New technique for the computer representation of the human body, 21:6515
  - New technique for the computer representation of human body, 21:32633 (ANS-SD-4, pp 57-65)
  - Practical aspects of multi-dimensional Monte Carlo shielding calculations, 25:3176
  - Practical aspects of multi-dimensional Monte Carlo shielding calculations, 25:33362 (ANS-SD-11, Paper 8)
  - Practical aspects of multidimensional and time-dependent Monte Carlo shielding calculations, 24:6587
  - Reactor system for gamma irradiation, 22:39889
- MITTELMAN, Phillip Sidney Method for measuring the shielding effectiveness of a heterogeneous structure for shielding against fundamental charged particles, 23:1510
- MITTEL'MAN, V. A. Use of EDTA preparations labelled with ^{51}Cr and ^{169}Yb in radioisotope diagnosis, 25:55272
- MITTELSTAEDT, James Stanley Detoxifying effect of gamma radiation on venom in rabbits, 25:26674
- MITTELSTAEDT, P. Calculation of nuclear properties with equivalent nonlocal nucleon—nucleon potentials, 22:26855
  - Cosmological solutions of Lorentz invariant theory of gravitation, 22:24731
  - Equation of state for neutron matter, 24:44851
  - Geometrical interpretation of the theory of gravitation in flat space, 21:29394
  - Physical laws in accelerated reference systems, 23:49185
- MITTELSTAEDT, Peter Lorentz-invariant gravitational theory, 24:47510
- MITTEMPERGHER, M. Assessment of the U potential of Italy's main lignite deposits, 23:26376
  - Exhalative-supergenic uranium mineralization in quaternary alkaline volcanic rocks of central Italy, 25:18542
  - Geochemical prospecting of Trentino-Alto Adige area, 23:21830 (RT/GEO-(68)18)
  - Radioactive waste disposal in Italy: preliminary siting study, 22:18923
  - Selection criteria for ground disposal sites for solid radioactive waste in highly populated areas, 22:16809
  - Short illustration of Italian mineralizations, 21:45262
  - Uranium ore genesis in Permian and Lower Triassic of Italian Alps, 25:18548
- MITTEMPERGHER, Mario Thorium resources in Italy, 22:30732
  - Uranium mineralizations of Italian Alps, 24:33803 (CONF-660967-2)
  - Uranium ore deposits in the Belviso Valley, 24:31515
- MITTENBACHER, J. Interactions of 14-MeV neutrons with ^{10}B, 21:44568 (ZFK-122, pp 201-6)
  - Investigation of ^{6}Li(^{6}Li,n)^{11}C reaction with threshold energy of 1.9 MeV, 23:21269 (ZFK-130, pp 170-3)
  - Investigation of reaction ^{16}O(n,α)^{13}C with 14.1-MeV neutrons, 23:21265 (ZFK-130, pp 148-51)
  - Neutron- and gamma-induced nuclear reactions on ^{12}C in stilbene crystals, 21:44573 (ZFK-122, pp 293-8)
- MITTENDORF, Richard J. Evaluation of linear polyethylene and fiber glass reinforced epoxy for use as irradiation capsules, 25:43011 (N-71-16499)
- MITTER, H. Analytic regularization and gauge invariance, 23:3812
  - Analytic regularization, electromagnetic mass differences, and $\pi^0 \to 2\gamma$ decay, 24:49397
  - Bound-state solutions of Bethe—Salpeter equation in momentum space, 23:30813
  - Construction of canonical operators in noncanonical field theories, 24:3746
  - K-mesic atoms and hypernuclei, 25:36539
  - Non-linear effect in quantum electrodynamics, 23:1677
  - Nonlinear spinor theory in terms of vacuum expectation values, 21:15400
  - Radiative corrections to leptonic-decay modes of the neutral vector mesons rho°, ω, phi, 22:32070
  - Vacuum structure in quantum electrodynamics, 22:39473
- MITTER, P. K. Algebra of fields and Weinberg's second sum rule, 23:18980
  - Analytic renormalisation of the exponential interaction and weak interaction singularities, 25:45716
  - Chiral dynamics, SU(3) x SU(3) field algebra and symmetry breaking, 23:8832
  - Chiral Lagrangians, SU(3) x SU(3) field algebra, symmetry breaking and K/sub l4/ decay, 25:53125
  - Chiral symmetry for Regge residues, 21:18976
  - J-plane structure of the Veneziano model, 23:46702
  - O(4) symmetry and forward photoproduction of pions at high energies, 22:3336
  - Theory of weak interactions without divergences, 24:37736

- MITTER, Werner Influence of neutron irradiation on the graphitization of unalloyed and alloyed malleable cast iron, 25:42904
- MITTERAUER, J. High-current techniques in present-day nuclear fusion research and development. I and II, 25:47574 (CTO-752)
- MITTERLECHNER, E. Localization test of thyroid gland with ^{131}I, 21:10957
- MITTHOF, E. F. Gegenbauer polynomial solutions of the Boltzmann equation for plane and cylindrical geometry, 22:11880
- MITTIG, V. Studies of two-partially vacant states, 23:10986
- MITTIG, W. Analogue states of ^{140}La levels, 23:49387 (CEA-CONF-1322)
  - Analogue states of ^{140}La levels, 24:43448
  - Coulomb displacement energies from isobaric analogue state studies in deformed nuclei, 23:1889
  - Identification of rotation bands through quantitative analysis of analogue resonances, 24:3917 (CEA-CONF-1324)
- MITTING, W. Interest of analog state studies in deformed nuclei, 25:28472
- MITTLEMAN, M. H. Elastic electron—atom scattering at intermediate energies, 25:49704
  - Excitation of two atoms by a single photon, 22:29212
  - Minimum moment required to bind a charged particle to an extended dipole, 21:3675
  - Pressure shifts of highly excited states of atoms, 21:43819
  - Rotational excitation of polar molecules by electrons, 23:1186
  - Statistical treatment of ionization in atomic collisions, 21:16805
- MITTLEMAN, Marvin H. Accurate low-energy atom—atom scattering, 24:8353
  - Annihilation of positrons during scattering, 25:30289
  - Critical assessment of the polarized-orbital method in atomic scattering, 22:41369
  - Eikonal theory of intermediate-energy electron—atom scattering, 25:52678
  - Elastic scattering of electrons by atoms, 21:18454
  - Formal problems in the theory of dissociative attachment and recombination, 22:47799
  - Formal theory of resonance scattering, 23:27383
  - High-energy atomic charge transfers, 25:16825
  - Intermediate-energy electron—atom scattering. I, 25:9214
  - Model for high-energy charge transfer, 22:15343
  - Polarization of atomic radiation excited by electron impact at threshold, 22:24057
  - Positronium formation in positron—hydrogen scattering, 22:952
  - Positronium formation in positron—helium scattering, 23:27348
  - Rearrangement collisions. II, 21:2031
  - Relativistic effects in the excitation of triplet helium states by electrons, 22:5074
  - Resonances in proton—hydrogen and positron—hydrogen scattering, 21:7021
  - Structure of heavy atoms: three-body potentials, 25:52685
  - Two-state theory of dissociative attachment, 23:46271
- MITTLEMAN, S. D. Nondestructive thickness measurement in thin sections of germanium, 22:28079
- MITTLER, A. Levels of ^{69}Ga and ^{71}Ga via the (n,n'γ) reactions, 23:30987
- MITTLER, Arthur Inelastic scattering of 8.0 to 9.0 MeV neutrons by ^{24}Mg, ^{27}Al, ^{28}Si, ^{31}P, and ^{32}S, 25:59770
- MITTLER, Sidney Effect of urethane and colchicine on radiation-induced chromosome loss in male Drosophila, 21:20122
- MITTMANN, H. U. Secondary rainbows and interference in elastic scattering of H^+ by Ar, 25:27458
- MITTNER, P. Charge conjugation in eta $\to \pi^+\pi^-\gamma$, 21:17026
  - Dalitz plot analysis for decay eta $\to \pi^+\pi^-\gamma$, 22:17846
  - Dalitz plot analysis for the X^0 decaying into eta$\pi^+\pi^-$, 23:42655
  - Dalitz plot analysis of decay eta $\to \pi^+\pi^-\pi^0$, 22:34831
  - Possible C,T violation in electromagnetic interactions, 23:49183
  - X^0 production in π^-p interactions, 22:17876
- MITTON, C. G. Oxygen isotope effects by a non-competitive technique, 23:2301
- MITTON, Carl G. Isotope exchange and solvolysis in basic methanolysis of aryl esters, 23:24192
  - Solvent isotope effects and transition-state solvation in the basic methanolysis of esters, 23:24191
- MITTON, S. Year of the pulsars, 23:30243
- MITTON, Simon Distribution of polarized emission of Cygnus A at 6-cm, 25:52539
  - Energy production in four extragalactic radio sources, 24:51305
  - High-resolution 5-GHz map of 3C 33, 24:28050
  - High-resolution observations of Cygnus A at 2.7 and 5 GHz, 24:10344
  - Maps of six extragalactic radio sources at 5 GHz, 24:42390
- MITTRA, I. S. Cascade model analysis of interactions of 17.2 GeV mesons with heavy emulsion nuclei, 21:33617
  - Interactions of 17.2 GeV π^- with light and heavy emulsion nuclei, 21:3991
  - Interactions of 17.2 GeV π^- with light and heavy emulsion nuclei, 21:15504
- MITTRA, R. Edge condition and "intrinsic loss" in uniaxial plasma, 22:15530
  - Input impedance of electric current in anisotropic plasma, 21:14497 (N-67-10894)
  - Smith—Purcell radiation from narrow tape helix, 22:11203
- MITTRA, Raj Two-dimensional inverse scattering problem, 24:51754
- MITTSEV, M. A. Surface ionization coefficient of barium atoms on tungsten surface, 22:29245
- MITTY, Harold A. Preoperative irradiation of osteogenic sarcoma with intra-arterially injected ^{90}Y, 23:860
- MITUNOBU, S. Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
- MITUS, A. Irradiation of liver in children, 24:21309
  - Second primary neoplasms in children, 22:51938
- MITUS, Anna Hepatic lobectomy in childhood, 24:804
  - Irradiation of the liver in children: acute effects enhanced by concomitant chemotherapeutic administration, 25:18999
- MITYAEV, V. V. Correlation effect of transport phenomena in molten solutions, 25:55449
- MITYAEV, Yu. I. Advisability of operating nuclear power plants at a reduced power level before refueling, 25:60098
  - Problems of physics of reactors at the Beloyarskaya AEPS, 25:34198 (JPRS-53069, pp 74-82)
  - Some reactor physics problems encountered at the Beloyarsk atomic power plant, 25:48163
  - Starting methods and experience in operation of uranium—graphite channel type reactors with tubular fuel elements and nuclear superheating of steam, 25:34227 (JPRS-53069, pp 83-95)
- MITYAGIN, A. Yu. Elastic scattering of slow electrons by isolated atoms undergoing isotropic thermal motion, 22:41351
  - Scattering of low-energy electrons, 24:30136
- MITYAKOV, N. A. Electron concentration in ionosphere study by means of radiosignals emitted by cosmic satellites, 22:44011
  - Electron density irregularities in ionosphere according to measurements of satellite signals by differential Doppler method, 23:3365
  - Ionospheric F-region according to measurements of "Explorer-22" radio signals in auroral and middle latitudes, 23:3364
  - Measurement of the latitudinal pattern of scintillations of satellite signals, 22:48025
  - Radioemission intensity measurements at 1.68 MHz, 22:36600
  - Relation between radioemission recorded by Elektron satellites and geomagnetic activity, 24:5069
  - Results of ionosphere investigations at NIRFI for 1957—67, 22:41447
  - Results of polar ionosphere investigation by means of Explorer-22 radio signals, 22:1062
  - Type-III solar bursts recorded by Elektron-4 satellite, 24:4948
  - Variations in mean level of radio emission at 1.1 and 2.3 MHz, 25:9352
- MITYAKOVA, E. E. Electron concentration in ionosphere study by means of radiosignals emitted by cosmic satellites, 22:44011
  - Electron density irregularities in ionosphere according to measurements of satellite signals by differential Doppler method, 23:3365
  - Ionospheric F-region according to measurements of "Explorer-22" radio signals in auroral and middle latitudes, 23:3364
  - Ionospheric state according to observation results of Electron 1 and Electron 3, 21:18510
  - Measurement of the latitudinal pattern of scintillations of satellite signals, 22:48025
  - Results of polar ionosphere investigation by means of Explorer-22 radio signals, 22:1062
- MITYUKHINA, V. M. Alteration of the function of external respiration in patients with malignant tumors of the chest under the effect of radiation treatment, 25:55339
- MITYUREVA, A. A. Cross sections for formation of excited Cd ions by electron impact, 25:52668
- MITYUSHIN, V. M. Change in the ultrastructure of dog myocardium at different periods after total gamma-ray irradiation, 25:24387
  - Changes in dog myocardium following whole-body gamma irradiation, 25:32583
  - Coefficient of respiratory control and ultrastructure of the liver mitochondria of irradiated rats, 23:29370
  - Effects of cysteamine on mitochondria of rat liver, 24:7929
- MITYUSHOVA, N. M. Intensity of postradiational reduction of yeast cells on various media in the period preceding the realization of radiational injuries in the process of multiplication, 21:26700
  - Nature of irreversible component accompanying γ-ray damage of yeast, 21:9034
  - Post-irradiation recovery of yeast cells from lethal and sublethal damage simultaneously, 24:39588 (NP-tr-1897)
  - Recovery of yeast cells after irradiation, 25:11316
  - Variation in yeast cell sensitivity to ultraviolet rays, 21:442
- MITZEL, F. Measurements of neutron spectra and decay constants with fast subcritical facility SUAK, 21:35690 (ANL-7320, pp 506-22)
  - Pulsed experiments on fast subcritical installation at Karlsruhe (SUAK), 23:34926
  - Results of SEFOR experiments at zero power, 24:33266
  - Results of sefor zero power experiments, 24:29049 (GEAP-13588)
- MITZEL, John R. Antigenicity of psittacosis vaccines killed by ionizing radiation, 23:50957
- MITZLAFF, M. Microwave spectrum, structure, and dipole moment of fluorotrichlorosilane, 21:42942
- MITZLAFF, W. A. Four input multiplexer for two-dimensional gamma-ray spectrometry, 24:39346
- MITZNEGG, P. DNA and RNA in liver of mice after irradiation, 25:39934
  - Growth inhibition of fetal livers and placentas in rats through ionizing radiation, 24:34097
- MITZNEGG, Peter Inhibition of estrogen-induced radioprotection of placental nucleic acids and proteins by antiestrogen Clomiphene, 25:11104
- MIU, C. Observations concerning the effect of radioprotection on irradiated and burned animals, 21:10981
- MIURA, Akiko Mutation and recombination of bacteriophage lambda: effect of ultraviolet radiation, 25:13412
  - Radiation-sensitive mutants of E. coli. III, 23:17990
- MIURA, Ishi Relations between ratio of fibers and tensile strength in W-fiber-reinforced Al composites, 24:12398
  - Strength of tungsten-fiber-reinforced aluminum composites at high temperatures, 21:41585
- MIURA, K. 2I + 1 rule and the reaction mechanism of the ^{19}F(d,α)^{17}O reaction, 22:18144
  - Intermediate resonances in the reaction ^{24}Mg(d,p)^{25}Mg, 22:27057
  - Mechanism of reaction ^{24}Mg(d,p)^{25}Mg from 2 to 4 MeV, 23:7269
  - Nontadpole contribution to mass splitting (m/sub K/—m/sub π/), 25:30791
- MIURA, Kimio Electromagnetic mass difference and the structure of baryon and boson, 21:13691
  - Electromagnetic mass difference and SU(3) bootstrap model, 23:46653
  - Electromagnetic mass difference of K meson, 23:25556
  - Electromagnetic mass differences of π and K, 23:8782
  - Four-body semileptonic decay of hyperons and algebra of currents, 22:9570
  - Nonleptonic hyperon decay in the quark model, 22:9567
  - p—n mass difference based on Reggeized tadpole model, 23:39646
  - Soft meson approximation and the decays of tensor mesons, 22:34965
- MIURA, Kyoko Protective effect of ethanol and KI on radiolysis of indole-3-acetic acid, 25:10647
- MIURA, M. Radiation injuries of urinary tract, 23:4998
- MIURA, Makoto Depth distribution of x-rays in x-ray microanalyzer target. II, 21:41163
- MIURA, Masaji Electron spin resonance of γ-irradiated sodium polyphosphate. II, 22:4180
  - ESR study of radiolysis of monocarboxylic acids on silica gel, 22:47171
  - Formation of anion radicals on γ-irradiated silica gel, 23:40761
- MIURA, Motoi Serum proteins of atomic bomb survivors, 22:6839
  - Statistical observations on clinical examinations of atomic bomb survivors. III, 22:15046
- MIURA, Robert M. Korteweg—de Vries equation and generalizations. I, 22:52802
  - Korteweg—de Vries equation and generalizations. II, 22:52803
  - Method for solving the Korteweg—deVries equation, 22:3053
- MIURA, S. Magnetic properties of $DyAu_2$ and $DyAg_2$, 25:47664
- MIURA, T. Mockup experiments for irregular shield of the first nuclear ship of Japan, 22:30279
  - Neutron spectroscopy with a ^{3}He proportional counter, 24:2483
  - Optimum arrangement of laminated iron—water shields, 25:3174
  - Radiosensitivity of type E botulinus toxin, 24:48764
  - Resistance of aflatoxin to chemical and biological changes by gamma irradiation, 24:48422
- MIURA, Takashi Induction of gastric ulcer in rabbits by irradiation under laparotomy, 23:16400
- MIURA, Takeo Effect of ^{60}Co gamma irradiation on ^{59}Fe loss in stool, 23:2771
  - Iron-59 loss in stool in various hematological disorders, 23:20294
  - Whole body linear scanning with ^{59}Fe, 23:14239
- MIURA, Takeshi Copolymerization of ethylene with tetrafluoroethylene by gamma radiation, 24:16582
  - Gamma-ray induced copolymerization of ethylene and vinyl chloride, 23:28881
  - γ-ray induced solution copolymerization of ethylene, 24:31384
- MIURA, Teruo ELF noise-bursts and enhanced oscillations associated with solar-flare, 7/7/66, 21:15031
- MIURA, Toshio Influence of uranium on the properties of gray iron, 23:12327
- MIURA, Toshiyuki Role of O_2 and N_2 in thermorestoration of hydrated bacterial spores, 24:926
- MIURA, Y. Weld cracking and mechanical properties of 17 percent chromium steel weldment, 25:13696
- MIURA, Yasuhiro Glide and climb of prismatic dislocation half-loops in highly perfect copper crystals, 25:2050 (UCRL-19625)
- MIVIELLE, F. Interaction of ^{10}B and ^{11}B with uranium nuclei, 21:30013
- MIWA, H. High-sensitivity continuous plutonium air monitor, 22:28157
  - Whole-body counters, 22:6590
- MIWA, Hirohide Low-background β-ray spectrometer, 24:31721
  - Low-energy β-ray source, 21:10554
  - Metal thickness gage using ^{241}Am as the radiation source, 22:4491
  - New laboratory air sampler with low operational noise, 22:4329
- MIWA, Kimio Nuclear-energy industrial complexes envisaged, 25:23374
- MIWA, Takuji Radiolysis and photolysis of methanolic solutions of eosin. I, 24:36330
  - Radiolysis and photolysis of methanolic solutions of eosin. II, 24:36331
- MIX, J. B. Angular distributions of electrons inelastically scattered on atoms, 24:39872
- MIX, Michael Cary Effects of ionizing radiation on oyster, 25:42607
- MIX, P. E. High-flux operation via analog computer, 21:15782
- MIXER, R. Y. Microbial inhibition in cutting oils employing radiation: a cost analysis, 23:17694 (NYO-3883-1)
- MIXON, W. R. Experimental measurement of gamma heat in the high flux isotope reactor, 24:7219
  - Experimental measurement of gamma heat in High Flux Isotope Reactor, 25:51175

MIXTER, George Jr. Prog. rpt. on skin burns at Nagasaki, 10/12/65, 21:8842 (AD-630292)
MIYA, Kenichi Characteristics of ionospheric E/sub S/ propagation and calculation of E/sub S/ signal strength, 21:35110
MIYA, T. S. Determination of Ca retention by whole-body liquid scintillometry, 23:33587
MIYABARA, R. Sterilization of the Mediterranean fruit fly by irradiation: comparative mating effectiveness of treated pupae and adults, 25:49278
MIYABARA, Sinichi Electron microscopic histochemical study of the lysosomes in the abnormally developing embryonic heart and dermal cells in the rat, 25:16358
MIYABE, Kiyoji Boiling-like phenomena at supercritical pressures, 21:8518
MIYACHI, Machiko Radiation injury of erythocyte membrane, 23:47965
MIYACHI, T. Half life of the 2211-keV state in ^{136}Ba, 21:15578
  Magnetic dipole and electric quadrupole moments of anomalous coupling $^{7}/_{2}^{+}$ state in ^{83}Kr, 22:27000
MIYACHI, Takashi Absolute calibration of bremsstrahlung beam monitors, 25:42083
  Construction and calibration of a Faraday cup, 23:49287
MIYAGAKI, H. Real-time simulation of core performance calculation for BWR power plant, 25:18151
MIYAGAKI, Hisanori Digital computer control of HTR, 25:46298 (KURRI-TR-75, pp 34-9)
MIYAGAWA, Ichiro ESR study of an irradiated crystal of L-alanine: two new proton—deuteron exchange reactions, 24:27161
  ESR study of stereospecific proton transfer in irradiated crystals of L-alanine, 24:2219
  X-ray irradiated crystals of Cu acetate monohydrate, 25:54610
MIYAGAWA, Kazuo Application of neutron moisture-gauge in steel industry, 24:7665
  Determination of oxygen in steel by neutron activation analysis, 24:31277
  Neutron activation control of O content in Fe and steel, 23:19682
MIYAGAWA, Masayoshi Rate constants of exchange reaction of the type RI + I^{*-} reversible RI^{*} + I^{-} in acetone—water solution, 25:2177
MIYAGAWA, Soji Radiation dosimetry by thermoluminescence, 24:31741
MIYAGAWA, Tadayoshi Apparatus for continuous observation of cosmic ray intensity at a shallow underground station, 25:42152
MIYAGAWA, Tsutomu Radiolysis of methanol containing cyanogen iodide, 23:38001
MIYAGI, Masakazu Crystal structure of ω phase in Ti—Mn and Ti—Mo alloys, 22:49768
  Transmission electron microscopic observation of the transition phase omega in Ti—Mo and Ti—Mn alloys, 24:46753
MIYAGISHIMA, T. Prog. rpt. on high strain behavior of refractory alloys and coatings, final, 2/66, 21:1890 (N-66-22355)
MIYAGUCHI, Kimihide Fission product gas release due to fuel cladding failure, 24:26796
MIYAGUCHI, Masao Activation analysis of various materials related to the Yusho, 24:31278
MIYAGUCHI, Yoichiro Determination of arsenic in biological materials by activation analysis, 22:48
MIYAH, Nobuyoshi Level structure of ^{138}Cs from the short-lived fission product ^{138}Xe, 23:21339
MIYAHARA, A. Theta-pinch experiment of a very-low-density plasma, 23:32381
MIYAHARA, Akimitsu Studies on the removal of radionuclides in milk. III, 22:42823
MIYAHARA, Akira Engineering developments in QP experiments, 24:30356 (IPPJ-T-1)
  Experimental study of electrostatic ion cyclotron waves in a plasma, 21:33435
  Ion cyclotron resonance heating of QP plasma, 23:18582 (CONF-680113-(Vol.1), pp 343-78)
MIYAHARA, Koshiro Hydrogenation of ethylene on metallic catalysts. VII, 21:38938
MIYAHARA, Kuniyuki Fluxoid pinning in nonideal type-II superconductors. I, 23:44361
MIYAHARA, Sachiko Recent radiocarbon in plants, 22:40710
MIYAI, Kiyoshi Correlation between human serum and pituitary thyrotropin, 24:7705
  Radioimmunoassay for human thyrotropin, 24:31896
MIYAIRI, T. Radiation-induced solid-state polymerization, 24:13927
MIYAJI, Nobuyoshi Decay of 32.2 min ^{138}Cs to ^{138}Ba, 24:20402
  Determination of rare-earth elements in rock samples by neutron activation analysis with a lithium-drifted germanium detector after chemical group-separation, 22:25286
  Gamma rays of short-lived xenon isotopes, 23:11590
  Separation and preparation of ^{238}Pu from neutron irradiated ^{237}Np target, 21:25908
  Separation of Gd from proton-bombarded Eu, 23:9519
MIYAJI, Takaoki Hemoglobin Hiroshima (β^{143} histidine $\rightarrow$ aspartic acid), 23:50804
MIYAJIMA, Hideki Improvement of time mode Moessbauer spectrometer, 25:48979
MIYAJIMA, M. Method of measuring alpha—gamma angular correlation using cathode pulses in a gridded ionization chamber, 22:23282
MIYAJIMA, Mitsuhiro Determination of relative content of ^{235}U in enriched U by alpha—gamma coincidence method using a gridded ionization chamber, 22:30462
MIYAJIMA, Shigeki Ion collection by a cylindrical probe in a weak magnetic field, 24:12794
  Magnetostatic equilibrium, 24:26225
  Quiet-day solar wind, 23:10385
  Relativistic electron orbits in crossed fields, 23:44795
  Steady flow of charged particles across a magnetic field, 22:48079
MIYAKAWA, Kikuko Radiation disinfestation of cereal insects. II, 25:21822
MIYAKAWA, T. Population dose from medical exposures in Japan, 22:38322
MIYAKAWA, Yasuhiro Technological development in thermal and nuclear power generation in the 1970's, 25:59922
MIYAKAWA, Yukio Kinetics of isotopic exchange between 8-quinolinol-^{14}C and tris-8-quinolinolato complexes of tervalent typical elements, 22:42677
MIYAKE Nondestructive determination of sodium in surface oxide film of silicon by neutron activation analysis, 24:4243
MIYAKE, C. PMR of uranium(IV)—cupferrate, 24:5661
MIYAKE, Chie Co-ordination compounds of actinides. I, 21:45110
  Preparation of anhydrous uranium tetrachloride and measurements on its magnetic susceptibility, 25:57419
MIYAKE, Hiroshi Isotopic analysis of argon with a low background mass spectrometer, 23:33150
  Isotopic analysis of krypton with mass spectrometer, 24:36158
  Pulse counting method in mass spectrometry, 23:22130
  Radioactivity of sea water around Kobe Harbor. II, 21:41002
MIYAKE, Hirozo Data processing of nuclear experiments, 23:24484 (KURRI-TR-15)
MIYAKE, K. Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
  Plastic deformation and dislocation damping of cemented carbides, 23:41746
  Strengthening mechanism of WC—Co alloy, 23:34107
  Systematic investigation of elastic moduli of WC—Co alloys, 24:32406
  Total absorption lead glass Cherenkov counter, 22:371
MIYAKE, Kazuo Fatigue of WC-Co alloys, 23:12423
MIYAKE, Kozo Beam transport system of Kyoto Univ. Cyclotron, 23:42819
MIYAKE, M. Effect of heat flux on the atmospheric turbulence spectra over land, 22:40240 (AECL-2787, pp 399-405)
MIYAKE, Masanobu Diffusion of carbon in niobium, 22:7013
  Diffusion of carbon in tantalum, 21:13265
  Diffusion of carbon in tantalum, niobium, and vanadium, 23:22536
  Diffusion of carbon in the carbides of niobium, 25:16580
  Diffusion of carbon in the carbides of niobium, 25:22173
  Diffusion of carbon in vanadium, 23:20513
  Measurement of electron emission stream of tungsten in cesium plasma, 22:50067 (JUL-508-TP)
MIYAKE, Masashi Pathology in the early stage of the atomic bomb irradiation, 22:40819
  Pathology of early death in atomic bomb casualties in Hiroshima, 23:38745
MIYAKE, Masaya Formation process of (W,Ti)C powder, 25:35537
  Formation process of W carbide powder from W powder, 25:35536
  Formation process of WC—TiC powder, 25:35531
MIYAKE, S. Acute radiation injury of bone marrow and the early phase of its regeneration, 22:43399
  Cosmic ray angular distribution underground at 1500 hg/cm^{2} (Kolar), 22:47857
  Dynamic control of cusp loss, 25:27676
  Ion cyclotron resonance acceleration in a nonuniformly magnetized plasma, 23:18636
  Kolar Gold Field neutrino experiment, 24:15454 (CERN-69-28, pp 81-93)
  Muon intensities and angular distributions deep underground, 21:18473
  Propagation of electrostatic ion waves near ion cyclotron harmonics, 25:30612
  Status on site selection problem for Nuclear Power Station in Japan, 24:45913 (CONF-700810-27)
MIYAKE, Shin Nuclear power as the source of energy in Japan, 25:59905
MIYAKE, Shogo Nonleptonic hyperon decays in covariant Chiral U(6) x U(6) scheme, 23:39671
  Phenomenological analysis of the infinite resonance model for the nucleon electromagnetic form factor, 25:12153
  Pseudoscalar—vector scattering and the nonet scheme, 24:13063
  Simple quark model for nonleptonic hyperon decays, 22:34939
  Veneziano-type amplitude for πK scattering, 23:46670
MIYAKE, Shoji Dynamic control of a cusped plasma near the ion cyclotron frequency, 25:40590
  Ion cyclotron resonance acceleration in a nonuniform magnetic field, 24:12808
MIYAKE, T. β dosimetry with silver-activated phosphate glass, 23:7853 (CONF-680920-, pp 773-82)
  Performance of glass dosimeters and film dosimeter in personnel monitoring, 24:48329
MIYAKE, Tadashi Determination of protein-bound I in sera by neutron activation analysis, 21:32096
MIYAKE, Toshio Glass and film dosimeters, 25:6583
MIYAKE, Y. Artificial radioactivity in the sea, 21:41048
  Atmospheric ozone and radioactive fallout, 21:1465
  Direct-reading emission-spectrometric determination of trace elements in rare earth compounds, 24:41195
  Emission-spectrometric determination of trace non-rare earth elements in yttrium oxide, 25:54419
  Radiocarbon age of ocean waters, 22:48933
  Recent fallout of radioactive dust in Japan, 25:57579
  Study on plutonium fallout, 24:25142
MIYAKE, Yasuo Atmospheric ozone and radioactive fallout, 22:51102
  Deposition of Pu in Tokyo through 1966, 23:17578
  Effects and protection of radiation from atomic facilities. I, 23:43507
  Isotopic study on meteoric precipitation, 23:19866
  Oceanographic studies by means of natural and artificial radioactive isotopes and stable isotopes, 23:21833
  Plutonium content in North Pacific waters, 23:45422
  Thorium concentration and the activity ratios ^{230}Th/^{232}Th and ^{228}Th/^{232}Th in sea water in the western North Pacific, 24:48196
  U, Ra, and Th in waters in Japan, 22:2206
  Uranium content and the activity ratio ^{234}U/^{238}U in marine organisms and sea water in the western North Pacific, 24:48195
MIYAKE, Yoshizo Activation analysis of oxygen in phosphorus with fast neutron, 25:29024
  Direct reading emission spectrometric determination of trace elements in rare earth compounds, 24:24994
  Spectrographic analysis of rare earth elements. I, 23:13636
  Studies of spectrochemical analysis of rare earth elements. V, 25:2096
MIYAKI, K. Aflatoxin and its radiosensitivity, 24:50726
  Radiosensitivity of type E botulinus toxin, 24:48764
  Resistance of aflatoxin to chemical and biological changes by gamma irradiation, 24:48422
MIYAKOSHI, Jun-ichi Albedo component of gamma-ray streaming through straight cylindrical ducts, 21:44868
  Gamma-ray streaming through a straight cylindrical duct, 21:21028
  New pulse height to clock pulse converter and its application to neutron dosimetry, 24:11792
MIYAMA, Tomoyo Retention of Hg in brain of rabbit, 24:2560
MIYAMAE, T. Diagnostic values of camera and scanner scintigrams, 23:33433
MIYAMAE, Tatsuya Comparison of thyroid scintigrams between by scanner and by camera, 22:45304
MIYAMORI, S. Uranium and other trace elements in Devonian and Mississippian black shales in the central midcontinent area, 21:13292
MIYAMOTO, Goro Electron model of axially symmetric isochronous cyclotron, 22:11757
  Wall potential effects on a beam—plasma discharge, 23:23125
MIYAMOTO, Hiroki Moessbauer effect of ^{57}Fe in $Fe(OH)_2$, 22:11514
MIYAMOTO, K. Expansion of a laser-produced plasma into a vacuum, 25:19703
  Expansion of a laser-produced plasma into a vacuum, 25:25130
  Plasma flow on BSG-II device, 24:6529
  Thermalization of kinetic energy of a plasma flow, 23:14779
MIYAMOTO, Kazuya Radioinduced mandibular necrosis cases, 21:22569
MIYAMOTO, Kenro Density measurement of plasma by CO_2 laser interferometer, 22:46131
  Density measurement of plasma by CO_2 laser interferometer, 22:48085
  Dependence of plasma confinement on the properties of magnetic configuration and plasmas in JIPP stellarator, 25:38374 (CONF-710607-107)
  Experiments of plasma confinement in JIPP stellarator. I, 25:30457 (IPPJ-102)
  Magnetic and drift surfaces: current configuration of stellarator field, 25:19727
  Magnetic and drift surfaces, current configuration of stellarator field, 25:3128 (IPPJ-95)
  Magnetic surface in minimum mean field of stellarator type and drift surface of design study particles, 24:30360
  Magnetic surfaces and drift surfaces of average minimum B stellarator field. II, 24:24083
  Magnetic surfaces and drift surfaces of average min. B stellarator field, 24:28273 (IPPJ-88)
  Measurements of slow theta pinch plasma, 22:46132
  Measurements of slow theta-pinch plasma by Mach—Zehnder interferometer, 23:12767
  Negative V" wavy torodial field with helical multipole, 23:1367
  Negative V" wavy toroidal field with helical multipole. II, 23:8587
MIYAMOTO, S. Measurement of location of x-ray source Cygnus X-1, 25:47243
  Observation of a new x-ray source, 24:6306
  Readout and monitor system for a multiwire spark chamber by magnetostrictive delay line, 21:43258
MIYAMOTO, Shikao Possible observation of the skew-symmetric tensor gauge field, 25:36571
MIYAMOTO, Shuzo Protective effect of cysteine, 21:12863
MIYAMOTO, Tetsu End stabilization effect in the slow theta pinch, 22:1264 (LA-3770, Paper A7)
  End stabilization effect in the slow theta pinch, 22:7331
MIYAMOTO, Yoneji Chiral dynamics, nonleptonic decays of K mesons and derivation of $\Delta I = 1/2$ rule, 22:13817
  Electromagnetic mass difference and the structure of baryon and boson, 21:13691
  Invariance properties of propertime formulation of dual resonance model, 24:49617
  Lagrangian formulation of dual resonance model, 25:9696
  SU(3) chiral dynamics, 22:13793
  Veneziano model and propertime formulation, 24:43063
MIYAMOTO, Yoshiaki Fuel and core structure of HTGCR, 25:18144
  Hot spot factor for cylindrical cores, 24:33287
MIYAMURA, O. Modified interference model for πN scattering, 23:18907
  Partial-wave analysis of the Regge amplitudes for πN scattering, 23:18908
MIYAMURA, Osamu New determination of P and P' Regge pole parameters, 22:35002
  P and P' Regge pole parameters from inverse dispersion relations, 22:32163
  Pion—nucleon low energy parameters from dispersion relations, 23:39738
  $\pi N \rightarrow$ etaN scattering in the Veneziano model, 24:1606
  Saturation of superconvergence relations for meson—baryon scattering, 22:32153
  Saturation of superconvergence relations for pseudoscalar pseudoscalar scattering, 22:50378
MIYAMURA, R. Radiation injuries of urinary tract, 23:4998

- MIYANAGA, I. Basic principles and the role of glass dosimeters in personnel dosimetry, 22:21515
- MIYANAGA, Ichiro Energy absorption spectrum-radiation dose conversion operator. II, 21:45376
  - Energy absorption spectrum-radiation dose conversion operator. I, 22:12658
  - Energy absorption spectrum-radiation dose operator, 23:4838 (NSJ-tr-137)
  - Nuclear development in Japan, 22:46934
- MIYANAGA, Takeshi EPR and optical studies on γ-irradiated $CdCl_2$:Ag and $MgCl_2$:Ag, 21:22004
  - Optical and EPR studies on irradiated $CdCl_2$: Ag, 23:31376
- MIYANAGA, Tokuichi Determination of Sr and Cu in thermal spring water, 24:16418
- MIYANAGA, Toshihiro Transistorized circuits for the fast coincidence experiments, 23:41025
- MIYANISHI, M. Effect of Pauli principle on the collective oscillations in spherical even nuclei, 22:27315
- MIYANISHI, Michihiro Statistical observations on clinical examinations of atomic bomb survivors. III, 22:15046
- MIYANISHI, Y. Possible description of "rotation-like excitations" in Te, Xe, and Ba isotopes, 21:44719
  - Unified microscopic approach to the vibrational and rotational motion in even nuclei, 23:28349
- MIYANISHI, Yoshinao Effect of Pauli principle on collective oscillations in spherical even nuclei, 22:3736
  - Possible description of "rotation-like excitations" in Te, Xe, and Ba isotopes, 22:48577 (JAERI-1158, pp 84-9)
  - Vibrational and rotational motion in even nuclei, 23:28329
- MIYANO, K. New activity ^{53}Ti, 21:38292
- MIYANO, Katao Properties of heavy-section steel for nuclear pressure vessel. I, 22:23786
- MIYANO, Kazumasa Allowed beta transitions with anomalously large log-ft values, 22:48574 (JAERI-1158, pp 26-30)
  - Beta decay of ^{97}Y isomer, 22:11934
- MIYAO, Jiro Irradiation experiments in ORNL, 24:18734
  - Method for controlling the temperature of a sample material irradiated in a reactor, 22:47033
- MIYAO, Noboru Experimental radiation injury in mice by internal ^{90}Sr. III, 21:14602
- MIYAO, Y. Gamma rays from ^{111}Sn and ^{116}In, 21:38327
  - Gamma-rays from ^{139}Pr and ^{143}Sm, 21:17382
  - Spectroscopic studies in SCS and (SCS-1) nuclei with Ge(Li) detector, 22:1667
- MIYASAKA, Shun-ichi Albedo component of gamma-ray streaming through straight cylindrical ducts, 21:44868
  - Dose buildup factors of multi-layer slabs for a point isotropic source, 21:9642
  - Gamma-ray leakage through a junction between lead and concrete walls, 23:21543
  - Gamma-ray leakage through a junction between lead and concrete walls, 25:10296 (NSJ-tr-157)
  - Gamma-ray leakage through a slit in lead shield. I, 22:7924
  - Gamma-ray leakage through a slit in concrete shield, 23:12954
  - Gamma-ray leakage through slit in lead shield. II, 22:53398
  - Gamma-ray streaming through a straight cylindrical duct, 21:21028
  - Properties of heat resisting concrete for neutron shielding, 25:19295
- MIYASAWA, Yoich Effect of irradiation on repair of bone fractures, 21:14729
- MIYASE, H. Isobaric analog states in (γ,p) reactions on N = 50 nuclei, 25:28227
  - Isobaric analog states in (γ,p) reactions on N = 82 nuclei, 25:28362
  - Isobaric analogue resonances in photoproton reactions, 23:3967
  - Photoproton reactions through isobaric analog states in ^{88}Sr and ^{90}Zr, 24:1835
- MIYASE, Haruhisa Study of isobaric analogue state by (γ,p) reaction, 25:10053
- MIYASE H. Isobaric analog states in (γ,p) reactions on Sn isotopes, 25:28361
- MIYASHIRO, S. Multistage image intensifier gamma camera, 23:33468
- MIYASHITA, Isao Agent for treating radioactive liquid wastes, 23:13834
- MIYASHITA, K. Catheter-type semiconductor radiation detector, 24:31699
  - Field-effect enhancement of thermoluminescence, 21:26228 (CONF-660637-, pp 259-64)
  - Photo-stimulated radiation dosimetry, 22:23341
  - Thermo-voltaic radiation dosimetry, 21:14478
  - Use of diamond for photostimulated ultraviolet radiation dosimetry, 21:16796
- MIYASHITA, Kyoichi Automatic continuous measurement of the calorific value of heavy oils by neutrons, 22:30885
  - Cockcroft-Walton electron accelerator for Radiation Center of Osaka Prefecture, 25:17663
  - Continuous and automatic measurement of calorific value of heavy oil by the use of neutron, 23:47868 (NSJ-tr-152)
  - Lithium-drifted silicon p-i-n nuclear particle detectors, 22:51238
  - Measuring calorific value of petroleum, 25:18817
  - Oxide-passivated silicon p—n junction nuclear particle detectors, 21:28251
  - Research apparatus of ML-300 electron linac, 22:22506
  - Some strange characteristics of BF_3 proportional counter, 21:28250
- MIYASHITA, S. Four- and five-body final states from 6.7-GeV/c π^-p interactions, 24:28498
  - Interaction radii of strongly interacting particles, 22:26631
  - K^-p elastic scattering at 2.24 GeV/c, 21:29457
  - Measurement of $K^- + p \rightarrow K^* + N$; calculation of K^*—N cross section, 21:2376
  - Pi—rho mass spectrum in π^-—p interactions at 6.7 GeV/c; spin—parity analyses for A(1200) and A(1300), 22:39286
  - Production of baryon resonances in 6.7 GeV/c π^-p interactions, 24:26380
  - Test of the modified droplet model using the reaction $\pi^+ + d \rightarrow p + p$, 21:42394
- MIYASHITA, Shigeyuki Three-pion production processes in 6.7 GeV/c π^-p interactions, 24:18092
- MIYASUGI, Takeshi Heat transfer to fully developed turbulent flow in a circular tube with a nonsteady circumferential heat flux, 23:38170
- MIYATA, Haruo Spectrophotometric study of Th complex of 2-(1,8-Dihydroxy-3,6-disulfo-2-naphthylazo-phenoxyacetic acid, 21:35938
  - Spectrophotometric study of Th complexes of nitrophenyl-azo-chromotropic acids, 21:42926
  - Spectrophotometric study of Th complex of 2-(1,8-dihydroxy-3, 6-disulfo-2-naphthylazo)-mandelic acid, 22:8049
  - Spectrophotometric study on the thorium complex of o-carboxyphenyl-azo-chromotropic acid, 21:27902
  - Spectrophotometric study on the thorium complex of o-hydroxyphenyl-azo-chromotropic acid, 21:27903
  - Synthesis of (o-oxalophenylazo)chromotropic acid and stability constant of its Th chelate, 25:18382
- MIYATA, Hideo Absorptive part of the scattering amplitude and Feynman integral, 23:39793
  - Duality of the nonplanar tetrahedron graph, 25:9693
  - High-energy large-angle differential cross section, 23:46846
- MIYATA, Hisatoshi Biological dosimetry in atomic bomb survivors, 23:50517
  - Incidence of leukemia developing after therapeutic irradiation for cancer of breast and uterus, 23:29857
  - Statistical survey of leukemia in East Japan, 24:19372
- MIYATA, Masahiko Effects of turbulence on MHD power generator, 24:12672
- MIYATA, N. Magnetoelastic behavior of Eu oxide. II, 22:36984
- MIYATA, Takamoto Energy levels of ^{142}Nd, 25:59821
  - Level structure of ^{143}Pm and ^{142}Nd, 25:36766
- MIYATA, Teruo Effects of ultraviolet irradiation on native and telopeptide-poor collagen, 25:46739
- MIYATA, Yasunori Modified Veneziano model for πN scattering, 24:49492
  - Pseudoscalar-vector meson scattering amplitude reduced from six-point Veneziano model, 25:22792
  - Veneziano's constraints, 25:40998
- MIYATAKE, O. Effects of excited levels to Coulomb scattering, 22:27342
- MIYATAKE, Osamu Domain of total Hamiltonian in quantum field theory, 21:13726
  - Effects of excited levels on Coulomb scattering, 22:18327
- MIYATAKE, Sadao Convective beam cyclotron instability and discrete vlf emissions in the magnetosphere, 25:30357
- MIYATAKE, Yoshio eta- and K-3π decays with one current in dual theory, 25:53123
  - eta-3π decay with Susskind's model, 24:42897 (COO-264-553)
- MIYATANI, D. Effects of α-particle irradiation on reactivity of Ni for adsorption of H, 25:47149
- MIYATANI, Daisaku Application of autoradiography to study of catalytic activities of Cu—Ni catalysts, 23:8252
- MIYAUCHI, D. Development of yeast on irradiated Pacific crab meat, 21:28679
  - Irradiation of Pacific Coast fish and shellfish. VI, 22:52117
  - Irradiation of Pacific coast fish and shellfish. VII, 23:32011
  - Irradiation of Pacific Coast fish at sea, 25:55366
  - Quality indices that can be used to assess irradiated seafoods, 24:2853
  - Radiation preservation of Pacific Coast fisheries products, 22:17064
- MIYAUCHI, David Application of radiation-pasteurization processes to Pacific Coast fishery products, 23:18150 (CONF-681006-, pp 29-35)
  - Application of radiation-pasteurization processes to Pacific Coast Fishery products. Annual report, November 1, 1968—October 31, 1969, 25:6821 (TID-25545)
  - Application of radiation-pasteurization processes to Pacific coast fishery products. Final summary report, October 1961—October 1969, 25:24492 (TID-25546)
  - Irradiation of Pacific coast fish and shellfish. V, 22:49668
  - Prog. rpt. on application of radiation—pasteurization processes to Pacific crab and flounder, final, 11/65—10/66, 22:26017 (TID-23835)
  - Prog. rpt. on application of radiation-pasteurization processes to Pacific crab and flounder, annual, 11/66—10/67, 23:41517 (TID-24317)
  - Prog. rpt. on application of radiation-pasteurization processes to Pacific coast fishery products, annual, 11/1/67—10/31/68, 24:4704 (TID-25142)
- MIYAUCHI, Terukatsu Analysis of behavior of salt-metal extraction column for U—Bi fuel, 21:24093 (ORNL-tr-1665)
- MIYAUCHI, Teruo Lambda phage mutants insensitive to temperature-sensitive repressor. II, 24:46600
- MIYAWAKI, Y. Experimental studies on 20 per cent enriched U-light water assembly. III, 25:3912
  - Experimental studies on 20 percent enriched uranium—light water assembly (TITAN). II, 23:21532
  - Twenty percent enriched U—light water assembly (TITAN). I, 23:15682
- MIYAWAKI, Yoshio Experimental study on subcritical assembly with neutron source, 22:35618
- MIYAZAKI, Akira Enrichment of ^{87}Rb by countercurrent electromigration of fused Rb nitrate, 22:33532
- MIYAZAKI, Eizo Catalytic decomposition of methanol over nickel wire, 21:34266
- MIYAZAKI, Hidemoto Effect of ionizing radiation on starch. III, 24:29901
- MIYAZAKI, Hideo Cation exchange separation of zirconium and hafnium, 23:28983
  - Separation of zirconium and hafnium by liquid—liquid extraction using aliphatic ketones, 23:28989
  - Separation of Zr from Hf by liquid—liquid extraction with cyclohexanone, 23:45379
- MIYAZAKI, Hisashi An improved method for liquid scintillation counting of biological materials, 21:17593
- MIYAZAKI, Kagayaki Method for production of improved polyoxymethylenes, 21:128
- MIYAZAKI, Kazuhide Effect of impurities on the whiteness of lanthanum oxide, 23:40658
  - Use of carbon monoxide in low-temperature sintering of high-density UO_2 pellets, 22:15241
- MIYAZAKI, Keiji Measurement of the void coefficient of reactivity, 22:20925
  - Optimization of reactor control systems by Wiener's theory, 21:27737
- MIYAZAKI, Motoichi Metals in air pollution. II, 24:11489
- MIYAZAKI, Sadami Germination and growth of the orchid seeds irradiated by gamma rays, 23:20428
- MIYAZAKI, Shigeru Charged particle density measurements during IQSY, 22:5244
  - Direct observation of the ionosphere with sounding rocket K-9M-20, 22:15439
  - Electron density measurements by sounding rockets L-3-2 and 3, 21:20850
  - Ionospheric measuring probe, 23:5299
  - Ionospheric measuring probe. II, 22:52661
  - Ionospheric measuring probe. III, 22:47989
  - Probe impedance loss in the cold magnetoplasma, 23:48820
  - Radio-frequency characteristics of electrodes immersed in magnetoplasma. I, 22:52747
  - Relation between sunspot number and charged particle density in the upper ionosphere, 22:22060
- MIYAZAKI, Shigetake Cytological studies on blood and bone marrow cells with the phase contrast microscope. II, 21:14754
- MIYAZAKI, Tadakuni Apparatus for continuous observation of cosmic ray intensity at a shallow underground station, 25:42152
- MIYAZAKI, Tadashi Algebra of isovector charge density and Lorentz group, 24:1628
  - Composite particles with rotational mass levels, 22:52953
  - Composite particles with the Regge mass spectrum, 23:46809
  - Generalized Majorana and Nambu equations with antiparticles and reflection properties, 24:49580
  - Infinitely degenerate particles and mechanism of mass splitting, 25:9711
  - Representation of the isovector current-density, 23:46630
  - Two-dimensional Euclidean group and partial-wave expansion. I, 22:41830
- MIYAZAKI, Taiichi Radiotherapy of brain tumors, 25:58069
- MIYAZAKI, Tetsuo Effect of crystal size on the radiolysis of solid succinic acid, 24:44051
  - Effect of density on the fragmentation of excited ions in the radiolysis of butanes, 22:10273
  - Effect of phase on excitation transfer in the radiolysis of isobutane, 25:41864
  - Effect of phase on the radiolysis of solid isobutane as studied by electron spin resonance spectroscopy and product analysis, 25:170
  - Excitation transfer in radiolysis of solid hydrocarbons, 24:33716
  - Fragmentation of excited ions in radiolysis of hydrocarbons, 23:19799
  - Fragmentation of excited ions in the radiolysis of neopentane and isooctane in the liquid phase, 22:10274
  - Intermediates and products in the radiolysis of phenyl acetate, 24:11613
  - Intermediates in γ-irradiated methylcyclohexane and isobutane containing benzene, 25:21053
  - Photoisomerization of maleate radical anions produced in 2-methyltetrahydrofuran by γ irradiation at 77°K, 25:18457
  - Radiolysis of liquid isobutane, isopentane, and 2,3-dimethylbutane, 23:283
  - Radiolysis of methylcyclohexane. I, 23:15898
  - Radiolysis of solid isobutane, 23:40711
  - Radiolysis of solid isobutane, 23:40763
  - Reactions of t-$C_4H_9^+$ in the radiolysis of neopentane in the gas phase, 21:3089
  - Role of reaction sites in the radiolysis of solid succinic acid, 25:41865
- MIYAZAKI, Yasuichi Radiotherapy of malignant lymphomas, 25:24288
- MIYAZAKI, Yukio Electrons and gamma rays in the space under the inner radiation belts, 22:38835
  - Pitch-angle distribution of fast electrons, 25:58904
  - Super neutron monitor for ground level continuous observation, 25:383
- MIYAZAWA, Fumio Dissociation of E. coli ribosome by uv-irradiation, 24:2837
  - Effect of γ-irradiation on E. coli ribosome dissociation, 22:33993
- MIYAZAWA, H. Evidence for absence of electrons from conduction band in N—InSb at low temperatures, 21:25073
  - Finite-energy sum rule as a test of the Pomeranchuk theorem, 25:20011
- MIYAZAWA, Hironari Absorbing hard core and Regge cuts, 22:50396
  - Baryon number changing currents, 21:17153
  - Large angle diffraction scattering, 23:39731
  - Spinor currents and symmetries of baryons and mesons, 22:37184
  - Spontaneous symmetry breaking and related problems, 21:29590
  - Static pion theory and sum rules, 21:13712
  - Weak interaction as an S matrix, 25:9740

MIYAZAWA, Kiyozumi Degradation of various rubber and plastic insulated wires, and compounds in exposure to γ radiations, 24:46819
  Radiation resistance of various insulated wires and cables, 23:46155
MIYAZAWA, Masahide Foreshortening effect on the apparent area of solar flare, 22:21803
MIYAZAWA, Shintaro Congruent melting composition of lithium metatantalate, 25:55639
MIYAZAWA, T. Spark chamber type gamma camera, 24:31698
MIYAZAWA, Tatsuo Cross section for multi-phonon scattering of neutrons by crystalline polyethylene, 22:29837
  Gamma camera with a spark chamber, 23:9820
  Inelastic-scattering cross section of neutrons by crystal vibrations of polyethylene, 21:38163
  Infrared spectra and molecular vibrations of ethylene glycol and deuterated derivatives, 21:12415
  Method for injecting particles in a particle accelerator, 21:29816
MIYAZAWA, Y. Design and performance of a focusing magnetic channel for a variable energy multiparticle cyclotron, 23:3886
  Heavy ion acceleration in IPCR 160 cm cyclotron, 25:31135
  Multicharged heavy ion source for the IPCR cyclotron, 23:13155
MIYAZAWA, Yoshitoshi Acceleration of multicharged heavy ions in IPCR cyclotron, 23:21201
  Acceleration of multicharged heavy ions in 160-cm cyclotron, 24:35768
  Charge exchange of carbon and nitrogen ions in nitrogen gas, 25:14001
  Circular trimming coils mounted on magnet pole faces, 23:52081
  Pumping system of the IPCR 160 cm cyclotron, 24:13226
MIYAZIMA, Shoichi Radiation-induced copolymerization of propylene and sulfur dioxide, 21:17682
MIYAZIMA, Tatsuoki High-energy deuteron production and nuclear correlation, 25:46122
MIYAZONO, S. Crack propagation in overlaid nozzles of a nuclear reactor, 24:26700
MIYAZONO, Shohachiro Expansion joints in piping systems of nuclear reactors, 21:30593 (JAERI-1130)
  Fixation of photoelastic fringe patterns by gamma rays, 21:26071
  Fixation of photoelastic fringe patterns by γ rays, 23:6765
  Fixation of photoelastic-fringe patterns by γ-ray. IV, 23:43482
  Freezing of photoelasticity fringes by gamma-ray irradiation. I, 22:21107
  Some applications of fixation of photoelastic-fringe patterns by gamma rays for stress analysis, 25:348
  Thermal stresses in annular disks, 25:34799
MIYAZUAKI, Tetsuo Electron capture by solutes in γ-irradiated 2-methyltetrahydrofuran glass, 23:15916
MIYOSHI, Akiyoshi Investigation of cracks around the Vickers indentation in cemented carbides, 22:19634
  Vickers hardness indentation in cemented carbides, 23:8264
MIYOSHI, D. S. Helium cooled radio frequency preamplifier for use in NMR, 23:4857
MIYOSHI, Hiroshi Mechanism of an incomplete antibody formation, 23:29401
MIYOSHI, Katsuhiko Development of analytical instruments using radiation, 22:4514
  Device for generating neutrons, 23:42809
  Neutron irradiation device, 21:28141
  Particle accelerating device, 22:9755
  Particle accelerating tube, 21:11910
  Particle accelerator, 21:11907
  Pulsed neutron source for thermal reactor physics, 22:22538
  Shield for a particle accelerator, 21:11909
MIYOSHI, Masahiko Feature establishment of fuel cycle in Japan. II, 24:31073
MIYOSHI, S. Microfractographic and x-ray analyses of piping failure in fatigue, 24:25238
MIYOSHI, Shigeru Influence of defects in 80 mm thickness steel plates for weld quality, 25:19202
  Welding performed for the D_2O Critical Assembly. II, 24:42087
  Welding performed for the D_2O Critical Assembly. I, 24:42088
MIYOSHI, Shoji Emergency hazard protection and concerned education and training, 23:20236
MIYOSHI, Syoichi Application of carbon dioxide laser interferometer to measurement of plasma electron density, 23:18609
  Density distribution and particle diffusion in an energetic arc in a magnetic field, 21:37459
  Determination of electron density in magnetoplasma with electrostatic probe, 21:29206
  Electron beam collector with ionization cavity, 24:10559
  Measurement of plasma electron density with CO_2 laser interferometer, 23:1393
MIYOSHI, Yasunori Plasma expansion in uniform field and shock formation, 22:41578
MIZEJEWSKI, Gerald Choriocarcinoma scanning using radiolabeled antibody to chorionic gonadotrophin, 25:21759
MIZER, D. Aging response of a Mg—8.7 percent Y alloy, 25:35487
MIZERA, B. Study of various methods of determining temperature of plasma in MHD duct, 23:34308 (AD-683133)
MIZERA, Barbara Methods of determining temperature of plasma in MHD duct, 23:46339
MIZERA, E. Properties of stainless steel 1H18N9T after aging in the power reactor temperature ranges. II, 25:35336 (INR-1255)
MIZERA, P. F. Investigation of small angle j dependence of (α,t) reactions on ^{64}Ni and ^{28}Si, 21:46708
  Polar ionosphere: measured ion density enhancements and soft electron precipitation, 25:55964
  Reactions (α,Li) on ^{11}B, ^{15}N, and ^{19}F, 22:37296
MIZERA, Paul F. Precipitating protons in range 2.5 keV to 200 keV, 25:47395
MIZERA, Paul Francis Investigation of two and three nucleon clustering in ^{11}B, ^{15}N, and ^{19}F using (α,Li) reactions at an incident energy of 42 MeV, 22:18157
MIZERACZYK, J. Gas amplification in proportional counters with argon and nitrogen, 21:10664
MIZIA, I. Energies spread of Gaussian distributed beam in nuclear scattering experiments, 25:10086
MIZNER, Ch. V. Singularity-free empty Universe, 22:43752
MIZOBUCHI, A. Electric quadrupole moment of the short-lived beta-emitter ^{12}B, 24:35820
MIZOBUCHI, Akira Quadrupole effects in NMR spectra on ^{11}B and ^{14}N, 25:27923
MIZOGUCHI, Fujio Radioisotope clearance in injuries of central nerve and vessels, 23:45629
MIZOGUCHI, Masaru Studies on radiation renal damages. I, 21:36735
MIZOGUCHI, T. Gas recoil neutron spectrometer with electronic collimation by rise-time discrimination, 25:18749
MIZOGUCHI, Tadanori Electronic collimation in proportional counter by rise time discrimination, 25:6553
MIZOHATA, Akira Activation analysis of airborne dust, 25:31854
  Activation analysis of polluted river water, 25:31852
MIZON, L. G. Depigmentation of hair after doses of roentgen rays, 25:21886
  Radiation-conditioned aversion in rats, 22:23605
MIZOO, N. Correlation of integral data and cross sections in intermediate energy cores, 24:22388
MIZOO, Nobutatsu Curtailment of neutron slowing down interval in multigroup calculation, 22:35699
MIZOUCHI, Masayoshi Effective-range theory based on N—S—B equation, 23:13112
  Method for solving the Nambu—Salpeter—Bethe equation, 21:27384
MIZUGAKI, Hiroshi Studies on nutritional management in operation. II, 24:7950
  Studies on nutritional management in operation. I, 25:11268
MIZUHARA, Takeshi Magnetic properties of Y/sub 1-x/Sm/sub x/Co_5 compounds, 25:14461
MIZUHIRA, Vinci Biosynthesis of testosteron in the testicular interstitial cells of a rat, 24:31849
  Electron microscopic autoradiography in biological use in Japan, 24:31789
MIZUHO, M. Angle information with a gridded ionization chamber and its applications, 25:10837
  Fast neutron spectrometer, 25:13232
  Gas recoil fast neutron spectrometer, 24:4470
  Gas recoil neutron spectrometer with electronic collimation by rise-time discrimination, 25:18749
MIZUHO, Mitsuru Angular information in a gridded chamber and its application, 24:50565
  Counting channel for use with gas flow proportional counter, 25:42052 (JAERI-13725)
  Counting system for use with gas flow proportional counter, 25:23803
  Electronic collimation in proportional counter by rise time discrimination, 25:6553
  Electronic collimation with fast coincidence technique in proportional counters, 24:36575
  Giles' gas recoil neutron spectrometer, 25:37640
MIZUIKE, Atsushi Determination of gold in high-purity cadmium by neutron activation analysis, 22:33227
  Preparation of samples for beta activity measurements, 24:33638
MIZUKAMI, Koichi Backscattering of gamma rays from polyethylene, aluminum, and lead slabs, 22:17719
  Transient boiling burn-out. II, 23:19478
MIZUKAMI, Tadahisa Effect of inosine on radiation damage, 23:50643
MIZUKAMI, Takahisa Studies on pancreatic scanning by means of ^{75}Se-selenomethionine, 21:32716
MIZUKOSHI, Makoto Metal thickness gage using ^{241}Am as the radiation source, 22:4491
MIZUKOSHI, T. Economy of radioactive gauges, 23:14068
MIZUKOSHI, Tsutomu Ash content meter using radiation, 23:20035
  Ash content meter using radiation, 24:31750
  Low-background β-ray spectrometer, 24:31721
MIZUMA, Mitsuo Biological shielding test of KUR, 23:47273
  Observations of wind profile at Research Reactor Inst., Kyoto Univ, 25:21206
MIZUMACHI, Kunihiko Infrared spectra of pentacyanonitrosylmanganese (^{14}NO and ^{15}NO) complexes, 25:41796
MIZUMACHI, Yoshihiko X-band electron linear accelerator, 21:42494
MIZUMOTO, M. ^{208}Pb(γ,n)^{207}Pb reaction near threshold, 25:59778 (JAERI-Memo-4520)
MIZUMOTO, Yoshihiko Gaseous electro-deposition of decay products of thorium, 23:333
  Radiation hazard control system, 25:42480
MIZUN, Yu. G. Cosmic-ray intensity and state of F-region and geomagnetic field, 23:46323
  Equatorial anomaly of f_0F2, 22:24118
  Ionization drift in the auroral zone F-region during magnetic disturbances, 23:3353
  Spread-F and magnetic activity, 22:34464
  Vertical ionization drift in F region of ionosphere, 21:39922
MIZUNO, Denichi Cellular proliferation after administration of endotoxin, 23:38389
MIZUNO, Isamu Coercive fields of Rochelle salt heavily irradiated with γ rays, 25:45577
MIZUNO, Isao Engineering developments in QP experiments, 24:30356 (IPPJ-T-1)
MIZUNO, Junya Role of electronic resonance states in heavy particle atomic collisions, 25:27462
  Theoretical investigation of complex potentials for atomic collisions. I, 24:3192
  Theoretical investigation of complex potentials for atomic collisions. II, 25:52679
MIZUNO, K. Cherenkov and cyclotron excitation of Bernstein waves with electron beams, 25:56241
  Parametric excitation of cyclotron harmonic waves in plasmas, 23:18714
  Radiation-induced instability and suppression of Bernstein waves in beam—plasma system, 25:22514
MIZUNO, Katsuhiro Parametric excitation of Bernstein waves in plasmas, 25:11934
  Reactor control mechanism, 22:14278
MIZUNO, Kenichi Charged particle trajectory and potential distribution in a flat disk type acceleration tube and Einzel lens. I, 23:30861
  Charged particles trajectory and potential distribution in a flat disk type acceleration tube and Einzel lens. II, 23:37062
MIZUNO, Masao Heating curves and melting point measurements with a solar furnace, 23:46128
  Liquidus curve measurements in the ZrO_2—MgO system, 23:1049
  Liquidus curve of ZrO_2—Y_2O_3 system measured by solar furnace, 25:4869
  Phase changes in ZrO_2—TiO_2 system, 23:16543
MIZUNO, Masayoshi Active bone marrow distribution in the adult, 21:10907
MIZUNO, Mitsuhiko Abnormal stopping power of proton and ion channeling, 25:59129
MIZUNO, Nobuko Molecular weight of Na, K-ATPase approximated by radiation inactivation method, 22:33767
MIZUNO, Nobuko S. Colloidal Th dioxide (Thorotrast) in radiology with emphasis on hepatic cancerogenesis, 21:20355
MIZUNO, Osamu Effect of super-soft x-ray irradiation on haemogram of rabbit, 21:43507
MIZUNO, Shigeki Counting of ^{32}P-labeled RNA utilizing Cherenkov radiation, 23:11800
MIZUNO, Tomomi Analysis of Zircaloy, 25:26171
  Determination of boron and Cd in Zircaloy-2. VI, 23:72
  Spectrochemical analysis of zirconium and its alloys. IV, 22:4006
  Spectrographic determination of alloying elements in Zircaloy-2. IV, 21:32133
  Spectrographic determination of impurities in Zy-2, 24:11434
MIZUNO, Yukiko Decay of 32.2 min ^{138}Cs to ^{138}Ba, 24:20402
  Level structure of ^{138}Cs from the short-lived fission product ^{138}Xe, 23:21339
MIZUNO, Yukio Theory of x-ray Raman scattering, 21:16998
MIZUOCHI, Masashi Tokai reactor commissioning test. III, 21:10144
MIZUSAKI, T. Normal-state specific heat of niobium—tantalum alloys, 23:32278
  Superconductivity in niobium and niobium-rich niobium—tantalum alloys, 22:29429
MIZUSAKI, Takao Fluctuation in superconducting lead thin films above the transition temperature, 25:52758
  Superconductivity in niobium and niobium—tantalum alloys, 23:25270
MIZUSAWA, Kenichi Electron irradiation device, 23:29048
MIZUSAWA, Takashi Producing a sintered body of spherical UO_2 grains, 23:27160
MIZUSHIMA, Masataka Electronic structure of Ar_{13}^+ ion cluster, 24:40078 (IFA-FT-82)
  Lifetime of first excited atomic states of ^{87}Rb, 22:5073
  Quantum mechanics of atomic spectra and atomic structure, 25:40396
MIZUSHIMA, Sanchi Electron spin resonance in graphite damaged heavily in reactor, 22:28965
MIZUSHIMA, Yoshihiko Stress effect of gold-doped and gamma-irradiated Schottky-barrier diodes, 23:22149
MIZUSHINA, Tomoyuki Density meter and moisture meter for control of road construction, 23:17813
  Facilities for accelerators for medical use, 25:56607
  Quality control of concrete using a neutron moisture gauge, 25:52493
  Quality control of concrete using neutron moisture gauge, 24:32525
  Report on engineering of buildings for electron linac of Tohoku Univ, 25:53437
MIZUTA, H. Comparative analysis of some graphite and water moderated reactor lattices, 21:30250 (BNL-11353)
  Effect of fuel cladding on the resonance integral in lattices, 22:42401
  Effect of resonance overlap on ^{238}U capture in reactor lattices, 22:33009
  Geometrical effects on ^{238}U resonance integral for various systems, 24:13634
  Measurement of Dancoff correction, 23:19553
MIZUTA, Hiroshi Accuracy of approximations used in resonance integral calculation, 24:33553
  Few group diffusion calculations of a light water moderated lattice, 21:2879
  Reflection and transmission problems of gamma rays. II, 21:9645
  Resonance absorption near Na resonance at 2.85 keV, 25:45882
  Resonance integrals of ^{235}U, ^{238}U, ^{239}Pu, and ^{240}Pu, 23:28318
  RICM: IBM-7090 code of resonance integral calculation for multi-region lattice, 21:46642 (JAERI-1134)
  RICM2: code for solving slowing downs of neutrons over many resonance levels in two-region lattices, 23:13180 (JAERI-1170)
MIZUTA, M. Steel irradiation capsule and rig, 21:20537 (CONF-660511-, pp 1.4.1-9)

MIZUTANI, Akira Oblique hydromagnetic waves in a cold plasma, 23:32533
MIZUTANI, Hiroshi Radiotherapy of brain tumors, 22:31192
MIZUTANI, J. Studies on γ-radiolysis of sulphur-containing amino acids. II, 25:26294
MIZUTANI, Junya Irradiation flavor and the volatile components of beef, 22:8672
MIZUTANI, Kohei Horizontal air shower and anomalous muon interaction, 24:26029 (INSJ-114)
MIZUTANI, T. Effects of last dynode capacity in space charge saturation type pulse shape discriminator, 21:8652
MIZUTANI, Taketoshi Iso-dose distribution controlled by deflection magnet current in electron beam therapy, 21:41406
MIZUTANI, Tetsuro Equation of state of neutron star matter and neutron star models, 25:55715
MIZUTANI, Y. Oxygen isotopic composition of sulfates. II, 22:14466
  Oxygen isotopic composition of sulfates. V, 23:37880
  Oxygen isotopic composition of sulfates. IV, 23:38071
  Oxygen isotopic composition of sulfates. III, 23:38069
MIZUTANI, Yasumasa Isothermal annealing of the quenched Ni$_3$Mo alloy. I, 24:32445
MIZUUCHI, Akira Processing of water and radioactive wastes in an atomic power plant, 25:21152
MIZZAN, E. Multi-cycle irradiation of hollow UO$_2$ pellets in collapsible Zircaloy-2 sheathing, 25:11530 (AECL-3732)
MIZZI, C. Cause of a type of magnetic variation on quiet days, 25:27602
MIZZI, E. Refueling experience on the Chinon power reactors, 24:52938
MJASSOEDOV, B. Possible existence of divalent americium in acetonitrile medium, 23:47450
MJOLSNESS, R. C. Bremsstrahlung emission from low-energy electrons on atoms, 21:16824
  Contribution of inverse neutral bremsstrahlung to the absorption coefficient of heated air, 21:26996
  Electron distribution function in a plasma with excitation collisions, 21:40025
  Evaluation of electron—atom bremsstrahlung from elastic scattering, 24:1281
  Finite-density nonhomogeneous newtonian cosmologies, 24:15116
  Multiple solutions of Hartree—Fock equations, 23:10435
MJOLSNESS, Raymond C. Rotational excitation of O$_2$ by slow electrons, 21:22969 (LA-DC-7484)
  Vlasov equation for Newtonian cosmologies, 23:14591
MKHEIDZE, Demuri M. Tumor-induced skin heterogenization. III. Immunologic and immunogenetic mechanisms, 25:13388
MKHEIDZE, G. P. Acceleration of ions in electron beams, 22:7159
MKHITARYAN, A. M. Theory of strong discontinuities in electrohydrodynamics, 25:40441
  Turbulent flow of charged dielectric liquid of one polarity, 23:14675
MKHITARYAN, V. G. Effect of uv irradiated and unirradiated chloroprene on the process of oxidation of iron, 21:45507
MKRICHYAN, K. G. Projector for photograph survey and measurements, 21:19925
MKRTCHYA, S. A. Influence of various dose x-irradiation on the dilute sperm conserved at low temperature, 23:31956
MKRTCHYAN, G. G. Search for new type of radioactivity in aluminum and tungsten targets irradiated by 70-GeV protons, 25:14541 (JINR-P1-5399)
MKRTCHYAN, G. S. Interaction between a cavity and vortex in a type ii superconductor, 25:56091
MKRTCHYAN, M. M. Radiation of a particle in a strong magnetic field at low energy levels, 25:12059
MKRTCHYAN, R. A. Thermoradiation effects on certain properties of chloroprene rubbers, 25:48552
MKRTUMYAN, K. L. Prospective use of radiation to control hollyhock seed moth (Lepidoptera, Gelechiidae), 22:52122
  Radiation control of hollyhock seed moth (Lepidoptera, Gelechiidae), 22:17070
MKRTUMYAN, N. M. Induced mutations in actinophages, 22:49295
MLADENOV, G. M. Plasma effects in the interaction of intense electron beams with matter, 25:36157
MLADENOVA, Y. Assimilation and distribution of radioactive phosphorus in plants of inbred maize lines and in their hybrids, 22:45453
MLADENOVIC, M. K/L$_1$, M/L, and (N + O + ...)/M ratios for 239-keV M1 transition in ^{212}Bi, 23:23736
MLADENOVIC, Z. Immunological potentiality of irradiated E. granulosus forms, 23:38513
  Protecting chickens from cecal coccidiosis with irradiated oocysts, 21:11149
MLADJENOVIC, M. Conversion electron measurements in decay of ^{156}Tb, 25:20472
  Gamma ray spectrum and gamma ray constant of ^{182}Ta, 25:48099
  Internal conversion K/L$_1$ and K/L ratios for E2 transition, 22:53187
  Internal conversion M/L and (N+O)/M ratios for E2 transitions, 22:7730
  Specific gamma-ray constant and gamma spectrum of ^{192}Ir, 25:20424
  Specific γ ray constant and γ spectrum of ^{182}Ta, 25:34815
MLADJENOVIC, M. M. L and M subshell ratios of 43.5-keV E2 transition in ^{234}U, 23:19297
MLADY, Z. Optimization of parameters of an atomic power plant with a prescribed net output, 23:26020 (ZJE-33)
MLADY, Zdenek Optimalization of parameters of an atomic power plant with prescribed net output, 22:1825
MLAVSKY, A. I. Deposition of SiC onto quartz filaments, 22:7043
MLCKOVSKY, Miloslav Kit assembling system of a radioisotope instrument with pulse scanners utilized for industrial measurement and control, 21:41287
MLEKODAJ, R. L. Anomalies in distorted-wave Born-approximation analysis of ^{140}Ce(d,p)^{141}Ce, 25:28429
MLENIK, M. P. Structure of polyvinylidenefluoride obtained by radiation and chemical polymerization, 21:5935
MLIKOVSKY, J. Primary circuit piping system of Czechoslovak nuclear power station A-1, 24:28868
MLINKO, S. Determination of ^{35}S in organic compounds by gas counting at H sulfide, 21:32124
  Production of CO$_2$ counter gas for analysis of ^{14}C-labeled organic compounds, 21:36070
  Sulphur determination in organic compounds by radioreagent method, 24:2145
  Use of micromethods in organic isotope gas analysis, 25:15520
MLINKO, Sandor Microanalytical methods for measurement in gaseous phase of radioactivity of organic compounds labelled with soft β emitters, 23:38021
MLYNARIK, J. Construction of an experimental loop, 23:26094
  Construction of an experimental loop, 24:19133
MLYNEK, R. Slope change in temperature dependence of electrical resistivity of thulium near 22 K, 25:43487
MNATSAKANOV, T. T. Possibility of superfluidity in semimetals during the dielectric transition, 23:5339
MNATSAKANYAN, A. Kh. Electron energy balance in a plasma with molecular impurities, 25:45485
  Ionization relaxation behind shock waves in air, 22:41611
  Ionization relaxation for strong shock waves in gases, 25:45490
  Relaxation and nonequilibrium radiation behind shock waves in air, 25:37232 (SC-T-713030)
MNATSAKANYAN, B. G. Influence of fertilizers on the distribution of stable and radioactive ^{54}Mn in alpine field plants, 23:47938
MNATSAKANYAN, K. A. Reasons for the variation of the quantity of glycogen in hepatic tissues in irradiated animals, 22:40558
MNATSAKANYAN, M. A. Approximate computation of superdense configurations, 22:43803
  Generalized Newtonian theory of gravitation, 23:32124
  Models of static configurations, 25:9008
  Neutron configurations in the generalized Newtonian theory of gravitation, 24:46854
  Polytropic models in the nonrelativistic generalized theory of gravitation, 25:2833
  Relativistic generalized theory of gravitation. I, 25:2870
MNATSAKANYAN, N. A. Radiation sickness induced by ionizing radiation, 22:36388
MNATSAKANYAN, R. G. Faint blue stars in the region α = 17/sup h/18/sup m/, delta = + 43°30' (1950), 22:43701
  On two blue galaxies, 22:43717
MO, J. N. Angular correlation studies in ^{46}Ti, 22:9821
  Angular correlation studies in ^{50}Cr, 22:27035
  Decay of ^{57}Co, 23:19228
  Level structure of ^{55}Co, ^{51}V, and ^{49}V, 24:38171
  Levels of ^{75}Se from the decay of ^{75}Br, 24:6871
  Study of ^{61}Cu nucleus by ^{58}Ni(α,pγ)^{61}Cu reaction, 25:43839
MO, L. W. Inelastic electron—proton scattering, 24:24217
  Observed behavior of highly inelastic e—p scattering, 23:51837
  Radiative corrections to elastic and inelastic ep and μp scattering, 23:15039
  Test of time-reversal invariance in electromagnetic interactions, 24:52161
MO, T. Energy levels of ^{27}Al, 25:5613
  Fission of ^{235}U by thermal neutrons, 21:12037
  I-spin analogue states in A = 10 triad, 24:43174
  Interpretation of the i-spin analogue states in A = 10 triad, 24:43173
  Significance of symmetric fission in fallout studies from May 1966 Chinese nuclear explosion, 22:16720
MO, T. C. New equation of motion for classical charged particles, 25:40853
MO, Tin Symmetric fission of ^{232}Th by 14-MeV neutrons, 22:20598
  Uranium content of Caribbean cores P6304-8 and P6304-9, 25:20953
MO, Tsan Boron-10 levels from elastic scattering of protons by ^{9}Be, 24:15806
MO, Tse Chin Electromagnetic field and wave propagation in gravitation, 25:31011
  Electromagnetic field and wave propagation in gravitation, 25:47965 (AD-718145)
MO, Y. K. Electrophilic reactions at single bonds. III, 25:26226
MOAK, C. D. Charge states of 60-MeV iodine ions channeled in Au, 25:5164
  Charge-state distributions of Br and I ions emerging from solids and gases in energy range 20 to 150 MeV, 23:16642
  Differential-stopping-power functions of fast ions channeled in Au, 23:27689
  Differentiation in L-subshell vacancy production in iodine ions by atomic collisions at 15 to 60 MeV, 25:52603
  Electron capture and loss cross sections of fast bromine ions in gases, 24:37255
  Energy dependence of channelled ion energy loss spectra, 24:42520
  Energy-loss spectra of channeled iodine and oxygen ions in gold, 25:43454
  Equilibrium charge states of Br and I ions in solids and gases at 10 to 180 MeV, 23:10461
  Evidence of shell effects and the approach to equilibrium in the charge-state distributions for 15 to 160 MeV ^{79}Br and ^{127}I ions in C, 21:9317
  Fluctuations in angular distributions of ^{12}C(^{16}O,α)^{24}Mg, 21:46678
  Identification of very heavy cosmic-ray tracks in meteorites, 22:17218
  Periodic intensity fluctuations of Balmer lines from single-foil excited fast hydrogen atoms, 23:41938
  Reactions ^{63} ^{65}Cu(^{3}He,d)^{64} ^{66}Zn, 22:1640
  Stopping powers for iodine ions at energies up to 200 MeV, 21:37545
MOAK, D. P. Compatibility of mixed nitrides with LMFBR claddings, 24:6287
  Compressive creep of uranium carbide, 22:49823
  Hot hardness of selected borides, oxides, and carbides to 1900°C, 21:32989
  Literature survey on dilute uranium alloys for Sandia booster concept to Sandia Corporation, 24:48813 (BMI-X-10264)
  Nitride fuel: cladding compatibility, 22:32816
  Nitride fuel-cladding compatibility, 23:4230
  Reactions of graphite with W and W—25 w/o Re, 23:48479
MOAK, Donald P. Compatibility of nitride reactor fuels with austenitic stainless steels, 25:22149 (BMI-1895)
  Compatibility of uranium nitride with potential cladding metals, 21:8144
  Hot-hardness measurements of ThO$_2$—UO$_2$ fuel pellets (LWBR—LSBR development program), 22:8818 (BMI-X-447)
MOAL, J. Y. Quantometer for determination of trace elements in natural materials, 25:10451
MOALEM, A. Reaction ^{92}Mo(p,t)^{90}Mo at 40 MeV, 25:25787
MOAT, A. Semi-conductor detectors for use in the current mode, 23:22039
  Semiconductor detectors for use in the current mode, 22:47320 (LA-DC-9709)
MOATES, Thomas H. Approximate method, involving successive scatters, for calculation of photon transport in thin slab geometries, 22:31893
MOATTI, P. Energy resolution of scintillation counters, 21:6220
MOAURO, A. Determination of ^{54}Mn and Fe in long irradiated steel samples, 22:4001 (RT/CHI-(67)16)
  Determination of elements in natural water by neutron-activation analysis, 25:37320 (RT/CHI-(70)33)
  Determination of I release in urine, 23:35052
  Quantitative nondestructive determination by means of activation with thermal neutrons of manganese, potassium, and sodium in genotypes of PISUM and their preliminary statistical differentiation on basis of results obtained, 23:26195 (RT/CHI-(69)1)
  Rare earths determination in uranium matrices by neutron activation analysis, 24:36183 (RT/CHI-(70)13)
MOAV, Neomi Precursor cells in density fractions of lymph node cells: relation to antibody-producing cells, 25:16052
MOAZED, C. Nickel-62 levels and the decay of ^{62}Cu, 24:40589
  Properties of close doublets in ^{60}Ni, 24:43236
MOAZED, Cyrus Angular correlations for reaction ^{9}Be(^{3}He,α)^{8}Be(16.92) $\rightharpoonup$ α + α, 22:20488
  Electromagnetic transition rates in ^{60}Ni, 25:45987
  Experimental and theoretical investigation of the reaction ^{208}Pb(p,t)^{206}Pb at 40 MeV, 22:30002
  Study of ^{50}Sc via the ^{48}Ca(α,d) reaction, 24:10967
  Test of the shell model for ^{206}Pb, 25:12574
MOAZED, Cyrus George Energy and angular correlations for ^{9}Be(^{3}He,3α) reaction, 21:42571
MOAZED, K. L. Field-ion microscopy study of W—3 At. percent Re alloy, 22:13006
  Observed streaking field-ion microscopy images of W—10 at percent Re, 24:32447
MOBERG, A. Radiotherapy of intracerebral astrocytomas, 25:42701
MOBERLY, J. W. Compacting and pressureless sintering of beryllium powders, 23:27014
  Liquid sodium interaction with 304 stainless steel, 23:12308
MOBERLY, John W. Fabricating isotropic beryllium, 24:19399
  Interaction of liquid Na with 304 stainless steel, 22:42397 (TID-24602)
MOBERLY, John William Effect of nonmetallic dispersions of Be, 23:22533
MOBLEY, R. Design of the 200-GeV slow extracted beam at NAL, 23:27995
  Nevis synchrocyclotron improvement program, 21:38092
MOBLEY, R. M. Design of 500 GeV slow extracted beam and proton beam lines, 25:50530
  Determination of muonium hyperfine structure interval through measurements at low magnetic fields, 23:14641
  Muonium chemistry. II, 22:5136
MOBLEY, Ralph C. Apparatus for providing short bunches of charged molecular, atomic, or nuclear particles, 25:1681
MOBLEY, Richard External proton beam, 24:52259 (TID-25473(Vol.1), pp 1-2)
MOBLEY, Richard M. Calculation of depolarization of initially polarized beam in Los Alamos linac, 23:19053 (BNL-50120(Pt.1), pp 430-2)
  Comments on areas for experiments with the primary extracted proton beam, 24:52262 (TID-25473(Vol.1), pp 13-17)
MOBLEY, Richard Morris Interactions of muonium with atoms and molecules, 22:5141
MOBLEY, T. S. Lethality in sheep following exposure to ^{60}Co, 25:29656
MOBLEY, Thomas S. Cobalt-60 gamma irradiation of sheep, 23:41431 (AD-844294)
  Exposure of sheep to millisecond versus microsecond fission radiation, 22:49472 (CONF-680410-, pp 6.1-14)
  Interlaboratory comparison of mortality in sheep exposed to ^{60}Co gamma radiation, 24:51025 (AD-698753)
  Prog. rpt. on LD-50/60 in sheep following 250-kvp x irradiation, 8/61—5/63, 21:8905 (AD-631189)

- MOBSBY, E. G. H. Measurement of high temperatures, 24:39624 (DP-Report-84)
  - Pulsed ultrasonic thermometer. project dragon, 25:4388 (DP-Report-498)
  - Resonant probe ultrasonic thermometer, 25:4389 (DP-Report-590)
- MOCANU, C. I. Electric conduction through plasma, 24:15323
- MOCANU, R. Gravimetric determination of Zr, 23:31
- MOCARELLI, Paolo Effect of x irradiation on liver regeneration, 21:12969
- MOCCALDI, A. Contamination of air resulting from the resuspension of surface contamination, 25:32413
  - Contamination sampling in working areas, 25:24181
  - Derived operating limits of surface contamination, 25:37825 (RT/PROT-(71)7)
- MOCCIA, A. Evaluation of problems relative to a flowsheet for the reprocessing of future power reactor fuel, 25:32045 (RT/CHI-(71)3)
  - Scale representation of banks of liquid—liquid extraction processes, 25:32044 (RT/CHI-(70)46)
  - Studies on clarification and coalescences time of colloidal ANN—HNO_3—Hg^{+2} solutions, 23:26317 (AEC-tr-7045)
  - Unirradiated MTR fuel elements dissolution in semicontinuous flooded dissolvers for acid and acid-deficient final conditions, 22:4234 (RT/CHI-(67)8)
- MOCHALKIN, A. I. Electron paramagnetic resonance spectra of some irradiated amino acids, 21:32212
  - Energetic yield by radioluminescence of tryptophan, 21:10753
  - High-temperature changes of EPR spectra of γ-irradiated amino acids, 22:28365
  - High-temperature recombination luminescence of γ-irradiated amino acids, 22:28299
  - Influence of high-frequency gaseous discharge on forming free radicals in aminoacids, 21:4762
- MOCHALKIN, N. N. Coherent radiation from cadmium sulfide single crystals excited by an electron beam, 21:31210
- MOCHALOV, B. V. Mechanical properties of alloy VN-2, 23:51047
- MOCHALOV, G. A. Abnormal increase of grains and formation of monocrystals during annealing of hydroextruded molybdenum, 24:14784
  - Deformation texture and the recrystallization of monocrystals of molybdenum, 24:8143
  - Linear expansion at up to 1100°C and density of some alloys and compounds of U, 23:41732
  - Mechanical properties of hydro-extruded molybdenum following annealing, 22:28797
  - Mechanical properties of molybdenum after hydroextrusion, 22:34054
  - Molybdenum mechanical properties after hydrostatic extrusion, 22:49725
  - Properties of extruded Mo, 25:2697
  - Properties of hydroextruded Mo, 25:2698
  - Recrystallization of extruded Mo, 25:2747
  - Structural peculiarities of polycrystalline molybdenum hardening during extrusion, 25:58277
- MOCHALOVA, I. N. Influence of local irradiation of the heart region with hard bremsstrahlung with maximum energy 4.3-MeV on the enzyme activity of proteins of rabbit cardiac muscle and blood serum, 24:9761
- MOCHAN, I. V. Investigation of films of variable composition of Mg—Sb system, 25:10345 (BNL-tr-387)
- MOCHEL, J. Third-sound resonance and thermal resistance in unsaturated helium films, 25:25010
  - Third-sound resonance, 24:49091
- MOCHEL, J. M. Heat flow in a superconductor in the vortex state, 21:9489
  - Size dependence of the thermal conductivity of He I near the lambda point, 22:52714
- MOCHEL, Jack McKinney Quantized vortices in thin superconductors, 21:18609
- MOCHESHINIKOV, N. I. Effect of an internal target on the dynamics of the beam in a storage ring, 25:41142 (UCRL-Trans-1436)
- MOCHESHNIKOV, N. I. Investigation into the effects of current pulse shortening in multisection linear accelerators, 21:46620 (SLAC-Trans-73)
  - Investigation of pulse shortening effects in multi-section linear accelerators, 22:39531
  - Methods and systems of beam indication in storage ring, 25:41143 (UCRL-Trans-1438)
  - Problems of beam optics in multisection 2-GeV electron Linac, 25:17615 (SLAC-Trans-128)
  - Research on 100-MeV electron storage ring of Technical Physics Institute of Ukrainian Academy of Sciences, 25:12307 (KHFTI-69-27)
- MOCHINAGA, Junichi Densities and equivalent conductivities of fused UCl_3 and UCl_3—KCl systems, 24:4274
  - Densities and equivalent conductivities of fused UCl_3—NaCl and UCl_3—KCl.NaCl (em) systems, 24:4275
  - Electric conductivities of fused salt mixtures containing UCl, KCl, and NaCl, 23:28860
  - Electric conductivities of fused UCl_3 and NaCl—UCl_3 systems, 23:112
  - Electric conductivities of fused UCl_3 and NaCl—UCl_3 systems, 23:6107
  - Recovery of U from U—Nb alloy, 24:11679
- MOCHIZUK, Yoshio Metabolism of ^{131}I-labeled methyl iodide, 23:26673
- MOCHIZUKI, Hideyo Determination of boric oxide in borosilicate glasses, 25:51324 (RFP-Trans-81)
- MOCHIZUKI, Hiroji Advanced thermal reactors and fuel cycle, 21:25675
  - Advanced thermal reactors and fuel cycle, 22:42198 (NSJ-tr-114)
  - Analysis and evaluation of D_2O moderated CO_2 cooled power reactor, 23:49542 (NSJ-tr-151)
  - Analysis and evaluation of D_2O moderated power reactors, 25:8081 (NSJ-tr-162)
  - Analysis of heavy water moderated power reactor. III, 24:35998
  - Analytical evaluation of the D_2O moderated power reactors, 23:15613
  - Evaluation of a gas-cooled D_2O power reactor, 22:53330
  - Structural materials and welding for steam generators in sodium-cooled fast breeder reactors, 24:1029
  - Study concerning the analysis and evaluation of a gas cooled fast breeder, 25:3854
- MOCHIZUKI, K. Burn-up prediction in thermal reactors in Japan, 22:22735
  - Description of three-dimensional power and void distributions for BWR, 22:22763
  - Failed fuel element detection and location in power reactors in Japan, 24:4016
  - Irradiation test of the Sumitomo test assembly, 24:14970
  - Program and the present status of fast breeder reactor development in Japan, 25:54043 (A/CONF.49/P-819)
- MOCHIZUKI, Keiichi Control of the off-gases and its problems in JPDR, 22:14158
  - Detection and location of failed fuel elements, 23:31242
  - Development of an in-core void meter, 22:12688 (AEC-tr-6929)
  - Development of in-core void meter, 23:2696 (NSJ-tr-135)
  - Present status of fuel failure detection and location method in various countries in the world, 25:57056 (JAERI-Memo-4157, pp 89-100)
- MOCHIZUKI, Masao Prestressed concrete pressure vessel for nuclear reactor thermal design and analysis, 24:11336
- MOCHIZUKI, Sadamu Simultaneous measurements of particle size distribution of radioactive charged aerosols and concentration ratio of positive to negative, 23:4833
- MOCHIZUKI, Tsunekazu Chemical characteristics of river water in the eastern part of Shimane Prefecture, 24:44134
- MOCHIZUKI, Tsutomu Design of facilities for production of ^{131}I, 24:31573
  - Design of facilities for production of ^{32}P, 24:31572
  - Production of /sup 99m/Tc, 24:31368
  - Production techniques for ^{82}Br, 24:31365
  - Routine production of ^{51}Cr, 24:31366
  - Routine production of ^{64}Cu, 24:31367
- MOCHIZUKI, Y. Protection of thyroid gland and total body from radiation, 23:24694
- MOCHIZUKI, Yoshio Determination of chlorobiphenyl in rat adipose tissue by neutron activation analysis, 25:54500
  - Thorium, its toxicity and the counter-measure for safety, 25:26603
- MOCHON, Harry H. Jr. New England Power Exchange, 25:41302
  - New England Power Exchange, 25:59907 (CONF-710606-15)
- MOCIUTCHI, C. 4th test of general relativity theory, 25:20097
  - Linear theory of gravitation. II, 24:13171
  - New linear gravitation theory. III, 25:20098
  - New linear theory of gravitation, 22:50464
- MOCK, Cecil R. SE90 scan converter storage tube, 22:21007 (SC-TM-67-2978)
- MOCK, J. B. Crossed-coil probe for use in superconducting solenoids, 24:11873
- MOCK, James W. Hafnium alloy, 24:25664
- MOCK, John A. Industrial radiation cured coatings speed product finishing, 25:21022
- MOCK, M. Stellar accretion and x-ray emission, 21:34978
- MOCKEL, A. Invariant embedding and propagation of neutron waves in a semi-infinite medium, 22:29858
- MOCKEL, A. J. Degenerate thermalization kernel for unit cell calculations, 25:6166
  - Variation of R-matrix, 24:15948 (ORNL-TM-2816)
  - Variation of the R matrix, 24:52721
- MOCKEL, Andre Invariant imbedding and polyenergetic neutron transport theory. II, 21:35404
  - Invariant imbedding and polyenergetic neutron transport theory. I, 21:35403
  - Invariant imbedding as a generalization of the resolvent equation, 22:20345
  - Thermal-neutron Milne problem and albedo of a semi-infinite absorbing medium. I, 22:32469
- MOCKEL, Andre J. Milne problem with absorption and the albedo of a semi-infinite medium, 21:38173
  - Neutron wave optics, 24:8815 (ORO-3858-1, pp 356-79)
- MOCKER, M. Case formalism for normal modes of Vlasov—BGK equation, 24:23984
  - Eigenfunctions of the linearized Vlasov—BGK operator, 24:3379
  - Method of normal modes for Vlasov—BGK equations, 25:43377
- MOCKETT, P. High-Z cylindrical spark chamber, 22:24777
- MOCKETT, P. M. Failure to observe a meson decaying into $\pi^+\pi^0$ in the reaction $\pi^+ + p \rightarrow \pi^+ + p$ with 968-MeV/c incident π^+, 22:11593
- MOCOROA, A. Electron-gamma directional correlation experiments in ^{75}As, 22:20526
  - Isomer ratios for /sup 87m/87/Y formed by reaction ^{90}Zrn, 22:27128
  - Relations of cross sections for formation of isomers /sup 87m/Y and ^{87}Y in nuclear reaction ^{90}Zr(d,αn), 23:13261 (CNEA-214)
- MOCQUOT, G. Chemical residues in milk: radioactive contamination, 24:46606
  - Destruction of microorganisms by ionizing radiations. Applications, 21:45851
  - Development of Lactobacillus lactis in irradiated milk, 21:9030
- MOCQUOT, Germain Thermo and radiosensitivity of vitamins, 21:9045
- MOCTEZUMA, P. Reactor assembly, architecture, civil works, and installations, 25:34411
- MOCTEZUMA, Pedro Accelerator center: architecture, administration, and installation, 24:18332
- MOD, William August Separation and recovery of beryllium, 21:14306
- MODAK, Sohan P. Synthesis of DNA after uv irradiation, 23:38458
- MODALI, Sarma B. Evidence for an optically thick component in the galactic radio source Sagittarius B_2, 25:30119
  - Pulsar data tables, 25:16684
- MODAN, B. Direct method of measuring total radiation dose to the brain using the Fricke dosimeter, 25:58012
  - Doses to brain, skull, and thyroid, following x-ray therapy for Tinea Capitis, 22:31085
- MODDEMAN, W. E. Electron shake-off in Ne and Ar as function of energy of impact electron, 24:26009
  - High energy lines in K-LL Auger spectrum of N_2, 24:33713
  - K—LL Auger spectra of N_2, O_2, CO, NO, H_2O, and CO_2, 25:58736
  - Multiple excitation of neon by photon and electron impact, 24:15163
- MODDEMAN, William Ervin Auger spectroscopy of simple gaseous molecules, 24:50288 (ORNL-TM-3012)
- MODE, Charles J. Generalized multi-dimensional age-dependent branching process, 23:4506 (ORNL-4331)
- MODE, V. Alan Corrected fluorescence spectra by computer postprocessing, 25:44306 (UCRL-73161)
  - High-speed separation of the rare earths by ion exchange chromatography, 25:44416 (UCRL-73190)
  - Liquid chromatography. I, 25:57526 (UCRL-73190(Rev.1))
  - Rare earth chelates. III, 24:50316 (UCRL-72707)
  - Redetermination of the half-life of ^{47}Sc, 22:20512
- MODEL, I. Sh. Measurement of the temperature of plasma from pulse discharge in deuterium by self-reversal of the spectral lines, 22:46133
  - Measurement of the temperature of pulse-discharge plasma in deuterium by self-reversed spectral lines, 22:52757
- MODEL', M. S. Effect of small additions and impurities on the crystalline lattice constant and heat expansion of Mo, 22:2638
  - Interaction of Mo—Zr and Mo—Ti alloys with gaseous medium containing C and O, 24:46729
  - Investigation of the structure and properties of solid solutions of oxygen in titanium and zirconium, 23:12416
  - Phase diagrams and reaction of Ti and Zr with O, 23:30179
  - Stability of solid inclusion compounds in molybdenum, 24:34886
- MODELSKA-BERKAN, A. Simple method of production of lithium surface barrier silicon detectors, 22:10556
- MODENA, Giorgio Hydrogen bonding in some peroxide oxidations of organic sulphur compounds, 23:15841
- MODENA, I. Mobility of electrons in dense ^{4}He fluid, 21:41996
  - Mobility of electrons in liquid ^{3}He at the critical point, 21:37355
  - Mobility of positive and negative charges in ^{3}He at the critical point, 22:39008
  - Two π^0 photoproduction in H. I, 23:25726 (LNF-68/70)
- MODENOVA, V. S. Direction and speed of ionized formations in F region, 24:39972
- MODERN, E. Investigations in the two-component systems La_2O_3—(CaO, SrO, BaO), 23:22689
- MODES, D. Determination of specific activity of substances containing ^{35}S, 24:13990
- MODESITT, G. High energy astrophysics, 25:30220 (P-4494(RAND))
- MODESITT, G. E. Bremsstrahlung power density: semiclassical calculations, 25:59045
- MODESTOV, V. K. Kinetic labelled compounds for functional assessment of liver, 25:16240
- MODIG, H. Cellular mixed disulphides between thiols and proteins, and their possible implication for radiation protection, 22:21565
  - Development of cellular resistance to irradiation, 22:40781
  - Effect of x irradiation on the cellular sulfhydryl content, 21:12791
  - Radioprotective mechanisms in radioresistant tumors, 24:34583
- MODIG, Hans G. Intracellular release of glutathione: a possible mechanism of action of radioprotective sulphydryl containing compounds, 25:35204
  - Non-protein sulphydryl and glutathione content of Ehrlich ascites tumor cells after treatment with radioprotectors AET, cysteamine, and glutathione, 22:45615
  - Role of some cellular factors in the development of acquired radioresistance, 23:43847
- MODIGLIANI, E. Hypertropy of salivary glands during the carcinoid syndrome, 24:9958
  - Insulin secretion during arginine perfusion, 23:38689
- MODINE, F. A. Magnetic circular dichroism of bands associated with the F^+ center in SrO, 25:36291
- MODINOS, A. Effect of atomic cores on electron tunnelling through dielectric layers, 25:30678
- MODISETTE, Jerry L. Buoyancy and solar spin-down, 24:3128
  - Engineering models of the space radiation environment, 21:37513
  - Solar-wind-induced torque on the sun, 21:18398
- MODISETTE, Jerry Lee Angular momentum effects of solar and stellar winds, 22:13207
- MODJTAHED-ZADEH, R. Gamma—γ of four resonances of reaction $^{15}N(p,\gamma)^{16}O$, 22:32507
- MODJTEHEDZADEH, M. Multivariable expansion of the scattering amplitude involving an arbitrary number of spinless particles and crossing symmetry for partial waves, 24:42944 (NYO-3399-222)
  - Poincare group, 24:13126 (SU-1206-212)
  - Two variable expansion of the scattering amplitude for any mass and spin and crossing symmetry for partial waves, 24:8738 (SU-1206-209)

- Two-variable expansion of the scattering amplitude for any mass and spin and crossing symmetry for partial waves, 24:37942
- MODJTEHEDZADEH, Mohammed Multivariable expansion of scattering amplitudes, crossing symmetry of partial waves, and tests of various crossing symmetric models, 25:59619
- MODLIN, A. A. Radiation sputtering of a single crystal of gold by fast neutrons, 22:44237
- MODONESI, O. Feasibility of direct digital control for an intrinsically unstable nuclear power reactor, 25:46334 (RT/EL-(69)7, Paper 5)
- MODROW, R. D. Optimized use of multipurpose fuel processing facilities at Idaho chemical processing plant, 25:34681 (CONF-710417-1)
  - Safety analysis report for Peach Bottom I Core 1 fuel storage facility, 25:44567 (IN-1465)
- MODRZEJEWSKI, A. Large zinc neutron monochromator with an increased mosaic spread, 22:21391
- MODRZEW, J. Continuous countercurrent solvent extraction of U, 22:4257
  - Recovery and purification of uranium and other metals by ion exchange and solvent extraction, 22:4258
- MODUGNO, G. Nuclear fuel characterization, 25:27293 (RT/ING-(70)21)
- MODUGNO, M. Asymptotic deflexion of light ray in Kerr field, 24:26501
- MODY, E. Effect of ^{32}P internal irradiation on serum glucoproteins and lipoproteins, 22:12797
- MODY, Eugen Experimental studies on blood protein and immunogenicity of ^{32}P-irradiated animals, 22:40805
- MODYLEVSKAYA, K. D. Decomposition of certain electro-contact materials, and rapid method of determining nickel therein, 23:7489
- MODZELSKI, V. Carbon compounds in Apollo 11 lunar samples, 24:25946
- MODZOLEVSKII, V. I. Tandem plasma acceleration in coaxial systems, 25:36204
- MOE, A. Joining methods applied to sintered aluminium products, 21:36806 (RISO-145)
  - Joining methods applied to sintered aluminum products, 23:30118
- MOE, C. R. Simultaneous measurements of electron content and charged particle precipitation in a region of auroral activity, 22:5274
- MOE, H. J. Radiation safety technician training course, 21:28426 (ANL-7291)
- MOE, Kenneth Corpuscular heating effect observed by Explorer 6 near sunspot maximum, 22:17492
  - Density scale heights at sunspot maximum and minimum from satellite data, 22:29340
  - Mathematical analysis of aperiodic events, 25:49793 (N-70-19889)
  - Prediction of geomagnetic activity, 24:32728 (N-69-39662)
  - Relationship of geomagnetic storms to the density of the upper atmosphere, 21:7118
  - Reliability of polar cap absorption as predictor of geomagnetic storms, 21:7116
  - Variation of geomagnetic disturbance with latitude, 23:16731
- MOE, Kjeldseth O. Solar lithium abundance, 25:13870
- MOE, M. K. Cosmic rays as a high-energy particle source, 21:30725
  - Energy measurement of muons above 1 TeV, 24:21921
- MOE, O. Kjeldseth Effect of saturation on Zeeman triplets, 22:31545
  - Magnetic-field configuration in sunspots, 23:36386
  - Model for the penumbra of sunspots, 23:46198
- MOE, Olav Kjeldseth Line formation in a homogeneous magnetic field, 22:43911
- MOEBERT, K. Program for determining environmental safety of nuclear power plants, 25:37049
- MOEBIUS, H.-H. Batteries of solid electrolyte fuel cells with uranium oxide anode layers, 22:42697
  - Oxygen ion conducting solid electrolytes and possibilities for their application, 21:12419
- MOEBIUS, Hans-Heinrich Electric conductivity in the ZrO_2—CaO and ZrO_2—MgO systems. II, 21:36922
  - Oxygen ion conducting solid electrolytes and possibilities of their application: composition and systematics of solid electrolytes with oxygen ion conductance, 22:10247
- MOEBIUS, P. Relativistic Dalitz plot for spin—parity determination of L-meson, 21:37793
  - Weak interactions and unitary symmetry breaking, 21:29603
- MOEBIUS, R. Tribochemistry of tungsten(VI) oxide, 25:22157
- MOEBIUS, W. Experimental studies on the problem of optimal fractionation in x-ray therapy of genital cancer, 21:6571
  - Infiltration of the parametrium by actinomycosis following surgery and radiation of cervix carcinoma, 21:6554
  - Methods of application of gamma emitters in contact therapy with regard to radiation protection, 25:8688 (SZS-6/70)
  - Methods of application of gamma emitters in contact therapy with regard to radiation protection, 25:8729 (SZS-6/70 (pp 1-8))
- MOEBS, W. D. C. Meson and isobar resonance production in π^-p interactions at 3.63 GeV/c, 21:37704
- MOEBS III, William D. C. Four- and five-particle production in 3.7 GeV/c π^-p collisions, 21:18925
- MOECK, E. Emergency power plant designed after the Loffler principle for ships with nuclear power plants, 21:15749
- MOECK, E. O. Annular-dispersed two-phase flow and critical heat flux, 24:41599 (AECL-3656)
  - Effect of cosine and half-cosine heat fluxes on dryout for steam—water flow in an annulus at 1000 psia, 21:12570 (AECL-2646)
  - Experimental critical heat flux measurements applied to a boiling reactor channel, 21:40635
  - Heat fluxes in internally heated annuli, 21:43158
- MOECK, Eckard Low-capacity nuclear power marine propulsion plant, 21:15750
- MOECK, Edward Otto Annular-dispersed two-phase flow and critical heat flux, 25:34797
- MOECKEL, Wolfgang E. Propulsion systems for manned exploration of the solar system, 23:52428
- MOEDL, H. Kinetics of processes variably distributed in recovery energy, 25:19859
- MOEES, A. Mutation breeding in tetraploid gladiolus, 25:24092
- MOEHL, Anita Liquid scintillation quenching to quantitate lipid mass, 23:21621
- MOEHL, D. Addendum to design study of 300 GeV proton synchrotron, 22:1523 (CERN-702)
  - Coupling between betatron and synchrotron oscillations due to incoherent space-charge forces, 22:32311 (CEAL-2000, pp 478-81)
  - Design study of 300-GeV proton synchrotron, 22:22482 (CERN-563(Add.))
  - Development of an FFAG-electron synchrotron of the radial-sector type. VI, 21:25374
  - Evaluation of ERA radiation loss by a perturbation method, 24:35779
  - Longitudinal instability in CERN PS, 25:50555
  - Proposal for FFAG-electron-synchrotron, 21:42478 (BMwF-FBK-67-65)
- MOEHL, Dieter Broad-Band adaptation of acceleration electrodes for particle accelerators, 22:5684 (NP-17020)
- MOEHLER, Karl Heinz Precipitates in high-carbon chromium steel, 25:22105
- MOEHLMANN, D. Ionospheric velocity fields from geomagnetic S/sub q/ variations, 24:26067
- MOEHLMANN, G. Decarboxylation of metal trichloroacetates, 24:46225
- MOEHR, J. G. Dependence of neutron flux and temperature of thermal multiplying system following step change in reactivity, 22:47019 (PEL-152)
- MOEHRLE, G. Assessment of incorporation risks, 25:32354
  - Direct measures at the incident site from the medical viewpoint, 23:22303
  - Experience acquired from incidents with transuranium elements, 25:37822 (EUR-4612, pp 585-93)
  - Incorporation hazards and their estimation, 25:52053
  - Medical considerations and guide lines on personnel decontamination and decorporation. II, 22:38298
  - Personnel decontamination. I, 22:31093
  - Presently available methods for elimination of radioisotopes from the body and their practical application, 25:35134
  - Problems of protection of physicians in nuclear energy installations, 23:6466
- MOEHRLE, Guenther Health supervision of radiation exposed persons, 24:34376
- MOEKEN, H. Fissionable material balance and safeguards, 25:4266
- MOEKEN, H. H. Ph. Absorptiometric determination of U with Rhodamin B, 21:5758 (NP-16378)
  - Absorptiometric determination of U with rhodamine B, 21:17586
  - Density of nitric and solutions of U and U—Al alloys, 23:13724
  - Determination of ammonium, fluorine, and zirconium in ammonium hexafluozirconate solutions, 21:5757 (NP-16377)
  - Determination of fluorine in nuclear fuel reprocessing solutions using a fluoride-sensitive electrode, 23:2181 (NP-17619)
  - MUF values calculated daily over three balance areas during a reprocessing run for highly enriched uranium fuel, 25:21318
  - Potentiometric determination of fluorine in nuclear fuel reprocessing solutions, 23:24284
  - Prog. rpt. on study of MUF values calculated over three balance areas and the plant as a whole during a reprocessing run for highly enriched uranium fuel, final, 3/70—6/71, 25:46611 (IAEA-R-902-F)
  - Remotely operated equipment for the analysis of reprocessing solutions, 22:40030
  - Simultaneous determination of free acid and stainless steel in sulfate solutions, 21:40766 (NP-16884)
  - Simultaneous determination of free acid, Fe, and U in nitrate solutions, 21:40765 (NP-16883)
  - Simultaneous determination of hydroxyl and Al in aluminate and basic Al nitrate solutions, 21:40764 (NP-16882)
  - Some developments in input accountability at EUROCHEMIC, 25:21323
  - Verification of the uranium and plutonium measurements on a batch of dissolved reactor fuel, 24:2068 (NP-18021)
- MOELLENDAL, Harald Microwave spectra of deuterated glycolaldehydes, 25:29044
- MOELLENHOFF, C. Big bang cosmology, 24:46981
- MOELLENSTEDT, G. Conference on x-ray optics and microanalysis, Tuebingen, Ger., 9/68, 25:26155
  - Monochromatization of electron beams and improvement of emission images, 23:1167
- MOELLER, A. Charge transfer of 24- to 75-MeV iodine ions in supersonic mercury vapor jet, 22:9031
  - Electron capture of iodine ions between 19 and 55 MeV, 22:31629
  - Electron loss of iodine ions between 13.7 and 64 MeV, 22:52508
- MOELLER, C. Energy—momentum complex in general relativity, 21:46442
  - Relativistic thermodynamics: a strange incident in the history of physics, 21:42223
  - Thermodynamics in relativity, 23:23550
- MOELLER, C. E. Prog. rpt. on cold molecular welding in ultra-high vacuum, final, 10/8/64—12/17/65, 21:4679 (N-66-28544)
- MOELLER, C. Eugene Thermal expansion apparatus with Re dilatometers, 24:33825 (BMBW-FBK-70-1, pp 621-30)
- MOELLER, Carl Clinical course of severe radiation injury of the colon and rectum, 24:32247
- MOELLER, Charles P. Electron-capture rate of ^{7}Be, 23:14474
- MOELLER, D. Bone marrow transplantation in supralethally irradiated mice, 23:33744
- MOELLER, D. W. Environmental radiation surveillance: a comparison of the recommendations of four international agencies, 25:16159
  - Prog. rpt. on air cleaning, 9/67—3/68, 22:28037 (NYO-841-12)
  - Prog. rpt. on air cleaning, 9/69—2/70, 24:33861 (NYO-841-22)
  - Prog. rpt. on air cleaning, annual 9/1/66—8/31/67, 22:2225 (NYO-841-11)
  - Prog. rpt. on air cleaning, semiannual, 3—8/69, 24:9621 (NYO-841-20)
  - Prog. rpt. on air cleaning, semiannual, 3—8/70, 25:10797 (NYO-841-23)
  - Prog. rpt. on Harvard Air Cleaning Lab., 9/1/68—2/28/69, 23:24415 (NYO-841-16)
  - Semiannual progress report, September 8, 1970—February 28, 1971, 25:39311 (NYO-841-24)
- MOELLER, Dade W. Administrative practices in radiation monitoring, 24:12102
  - Analysis of the records of American Board of Health Physics applicants, 25:54363 (HUX-4136-1)
  - Environmental protection for nuclear applications, 23:48036
  - Standard radioassay technics: a status report, 22:19351
- MOELLER, E. Cellular immunity, 22:14929
  - Measurement of decay of thermal neutrons in water poisoned with the non-1/v neutron absorber cadmium, 22:13893 (AE-309)
  - Measurement of decay of thermal neutrons in aqueous solutions of non-1/v neutron absorber Cd, 22:41931
  - Microanalysis of F contamination and its depth distribution in Zy, 21:1237 (AE-237)
  - Microanalysis of fluorine in Zircaloy by use of ^{19}F(p,$\alpha\gamma$)^{16}O reaction, 21:25777
  - Microanalysis of light elements by means of (d,n) reactions, 21:25778
- MOELLER, Erna Allogeneic inhibition in tolerant animals, 24:637
  - Cytotoxicity by nonimmune allogeneic lymphoid cells, 22:19275
  - Inhibition of tumor growth by confrontation with incompatible cells, 21:26583
  - Relationship between isoantigenicity and transplantation behavior of tumor homografts, 21:22382
- MOELLER, F. Concentration factors for fallout ^{90}Sr and ^{137}Cs in fishes, 25:2527
- MOELLER, Fritz Cosmic influences on the weather, 22:9211
- MOELLER, G. Cellular immunity, 22:14929
  - Interaction between allogeneic cells of human origin, 24:820
  - Persistence of immunogenicity of two complex antigens retained in vivo, 23:2797
- MOELLER, George Computation of continuous decompression schedules for deep sea dives, 22:37625 (BNL-50104)
- MOELLER, Goeran Inhibition of tumor growth by confrontation with incompatible cells, 21:26583
- MOELLER, H. German nuclear energy clauses in hull and cargo insurance, 24:22955
- MOELLER, H. Bjerrum Crystal fields and the magnetic properties of praseodymium and neodymium, 24:45347
  - Exchange interactions in rare earth metals, 25:5213
  - Magnetic anisotropy in rare-earth metals, 25:3208
  - Magnetic interactions in Tb and Tb—10 percent Ho from inelastic neutron scattering, 22:15583
  - Magnon dispersion relation in rare earth metals from inelastic neutron scattering, 22:24393 (CONF-670502-, pp 307-9)
  - Magnons in rare earth metals, 22:36971 (RISO-178)
  - Neutron spin scattering by spin waves in metals, 24:10628
  - Prog. rpt. on physics, annual, 1—12/70, 25:43435 (RISO-237)
  - Prog. rpt. on physics, semiannual, 1—6/69, 24:12891 (RISO-M-961)
  - Progress report on physics dept., annual, 1970, 25:22632 (RISO-M-1300)
- MOELLER, H. S. Magnetic field at ^{119}Sn in Gd, 23:16877
  - Pressure dependence of isomer shift of ^{119}Sn, 22:35317
- MOELLER, Hans G. Oblique sweep-frequency experiments over a 2000-km north—south subauroral path, 21:13460
- MOELLER, Hans Georg Observations of ionospheric phenomena during geomagnetic storm 10/31—11/2/68, 25:1077
- MOELLER, Hartwig Determination of specific radioactivity of free amino-acids in tissue extracts, 23:28730
- MOELLER, J. Altitude effect on isotopic composition of precipitation and glacier ice in the Alps, 23:45404
- MOELLER, K. Measurements 2D of the reaction H(d,2p)n at 14 MeV, 23:25808
  - Three particle reaction H(d,2p)n at 14 MeV, 23:21239 (ZFK-130, pp 209-10)
  - Two-dimensional measurements of the deuteron break-up by protons at E/sub d/ = 14 MeV, 23:3933
- MOELLER, P. Dating soil layers by ^{10}Be, 22:6458
  - Determination of cosmogenic production rates of ^{10}Be and ^{7}Be in the atmosphere from activity measurements in soil layers, 22:50062
  - Determination of the trace element distribution in coexisting calcite and dolomite by neutron activation analysis, 25:54497
  - Effect of the P_6 degree of freedom in the nuclear potential, 24:22228
  - Fission barrier and odd-multipole shape distortions, 24:30951
  - Fractionation of calcium isotopes in carbonate precipitates, 25:39590

  Isolation of the radionuclides ^{7}Be and ^{10}Be from rainwater and soil, 24:41400
  Measurementof isotope abundance shifts by means of neutron activation analysis, 25:54492
  Microscopic mechanism behind the fission barrier asymmetry, 25:25838
  New type of fission-isomeric state, 24:13406
  Nuclear chemistry compendium. I, 25:34863 (HMI-B-108)
  Spontaneous fission of nuclei with Z near 114 and N near 184, 22:44781
MOELLER, Peter Effects of P$_3$ and P$_5$ distortions on fission barriers of superheavy elements, 25:28313 (CERN-70-30(Vol.2), pp 689-99)
  Microscopic calculations of the inertial mass parameter for fissioning nuclei, 23:34815
  Nuclear structure and stability of heavy and superheavy elements, 23:34816
  P$_3$, P$_4$, and P$_6$ equilibrium distortions in rare-earth region, 24:28847
MOELLER, Peter-Achim Construction of quadrupole lens systems having a transfer matrix of unity, 21:1006
MOELLER, R. Coolant cross-mixing in multirod bundles, 23:45076
  Fuel element with spiral spacer for fast breeder reactors, 23:11239 (KFK-768)
  Fuel elements with spiral spacers for fast breeder reactors, 23:17186 (EURFNR-571)
  Fuel rod bundles with various spacer designs for sodium cooled fast reactors, 24:26773 (KFK-1154)
  Fuel rod bundles with various spacer designs for sodium-cooled fast reactors, 24:52918
  Heat transfer and pressure losses in axial flow-through rod bundles, 21:41097 (IRB-2/66)
MOELLER, Therald Current problems and studies in the coordination chemistry of the rare earth—metal ions, 22:22998 (CONF-670502-, pp 318-28)
  Periodicity and the lanthanides and actinides, 24:31339
MOELLER, U. Experimental studies with DSR test elements following high burnup, 25:23286
MOELLER, Uwe J. Tappet wear measurements by means of radionuclides, 22:47301
MOELLER, W. Corrosion of gas turbine alloys in molten salts of high V$_2$O$_5$ and low Na content, 25:55375 (CONF-690452-, Paper 8)
MOELLER-PEDERSEN, B. Relation between metric and decametric noise storm activity, 24:10326
  Relationship between drift pair bursts and decametre type III solar radio emission, 25:38103
MOELLERUD, R. Cross-channel isospin analysis of peripheral single-pion production processes, 25:17490
  Isospin analysis of pion and nucleon resonance production in NN collisions, 25:20030
MOELLMANN, H. Determination of Cu by activation analysis in liver, 24:32084
  Intestinal absorption of metallic mercury, 25:18369
  Light- and electron-microscopic findings in liver tissue of rabbits following high doses of ^{60}Co irradiation, 25:32540
  Neutron activation analysis in diagnosis and subsequent control of Morbus Wilson, 25:31851
  Ultrastructural changes in rabbit heart following ^{60}Co whole-body exposure, 25:44930
MOEN, Allen LeRoy Thermal reemission of noble gases, 23:44504
MOEN, H. Computer control of the Halden Boiling Heavy Water Reactor, 23:40346
MOEN, I. O. anti pn $\to$ 3π, K $\to$ 3π, eta $\to$ 3π, and X^0 $\to$ eta$\pi^+\pi^-$ decays in a crossing-symmetric Regge-pole model, 24:28546
  Application of crossing-symmetric model satisfying the Mandelstam representation to π—π and K—π scattering, 25:22802
  Regge-pole model for $\pi N \to \omega N$, 25:20008
  Unified theory of gravitation and symmetry violation, 23:25699
MOEN, R. A. Evaluation of Inconel 718 for application in the Fast Test Reactor, 23:33948 (BNWL-930)
  High-nickel content alloys for FTR core structural materials, 22:47006 (BNWL-748)
  How NaK eutectic alloy affects Type 316 stainless steel, 22:52140
  Neutron fluence limit determinations for some FFTF components, 25:44167
  Prog. rpt. on ATR Be surveillance program, 12/66, 21:16592 (IN-1043)
  Prog. rpt. on reactor fuels and materials, annual, 1966, 21:18203 (IDO-17218)
  Translating elevated temperature material properties into rules for structural design, 25:60115 (HEDL-SA-164)
MOEN, R. H. Gas-liquid separation on a vane of a radial vane separator, 21:39087
  Prog. rpt. on radial vane steam separator development, 10—12/64, 21:14383 (GEAP-4783)
  Prog. rpt. on radial vane steam separator, 11/66—6/67, 22:2265 (GEAP-5524)
  Prog. rpt. on radial vane steam separator development, Phase II, 10—12/67, 22:30150 (GEAP-5597)
  Prog. rpt. on radial vane steam separator development, 1—3/68, 22:40291 (GEAP-5636)
  Prog. rpt. on radial vane steam separator, final, 7/68, 22:48981 (GEAP-5655)
  Prog. rpt. on radial vane steam separator development, 7—9/67, 22:48980 (GEAP-5567)
  Radial vane steam separator development, 21:30589 (GEAP-5283(Vol.1))
  Radial vane steam separator development, 21:30590 (GEAP-5283(Vol.2))
  Research and development studies in environmental pollution and in reactor cooling systems. Nuclear Engineering. Part XXI, 25:50890
MOEN, W. G. Linear viscoelastic response of LX-07-1, 24:13717 (UCRL-50751)
MOENCH, Helga Effects of radioinduced metabolism disturbances on absorption of p-amino-hippurate and tissue respiration of rat kidneys, 23:31961
  Function and morphology of hypertrophic rabbit kidneys following telecobalt irradiation with 1000 to 4000 rad, 25:29684
  Influence of growth on irradiation nephritis, 22:45708
MOENCH, S. Fabrication of porous compacts of uranium monophosphide, 24:10139 (BMwF-FBK-69-41)
  Properties of mixtures of uranium nitride and uranium dioxide, 23:12431
  Reaction on the sintering of uranium monophosphide, 24:27821
  Safety measures for processing substances containing beryllium, 23:35761
MOENICH, J. S. Zero Gradient Synchrotron (ZGS) H$^-$ ion source, 25:50288
MOENICH, John S. Fast-acting valve, 21:38099
  Vacuum chamber system for high radiation environment, 21:38096
MOENIG, H. Effect of heat-treatment and UV-irradiation on x-ray induced electron spin resonance centers in valine, 23:6154
  Energy localisation in materials of biological interest, 23:35651
  Formation of free radicals in x-irradiated vinyl mercaptan—vinyl pyrrolidone copolymers, 24:2229
  Free radicals in uv- and x-irradiated sulfur-containing organic substances, 21:22355
  Radiation-induced radicals in biological important substances, 23:29379
  Studies on biological radiation protection. XC, 24:36770
MOENIG, Hans Biological radiation protection. LXXV, 21:10902
  Biological radiation protection. LXXXVII, 23:4900
  Biological radiation protection. LXXXVIII, 23:20355
  Importance of molecular configuration for the development of radiation injury, 24:34111
  Investigation on biological radioprotection. LXXIV, 21:20105
  Investigations on biological radiation protection. LXXIX, 21:36631
  Radioiron incorporation in erythrocytes after fractionated or protracted whole-body irradiation, 22:40908
MOENKEMEYER, D. Experiences with coupled computers to control an HPD, 25:13276 (CERN-70-21(Vol.2), pp 721-7)
MOENNIG, F. Neutron—proton charge exchange scattering at 8, 19, and 24 GeV/c, 25:25431
  Neutron—proton elastic scattering in forward direction between 4 and 16 GeV, 23:32613
  Neutron—proton total cross-sections between 8 GeV/c and 21 GeV/c, 24:30446
  Total cross-sections for n—p and n—d scattering at 10 GeV/c neutron momentum, 22:53086
  Total neutron-nuclei cross-sections at 10 GeV/c, 23:5829
MOEPERT, S. Therapy with radiogold seeds, programmed dose calculation, 22:38274
MOERIKE, M. Counter telescope to investigate (n,α) reactions, 24:29560
  Reaction ^{12}C(n,α_0)^{9}Be at 13.9 and 15.6 MeV, 22:50540
  Reaction ^{16}O(n,α)^{13}C at 13.9 MeV, 25:45928
MOERKERKEN, H. Orientation dependence of H$_2$—Ar scattering by a new technique, 25:16806
MOERK-MOERKENSTEIN, P. 2.4-MW pressure and boiling-water loop for heat transfer studies, 22:6510 (EUR-3605)
  Development of transition heat crisis with high pressure in tubes with and without vortex generation, 23:6037
  Heat transfer crisis in high pressure water under forced flow. II, 24:2387
  Heat transfer crisis under forced water flow at high pressures. I, 23:24376
  Heat transfer in water with forced circulation, 22:12519 (EUR-3658)
  Heat transfer to water in once-through boilers and reactor channels under pressures, 25:18252
  Heat transfer values for water in steam generators with forced convection and reactor channels at pressures of 170 to 215 bar, 25:18581
  Pressurized and boiling water loop of the Technology Division at Ispra, 25:54867 (EUR-4683)
  Transfer of heat to water during forced flow within the critical pressure range under conditions of high loads on the heating surface, 21:22098
MOERL, P. Rocket experiments for the investigation of Northern Lights, 22:11326
MOERMAN, P. Spatial resolution of the neutron moisture meter, 22:6666
MOERS, H. Systems analysis of a fast steam-cooled reactor of 1000 MW(e), 22:5924 (EURFNR-405)
  Systems analysis of fast steam-cooled reactor of 1000 MW(e), 22:35554
MOERSCH, Herman J. Chimera of scatter irradiation in thoracic roentgenology, 22:2539
MOERSDORF, D. Infrared thermography with a color scanner used in nuclear medicine, 25:13498
MOERSDORF, Dieter Experimental studies during radiotherapy under excess oxygen pressure, 22:40749
MOERTEL, C. G. Combined 5-fluorouracil and supervoltage radiation therapy of locally unresectable gastrointestinal cancer, 24:6058
MOERUP, S. Hyperfine structure of ^{161}Dy in Gd$_2$O$_3$ at 300K, 25:56375
  Moessbauer study of ^{161}Dy in Gd$_2$O$_3$, 24:45370
MOESCHLIN, Sven Time of maturation, duration of mitosis, and daily exchange of granulated leucocytes, 23:4512 (UCRL-Trans-10212)
MOESNER, J. Energy-range curve for ^{7}Li ions in air, 21:19188
  Experimental analysis of reaction ^{14}N(n,2α)^{7}Li at 14.1 MeV, 23:21266 (ZFK-130, pp 162-4)
  Four-particle disintegration of nitrogen by fast neutrons, 21:44579
  Investigation of reaction ^{14}N(n,2α)^{7}Li, 21:44575 (ZFK-122, pp 305-10)
  Measurements 2D of the reaction H(d,2p)n at 14 MeV, 23:25808
  Three particle reaction H(d,2p)n at 14 MeV, 23:21239 (ZFK-130, pp 209-10)
  Two-dimensional measurements of the deuteron break-up by protons at E/sub d/ = 14 MeV, 23:3933
MOESNER, Juergen Study of reaction ^{14}N(n,2α)^{7}Li, 25:56680
MOESSBAUER, R. L. Absence of induced magnetic fields at Gd nuclei in GdFe$_2$, 23:23298
  Crystalline field effects and first order phase transition in ErCo$_2$, 22:21907
  Isomer shifts and changes of nuclear charge radii in ^{99}Ru and ^{101}Ru, 25:20403
  Isomer shifts of the 90 keV γ rays of ^{99}Ru, 25:1335
  Magnetic field at ^{119}Sn in Gd, 23:16877
  Magnetic hyperfine splitting in Er as dilute impurity in Zr, 23:49014
  Pseudoquadrupole shift and asymmetric line broadening of recoiless nuclear resonance spectra, 23:23273
  Recoilless absorption of gamma rays and studies of nuclear hyperfine interactions in solids, 22:9105
  Recoilless nuclear resonance absorption in ^{145}Nd, 22:18233
  Recoilless resonance absorption and hyperfine structure of the 6.2-keV state in ^{181}Ta, 22:48553
  Resonance spectroscopy of γ-radiation on Au(I) and Au(III) compounds, 25:9593
  Self-inversion of gamma lines, 23:3616
MOESSBAUER, Rudolf L. New method for phase determination using gamma resonance spectroscopy, 25:40830
  Recoilless absorption of gamma rays and studies of nuclear hyperfine interactions in solids, 22:32019
  Resonance fluorescence of atomic nuclei, 22:19800
  Resonance spectroscopy of gamma radiation, 23:30661
MOESSLER, G. Growth of copper whiskers and determination of their crystal structure by electron scattering, 21:2289
MOESSNER, G. Prophylaxis and therapy of microbial complications in unusual radiation burden, 23:22337
MOESTL, K. Discharge mechanism in spark track chambers, 22:8389
MOESTRUP, J. K. Localization of placenta using /sup 99m/Tc, 23:43813
  Photoscanning of placenta with /sup 99m/Tc albumin, 24:2744
MOEZZI, A. Threshold electric fields for microwave spark chambers, 21:39232
MOFFAT, A. F. J. Focal stellar images and photographic photometry, 24:10240
  Photometry and structure of young open cluster NGC 7380, 25:38058
  RR Lyrae variable projected on the Andromeda Nebula, 22:2751
MOFFAT, A. J. Characterization of high-boiling products from irradiated biphenyl and terphenyls, 21:21967 (IDO-16909)
MOFFAT, J. W. anti pn $\to$ 3π, K $\to$ 3π, eta $\to$ 3π, and X^0 $\to$ eta$\pi^+\pi^-$ decays in a crossing-symmetric Regge-pole model, 24:28546
  Application of crossing-symmetric model satisfying the Mandelstam representation to π—π and K—π scattering, 25:22802
  Asymptotic predictions of forward π—N dispersion relations, 21:31604
  Crossing-symmetric interference model and the A$_1$rhoπ system, 23:44650
  Crossing-symmetric Regge-pole model for π—π scattering, 24:3644
  Current algebras and calculations in broken symmetries, 21:15387
  Dipole model of the A$_1$ meson and charge-exchange scattering and polarization, 23:36941
  Dipole rho meson, nucleon form factors, and charge-exchange scattering, 23:5636
  Electromagnetic-mass sum rules in SU$_3$, 21:27409
  Extension of a crossing-symmetric Regge-pole model, 24:13196
  High-energy behavior of π—N scattering and Regge pole model, 22:7513
  Mechanism for splitting the A$_2$-meson, 25:30859
  Model for π—π scattering satisfying analyticity and crossing symmetry, 25:22801
  Nucleon and pion form factors and the dipole rho meson, 23:5618
  Off-mass-shell dependence of A$_2$-meson, 25:53168
  Pion lifetime, rhoπ and sigmaπ intermediate states, and sum rules, 24:13051
  Regge model with scale-invariance, 25:38704
  Rho + rho' model of pion—nucleon charge-exchange scattering and polarization, 22:37157
  Rho dominance and electromagnetic form factors, 24:3562
  S-wave π-N scattering lengths, current algebra, and rho + rho' dominance, 22:20269
  Simply factorizable n-point amplitude, 24:26530
  Spectral function sum rules in SU(3) x SU(3), 22:9524
  SU(3) model of double octets, 24:3722
  Sum-rule test of axial-charge equal-time commutation relations, 22:11674
  Superconvergence and asymptotic behavior of nucleon form factors, 23:18857
  Theory of symmetry violation and gravitation, 23:16974
  Topics in strong and weak interactions, 23:15060
  Two-dimensional relativistic quark model with exact solutions, 21:37889
  Unified theory of gravitation and symmetry violation, 23:25699
MOFFAT, John W. Sum rules, high energy theorems, and singular commutators in the algebra of currents, 21:44431
MOFFAT, P. H. Cygnus Loop at 1420 MHz, 25:58514
MOFFATT, H. K. Annihilation of a two-dimensional jet by a transverse magnetic field, 22:1236
  Suppression of turbulence by a uniform magnetic field, 21:27048
  Turbulent dynamo action at low magnetic Reynolds number, 24:28182

MOFFATT, J. Bubble density in liquid helium, 25:34989 (CONF-700623-(Vol.2), pp 893-900)
MOFFATT, W. C. MHD flat plate boundary layer calculation methods, 22:52599
MOFFATT, W. Craig Approximate solutions for skin friction and heat transfer in MHD channel flows, 23:1241 (AD-465580)
MOFFEIT, K. C. Δ production via $\gamma p \to \Delta\pi$ by linearly polarized photons at 2.8 and 4.7 GeV, 25:1379
Reaction $\gamma p \to$ prho^{0} with linearly polarized photons at 2.8 and 4.7 GeV, 24:26359
rho^{0}—ω interference parameters in diffractive photoproduction of vector mesons on H, 25:40862
Rho^{0}-ω interference parameters in diffractive photoproduction of vector mesons on hydrogen, 25:1368 (UCRL-19753)
MOFFEIT, Kenneth Charles Bubble chamber study of polarized γ p $\to \pi^+\pi^-$p at 2.8 and 4.7 GeV, 25:25282 (UCRL-19890)
MOFFET, A. T. Attempts to detect radio emission from two galactic x-ray sources, 22:49936
Compact radio source in nucleus of M87, 24:4970
Compact radio source in nucleus of M 87, 24:17490 (AD-696119)
Detection of pulsed radio source CP 1919 at 13 cm wavelength, 22:29050
Extragalactic radio astronomy, 24:21479
Further observations of pulsating radio sources at 13 cm, 23:3214
High-resolution observations of compact radio sources at 13 centimeters, 24:46928
Measurement of galactic magnetic field, 23:44069 (AD-685668)
Measurement of the galactic magnetic field, 23:22849
Polarization of pulsating radio sources, 23:51249
Polarization of pulsating radio sources, 24:8266 (AD-693053)
Positions of 352 small-diameter radio sources, 25:16672
Radio source 3C 17, 21:20635
Radio source 3C-17, 21:33026 (AD-642166)
Trans-Pacific interferometer measurements at 2.300 MHz, 23:30247
Variations of small quasar components at 2,300 MHz, 24:10249
MOFFET, Alan T. Relationship of small-diameter radio and optical features in NGC 1068, NGC 1275, and NGC 4486, 22:49915
Structure of radio galaxies, 21:36987
Structure of radio galaxies, 22:7117
MOFFETT, David Read K/sub S/^{0} charged-to-neutral decay branching ratio, 25:19897
MOFFETT, R. Measurement of the K_1^0 charged-to-neutral decay branching ratio, 23:21048
Study of $K_1^0 \to \pi^0\pi^0$ and $K_2^0 \to \pi^0\pi^0$ interference, 23:21046
MOFFETT, R. J. Field-aligned ion velocities in the F2 region, 24:26063
Influence of electromagnetic drifts and neutral air winds on F_2 region, 24:5096
Ionization transport effects in equatorial F region, 21:5146
Sodium distribution in the terrestrial upper atmosphere, 24:8393
Solution of coupled ion and neutral air equations of mid-latitude ionospheric F2 layer, 23:14679
MOFFETT, T. J. Discovery of flare activity on YY Geminorum, 25:52509
MOFFITT, R. D. DIDO hot source; enhancement of 100 to 400 MeV neutron intensities by rethermalization, 22:18576
Hot neutron source for DIDO, 21:35545 (AERE-R-4289)
MOFFITT, Thomas P. Potassium Rankine systems technology, 21:4659 (NASA-SP-131, pp 201-38)
MOFIDI, Dj. Electrochemical oxidation of Re, Mo, W, and some Re alloys, 22:28795
MOGARD, H. Operating experience of Agesta Nuclear Power Plant, 25:53933 (A/CONF.49/P-301)
Power increases and fuel defection, 25:54282 (A/CONF.49/P-314)
Report of working party of board of management on an extension of Dragon project agreement, 24:47806 (DP-Report-100)
Some irradiation studies of fuel clad interaction and clad cracking, 25:54283 (A/CONF.49/P-315)
MOGARD, J. H. Canned fuel rod and fuel sheet elements for nuclear reactors, 21:25748
MOGARD, Johan Hilding Fuel element for a nuclear reactor, 22:25161
Fuel element for a nuclear reactor, 22:39830
Fuel element for a water-cooled nuclear reactor, 22:12513
MOGAROVSKII, V. V. Radiochemical peculiarities of granitoids of the Gissar pluton, 25:34734
MOGENSEN, C. E. Radioimmunoassay for urinary albumin using a single antibody, 24:50978
MOGENSEN, O. Positron annihilation in γ-irradiated 10 M NaOH glassy ice, 25:55835
MOGENSEN, O. E. Finite slit length error in positron annihilation experiments, 24:44371
MOGENSEN, P. A. Lindgard Diagonalization procedure for Bose-system Hamiltonian, 21:3939 (RISO-127)
MOGHISSI, A. A. Automatic sample changer for solid state alpha-spectroscopy, 23:22059
Biological half-life of tritium, 25:46707
Co-precipitation technique for alpha spectroscopic determination of U, Th, and Pu, 22:48839
Generator /sup 83m/Kr, 25:26320
Health physics aspects of tritium luminous dial painting, 24:21106
Health physics aspects of tritium, 25:39865
Improved radiobioassay of urine for tritium, 24:11898
Internal standard with identical system properties for determination of liquid scintillation counting efficiency, 22:23290
Investigation of tritiated luminous compounds, 25:49079 (NP-18974)
Krypton-85 levels in environment determined from dated krypton gas samples, 25:21641
Low-level counting by liquid scintillation. I, 23:17764
Low-level counting by liquid scintillation. II, 24:33912
Low-level counting of environmental ^{85}Kr, 24:5603
Transfer of ^{131}I from milk into cheese, 25:46705
Tritium air monitor, 23:21935 (CONF-680821-, pp 228-34)
Tritium body burden of children, 1967—1968, 24:34197
Tritium concentration in precipitation, 1967—68, 24:33797
Tritium concentrations in food, 1967—1968, 24:34196
Tritium in surface waters of United States, 1966, 23:12092
Tritium monitor based on scintillation, 23:16112
MOGI, Mikio Consideration on the diagnosis of malignant tumor with P-I-N type semiconductor detector, 22:45288
MOGILEVCHIK, L. E. Properties of penicillinase from Bac. licheniformis after treatment with γ-rays of ^{60}Co, 22:8443
MOGILEVICH, B. B. Properties of pyrolytic carbides and nitrides, 21:18329
MOGILEVSKAYA, O. Ya. Data on the effect of oxides of the rare-earth metals on the organism, 21:10242 (TT-65-50023/5, pp 126-32)
MOGILEVSKAYA, V. I. Quantitative determination of barium in presence of strontium, calcium, and magnesium by means of pyromellitic acid, 22:16430
MOGILEVSKII, E. I. Laser-like nature of type I solar radio bursts, 21:28919
Magnetic field decay in the group 21034 during the proton flare period of July 1966, 23:22806
Structure of magnetic field of sunspots, 23:36388
MOGIL'NER, A. I. Absolute reactivity measurements and other parameters, 22:27504
Behavior of integral reactor characteristic K^{+}, 25:60227
Coherent method of subcriticality measurement, 23:11296 (RCN-98, pp 279-90)
Comparison of the point and space kinetics models in a uranium—hydride reactor, 24:43844 (FEI-177)
Control of reactor power level with statistical discrimination against gamma radiation, 23:11300 (RCN-98, pp 427-37)
Correlation method for measuring energy spectra of nuclear particles by time of flight, 21:283
Infralow frequency power fluctuations in a power reactor, 23:11183 (RCN-98, pp 397-408)
Integral method of absolute measurements of a number of nuclear reactor characteristics, 22:35719
Integral method of experimental determination of τ/sub eff/ in reactors with hard neutron spectrum, 25:23338 (JPRS-52290, pp 103-8)
Integral methods for experimental determination of τ/sub eff/ in reactors with hard neutron spectrums, 24:50239 (NP-18366)
Integral methods of absolute measurements of certain characteristics of nuclear reactors, 24:47957 (NP-18367)
Measurement of absolute reactor power and effective fraction of delayed neutron, 23:11294 (RCN-98, pp 229-38)
Neutron detectors frequency responses, 23:9700 (RCN-98, pp 161-80)
Neutron lifetime measurement, 23:11293 (RCN-98, pp 219-28)
Nuclear power reactor dynamics, 23:11185 (RCN-98, pp 459-91)
PF-4 experimental equipment for studying neutron energy spectra, 22:20423 (JPRS-43682, pp 199-222)
Reactor level determination with statistical γ discrimination, 22:35684
Semi-statistical method of effective delayed neutrons fraction measurement, 21:19279
Statistical methods as a means of monitoring the technological safety of power reactors, 23:52324 (JPRS-48331, pp 269-79)
Statistical methods in experimental reactor physics, 23:11265 (RCN-98, pp 71-7)
Theoretical and experimental studies of two-region reactor, 24:29091 (KFKI-23/1969)
Wide-range reactor power measurement with fixed position detector, 23:34903
MOGNASCHI, Ezio Roberto Analysis of EPR spectra of oxidizing catalysts, 25:14482
MOGNO, Yvon Extraction scheme for alkali-metals and alkaline earths, 23:9533
MOGRO-CAMPERO, Antonio Abundances of C, N, and O nuclei trapped in geomagnetic field, 25:11744
MOGUCHEV, V. I. Linear proton accelerator I-2. X, 22:32398
Measurements of current density of pulsed proton beam, 21:7606
MOGUCHY, L. N. Low-temperature extrusion of refractory metals, 22:15161
MOGUL, M. R. Characteristics of spontaneous neoplastic diseases in hybrid mice, 22:31212
MOGUL, Philip Harvey Physical and optical properties of carbodiimides, 21:47014 (IS-T-160)
MOGUTNOV, B. M. Aging features of copper—beryllium alloys dure to their thermodynamic properties, 22:49741
MOH, C. C. Bean mutant induced by ionizing radiation. V, 24:48495
Effectiveness of gamma radiation and EMS in inducing seed coat color mutants, 23:48010 (NYO-2043-194, pp 12-17)
Frequency and behavior of mutants induced by gamma irradiation in beans, 25:26685 (CONF-680112-, pp 85-93)
Genetic behavior of mutants induced by EMS in phaseolus vulgaris L, 23:48009 (NYO-2043-194, pp 5-12)
Mutation frequency and genetic behavior of mutants induced by gamma irradiation and EMS, 23:9912 (NYO-2043-173, pp 3-17)
Mutation frequency and genetic behavior of mutations induced by acute and chronic γ radiation and EMS, 23:50411 (NYO-2043-195, pp 8-22)
Radiosensitivity of tropical plant species, 23:10109 (NYO-2043-173, pp 1-3)
Radiosensitivity of tropical plant species, 23:48254 (NYO-2043-194, pp 1-5)
Radiosensitivity of tropical plant species, 23:50926 (NYO-2043-195, pp 1-7)
Reduced gene transmission and genotypic ratio, 23:48256
Reduced gene transmission and genotypic ratio, 23:50412 (NYO-2043-195, pp 22-6)
Response of radioinduced bean mutant to gibberellic acid, 23:29454
Seed coat color mutants in common beans, 23:50413 (NYO-2043-195, pp 27-38)
MOH, Carl C. Application of nuclear energy to agriculture. Annual report, 25:4732 (NYO-2043-216)
Bean mutant induced by ionizing radiation. III, 24:2621
Bean mutant induced by ionizing radiation. IV, 24:41859
Prog. rpt. on application of nuclear energy to agriculture, annual, 7/66—7/67, 21:36746 (NYO-2043-152)
Prog. rpt. on application of nuclear energy to agriculture, annual, 7/1/68, 23:10108 (NYO-2043-173)
Prog. rpt. on application of nuclear energy to agriculture, triennial, 7/66—6/69, 23:50925 (NYO-2043-195)
Prog. rpt. on application of nuclear energy to agriculture, 7/71, 25:46761 (NYO-2043-235)
Prog. rpt. on applications of nuclear energy to agriculture, annual, 7/1/69, 23:48008 (NYO-2043-194)
Table of reduced gene transmission and genotypic and phenotypic ratio, 21:34631 (NYO-2043-150)
MOHAHAN, J. E. ^{11}B states, 25:50657
MOHAI, M. Application of alkylphosphoric acids in the analysis of substances containing rare earths, 25:31811
MOHAJERIN, Amir H. Thorium X in the treatment of nevus flammeus, 21:22604
MOHAMED, Abou El Magd A. Electrohydrodynamic stability of a liquid jet, 24:28163
MOHAMED, Farghalli Abdel Rahman Effect of ordering on mechanical properties of disordered Cu$_3$Au, 24:26876 (UCRL-19121)
MOHAMED, H. Relationship between peak annealing temperature and fast integrated dose for irradiated copper, copper—aluminum, and copper—silicon alloys, 22:43623
MOHAMED, H. A. Effect of x-ray on some wheat characters, 21:6722
MOHAMED, H. G. Behavior of neutron-irradiated Ni-based and Cu—Al alloys, 24:14831
MOHAMED, H. O. Assessment of accidental external exposure and internal contamination of workers and medical management, 24:7858
Sodium-24 body burden induced by neutron exposure, 25:21699
MOHAMED, Hosni A. Effect of radioactive cobalt on characters of some wheat varieties, 21:6715
MOHAMED, Shawky Yassin Effect of ionizing radiation on egg white proteins, 24:7751
MOHAMMAD, Din Gamma-radiolysis of ethylene glycol aqueous solutions, 22:51007
MOHAMMED, Kasheed Effect of deuteration on the growth and antibiotic production of a number of strains of Penicillium, 23:10127
Effect of heavy water on Pencillium, 24:19376
MOHAN, A. L. Characterization of Trombay soils for disposal of radioactive waste, 22:16808
Characterization of Trombay soils for disposal of radioactive wastes, 22:28035 (BARC-297)
MOHAN, C. Pulsational properties of a massive star in He burning phase. I, 23:12450
Pulsational properties of a massive star in the helium-burning phase. II, 23:14459
Pulsational properties of massive star in He-burning phase. III, 23:41789
Pulsational stability of a massive star in the helium burning phase, 24:48932
MOHAN, G. Infinite-component causal Fermi fields with arbitrary mass spectrum, 23:39807
Spin-3/2 fields and positive definite energy, 21:44438
MOHAN, Gyan Higher spin fields, 23:15230
Interacting Rarita—Schwinger field, 23:15207
MOHAN, H. /sup 80m/Br/I.T./^{80}Br reactions in inorganic bromide—hydrocarbon systems. I, 25:57494
MOHAN, Hari X-ray-induced enhancement effect in electroluminescent zinc sulphides, 23:7032
MOHAN, K. Homogeneous nonstatic solutions of Einstein—Maxwell field-equations for isotropic space—time, 25:36559
Measurements on the decay of ^{197}Hg, 23:42910 (CONF-670109-10)
MOHAN, N. Green's function analysis of SF$_6$ and related molecules, 25:18408
MOHAN, R. Three-fluid hydrodynamical model and proton distribution in ^{208}Pb, 24:1833
MOHAN, Radhe Isospin impurities in the nuclear ground states, 25:28516
Isospin mixing in nuclei, 25:15159
Three-fluid hydrodynamical model of nuclei, 25:46103
MOHAN, S. Decays of ^{170}Tm and ^{171}Tm, 24:24567
Electron capture decay of ^{181}W, 25:5753
L$_3$-subshell Coster—Kronig transition probability and fluorescence yield below Z = 81, 25:52608
MOHANA, B. K. Meson—baryon couplings and K$^-$p reactions, 24:3725
Meson—baryon couplings and K$^-$p reactions, 24:47447 (CONF-690557-(Vol.2), pp 781-95)
MOHANARADHAKRISHNAN, V. Effect of gamma radiation on tanned collagen, 24:230
Radiation-induced changes in collagen, 22:42745
MOHAN RAO, A. M. Mechanism of formation of Rn daughter aerosols, 21:6080

MOHAN RAO, A. S. Dependence of the ionospheric absorption on lunar phase, 25:55975
MOHAN RAO, J. Stability constants of uranyl chelates with nuclear-substituted salicylic acids, 21:5867
MOHANTI, A. K. Analytic properties of current-algebra amplitudes in Khuri representation, 22:9540
  Application of current algebras to nonleptonic hyperon decays, 22:3355
  Current algebra and vector form factor of K/sub e4/, 22:7486
  Some rare decay modes and the algebra of currents, 21:7486
  SU(3) x SU(3) breaking and meson system, 24:52163 (AD-705551)
  SU(3) x SU(3) breaking and the meson system, 23:46772 (NP-18008)
MOHANTI, Ajit Kumar Aspects of current algebra theory and applications, 24:10727
MOHANTY, D. K. Period and declination of pulsar MP 0450, 25:24759
  Search for pulsed radio emission from CYG X-1 at 327 MHz, 25:55728
MOHANTY, H. K. Hydromagnetic flow in a rotating channel, 25:38194
  Hydromagnetic free convection for high and low Prandtl numbers, 25:9270
MOHANTY, S. R. Annealing in gamma-irradiated calcium bromate, 21:17659
  Annealing of chemical radiation damage in potassium bromate by compression, 21:45165
  Annealing of chemical radiation damage in potassium chlorate, 24:5683
  Annealing of chemical radiation damage, 24:19031
  Annealing of damage hypochlorite in gamma-irradiated sodium chlorate, 25:31996
  Annealing of electrical conductance change in γ-irradiated lead nitrate, 24:30384
  Annealing of gamma-irradiation damage in crystalline lead nitrate, 22:27818
  Chemical radiation damage in crystalline ammonium dichromate, 23:33232
  Effect of radiation on the thermal decomposition of crystalline lead nitrate, 23:252
  Evidence of the influence of crystal defects on the annealing of chemical radiation damage, 22:116
  Influence of crystal defects on photoannealing of chemical radiation damage, 22:30616
  Influence of gamma-irradiation on the thermal decomposition of thorium oxalate dihydrate, 23:24237
  Kinetics of isothermal annealing of gamma-irradiation damage in crystalline lead nitrate, 25:2236
  Photo-annealing of chemical radiation damage, 21:42989
  Photoannealing of chemical radiation damage in potassium and cesium bromates, 25:31954
  Role of dehydration and rehydration in the annealing of chemical radiation damage, 23:251
  Thermal decomposition of irradiated lead nitrate, 21:4552
  Thermal decomposition of irradiated lead nitrate, 22:42780
MOHAPATRA, R. N. Anomalous magnetic moment of the A_1, 22:50339
  Continuous-moment sum rules and Regge parameters, 24:1590
  Dispersion sum rules and the p-n mass difference, 23:36942
  Eta $\rightarrow 3\pi$ decay puzzle, 25:27992
  Finite-energy sum rule and nonlinearly rising Regge trajectories, 23:21172
  Gross CP violation, 23:36971
  K/sub L/° $\rightarrow \mu^+\mu^-$ DECAY, K/sub L/°-K/sub S/° mass difference, and weak-interaction cutoff, 22:26621
  Leading divergences in nonleptonic decays, 23:25592
  Nonleading divergences in weak interactions, 24:13018
  Pomeranchuk theorem and results from Serpukhov and satellite experiments, 24:49452
  Possible extension of minimal current algebra and applications, 24:37732
  Second-order weak processes and weak interaction cutoff, 22:44387
  Spectral sum rules for three-point functions and their application to $\pi^0 \rightarrow 2\gamma$ decay, 23:7121
  Strong interaction IVB models, 23:25594 (CERN-69-7, pp 371-89)
  Sum rules for virtual Compton scattering of pions, 22:37111
MOHAPATRA, Rabindra Nath Feynman rules for the Yang—Mills field, 25:53294
  Generalized superconvergence sum rules and applications and structure of weak interaction at high energy, 24:35656
MOHELSKA, H. Special case of lysogeny in Mycobacterium avium, 25:16109
MOHIDE, P. T. Excision of lambda prophage: effects on host survival, 22:26013
MOHINDRA, R. K. Reactions ^{70} ^{72}Ge(p,p'γ), 23:19207
MOHINDRA, V. K. Cesium-137 burdens in the Canadian north, 22:28491
MOHINDRA, Virender Kumar Gamma-ray spectra of thick sources, 21:7329
MOHIR, Akihiro Analysis of linear helical Heliotron field, 24:6557
MOHIT, Behzad Improved in vitro survival of normal, functional spleen cells, 21:36680
MOHIUDDIN, M. Relationship between gamma ray transmission and clean wool fiber diameter, 24:41703
MOHIUDDIN, Mirza Sterilization of surgical catguts by gamma radiation, 24:34815
MOHL, D. Development of a FFAG-electron synchrotron of the radial-sector type. VII, 21:27489
MOHLER, O. C. Prog. rpt. on basic solar research, annual, 10/65—10/66, 22:786 (AD-646372)
  Prog. rpt. on basic solar research, annual, 1—12/68, 23:27287 (AD-681369)
MOHLER, Orren C. Basic solar research: solar chromosphere and high-energy radiation, 25:49633 (AD-715456)
MOHLER, R. R. Computation of optimal controls for a nuclear rocket reactor, 21:46935 (SC-CR-67-2723)
  Computation of optimal controls for a nuclear rocket reactor, 22:30285
  Modern control aspects of nuclear reactors, 23:7415 (SC-CR-68-3739)
  Optimal nuclear reactor control, 21:46929 (SC-CR-67-2746)
  Quasi-linear programming for calculating optimum reactor control, 22:53406
  Reactivity rate-constrained time-optimal neutron kinetics, 23:19563
MOHLER, Ronald Let's apply optimal control theory and nonlinear analysis, 21:31984
MOHLER, Ronald R. Modern control applications to nuclear propulsion, 21:40655 (SC-DC-67-1916)
  Optimal control of nuclear reactors, 24:50207
  Optimal control of the radioactive voltage standard, 24:22914
MOHLING, F. Microscopic theory of quantum fluids. II, 24:19825
  Microscopic theory of quantum fluids. I, 24:19826
  Microscopic theory of quantum fluids. III, 24:47160
  Quasiparticle-ensemble theory for a normal Fermi liquid, 21:18451
MOHLING, Franz Perturbation theory of a many-fermion system. I, 25:23090
  Phenomenological theory of liquid He II, 22:24193 (LA-DC-8457)
MOHM, F. SNR-prototype fuel-handling system, 24:52760
MOHN, Georges Correlation between reduced repair capacity for uv lesions and higher spontaneous mutability of a mutator strain of E. coli K-12, 22:40636
MOHN, L. W. Nuclear quadrupole coupling, Knight shift, and spin—lattice relaxation time in Be, 21:29357
MOHN, Svein Fr. Cesium-137 concentrations in Norwegian lynx and wolverine, 23:45726
MOHNEN, V. Accumulation of neutral and electrically charged radon decay products in aerosols, 22:4226 (BMwF-FBK-67-78)
  Investigations of radioactive fallout. IX, 21:41031
  Theoretical approach to the problem of cluster ion formation, 22:5034 (BMwF-FBK-67-74)
MOHNEN, Volker Attachment of neutral and electrically charged emanation decay products to aerosols, 23:21820 (AERE-Trans-1106)
MOHNEN, Volker A. Ionometric counters, 25:46648
MOHNKE, M. Analysis of the isotope molecules of hydrogen using capillary columns and an electrolytic conductivity detector, 22:39999
MOHOR, I. 8 MeV betatron with improved magnetic circuit, 24:26555
MOHORCIC, Gorazd Radiation degradation of strongly acidic ion-exchange resins, 23:9457
MOHOROVICIC, Stjepan Contribution to the knowledge of antimatter, 22:37067
MOHR, B. Investigation of planetary ionospheres, 21:31310 (NASA-CR-689)
MOHR, C. B. O. Channel coupling and atomic polarization in electron collisions with hydrogen atoms, 24:17674
MOHR, C. L. Core clamping system design for fast reactors, 24:7133
  FFTF fuel pin and subassembly conceptual design methods and data, 24:43805 (BNWL-1064)
MOHR, Claudine Food preservation by irradiation, 25:47074
MOHR, D. BOW-V: program to calculate equilibrium configurations of thermally bowed reactor core, 24:36000 (ANL-EBR-14)
  BOW-V, program to calculate subassembly configurations of a thermally bowed reactor core, 24:33561
MOHR, F. Lipids in liver and unesterified fatty acids in serum after whole-body-irradiation, 23:31659
MOHR, George Effect of ultrahigh vacuum on the friction between metals and granular soils, 23:33370
MOHR, H. E. Determination of vanadium by neutron activation analysis at nanogram levels to formulate a low-vanadium diet, 25:8228
MOHR, H. J. Changes in kidney tissue following directed high-dosage x irradiation, 21:14725
MOHR, Jacobus G. Diffusion of thermal neutrons in heterogeneous graphite—Cd assemblies, 21:46654
MOHR, P. B. Controlled thermonuclear power, 23:39499 (UCRL-71500)
  Fusion reaction power conversion studies, 23:51712 (UCRL-71763)
  Preliminary design considerations for an astron power reactor system, 23:48936 (UCRL-71768)
  Prog. rpt. on structural effects of niobium ion bombardment of niobium foils, 9/70, 24:48864 (UCRL-72408)
  Some economic aspects of power conversion for fusion reactors, 24:49048 (UCRL-72349)
  Some engineering aspects of an Astron fusion power reactor system, 24:49194 (UCRL-72336)
MOHR, Peter Conrad Channelization of liability with special regard for atomic law, 25:42507
MOHR, R. Decay of Cd isotopes, 25:20422
MOHR, U. Cytogenic and karyological studies of clinically treated gynecological tumors, 21:16317
  Whole-body scanning of the rat skeleton, 23:26681
MOHR, W. C. Containers for targets in production of radioisotopes in swimming-pool reactors, 21:45321
MOHRAZ, B. Strength and behavior of prestressed concrete vessels for nuclear reactors, 24:20554 (TID-25367(Vol.2))
MOHRAZ, Bijan Analysis of axisymmetric solids of revolution, 24:24931
  Crack development in prestressed concrete reactor vessel, 24:24830
MOHRI, A. Current sustaining in magnetized toroidal plasma, 25:49892
  Effect of inner current-carrying rings on equilibrium of toroidal plasma, 25:33313
MOHRI, Akihiro Application of microchemical analysis to diagnostics of lithium plasma, 22:34602
  Application of microchemical analysis to diagnostics of lithium plasma, 23:1399
  Average minimum Heliotron magnetic field with inner ring conductors, 22:22133
  Behaviour of ohmically heated plasma, 23:32399
  Characteristics of toroidal heliotron P field, 24:1371
  Confinement of a toroidal theta-pinch plasma in a periodic caulked cusp field, 25:38380 (CONF-710607-113)
  Dependence of plasma confinement on the properties of magnetic configuration and plasmas in JIPP stellarator, 25:38374 (CONF-710607-107)
  Experiments of plasma confinement in JIPP stellarator. I, 25:30457 (IPPJ-102)
  Improvement of l = 2 Stellarator and Torsatron, 25:9508
  Lithium plasma produced by laser giant pulse, 22:34597
  Magnetic system (l = 2), 24:26236
  Negative V" system without use of toroidal solenoid coils, 24:30359
  Ohmic heating of plasma in Heliotron C magnetic field. I, 25:58963
  Plasma confinement in Heliotron field with buried ring conductors, 24:35377
  Plasma confinement in Heliotron P field. II, 23:25287
  Plasma confinement in the Heliotron-P field, 23:18589
MOHRMANN, H. Reactions of O atoms and OH radicals in aqueous solutions, 23:13775
  X-ray effects on systems Fe(II)/Fe(III) and hexacyanoferrate(II)/ hexacyanoferrate(III), 21:21983
MOHRMANN, Hasso Question of effects of O atoms in elucidation of radiation-chemical radical processes by high frequency discharges, 21:3118
MOHS, Michael Allen Relative apparent molal heat contents of some aqueous rare earth salt solutions at 25°C, 24:41092 (IS-T-393)
MOHS, R. Thermodynamic investigation of the indium—thallium system, 23:33957
MOHSEN, M. Decay scheme ^{117}Cd and /sup 117m/Cd, 24:38240
MOHSIN, M. Reaction (d,p) in ^{27}Al at 2 MeV, 23:19218
MOHYUDDIN, M. Effect of ^{60}Co gamma irradiation on the survival of some fungi in single samples of each of three different grades of wheat, 24:34759
  Histological analysis of the buds of potato tubers treated with gamma radiations to inhibit sprouting, 21:45845
  Irradiation of potatoes in Pakistan, 21:32815
  Irradiation of potatoes in Pakistan, 22:43507
MOHYUDDIN, Mirza Radiation sensitivities of wheat grain spoilage fungi, 25:16377
MOI, Hideo Non-destructive determination of hydrogen in organic solvents by thermal neutron scattering, 21:38905
MOINE, C. Hepatic scintigraphy with ^{131}I-labelled albumine macroaggregate (application to the diagnosis of hepatic tumors), 25:49231
MOINE, P. Equilibrium configuration of superdislocations in Fe—Co—2 at. percent V, 25:49472
MOINEREAU Automation in the control and regulation of nuclear power stations, 24:24693
MOINEREAU, P. Digital computer applications for data processing of nuclear reactors and power plants. I, 23:26618
  Mont Arret power plant: EL-4, 23:40296
  Systems of data processing employed for monitoring and operating nuclear power stations, 21:10150
  Use of numerical computers for monitoring and operating nuclear reactors, 22:35483
MOINESTER, M. Multipole analysis of particle—particle or particle—hole multiplets, 23:31045
MOINESTER, M. A. Determination of the f/sub 7/2/—d/sub 3/2/ effective interaction, 24:30943
  Reaction ^{92}Mo(p,t)^{90}Mo at 40 MeV, 25:25787
  Structure of ^{34}Ar and ^{38}Ar, 24:38177
MOINESTER, Murray A. Multipole sum rule analysis of single-nucleon transfer reactions on ^{51}V, 21:12103
MOINESTER, Murray Aaron Reaction (^{3}He,d) on ^{33}Cl and ^{37}Cl and the structure of ^{34}Ar and ^{38}Ar, 24:45776
MOINET, Claude Preparation and control of the functioning of a mercury cathode cell working at an imposed potential, 25:60295 (UCRL-Trans-10548)
MOINOV, S. G. Preparation and mechanical properties of Ti—W alloys prepared by reduction of chlorides, 24:21356
  Solubility of Ta, Mo, and W chlorides in titanium tetrachloride, 24:8117
MOIOLI, P. Microlattice with Eu simulating Pu, 24:50243
MOIR, A. T. B. Assay of ^{42}K in biological samples, 25:34540
MOIR, Donald Alexander Nuclear reactors, 23:31239
MOIR, J. A. Rear face fog spray nozzle spacing, 21:5617 (HW-60726)
MOIR, John Duncan Improvements in welding, 23:4764
MOIR, R. W. Diffusion resulting from nonadiabatic scattering on a helically perturbed field in a torus, 25:30466
  Engineering and economic aspects of mirror machine reactors with direct conversion, 25:38502 (CONF-710607-127)
  Experimental and computational investigations of the direct conversion of plasma energy to electricity, 25:38501 (CONF-710607-126)
  Warm plasma stabilization of the convective loss cone mode, 23:20941
  Yin—Yang minimum-B magnetic-field coil, 24:3409
MOIR, Ralph W. Conditions for Landau damping and wave reflections in open-ended magnetic well plasmas, 25:7425 (UCRL-50900)
  Electromagnetic apparatus for producing and containing high temperature plasmas, 25:52854
MOIRET, Claude Hydrogen formation on a mercury cathode maintained at an arbitrary potential, 25:8190 (UCRL-Trans-10501)
MOISAN, M. High-frequency resonant plasma, 25:59063 (NP-19031)
  Ionic modulation of Tonks—Dattner resonances in self-maintained plasma, 22:50155

MOISAND, Guy Method for bombardment by a beam of charged particles, 23:30867
MOISANT, Raymonde Effect of x rays on the aerobic energetic metabolisms, 21:20069
MOISEE, Yu. N. Dependence of intensity of corpuscular radiation in the upper atmosphere on solar activity, 25:17035
MOISEENKO, B. A. Plutonium-238 + Be neutron sources, 23:37090
MOISEENKO, E. I. Distribution of ^{90}Sr in the adult human skeleton, 21:1741 (NP-16263)
Effect of calcium in drinking water on ^{90}Sr build-up in the bony tissue of the adult population, 23:22247 (AEC-tr-6944, pp 215-21)
Strontium-90 distribution in the skeleton of adults, 21:4749 (AEC-tr-6797, Paper 4)
MOISEENKO, E. V. Effects of radiation on survival and elastoviscous properties of DNA isolated from bacteria irradiated under deep cooling and with protection by thiourea, 23:2901
Primary nature of damage to supermolecular DNA, 23:29365
Vulnerability of irradiated sperm DNP to DNAase I, 23:24515
MOISEENKO, K. I. Electrical potentials of cerebral cortex by local x irradiation, 24:32201
MOISEENKO, S. S. Anomalous changes of some properties of boron, 24:25051
MOISEENKO, V. A. Fast valve of high pressure for bubble chamber, 25:10870 (JINR-P13-5420)
MOISEEV, A. A. Calculation of the dose loads for the bone tissue in case of acute ^{90}Sr poisoning, 21:8832
Cesium-137 content of human body, 25:35095
Cesium-137 in lichen-reindeer man in the extreme north of the USSR, 1962—68, 25:11037 (NP-18381)
Cesium-137 in population of Nenets National District, 25:16063 (AEC-tr-7214, pp 1-8)
Cesium-137 in the lichen-reindeer-man chain in USSR, 25:39852 (AEC-tr-7232, pp 27-44)
Content levels of global ^{137}Cs in organisms of members of groups indigenous population of Nenetz National Area, 1965, 22:31055 (A-AC-82/G/L-1188)
Estimation of mean radiation dose to population of USSR from global ^{137}Cs, 25:24131 (NP-18749)
External background exposure measurements of USSR townpeople in 1964—1965, 21:16212
Irradiation of population in USSR due to global Cs, 25:11073
Lead-210 and ^{210}Po in Arctic regions of northeast, 24:12032 (AEC-tr-7128, pp 180-93)
Mean radiation dose to population of USSR from ^{137}Cs, 25:39858 (AEC-tr-7232, pp 76-103)
Measures to protect population in accidental release of radioactivity, 24:7887
Methodological instruction on diagnostics and first aid in poisoning by radioactive substances, 24:21184 (AEC-tr-7131)
Migration of global ^{137}Cs from podzolic turf soils to human organism through food chains, 22:25799 (A-AC-82/G/L-1187)
Peculiarities of migration of total ^{137}Cs from sandy podzolic soils, 23:17999 (AEC-tr-7030, pp 1-13)
Radiation exposure to natives of far north from ^{137}Cs, 25:16127 (AEC-tr-7214, pp 27-36)
Radiation safety norms (NRB-69), 24:48583
Radiation-hygienic conditions in the Far North, 1959—65, 23:14150 (AEC-tr-7000)
Strontium-90 and ^{210}Po in bones of inhabitants of far north, 22:33803 (A-AC-82/G/L-1190)
Strontium-90 and ^{210}Po in bones of inhabitants of far north, 25:16067 (AEC-tr-7214, pp 108-14)
MOISEEV, A. I. Vacuum vapor deposition of an Nb_3Sn layer on a wire, 21:16883
MOISEEV, A. M. Analysis of helicity amplitudes in reactions $\pi^+p \rightarrow N^*$rho^0 and $\pi^+p \rightarrow N^*\omega$ at 2.34 GeV/c, 25:1409 (JINR-P1-5236)
Elastic scattering PI$^+$p at 2.34 GeV/c PI$^+$ meson pulses, 22:50293 (JINR-P1-4003)
Investigation of rho^0 and N^{*++} resonance production in two-pronged π^+p interactions at 2.34 GeV/c, 23:18806 (JINR-P1-4271)
Investigation of two-prong π^+p interactions at 2.34 GeV/c, 24:28493
Joint resonance production in 4-prong π^+-p interactions at 2.34 GeV/c, 23:23471 (JINR-P1-4330)
Pi$^+$p $\rightarrow$ $\pi^+p\pi^0$ reaction for π^+ meson momentum of 2.34 GeV/c, 22:22314
Resonance production in π^+-p interactions at 2.34 GeV/c leading to three-particle final states, 23:8736 (JINR-P1-4097)
MOISEEV, B. M. Shape of NMR line for two-spin and nonresonant-dipole system, 22:17783
MOISEEV, B. S. Magnetic activity and auroras during a proton flare on Sun, 24:12579
MOISEEV, D. N. Helium escape from irradiated borated materials with carbon—graphite matrix, 25:58378
MOISEEV, E. A. Effect of cystamine and magnesium on lambda phage induction by x rays, 22:47559
Effect of low x-ray doses on hypothalamo-hypophyseal system, 22:31260
MOISEEV, G. G. Attenuation of reactor radiations in serpentine sand, 21:10135
MOISEEV, I. Comparison of 8-mm solar radio features, 23:36437
MOISEEV, I. F. Comparison and analysis of the parameters of clinical whole-body spectrometers, 25:57823
Geometrical optimizations on apparatus for measuring the whole-body human radioactivity, 25:23817
MOISEEV, I. G. Catalogue of unusual phenomena in the solar radioemission, 24:17537
Method of observations of solar radio emission at 8 mm, 21:16709
New radiotelescope of the Crimean Astrophysical Observatory with the 22-m parabolic reflector, 23:6828
Observational method of solar radio emission bursts by sharp-directional antennas, 23:6852
Observations of 3C 273 radio source at 8 mm with maser, 25:35686
Observations of radio emission of sources 3C 273 and 3C 279 at 8 mm, 25:19376
Observations of some radio sources previously identified with clusters of galaxies, 22:7079
Radio emission from clusters of galaxies, 22:7078
Radio emission of Venus and Jupiter at 2.25 and 8 mm, 23:41906
Radio intensity variations of 3C 273 at 2.3 and 8.15 mm, 25:58524
Solar radio emission at 2.25 mm and 8.15 mm wavelengths, 23:46203
Solar radio emission bursts at 8 mm, 21:37007
Some properties of proton and non-proton flare regions, 21:16719
MOISEEV, I. T. Effect of introduction of sodium silicate and trisodium phosphate into soils on accumulation of ^{90}Sr in crops, 24:25361 (A-AC-82/G/L-1295)
Uptake of ^{90}Sr by crops, 25:39809
MOISEEV, N. N. Conference on optimization, Nice, 6—7/69, 25:43526
MOISEEV, P. A. Radioactivity of Marine life of far Eastern seas in 1958 following nuclear weapons testing, 21:8807 (AEC-tr-6641, pp 105-14)
MOISEEV, S. S. Asymptotic methods of hydrodynamic stability theory, 21:3898 (AEC-tr-6834)
Behavior of plasma produced by ohmic heating in "URAGAN" high shear stellarator, 24:26175 (CTO-677)
Effect of ion viscosity on destabilization of sonic oscillations in magnetized plasma, 21:29293 (NP-16768)
Effect of two-dimensional inhomogeneity in the initial parameters on plasma instability, 21:33485
Experimental research on nonlinear effects in the interaction of nonrelativistic and relativistic beams with a plasma, 25:38419 (CONF-710607-57)
Generation of second harmonics and decay processes in inhomogeneous plasma, 24:51759
Influence of initial plasma parameters on the instability of two-dimensional nonhomogeneous plasma, 22:5392
Influence of longitudinal density gradient on the transformation and emission of transverse waves from a beam-plasma discharge, 25:59104
Influence of temperature perturbations on the stability of plasma, 22:20028
Low-frequency hydrodynamic instability of a current-carrying inhomogeneous plasma, 24:1445
Low-frequency plasma instabilities, 21:44135
Nonlinear theory of interaction of relativistic and nonrelativistic beams with plasma, 25:38429 (CONF-710607-61)
Plasma stability in combined magnetic fields, 22:9404
Possibility of anomalous transformation of waves in plasma, 21:3899
Possibility of simultaneous transformation and channeling of energy in inhomogeneous medium, 25:33325 (MATT-Trans-103)
Role of the ion viscosity in the destabilization of acoustic oscillations of a magnetized plasma, 22:13517 (NP-tr-1607)
Second harmonic generation due to incidence of an electromagnetic wave on an inhomogeneous plasma, 23:16843
Singularity interaction of the various oscillation modes in the theory of plasma stability, 22:31869
Stability of a plasma in the presence of fluctuating parameters, 21:23231
Use of the variational method during investigation of dissipative instabilities in plasma, 24:40111
MOISEEV, V. V. Radioactivation analysis of silicon dioxide using ion-exchange chromatography, 22:12227 (AD-662383)
MOISEEV, V. Ya. Activation of machine components and mechanisms by charged particles used as a basis for continuous wear control, 22:2281
MOISEEV, Yu. N. Variation of corpuscular radiation intensity in the upper atmosphere at mean latitudes, 24:5079
MOISEEVA, I. S. Corrosion resistance, electrochemical and mechanical properties, and microstructure of Nb—Ta alloys, 23:8118
New corrosion-resistant zirconium—tantalum alloys, 24:34845 (LA-4413-TR)
New corrosion-resistant Zr—Ta alloys, 23:10170
MOISEEVA, M. P. Experimental and theoretical investigation of a gas discharge of plasma focus type, 25:38498 (CONF-710607-41)
Fine structure of plasma focus using method of multiperforated pinhole camera, 25:9412 (LA-tr-70-25)
Research on studying and increasing the plasma parameters on "non-cylindrical Z-pinch" equipment, 25:5116 (SC-T-70-4046)
MOISEEVA, V. V. Apparatus for the automatic accumulation (storage) and analysis of information in experiments with the synchrocyclotron, 25:31070
MOISEITSEV, P. I. Assessment of levels of irradiation of personnel, 23:6467
Conditions of work and the state of health in persons operating on reactors, 21:8835
Deactivation of surfaces contaminated with thorium isotopes, 25:21681
Evaluation of the level of occupational irradiation among medical workers, 22:49358
Labor conditions and state of health of persons working at research nuclear reactors, 22:6818
Levels of superficial irradiation of personnel working with different radiation sources, 23:38570
Radiational safety in the use of radioisotopic methods in engineering industry, 25:13467
Special features of departmental sanitary rules for working with natural radioactive materials in the rare metal industry, 25:52083
Substantiation of the choice of dosimetric and radiometric equipment used in sanitary hygienic investigations, 24:25488
MOISEITZEV, P. I. Results and purposes of medical supervision of persons working with sources of ionizing radiation in USSR, 25:52090 (A/CONF.49/P-439)
MOISEIWITSCH, B. L. Accuracy of second Born approximation, 22:29260
Accuracy of simplified second Born approximation, 24:5003
Application of Fredholm theory to elastic scattering, 24:17681
Application of simplified second Born approximation to scattering of electrons and protons by hydrogen atoms, 22:24048
Elastic scattering of zero-energy positrons by hydrogen and helium atoms, 22:24050
Electron impact excitation of atoms, 22:21904
Excitation of 6^1P_1 and 6^3P_1 states of mercury by proton impact, 22:29682
Forward elastic scattering of electrons by helium, 25:52648
Negative ions and shape resonances, 24:45054
Pade and Fredholm approximants in scattering theory, 25:9892
Virial theorem for variational functions in collision theory, 25:35871
MOISEL, Peter Electromagnetic apparatus for moving an absorbing rod in a nuclear reactor, 21:5715
MOISEYTSEV, P. I. Development of domestic radiation hygiene during the years of soviet power, 23:9931 (JPRS-44356, pp 65-75)
MOISIO, Tauno Cesium-137 and ^{131}I in Finnish milk from Sept. 1962 to Aug. 1963, 21:28478
MOISIU, M. Effect of ionizing radiation on the erythrocyte and reticulocyte metabolism, 24:6121
MOISSENKO, E. V. DNA role in cell initial radiation injury, 25:35197
MOISSET, J. NUDIAC applied to physics experiments and to nuclear measurements, 23:41113 (EUR-4289, pp 293-7)
MOISSEV, A. M. Methodical problems of $K^+p \rightarrow KN$/sub π/ reaction investigation at 3.5 GeV/c in 81 cm liquid hydrogen bubble chamber, 21:31528 (JINR-P1-3313)
MOISSIS, R. Study of bubble departure in forced-convection boiling, 22:27998
MOISSON, Nicole Table of isomers, 21:44658 (CEA-R-2830)
MOIZHES, B. Ya. Comparison of probe and optical methods for measuring low-temperature cesium plasma parameters, 23:8495
Development of the theory of low-voltage arcs in thermionic converters with dense plasma, 24:39910
Effect of patchiness and increases in cathode emitting area on thermionic converter characteristics, 25:35931
Ionization in plasma together with Maxwellization of free electrons, 23:10658
Kinetic reflection coefficient in formula of thermionic emission current from plasma, 21:35176
Low-voltage arc in a thermionic converter with a highly ionized plasma, 25:49775
Low-voltage arc in thermionic converters, 23:12612
Probe studies of a low-voltage cesium arc between emitting electrodes, 21:46322
Probe-method investigation of the plasma in thermionic converters with high Cs pressure. III, 21:15000
Saturation ion current to a probe at high and intermediate pressures, 24:49122
Spectroscopic measurements of the plasma parameters of a thermionic converter, 21:18492
Theory of low-voltage arc in cesium. III, 22:47864
Theory of near-electrode layer in a low temperature plasma, 23:5269
Theory of the electrode sheath in a low-temperature plasma, 24:3363
Transition from distributed emission to a cathode spot in an arc, 25:36112
MOIZHES, L. L. System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
MOJICA, Luis Jr. Determination of body water content, 23:21651
MOJOVIC, L. Site selection for nuclear power plants in Yugoslavia, 22:18435
MOJOVIC, Lj. Introduction of nuclear power plants into Yugoslavia's electric power system, 24:28902
MOJOVIC, Ljubomir Analysis of rentability of nuclear power plants, 25:60108
Criteria for choosing a location for the nuclear power station, 21:15682
Economic indexes of nuclear power plants, 21:19408
Economic indicators of HWR and LWR type nuclear power station fuel cycles, 22:14161
Estimate of the proposed nuclear power plant sites in Yugoslavia, 21:19409
Nuclear power plant, 500 MW BHWR, 22:25019
MOJOVIC, Ljumbomir Methods for analysis of rentability of nuclear power plants and their application in Yugoslavia, 24:26705
MOJZHES, L. L. Formation of secondary particles in IHEP accelerator, 24:30608 (CERN-Trans-70-2)
MOK, Chup Yew Exchange of I with substituted iodobenzenes, 23:24183
MOKADY, R. S. Tracers in diffusion experiments, 22:49030
MOKANU, O. V. Accumulation of ^{239}Pu and ^{210}Po by Ascophyllum nodosum and marine phytoplankton, 25:10941
MOKEEVA, N. P. Repair of chromosomes damaged by radiation in human cells in vitro, 21:45599
MOKEEVA, V. I. Crystal structure of ekanite ThK, 22:31407
MOKEROV, V. G. Electrical and optical properties of VO_2, 25:25235
Metal—insulator transition in V_2O_3 in a strong electric field, 24:46803

- Optical and electrical parameters of vanadium dioxide in a strong electric field, 25:50015
- Optical properties and band structure of vanadium dioxide and pentoxide single crystals, 23:46556
- MOKHARAVA, S. I. Effect of ionizing radiation on oxidative phosphorylation in tissue mitochondria, 22:16981
- MOKHIR, E. P. Application of a summing Compton spectrometer for studying resolution of NaI(Tl) monocrystals, 23:16138
  - Effect of optical characteristics of NaI(Tl) single crystals on their scintillation properties, 25:21393
  - Energy dependence of characteristic resolution of NaI(Tl) crystals, 22:38074
  - Possibility of measurement of optical characteristics of packed scintillators, 21:19913
  - Scintillators with incomplete optical contact, 23:45529
- MOKHNACH, A. V. Analysis of elastically scattered deuterons by means of stripping reactions, 21:25441
  - Polarization of deuterons elastically scattered on carbon, 22:35245
  - Polarization phenomena in ^{3}He(d,p)^{4}He reaction, 25:53566
- MOKHOREVA, S. I. Oxidative phosphorylation changes in cerebral hemispheres during neutron and x irradiation, 22:16994
- MOKHOSOEV, M. V. Differential absorptiometric determination of molybdenum in poorly soluble molybdates, 23:53
  - Investigation of system La$_2$O$_3$—MoO$_3$, 23:10286
  - Neodymium molybdates, 23:48525
- MOKHOV, Yu. I. Maximum permissible concentration of ultraviolet radiations in artificial lighting, 21:22750
- MOKI, Terutomi Design of facilities for production of ^{32}P, 24:31572
- MOKLER, P. Emission of negatively charged secondary molecular ions, 24:15161
  - Ion source for intense beams of negative heavy ions, 22:17393
  - Ion source for intense beams of negative heavy ions, 23:42792 (NP-tr-1829)
- MOKLER, P. H. Addendum to impact-parameter dependence of inner-shell vacancy production by heavy-ion bombardment, 25:7140
  - Energy shift of characteristic x rays induced in collisions between 15- to 60-MeV I ions and Mo, Yb, and Au targets, 25:35834
  - Impact-parameter dependence of inner-shell vacancy production by heavy-ion bombardment, 24:30140
  - Inner-shell-vacancy production by heavy-ion bombardment, 25:16759
  - Yield estimation for negative heavy ions, emitted from metal targets by heavy particle bombardment in the MeV-region, 25:17664
- MOKRI, B. Polarization detection of trapped electrons via interaction with polarized atoms, 25:40375
- MOKRONOSOV, V. S. Specific heat of vanadium and niobium carbides and their absorption spectra, 25:38014
- MOKROUSOV, V. A. Theoretical bases of radiometric enrichment of radioactive ores, 23:33248
- MOKROV, A. P. Properties and structure of deformed and annealed Mo, 22:706
- MOKROVA, A. M. Diffusion mobility of Mo, Mn, and Si, 23:27074
- MOKROVSKII, N. P. Microphones for recording several particles in the acoustic spark chamber, 21:39243
  - Spark chamber discharger controlled by low amplitude pulses, 21:39244
- MOKRUSHIN, A. D. Chemical interaction of positronium atoms with chlorine, 22:34279
  - Conversion of positronium atoms on O$_2$ and NO molecules, 21:43789
  - Formation of positronium in 1S and 2S states in oxides, 24:28087
  - Influence of dispersion on positron annihilation in metal oxides, 24:30152
  - Possible use of positron annihilation to study chemisorption, 25:18415
- MOKRUSHIN, S. A. Characteristics of magnetogasdynamic converter installations operating in Rankine cycle, 22:34327
- MOKRUSHIN, S. G. Separation of niobium and titanium by frothing method, 22:4262
- MOKRY, P. Reaction $\pi^- p \rightarrow \pi^0 n$ at 4.0 GeV/c, 23:27751
  - Status report on SMP: Heidelberg, 21:41247
- MOKRY, Premysl KONRAD: a real-time space reconstruction and kinematic interpretation of bubble chamber events from 10 image plane digitizers controlled by a PDP-7 computer, 21:16132 (CONF-660918-, pp 338-54)
- MOKSHANTSEV, B. B. Electrode erosion of pulsed plasma accelerators. II, 22:50191
  - Electrode erosion of pulsed plasma accelerators. I, 22:50190
- MOKSKI, D. J. Fluid systems design concept for a large gas-cooled fission—electric cell reactor space power plant, 21:35647 (N-67-19877)
- MOL, M. Isotopic analysis of U by an optical spectral method. III, 23:40561
- MOL, M. J. Magnet current stabilizer and scanner for mass spectrometer, 23:16175 (EUR-4183)
  - Mass-spectrum-digitizer for ATLAS type CH-4 mass-spectrometer, 21:8639 (EUR-3176.e)
- MOLANDER, David Hepatic gammascanning, 24:21243
- MOLANDER, Roger C. Structure of hydromagnetic ionizing shock waves, 24:8470
- MOLANDER, Roger Carl Structure of strong ionizing shock waves in the presence of electromagnetic fields, 22:50181
- MOLCHADZKI, A. Absolute transition probabilities in ^{193}Ir, 22:42078
  - Core excitation in ^{193}Ir, 22:44701
  - Excited states of ^{193}Ir populated by the beta decay of ^{193}Os, 22:37349
  - Lifetime determination of the 1902-keV 0$^+$ level in the closed neutron shell nucleus ^{140}Ce, 22:20639
- MOLCHANOV, A. A. Fission products migration in forest, 24:41788
  - Patterns of distribution of fission products deposited from fallout in forests of various areas of USSR, 24:25421 (A-AC-82/G/L-1302)
  - Radionuclide migration in forests and radiation effects on woody plants, 25:52011 (A/CONF.49/P-685)
- MOLCHANOV, A. G. Excitation of semiconductor lasers by x-ray and gamma radiation, 24:12882
- MOLCHANOV, A. P. Change in the radio spectrum of active regions with passage behind the solar limb, 22:36585
  - Physics of the solar system,' 21:11338 (NASA-TT-F-342)
- MOLCHANOV, O. A. Bursts of vlf radiation, 23:10571
  - Detection of perturbations of geomagnetic field in the magnetosphere, 25:9346
  - Possible generation mechanism of precursors of whistlers, 25:47424
  - Structure in magnetosphere during recovery phase of a magnetic storm, 23:20817
  - Vertical distribution of electron concentration in the magnetosphere according to whistler data, 22:24132
  - Whistler characteristics in disturbed magnetic field of the magnetosphere, 23:20820
- MOLCHANOV, V. A. Amorphization of crystals by ion bombardment and mechanisms of secondary processes, 25:59175
  - Anisotropic spatial distribution of ions scattered by a single crystal, 25:13970
  - Dependence of anisotropy of secondary ion—electron emission on ion energy, 25:38135
  - Dependence of the ion—electron emission coefficient on the angle of incidence, 21:11456
  - Dependence of the sputtering coefficients of polycrystalline targets on the angle of incidence of ions, 22:21870
  - Effect of radiation target damage on angular regularities, 23:44530
  - Effect of thermal lattice oscillations on the anisotropy of the sputtering coefficient and of the ion-electron emission coefficient of single crystals, 22:29196
  - Energy dependence of secondary-electron emission in crystals, 25:59146
  - Energy distribution of light ions scattered by solid surfaces, 22:45955
  - Influence of the thermal vibrations of the crystal lattice upon the energy distribution of scattered ions, 21:11455
  - Influence of thermal oscillations on anisotropy of sputtering coefficients, 22:43942
  - Influence of thermal vibrations of the crystal lattice on the coefficient of secondary emission of electrons by ions, 21:16989
  - Ion scattering by crystals, 21:23286
  - Ion—electron emission coefficient and energy spectrum of secondary electrons, 23:44158
  - Mechanism of ion scattering by crystals, 25:9556
  - Multiple collisions in the scattering of ions by crystals, 21:37582
  - Observing defects annealing in crystals, 22:1307
  - Scattering of ions by crystals, 21:606
  - Some regularities of ion-beam interactions with semiconductors, 22:26232
  - Spatial and energy distributions of ions scattered by crystal, 23:48968
  - Spatial and energy distributions of ions scattered by crystals, 24:42528
  - Structure of the secondary electron energy spectra, 22:29213
- MOLCHANOV, Yu. D. Electronic devices operated with electrostatic accelerators, 22:50504
  - Energy of ions emitted from a high-frequency source, 21:7605
  - Nanosecond pulsed ion source, 21:7602
  - Tubes for low-noise preamplifiers, 22:36146
- MOLCHANOVA, E. I. Radioresistance of E. coli K-12, 25:42330
- MOLCHANOVA, E. K. Effect of O on Ti alloy, 23:22549
- MOLCHANOVA, I. V. Behavior of ^{144}Ce in soil, 24:7772
  - Distribution of ^{90}Sr and ^{137}Cs in soil and vegetation cover of tundra, 25:37497
  - Plant uptake of ^{91}Y and ^{144}Ce from nutritive solutions and soil, 24:7714
  - Purification of water from ^{137}Cs, 23:6481
- MOLCHANOVA, K. A. Changes of skin after radium therapy of larynx, 22:49525
- MOLCHANOVA, L. V. Structure and properties of beryllium—lanthanum alloys, 21:31012
- MOLCHANOVA, M. G. Leukocytes with degenerative disturbances in chronic irradiation of animals, 23:22350
- MOLCHANOVA, V. A. Agricultural pests sterilized by gamma-radiation, 23:10128 (JPRS-47070)
  - Development of research in sterilization techniques for agricultural insect pests in USSR, 24:32300
  - Use of γ radiation for sterilization of insect pests of crops, 24:935
  - Using gamma rays for sterilization of harmful insects, 22:43510
- MOLCHATSKII, L. S. Calculation of Λ-Σ^0 and ω-rho mass differences, 24:24386
- MOLDABAEV, E. K. Study of large-area, flat scintillation detectors, 25:57828
- MOLDAN, B. Determination of strontium in silicates, carbonates, and sulfates by atomic absorption spectroscopy, 25:41735
- MOLDASCHL, H. Neutron spin-flip chopper for time-of-flight measurements, 24:9685
  - Neutron spin-flip chopper, 22:10586
- MOLDAUER, P. A. Analog fine structure and asymmetry, 25:28468
  - Average resonance widths in single-channel scattering, 23:25945
  - Averaging methods in nuclear reaction theory, 24:1894
  - Comment on resonance averaging, 25:31450
  - Effects of T violation in nuclear reactions, 22:14106
  - Flux conservation in resonance reactions, 22:20765
  - Interfering resonances, 22:50657 (ANL-7467)
  - Interfering resonances, 23:15731 (ANS-RPD-1, Paper 4)
  - Neutron single particle levels in Wood—Saxon potential, 23:13339
  - R-matrix shell-model calculations, 25:12423
  - Resonance widths and spacings: their averages and distributions, 22:42117
  - Scattering resonances and the R function, 24:52702
  - Statistical theory of intermediate resonances, 21:15631
  - Strong absorption and direct effects in compound reactions, 22:27374
  - Sum rule for resonance reactions, 22:1720
  - T-violation and detailed balance in direct reactions, 22:32688
  - Theory of neutron cross sections for shielding, 24:6580
  - Unitary models of nuclear resonance reactions, 21:31875
- MOLDAUER, Peter A. MATDIAG: program for computing multilevel S-matrix resonance parameters, 24:8882 (ANL-7590)
- MOLDENHAUER, W. Investigations on semiconductor surfaces by desorption spectroscopy, 21:34449
- MOLDENHAWER, F. Activity loss in handling aqueous ^{131}I solutions, 21:1412
  - Activity losses in handling aqueous solutions of ^{131}I, 24:2256 (ORNL-tr-1660)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. II, 24:46592 (SZS-10/70)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. III, 24:48469 (SZS-11/70)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. III, 24:50802 (SZS-12/70)
  - Conference on surveillance of radioactive contamination of environment, Berlin, 6/69. I, 24:50947 (SZS-9/70)
  - Results of radiation protection monitoring in the biosphere of fallout radioactivity in the German Democratic Republic, 1969, 25:37791 (SZS-1/71)
- MOLDOFSKY, P. J. Counting plutonium in the tracheobronchial lymph nodes, 25:46815 (BNWL-SA-3759)
  - In vivo measurement of plutonium and other very low energy emitters, 25:57770
- MOLDOFSKY, Philip J. Avalanche type semiconductor radiation detectors, 24:50551 (NYO-3246-TA-7)
  - Prog. rpt. on Avalanche type semiconductor radiation detectors, semiannual, 7—12/70, 25:29327 (NYO-3246-TA-8)
- MOLDOVAN, V. I. Effect of etonium on redox processes in radiation ulcers of the skin, 24:32049
- MOLDOVANU, A. Forbush microdecreases in the cosmic-ray intensity, 25:43172
- MOLDOVANU, Graziella Canine lymphosarcoma maintained in serial passage, 23:33655
- MOLDOVEANU, S. Determination of C nucleus radius by interaction with π^- at 7 GeV, 25:36408
- MOLDOVER, M. R. Scaling of specific-heat singularity of ^{4}He near its critical point, 23:30465
  - Specific heat of ^{3}He—^{4}He mixtures very near lambda line, 23:51538
- MOLDOVER, Michael Robert Investigation of the specific heat of helium in the neighborhood of the critical point, 21:33354
- MOLDOWAN, J. Michael Dynamic sterochemistry: a comparator for electron impact and pyrolytic elimination of acetic acid from acetates, 24:31332
- MOLE, B. J. Radioimmunoassay for ovine luteinizing hormone, 23:35592
- MOLE, R. H. Allogeneic lymphoid cell disease in mid-lethally irradiated CBA mice, 23:22238
  - Anemia in sublethally irradiated mice given allogeneic lymph node cells, 22:10882
  - Delayed mortality after mid-lethal exposures to whole-body irradiation and its modification by treatment with syngeneic lymph-node or bone-marrow cells, 21:20306
  - Endosteal sensitivity to tumor induction by radiation, 23:38852
  - Evaluation of risks from late somatic effects, 24:23393
  - Induction of bone tumors by ^{226}Ra, ^{239}Pu, and ^{90}Sr, 21:10904
  - Kinetics of recovery during the first few weeks after whole-body x-irradiation of mice, 21:20373
  - Late effects of exposure to ionizing radiation, 25:42605
  - Radiation effects in man: current views and prospects, 25:42712
  - Radiation-induced breast cancer, 24:42001
  - Radiosensitivities of cells from which radiation-induced skin tumours are derived, 23:20400
  - Relevance of intracellular damage to effects in the complex organism, 22:45490
  - Skin tumor incidence in exposures to low-energy beta particles, 23:48204
  - Yttrium-90 in gonads of monkeys containing ^{90}Sr, 24:25384
- MOLEA, M. Angular correlation measurements in the ^{11}B(p,n'γ)^{11}C reaction for E/sub p/ = 7.8 MeV, 22:3606 (IFA-CRD-35)
  - Angular distribution of neutron polarization from ^{11}B(p,n)^{11}C reaction, 21:21427
  - Angular distribution of neutron polarization from ^{11}B(α,n)^{14}N reaction, 24:10915 (IFA-CRD-40)
  - Angular distribution of the neutron polarization from ^{11}B(α,n)^{14}N reaction, at low energy, 24:45759
  - Fast electronics for fast neutron spectrometry for the cyclotron, 23:30853 (IFA-CRD-37)
  - Mass number dependence of level density parameter in (α,n) reactions, 23:42881
  - Neutron polarization from ^{11}B(α,n)^{14}N reaction at low energies, 25:53635
  - New experimental data for neutron polarization from ^{11}B(α,n$_0$)^{14}N reaction, at low energies, 25:28192
  - Nuclear temperatures in (α,n) reactions, 22:37377
  - Polarization of neutrons from the ^{11}B(p,n)^{11}C reaction, 21:29898

  Statistical emission and nuclear level densities in (α,n) reactions, 24:13328
  Sweeping system for the cyclotron external beam, 23:42816
MOLEAS, C. N. Memory and logic circuits developed as part of an AGR power station control study, 24:38399
MOLEN, G. Prog. rpt. on plutonium passive assay facility plant instrumentation program, 4—6/70, 25:6515 (BHO-66-1)
MOLEN, G. F. Dissolution of Pu-bearing residues in nitric acid—Ca fluoride solvent system, 21:5997 (RFP-776)
  Effects of acid concentration and feed-particle size on the dissolution of plutonium-bearing materials, 22:18867 (RFP-890)
MOLEN, Garrel F. Dissolution of plutonium oxide, 21:38930 (RFP-922)
  Properties of plutonium oxide. II, 21:34962 (RFP-927)
  Static reactor reduction of plutonium hexafluoride with iodine and hydrogen, 22:48899 (RFP-993)
MOLENAAR, J. RAGA: a Monte Carlo program for calculation of gamma-ray transport in a reactor shield for multi-region slab geometry, using exponential transformation, 25:57026 (RCN-146)
MOLER, R. B. Fast neutron spectrometer of advanced design, 23:26560 (N-69-15750)
  Neutron spectrometry for critical assemblies, 22:47360 (IITRI-578-P-31-2)
MOLER, Robert B. Neutron spectrometry in the presence of high gamma-ray fields, 25:39732
  Prog. rpt. on development of neutron spectrometry for critical assemblies, 6—12/66, 21:14430 (IITRI-578-P-31-1)
MOLESE, V. Limits of scintigraphic visibility of hepatic nodules, 24:32064
MOLGATINI, J. P. Measurement of Ra and Rn contents in natural waters, 25:48610
MOLHO, N. Direct-reaction mechanism (p,α) in light nuclei, 24:30697
  Fission fragment angular distribution in proton-induced fission of ^{209}Bi, 24:26648
  Fission of ^{210}Po, 25:15010
  Reactions (p,α) on light nuclei at 38 MeV proton energy, 22:26893
  Shell effects on level density in near doubly magic nuclei, 24:8949
  Study of (p,α) reactions in light nuclei at 38 MeV, 23:19195
MOLHO, S. Concerning an ordered solid solution of beryllium in U_3Si_2, 25:8947
  Ordered solid solution of Be in U_3Si_2, 25:8888
MOLIBE, D. Effects of pulmonary lavage on the retention of particles of plutonium oxide, 25:42368 (LF-tr-53)
MOLIN, Aake Ringhals Nuclear Power Station, 24:22243
MOLIN, Ake Ringhals nuclear power station, 23:45030
MOLIN, Bjoern Radiation lesions of spinal cord, 22:10850
MOLIN, G. A. Nitrogen-13, ^{11}C, and ^{18}F isotope yields under charged particle irradiation of C and O, 23:44845
  Yields of ^{11}C, ^{13}N, ^{18}F isotopes used for the detection of C, N, O, and neighboring light element impurities by activation analysis, 25:15556
  Yields of ^{11}C, ^{13}N, and ^{18}F on irradiating nitrogen with protons, deuterons, ^{3}He ions, and alpha particles, 24:45757
  Yields of ^{18}F on irradiating Na, Mg, and Al with ^{3}He ion and on irradiating Na with alpha particles, 24:43985
MOLIN, Yu. N Possible explanation of the protective action of polyanions and cysteine in radiolysis based on the mechanism of energy transfer, 22:2143
MOLIN, Yu. N. Chemical reactivity of some cyclic ketones in α—H exchange reaction, 23:9400
MOLINA, D. Collision of H ions with water-vapor target, 24:51431
MOLINA, Daniele Charge exchange and electron loss for H_1^+, H_2^+, H_3^+ ion interactions with water vapor, 24:15147 (NP-18130)
  Study of high-energy atomic and molecular H beams, 24:19764
MOLINA, F. Geomagnetic, auroral, ionospheric and cosmic-ray perturbations, 22:1066
MOLINA, R. Cadmium determination in thorium nitrate by linear chronoamperometry with anodic redissolution, 21:5781
  Determination of cadmium in thorium nitrate by linear chronoamperometry with anodic redissolving, 22:33265
  Determination of Cd in thorium nitrate by chronoamperometry, 22:33218
MOLINA, Roger Polarography applied to determination of uranium oxide composition, 21:23817 (CEA-R-3186)
MOLINA BERBEYER, Rafael Determination of strontium and rubidium for calculation of geologic ages, 24:16687
MOLINA-RAMOS, J. Cesium-137 in rainwater and milk in Australia during 1967, 23:7646
  Concentrations of ^{137}Cs in rainwater and milk in Australia during 1966, 22:23169
  Concentrations of ^{137}Cs in rainwater and milk in Australia during 1968, 24:34192
  Concentrations of ^{210}Pb in rainwater in Australia, 1964—67, 23:38105 (CXRL-10)
  Concentrations of radioactive isotopes in Australian surface air, 5/65—12/67, 25:46817 (CXRL-9)
  Strontium-90 and ^{137}Cs in some Australian drinking water supplies: 1961—1965, 22:8215
MOLINARI, A. Application of the chiral algebra to the pion—nucleus elastic scattering, 23:32733
  Collective 0^- vibrations in even spherical nuclei with tensor forces, 22:7716
  Correlation effect on unique forbidden decays, 24:49768
  Effect of Pauli principle on electric quadrupole effective charge, 22:30099
  From soft to real pions in nuclei and extended systems, 23:32767
  Isovector potential in ^{208}Pb from partial muon capture, 25:59808
  Monopole states in ^{40}Ca, 23:7248
  Nonstatic correlations to the high-energy nuclear electron elastic scattering, 25:25456
  Nonstatic second order contribution to the elastic electron—nucleus scattering, 25:39109
  Particle-vibration coupling in ^{209}Bi, 23:21359
  Phonon excitations in liquid He II, 25:40507
  Spin vibrational 1^+ states in ^{208}Pb, 22:16034
MOLINARI, Alfredo Isotope effect and the density-dependent nucleon—nucleon interaction, 22:42087
MOLINARI, E. Ar—N plasma at atmospheric pressure, between 5,000 and 35,000 °K, 23:36685
  Determination of high-temperature thermodynamic properties of rare gases, 25:17180
  Equilibrium compositions and thermodynamic properties of mixed plasmas, 25:25104
  Equilibrium compositions and thermodynamic properties of mixed plasmas. II, 25:36104 (NP-18772)
  Equilibrium properties of He—N_2, Ar—N_2, and Xe—N_2 plasmas, 24:47227
MOLINARI, G. Radioactive contamination of fallout in foods. III, 21:8817
  Radioactive contamination of foods by fallout. II, 21:1748
MOLINARI, G. F. Serial brain scanning using /sup 99m/Tc, 22:16982
  Serial brain scanning using /sup 99m/Tc, 22:49460
MOLINARI, J. Application of integration method to detection of water-borne ^{51}Cr—EDTA and radon on activated carbon, 22:19075
  Localization of leakages from a large reservoir using radioactive tracers, 22:19071
  Theoretical and experimental study of thermal neutron fluxes in hydrocarbons and application of results to measurement of their density and composition, 22:39980 (EUR-3624)
  Use of radioactive tracers in studying the dispersion of contaminating elements in the sea, rivers, and lakes, 22:14696
MOLINARI, Jacques Determination of discharges of watercourses and polluted effluents, 24:301
MOLINARI, M. A. Assay of luminescent borazine and borazarene derivatives as slow neutron scintillators, 21:32476
  Development of a detector of germanium compensated with lithium, 23:47764
  Tests of derivatives of borazine and borazarenes as scintillators for slow neutrons, 22:37974 (CNEA-206)
MOLINARI, Marcelo A. Radiolysis and photolysis in the adsorbed state, 23:9474
MOLINARI, Roberto Lymphoreticular sarcomas with primary involvement of Waldeyer's ring. Clinical evaluation of 225 cases, 24:44562
MOLINARI, V. Electrical conductivity of a partially ionized gas in presence of a magnetic field, 24:47251
  Electron temperature distribution in a plasma diode, 22:34325 (RT/FI-(68)7)
  Exact solution to the three-dimensional transport equation for monoenergetic neutrons, 23:19123 (RT/FI-(68)43)
MOLINARI, V. G. Convergence of integral transform method in monoenergetic neutron transport theory, 24:33524
  Endomorphism of Lebesque space Lp(p > 3) in three-dimensional problem of neutron transport theory, 24:40540 (RT/FI-(70)6)
  Heterogeneous methods in neutron transport theory, 23:7210 (RT/FI-(68)30)
  Monte Carlo analyses of time-dependent neutron thermalization in organic moderator, 22:30382
  Neutron thermalization in polycrystalline material by Monte Carlo method, 25:56619 (RT/FI-(70)49)
  Neutron transport equation for heterogeneous systems, 23:36758
  Scattering and scattering cooling coefficient in organic moderators, 21:21694
  Scattering and spectrum of thermal neutrons in organic moderators, 21:21699
  Thermoelectric theory of a plasma diode, 21:15008
  Time-dependent neutron thermalization by Monte Carlo method, 21:29857
  Transport coefficients of thermal neutrons in a proton free gas, 24:30669 (RT/FI-(70)3)
  Transport theory for monoenergetic neutrons in finite convex geometries, 24:33525
MOLINARI, Vincenzo G. Effect of the hydrogen bond on nuclear parameters, 22:50819
  General theory of neutron moderation, 22:50514
  Riemann—Hilbert boundary value problem in neutron transport theory, 23:44818
  Solution to the Boltzmann equation for monoenergetic neutrons in a slab, 25:17670
MOLINART, R. Association of intralymphatic radiotherapy and alkylating agents in the treatment of retroperitoneal hematosarcomas, 22:51831
MOLINATTI, G. M. Radioimmunoassay of human growth hormone, 24:44398
MOLINE, A. Search for fractionally charged particles in cosmic rays near sea level, 21:29449
MOLINE, R. A. Charge exchange cross sections for electron loss from B^+, P^+, and N^+ on N_2, 25:30300
  Hyperfine fields of F in Ni and Gd, 22:46726
  Ion-implanted phosphorous in silicon: profiles using C—V analysis, 25:45554
MOLINE, Robert Alan Parity purity of 110-keV gamma decay of ^{19}F, 24:15795
MOLINEAUX, H. F. Herald research reactor water treatment and corrosion, 22:28743
MOLINET, Frederic Electron distribution function of Lorentzian plasma, 24:3369
  Solution of Boltzmann equation for electron distribution function of weakly ionized gas, 23:20916
  Transformation of Boltzmann equation for electronic component of a weakly ionized gas, 23:18653
MOLINIER, R. Applications and developments of certain special metals, 22:36445
  Applications of Ti, Zr, Ta, Nb, and Be, 24:4745
  Novel high-strength titanium alloy, 25:55421
MOLINIER, Rene Composition and method for the preparation of products of molybdenum carbide, 21:11291
MOLINO, G. Kinetics of ^{131}I-rose bengal in diagnosis of cirrhosis, 23:24686
MOLINO, M. Developmental study of induced somatic mutations in Gladiolus, 23:16271
MOLINSKI, Victor J. Geographic characterization of chromium ore deposits by elemental analysis, 23:49
  Rapid radiochemical separation procedures for activation analysis indicators, 21:12297
  Urinalysis for ^{235}U and ^{238}U by activation analysis, 21:6502
MOLITOR, Alain Electron density of xenon plasma by laser interferometry and spectroscopy, 25:9422
MOLITOR, F. Operating experience with BWR control rods of Lingen Nuclear Power Station, 24:28874
MOLITOR, Robert L. Radiation detector for wide-temperature-range operation, 23:19961
MOLJK, A. Acceleration controlled drive with constant acceleration for Moessbauer experiments, 21:8595
  Electron capture in ^{40}K, 22:5802
  The k-shell fluorescence yield of phosphorus, 22:17392
MOLJK, Anton Bases of future work in nuclear energy, 22:16167 (JPRS-44180)
  New determination of the x fluorescence yield of the K shell of Cl, 21:24897
MOL'KOV, A. G. Internal contamination in a region of radioactive fallout, 21:26428
MOLL, A. Investigation of scattering of fast neutrons by time-of-flight method by means of a Van de Graaff accelerator, 21:31770 (BMwF-FBK-67-04)
MOLL, E. Coincidence measurements of $^{183}Ta \rightarrow {}^{183}W$ decay using an Fe free orange-type beta spectrometer, 21:2723
  Core storage scintigraphy, 22:49405
  Early form of the horomone phase in the radioiodine test, 24:50970
  Failure by the thyroid gland to accumulate /sup 99m/Tc, 22:23583
  Iodine-125 absorption in finger bones as measured by scanning, 24:768
  Low-energy gamma-emitters for scintigraphy, 22:38337
  Mass spectrometer for the investigation of fission products, 25:44719 (BMBW-FBK-70-28, pp 241-54)
  Measurement of bone density with ^{125}I-profile-scanner, 25:35171
  Pertechnetate-99m localization in man, 21:34562 (BMwF-FBK-66-33)
  Radioautographic determination of /sup 99m/Tc, 22:45451
  Salivary gland scintigraphy with /sup 99m/Tc-pertechnetate, 22:31183
  Sensitive method for separate calculation of mineral content in cancellous and compact bone of the finger by a ^{125}I profile scanner. Effect of calcium and fluoride therapy on demineralized bone, 25:4636 (CONF-700515-, pp 169-87)
  Significance of /sup 99m/Tc for nuclear medical localization diagnosis, 22:31194
MOLL, G. Nuclear electronics: pulse amplifier and differential discriminator with integrated circuits, 22:19201
  Scaler or buffer storage for higher resolution in pulse counting equipments in radiation measurement, 21:10705
MOLL, H. Absorption of ^{45}Ca from intestinal tract of rat, 25:10512
MOLL, John H. Heat treatment of 706 Alloy, 25:55554
  Microstructure of 706, a new Fe—Ni-base superalloy, 25:55553
MOLL, K. Special features of conventional part of KWL, 22:30213
MOLL, Kendall D. Postattack farm problems. II, 21:9005 (AD-629139)
MOLL, Sheldon H. Electron microprobe study of refractory metal carbides, oxides, and silicides, 23:6735
MOLL, W. 900-MW Philippsburg Nuclear Power Plant with AEG Boiling-Water Reactor, 24:40724
MOLLA, N. I. Solid state detectors and their fabrication, 23:2574
MOLLA, N. Islam ^{10}B slab detector for total neutron cross-section measurements, 25:51863
MOLLA, S. A. Mutagenic effect of gamma rays on the immature and mature sperms of silkworm, Bombyx mori, 23:6407 (AECD/RB-8)
MOLLAH, M. S. Alam Experimental population of Drosophila melanogaster raised on irradiated banana diet, 22:43508
  Population of Drosophila melanogaster raised on irradiated banana diet, 21:32755
MOLLAH, S. A. Radiation susceptibility of flour beetle Tribolium confusum, 23:6560
  Sericulture and role of atomic energy for its improvements, 21:4667 (AECD/RB-3)
  Stimulating effect of low dose gamma radiation on larvae of silk worm, 23:6559
MOLLARD, J. Heat transfers in cryogenic media liquid helium. summary of experimental results, 25:47486 (LA-tr-71-49)
MOLLARET, H. Preparation and testing of radiovaccines, 22:52086
MOLLE, Raoul Desire Joseph Nuclear reactors, 23:37486
  Nuclear reactors, 23:52495
MOLLENAUER, J. F. Analysis of reaction $d + p \rightarrow p + p + n$, 22:20443
  Extraction of 2-body parameters from kinematically complete 3-body experiments, 22:26811
  Growth of a laboratory computer system for nuclear physics, 23:29264
  Helium-3 + p elastic scattering from 12.6 to 15.4 MeV, 21:35409
  Proton—neutron final-state interaction, 24:15783
  Spectator poles in few-nucleon systems, 22:20769
MOLLENAUER, James F. Coincidence resolving time improvement by energy-time correlation, 21:32475

Generations one and two: nuclear physics experience with on-line computers, 21:32530
MOLLENAUER, L. F. Achievement of significant nuclear polarizations in solids by optical pumping, 22:20073
Polarization of ^{19}F in $Tm^{2+}:CaF_2$ in optical pumping, 22:48156 (UCB-34-P-20-2)
MOLLENAUER, Linn F. Method and apparatus for enhancement of nuclear polarization by optical pumping in solids and liquids, 25:33913
MOLLER, Bjerrum Magnon interactions in terbium, 24:24161
MOLLER, Goran Regulation of cellular antibody synthesis, 22:23477
MOLLER, K. D. Far-infrared torsional vibration spectrum of CD_3CD_2Cl, 21:42948
MOLLER, P. Hexadecapole equilibrium distortions of nuclei, 22:20607
Nonperturbative treatment of P_3 degree of freedom of nuclear potential, 24:3980
MOLLERUS, B. B, V photometry of Nova HR Delphini, 1967, 24:4903
MOLLERUS, F. J. Jr. Manual for computer piping flexibility analysis program, 21:10500 (HW-74976)
MOLLICA, Guido Carrier for transportation of radioactive materials, 22:51214
Machine tool for cutting coaxial tubes of a pressure-tube reactor, 23:38153
MOLLIER, Y. Preparation and infrared (1700-1400 cm^{-1}) study of some ^{18}O-enriched α-(dithiol-1,2-ylidene-3) alkanones, 24:29294
MOLLIHAN, William V. Radiotherapy in treatment of brain tumors, 21:34691
MOLLIMARD, D. Study of the oxidation of Nb, 25:19177
MOLLIMARD, Daniel Oxidation kinetics of niobium—titanium alloys, 25:35282
Oxidation of polycrystalline Nb samples, 25:35280
MOLLIN, D. L. Vitamin B_{12} absorption using labeled cobalamins, 22:45434
MOLLOT, F. 35°K annealing in electron-irradiated n-type Ge, 24:1475
Behavior of primary defects in electron-irradiated germanium, 25:22606
Vacancy—interstitial pair in electron-irradiated germanium, 25:56330
MOLLOW, B. R. Quantum statistics of coupled oscillator systems, 22:3233
Quantum theory of field attenuation, 22:26704
Quantum theory of parametric amplification. I, 21:42445
Quantum theory of parametric amplification. II, 21:42444
Quantum-mechanical harmonic oscillator under a random quadratic perturbation, 25:1340
Two-photon absorption and field correlation functions, 23:6882
MOLLOY, H. R. New technique for nuclear emulsion studies: inclined stages, 23:43546
MOLLOY, J. Rough tube friction factors and heat transfer coefficients in laminar and transition flow, 21:28149 (AERE-R-5415)
MOLLWO, E. ZnO crystal as sensitive and selective detector for atomic hydrogen beams, 22:2357
MOLLWO, L. Dispersion and radiation characteristics of plasma, 21:27106 (CONF-660452-1)
Interpretation of Type I- and IV mB-bursts and noise storms, 24:28028
Wave propagation in warm plasma and spectrum of solar radio bursts, 25:55755
MOLMAR, P. Small earthquakes and explosions in western North America, 24:11716
MOLNAR, Andreas Effect of nandrolon-decanoate and iron preparation on the hemogram of irradiated patients, 25:55303
MOLNAR, B. Condensed aqueous systems by Moessbauer effect, 21:33119 (KFKI-9/1967)
Condensed aqueous systems by Moessbauer effect, 22:46255
Preparation of ^{57}Co Moessbauer sources, 21:39140
MOLNAR, F. Anion-exchange adsorption of Gd and Eu by IRA-400 amberlite from water—methanol solutions containing neutral nitrates, 21:8413
Anion-exchange behavior of rare earths in aqueous methanol solutions. II, 21:14297
Anion-exchange behavior of rare earths in aqueous methanol solutions. I, 21:14296
Collective levels of type I^{+} $K = 0^{+}0$ in ^{164}Er nucleus, 22:9861
Concentration and determination of rare earth impurities in an yttrium matrix, 25:54525
Concentration of all rare earth impurities in rare earth matrices of the cerium subgroup, 22:33496
Concentration of rare earth impurities of cerium subgroup matrices, 23:13830
Concentration of rare earth impurities of Ce subgroup by anion-exchange, 23:45387
Decay chain of $^{138}Nd \rightarrow {}^{138}Pr \rightarrow {}^{138}Ce$, 22:3695 (JINR-P6-3541)
Decay of ^{159}Ho, 22:13995 (JINR-P6-3634)
Level scheme of ^{143}Sm, 21:7789
Production of neutron deficient rare earth isotopes from Gd and Nd irradiated with 680-MeV protons, 22:33391
Search for positons in the decay of ^{143}Pm, ^{144}Pm, and ^{146}Pm, 21:4287
Study of decay of ^{143}Sm, 25:20465
System of collective levels of $I \pi K = 0^{+}0$ type in ^{164}Er nucleus, 21:1073 (JINR-P-2820)
MOLNAR, Ferenc Concentration and determination of rare earth impurities in yttrium matrix, 23:17364
Measurements of decay of ^{143}Sm by Ge/Li/gamma-spectrometer, 22:14018
New aspects of chemical separation in neutron activation analysis, 23:19679
MOLNAR, H. Excited lines in H and K region of Ca II in flare on Mar. 12, 1969, 25:19412
MOLNAR, I. Effect of γ irradiation (^{60}Co) on pupae of B. mori L, 21:13021
Sterilization of catgut by ionizing radiation, 22:52088
MOLNAR, Iren Electrodeposition of carrier-free tantalum isotopes, 25:37444
Electrolysis of carrier-free iridium and platinum isotopes, 25:51539
Electrolysis of carrier-free osmium isotopes and a novel method for their concentration, 25:51538
Electrolysis of carrier-free tungsten and rhenium isotopes, 25:37445
MOLNAR, J. Decay of ^{173}Ta, 25:36727 (JINR-P6-5704)
Electrodeposition of carrier-free tantalum isotopes, 25:37444
Electrolysis of carrier-free tungsten and rhenium isotopes, 25:37445
Investigation of the ^{173}Hf excited states in the ^{173}Ta decay, 25:23025 (JINR-P6-5434)
Life-time measurements of excited states in ^{182}Re, 23:25902 (JINR-E6-4311)
MOLNAR, Joszef Electrolysis of carrier-free osmium isotopes and a novel method for their concentration, 25:51538
MOLNAR, Jozsef Electrolysis of carrier-free iridium and platinum isotopes, 25:51539
MOLNAR, L. Continuous measurement of the activity concentration of radioiodine in air, 25:37578 (KFKI-71-13)
Treatment of viral inflammation of cornea by UV irradiation, 22:19389
Uv-ray treatment of virus-caused corneal inflammations, 22:15042
MOLNAR, M. Body burden of persons working with Pb, 21:26460
MOLNAR, Michael R. The r-process in a hydrodynamical model of the helium flash, 25:9037
MOLNAR, Michael Robert B-type stars with discrepant colors, 25:55701
MOLNAR, P. Reply to Thirlaway, 24:22821
MOLNAR, Peter Microearthquake activity before and after the nuclear explosion Benham, 24:20911
P-wave spectra from underground nuclear explosions, 25:57599
MOLNAR, S. Calcium-45 activity in body of living pigs, 24:44467
MOLNAR, S. P. Oxibase scale and displacement reactions. XVIII, 23:9388
MOLOCHKINA, E. M. Elementary reactions of some radioprotective substances in oxidized models, 22:28371
MOLOCHNIKOVA, N. P. Analytical chemistry of protactinium. I, 23:402
Concentrating Am and Cm and their separation from Pu and fission products using chelating resin, 25:46549
Extraction of benzeneseleninates of protactinium and other elements by isoamyl alcohol, 22:12414
Protactinium extraction with the use of di-2-ethylhexyl phosphoric acid, 22:33493
MOLOCHNOVA, V. A. Deuterium content in natural waters, 22:40212
MOLODENSKII, M. M. Derivation of the electron energy distribution from a synchrotron-radiation spectrum, 23:51226
Force-free model for the magnetic field of a sunspot, 21:11359
Integral properties of force-free fields, 23:16612
Stokes parameters for synchrotron radiation, 24:15067
Synchrotron radiation in a dipole magnetic field, 21:24985
MOLODKIN, A. K. Action of aliphatic amines on thorium dioxalate, 25:44355
Compounds of thorium tetranitrate with the nitrates of aliphatic amines, 25:44356
Infrared absorption spectra of complex thorium formates, 21:35929
Infrared absorption spectra of complex formates of thorium, 24:25026 (RFP-Trans-63)
Infrared absorption spectra of thorium sulfate compounds, 21:19620
Infrared absorption spectra of thorium disulfite and its thermal decomposition products, 21:25851
Interaction of certain compounds of thorium with dimethyl sulfoxide, 25:34565
Interaction of thorium tetrabromide hydrate with dimethyl sulfoxide, 22:33321
Investigation of certain carbonate complexes of thorium by the method of infrared-spectroscopy, 24:16496
Investigation of the carbamidosulfate and carbamidooxalate compounds of thorium by the method of infrared spectroscopy, 23:33174
Investigation of the complex formate compounds of thorium by the method of infrared spectroscopy, 22:37764
Isomorphism of thorium and uranium(IV) tetraacetates, 22:16543
Magnetic susceptibility of some thorium compounds, 22:27669
Preparation and several properties of $K_4Th(HPO_4)_2(C_2O_4)_2\ 6H_2O$, 24:27055
Properties of complex aquosulfite compounds, 22:8074
Reaction of thorium halides, nitrates, formates, and isothiocyanates with carbamides, 21:42931
Spectra tetrahalide and nitrate complex compounds of Th, 23:24166
Structure of $K_4[Th(SO_4)_4(H_2O)_2]$ crystals, 21:3066
Synthesis and some properties of complex formate compounds of thorium, 22:33322
Synthesis of certain urea-containing thorium compounds in the absence of solvent, 23:4632
Synthesis of thorium oxalate compounds, 23:4636
Synthesis of thorium sulfite compounds, 21:38951
Thermogravimetric analysis of thorium sulfate complex compounds, 21:5853
Thorium acetates, 21:21945
Thorium coordination chemistry, 21:25852
Thorium phosphate compounds, 23:9396
Thorium sulfite compounds with neutral organic ligauds, 22:10245
Vibrational spectra of nitrate complexes of Th compounds, 22:12300
MOLODOV, L. A. Localization of free radicals in irradiated alanine—glycine peptides, 23:9485
Transitions of free valence in irradiated alanine—glycine peptides, 23:40695
MOLODYKH, E. I. Thermal stability of monoisopropylbiphenyl, 25:18377
MOLODYKH, K. A. Spectral analysis in geology and geochemistry, 23:43258
MOLOF, Robert Total cross section for scattering of low-energy electrons by metastable Ar, 25:24891
MOLOKHIA, Farouk A. Implantable nuclear power sources for artificial organs: preliminary pathologic effects. II, 25:21848
MOLOKHIA, M. M. Genetically significant dose from diagnostic radiology, 21:14670
MOLOKHIA, Mohamed Activation analysis of trace elements in skin. II, 24:25014
Neutron activation analysis of trace elements in skin. I, 23:33163
MOLOKHIA, Mohamed M. Activation analysis of skin. III, 24:18924
Neutron activation analysis of trace elements in skin. V, 25:2134
Neutron activation analysis of trace elements in skin. IV, 25:4049
Trace elements in the lung, 22:10184
MOLONEY, William Curry Leukemogenesis in the rat: further observations, 25:44914
Treatment of chronic leukemia, 23:29667
MOLOTKOV, O. V. Ascorbic acid content in the adrenal glands of irradiated rats under conditions of destruction of macrocellular neurones of the hypothalamus, 24:14430
Biosynthesis of overall and individual proteins in endocrine glands of irradiated animals, 24:7734
Influence of anabolic substances on the rotein synthesis in endocrine organs and some other indices of protein metabolism in irradiated animals, 21:28602
MOLOTKOVA, A. S. Reaction of the cortical layer of the adrenals to total gamma-irradiation, 22:49612
MOLOUKHIA, M. K. Strontium-90 fallout deposition and surface air γ activity in U.A.R. during 1969 and ^{90}Sr in human bones during 1968 and 1969, 25:37787 (NP-18731)
MOLSKI, Janusz Van Allen radiation zone in Antarctic continent, 24:37360
MOLSON, F. Capture cross section of ^{242}Pu, 24:26646
MOLSON, Jill Tyrosine α-ketoglutarate transaminase induction by dexamethasone in new adult rat liver cell line (RLC), 24:29155 (UCLA-12-774)
MOLTON, P. M. Protection of astronauts against solar flares, 25:46857
MOLVIK, A. Plasma confinement in a toroidal octupole magnetic field, 22:39031 (CONF-680805-7)
Plasma confinement in a toroidal octupole magnetic field. 23:32339
Plasma injection, heating, confinement, and losses in multipole structures, 25:38324 (CONF-710607-2)
MOLVIK, A. W. Scaling of toroidal plasma confinement times, 23:32309
MOLYNEUX, L. Control unit for experiments with colliding charged-particle beams, 25:22510
MOLZAHN, D. Search for spontaneously fissioning isomers produced with 600 MeV protons, 25:28306 (CERN-70-30(Vol.1), pp 575-87)
MOMBAZET, Rene Device for use in assembling a nuclear fuel cartridge, 21:39105
Improvements in and relating to heat exchangers, 21:10520
Improvements in and relating to nuclear fuel cartridges, 21:46982
Support structure for nuclear fuel elements, 22:18655
MOMBELLI, L. Bengal rose ^{131}I and of colloidal ^{198}Au in study of chronic hepatic diseases, 23:29625
Biological fate of rose bengal—^{131}I, 22:537
Chromium-51 EDTA use for glomerular filtration rate evaluation, 24:23268
Clinical use of pancreatic scintigraphy using methionine-^{75}Se, 23:45813
Comparison between clearance of ^{131}I—Hippuran and PAI, 24:2736
Determination of plasma clearance of labeled substances with a single injection technique, 24:29623
Diagnosis of kidney function and structure by means of radioisotopes, 25:35184
Evaluation of a new method of determination of glomerular filtration rate, 23:50742
New double-tracer technique in the diagnosis of liver neoplasia, 25:42580
MOMBERGER, J. F. In-core instrumentation and fast digital data acquisition for the SEFOR nuclear test reactor, 21:32512
MOMEDOV, T. G. Effect of free radicals of water and organic substances on yeast cells, 22:25738
MOMENI, M. H. Thermoluminescent dosimetry in ^{90}Sr-labeled Beagle bones: a preliminary report, 25:6702 (UCD-472-117, pp 52-4)
MOMENI, Michael Hoshang Spectrophotometric study of the mechanism of radiation inactivation and the modifying action of thioglycolic acid on catalase, 24:33723
MOMENT, R. L. Elastic anisotropy of rolled beryllium, 21:24760
Growth of large grains of Pu—1 wt. percent Ga alloy, 21:9093
Rolling texture of Pu—3.4 at. percent Ga, 24:19434
Solidification techniques for growth of large crystals of Pu-3.3 at. percent Ga alloy, 22:28761
MOMENT, Roger L. Annealing and deformation twinning in delta-stabilized plutonium—gallium alloys, 25:11436
MOMII, Shigeki Yearly changes of radiation exposure doses received by workers in radiological occupations at Kyushu Univ. Hospital, 22:36263

- MOMIN, A. C. High-temperature thermal expansion of UO_2 and ThO_2, 24:17373
  - System UO_2—ThO_2—O_2. I, 25:31942
  - System UO_2—ThO_2—O_2. II, 25:31943
- MOMIN, S. N. Semi-automatic neutron diffractometer, 23:4862
- MOMMA, H. Effects of x rays on serotonin levels in blood of mice. II, 22:19436
- MOMMA, Toshiko Collection of ^{51}Cr in seawater, 21:40796
  - Scavenging radionuclides in sea water by use of MnO_2 and others, 21:22025
- MOMMAERTS, W. F. H. M. Molecular size of Ca-transport ATPase of sarcotubular vesicles estimated from radiation inactivation, 22:51411
- MOMMEN, E. Future nuclear power plants, 24:4000
  - Standard models of nuclear plants of 200 MWe and 400 MWe for developing countries, 25:54022 (A/CONF.49/P-285)
- MOMMER, R. Absorption of ^{64}Cu in the sheep and rat, 21:12755
- MOMMSEN, H. Reactions ^{66}Zn(^{3}He,d)^{67}Ga and ^{68}Zn(^{3}He,α)^{67}Zn, 25:48058
- MOMMSEN, J. T. Status report on boiling-water reactor fuels, 21:8138
- MOMO, E. Spectrophotometric determination of Sc with 4-(2-thiazolylazo)resorcinol, 25:2093
- MOMO, L. R. Some recent advances in plastic detectors, 25:44614
- MOMOI, Tsuneo Radiation in the rain in Kumamoto District. I, 22:14589
  - Radioactive nuclides in atmosphere and soil air near the ground surface, 22:51101
- MOMOSE, Yoshihiro Geiger—Mueller counter for detection of exo-electrons, 23:14020
- MOMOTA, H. Microinstabilities in a hot electron plasma, 23:32454
  - Stochastic model of electron-cyclotron heating in a magnetic mirror, 25:58968
- MOMOTA, Hiromu Stochastic model of electron cyclotron heating in a magnetic mirror, 25:3055 (IPPJ-100)
- MOMOTANI, N. Cold incubation method in ^{131}I—T3 resin sponge uptake test, 24:29650
- MOMYER, Floyd Composition of natural gas from cavity produced by Project Gasbuggy, 23:45185
- MOMYER, Floyd F. Gas quality investigation program, Project Gasbuggy, 23:495 (UCRL-71314(Rev.1))
- MONACELLI, P. Characteristics of a streamer chamber, 23:7789 (NP-17697)
  - Measurement of collision cross section for photoproduction of negative pions by neutrons in deuterium, 22:37069 (NP-17458)
  - Polarization of the recoil photon from the process γn → pπ^- in deuterium for (thetaπ)/sub c.m./ = 90° in the second-resonance region, 24:42866
  - Single-negative-pion photoproduction on deuterium in energy range (500 + 800) MeV, 23:5511 (NP-17682)
  - Single-negative-pion photoproduction on deuterium, 23:14943
- MONACI, P. Boron trifluoride counter tubes, 21:26152 (RT/EL-(67)2)
  - Helium-3 neutron counter tubes, 23:6285 (RT/EL-(67)15, pp 77-96)
  - High sensitivity berylometer, 25:29390 (RT/EL-(70)4)
  - Proportional counter for measuring the multiplication factor, 24:25258 (RT/FI-(69)13)
- MONACO, Lourival Carmo Relative effectiveness of fast neutrons, x-rays, and ethyl methanesulfonate as mutagens for tomato pollen, 23:9919
- MONAGHAN, J. J. Accuracy of first order perturbation theory for uniformly rotating polytropes, 22:2748
  - Magnetic fields in stellar bodies. III, 21:9287
  - New perturbation method for non-spherical stars, 22:47721
  - Polytropic stars with very strong magnetic fields, 22:52359
  - Precession of a rotating magnetic star, 22:52360
  - Radiation from plasma systems moving with relativistic velocities, 24:23698
  - Rapid differential rotation in main-sequence stars, 25:52503
  - Slow rotation of Ap and Am stars, 24:37022
- MONAGLE, Daniel Joseph Polymerization of 1,2-dimethyl-5-vinyl pyridinium methyl sulfate, 23:24243
- MONAHAN, C. F. Analogue states excited in reaction ^{56}Fe(p,γ)^{57}Co, 25:45985
  - Angular correlation measurements in ^{46}Ti, 23:34752
  - Angular correlation studies in ^{46}Ti, 22:9821
  - Excited states of ^{52}Cr, 23:3993
  - Properties of low-lying states in ^{43}Sc, 25:20320
  - Rotational structure in ^{43}Sc, 25:3626
  - Spin-1 states in ^{46}Ti, 23:1844
  - Transition rates in ^{29}P, 24:43232
  - Transition rates in ^{29}P, 25:20319
- MONAHAN, J. Alumina formation on DIDO—PLUTO class of reactors, 23:45102 (AERE-R-6105)
  - ph control of alkaline waters by ion-exchange using a single mixed bed, 22:14470 (AERE-M-1829)
- MONAHAN, J. E. Analysis of intermediate structure in terms of level-parameter statistics, 21:10042
  - Analysis of scattering, 21:15412 (ANL-7029, pp 25-7)
  - Analysis of the intermediate structure observed in the neutron cross section of ^{19}F, 21:13811
  - Attempt to test the random-matrix model, 22:27378
  - Elastically equivalent potentials, 25:46126
  - Equivalent two-body interactions with specified bound-state wave functions, 25:48132
  - Isospin nonconservation in reaction ^{12}C(d,α_1)^{10}B(1.74,T = 1), 25:43811
  - Observation of nonlocal effects in nuclear scattering, 24:40708
  - Off-shell continuations of the two-particle transition matrix with bound states, 25:34176
  - Perturbation of the statistical properties of nuclear states and transitions by interactions that are odd under time reversal, 22:16070
  - Polarization and differential cross section for neutrons scattered from ^{12}C, 24:15800
  - Polarization in the small-angle scattering of 0.83-MeV neutrons by U, 21:21548
  - Possible doorway-state structure in scattering of neutrons by Fe, 23:8973
  - Properties of the 3.39-MeV state in ^{11}B, 23:30945
  - Relation between fine and intermediate structure in the scattering of neutrons by Fe, 22:29962
  - Scattering of neutrons from nuclei, 21:11916 (ANL-6172)
  - Small-angle scattering of neutrons by heavy nuclei, 23:15442
  - Study of ^{10}B cross sections, 25:53592 (CONF-701002-, pp 107-20)
  - T = 1 states in the A = 12 system, 25:43819
  - Unfolding measured distributions, 22:8382
- MONAHAN, J. M. PM-2A reactor vessel test, 21:19390 (WAPD-TM-640)
- MONAHAN, James E. Analysis of the distribution of the spacings between nuclear energy levels, 24:38352
- MONAHAN, Michael W. Hydrochlorination of cyclohexene in acetic acid. Kinetic and product studies, 24:31315
- MONAHAN, W. G. Directional correlation in ^{88}Sr, 24:49835
  - Directional correlation of gamma rays in ^{73}Ge, 24:1808
  - Geometrical attenuation factors for directional correlation experiments, 24:11797
- MONAHAN, Wayne Gordon Directional correlation of gamma rays in ^{73}Ge, 23:39980
- MONAKHOV, B. V. Extraction of complex compounds of neptunium with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone, 22:45174
- MONARD, C. Induction of mutations in barley, 21:28418
- MONARI, L. Circuit for labelling as a further automatization in measurements of bubble chamber photographs, 21:16137 (INFN/TC-66/7)
  - Phase shift analysis of K$^+$p elastic scattering at 780 MeV/c, 21:18919
  - Proton polarization in K$^+$p elastic scattering at 780 MeV/c, 21:33616
  - Upper limit for production of positive-strangeness baryon with mass between 938 and 1432 MeV, 21:21142
- MONARO, S. Compendium of thermal-neutron-capture γ-ray measurements. I, 22:9820
  - Directional correlations of gamma rays in ^{152}Sm and ^{152}Gd, 25:20385
  - E2/M1 ratios in 427.90 and 635.90 keV transitions of ^{125}Te, 25:46022
  - Efficiency for coaxial and planar Ge(Li) detectors, 24:5904
  - Energies of γ transitions in ^{113}Sn decay, 22:39675
  - Energy levels of ^{96}Mo excited in decay of ^{96}Tc isomeric pair, 23:34801
  - Energy levels of ^{96}Mo excited in decay of /sup 96m,g/Tc isomeric pair and ^{96}Nb, 23:1926
  - Geometrical correction factors for angular correlation measurements with Ge(Li) detectors, 25:32246
  - Geometrical correction factors for angular correlation measurements with Ge(Li) detectors, 25:42054 (LPN-UM-53)
  - High energy levels of ^{144}Nd excited in the decay of ^{144}Pm, 22:50628
  - Precision measurements of gamma-ray intensities and energies in decay of /sup 125g/ ^{154}Eu^{54}, /sup 110m/Co, Ag, and ^{125}Sb, 24:8864
  - Thermal-neutron-capture γ-ray measurements. II, 23:9005
  - Transitional nuclei. I, 24:47653
  - Well-type Ge(Li) detector for sum-coincidence studies, 24:9673
- MONARO, Sergio Gamma radiation from ^{71}Zn and /sup 71m/Zn, 21:5515
- MONASTA, G. Features of ^{32}P in tissue equivalent material, 23:6469
- MONASTERIO, G. Detection of tumors in man by ^{131}I-fibrinogen, 22:38404
- MONASTYRSKII, O. O. Adaptation of animals to elevated natural background radiation, 22:21464
- MONATH, C. Hypophysiolysis, diabetic retinopathy, and cancer of breast, 23:26854
- MONAWECK, J. H. TREAT meltdown of irradiated metallic fast-reactor fuel in inert atmosphere, 21:34124
- MONCASSOLI, A. M. Development of prototype fuel elements for pressurized water power reactors, 24:50121 (EUR-4406)
  - Neutron—attenuation experiments in iron—water configurations, 21:21003
  - WIGNER: program for calculation of mean thermal cross sections in reactor core and for punching of load data for calculating the epithermal cross sections, 25:28803 (EUR-4555)
- MONCASSOLI, F. Research on the conditions of best resolution in several photomultipliers commonly used in gamma spectrometry, 22:51246 (RT/EL-(68)1)
- MONCEAU, P. Flux flow resistivity by surface resistance measurements, 24:37423
  - Pinning frequency of Type-II superconductors, 22:44025
  - Resistive behavior of the superconducting surface sheath of alloys, 25:58946
  - Resistivity of superconducting alloys in the mixed state in a weak field, 25:52756
  - Surface impedance of dirty type-II superconductors in vortex state, 24:26105
  - Surface resistance in vortex state of Type-II superconductors, 25:1119
- MONCELON, Bernard Reaction between thionyl chloride and UF_6, 23:9410
- MONCHAMP, R. R. Use of phase diagrams in crystal growth, 25:37976
- MONCHINSKII, A. G. Dual-purpose desalination plants, 22:14622
  - Utilization of the Beloyarsk Atomic Power Station reactors for dual purpose desalination installations, 21:17465 (NP-16557)
- MONCHKA, D. Electromagnetic separation of short-lived isotopes of Rn, Xe, and Kr for spectroscopic studies, 25:34806 (JINR-P13-5757)
- MONCRIEF, E. C. Corrosion of volatility pilot plant INOR-8 dissolver, 21:39547 (ORNL-TM-1907)
  - Prog. rpt. on Gel-Addition Process, 1—3/67, 21:30437 (BAW-3714-3)
  - Recycle of thorium fuel for heavy-water-moderated organic-cooled reactors, 22:23854 (CONF-660524-, pp 157-84)
  - Thorium fuel separation engineering studies, 22:23191 (CONF-660524-, pp 509-35)
- MONCRIEFF, M. L. A. Comparison of theoretical and experimental test results for a ribbed spherical vessel. I and II, 23:11210
  - Investigation into structural behavior and safety of spherical prestressed concrete pressure vessel, 22:22859 (TRG-Report-1204(Pt.1))
  - Investigation into structural behavior and safety of spherical prestressed concrete pressure vessel, 22:22862 (TRG-Report-1204(Pt.4))
  - Investigation into structural behavior and safety of spherical prestressed concrete pressure vessel, 22:22860 (TRG-Report-1204(Pt.2))
  - Investigation into structural behavior and safety of spherical prestressed concrete pressure vessel, 22:22863 (TRG-Report-1204(Pt.5))
  - Investigation into structural behavior and safety of spherical prestressed concrete pressure vessel, 22:22864 (TRG-Report-1204(Suppl.1))
  - Investigation into the structural behavior and safety of a spherical prestressed concrete pressure vessel, 22:22861 (TRG-Report-1204(Pt.3))
  - Time, temperature, creep, and shrinkage in concrete, 23:10313
- MONCUR, N. K. Ground-state molecular constants of hydrogen telluride, 24:211
- MONDAL, A. S. Non-mesonic decay of hypernuclei produced by K-mesons of 3.0 GeV/c momentum, 25:5277
- MONDAL, M. A. W. Behaviour of a neutron pulse in the vicinity of an inelastic threshold, 25:10315
  - Effect of accelerator pulse shapes on neutron slowing down times, 25:60232
- MONDAL, S. K. Cosmic ray stars in photographic emulsion at high altitude, 22:15383
- MONDALE, Lee Thymineless death in E. coli, 21:32811
- MONDEN, Hisashi Leukemia autopsies in Japan, 21:12959
- MONDEN, Yoshimi Surface excitation model of hadron resonances, 25:9808
- MONDET, Suzanne Crystal structure of WV_2O_7 , phase, 23:22660
  - Crystalline structure of the WV_2O_7 phase, 22:34120
- MONDIN, Henri Nuclear thermal studies in France and their applications to other fields, 25:54865 (CEA-CONF-1758)
  - Process and apparatus for improving the transfer of heat from a hot gaseous fluid, 21:8525
- MONDINO, Manuel A. Internal friction in heated vanadium at low air pressure, 25:6852 (CNEA-260)
- MONDOLFO, L. F. Grain refinement in aluminum alloyed with titanium and boron, 25:24657
- MONDORF, L. Influence of radiation on human fertility, 22:40870
- MONDRAGON, A. Euclidean expansion of the scattering amplitude in nuclear physics, 22:35407
  - Linear rising trajectories in time-delay analysis of scattering amplitude, 24:38299
  - Non-relativistic crossed partial-wave expansion and nucleon—nucleus scattering, 23:19381
  - Physical meaning of the non-relativistic crossed partial-wave expansion, 23:19380
  - Relativistic harmonic oscillator and nuclear reactions, 23:23802
  - Spectrograph as a wide range nuclear polarimeter, 24:18338
- MONDRUP, K. Effect of impurities on performance of magnetically driven shock tube, 23:25368
  - Side-pinch effect of a magnetically driven shock tube with parallel-plate electrodes, 22:48102 (RISO-176)
- MONDT, J. F. Thermionic reactor ion propulsion spacecraft for unmanned outer planet exploration, 25:35937
- MONEN, H. P. M. Gross radioactivity in airborne dust, 25:57575 (RA-42)
- MONERJAN, Alfred Validity of the Nernst distribution law at low concentrations, 21:17642
- MONESI, V. Male germ cells radiosensitivity in rat, 22:33953
  - Preliminary observations on correlation between chromosome duplication and DNA replication, 22:33781
- MONESI, Valerio Stage of chromosome duplication in cell cycle as revealed by x-ray breakage and ^{3}H-thymidine labeling, 23:814
- MONESIGLIO, J. C. Effects of gamma radiation on the amino acid composition of bovine plasma, 23:21754
- MONET Problems encountered in coupling computer to high energy physics experiments at Saturne, 22:19154
- MONETI, G. Summary of the national activity in the field of high energy, 21:5349
- MONETI, G. C. Low energy antipp annihilation into $\pi^+\pi^-$ and K$^+$K$^-$, 23:27741 (NP-17873)
  - Low-energy anti pp annihilation into $\pi^+\pi^-$ and K$^+$K$^-$, 23:27745
- MONETTI, N. Diagnosis of bone metastases of mammary cancer by scanning with ^{85}Sr, 25:52140
- MONEY, J. N. Calibration of Bonner ball neutron detectors used at Tower Shielding Facility, 25:42055 (ORNL-TM-3465)
- MONEYRON, G. Welding of SAP for nuclear fuel elements, 23:10268
- MONFARDINI, Silvio Lymphoreticular sarcomas with primary involvement of Waldeyer's ring. Clinical evaluation of 225 cases, 24:44562

Pituitary ablation with ^{90}Y implant in advanced thyroid cancer, 21:26477
MONFILS, A. Absorption spectra of molecules H_2, HD, and D_2. VII, 22:23018
Auroral spectra, 23:27457
High luminosity spectrograph for recording the far ultraviolet spectra of aurora, 21:24983
Potential functions of excited singlet states of H_2, HD, and D_2, 22:43909
Spatial separation of lambda3914- and lambda5577 A emissions in an aurora, 24:26088
MONFORT, J. -L. Excitation by modulation of new ion resonances in bounded plasmas, 23:42365
MONFORT, J.-L. Description of waves in nonuniform magnetized plasma, 24:12867
Ion—electron resonances in bounded, hot plasmas with and without steady magnetic field, 25:5134
New ion—electron resonances in bounded, hot, magnetized plasmas, 23:32543
Radiofrequency power absorption by strongly magnetized, hot, bounded ion—electron plasma, 25:40699
MONFRET, A. Implications of ion implantation technology on ion implanted active devices in silicon, 25:37677
Junctions due to implantations of P ions into Si, 24:5887 (EUR-4269, pp 251-66)
MONFRET, Alain Characterization of junctions produced by medium-energy ion implantation in silicon, 24:51785 (CEA-R-3882)
MONFRINI, C. Radioactive tracer technique to study the hydrodynamic behaviour of an effluent decontamination plant, 24:9620 (EUR-4402)
MONGA, S. K. Low-energy hyperon—nucleon scattering, 25:7691
Three-body calculations for /sub A/^{9}Be with separable potentials, 21:40508
MONGAIN, E. O. Longitudinal distribution of Cherenkov light from extensive air showers, 25:1382
MONGAN, T. R. New processes at energies above 2 x 10^{11} eV, 24:8561 (N-69-37606)
Nonrelativistic separable-potential quark model of the hadrons, 25:30846
Numerical solution of the Lippmann—Schwinger equation, 24:3784
MONGAN, Thomas R. Evidence for heavy-particle production processes at energies above 2 x 10^{11} eV, 24:30445
Off-energy-shell behavior of partial-wave scattering amplitudes, 23:32772
Off-energy-shell partial-wave amplitudes, 24:3777
Separable-potential fits to nucleon—nucleon scattering data, 23:7336
Separable-potential models of the nucleon—nucleon interaction, 23:31068
MONGAN, Thomas Robert Separable potential fits to nucleon—nucleon scattering data, 23:32759
MONGE, J. L. Paramagnetic species in gamma-irradiated Durene crystals at room temperature, 24:41340
MONGE, Rodolfo Humberto Garcia Changes in coagulation by ionizing radiation, 25:37891 (NP-18815)
MONGINI, L. Modified electron spin resonance spectrum simulation program, 23:9277 (EUR-4064)
MONGINI-TAMAGNINI, C. CARONTE: Euratom modular calculation system, 25:44187 (EACRP-A-135, pp 63-8)
CARONTE: system for automatic control of linked calculations, 23:40435 (CONF-690401-, pp 297-303)
Thermocouple composition changes due to neutron irradiation, 21:24805 (EUR-3156.e)
MONGON, A. Studies on the applicability of a zinc sulphide scintillation detector and a semiconductor detector for on-stream alpha activity measurements, 24:483 (NP-18022)
MONIEN, H. Advances in inverse voltammetry. I, 24:41203
MONIER, L. F. C. Accurately defined neutron beams from D(d,n)^{3}He at E/sub d/ = 50 keV, using the associated particle method, 21:3259
Production of a partially polarized 4.56-MeV neutron beam using the associated particle method, 23:13157
MONIER, R. Inactivation by ionizing radiations of the RNA, 23:33646
MONIN, Yu. G. New radiotelescope of the Crimean Astrophysical Observatory with the 22-m parabolic reflector, 23:6828
MONIN, Yu. S. Electromagnetic waves by charged particles in nonuniform crystals, 24:20010
Radiation of charge moving in random-nonhomogeneous anisotropic medium, 21:845
Stability of bunch of high-energy particles in statistically inhomogeneous media, 24:5274
MONINGER, W. Features of K^{+}d reaction at 3.8 GeV/c, 24:40258 (COO-1195-186)
MONINGER II, William Ringland K-plus neutron charge exchange scattering, 25:56423 (COO-1195-217)
MONIWA, Yoshihiro Gamma-ray radiation damage in turbin lubricating oils, 21:31120
MONIZ, E. J. Effect of correlations on high-energy processes using nuclear targets, 24:3706
Nuclear Fermi momenta from quasi-elastic electron scattering, 25:25674
Pion electroproduction from nuclei, 24:1913
MONK, Carl D. Accumulation and transfer of ^{45}Ca by the biota of tagged cornfield, 23:17904 (CONF-670503-, pp 672-7)
Effects of gamma irradiation on growth in slash pine seedlings when different plant parts are exposed, 22:28710
Effects of gamma irradiation on prickly pear cactus, 23:20425
Radioisotope tagging through seed soaking, 21:20073
MONK, Claire B. Jr. Prog. rpt. on minimal equipment in shelters, final, 6/65, 21:8782 (AD-631424)
MONK, Ian Preoperative irradiation of carcinoma of bronchus, 23:29684
MONK, Marilyn Induction of phage lambda by transferred irradiated coll DNA, 24:34772
Induction of prophage lambda in mutant of E. coli, 25:42340
Mechanism of indirect induction by mating with uv-irradiated col I donors, 22:17058
Repair of damage induced by ultraviolet light in DNA polymerase-defective E. coil cells, 25:46783
MONK, R. G. Determination of precise composition of triple Na uranyl acetates of Mg, Zn, and Ni, 23:7453
MONK, T. H. Volatility process for Zircaloy-clad uranium dioxide power reactor fuels, 23:24275 (K-L-6213)
MONKELIS, M. R. Progress report on analysis of ^{235}U resonances above 62 eV, 24:49864 (WANL-TME-1953)
W-MESHER: a computer program to analytically partition a two-dimensional figure, 25:18578 (WANL-TME-2721)
MONKS, Joseph G. Nuclear power in the pacific northwest: when, 22:39818
MONKS, Joseph Gerard Analysis of the nuclear fuel cycle market structure, 21:40565 (NP-16898)
MONLEON, J. L. Gamma spectra of ^{233}U, 22:9860
Study of the alpha spectra of ^{233}U, 23:4037
MONMA, Y. Creep and creep-rupture tests of stainless steel as structural material of fast breeding reactor, 25:2660 (JAERI-Memo-4097)
MONNAND, E. Decay of ^{164}Tb, 22:50637
Decay of ^{95}Ru, 22:35307
Decay of ^{99}Nb(T/sub $^{1}/_{2}$/ = 2.6 min.), 25:34149
Excited levels of ^{186}W, 24:43348
Excited states of ^{98}Mo in radioactive decay of ^{98}Nb isomers, 23:25923
Isomers of ^{136}I and ^{136}Xe, 25:12572
Nuclear isomerism in ^{138}Cs and ^{138}Ba, 25:50749
Radioactive disintegration of ^{186}Ta, 23:52176
Short-lived isomers of ^{136}I and ^{138}Cs decaying via metastable states of ^{136}Xe and ^{138}Ba, 25:28342 (CERN-70-30(Vol.2), pp 1119-21)
MONNAND, Edouard 3.8-min. isomer of ^{134}I, 24:28795
Decay of ^{186}Ta, 22:18301
Decay of the 52-sec isomer of ^{194}Ir, 21:21550
Isomer of ^{138}Cs, 25:20381
Metastable excited state in ^{184}W, 23:21312
Radiochemical separations of Hf, Ta, and Ge from W and Se irradiated by 14-MeV neutrons, 23:21775 (CEA-R-3678)
Radiochemical separations of Hf, Ta, and Ge from W and Se irradiated by 14-MeV neutrons, 24:48150 (ORNL-tr-2390)
Short-lived isomer of ^{98}Nb, 21:31818
Short-lived isomers of ^{99}Nb and ^{100}Nb, 22:9905
Study of the isomer of ^{208}Bi, 21:4293
MONNE, Maxime Characteristics of the metallic joint with induced elasticity, 22:16843
MONNET, A. Fluorinated polymers and nuclear industry, 25:43016
MONNET, G. Electron temperatures in H II regions, 23:39163
Evidence for new class of very extended H II regions in disks of Sc galaxies, 25:38118
Evidence of expansion in NGC 6888, 24:27951
Fluctuations of electron temperature in H II regions, 24:4937
Interferometric study of H II in Small and Large Magellanic Clouds, 25:22333
Interferometric study of ionized H in the Large Magellanic Cloud, 24:28051
Interferometric study of ionized hydrogen in M 33, 22:29149
Ionized hydrogen in M51, 23:39261
Ionized hydrogen in NGC 4449, 23:39263
Ionized hydrogen in NGC 4631, 23:39270
Kinematic study of ionized hydrogen in NGC 4490-85, 25:8994
Mass distribution and a stellar population model in the spiral galaxy M 33, 25:9149
Method of determination of the electron temperature of HII regions, 23:6829
Shape of galactic spiral, 24:1236
Study of Hα/[NII] ratio in diffuse nebulae, 23:51233
Turbulence in H II regions, 25:11582
MONNIER, Anne Selective growth of pits on a stainless steel in a chlorinated oxidizing medium, 25:13637
MONNIER, D. Activation analysis of short-lived isotopes, 21:8196
Activation analysis of short-lived isotopes, 21:8195
Activation of short-lived isotopes. Rapid separation by exchange on Hg, 21:23834
Analytical studies on the hafnium—scandium separation on anion-exchange resins, 25:48582
Decay scheme from neutron activation determination of Hf and spectra of ^{178}Lu, 24:31267
Determination of Si in mineral oil by fast neutron activation, 22:8028
Nondestructive determination of Hf by neutron activation and γ spectrometry of /sup 179m/Hf and /sup 178m/Hf, 22:40020
Rapid isotopic separation method for the selective determination of short lived radioisotopes, 25:10490 (LIB/Trans-334)
Rapid isotopic separation methods for selective detection of short-lived radioisotopes, 21:1276
Rapid radiochemical separation of silver by amalgam exchange, 22:27574
Rapid radiochemical separations by exchange with Hg, 22:27575
Secondary reactions produced during the preparation of Hf by neutron activation: on the decay of ^{178}Lu, 23:37224
Separation and determination by neutron activation of Hf in Sc, 24:2159
MONNIER, Denys Analytical chemistry, 24:13
MONNIER, J.-P. Survival of patients with thyroid cancer treated with radioiodine, 24:815
MONNIER, P. Nondestructive testing of flat fuel elements by an infrared method, 23:9238 (CEA-CONF-1078)
MONNIG, F. Neutron—nucleus total cross-sections between 8 GeV/c and 21 GeV/c, 24:51940
MONNIN, C. F. Molecular hydrogen inelastic electron impact cross sections, 23:18384
MONNIN, Carl F. Comparison of Gryzinski and Born cross sections for the metastable 2s state of atomic H, 21:43751 (N-67-23283)
Energy transfer and ion cost in a hydrogen plasma, 23:44418 (N-69-29905)
MONNIN, M. Charged particle track studies in lunar rock 12013, 25:949
Conference on nuclear track registration in insulating solids and applications, Clermont-Ferrand, France, 5/69. I, 25:44603
Conference on nuclear track registration in insulating solids and applications, Clermont-Ferrand, France, 5/69. II, 25:44637
Development of tracks with solvents, 24:41673
Effects of O_2, SO_2, NO, and N_2O on track registration, 25:44613
Interesting track detector: polyvinyl chlorides, 25:44617
Mechanism of track formation in polymers, 25:387
Observation of fluorescent tracks, 25:44653
Polyvinyl chloride, 25:389
Track formation mechanism in polymers, 25:44610
Track visualization with solvents, 25:44622
Various applications of dielectric track detectors, 25:44652
MONNIN, Michel New solid detectors of nuclear traces and new methods of chemical development of detectors already known, 22:327
Solid track detectors and their applications to biology, 25:10823
Solid-state track detectors, 22:47342
Some new ionographic detectors of the family of trace solid detectors, 21:12674
MONNOT, P. Control of the recovery of immune functions in isogenic radiation chimeras, 23:12016
Mechanism of the therapeutic action of delayed restoration in irradiated mice, 22:51987
MONOI, Tsutomu Device for supplying power to a charged-particle accelerator, 23:39885
MONOSI, A. Modification of the process of blood coagulation in patients irradiated with ^{60}Co γ rays, 22:33724
MONOSZON, N. A. Parameters of the experimental quadrupole magnetic lens, 22:44563
Superconducting synchrotron on the basis of a magnet system with stationary field, 24:26543 (KFK-tr-307)
MONOT, P. Radiosensitivity of mouse cells of foetal liver origin, 24:34577
MONOZON, B. S. Energy levels of the hydrogen atom in crossed electric and magnetic fields, 24:3162
MONPAGENS, Jean-Claude Method for coloration of lithium fluoride by 25-keV electrons, 22:44240
MONRO, P. E. Analysis of ordinary mode standing waves observed by rockets in E region, 22:36843
Calculating lower ionosphere electron densities and collision frequencies, 25:22403 (N-70-42935)
Diurnal variations of NO^{+}, O_2^{+}, NO, and N in E region, 24:26057
Minor atmospheric constituents and the ion composition of the E region, 23:12651
MONRO, Pauline Radiation effects on human central nervous system, 23:38831
MONROE, E. Wall N-substituted aminoethanethiols and N-substituted aminoethanethiol S-sulfonic acids as radioprotective agents, 24:48592
MONROE, Elizabeth McLeister Base-catalyzed hydrogen—deuterium exchanges of some six-membered heteroaromatic compounds, 24:11531
Hydrogen—deuterium exchange of thiapyrones, N-methylpyridones, and N-methylpyrimidones, 23:21713
MONROE, Frank M. Solubility of nitrogen in vanadium, 23:30146
MONROE, J. Robert Comparison of fallout ^{137}Cs accumulation and excretion in mammals, 23:18017 (CONF-670503-, pp 623-6)
MONROE, Nodie Mae Phase effects on recoil tritium reactions with benzene, 23:33210
MONROE, R. E. Electron beam welding of beryllium. II, 23:3036
Electron-beam welding of beryllium, 22:8712
Feasibility of resistance welding in hard vacuum, 23:22503
Preliminary weldability evaluations of tantalum alloys, 21:9121
Resistance welding in hard vacuum, 24:12383
MONROE, Richard L. Electromagnetic radiation in a time-varying plasma, 24:15367
MONROE, Robert E. Forming projections on tubes, 22:2604
MONROE, S. E. Radioimmunoassay for rat luteinizing hormone, 23:4885
Radioimmunoassay for rhesus monkey luteinizing hormone (RhLH), 24:34144
Radioimmunoassay for rhesus monkey luteinizing hormone (LH) with anti-ovine LH serum and ovine LH-^{131}I, 25:42237
Radioimmunologic studies of rat LH, 24:29685
MONROE, Scott E. Radioimmunoassay determination of LH, 24:649
MONSE, E. U. Analysis of isotope-effect calculations illustrated with exchange equilibria among oxynitrogen compounds, 25:8245
Temperature dependences of isotope effects, 22:27735
Temperature dependences of isotope effects, 24:27075
MONSECOUR, M. Analytical problems in nuclear energy, 23:34992
MONSECOUR, M. R. Determination by neutron activation analysis of ^{148}Nd in irradiated UO_2—PuO_2, 23:7465
Radiochemical determination of burn-up of fuel elements, 23:37910
MONSELISE, J. J. Preservation of avocado pears by gamma irradiation, 24:21335

MONSELISE, S. P. Changes in enzymatic activities of citrus peel tissues after fruit irradiation, 24:6006
  Comparison of the effect of radiation of various penetrating powers on the damage to citrus fruit peel, 23:29946
  Effect of gamma radiation on appearance, composition, and enzymatic activities of citrus fruits, 24:48785
  Effect of gamma radiation on phenylalanine ammonialyase activity and accumulation of phenolic compounds in citrus fruit peel, 23:35643
  Effect of gamma radiation on the synthesis of scopoletin and scopolin in grapefruit peel in relation to radiation damage, 25:27079
  Radiation damage to grapefruit, 24:48420
  Relationship between radiation damages to citrus fruits and changes in enzymes and other constituents of the peel, 25:27135 (IAEA-R-362-F)
MONSEU, Ph. Fast neutrons in non-multiplying assemblies, 25:9956
MONSIGNORI FOSSI, B. C. Correction for foreshortening for Ca plages, 21:46079
  Flux at 44 to 60 A during the ascending period of the solar cycle No. 20 (1964—67), 23:10410
  Outstanding Lyman-alpha event, 24:10292
  Soft x-ray emitting regions in the solar corona, 25:35721
MONSMA, William Brink Baryon mass and electromagnetic interactions in O(4,2) x SU(3), 25:59548
MONSON, H. O. EBR-II initial operation, 22:18523
  Flow characteristics of the EBR-II Core-type subassembly, 23:52347 (ANL-6549)
  Operating experience with large sodium-cooled reactor plants, 21:27747
  Thermal design of EBR-II primary tank components, 21:44891
MONSON, L. A. Protective coatings for dispersion-strengthened nickel, 23:30150
MONSON, William Albert Measurement of charge form factors for ^{6}Li and ^{7}Li by electron scattering, 25:3558 (AD-704484)
MONSONEGO, G. 8 Particle—8 hole rotational band in ^{16}O, 22:13937
  Deformed states in light nuclei, 23:37307
  Intrinsic deformed states in ^{16}O, 21:31719
  Non-axial structures in ^{24}Mg and ^{16}O, 24:8851
  Some results concerning a nonlocal mean field, 21:17407
  Spectra of nickel isotopes, 21:25488
MONSRUD, Arne E. Levels in ^{7}Li, 25:17713
MONSTER, J. Sulfur-isotope geochemistry of petroleum, evaporites, and ancient seas, 21:24107
MONTA, K. Application of time optimal control for direct digital control algorithm of TTR, 23:40404
  Future direction of computer control of power reactors in Japan, 23:40344
MONTA, Kazuo Comment on computer control of KUR-2. I, 25:46301 (KURRI-TR-75, pp 105-7)
  Computer control of research reactor TTR-1, 21:38693
  Reactivity balance as malfunction detector for research reactor, 24:16250
  Time optimal digital computer control of nuclear reactor. II, 21:10165
  Time optimal digital computer control of nuclear reactor. III, 21:27819
MONTAG, A. Determination of ^{89}Sr and ^{90}Sr in food by an alkaline—earth—metal sulfate separation, 21:5792
  Determination of ^{89}Sr and ^{90}Sr in foods by alkaline earth sulfate separation, 22:19337
MONTAG, M. Gas, low pressure, differential regulator, 23:9718
MONTAGNA, W. Langerhans cells: uptake of tritiated thymidine, 21:36534
MONTAGNANI, M. Application of explosive welding to aluminum alloys, 24:36877
  Aspects of design reliability of pressure tubes for heavy water moderated reactors, 25:5984 (RISO-214, pp 335-43)
  Characteristics and methods of test of the structural materials for use in reactors, 21:36849
  Consequences of the rupture of a pressure tube or of a complete channel in an ORGEL-type reactor, 25:1907 (EUR-4493)
  Creep data for reactor pressure tubes, 24:26765
  Description of the Betulla installation, 24:25162 (EUR-4463)
  Explosive welding of a fuel element, 23:18197
  Explosive welding of nuclear reactor materials, 24:14687
  Full scale experiment on consequences of pressure tube rupture in ESSOR reactor vessel, 23:28553 (EUR-4101, pp 345-77)
  Non-destructive and destructive testing of reactor pressure tubes in sap, 22:43566 (EUR-3929)
  Non-destructive testing of sap reactor pressure tubes, 24:33851 (CONF-671061-(Vol.1), pp 121-41)
  Nuclear reactor channel with Zr alloy pressure tube at optimum operating temperature, 22:18483
  Response of vessel to an internal blast loading, 22:44918 (CONF-660669-1)
  Testing of Zircaloy-steel welded joints, 23:47719
MONTAGNANI, Mario Heat insulation for nuclear reactor pressure tubes, 23:24049
  Heat insulation system in reactor having Zr alloy pressure tubes, 24:5532
  Improvements relating to the explosive welding of a plug to a tube or of tubes to each other, 25:32672
MONTAGNIER, L. Inactivation by uv, x and γ radiations, of infecting and transforming capacities of polyoma virus, 22:21640
  Irradiation of oncogenic viruses, 25:27111
MONTAGNINI, B. Experiments on natural uranium graphite lattices by the null reactivity method, 22:42368
  Integral transport equation in one-velocity and isotropic scattering approximation, 21:14110 (EUR-3124.i)
  Theoretical research on the nil reactivity method (PCTR), 22:10074 (EUR-3637)
MONTAGNINI, Bruno Calculation of the fundamental time-eigenvalue of the space—energy dependent transport equation in a sphere, 21:2594
  Method of the superficial source, 22:50512
MONTAGNON, J. R. Evaluation of activated carbon supported isotope exchange techniques for containment atmosphere purification, 25:18385 (CONF-700816-(Vol.1), pp 278-88)
MONTAGUE, B. W. Addendum to design study of 300 GeV proton synchrotron, 22:1523 (CERN-702)
  Beam bypass for 300-GeV proton synchrotron, 22:32242 (CEAL-2000, pp 40-5)
  Bypass-storage ring option for NAL, 22:15891
  Design study of 300-GeV proton synchrotron, 22:22482 (CERN-563(Add.))
  Electron ring accelerator, 24:20276
  Fourth-order coupling resonance excited by space-charge forces in a synchrotron, 23:3859 (CERN-68-38)
  Particle separation at high energies. II, 22:29813
  Radio-frequency particle separation using primary beam modulation, 21:29778
  Radiofrequency separators, 25:50238
  Reappraisal of design criteria at the low-energy end of proton linac injectors, 22:32266 (CEAL-2000, pp 174-8)
MONTAGUE, D. G. ^{20}Ne(p,t)^{18}Ne reaction as a test of the ^{18}Ne and ^{20}Ne wave functions, 25:10006
  Levels excited in the reaction ^{58}Ni(p,t)^{56}Ni, 22:48483
  Reactions ^{14}N(p,^{3}He)^{12}C, ^{14}N(d,α)^{12}C, ^{13}C(p,d)^{12}C, 25:5563
  Structure of ^{142}Sm, ^{143}Sm, ^{145}Sm, and ^{146}Sm, 24:43433
  The structure of the even nickel isotopes, 24:43288
  Unique set of phase shifts for the scattering of protons by helium, 22:41947
MONTAGUE, Daniel Grover Interactions of 16- to 29-MeV protons with Be, 22:29939
MONTAGUE, Eleanor D. Role of radiation therapy in the primary management of breast cancer, 24:44576
MONTAGUE, Eric Charging machines for nuclear reactors, 21:34382
MONTAGUE, J. H. Collective nature of the second 2$^+$ state in ^{32}S, 24:43210
  Counter-ratio system for detecting high energy neutron thresholds, 21:26169
  Inelastic scattering of fast neutrons by ^{235}U, 22:18286
  Preparation of oxygen targets for positive ion accelerators, 25:50203
  Study of excited states of ^{11}C up to 8.43 MeV and of 5.03 and 6.81 MeV levels of ^{11}B by particle-gamma correlation technique, 22:20461
  Transition rates in ^{29}P, 24:43232
  Transition rates in ^{29}P, 25:20319
MONTAGUE, P. Reinforcement of silicone rubbers crosslinked by radiation, 23:28927
MONTALBANO, M. E. Action of ionizing radiations on CNS, 25:13561
MONTALDI, E. Asymptotic behaviour of some useful integrals, 25:22897
  Kinetic equation for an inhomogeneous plasma in a magnetic field, 22:46164
  Mass-eigenvalue problem in a neutral pseudoscalar meson theory with indefinite metric, 25:38787
  Regularization of ultraviolet divergences in quantum field theory, 24:10827
  Relativistic potential scattering and field-theoretical amplitude, 25:1648
MONTALENTI, G. Effects of fast neutron irradiation on Fe—Si 6.5 percent alloy, 22:47691
  Magnetic viscosity induced by fast neutron irradiation in high permeability pure iron, 21:40114
  Prog. rpt. on influence of nitrogen in iron and steel under fast neutron irradiation, final, 10/68, 23:41682 (EURAEC-2087)
MONTALTI, M. Sterilization of blood using gamma rays, 24:14636
MONTALTI, Maria Voltametric determination of radiation effects on L-ascorbic acid in aerated aqueous solution, 24:33726
MONTALTO, M. Tropospheric and stratospheric transport of radioactive materials introduced in atmosphere by atomic explosions, 24:14087
MONTALVO, Joseph G. Jr. Sample preparation for neutron activation analysis, 25:2146
MONTALVO, R. Irradiation of estrone in aqueous solutions, 21:12461
MONTALVO, Rafael Radiolysis of phenylalanine and tyrosine in aqueous solution, 23:49858
MONTAMBAUX, Jean Guidance of magnetic fluxes by superconducting screens, 21:7143
MONTAN, D. Laboratory sources enhanced in 0.5 eV to 200 keV neutrons for instrument evaluation, 21:39259
MONTAN, D. N. Absolute thermal neutron fluxmeter, 21:12643 (UCRL-50007-66-1, pp 22-4)
  Tables for calculating geometry factors for disk sources and detectors, 21:17853
MONTAN, Donald N. Analysis of nuclear-explosive gas stimulation and the program required for its development, 25:39620 (UCRL-50966)
  Comparison of some lung-deposition models used in the sampling of respirable dust, 24:53076 (UCRL-50914)
  Source of air blast from an underground explosion, 23:2450
  Theoretical considerations, design, and evaluation of a cascade impactor, 22:40300
MONTANA, Gustavo S. Carcinoma of the tongue and floor of the mouth, 23:35916
MONTANARO, G. Action of SH-containing compounds and of plasma from pantethine-treated rabbits on platelet counts in irradiated rats, 22:47578
  Survival rate of irradiated rats after treatment with platelet lipid extracts alone and in combination with an antifibrinolytic agent, 23:856
MONTANARO, R. Histological and histochemical study of bladders removed for cancer and previously treated with cobalt therapy and roentgen therapy, 21:6596
MONTANDON, R. Materials problems and requirements associated with the development of steam turbines and alternators, 22:47672 (CONF-671007-5)
MONTANET, L. Analysis of annihilation process anti pp—$\pi^+\pi^-\omega$ at rest using Veneziano-type amplitudes, 25:45659
  Analysis of the annihilation process anti pp—eta$\pi^+\pi^-$ at rest using Veneziano-type amplitudes, 25:53177
  Analysis of the I = 0 (K anti Kπ) resonances produced in anti pp annihilations at 0.7 GeV/c, 24:5241
  anti pp annihilations at rest, 25:22811
  Antiproton reactions, 25:7636 (CONF-690608-, pp 191-222)
  Enhancements $K_1^0K_1^0$ as observed in annihilations of slow antiprotons in H, 23:30710
  Experimental results on anti pp $\rightarrow$ eta$\pi^+\pi^-$ and anti pp $\rightarrow$ X^0 π^+ π^- for annihilations at rest, 23:8730
  Experimental results on anti pp annihilations at 1.2 GeV/c with production of at least one K_1^0-meson, 21:40147
  Experimental results on the (K anti K) and (Kp) systems as observed in the annihilations anti pp $\rightarrow$ K anti Kπ at rest, 22:5502
  Further study of the I = 1 KantiK structure near threshold, 21:44369
  Meson resonances, 22:3377 (CERN-67-23)
  Meson resonances, 24:5240
  Meson resonances as observed in anti pp annihilations, 25:22669 (SJC-P-70-1)
  Non-strange I = 1 meson of mass 1540 MeV, 23:34531
  Omegaπ and $\pi\pi$ systems in anti pp annihilations at rest, 24:5245
  Production of Σ hyperons in K^-p interactions, 23:16935
  Production of three pions in anti pp annihilations at rest, 22:39382
  Reaction anti pp $\rightarrow$ K^0 anti K^0 π^+ π^- at 0.7 GeV/c and the spin—parity of the F_1 meson, 24:5246
  Resonances, 21:33683
  Search for CP-violation in K^0 $\rightarrow$ $\pi^+\pi^-\pi^0$ decays, 25:33795
  Structure in the KantiK decay mode of the A_2 meson, 23:23354
MONTANET, Lucien Search for a K^* below Kπ threshold in anti pp annihilations at rest, 22:48218
MONTANO, H. Gamma spectroscopy with semi-insulating cadmium telluride, 24:39324
  Performance of CdTe as a gamma spectrometer and detector, 24:39344
MONTANO, H. L. Characteristics of lithium-drifted silicon structures, 21:43242
MONTANO, P. A. Computerized Moessbauer spectrometer, 25:10866
MONTANUS, Klaus Thermal power stations and ecology, 25:51021
MONTAUT, J. Brain scanning with /sup 99m/Tc, 24:34467
MONTBARBON, J. F. Radiotherapy of anal cancer, 22:51974
MONTBEYRE, R. Shielding experiments in start-up of the EDF-1, -2, -3 reactors, 23:13350 (AERE-R-5773(Vol.4), pp 1003-44)
MONTBRIAND, L. E. Studies of auroral hydrogen emission in west-central Canada. II, 21:5137
MONTBRIAND, Leslie Edward J. Morphology of auroral hydrogen emissions during auroral substorms, 25:36005
MONTE, J. Low-frequency oscillations of H^--ion-rich reflex discharge, 25:52881
MONTE, Jacqueline Total cross sections for collisional detachment of one or two electrons from H^- on H_2O, 25:35867
MONTEIL, M. Nuclear reactor loading machine, 22:10112
  Nuclear reactor refueling system, 22:10113
MONTEITH, L. K. Charge buildup and release in SiO_2 irradiated with low-energy electrons, 23:32571
  Charge storage effects in mylar from electron irradiation, 21:9257 (NASA-CR-656)
  Charge storage in silicon oxide resulting from non-penetrating electron irradiation, 23:2732 (N-68-26603)
  Post-irradiation free-radical reactions in poly(ethylene terephthalate), 24:50415
  Prog. rpt. on development of radiation resistant insulating layers for planar silicon technology, 5/68—6/69, 24:51788 (N-70-26555)
  Space-charge effects in insulators resulting from electron irradiation, 22:7366
MONTEITH, O. B. Preliminary reliability analysis of primary electrical power system, system 11, 22:48977 (BNWL-691)
  Preliminary reliability prediction for FFTF conceptual building electrical power system, 22:48726 (BNWL-813)
  Reliability analysis of FFTF conceptual plant protection system, 24:5543 (BNWL-1201)
  System effectiveness goals for Fast Flux Test Facility, 24:11221 (BNWL-791)
MONTEITH, Oscar B. Preliminary reliability analysis for FFTF safety circuits, 22:22802 (BNWL-661)
MONTEL, J. New technique for enriching tritium by thermal diffusion, 22:6541
MONTEL, Marc Selector of continuous X frequencies developed for the orbital radiation of the Frascati synchrotron, 21:21329
MONTELATICI, V. Dynamic polarization by solid effect, 24:49275
  Effect of static magnetic field on superconducting millimeter cavity resonator, 21:25060 (LNF-67/6)
  Statistical approach to spin refrigerator, 24:42608 (LNF-69/28)
  Thermodynamical approach to spin and lattice temperature, 21:13358
MONTELBANO, T. Nickel induced recrystallization of doped tungsten, 22:49757
MONTELLANICO, P. Concentration of enriched uranium in irradiated MTR fuel elements, 23:36067 (EUR-4243)

- MONTELLANICO, Pierre Oven for processing nuclear fuels, 24:41405
- MONTELS, Paul Use of cellulose ester filtering membranes in determination of Pu in urine, 22:47072 (CEA-R-3492)
- MONTE MASCARO, A. C. Polarization and intensity distribution of solar bursts at 7 GHz, 23:3220
- MONTENON, M. Liquid hydrogen and deuterium targets, 24:30619
- MONTERDE-GARCIA, A. Determination of reaction cross sections from measurements on cylindrical cascade arcs, 21:44117
- MONTEROSSO, R. SAHYB-2: programme for solution of differential equations using an analogue-oriented language, 22:1922 (EUR-3622)
- MONTES, A. Derivation of nonrelativistic sum rules from causality, 22:13862 (LPTHE-TH-219)
  - Derivation of nonrelativistic sum rules, 23:3847
  - Influence of surface defects on short-term mechanical properties of austenitic stainless steel tubing, 24:23455 (GEAP-13550)
  - Sum rules for nonlocal potentials, 23:34674
- MONTES, C. Anisotropic temperature plasma instabilities, 22:41631
  - Relaxation of a temperature anisotropy in a collisionless plasma, 25:11893
- MONTES, H. Long-period sound waves in the thermosphere from Apollo launches, 24:51559
  - Phase-height fluctuations in the ionosphere between 130 and 250 km, 25:35977
  - Rapid geomagnetic activity at very low-latitude conjugate stations, 21:15045
- MONTES, Hernan A. Atmospheric propagation studies up to September 30, 1969, 25:47381 (AD-716541)
  - Correlation between geomagnetic micropulsations and ionospheric doppler changes, 24:10418 (AD-694567)
- MONTES, J. Determination of $\alpha_e = \beta/1^*$ parameter for pulsation of JEN-2 reactor, 22:12149
  - Experimental reactors in Spain, 25:54188 (A/CONF.49/P-732)
- MONTES DE OCA, H. Production of heparin related mucopolysaccharides by mammalian cells in culture, 25:13357
- MONTES DE OCA, Rodolfo A. Nuclear-powered surface effect ships design problems, 21:10517
- MONTES LOZANO, A. Nonrelativistic sum rules and the binding energy of the deuteron, 21:40235 (LPTHE-TH-209)
  - Nonrelativistic sum rules and the binding energy of the deuteron, 22:11689
- MONTES PONCE DE LEON, J. JEN-2 Reactor. B, 23:4387
  - JEN-2 reactor: description, 22:37546
  - Measurement of neutron flux for radiation, 21:36393
- MONTET, G. Electron—microscopic studies of fundamental physical and chemical processes in single crystals of graphite, 22:55 (ANL-7352)
- MONTET, G. L. Electron—microscopic investigation of reaction of water vapor with single crystals of graphite. I, 23:6143
  - Optical density and thickness of $NbSe_2$ and $Nb_{1.04}Se_2$ lamellae, 25:3214
  - Threshold energy for the displacement of atoms in graphite, 21:16984
  - Threshold energy for the displacement of surface atoms in graphite, 25:35584
- MONTEVECCHI, I. Casehardening at high temperature, 22:31376
- MONTEVERDE, D. Meade Experimental study of the effect of transverse boundaries on neutron-wave propagation, 24:7079
- MONTFORD, B. Determination of ruthenium by atomic absorption spectrophotometry, 25:15493
  - Spectroscopic determination of metals in water for the Canadian Boiling Light Water Reactor, 22:27552
  - Trace analysis of atomic absorption spectrophotometry, 23:9312
- MONTFORT, J. Radiodermatitis, 22:47614
- MONTFORT, J. C. Measured and calculated response of neutron spectrum indices in Enrico Fermi Fast Breeder Reactor, 24:8965 (APDA-NTS-19)
  - Measurement and calculation of ^{235}U and ^{239}U fission distributions and ^{238}U capture distributions for Enrico Fermi reactor, 22:7791 (APDA-NTS-10)
- MONTGOMERY, Albert George Method of charging or discharging a nuclear reactor core, 21:46974
- MONTGOMERY, C. D. Disposable alpha—gamma transfer container, 25:51802
- MONTGOMERY, C. G. Dynamic studies of the optical absorption associated with trapped electrons, 25:11967
- MONTGOMERY, C. R. PWR: safety and relief valve experience, 24:46037
  - Utilization of a zoned loading of plutonium fuel in the Saxton reactor, 22:6023
- MONTGOMERY, D. Controlled Landau damping of ion—acoustic waves, 21:37460
  - Dispersion of ion—acoustic waves, 22:1216
  - Effects of electron-temperature variation on ion acoustic waves, 22:13486
  - Inverse third power law for the shielding of test particles, 23:3494
  - Landau damping of electrostatic ion waves in a uniform magnetic field, 23:25403
  - Numerical studies of nonlinear ion—acoustic waves, 23:1415 (LA-3990, pp A3.1-6)
  - Oscillations present in plasma-electron heating by an electron beam, 22:41580
  - Parametric excitation of Alfven waves, 21:5297
  - Search for spontaneously fissioning isomers produced with 600 MeV protons, 25:28306 (CERN-70-30(Vol.1), pp 575-87)
- MONTGOMERY, D. A. D. Propranolol and ^{131}I in the management of thyrotoxicosis, 23:10035
  - Propranolol and the utilization of radioiodine by the human thyroid gland, 23:47932
- MONTGOMERY, D. B. Concerning the reduction of liquid helium consumption in superconducting magnetic operation, 22:48069
  - Energy released by flux jumps in superconductors, 24:30298
  - High current density 9 kJ superconducting magnet without degradation, 22:48066
  - High-field magnet combining superconductors with water-cooled conductors, 24:5112
  - Superconducting magnet system for intravascular navigation, 23:29075
  - Superconducting magnets, 23:20843
  - Threshold currents of large cross-section superconductors, 25:19624
  - Transient response and stability limits of superconducting composite wire, 24:5115
  - Transient stability limits for composite superconductors, 23:30506
- MONTGOMERY, D. Bruce Combined superconducting and conventional magnets, 22:21246
  - High field magnets at National Magnet Laboratory, 22:21242
  - Magnets for fields above 100 kG, 21:11559
  - Solenoid magnet design, 24:2343
  - Superconductive magnets. II, 21:18565
  - Superconductive magnets. II. Applications, 22:9235
- MONTGOMERY, D. C. Experimental strong turbulent heating, 23:32313
- MONTGOMERY, D. M. Reactions of ^{116}Cd with intermediate energy ^{3}He and ^{4}He ions, 23:34794
  - Recoil ranges, excitation functions, and isomer ratios for ^{134}Ba(^{4}He,3n) and ^{137}Ba(^{3}He,3n) reactions, 24:3922 (COO-1505-39)
  - Test of the independence hypothesis by angular distribution measurements, 24:3923 (COO-1505-40)
  - Test of the independence hypothesis by angular distribution measurements, 25:15065
- MONTGOMERY, D. W. Oconee nuclear power plant, 24:28977
  - Oconee nuclear steam supply system, 24:28859
- MONTGOMERY, Daniel Michael Recoil studies of medium-energy nuclear reactions induced by ^{3}He and ^{4}He ions, 25:15049
- MONTGOMERY, David Alternative method for exciting electron plasma oscillations with transverse electromagnetic waves, 21:778
  - Asymptotic state of the two-stream instability, 23:12884
  - Deflection of charged particles by a current-carrying plasma, 22:3069
  - Discrete spectra and damped waves in quasi-linear theory, 25:19751
  - Electron temperature variation induced effects and Landau damping of ion acoustic waves, 21:29223 (ORNL-4079)
  - Electron—temperature variation induced effects and Landau damping of ion—acoustic waves, 21:15131 (ORNL-P-2827)
  - Evolution of a nonlinear ion acoustic wave, 22:7281
  - Fluctuations in monatomic gases, 23:23155
  - Negative diffusion coefficients in quasi-linear theory, 25:27712
  - Numerical studies of turbulent heating, 23:12744
  - Numerical study of charged particle heating by plasma turbulence, 23:1357 (LA-3990, pp A5.1-8)
  - Numerical study of weakly unstable electron plasma oscillations, 23:34476 (N-69-20774)
  - Numerical study of weakly unstable electron plasma oscillations, 23:48951
  - Parametric amplification of Alfven waves, 25:33353
  - Particle acceleration by electrostatic waves, 23:5327
  - Scattering of energetic particles by laboratory plasmas, 21:9575
  - Shielding in anisotropic plasmas, 21:42059
  - Shock-like solutions of electrostatic Vlasov equation, 22:39075 (N-68-21832)
  - Shock-like solutions of electrostatic Vlasov equation, 23:25357
  - Solution of Vlasov's equation by transform methods, 24:49156
  - Thermal relaxation in one- and two-dimensional plasma models, 24:26198
  - Transient plasma sheath: discovered by ion—acoustic waves, 23:18634
  - Validity of the electrostatic approximation, 24:26255
- MONTGOMERY, David C. Plasma physics abstracts, 1/66—12/67, 22:36880 (N-68-16284)
- MONTGOMERY, David Carey Anisotropy effects in critical field of superconducting Sn—In alloys, 22:46071
- MONTGOMERY, Earl F. Clarification in the identification of certain lines in the infrared solar spectrum, 24:10279
  - Infrared spectrum of Arcturus, 23:48614
- MONTGOMERY, H. Superconductivity of thorium and uranium, 21:7148
  - Virtual-bound-state formation in Pd—U alloys, 25:11989
- MONTGOMERY, H. E. Jr. Nuclear sizes by measuring total cross sections for fast neutrons, 23:47069
- MONTGOMERY, John W. Radio sources: 3.3-mm flux and variability measurements, 25:43060
  - Sagittarius A, 24:8275
- MONTGOMERY, John Wm. Manganese mercury star π_1 Bootis, 24:19536
- MONTGOMERY, K. R. Transfer systems for irradiated alpha—gamma materials, 24:471
- MONTGOMERY, L. D. SNAP reactor ablation: disintegration experiment (RADE) in a hyperthermal wind tunnel, 21:35650 (NAA-SR-12382)
  - SNAP reactor ablation-disintegration experiment (RADE) in a hyperthermal wind tunnel, 22:6077
  - Thermal behavior of SNAP 8 reactor during atmospheric reentry, 21:30616 (NAA-SR-12355)
- MONTGOMERY, M. Effects of irradiation on uranium—plutonium carbide fuel rods, 25:32858
  - Irradiation of uranium—plutonium carbides, 24:6289
  - Unrestrained swelling and fission-gas-release experiments of fast reactor fuels, 25:32808
- MONTGOMERY, M. D. Association of magnetotail phenomena with visible auroral features, 25:55955
  - Energy transfer at colliding streams in the solar wind, 25:16698
  - Large-scale characteristics of flare-associated solar-wind disturbances, 24:47143
  - Observation of the Feb. 26, 1969 interplanetary shock wave, 25:27570
  - Penetration of solar protons into the magnetosphere and magnetotail, 24:39934
- MONTGOMERY, Michael D. Average thermal characteristics of solar wind electrons, 25:52555 (LA-DC-12515)
  - Heat conduction and nonsteady phenomena in the solar wind, 25:27628
  - Observations of electrons in Earth's magnetotail by Vela Launch 2 satellites, 22:15431
  - Ogo 5 observations of polar cusp on Nov. 1, 1968, 25:56024
  - Penetration of solar energetic protons into the magnetotail, 23:30415
  - Plasma measurements near Earth's bow shock: Vela 4, 24:42577
  - Properties of solar energetic particles associated with propagating interplanetary shock waves, 25:56020
  - Solar wind electrons: Vela 4 measurements, 22:41266
  - Solar wind ions, 25:7256
  - Variations of solar-wind plasma properties, 25:47389
  - Vela 4 plasma observations near Earth's bow shock, 24:17806
- MONTGOMERY, Michael H. Fast reactor sodium-bonded fuel rod evaluation in a thermal reactor, 24:18712 (CONF-690910-, pp 733-41)
  - Reproducible process for the preparation of low- and high-density, single-phase, U—Pu carbide pellets, 23:3117
  - Unrestrained swelling and fission gas release experiments, 24:18785 (CONF-690910-, pp 118-26)
- MONTGOMERY, R. E. Annihilation of positrons in He, Ne, and Ar, 24:32636
- MONTGOMERY, R. M. Frequency conversion in the sheath capacitance of a glow discharge plasma, 23:3486
- MONTGOMERY, Robert L. Nondestructive stress measurement by x-rays, 24:14221
- MONTGOMERY, T. L. Derivation of gaseous release limits for the Browns Ferry Nuclear Plant, 25:56980
- MONTGOMERY, W. Two-variable expansions of relativistic amplitudes and subgroups of SU(2,1) group, 23:32780
- MONTGOMERY, W. A. Current trends in fish handling and processing, 24:29898
- MONTH, M. AGS low field correction elements, 21:38046
  - Analytical model for betatron parameters of AGS, 24:5357 (BNL-14139)
  - Distortions of the phase space behavior of a particle during one-third integral resonant extraction, 25:33937
  - Effect of random field errors with application to slow extraction, 25:45870
  - Effect on one-third integer resonant extraction due to sextupole fields in the lattice bending magnets, 25:33938
  - Effects of sextupole fields on slow extraction in a high field superconducting accelerator, 25:50522
  - Effects of sextupoles near a one-third integral τ value in AGS: theory, 21:37954 (BNL-11614)
  - Effects of sextupoles near one-third integral τ value in the AGS, 21:46606 (BNL-11759)
  - Error analysis of τ value measurements and an application, 25:38832
  - Explanation of τ shifts with momentum in AGS, 23:15297 (BNL-13316)
  - Gradient corrections for the AGS, 23:27978
  - Momentum compaction change with quadrupoles, 23:15295 (BNL-13314)
  - Shift of the τ value with sextupoles, 23:15296 (BNL-13315)
  - Sigma$\pi\pi$ mass enhancement and a nearby triangle singularity, 21:15359
  - Superperiod gradient perturbations in AGS, 21:29650 (BNL-11423)
  - Theoretical analysis of gradient perturbations in AGS, 21:46609 (BNL-11818)
  - Theory of dipole perturbations in AGS, 22:46563 (BNL-12756)
  - Theory of gradient perturbations in AGS, 21:9872 (BNL-10899)
  - Theory of resonant integer extraction from synchrotrons, 25:20145
  - Three turn resonant fast extraction, 23:44745 (BNL-13944)
- MONTH, Melvin Interpretation of the N* effect in deuteron Compton scattering, 21:25261
  - N in deuteron reactions, 21:1121 (AD-635915)
  - N* effect in deuteron Compton scattering, 21:892 (AD-635483)
  - Sigma pi pi mass enhancement and a nearby triangle singularity, 21:2464 (AD-634340)
  - Simple relativistic calculation of the electromagnetic form factors of the deuteron, 21:7477 (AD-633951)
  - Simple relativistic calculation of the electromagnetic form factors of the deuteron, 21:9744
  - Spin effects on triangle graphs, 21:2463 (AD-634339)
  - Spin effects on triangle graphs, 21:5396
- MONTI, A. Effects of ionizing radiation on human bone marrow, 25:21921
- MONTI, D. Neutron propagation through straight and bent cylindrical ducts, 23:13465 (AERE-R-5773(Vol.3), pp 657-709)
  - Neutron streaming through cylindrical ducts with two bends in water, 25:1874 (EUR-4498)
  - Neutron—attenuation experiments in iron—water configurations, 21:21003
  - Prog. rpt. on influence of nitrogen in iron and steel under fast neutron irradiation, final, 10/68, 23:41682 (EURAEC-2087)

- MONTI, H. Study of transformation kinetics of uranium alloys under small loads, 22:38576
- MONTI, L. M. Analyses of cross-pollination in wheat (T. durum) by means of a genetic marker, 21:20147
  - Dwarf-twisted: an induced mutation in Triticum Durum Desf, 24:27572
  - Mutations in peas induced by diethylsulphate and x-rays, 22:28413
  - Mutations induced in pea by x-irradiation, 24:27570
  - Preliminary data on radiation-induced gamete sterility in M_1 plants of Nicotiana tabacum, 21:32798
  - Response to chronic gamma irradiation of twenty-four pea genotypes, 23:38886
- MONTI, Luigi Experimental mutagenesis in Pisum sativum, 24:31917
- MONTI, R. Correlation of experimental data for nonequilibrium seeded plasma, 21:13555 (AGARD-CP-8(Vol.2), pp 443-71)
  - Generalized Saha equation for nonequilibrium two-temperature plasmas, 22:19981
- MONTI-BRAGADIN, C. Differential sensitivity to uv-irradiation of virus and cell genome expression in SV40 transformed cells, 25:42733
- MONTICONE, G. F. Correlations between time of cerebral circulation with radioisotopes and morphological aspects of carotid angiography, 21:26516
- MONTIEL, Milka M. Multiple basal cell carcinomas arising in radiated burn scars, 25:29701
- MONTIZAAN, J. keV neutron spectrometry by proton recoil technique, 25:1937 (RCN-122, pp 157-65)
- MONTMORY, M. C. Magnetic structure of Er_4WO_{11}, 25:5216
- MONTMORY, R. Isoepitaxy of silicon by thermal evaporation under ultrahigh vacuum, 21:34433
- MONTOGOMERY, John W. M17 and Taurus A: 3.4-millimeter contour maps and integrated fluxes, 25:40165
- MONTOIS, P. Core reactivity build-up with irradiation in the Latina nuclear power plant, 21:15687
  - ENEL's experience with on-line computers in nuclear power stations, 23:40301
  - Reactivity build-up in Latina Nuclear Power Plant, 21:27764
- MONTOJO, M. T. Effects of prior electrolysis on F-center growth in irradiated NaCl, 25:59164
- MONTOLI, E. First aid for injured personnel. II, 23:4988
- MONTOLOY, Francois Crystallographic data on some hydrated complexes of U(IV) fluoride with Ni, Co, or Cu, 22:42690
  - Crystallographic results on hydrated complex fluorides of U(IV) and zinc or manganese, 23:17431
  - Formation of complex hydrates from uranium pentafluoride and hydrated difluorides of cobalt, nickel, and copper, 23:6129
  - Formation of hydrated complexes starting with U(IV) and (V) fluorides and hydrated difluorides of cobalt, nickel, and copper, 22:27706
  - Formation of hydrated complexes starting with UF_4 from MnF_2 and $ZnF_2.4H_2O$, 23:7540
- MONTORSI, M. Research on strontium uranates, 25:49543
- MONTORSI, Margherita Studies of strontium uranates, 25:22196
- MONTORSI, Margherita Appendino Studies on copper uranate, 24:27877
- MONTORSI APPENDINO, Margherita Studies on calcium uranates, 23:45283
  - Studies on the UO_2—CaO system, 24:42270
- MONTOTO, A. Annihilation $e^+e^- \to \gamma \to$ antiNN*, 23:49079
- MONTOUR, J. L. RBE of 2.2 GeV protons for thymic and splenic weight-loss, 23:45904
- MONTOUR, James Effects of electrons on pig skin, 24:25573
- MONTOUR, James L. Abscopal radiation damage to chick thymus and bursa of fabricius, 25:42658
  - Chemical protection against involution of the chick thymus and bursa of fabricius following exposure to x-rays, thermal neutrons, or fission neutrons, 21:1771 (CONF-650560-19)
  - Radiation-induced involution of lymphatic organs, 23:10063
- MONTOUR, James Leonard Radiobiological studies in the young chicken, 22:8591
- MONTOYA, E. K. Case history: real-time process, 21:32061 (SC-DC-67-1773)
- MONTOYA, John Nuclear methods for the study of zinc metabolism, 21:35858
- MONTOYA, O. Effects of rf activated inert gas plasmas on critical surface tension and bondability of polydimethyl silicones and polyethylene, 25:57272 (SC-RR-710483)
  - Resistance of wire embedments in silver-filled epoxy adhesives, 21:39621 (SC-DR-67-425)
- MONTOYA, Orelio Outdoor aging of adhesive sealants, 25:12908 (SC-RR-70-163)
- MONTRET, J. C. Analysis of nuclear emulsions exposed to high flux, 24:39351
  - Analysis of recent experiments on the muon, 25:53007
  - High energy multiple Coulomb scattering in nuclear emulsions, 24:37609
  - Inelastic scattering of 12 GeV/c muons, 25:17367
- MONTRET, Jean-Claude Annihilation of 3-GeV/c antiprotons by nucleons of ionographic emulsion, 22:46332
  - Experimental evaluation of annihilation radiation of antiprotons at 3 GeV/c with atomic nuclei, 22:20129
- MONTRET, M. Production of hyperfragments and ^{6}Li fragments in interactions of mesons (K^-) at 10.1 GeV/c with emulsion nuclei, 22:24548
- MONTRET, Michele Evaporation of ^{6}Li nuclei in the interaction of K^- mesons at 10.1 GeV/c with nuclei of Ag and Br, 22:37335
- MONTROLL, Elliott W. Lectures on the Ising model of phase transitions, 25:27913
- MONTSCHINSKI, A. G. Analysis of data on multipurpose reactor installations, 23:21541
  - Investigation of the practicability of a reactor installation for sea water desalination, 22:39872
- MONTUELLE, J. Development work on stress-cracking corrosion of stainless steels, 24:39605 (EUR-4000)
- MONTUZNAYA,.L. A. Calculation of absorbed doses in intracavitary γ radiotherapy of uterine cervix, 25:32426
- MONTVAI, Attila Optimum schedule and sensitivity for non-destructive activation analysis, 21:19577
- MONTVAI, I. Current divergences, 21:7479 (JINR-E2-3039)
  - Current divergencies, 22:17882
  - Divergence of currents, 22:32099
  - Meson photoproduction and divergence conditions, 22:20185
  - Photoproduction of mesons and divergence conditions, 21:33640 (JINR-E2-3364)
  - Relativistic theory of SL(6,C) symmetry, 21:42425
  - SU(3): breaking as consequence of interaction of Hadron currents, 21:7536 (JINR-E2-3071)
  - Theory of relativistic SL(6,C) symmetry, 21:4067 (JINR-E2-2951)
- MONTVAY, I. Current algebra and pole dominated AAV vertex, 24:13138
  - Current algebra, pole dominance, and meson coupling constants, 22:29683
  - Current algebra, pole-dominance and meson coupling constants. II, 22:52974
  - Decays of the positive parity mesons in SU(6)W, 21:29613
  - Divergences of vector and axial—vector currents in strong interaction, 21:23346 (JINR-E2-3196)
  - Dual resonance model with two fermions, 24:10857
  - Factorization and cyclic structure in generalized Veneziano model, 24:18297
  - Factorization and cyclic structure in generalized Veneziano model, 24:49623
  - General sum rules from current-density algebra, 24:18099
  - Ghost killing with satellites, 25:7744 (NP-18543)
  - Higher meson resonances in SU(6) symmetry, 21:9824
  - K/sub l3/ form factors, current algebra, and double integral representations, 23:44633
  - Multilinear Lorentz-invariant functionals at physical points, 25:33878
  - Piπ scattering, current algebra, and the Virasoro model, 24:15558
  - Spin and unitary spin in Veneziano model I, 25:7568 (NP-18542)
  - Sum rules and covariance, 23:44609
- MONTVAY, Istvan Electron generation of pions, 23:39659
  - Photogeneration of meson—baryon resonances and strange particles, 23:39660
  - Photogeneration of pions, 23:39598
- MONTY, D. E. Radioiodine metabolism in the adult beagle, 23:12010 (UCD-472-115, pp 92-6)
- MONTZ, R. Objective detection of cerebral blood flow disturbances with /sup 99m/Tc, 25:11146
  - Radioactive Fe in haematological diagnosis, 23:31833
  - Role of the liver in ^{59}Fe kinetics, 24:50688
- MONY, C. N. A new method of opening up monazite, 23:388
- MONZANI, Ermelino Machine tool for cutting coaxial tubes of a pressure-tube reactor, 22:4263
  - Machine tool for cutting coaxial tubes of a pressure-tube reactor, 23:38153
- MOO, Charles A. Prog. rpt. on propagation of infrasonic waves in air, final, 1/64—2/67, 21:43887 (AD-650752)
- MOOBERRY, E. Metastable ions in the Bendix time-of-flight, 22:8408 (TID-24192)
- MOODER, L. E. J. Metallurgical properties of irradiated cold-worked Zr—2.5 wt. percent Nb pressure tubes, 25:4825
- MOODY, F. J. Liquid/vapor action in a vessel during blowdown, 21:17435 (APED-5177)
  - Liquid/vapor action in a vessel during blowdown, 23:21554
  - Model for two-phase critical flow and sonic velocity, 23:52468
- MOODY, H. D. Neutron radiography at Sandia Laboratories: its techniques and instrumentation, 25:54924 (SC-DR-710178)
- MOODY, H. L. Corrosion behavior of materials in propellant exhaust gases, 25:16414
- MOODY, L. S. Existing and projected plants and processes for thermal reactor fuel recovery: experience and plans, 25:37453 (A/CONF.49/P-65)
- MOODY, N. F. Versatile gamma-ray camera for dynamic or static isotope studies, 22:30828
- MOODY, Norman F. Survey of medical gamma-ray cameras, 24:19211
- MOODY, Robert Fluorescence detection: application to the study of cerebral blood flow, 24:12162
- MOOERS, A. R. Controlling reactor components, 23:47254 (CNM-R-2(Vol.3), pp 1327-32)
- MOOHR, J. W. Influence of polycyclic aromatic hydrocarbons on bacteriophage development. II, 21:22230 (ACRH-26, pp 95-105)
- MOOK, D. Spectroscopic observations of Scorpius X-1, 25:11600
- MOOK, D. E. Attempt to optically identify PSR 0833-45, 23:41812
  - Optical monitoring of Sco X-1 for 1967-1969, 25:9086
  - Optical observations of extrasolar x-ray sources, 24:44875
- MOOK, Delo E. Photometric monitoring of Sco XR-1, 22:799
  - Photometric monitoring of SCO XR-1, 22:11159
  - Polarization of Sco X-1, 21:20619
  - Results of simultaneous V and B monitoring of Scorpius X-1, 24:46926
  - UBV photometry of Sco XR-1, 22:800
- MOOK, H. A. Magnetically pulsed neutron beam for time-of-flight measurements of inelastic scattering, 22:24803
  - Magnetically-pulsed time-of-flight spectrometer for inelastic neutron scattering, 25:15928
  - Spin-wave dispersion relation for holmium in the spiral magnetic phase, 23:30650
- MOOK, Herbert A. Jr. Magnetically pulsed time-of-flight neutron spectrometer, 24:48305
- MOOK, W. G. Effect of Tunguska meteor and sunspots on radiocarbon in tree rings, 22:6485
  - Isotopic fractionation between gaseous and condensed carbon dioxide, 23:24298
  - Isotopic fractionation between gaseous and dissolved carbon dioxide, 24:5736
- MOOKERJEE, A. Effect of x-irradiation on hydra in the presence of arginine and citrulline and study of the radiolytic products, 25:2588
- MOOKERJEE, Anjali Extraction and x-ray denaturation studies of sponge and Hydra DNA, 22:51407
- MOOKERJEE, Sivatosh Formation of supernumerary surface layers in radiated amoebae, 25:11249
  - Regeneration time in irradiated hydras, 21:20368
- MOOKHERJI, T. Origin of diamagnetism in MgO and CdO, 24:47321
  - Semiconductivity in β-alanine, 24:47309
- MOOK II, Delo Emerson Study of Sco X-1, 25:13852
- MOOLENAAR, R. J. Structure of the aluminate ion in solutions at high pH, 25:104
- MOON, Arthur P. Conference on experimental malaria, Washington, D. C., 5/69, 24:2584
- MOON, C. L. Heavy water moderated nuclear power reactors, 24:45992 (AECL-3660)
  - Pickering generating station, 24:43614
- MOON, D. M. Mechanism and kinetics of bubble formation in doped tungsten, 25:55511
  - Sintering of doped tungsten powder, 24:4759
- MOON, Henry D. Suppression of the immune response to antigenic tumors in isogenic mice by whole-body irradiation, 22:8446
- MOON, Hyo Joong Mercury-203 neohydrin renal scanning in the diagnosis of advanced renal disease, 22:36333
  - Use of ^{203}Hg neohydrin in assessment of renal function in non-visualizing kidney, 24:6083
- MOON, J. R. Cracking in oxides on Zr alloys, 24:21424
  - Further comments on the nickel activated sintering of tungsten, 25:47109
  - High-resolution Bitter patterns on superconductors, 22:5294
  - Influence of defects on the structure of the intermediate state in superconductive lead, 22:24217
  - Landau structure of intermediate state in superconductive lead, 21:27085
  - Metallographic examination of general white spotting in oxide films on Zircaloy-2, 22:21720
  - Nickel activated sintering of tungsten, 25:16435
  - Oxidation of Zr—Cu—Mo and Zr—Cu—W alloys in steam at 400°C, 1500psi, 23:29970
  - Source of instability in Nb alloy superconductors, 22:44024
- MOON, John H. Recurrent neck mass following irradiation of Hodgkin's disease, 22:49566
- MOON, K. J. Reaction T(^{3}He,γ)^{6}Li in energy range 0.5 to 11 MeV, 23:15351
- MOON, Kuk Jin Highly excited states of ^{12}C and ^{16}O from ^{3}He capture studies, 25:12388
- MOON, L. L. Improved ionization counter resolution with FET preamplifier, 21:10645
- MOON, Norman F. Use of ^{18}F sodium fluoride in bone photoscanning, 22:38388
- MOON, P. B. Moessbauer spectrometer calibration, 25:3224
  - Moving-table Moessbauer spectrometer, 23:43576
  - Rapid estimation of component-separation in partly resolved doublets, 24:21011
- MOON, R. M. Antiferromagnetism in Cr alloys. I, 21:2319
  - Experimental studies of polarization effects in spin-wave scattering of neutrons, 22:26505
  - Magnetic properties of some alloys of thorium with holmium and erbium, 21:20511
  - Magnetic structures of Er_2O_3 and Yb_2O_3, 23:10719
  - Neutron-scattering experiments on gadolinium, 25:47633
  - On-line computer-controlled triple-axis neutron spectrometers, 24:9679
  - Paramagnetic form factor of gadolinium, 21:20512
  - Polarization analysis of thermal-neutron scattering, 23:39909
  - Scattering cross sections of the isotopes of dysprosium, 22:53211
  - Spin polarization of conduction electrons in Gd, 25:50019
- MOON, Ronald L. High-temperature phase equilibria in the lead titanate—lead zirconate system, 21:38856 (UCRL-17545)
  - High-temperature phase equilibria in the $PbTiO_3$—$PbZrO_3$ system, 25:27295
- MOON, S. F. Reactivity rate-constrained time-optimal neutron kinetics, 23:19563
- MOON, Suc Hyong Radiation protection study on the medical radiation facilities, 24:50910
- MOONEN, H. P. M. Gross radioactivity of airborne dust during 1965, 22:2227 (RA-29)
  - Gross radioactivity of airborne dust, 1966, 22:21208 (RA-31)
  - Simple method for determining radioactive contamination of milk after a reactor accident, 21:24417 (RA-8)
- MOONEN, W. A. Urological complications following treatment of carcinoma of uterine cervix, 22:47605
- MOONEY, Charles S. Simultaneous bilateral radical neck dissection, 24:36799
- MOONEY, E. F. Annual review of NMR spectroscopy. I, 22:46282
  - Annual review of NMR spectroscopy. II, 23:44562
- MOONEY, Edward Neutron activation studies of the Roanoke River system, 25:57395

MOONEY, J. B. Regrown p⁺ contact for lithium-drifted germanium gamma-ray detectors, 21:26176
MOONEY, J. R. Higher-order finite-difference solutions of Schroedinger equation for He atom, 25:11697
MOONEY, L. G. Calculations of fission-product gamma-ray doses in single-compartment above-ground concrete structures, 22:31889
  Calculations of fission-product gamma-ray doses in single-compartment above-ground concrete structures, 23:1505 (RRA-M-85)
  Calculations of weapon radiation doses in single-compartment aboveground concrete structures, 25:30633
  Calculations of weapons radiation doses in single-compartment aboveground concrete structures, 24:6606
  Differential measurements and calculations of fast-neutron air-ground interface effects, 24:32884
  Differential measurements of fast-neutron air—ground interface effects, 24:8514 (AD-694434)
  Differential measurements of fast-neutron air-ground interface effects, 25:30635
  Effects of neutron energy spectrum in air on the neutron induced dose in concrete underground structures, 21:36580 (RRA-M-65)
  Effects of neutron-energy spectrum in air on the neutron-induced dose in concrete underground structures, 21:7307
  Prediction of nuclear weapon neutron radiation environments, 24:6609
  Prediction of nuclear weapon neutron-radiation environments, 25:40729
MOONEY, Richard T. TV system for data blending of scintiscans, 23:50670
MOON SUC KYONG Medical study of Korean atomic bomb survivors, 25:27060
MOONTYAN, V. I. Linear electron accelerators for sterilization and radiation chemistry, 24:24485
MOOR, Arthur Equivalence theory of general metric line-element spaces, 21:7421
MOOR, Bluford L. Friction and wear of materials in sliding contact from room temperature to 1200 F in liquid K, 22:8826
MOOR, H. Freeze fixation of living cells and its application in electron microscopy, 25:51322 (ORNL-tr-2499)
MOORADIAN, A. J. Canadian nuclear fuel: challenges met and pending, 22:42152 (AECL-3067, pp 45-52)
  Irradiation facilities: their importance in developing Canadian nuclear competence, 25:51665 (A/CONF.49/P-152)
  Nuclear materials research, 22:49739
  Present status of Canadian organic-cooled reactor technology, 22:30327
  Status of Canadian organic cooled reactor technology, 22:16261 (AECL-2943)
MOORBATH, S. Application and interpretation of radiometric age data, 22:25518
  Lead isotope studies on igneous rocks, 23:17566
MOORCROFT, D. R. Correlation analysis of radio-auroral scatter signals, 24:45155
  Nighttime topside ionic composition and temperature, 23:10513
MOORE, A. D. L. Fabrication and mechanical properties of dispersion hardened Pu—1 wt. percent Ga alloy, 25:11359
MOORE, A. F. Conference on substorm events, Kiruna, Sweden, 3/69, 24:39927 (ESRO-SP-38)
MOORE, A. W. Pyrolytic graphite, 21:11274
  Pyrolytic graphite, 21:41642
MOORE, Alice E. Canine lymphosarcoma maintained in serial passage, 23:33655
MOORE, B. Prediction of creep collapse pressures and times for nuclear fuel cladding, 23:30035
MOORE, B. C. Cryogenic low-pressure seal, 21:10600
  Effect of localized gas densities on vacuum ionization gages, 21:34543
MOORE, B. M. Pneumatic system for transferring samples automatically between irradiation and detection positions, 22:35973 (LA-3862)
  Radiation leakage through pinhole collimators, 23:31574 (LA-4121)
MOORE, B. Shain Effects of x irradiation on larvae of Galleria mellonella, 21:11098
MOORE, Bailey Afterloading vaginal irradiators, 25:8736
MOORE, Bill M. Detection of plutonium penetrations through containers at high temperature, 21:19897 (LA-3654)
MOORE, Billy M. Short-lived delayed gamma-ray emission from fast fission of plutonium, 24:6886 (LA-4257)
MOORE, Billy Merle Short-lived delayed gamma-ray emission from fast fission of plutonium, 25:17899
MOORE, Byron Keith Thermal conductivity of superconducting niobium, 25:52743
MOORE, C. Computer programs for calculation of liquid-scintillation data, 25:18693
  Further evidence for baryon exchange from K⁺p backward elastic scattering, 22:20142
MOORE, C. A. Calculations of pressure-induced and thermal stresses for advanced test reactor fuel elements, 23:52407 (IN-1303)
MOORE, C. B. Neutron activation determination of gold in iron meteorites and inclusions, 22:18718
  Neutron activation determination of vanadium in iron meteorites and sulfide nodules, 22:30474
MOORE, C. Bradley Energy transfer between quantum states of HD, 24:23814
  Pulse-to-analog converter for optimizing signal-to-noise from photomultipliers at low light intensities, 22:28121
  Relaxation of asymmetric stretching vibration of CO_2 by collisions with H_2O, D_2O, and HDO, 24:22660
MOORE, C. David Fundamental modes of collisionless plasma, 22:36915 (N-68-22847)
MOORE, C. E. Future spectroscopy for late-type stars, 22:23971
  Instrumental analysis for trace elements present in Chicago area surface air, 24:31505
  Thermal neutron activation analysis of airborne particulate matter, 24:107
MOORE, C. F. Charge exchange effects in ^{80}Se(d,p)^{81}Se, 21:44643
  Charge exchange in ^{91}Zr(d,p)^{92}Zr, 21:46766
  Charge exchange in ^{91}Zr(p,d)^{90}Zr, 22:20610
  Coincidence spectra of ^{92}Mo(d,np)^{92}Mo reaction, 22:1681
  Decay of the 11.80 MeV isobaric analog resonance in ^{93}Tc, 23:5910
  Detection of internal conversion electrons in charged particle spectra, 24:13313 (TID-25300)
  Detection of internal conversion electrons in charged particle spectra, 24:29506
  Determination of the total widths of the single-particle analog resonances in ^{209}Bi, 22:29998
  Doublet [(^{208}Pb)$_3$—x(p/sub 1/2/)$^{-1}$] in ^{207}Pb, 23:8997
  Effects of charge exchange in ^{90} ^{91}Zr(d,p), 24:52594
  Isobaric analogue states in heavy nuclei. IV, 21:23522
  Isospin mixing and charge exchange interaction in (d,p) reactions on ^{90} ^{91} ^{92}Zr, 23:17106 (ORO-2972-86)
  Measurements of ^{90}Zr, ^{92}Zr, ^{92}Mo(p,p'e) through isobaric analog resonances, 24:22188
  Particle vibration coupling in ^{207}Pb, 23:7324
  Particle-gamma coincidence measurements, 24:52582
  Reaction ^{208}Pb(p,α)^{205}Tl at 16.475 MeV, 25:31383
  Spectra, 25:48116 (ORO-2972-196)
  Spin and parity measurements for analogue resonances in ^{90}Zr(p,p), 21:25523
MOORE, C. Fred Anomaly in analyzing power of ^{90}Zr(d,p$_0$)^{91}Zr, 23:23712
  BRIGIT, 21:40472 (ORO-2972-34)
  Experimental observation of the coupling of the analogous channels in a (d,p) and (d,n) reaction, 21:2757
  Experimental study of the structure of ^{90}Y, 22:20584
  Gross structure in excitation functions for ^{207}Pb(p,p')^{207}Pb, 23:47015
  Isobaric analog resonances in ^{92}Zr(p,p'), 24:24577
  Isobaric analog resonances in elastic and inelastic scattering of protons on ^{208}Pb, 22:14040
  Isobaric analog resonances in proton scattering from ^{124}Te, ^{126}Te, ^{128}Te, and ^{130}Te, 23:7305
  Isobaric analog resonances, 23:32966
  Isobaric analogue resonances in elastic and inelastic scattering of protons on ^{208}Pb, 21:19245 (ORO-2972-7)
  Isobaric-analog study of ^{90}Zr, 23:7300
  Neutron particle hole structure in ^{208}Pb, 22:9903
  Nuclear structure via analog states, 22:20631
  Nuclear-structure study of ^{92}Mo, 24:24576
  Particle-hole states in ^{208}Pb, 24:52629
  Proton decay of g/sub 9/2/ analogue resonance in ^{207}Bi, 24:13359
  Single-particle states built on the second 0^+ state in ^{90}Zr, 21:17381
MOORE, C. V. Design of barricades for hazardous pressure systems, 21:6163 (KAPL-M-6446(Rev.1))
MOORE, Caleb P. Method of measuring oil consumption in an engine, 23:50047
MOORE, Carl E. Studies in the tetraarylborates. IV, 23:17335
  Thermal neutron activation analysis of surface air, 24:9245
MOORE, Carl V. Progress in hematology. VI, 23:41366
MOORE, Carleton B. Distribution of total nitrogen in iron meteorites, 25:58423
  Lithium in chondritic meteorites, 25:6924
MOORE, Charles A. External irradiation: a successful modality in preventing hormonally induced gynecomastia, 21:28543
MOORE, Charlotte E. Bibliography on analyses of optical atomic spectra, Sect. IV, 24:30142 (NBS-SPEC. PUBL-306-4)
  Bibliography on analyses of optical atomic spectra, Sect. 3, 24:37188 (NBS-SPEC. PUBL-306-3)
  Bibliography on analyses of optical atomic spectra. I, 24:44991 (NBS-SPEC. PUBL-306-1)
  Ionization potentials and ionization limits derived from the analyses of optical spectra, 25:966 (NSRDS-NBS-34)
MOORE, Craig Damon Strange particle production in π^+ deuteron interactions at 2.05, 2.19, and 2.35 GeV/c, 25:43561
MOORE, D. J. Enzyme activity of donor origin in radiation chimeras, 23:38532
  Thermal stability of γ-irradiated Sr azide, 23:28902
MOORE, D. R. Engineering aspects of Nimrod thin septum extraction systems and components, 25:25574 (RHEL/R-209)
MOORE, D. T. Strontium-89 and ^{90}Sr in rain at Fayetteville (36°N, 94°W), Arkansas, 25:10710 (ORO-2529-28, App. 4)
  Temporal distributions of radioactivity and ^{89}Sr/^{90}Sr ratios during rainstorms, 25:10707 (ORO-2529-28, App. 1)
  Temporal distributions of radioactivity and ^{89}Sr/^{90}Sr ratios during rainstorms, 25:15791
  Variation of radiocerium isotope ratio in rain, 25:10709 (ORO-2529-28, App. 3)
MOORE, D. W. Flow of gas from the galactic center, 23:8419
  Solar spin-down problem, 21:33059
MOORE, Dan H. Physical techniques in biological research. Vol. II, Pt. B, 25:46493
MOORE, Darlene Evaluation of radiological conditions in vicinity of Hanford, 1965, 21:34649 (BNWL-316(App.))
MOORE, David W. Routine use of radiogold following operation for ovarian cancer, 22:28573
  Routine use of radiogold following operation for ovarian cancer, 24:889
MOORE, Donald A. Metallographic preparation of uranium—silicon alloys, 25:13742
MOORE, E. B. Neutron-shielding qualities of water-extended-polyesters, 25:7439
MOORE, E. C. Cytofluorograph system, 25:57249 (ORNL-TM-3536)
MOORE, E. J. Integral equation approach to electron—hydrogen collisions, 22:29185
MOORE, E. L. Chloride removal from Pu—U nuclear fuels, 21:34316 (ISO-SA-39)
MOORE, E. N. Character of the autoionizing D states in He, 22:17358
MOORE, E. Neal Configuration interaction in the helium continuum, 21:35009 (N-67-17775)
MOORE, Edwin A. Economic analysis of generation patterns on future power systems, 22:48649 (NEB-SS-21)
MOORE, Elliott Paul Stellar content of elliptical galaxies, 23:41878
MOORE, F. D. Orthotopic autotransplantation and allotransplantation of the liver, 22:19272
MOORE, F. H. Programs for the management and processing of neutron diffraction data, 25:36309 (AAEC/TM-578)
MOORE, F. L. Extracting soluble metal complexes using amine solvents, 23:2403
  Extraction of berkelium values in the tetravalent, 23:2402
  Isolation of ^{249}Bk from highly radioactive solutions and its determination by beta counting, 22:44995
  Method for removing lanthanides and trivalent actinides from aqueous nitrate solutions, 21:3166
  Method for separating members of actinide and lanthanide groups, 21:3165
MOORE, Fletcher L. Method of separating berkelium from cerium, 22:47231
  New method for rapid separation of Bk(IV) from Ce(IV) by anion exchange, 22:4249
  New method for separation of americium from curium and associated elements in the zirconium phosphate—nitric acid system, 25:28989
  Rapid separation of americium from transuranium elements, 23:2408
  Separation of californium from curium and berkelium from cerium by extraction chromatography, 21:25945
  Separation of Ce(IV) from Bk(IV), 23:47615
MOORE, Fletcher, L. Selective liquid-liquid extraction of berkelium(IV) with 2-thenoylitrifluoroacetone—xylene, 21:2951
MOORE, Francis D. Exchangeable K in man using a new radioisotope ^{43}K, 25:21535
  Prog. rpt. on study of transplantation of tissues in surgical research, annual, 6/16/68—6/15/69, 23:41258 (NYO-2265-15(Pt.1))
  Prog. rpt. on study of transplantation of tissues and organs, 6/67—6/70, 25:37197 (NYO-2265-16)
  Prog. rpt. on transplantation of tissues and organs, annual, 6/16/67—6/15/68, 23:9835 (NYO-2265-14)
  Radioisotope dilution techniques for measurement of body composition, 22:14462
  Reference models for clinical studies by isotope dilution, 24:13763
MOORE, Frank L. Jr. Analysis of spectrum of triply ionized Mn (Mn IV), 22:1002
MOORE, Fred C. Spectator particles and resonances, 25:28365
MOORE, G. E. Flame recombination of oxygen and hydrogen, 25:51110
  Infrared detection of nuclear reactor coolant impurities, 21:22189 (BNWL-377)
  Prog. rpt. in chemistry, annual, 5/20/68, 23:102 (ORNL-4306)
  Prog. rpt. on chemistry, annual, 5/20/69, 24:179 (ORNL-4437)
MOORE, George E. Reaction of $H_2 + D_2$ in equilibrium with 2HD catalyzed by molybdenum and observed by mass spectrometer, 22:37754
  Stimulation of autochthonous lymphocytes by normal and leukaemic cells, 25:21601
  Total scattering cross sections of hydrogen and deuterium by helium, 21:18446
MOORE, George, E. Interaction of nitrogen with Mo and reaction $^{28}N_2 + {}^{30}N_2$ reversible $2{}^{29}N_2$ catalyzed by Mo and observed by mass spectrometer, 22:37747
MOORE, Gordon E. Isolating entomogenous fungi and bacteria, and tests of fungal isolates against the southern pine beetle, 25:16379
MOORE, H. PNPF recovery core lower grid plate temperatures, 22:35421 (AI-AEC-Memo-12574)
MOORE, H. D. Jr. Stress corrosion of Be and Be—38 percent Al alloy in salt water environment, 24:12368
MOORE, H. G. Sol—gel thoria extrusion, 23:1022 (ORNL-4311)
MOORE, Harold J. Jr. Evaluation of high temperature stranded hook-up wire, 21:14920 (N-66-38945)
  Time-of-flight spectra of foil transmitted fission fragments of ^{252}Cf, 23:13263 (ORO-3638-6)
MOORE, Howard K. Conference on exploding wires, Boston, 10/67. IV, 23:10682
MOORE, J. Engineering and performance of steam generating heavy water reactors, 24:13529
  Some unexpected dosimetric problems in an apparatus for mammalian radiobiology, 25:13456
  Steam generating heavy water reactor, 25:54031 (A/CONF.49/P-483)
  Technological status of steam-generating heavy-water reactor, 25:28581
  Windscale AGR experience, 22:6055
MOORE, J. B. Body burden, distribution, and internal dose of ^{210}Pb and ^{210}Po in a U miner population, 25:55117
  Lead-210 and ^{210}Po in tissues of some Alaskan residents as related to consumption of caribou or reindeer meat, 24:19309
  Regional environmental considerations in evolution of operating experience with Southern California Edison Co. generating system, 24:45906 (CONF-700810-15)
MOORE, J. Cordell Future role of fossil fuels, 23:28380
MOORE, J. D. Prog. rpt. on environmental monitoring, annual, 1968, 23:29507 (TID-25018)
  Some (n,p) cross-sections of ^{46}Ti, ^{47}Ti, and ^{48}Ti, 25:59755

  Waste Solidification Engineering Prototypes, design verification testing of spray solidification equipment, 23:43489 (BNWL-1117)
MOORE, J. F. Nondestructive testing techniques for honeycomb heat shields. II, 22:271 (N-67-19360)
MOORE, J. G. Adsorption of protactinium on unfired Vycor, 21:30502 (ORNL-3950)
  Lifetimes and heights of O(^{1}S) in pulsating aurorae, 25:19578
  Preparation of thorium—uranium oxide sols by amine denitration, 21:36907
  Shock waves and transient loading from chemical reactions, 23:28507 (EUR-4101, pp 75-88)
  Solvent stability in nuclear fuel processing: cyclic irradiation studies of 15 vol percent TBP-n-dodecane, 25:6400 (ORNL-4618)
MOORE, J. H. Rocket measurement of the secondary electron spectrum in an aurora, 25:22416
MOORE, J. L. Hypoxia in radiobiology, 24:51018
  Interdependence of oxygen enhancement ratios for 250kVp x rays and fast neutrons, 22:6928
  LET as determinant of bacterial radiosensitivity, and its modification by anoxia and glycerol, 22:6929
  Role of dose rate, irradiation technique, and LET in determining radiosensitivities at low O concentrations, 22:28712
  Studies on liver DNA in tritiated kangaroo rats living at Sedan Crater, 22:49184 (UCRL-50461)
MOORE, J. M. Automatically converting a standard numerical strip printer so as to combine two-dimensional pulse analyzer information into a convenient page, 21:17916 (TID-23746)
  Cesium-137 content in the Pacific, 24:44145 (HASL-217, pp I.9-118)
MOORE, J. P. Electrical and thermal properties of NaCl structured metallic actinide compounds, 25:11494
  Thermal conductivity measurements on MgO, BeO, ThO$_2$, Th/sub x/U/sub 1-x/O/sub 2+y/, 21:31088 (ORNL-4121)
  Thermal conductivity of nearly stoichiometric single-crystal and polycrystalline UO$_2$, 25:24641
  Thermal conductivity of UO$_2$ at very high temperature gradients, 22:28935
  Thermal transport properties of limestone concrete, 23:46154 (ORNL-TM-2644)
MOORE, J. S. Chemical effects of γ-irradiation of aqueous solutions of heparin and keratan sulphate, 25:31978
  Nuclear safety criteria for the design of stationary pressurized-water reactor plants, 24:33380
  Pulse-radiolysis and spectral studies of the interaction of cetylpyridinium chloride and methylene blue with connective-tissue glycosaminoglycans and related compounds, 23:35238
  Radiation studies of aryl glycosides. I, 25:26303
  Radiation studies of aryl glycosides. II, 25:26304
  Radiation studies of aryl glycosides. III, 25:26305
MOORE, Jack B. Utility's role in nuclear safety research and development, 24:22373
MOORE, James D. Development of a spray calciner—melter, 21:10575 (CONF-660208-, pp 326-74)
MOORE, James G. Airborne scanning photometer measurements of conjugate aurora, 21:46223 (SC-DC-67-1986)
  Argon-40: excess in submarine pillow basalts from Kilauea Volcano, Hawaii, 22:51090
  Day airglow during solar eclipse of May 30, 1965, 22:9225
MOORE, James S. Review of engineering standards development for nuclear power systems, 25:28536
MOORE, John C. Radar studies of artificial plasma clouds. I, 24:10436
MOORE, John G. Extraction of Pu(VI) from nitric acid—uranyl nitrate solutions, 23:13827 (ORNL-4348)
  Sol—gel process for preparing ThO$_2$—UO$_3$ sols from nitrate solutions by solvent extraction with amines, 22:57 (ORNL-4095)
MOORE, John H. Jr. Ion impact spectroscopy: inelastic scattering of 150- to 500-eV H$^+$ and H$_2^+$ from N$_2$, CO, C$_2$H$_2$, and C$_2$H$_4$, 24:28101
  Ion-impact energy-loss spectrum of oxygen, 25:58753
  Ion-impact excitation of pure vibrational transitions in diatomic molecules, 23:46244
  Rotational excitation in ion—molecule collisions. II, 23:27378
  Rotational temperature of N$_2^+$ first negative system excited by low-energy electrons, 23:18425
  Vibrational excitation in ion—molecule collisions, 23:8457
MOORE, Jon Thomas Dislocation arrays: a theoretical investigation, 24:50290 (ORO-3108-102)
MOORE, Joseph B. Nickel base alloy, 23:41568
MOORE, K. E. Biaxial stress rupture testing of irradiated, ceramic-coated Incoloy 800, 24:32477
  Phase relationships in the (α + delta) region of Zr—H system, 22:52284 (AI-AEC-12703)
  Phase relationships in Zr—H system, 23:36267
  Phase studies of Zr—H system, 22:49853
MOORE, K. V. ACOUST: digital program for acoustic triangulation of nuclear vessels, 23:9241 (IDO-17280)
  Application of a lumped parameter bubble-rise model to coolant blowdown analysis, 21:7965
  Effects of state properties on high pressure compressible hydrodynamics, 25:31590 (CONF-710302-6)
  Heat transfer problems associated with the loft emergency-core-cooling program, 23:13540 (CONF-680832-5)
  RELAP2: digital program for reactor blowdown and power excursion analysis, 22:39773 (IDO-17263)
  RELAP3: a computer program for reactor blowdown analysis, 24:43788 (IN-1321)
MOORE, L. B. Recombination adjacent to deletions in Drosophila melanogaster, 22:31038
MOORE, Larry Joe Isotopic fractionation in Hawaiian volcanic gases, 23:2206
MOORE, M. A. Anomalous specific heat of Nb at 3°K, 25:52953
  Objection to Patashinskii—Pokrovskii theory of lambda transition in liquid ^{4}He, 22:1086
  Superfluid density and Patashinskii—Pokrovskii theory of liquid He near T/sub lambda/, 21:27081
MOORE, M. A. S. Chromosome marker studies in the irradiated chick embryo, 21:45714
  Density distribution analysis of in vivo and in vitro colony forming cells in developing fetal liver, 24:32229
  Density distribution analysis of in vivo and in vitro colony forming cells in bone marrow, 24:32228
MOORE, M. J. Pulsed linac neutron diffraction, 22:45327
  Radiation alarm system for scattered x rays, 22:49089
  Radiation production at RPI LINAC, 24:1686 (RPI-328-172)
MOORE, M. J. C. Diffusion of O in N in the pores of graphite, 24:39717
  Permeability of nuclear grade graphite to a variety of gases, 21:3543 (AERE-R-3994)
MOORE, M. N. Asymptotic neutron pulse velocity and the system dispersion law, 21:21382
  Autocorrelation technique for determining structure in fission cross section of ^{235}U and ^{239}Pu, 24:43474
  Determination of the phase of the transfer function using inherent noise, 21:38525
  Dispersion law of a moderator, 21:11953
  Dispersion relations satisfied by the neutron wave field, 24:28675 (ORNL-TM-2942)
  Intermediate structures in the fission cross sections of ^{235}U and ^{239}Pu, 23:37240
  Intermediate structures in the fission cross-sections of ^{235}U and ^{239}Pu, 24:30780
  Phenomenology of neutron wave and pulse propagation, 22:32995
  Physical criteria for limiting critical frequency of neutron waves, 23:17053
  Relationship between pulsed, poisoning, and wave experiments, 21:38656 (BNL-11556)
MOORE, M. S. $^3/_2^-$ ground state of ^{47}V, 21:7797
  Analysis of the fission and capture cross sections of the curium isotopes, 25:34098
  Fission and capture cross sections of some curium isotopes from the physics 8 nuclear explosion, 25:38987 (LA-4566)
  Fission and capture cross-sections of curium, 25:15090
  Fission, capture, scattering, and total cross-sections of ^{239}Pu, 25:15091
  Low energy neutron spectroscopy, 23:31054 (IN-1222)
  Neutron scattering cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 25:23035
  Neutron-induced fission cross section of ^{252}Cf, 25:48078
  Nuclear Cross Sections Advisory Committee, Idaho Falls, Idaho, 10/67, 22:20578 (WASH-1079)
  Reports to AEC nuclear cross sections advisory committee, 23:1882 (WASH-1093)
  Reports to AEC nuclear cross sections advisory committee, 23:28304 (WASH-1124)
  Reports to the AEC Nuclear Cross Sections Advisory Committee, Oak Ridge National Lab., Tenn., 4/69, 23:49398 (WASH-1127)
  Slowing of fission fragments in noble gases, 21:31806
  Tabulation of total neutron cross section of ^{233}U, 21:12014 (IN-1015)
  Total neutron cross section of ^{233}U, 21:42621
  Variation with neutron energy of the yield of high kinetic energy fragments from ^{233}U, ^{235}U, and ^{239}Pu, 21:7769 (IN-1033)
  Variation with neutron energy of the yield of high-kinetic-energy fragments from ^{233}U, ^{235}U, and ^{239}Pu, 21:31807
MOORE, Mark B. Mechanisms of erosion of ductile metals by solid impingement, 22:42575 (NYO-3477-12)
  Prog. rpt. on mechanism of erosion by impingement, 6/67, 21:30958 (NYO-3477-11)
  Prog. rpt. on mechanism of erosion of solid metals, 9/65—6/66, 21:6757 (NYO-3477-8)
MOORE, P. A. Isobaric analog resonances in proton inelastic scattering from ^{136}Xe, 24:40640
  Isobaric-analog studies with ^{107}Ag and ^{109}Ag, 23:31011
  Neutron particle—hole states observed by inelastic proton scattering from ^{136}Xe, 23:17110
  Nuclear structure studies from proton and deuteron induced reactions on ^{136}Xe, 23:42915 (ORO-2972-87)
  Reactions ^{136}Xe(d,p) and ^{136}Xe(d,t), 23:7303
  Resonances in proton elastic scattering from ^{136}Xe, 23:37275
MOORE, P. W. Polyethylene ampoule containers for radiation-sterilised parenteral solutions, 25:19164
  Radiation induced graft polymerization to cellulose, 24:7442 (AAEC/TM-503)
  Radiation induced graft polymerization of styrene to paper, 24:46242 (AAEC/TM-540)
  Radiation-induced graft polymerization to cellulose, 25:21019
MOORE, Patrick Allen Proton- and deuteron-induced reactions on ^{136}Xe, 24:18413
MOORE, Philip F. Drill core processing facility, 25:4307
  Drill core processing facility, 25:51794
  Versatile containment box system, 25:51671 (LA-DC-12533)
MOORE, R. Evaluation of particle sizing techniques, 21:4623 (LF-30)
  Kazakhstan reactor becomes operational, 23:31191 (AD-684695)
  Thermionic critical experiment for Doppler coefficient measurements, 22:48728 (GA-7472)
  Thermionic critical experiment: description and safety analysis, 24:4089 (GA-8091)
MOORE, R. A. Analysis of fuel-block worth measurements, 23:37742
  Doppler reactivities in a clean fast critical assembly, 24:33249
  Experimental kinetic studies on depleted-uranium sphere, 21:38186
  Fast critical experiments in support of thermionic reactor physics, 23:21513 (GA-8767)
  Fast neutron spectra in multiplying and non-multiplying media, 22:29829 (GA-8551)
  Fast neutron spectrum for subcritical section of homogeneous ^{235}U-polyethylene critical assembly, 23:33112
  Fast spectrum measurements on a subcritical section of the Thermionic Critical Experiment, 23:37650
  Fast-neutron spectra in a depleted-uranium sphere, 21:38211
  Integral tests of ENDF/B and GAM neutron cross-section data, 24:11306
  Measurement and analysis of Doppler reactivities in the Thermionic Critical Experiment, Assembly No. 1, 25:26021 (GA-10152)
  Reactivity worth measurements and analysis in the thermionic critical experiment, 23:37646
MOORE, R. B. Half lives of the 243-keV and 188-keV levels in ^{131}I, 21:10062
  Reactions (p,d) on light nuclei at 100 MeV, 22:5766
  Scattering of protons on Li, Be, and C at 100 MeV, 21:5498
  Simple versatile cryostat for encapsulated detectors, 23:43534
MOORE, R. David Electrohydrodynamic ion source, 24:8381
  Solar wind engine, 21:15012
MOORE, R. E. Behavior of refractory materials under irradiation, 23:25022 (ORNL-4390, pp 113-14)
  Behavior of refractory materials under irradiation, 23:48575 (ORNL-4420, pp 119-22)
  Behavior of refractory materials under irradiation, 24:4858 (ORNL-4440, pp 111-13)
  Effects of fast neutrons on polycrystalline alumina and other electrical insulators at temperatures from 60° to 1230°C, 25:32313 (ORNL-4678)
  Fast neutron effects on the carbides of Ti, Zr, Ta, Nb, and W, 22:21779
  Fast-neutron irradiation effects on electrical insulators, 23:25023 (ORNL-4390, pp 115-20)
  Fast-neutron irradiation effects on electrical insulators, 23:48528 (ORNL-4420, pp 123-30)
  Fast-neutron irradiation effects on electrical insulators, 24:4859 (ORNL-4440, pp 114-16)
  Fast-neutron stability of refractory metal carbides, 23:36282
  Irradiation damage to Al oxide exposed up to 5 x 10^{21} n/cm^2, 21:36948
  Irradiation damage to Al$_2$O$_3$ exposed to 5 x 10^{21} fast neutron, 21:46020
  Irradiation damage to sintered BeO, 21:11327
  Techniques for irradiating high temperature materials in a steep flux gradient, 21:20591 (CONF-660511-, pp 1.7.1-16)
MOORE, R. J. Absorptive corrections to Regge-pole exchanges, 23:19019
  Analyticity, covariance, and unitarity in indefinite metric quantum field theories, 25:36563 (ORO-3992-26)
  High-energy approximations in potential scattering theory, 24:40496
  Shadow channels in potential theory, 25:50189 (ORO-3992-48)
MOORE, R. L. Applications of solvent extraction techniques to the large-scale recovery and purification of fission product elements, 22:16694
  Closed-circuit television viewing in maintenance of radioactive systems at ORNL, 21:7954
  Closed-circuit television viewing in maintenance of radioactive systems at ORNL, 22:43157 (ORNL-TM-2032)
  Instrumentation and controls development for molten-salt breeder reactors, 21:30166 (ORNL-TM-1856)
  Large-scale recovery and purification of fission products, 24:22750
  Preliminary measurements of electromagnetic radiation fields near microwave ovens, 24:4626
  Prog. rpt. on isotope development programs, 7—9/67, 22:28010 (BNWL-681)
  Prog. rpt. on isotope development, 10—12/67, 22:16768 (BNWL-680)
  Structure of the chromosphere—corona transition region, 25:43068 (N-71-19294)
  Wave types and their properties in a uniform warm viscous plasma with electron drift, 23:25413
MOORE, R. S. Four-prong annihilation of 1.2 GeV/c antiprotons in hydrogen. I, 22:39258
  Four-prong annihilation of 1.2 GeV/c antiprotons in hydrogen. III, 23:27742
  Four-prong annihilation of 1.2 GeV/c antiprotons in hydrogen. II, 23:36830
  Spin and parity of A$_2^{+-}$ produced in anti pp annihilations, 22:26563
  Structure of the (rho π) decay of the A$_2$ meson, 23:44604
MOORE, R. T. Effects of 2450 MHz microwaves on protein synthesis and on chromosomes in Chinese hamsters, 24:12053
  Radiological health aspects of oil well logging, 22:28489
MOORE, R. V. Advanced types of nuclear power reactors, 23:13429
  Experience with gas-cooled reactors, 24:18569
  Fast breeder reactor power stations, 23:21453
  Nuclear power, 25:28544
  Outlook for nuclear power, 21:38594
  Present and future types of fast breeder reactors, 22:18524
  Review of experience with gas-cooled reactors, 23:23830
  Review of experience with gas-cooled reactor power stations, 23:31136
  SGHWR system, 23:13390
MOORE, R. W. 1000-MWe LMFBR accident analysis and safety system design study. Accident-initiating conditions. Part 1. Flow abnormalities. Topical report, 25:28731 (BAW-1350)
  1000-MWe LMFBR accident analysis and safety system design study, 25:28729 (BAW-1342)

  1000-MWe LMFBR accident analysis and safety system design study. Topical report: local core faults, 25:51132 (BAW-1362)
  Application of the generalized Veneziano model to $K^-p \rightarrow K^{*-}\pi^+n$, 24:40403
  Generalized Veneziano model for $\pi^-p \rightarrow K^0$ anti K^0n, 25:59492
  Local flow blockage effects in an LMFBR fuel pin bundle, 25:57076 (CONF-710302-(Vol.1), pp 102-19)
  Regge quark model for $0^{-1}/_2^+ \rightarrow 0^{-1}/_2^+$ scattering, 25:25450
  Reggeized U(6) X U(6) X O(3) absorption model for $\pi^-p \rightarrow \pi^0n$, 24:40400
  Reggeized U(6) x U(6) x O(3) absorptive peripheral model for O^-/sup 1/2/$^+ \rightarrow O^-$/sup 1/2/$^+$, 25:1536
  Reggeized U(6) x U(6) x O(3) and absorptive correction cuts for $0^-1/2^+ \rightarrow 0^-1/2^+$ charge-exchange reactions, 24:13102
  Reggeized U(6) x U(6) x O(3) and absorptive correction cuts for $K^+n \rightarrow K^0p$, 24:28556
  Reggeized U(6) x U(6) x O(3) and absorption model for $\gamma p \rightarrow \pi^+n$, 24:37701
  Removal of baryon parity doublets in Veneziano model for meson baryon scattering, 25:33759
  Residue recurrence relations for Veneziano model, 25:33868
  Toward inclusion of spin in generalized Veneziano model for $K^-p \rightarrow \pi^-\pi^+\Lambda$, 25:14716
  Veneziano model for $K^- p \rightarrow K^{*-}\pi^+n$ and $K^-p \rightarrow$ anti $K^{*0}n$ taking some account of spin, 25:45756
MOORE, R. W. Jr. Design study for vacuum pumping system for 500 MeV H^- cyclotron, 24:15725 (TRI-69-9)
MOORE, Raymond H. Polonium recovery, 21:3162
  Process of preparing an adsorbent, 21:25961
MOORE, Raymond T. Changing role of Bureau of Radiological Health, 24:34366 (CONF-690335, pp 4-8)
  Conference on reduction of radiation exposure in nuclear medicine, Michigan State Univ., 8/67, 23:12090
  Methods to reduce radiation exposure in diagnostic radiology, 23:50550 (PHS-999-RH-33, pp 72-7)
  Off-site medical planning and management for an experimental underground nuclear detonation, 25:55249
  Place of federal law in laser safety, 24:21201
  Radiological health aspects of oil well logging, 21:30810
  Role of the Public Health Service, 24:23233 (SWRHL-82, pp 721-8)
  X-ray experience during pregnancy, 21:26593
MOORE, Richard Computerized system in processing of radioassay data, 22:14931
  Digital computer for processing data from calibration experiments of surveymeters, 23:33415
  Evaluation of the significance of the contribution of coherent scattering of an X ray beam to darkening of radiographic film, 25:4640 (CONF-700515-, pp 205-23)
MOORE, Richard B. Chromatography, 24:26964
MOORE, Richard L. Experimental study of scattering from a plasma column, 24:8510
  Standing radial waves as diagnostic tools, 24:26161
MOORE, Robert John Reggeized-absorption model and related matters, 25:5433
MOORE, Robert L. Comparison of microwave detection instruments, 25:23905 (BRH/DEP-70-26, pp 423-30)
  Microwave oven test load evaluation and determination of internal microwave energy distribution, 24:50936 (BRH/DEP-70-23)
  Response of Microlite 287 probe to microwave fields, 24:44344 (BRH/DEP-70-20)
MOORE, Robert R. Frequency response of Sheffield Electrojets, 22:37632 (RFP-1034)
MOORE, Robert Y. Juvenile hyperuricemia with neurological manifestations, 22:12743 (ACRH-1000-32)
MOORE, Robin G. Nuclear weapon environment, 21:10969
MOORE, Roger H. Dead time analysis of the counting data from a decaying source, 21:19926
  Using nonlinear least-squares methods for quantal response and sensitivity analyses, minimum chi-square estimation, and differential equations, 22:6207 (LA-3763)
MOORE, Ronald D. Rose bengal liver and abdominal scans in diagnosis of jaundice, 23:33754
MOORE, S. E. Anisotropic elastic—plastic stress analysis of a thick-walled graphite cylinder, 23:22653 (ORNL-4391)
  Beta-gamma directional correlation in the decay of ^{144}Pm, 21:12055
  Viscoelastic analysis of graphite under neutron irradiation and temperature distribution, 24:1969 (ORNL-TM-2407)
MOORE, S. O. Calculations of inelastic scattering of neutrons by nuclei. II, 22:3658
  Optical model analysis of elastic scattering of neutrons by lead isotopes and bismuth at 0.5, 1.0 and 2.5 MeV, 23:52142 (BNL-50151)
MOORE, Terry L. Mechanical property and interface reaction studies of titanium—alumina composites, 25:22155
MOORE, Thomas C. Hazard in clinical renal transplantation. III, 24:906
  Hazard in clinical renal transplantation. I, 24:29718
  Hazard in clinical renal transplantation. II, 24:29719
MOORE, Thomas J. Brazing tungsten for high-temperature nuclear service in hydrogen, 21:26765 (NASA-TN-D-3944)
MOORE, Thomas M. Radiation safety recommendations for x-ray diffraction and spectrographic equipment, 23:16290 (MORP-68-14)
  Radiation survey of television repair shops in Baltimore area, 25:29512 (BRH/DEP-71-4)
MOORE, V. A. Jr. Instrumentation for nuclear power plant control, 25:39163 (IAEA-119, 29p.)
MOORE, V. C. Individualized lung shields constructed from lead shot embedded in plastic, 23:35830
MOORE, V. S. Composition, microstructure, and protection afforded by several commercial coatings on two nickel-base alloys, 25:16403 (AGARD-CP-73-71, Paper 22)
  Progress in the coating of refractory metal foil, 21:9068
MOORE, Valerie Effect of x-radiation on salivary gland growth in the rat. I, 24:14586
  Effect of x-radiation on salivary gland growth in the rat, 24:34684
MOORE, Vaughn C. Construction of compensators for cobalt teletherapy, 24:36476
MOORE, Vaughn Clayton Computer analysis and synthesis of ^{60}Co isodose curves, 23:45748
MOORE, Vernon L. Positioning device for a radiation shield having means for cooling said shield, 22:47270
MOORE, W. E. CVTR summary report, 24:30980 (CVNA-281)
  Doppler broadening of resonances and inelastic neutron scattering in uranium carbide, 22:32438
  DREDFUL: system of programs for reduction of neutron inelastic scattering data, 24:5379 (KAPL-3356)
  Epithermal neutron inelastic scattering and scattering law for H_2O, 21:33856 (KAPL-P-3338)
  Epithermal neutron inelastic scattering by polyethylene, 22:5709 (RPI-328-102)
  Improved theoretical cross section for polyethylene, 24:6813
  Improved theoretical cross section for polyethylene, 24:15758 (KAPL-P-3860)
  Inelastic neutron scattering in metal hydrides, UC and UO_2, and applications of the scattering law, 22:29864
  Monte Carlo evaluation of multiple scattering and resolution effects in double-differential neutron scattering cross section measurements, 25:20235 (RPI-328-211)
  Neutron inelastic scattering by zirconium hydride, 21:7680
  Recent low energy inelastic scattering results for metal hydrides and uranium carbide, 22:3592 (RPI-328-101)
  Space—time kinetics experiments and calculations for a loosely coupled core, 25:6185
  Temperature dependence of neutron inelastic scattering from water, 25:12342 (RPI-328-210)
  Time domain noise measurements in loosely coupled cores, 24:20604 (KAPL-P-3873)
  Treatment of experimental resolution, 25:50833
MOORE, W. H. Energy-level structure of ^{131}Te from ^{130}Te(d,p)^{131}Te reaction, 21:44681
  Highly excited states seen in reaction ^{12}C(^{16}O,p)^{27}Al, 25:59714
  Nuclear structure studies in Te isotopes, 23:4026
  Nuclear structure studies in Te isotopes: ^{124}Te(d,p)^{125}Te reaction, 24:3939
  Nuclear structure studies in the Te isotopes: ^{125}Te(d,p)^{126}Te reaction, 25:17890
  Radiosensitivity of immune responses, 25:4470
  RBE of 2.2-GeV protons for 30-day lethality in mice 23:6589
  Reaction (^{128}Te(d,p)^{129}Te) at 7.5 MeV bombarding energy, 22:3732
  Sand as a side shield for 30 GeV protons stopping in AGS, 21:17199 (BNL-11109)
  Sand as side shield for 30 GeV protons stopping in Brookhaven AGS, 21:46629
  Source functions and transport losses for 28-GeV external proton beam, 25:45873
  Study of ^{35}Cl levels by ^{34}S(^{3}He,d)^{35}Cl reaction, 24:3898
  Theory and design of beam transport systems, 22:20362 (BNL-12138)
MOORE, W. H. Jr. Counter telescope measurements of a beam of negative π mesons, 25:42141
MOORE, W. L. Fabrication of ORNL series I irradiation test capsules for Experimental Breeder Reactor II, 24:36953 (ORNL-TM-2922)
MOORE, W. S. Ratios ^{234}Th/^{238}U in ocean, 23:33282
MOORE, W. T. ASME performance test code for nuclear reactor fuel, 22:28885
MOORE, Walter J. Paramagnetic resonance of metal ions and defect centers in topaz, 21:12468
MOORE, Wellington Jr. Biological aspects of laser radiation, 24:25499
  Biological aspects of laser radiation: a review of hazards, 25:19133 (NP-18714)
  Chromosomal changes in Chinese hamster thyroid following x-irradiation in vivo, 23:20323
MOORE, Willard S. Amazon and Mississippi river concentrations of U, Th, and Ra isotopes, 21:32270
  Measurement of ^{228}Ra and ^{228}Th in sea water, 22:45205 (TID-24654)
  Measurement of ^{228}Ra and ^{228}Th in sea water, 23:9314
  Oceanic concentrations of ^{228}Ra, 24:333
  Oceanic concentrations of ^{228}Ra and a model for its supply, 24:44147 (TID-25493)
  Thorium-234 disequilibrium in ocean, 22:49182 (TID-24637)
MOORE, William H. Beam stop for 28 GeV/c protons, 24:3794 (BNL-14106)
  Beam stop for 28 GeV/c protons, 24:45649 (CONF-691101-, pp 836-42)
  Beam stop studies at the brookhaven ags, 24:45640 (CONF-691101-, pp 440-6)
MOOREHEAD, J. B. Isobaric analog resonances in the scattering of protons by ^{114}Cd, 21:46762
MOORES, B. Michael MOSFET gate, 24:36666
MOORES, D. L. Ionization of Li^+ and Mg^+ by electron impact, 24:17673
  Quantum defect theory. V, 22:2786
  Scattering of electrons by Mg^+ and Ca^+ ions, 22:43932
MOORHEAD, G. Progress with a minimum guidance program at CERN and RHEL, 21:41267
MOORHEAD, J. B. Anomaly g/sub $^7/_2$/—h/sub $^{11}/_2$/ in stripping studies near A = 110, 23:15441
  FORTRAN nuclidic-mass table with self-modification feature, 25:5735
  High-resolution studies of (d,p) reactions on ^{114}Cd and ^{115}In, 22:14037
  High-resolution study of the ^{54}Fe(t,p)^{56}Fe reaction, 21:31760
  Nuclear-structure studies in Mo and Nb isotopes via stripping reactions at 12 MeV, 24:1863
  Nuclear-structure studies with (d,p) reactions on ^{104}Pd and ^{108}Pd, 21:44696
MOORHEAD, James Bennett Spectroscopic studies of nuclei in mass region 90 to 124, 23:13299
MOORHEAD, John F. Efficiency of scintillation counting of tritium-labeled DNA-protein, 21:33
MOORHEAD, Paul E. Refractory alloys for isotope containment, 24:23461
  Survey of properties of T—111, 25:652 (N-70-30113)
MOORHOUSE, Dennis Removal of sheaths from fuel elements, 24:19064
MOORHOUSE, R. G. Analysis of pion photoproduction in the second resonance region, 22:5537
  Charged pion photoproduction in the quark model, 25:1448
  Partial wave analysis and experiment in πN reactions, 25:53179 (UCRL-20655, pp 169-75)
  Pion—nucleon interactions, 24:15595
  S/sub $^1/_2$/ and D/sub $^3/_2$/ N^* resonant states and their Nπ and Neta decay modes, 22:9601
  Sidewise dispersion relations, 23:21071
  Single pion photoproduction in second resonance region, 25:3313
  Strangeness + 1 baryons in U(6) x U(6), 21:37886
  SU_3 x SU_3 representation mixing and electromagnetic form factors, 24:18250
  What is resonance, 25:7632
MOORING, F. P. Polarization in the small-angle scattering of 0.83-MeV neutrons by U, 21:21548
  Properties of the 3.39-MeV state in ^{12}B, 23:30945
  Small-angle scattering of neutrons by heavy nuclei, 23:15442
  Total neutron cross sections of ^{6}Li, ^{7}Li, and Li from 10 to 1236 keV, 23:5831
MOORING, Rose-Marie Ionization measurements and energy required to form an ion pair in γ irradiated gases, 23:17496
MOORMANN, Wichen Thermodynamical properties of superconducting contacts, 22:11340
  Transition temperatures of double-layer superconductors, 21:2176
MOORTHY, P. N. Effect of acids on gamma-radiolysis of frozen aqueous systems, 24:20797
  Electron trapping in γ-irradiated organic glasses, 21:8346
  ESR studies on γ-irradiated frozen aqueous solutions of Na formate, 24:27148
  Gamma radiolysis of frozen aqueous solutions, 23:249
  Hydrogen abstraction by primary species in the radiolysis of frozen aqueous system, 25:2293
  Nature of mobile and trapped species formed during γ-radiolysis of frozen systems, 24:50403 (CONF-690916-(Vol.2), pp 186-95)
  Polaron model of the solvated electron, 24:18054
  Radiation induced sulfochlorination of hydrocarbons, 24:11543 (BARC-420)
  Radiolysis and the photolysis of frozen ammonia—water systems, 21:3128
  Rate constants of reactions of photogenerated solvated electrons with monomers, 25:57475
  Study of wood plastic combinations, 22:52302 (BARC-331)
  Wood—plastic combinations. II, 23:24211 (BARC-369)
MOORTHY, P. S. Effect of thymic irradiation on the development of new-born mice, 22:36358
MOORTHY, V. K. Characterisation and sinterability of urania powders, 24:12461 (BARC-413)
  Development of high density and controlled microstructure in sintered urania pellets, 22:38598 (BARC-314)
  Development of high temperature ceramic materials, 25:27280 (INIS-mf-12)
  Development of high temperature ceramic materials, 25:45110
  Electrical conductivity of UO_2, 24:2913 (BARC-358)
  Evaluation of crystallinity of urania powders by streaming potential studies, 25:19266
  Influence of microstructure on properties of ceramic products, 25:27282 (INIS-mf-14)
  Influence of microstucture on the properties of ceramic products, 25:45147
  Kinetics of sintering of UO_2, 22:52238
  Kinetics of sintering of UO_2, 23:6714 (BARC-346)
  Literature survey on plutonium bearing carbide fuels properties and potentials of uranium-plutonium carbides as fast reactor fuels, 25:24625 (BARC/I-61)
  Preparation of high density UC pellets, 23:48517
  Preparation of high density uranium monocarbide pellets, 22:38599 (BARC-319)
  Role of crystallinity in the sintering of urania powders, 23:27183
  Role of crystallinity in the sintering of urania powders, 25:19265
  Sintering of beryllia. II, 22:23866
  Sintering of beryllia. III, 25:4837
  Sintering of beryllia. IV, 23:6713 (BARC-323)
  Sintering of thoria powders. IV, 22:19633
  Sintering of thoria powders. V, 25:4836
  Sintering of UO_2: relation between electrical conductivity and microstructure of sintered UO_2, 25:8908 (BARC-507)
  Sintering of urania powders, 22:45809
MOOS, H. W. Conference on optical properties of ions in crystals, Baltimore, 9/66, 23:36798
  Effective density of phonon states for $NdCl_3$, 23:1559
  Far-ultraviolet altitude profiles and molecular oxygen densities in an aurora, 24:17761
  Far-ultraviolet spectral intensity of B3 V star, 22:49899
  Lyman-alpha emission from Arcturus, 25:30070

  - Multiphonon orbit—lattice relaxation in LaBr$_3$, LaCl$_3$, and LaF$_3$, 22:7383
  - Multiphonon orbit-lattice relaxation of excited states of rare-earth ions in crystals, 22:48183
  - Nighttime molecular oxygen densities in 100- to 130-km region, 23:25230
  - Rare-earth infrared lifetimes and exciton migration rates in trichloride crystals, 22:50244
  - Rocket photometry of far UV twilight airglow, 22:2929
  - Rocket twilight observations of H I 1216-Å horizon brightening near 150 km, 25:27615
- MOOS, H. Warren Ultraviolet spectra of Venus and Jupiter, 23:20660
- MOOS, W. S. Chemical radiation dose indicator, 24:23032
  - Direct and indirect effect of x irradiation on conditioned avoidance behavior, 23:31925
  - Dose reduction factor produced by topically applied dimethyl sulfoxide, 22:40755
  - Effect of DMSO on post-irradiation saccharin avoidance in mice, 21:30852
  - IAEA dose comparison program, 25:35141
  - Induction of post-irradiation conditioned avoidance behavior by intraperitoneal injection of brain tissues, 24:51032
  - Possible effect of radiation produced hydrogen peroxide on post-irradiation aversion in mice, 22:23613
  - Postirradiation avoidance and recovery of preference of saccharin sodium in mice, 24:6123
  - Radiation induced avoidance behavior transfer by brain extracts of mice, 24:12302
  - Radioprotective effect of topically applied dimethyl sulfoxide on mice, 21:14689
  - Radioprotective effects of dimethyl sulfoxide vapor on mice, 22:31252
  - Thermoluminescent characteristics of reactor concrete, 25:47193
- MOOS, Walter S. Radiation protection by topical DMSO application, 21:28558
  - Review of the IAEA activities in radiation dosimetry, 24:21171
- MOOTZ, D. Crystal structure of aquo acids and oxonium salts. V, 24:26853 (ANL-Trans-795)
- MOOY, J. H. Radiation damage and stage III annealing of Mo, 24:39676
- MOOY, J. H. M. Gas phase ESR spectra of ^{31}P, ^{75}As, ^{121}Sb, and ^{123}Sb, 25:36345
- MOO-YOUNG, G. A. Measurement of the stark broadening of the resonance lines of neutral argon and neon, 25:9171
  - Stark broadening of two neutral He lines in plasma, 22:38753
- MORA, Peter T. Radiation effects on growth of mouse fibroblasts, 22:49218
- MORA, S. Analyzing power of emulsions on polarized protons emitted in decay $\Sigma^+ \rightarrow p + \pi^0$, 22:41727
  - Hyperfragment production in Σ^--at-rest capture stars, 22:7437
- MORABITO, J. J. Sodium system maintenance, 22:46960
  - US sodium components programme, 22:18504
- MORACIC, Lj. Contamination of environment of Serbian territory, 24:41790
- MORACK, J. L. Measured lifetime of (3p^{5}4s)^{3}P$_1$ state of argon, 22:953
  - Method for time sampling the anode current of magnetic electron multipliers, 23:9706
- MORACZEK, Adolf Phenomenology of radiation effects on organs and organ systems. II, 22:12901
- MORAFF, Charles A. Viscous inner structure of zero Prandtl number shocks, 25:33278
- MORAGNE, Mary E. Polymorphous light eruption, 22:19446
- MORAGUES, J. A. Correlations between (n,γ) and (d,p) reactions on N = 82 nuclei, 23:15476
  - Decay of /sup 110,110m/Ag to ^{110}Cd, 21:34002
  - Gamma spectrum of /sup 106m/Ag, 22:5839
  - Internal conversion coefficients of high-energy gamma rays, 22:50623
  - Level structure of ^{141}Ce from ^{140}Ce(n,γ)^{141}Ce reaction, 24:40637
  - Reaction ^{135}Ba(n,γ) and level structure of ^{136}Ba, 23:42949
  - Reaction ^{137}Ba(n,γ) and level structure of ^{138}Ba, 22:53202
  - Reaction ^{138}Ba(n,γ)^{139}Ba and evidence for direct capture, 23:37279
  - Time dependence of Moessbauer scattered radiation, 22:36982
- MORAI, M. Determination of Ta by neutron activation analysis, 23:24121
- MORAIT, Margareta Determination of neodymium and praseodymium in misch metal, 25:2077
  - Method for the photometric determination of cerium content in steel, 23:15793
- MORAITIS, G. Horizontal travelling waves during the onset of magnetic storms, 24:45152
  - Travelling ionospheric disturbances during March 7th solar eclipse, 24:37375
- MORAITIS, George 40 MHz ionospheric scintillation and the sporadic-E layer, 24:45122
  - Behavior of f$_0$F2 during May 20, 1966 solar eclipse, 22:47909
- MORAL, F. R. Corrosion of cobalt and cobalt alloys, 24:17213
- MORALES, A. Higher symmetries, 22:48331 (CERN-68-23(Vol.1), pp 235-364)
  - Use of ^{32}P to treat bone pain, 24:51010
- MORALES, C. Gloeosporium musarum and C. gloeosporioides: physiology and host—parasite interactions on banana fruits, 23:50277 (NYO-2043-195, pp 39-62)
  - Physiological studies on the radiation-induced dwarf bean mutant, 23:9913 (NYO-2043-173, pp 38-47)
  - Physiological studies on the radiation-induced dwarf bean mutant, 23:48011 (NYO-2043-194, pp 43-52)
- MORALES, E. Effects of gamma radiation on the forest at El Verde, 25:21928 (TID-24270, pp D.3-75)
- MORALES, J. O. Tumor localizing agents. III, 22:10820
- MORALES, J. R. Detection efficiency of a plastic scintillator for 20- to 170-MeV neutrons, 23:19980
- MORALES, P. Mass spectrometer with triple collector for high-precision analysis of isotopic standards of carbons and oxygens, 25:51945
- MORALES, R. Angular correlation measurements of ^{12}C(n,n'γ)^{12}C at 14.7 MeV, 21:23421
  - Correction of moment method for finite range of integration and its application to lifetime analysis, 22:46847
- MORALES, Reynaldo Positron lifetimes in lithium—ammonia solutions and methods of data analysis, 21:46169
- MORALES AMADO, A. Nuclear reactor center of Mexico, 23:47262 (CNM-R-2(Vol.3), pp 1630-44)
  - Optimization of reactor irradiation schedules for radioisotopes production according to demand, 23:325
  - Optimization of the reactor irradiation schedule, 23:45304 (CNM-R-2(Vol.1), pp 375-89)
  - Radioactive wastes of nuclear center in Mexico, 25:34733
  - Reactor assembly, architecture, civil works, and installations, 25:34411
  - Triga Mark III of Nuclear Center of Mexico, 25:34412
- MORALES-PENA, Jose Roberto Differential cross section and phase shift analysis of ^{3}He(p,p)^{3}He between 18 and 57 MeV, 25:48014
- MORALEV, V. M. Application of the potentiostatistical method for investigation of intermediate products in the radiation oxidation of Fe^{2+} in 0.4M H$_2$SO$_4$, 23:9488
  - Method of electron spin resonance of space distribution of radicals in α and γ radiolysis of methanol and aqueous soltuions of H$_2$SO$_4$ at 77°K, 24:38961
  - Radiolysis of aqueous solutions of hydrochloric acid, 21:19663
- MORALEVA, A. D. Phase equilibria in Zr—Nb—Ni ternary system, 22:45786
- MORAN, E. T. Jr. Effect of gamma irradiation on utilization of wheat bran by chicken, 23:20124
- MORAN, H. S. Calculation of electron—photon cascades, 24:6704
  - Calculation of neutron and proton spectra from thick targets bombarded by 450-MeV protons, 23:23226 (ORNL-TM-2462)
  - Calculation of the energy deposited in thick targets by high-energy (1 GeV) electron—photon cascades and comparison with experiment. II, 24:40302
  - Calculation of the radiation hazard at supersonic aircraft altitudes produced by an energetic solar flare. II, 25:912
  - Dose rate from high-energy electrons and photons, 22:2507 (ORNL-TM-2026)
  - Dose rate from high-energy electrons and photons, 22:19352
  - Electron—photon cascade calculations and neutron yields from electrons in thick targets, 21:12031
  - Electron—photon cascade induced in lead by photons, 22:9410 (ORNL-4192)
  - Energy deposited by nucleons in spherical phantom, 24:24106
  - Energy deposition by 45-GeV photons in Be and Al, 25:7587 (ORNL-4631)
  - Modification and further development of Nucleon Transport Code, 23:25941 (ORNL-TM-1866)
  - Neutron and proton spectra from thick targets, 23:37111
  - Photon leakage from the Moon due to solar-flare bombardment, 24:32581
  - Photoneutron production from 34- and 100-MeV electrons in thick U targets, 21:25544
  - PLOTTER: general-purpose plotting routine, 24:29130 (ORNL-TM-2873)
  - Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 Mev, 21:6513
  - Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 MeV, 21:20215
  - Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 MeV, 21:32631 (ANS-SD-4, pp 47-8)
  - Tissue current-to-dose conversion factors for neutrons with energies from 0.5 to 60 MeV, 21:39402 (ORNL-4032)
  - Validity of straightahead approximation in space-vehicle shielding studies. II, 22:22198
- MORAN, J. M. Flux of unresolved component of 3C 273, 22:17260
  - Long-baseline interferometer experiments, 22:34144 (TID-24491, pp 19-22)
  - Observations of OH emission in H/sub II/ region W3 with 74400lambda interferometer, 21:28884
  - OH radio emission associated with infrared stars, 24:27950
  - Structure of the OH source in W3, 22:29034
  - Studies of H$_2$O sources by means of a very-long-baseline interferometer, 24:27983
  - Very-long-baseline interferometry of galactic OH sources, 25:2844
- MORAN, James H. Analysis of gamma ray energy spectrum for constituent identification, 24:48304
  - Method and apparatus for simultaneous porosity and chlorinity logging, 25:10889
- MORAN, James M. Jr. Interstellar hydroxyl clouds, 23:41813
- MORAN, James P. Scattering of monoenergetic argon beams from heated Pt, 23:30300
- MORAN, K. A. Influence of He on excitation of O(^{1}D), 24:35296
- MORAN, L. L. GGC-3, GGC-4: neutron slowing down codes, 23:44806 (WANL-TME-1933)
  - Second version of the GAMB1T code, 24:16310 (WANL-TME-1969)
  - SIMPLOT program: computerized plotting routine and simulation model evaluates fault trees and reliability block diagrams, 25:18331 (WANL-TME-1951)
  - Thermal range library for GAMB1T program, 23:19127 (WANL-TME-1830)
  - Utility programs for GAMB1T thermal range library, 24:16286 (WANL-TME-1970)
- MORAN, L. Leon Analytical chemistry of less-common oxidation states. VII, 23:24091
- MORAN, Larry L. FLUXPLT: FORTRAN IV program to plot isoflux lines based on scalar flux calculated by the dot program, 23:43193 (WANL-TME-1813)
- MORAN, M. Observations of planetary nebulae at three microwave frequencies, 22:8873
- MORAN, P. R. Fast neutron radiation damage in anthracene as a possible dosimeter, 25:51903 (COO-1105-166)
  - New approaches for fast neutron solid state dosimetry, 25:49019 (COO-1105-167)
  - NMR studies for a diffusion activated mechanism in TLD in LiF, 24:44330 (COO-1105-157)
  - Part I. evaluations of Raman effects for detecting fast neutron induced radiation damage. Part II. Electron spin resonance measurements in dosimetry research, 25:51904 (COO-1105-168)
  - Preliminary studies of the effects of fast neutrons on the optical properties of anthracene, 24:42751 (COO-1105-159)
  - Spin-diffusion limitations for high-sensitivity NMR techniques, 25:1338
  - Suggestions for fast neutron dosimeter techniques, 24:44328 (COO-1105-155)
- MORAN, T. F. Application of the statistical phase-space theory to the reactions of rare gas ions with nitrogen molecules, 25:43159
  - Collision-induced dissociation of low-kinetic-energy ions, 23:6891
  - Exothermic ion—molecule reactions, 21:3678
  - Mass spectrometer utilizing an ion beam for ionizing the gas to be analyzed, 22:38171
  - Molecular resonant charge-transfer processes: H$_2^+$—H$_2$ and N$_2^+$—N$_2$, 21:37141
  - Nonreactive inelastic scattering processes in low energy Ar$^+$—D$_2$ collisions, 24:10390
  - Pure rotational excitation in CO$^+$—Ar interactions, 25:49741
  - Statistical phase-space model of collision-induced dissociation of excited O$_2^+$ and NO$^+$ ions, 25:43158
  - Tandem isotope separator-mass spectrometer for the study of ionic collision processes, 21:24268
  - Transitions in collision-induced dissociation of H$_2^+$ ions, 23:14640
  - Vibrational excitation in collisions involving oxygen ion beams, 24:37245
- MORAN, T. I. Search for an electron—proton charge inequality by charge measurements on an isolated macroscopic body, 22:11573
- MORAN, T. J. Elastic and magnetoelastic effects in rare earth metals, 24:48833
  - Sound propagation near magnetic phase transitions, 25:5186
- MORAN, W. P. Evidence for parity-SU(3) mixing in decays of meson resonances, 21:13709
- MORAN, William Preston Internal symmetry group SU$_3$ x SU$_3$ with minimal extensions parity and charge conjugation applied to strong meson decay, 22:52975
- MORANA, S. J. Effect of surface chemistry on the physical properties of pressure sintered beryllium metal, 24:14717
- MORANA, Simon J. Process of producing beryllium metal powders, 23:41598
  - Production of beryllium hydroxide, 21:18313
  - Thin chromium layer raises properties of beryllium compact, 23:24922
- MORAND, C. Reaction ^{3}He(d,d)^{3}He, 23:49321
  - Statistical nature of ^{20}Ne(d,α)^{18}F and ^{22}Ne(d,α)^{20}F reactions up to 3.2 MeV, 25:17838
- MORAND, J. P. Method of isotopic separation. I, 23:28951 (K-Trans-51)
  - Methods of isotope separation. I, 23:7624
- MORAND, J.-P. Photochemical isotope separation device, 25:23747
- MORAND, M. A$_1$ region in π^-p at 7 GeV/c, 24:1516
  - Computer analysis of small-angle scattering and application to proton-nuclei scattering at 3 GeV/c, 22:20690
  - Development of an electronic system for scanning of tracks in a nuclear emulsion, 21:16189
  - Electronic assembly for automatic counting of grains in nuclear emulsions, 22:28169
  - Proton—nuclei scattering at 27 GeV/c, 21:25595
  - Study of differential cross section for reaction π^-p at 11.5 GeV/c, 22:46342
- MORAND, Max Ultrarelativistic electron ionization in nuclear emulsions, 24:20057
- MORAND, R. Backward photoproduction of π^0 in the region of the P$_{33}$ pion—nucleon resonance, 22:11574
  - Photoproduction of neutral pions from hydrogen in the region of the first pion—nucleon resonance, 23:32603
- MORAND, Rene Experimental study of π^0 meson photoproduction on H in energy range of the first pion—nucleon resonance, 25:33523
- MORANDI, G. CART: an experimental loop in the ESSOR reactor, 22:42369
  - Elimination of thermal shield from Trino Vercellese pressurized water reactor, 25:12715
  - Experimental irradiation of metallic U fuel elements in the Halden HBWR reactor, 25:11457 (CISE-R-278)
  - Goldstone theorem for an electron gas in a magnetic field, 22:13455
  - In-pile facility for corrosion and water chemistry experiments, 22:12098
  - Irradiation tests on metallic U fuel tubes, 25:1894
  - Localized spin fluctuations and superconductivity in Ir-based dilute alloys, 22:46058
  - Meaning of Goldstone's theorem, 24:28460
  - Prospects and limits of employment of resistance strain gauges in radioactive environment, 25:18883
  - Spin fluctuations and superconductivity: variational calculation of transition temperature, 23:30472
  - Transition temperature of superconducting dilute alloys, 25:33190

MORANDINI, G. C. Cellular reactions in patients treated with high energy radiotherapy, 23:50906
MORANDO, M. K = 3/2$^+$ rotational band in ^{49}Ti, 25:56693
  Particle—particle angular-correlation measurements, 25:45933
  Spins and mean lives of ^{34}Cl levels, 25:3619
MORANO, E. Changes of cardiac muscle cells after total body irradiation, 23:24739
MORANT, R. A. Crystallite size of pyrolytic graphite, 24:48906
MORANTE, Aldo Belleni Initial-value problem for neutron transport in a finite body with generalized boundary conditions, 25:25612
  Time discretization of the neutron transport equation, 25:57158 (CONF-710302-(Vol.2), pp 701-22)
MORANVILLE, C. Activity in the department of metallurgy and fuel element development of EURATOM Research Center at Ispra, 21:24739
  Fuel development for French fast breeder reactor, 24:33321
MORAR, N. Transport constants of isotopic exchange between hydrogen aqueous vapor and water, 24:27060
MORARIU, V. V. Temperature effect on water and heavy-water structure in aqueous acid solutions, 23:172
MORARU, Ion Action of ultraviolet radiations on the antagonic system Staphylococcus 31A—Bacillus megaterium 207, 21:1850
MORARU, N. I. Variability in peas caused by the effects of radioactive cobalt and chemical mutagens, 24:678
MORARU, Nicoleta Isotopic equilibrium in the hydrogen—ammonia system, 21:34278
MORATIS, C. J. Dielectric properties of strontium titanate solid solutions containing niobia, 21:41676
MORATTI, R. Aspects of mitotic pathology from x rays and morphogenesis of heteroploidy in granuloblasts, 23:41423
MORATZ, E. Electron velocity-distribution functions for force-free or partially force-free magnetic fields, 21:18724
MORAVCSIK, M. J. Experimental testing of analyticity structure of S-matrix, 21:42384
  Interaction of two free nucleons, 25:1564
  Maximum-complexity theorem for nondynamical parity tests, 21:37873
  Predictions of the twelve-dimensional groups and nucleon—nucleon scattering, 21:31630
MORAVCSIK, Michael J. Can the parity of the Ω^- be measured, 23:15120
  Determination of invariant amplitudes from experimental observables, 23:30837
  Experimental restrictions in the determination of invariant amplitudes, 22:37098
  First phase-band description: π^+—p scattering at 2.50 and 2.75 GeV/c, 24:49507
  General nondynamical formalism for reactions with particles of arbitrary spin, 21:2396
  General nondynamical formalism for reactions with particles of arbitrary spin, 21:13687
  Introduction to x-coefficients and a tabulation of their values, 25:59881
  K—N and N—N partial wave analysis, 25:53180 (UCRL-20655, pp 176a-89)
  Meson factories and the two-nucleon problem, 25:9810
  Mirror relations as nondynamical tests of conservation laws, 22:22422
  Non-dynamical structure of collinear processes, 25:40904 (RLO-2041-53)
  Non-dynamical structure of particle reactions, 21:29474
  Non-dynamical structure of photoproduction processes, 21:11760
  Non-dynamical tests of conservation laws in particle reactions, 22:1459 (TID-24095)
  Nondynamical formalism and tests of time-reversal invariance, 21:9821
  Nondynamical structure of particle reactions containing identical particles, 24:37665
  Nondynamical tests of CPT theorem and related symmetries, 22:15823
  Optimal coordinate representations for particle reactions, 25:17409
  Phase band analysis of π^+—p scattering at 2.5 to 3.0 GeV/c, 24:42964 (RLO-2041-37)
  Phase-band analysis, 23:18835
  Productset populations for reactions involving particles of arbitrary spin, 21:2485
  Prog. rpt. on high-energy physics, annual, 1967—68, 23:3659 (RLO-2041-19)
  Recent developments in particle physics, 21:29472
  Two-nucleon interaction as a research tool in particle physics, 21:37892
MORAVEC, A. Acidic organophosphorus extractants. IV, 22:33512
  Determination of burn-up of nuclear fuel, 24:18913
  Determination of burn-up of nuclear fuel on basis of stable isotopes of Nd. I, 25:10461
  Determination of burn-up of nuclear fuel on the basis of stable isotopes of Nd. II, 25:10469
  Determination of radiocesium in fission products by sorption on ammonium phosphomolybdate, 22:27880
  Isolation of ^{95}Zr—^{95}Nb from solution of fission products, 25:8214
  Isolation of stable isotopes of Nd, 24:19066
MORAVEC, J. Comparison of analyses of high-percentage heavy water samples by density measurements and by infrared spectroscopy, 25:15486
  Effect of gamma radiation on sorption properties of isomorphous calcium barium sulphate, 25:37407 (UJV-2415-Ch)
  Mn, Co, Ni, Cu, Ag, and Hg uranates, 22:23020
  Radiation decomposition of metastable $BaSO_4$—$CaSO_4$, 24:46255
  Uranates of some metals and the oxidation of uranium dioxide. I, 21:5870
MORAVEK, F. Changes from internally administered ^{106}Ru + ^{106}Rh, 25:24418
  Comparison of supportive therapy with effect of bone marrow in dogs, 25:24417
  Experimental therapy of acute radiation sickness, 22:51864
  Late consequences of whole-body irradiation, 25:24403
  Late consequences of whole-body irradiation, 25:26943
  Penetration of Clostridium aedematiens from myonecrosis into organism, 24:2785
MORAVEK, Frantisek Pulmonary ascariasis in an irradiated organism. II, 25:8781
MORAVEK, J. Measurement of the concentration of fission products in the primary circuit by recording delayed neutrons, 23:40362
  Note on a paper "isotopic enrichment of ^{14}C by chromatography on thin layers", 21:156
  Suggestion of dosimetric control of the primary circuit, 23:40359
  System of radioactive products control in gas coolant of nuclear reactors, 25:57033
MORAWEK, Th. Determination of ^{24}Na activity and autogamma dose from data obtained with SNAC spectrometer, 21:43292
MORAWETZ, Cathleen S. Charge-neutral self-consistent plasmas and fields, 24:49147 (NYO-1480-139)
  One-dimensional initial-value problems with a transverse magnetic field, 23:1420 (LA-3990, pp C1.1-5)
MORAWETZ, Herbert Catalysis of ionic reactions by polyelectrolytes. III. Quenching of uranyl ion fluorescence by iron(II) ions in poly(vinylsulfonic acid) solution, 25:26267
  Prog. rpt. on solid state polymerization initiated by ionizing radiation, 6/54—8/66, 21:10375 (NYO-1715-16)
MORAWIECKI, K. Functional description of quantum electrodynamics in Coulomb and Feynman gages, 25:20092
  Functional S-matrix theory: generalization for vector field with mass, 22:41872
MORAWITZ, H. Pole approximation in potential scattering, 23:7195
  Weak hadronic decays in the quark model, 21:37816
MORAWITZ, Hans Variational methods in potential scattering, 24:20250
MORBELLO, Mario Improvements in liquid level gauges, 23:721
  Liquid poison safety system for a nuclear reactor, 23:9176
  Safety rods for nuclear reactors, 23:45151
MORBEY, C. L. Occultation studies at the Dominion Astrophysical Observatory, 25:32911
MORCELLET, J. L. Sn—/sup 113m/In tracers in scintigraphies, 25:13501
MORCELLET, J.-L. Use of Sn—/sup 99m/Tc for cartography of lungs by perfusion, 24:6078
MORCILLO, J. IR intensities in $CHCl_3$ and $CDCl_3$, 23:17402
MORCOM, K. W. Solubility of silver chloride in deuterium oxide solutions, 22:16523
MORCOS, N. A. Decay of ^{76}As, 25:43881
  Gamma rays from the ^{75}As(n,γ)^{76}As reaction, 22:20557
MORCZEK, A. Acute radiation syndrome in the pot-bellied pig, 23:24744
  Diagnosis and therapy of acute radiation damages, 22:523
  Guidelines for diagnosis and therapy of acute radiation injuries, 21:18073 (SZS-8/66)
  Influence of vitamin B_{12} and folic acid on radiation syndrome of whole-body irradiated rats, 21:14693
  Influence of vitamin B_6 and pantothenic acid on radiation syndrome of whole-body irradiated rats, 21:45678
  Influencing blood and serum cholesterin level by x irradiation, 21:14694
  LiF thermoluminescence dosimetry in treatment of cervical carcinomas, 24:14563
  LiF thermoluminescence dosimetry of rats, 25:52196
  Nuclear medicine for diagnosis of brain disease, 24:32078
  Progress in tumor diagnostics, 24:17077
  Radiation effects and carcinogenesis, 23:31982
  Radiation protection in cerebral diagnosis with ^{131}I-labeled human serum albumin, 21:10894
  Radiation syndrome of vitamin B 12 and folic acid in whole body radiation in rats, 24:23241
  Radiobiological—radiochematological examinations of the pig, 22:38438
  The use of lithium fluoride thermoluminescence dosimetry in gynecologic radium treatments, 24:14495
  Thermoluminescence dosimetry of gynaecological radium applications, 21:14662
MORCZEK, Adolf Dosimetry of irradiated pigs, 22:51575
  Influence of vitamin B complex on radiation syndrome in rats, 23:48234
  Treatment of radiation syndrome in small and large animals, 22:47549
MORDANT, G. Separation of niobium and protactinium by amalgamation, 24:14009
MORDARSKI, W. J. Development of rolled joints for the HWOCR, 21:26775
  Prog. rpt. on advanced BONUS core development, final, 1/63—12/65, 21:19348 (CEND-265)
  Prog. rpt. on development and testing of UO_2 fuel systems for water reactor applications, final, 7/61—6/65, 21:18311 (CEND-2863-243)
  SAP-895 to 304 stainless steel rolled transition joint being developed for possible use in HWOCR, 21:7933
MORDASHEV, V. M. Dose rate of γ radiation absorbed in air, 21:28473
  Neutron scattering in air, 25:1706
MORDCHELLES-REGNIER, G. French research on thermal insulation of nuclear reactors, 23:37491
  Heat problems posed in the packing of highly radioactive materials, 23:45492 (ORNL-tr-2189)
  Heat transfer in irradiated fuel transport casks, 21:30669
  Natural-convection effects in insulation of prestressed concrete vessels, 23:4475
  Packaging for transport of radioactive materials, 22:293
MORDCHELLES-REGNIER, George Thermal insulation for walls, 24:36093
MORDECHAI, Sh. (d,α) reactions on ^{42}Ca and ^{44}Ca and states in ^{40}K, 24:43285
MORDEHAL, Sh. Isobaric analog states in ^{75}As, 22:20536
MORDIKE, B. L. Asymmetry of slip in tantalum and tantalum alloys, 25:35381
  Deformation of tantalum—niobium and tantalum—molybdenum single crystals, 22:684
  Influence of alloying and temperature on the elastic constants of tantalum, 25:2721
  Solid solution hardening in tantalum and niobium alloys, 24:8083 (AERE-R-5944(Vol.3), pp 778-88)
  Solid solution hardening of tantalum-base alloys, 25:35384
  Three-stage hardening in tantalum deformed in compression, 21:45906
MORDIKE, Barry L. Effect of alloying on work hardening of tantalum single crystals, 22:23795
  Elastic constants of Ta, 24:29955
  Solid solution hardening in tantalum alloys, 25:55457
MORDIKHOVICH, V. V. Effect of ionizing radiation on the excretion of radioprotectors in rats' urine, 25:42671
MORDIN, A. M. Investigation of new quiescent plasmas, 21:35195 (CONF-670104-Pt.2, pp 633-6)
MORDKOVICH, V. N. Dependence of radiation defects in silicon on neutron energy spectra, 22:52860
  Investigation of slowing down of low energy protons in SiO_2 films, 24:48991
  Radiation damage in dielectric—semiconductor structures, 25:45557
  Radiation induced defects in dielectric—semiconductor structures, 25:9566
MORDOVIN, O. A. Determining the melting temperatures of rare-earth oxides, 21:30431
  Hexaborides of rare earth elements, 23:10267
  Investigation of the interaction of aluminum oxide with europium oxide, 24:14938
  Melting diagram of Eu and Cr oxides, 22:47714
  Phase diagram of the molybdenum—boron system, 22:4808
  System Ta_2O_5—Gd_2O_3, 24:34960
MORDOVSKAYA, T. S. Measurement of effective neutron temperature in uranium—graphite reactors, 25:34413
MORDUKHOVICH, V. V. Effect of ionizing radiation on the passage of radioprotectors with the urine in rats, 25:44755
  Effects of 5-methoxytryptamine on distribution of cystamine in animals, 24:7934
  Minimum dose of 5-methoxytryptamine influencing the accumulation of cystamine in tissues and its excretion with urine, 25:29554
  Nonprotein thiols in tissues after administration of cystamine, 25:11101
MORDVINOV, Yu. P. Galilean invariance of supplemented Landau—Zener formula, 21:37132
  Statistical theory of ion—molecule chemical reactions, 21:46156
MORDVINOVA, S. N. Gravimetric determination of Ta, 25:37274
MORDYUK, V. S. Heat resistance and thermocyclic fatigue of refractory metals, 22:26042
  Investigation of the diffusion mobility of carbon in tungsten and molybdenum by the internal friction method, 22:31359
MORE, Keith A. Prog. rpt. on calculated specific yield functions for neutron monitors, final, 5/15/67—5/14/68, 22:51218 (AD-672313)
MORE, R. M. Theory of decaying states, 25:55886
MORE, Richard M. Perturbation of a decaying state, 25:19520
MOREAU, C. Fabrication of fuel elements, 24:10150
  Oxidation of uranium—carbon alloys, 23:22650 (CEA-CONF-1048)
  Oxidation of uranium—carbon alloys, 24:3009
MOREAU, Claude Electrode for use at high temperatures, 21:31290
  Fabrication of fuel elements, 22:52252
  Fabrication of fuel elements, 24:48882
  Fuel element manufacturing process, 25:13741
  Nonstoichiometry in U_3O/sub (8 +- x)/: its temperature and oxygen pressure dependance, 22:2021 (CEA-R-3218)
  Oxidation of U—C alloys by O_2: effect of their concentration, 21:26895
  Oxidation of uranium—carbon alloys by oxygen at high temperatures, 22:16495
  Process for the fabrication of bodies formed by dispersion of refractory material within a pyrocarbon matrix which is impervious to gases, 21:13252
  Reaction of pure carbon dioxide with uranium monocarbide: influence of temperature, 21:32831
MOREAU, E. Numerical methods and industrial uses of nuclear explosives, 24:22823 (CEA-CONF-1484)
MOREAU, F. Effect of impurities on recovery of Al irradiated with fast neutrons, 25:58303
MOREAU, G. Acceleration of chemical diffusion under irradiation in the aluminum—magnesium system, 25:16556
  Aspergilloma in a lung affected by radiotherapy, 22:51918
  Solubility of Pu in Fe, 22:10989
MOREAU, Guy Effects of fast neutron irradiation on diffusion phenomena in the system aluminum—magnesium, 24:39667 (CEA-CONF-1527)
  Fast neutron irradiation effects on diffusion processes in the aluminum—magnesium systems, 24:2970 (CEA-R-3906)
MOREAU, J. Detection of transitions in superconducting coils, 25:1152
  Packaging safety criteria, 21:30671
  Protection of large superconducting coils, 24:30288
  Protection of large superconducting coils, 25:27663 (ORNL-tr-2436)
MOREAU, J. C. Construction of prototype power station Phenix, 23:45035

-
  - Fast neutron power reactor PHENIX, 25:46232
  - Fast neutron reactor Phenix, 25:60039
  - Phenix: status of the design before construction, 23:47091 (ANL-7520(Pt.2), pp 243-53)
- MOREAU, J. M. Magnetic properties of Ho_6Fe_{23} and $HoFe_2$, 25:5211
  - Neutron-diffraction study of the Ho—Fe system, 25:47654
- MOREAU, Jean Determination of neutron multiplication coefficients by Monte Carlo method, 23:43190 (CEA-R-3798)
  - Principle of a code adapted to solving of problems of criticality by Monte Carlo method, 24:43854 (CEA-N-1179)
- MOREAU, Jean Michel Rare earth double oxides of type $LaTO_3$, 22:47711
- MOREAU, J-M Magnetic structure of $HoFe_2$, 25:1310 (CONF-700403-(Vol.1), pp 34-40)
- MOREAU, L. Effects of microirradiations on microsporophaytes and microspores of Tradescantia paludosa. I, 23:48018
- MOREAU, M. Influence of pH on yield of H atoms in radiolysis of aqueous solutions, 23:19753
  - Metals reinforced by carbon fibers, 25:49537
  - Origin of the yield of primary hydrogen atoms in water radiolysis, 21:23955
  - Preparation and properties of a pyrocarbon compressed at high temperature, 22:26075
  - Radiolysis of aqueous solutions of Fremy's salt, 24:9393
- MOREAU, Michel Determination, by measurement of the electric conductivity, of mean temperature of laminar jet of N plasma, 22:36896
  - Making graphitic neutron absorbing articles, 24:4833
  - Neutron-absorbing graphitic product and method of preparation, 24:42217
- MOREAU, Ph. Prestressed concrete pressure vessel of the Vandellos nuclear power plant, 25:31454 (EUR-4531, pp 81-94)
- MOREAU, R. Analytical chain, 23:17818 (CEA-CONF-1157)
  - Magnetohydrodynamic turbulence, 24:1413
  - Pulse analyzer system with high resolution at high counting rates, 23:47904
- MOREAU, Raymond Devices for analyzing physical phenomenons, and in particular nuclear phenomenons, 22:21396
- MOREAU, Rene Decline of homogeneous turbulence in presence of uniform magnetic field, 21:23061
  - Homogeneous turbulence in presence of uniform magnetic field when Reynolds magnetic number is small, 21:9388
  - Some fundamental mechanisms of homogeneous turbulence in presence of uniform magnetic field when Reynolds magnetic number is small, 21:9390
- MOREAUX, J. P. Ultrahigh vacuum device for decay of K to Ar in volcanic rocks, 24:41652
- MOREELS, G. Intensity variation of OH emission in evening twilight, 24:35303
- MOREEN, H. A. Model for the prediction of lattice parameters of solid solutions, 25:16519
- MOREEN, Harry A. Superdislocations in Ni_3V, 25:27250
- MOREH, R. Anomaly in the (γ,γ') reaction, 24:47603
  - Attenuation coefficients of γ rays in 7.5 MeV region, 24:30146
  - Calculated gamma transitions between ^{18}O levels, 22:20465
  - Decay of ^{23}Ne, 22:7676
  - Energy and angular distribution of alpha particles emitted in thermal-neutron fission of ^{235}U, 25:48082
  - Energy levels of ^{139}La, 24:47604
  - Energy levels of ^{139}La, 25:12585
  - Energy levels of ^{205}Tl using (γ,γ') reaction, 24:6934
  - Energy levels of ^{75}As, 24:43228
  - Experimental observation of the nuclear Raman effect, 25:50734
  - Forward elastic scattering of 9 MeV gamma rays, 25:28358
  - Gamma ray studies with Israel Research Reactor-2, 23:47264 (CNM-R-2(Vol.3), pp 1657-83)
  - Level structure of ^{47}Ti using $^{46}Ti(n,\gamma)$reaction, 23:25875
  - Level structure of ^{48}Ti using the $^{47}Ti(n,\gamma)$ reaction, 24:15856
  - Level structure of ^{50}Ti and ^{51}Ti using $^{49}Ti(n,\gamma)$ and $^{50}Ti(n,\gamma)$ reactions, 25:28284
  - M1 and E1 resonant scattering of gamma rays from neutron capture in iron, 22:24881
  - M2 radiative widths of nuclear levels at about 7 MeV excitation, 25:50678
  - Neutron capture gamma rays from natural titanium, 22:48476 (IA-1102)
  - Nuclear levels excited by neutron capture γ rays, 25:15002
  - Polarization measurements of resonantly scattered capture gamma rays, 23:19248 (IA-1180)
  - Precision study of highly excited nuclear levels using a gamma monochromator, 22:48511 (IA-1163)
  - Reaction (γ,γ') for studying the energy levels of ^{75}As, 24:30733
  - Research program at the IRR-2, 25:54186 (A/CONF.49/P-655)
  - Study of the energy levels of ^{203}Tl using (γ,γ') reaction, 25:5713
  - Study of the energy levels of ^{74}Ge using nuclear photoexcitation, 25:7840
  - Use of the (γ,γ') reaction for studying ^{141}Pr levels, 23:31022
- MOREH, Raymond Gamma decay of the 5.25- and 5.37-MeV levels of ^{18}O, 21:25445
- MOREHEAD, F. F. Jr. Annealing characteristics of n-type dopants in ion-implanted silicon, 23:42385
  - Model for formation of amorphous Si by ion bombardment, 25:19813
- MOREHOUSE, C. C. Asymmetry in π^+ photoproduction from a polarized target at 5 and 16 GeV, 24:47360
- MOREHOUSE, Charles Conover Photoproduction of PI plus mesons from polarized proton target at 5 and 16 GeV, 25:45632
  - Photoproduction of π^+ mesons from a polarized proton target at 5 and 16 GeV, 25:5251 (UCRL-19897)
- MOREHOUSE, James H. Longitudinal modes in a vibrating bar, 25:8182 (UCRL-50947)
- MOREHOUSE, N. F. Hybrid simulations of energy-and space-dependent core dynamics, 24:33544 (ANL-7626)
- MOREIRA, J. R. Antimony-122 isomeric-state formation by (γ,n) reaction, 23:23683
  - Charge radii of ^{20} ^{22}Ne, 25:45995
  - RMS charge radii of ^{16} ^{17} ^{18}O, 24:18360
- MOREIRA BANDEIRA DE MELLO, Wilson Significance of nuclear science and technology for educational institutions in a developing country, 25:54321 (A/CONF.49/P-200)
- MOREISKAYA, L. V. Spectral and spectrochemical methods for the determination of impurities in tungsten, 23:49700
- MOREK, T. Cerium-135m and /sup 137m/Nd: isomeric states in N = 77 isotones, 25:15042
  - Cesium isomers produced in (H.I.,xn) reactions, 24:49821
  - Electron conversion spectrum from ^{204}Po decay by electron capture, 25:1762
  - Investigation of excited levels of ^{196}Pb and ^{194}Pb nuclei, 25:50720 (JINR-P6-5879)
  - Investigation of properties of neutron deficient cesium nuclei. III, 24:1820 (JINR-P6-4592)
  - Investigation of the decay of ^{205}Rn, ^{207}Rn, ^{209}Rn, and ^{207}At, 25:50719 (JINR-P6-5878)
  - Isomeric M4 transition in ^{203}Po, 24:1819 (JINR-P6-4553)
  - Isomeric transition in ^{135}Ce, 23:44885 (JINR-P6-4499)
  - Isomerism in ^{129}La, 23:47008
  - K-forbidden isomeric transition in ^{130}Ba, 23:44935
  - Levels of ^{202}Po, ^{203}Po, ^{204}Po, ^{205}Po, ^{206}Po, 24:28772 (JINR-P6-4868)
  - Long lived states in ^{204}Po and ^{206}Po, 24:52559 (JINR-E6-5197)
  - Magnetic beta-ray spectrometer on beam of U-300 heavy ion cyclotron, 24:1683 (JINR-E6-4593)
  - New isomeric state in N = 77 isotopes: /sup 137m/Nd, 24:6883 (JINR-P6-4597)
  - Properties of Cs neutron-deficient nuclei. IV, 24:22143 (JINR-P6-4871)
  - Properties of neutron deficient Cs nuclei. I, 23:49391 (JINR-P6-4539)
  - Properties of neutron-deficient Cs nuclei. II, 24:5416 (JINR-P6-4591)
  - Short-lived isomer in ^{203}At, 23:44884 (JINR-P6-4494)
  - Three-quasiparticle isomeric state in ^{143}Sm, 23:34795
- MOREL, A. Crossing-symmetry constraints on partial-wave amplitudes, 24:3646
  - Kinematical singularities, crossing matrix, and kinematical constraints for two-body helicity amplitudes, 22:29770
  - Phenomenological analysis of high-energy data in πN and KN systems: shadow scattering and Regge singularities, 21:23337
  - Simple formulation of high-energy exchange models in terms of direct-channel amplitudes, 22:35141
  - Transversity amplitudes and high-energy behavior, 21:40288
  - Very-high-energy particle scattering, 24:28639
- MOREL, Claude Photograph of jets in the solar corona with the help of stratospheric balloons, 22:43850
- MOREL, Colette Aerosols produced by evaporation of a uranium wire, 23:982 (CEA-R-3473)
  - Aerosols produced by evaporation of uranium wire, 25:13650 (AI-Trans-289)
- MOREL, D. L. Isotope effect for electron mobility in anthracene, 25:48510
- MOREL, J. Metal oxidation studies in research reactors, 23:46092 (CNM-R-2(Vol.1), pp 298-309)
- MOREL, Jean Decay scheme of ^{59}Fe and ^{192}Ir, 25:12464
  - Decay schemes of ^{59}Fe and ^{192}Ir, 25:10032 (ORNL-tr-2345)
  - High-resolution alpha spectrometry using semiconductor detectors, 24:14287 (CEA-R-3925)
- MOREL, Joseph M. Development and evaluation of an automatic collimator for medical diagnostic x-ray machines, 23:7889 (MORP-68-9)
- MOREL, P. Design and development of isotopic altimeter setting indicator. II, 24:16904 (AD-696586)
  - Design and development of isotopic altimeter setting indicator. I, 24:16905 (AD-696961)
- MOREL, P. A. Effect of iron precipitates on migration of xenon in uranium dioxide, 23:34110 (AECL-3329)
  - Preparation of sintered UO_2, 24:17348
  - X-ray diffraction studies of ion-bombarded U_3Si, 25:22209
- MOREL, Paul Permeability of fabrics in contact with tritium and tritiated water, 23:20176 (CEA-CONF-1168)
- MOREL, Pierre Jacques Measurement of visual binary stars, 25:24732
- MORELAND, A. K. Effects of slow mass transfer when using microporous adsorbents in gas—solid chromatography, 24:31148 (COO-1222-37)
  - High-precision gas chromatography, 24:31147 (COO-1222-36)
- MORELAND, P. E. Integral measurement of ^{239}Pu alpha, 24:33247
  - Mass measurements with Argonne 100-in. mass spectrometer, 23:21253
  - Spontaneous fission half-life of ^{250}Cm, 22:1659
- MORELAND, P. E. Jr. Semiautomatic data-collection systems for mass spectrometers, 21:26280
- MORELAND, P. J. Stress corrosion cracking of Ti and Ti—6Al—4V alloy in dinitrogen tetroxide, 24:32382
  - Stress corrosion cracking of Ti and Ti—6Al—4V in dinitrogen tetroxide, 25:2635
- MORELAND, Parker E. Isotopic abundances of actinide elements in lunar material, 24:20706
- MORELL, Andreas Relative biological effectiveness of fast electrons and betatron x rays, 22:51900
- MORELLE, Jean M. Fast breeder development program of Consortium SNR, 25:54027 (A/CONF.49/P-369)
- MORELLEC, J. Physics of beams of synthetic plasmas, 21:13600 (AGARD-CP-8(Vol.1), pp 215-78)
- MORELLET, D. Electrons, gammas and π^0, in heavy liquid bubble chambers, 22:44300 (LAL-1190)
  - Test of original geometry for solving the large bubble chamber problems, 24:23019 (LAL-1227)
- MORELLI, Frank A. Measurement of $^{14}CO_2$ assimilation in soils, 24:16949
- MORELLI, V. Design of prestressed concrete pressure vessel components, 23:28471
- MOREL-MAROGER, L. Experimental nephropathy in the rat after subtotal nephrectomy and x-ray irradiation of the remaining kidney, 24:34660
- MOREMAN, K. Simulated photoscan from a dot scan, 21:24462
- MORENO, Alberto Pecina Selection of sintering process of uranium dioxide by determining its specific surface, 21:28816 (NP-16721)
- MORENO, D. S. Effects of gamma irradiation or the chemosterilant, tepa, on the citrus red mite and its progeny, 25:19100
- MORENO, Felipe Death and sterility induced in Drosophila melanogaster by uv radiation of the pole cells of the egg. I, 24:34604
  - Death and sterility induced in Drosophila melanogaster by uv radiation of the pole cells of the egg. II, 24:34605
- MORENO, G. Alpha-particle observations in solar wind, 25:13895
  - Observation of solar wind heavy ions, 25:35729
  - Solar wind and location of shock front and magnetopause at the 1969 solar maximum, 25:7299
  - Solar-wind α-particles in the magnetosheath, 24:23876
  - Solar-wind discontinuities from Feb. 24 to Feb. 28, 1969, 25:27557
  - Solar-wind observations in December 1968, 24:8288
- MORENO, Giuliana Effects of microirradiation with uv beam on different parts of the cell. I, 23:45871
  - Micro-irradiation of cell nuclei by ultraviolet laser radiation, 24:7977
  - Partial cell irradiation by uv and visible light, 25:8744
  - Ultraviolet effects on nucleus, nucleolus, and cytoplasm, 22:40541
  - Ultraviolet microirradiation of the nucleus, 24:32148
- MORENO, H. Effects of reddening on color transformations, 24:44866
  - Spectrophotometric parameters of early-type stars. I, 24:27933
  - Transfer of photometric systems, 25:38073
- MORENO, Hector Super-eikonal model of deep inelastic electron-proton scattering, 25:19939 (NYO-2262-TA-221)
  - Supereikonal model of deep-inelastic electron—proton scattering, 24:45466
- MORENO, Hugo Photometric investigation of Scorpio—Centaurus association, 22:38680
- MORENO, Jose B. Brain scanning in the diagnosis of astrocytomas of the brain, 25:24249
- MORERE, J. L. Effect of food preirradiation on the fecundity of two insects: mealy bugs (Pseudaulacaspis pentagona Targ.) and Indian-meal moths (Plodia interpunctella Huebn.), 25:19159
- MORESCO, M. Penetration of electromagnetic waves in a plasma, 24:26280
- MORESCO, Maurizio Cylindrical cavity resonator partially filled with magnetized plasma, 24:28257
- MORESHET, S. Direct measurement of diffusion resistance of stomata, 23:38386
- MORET Development of an elastomer for pressurized carbon dioxide sealing purposes, 22:37467
- MORET, H. Assay of samples for nuclear measurements by physical methods, 25:59640 (CONF-711002-, pp 272-82)
  - Evaluation of $^{10}B(n,\alpha)$ cross section and branching ratio, 22:39579 (EUR-3950)
  - Measurements of the half-lives of the uranium isotopes, 25:53738 (CONF-701002-, pp 465-9)
  - Precise determination of drop weights, 22:14880
- MORET, R. Measurement of Ra and Rn contents in natural waters, 25:48610
  - Study of the decay $^{109}In \rightarrow {}^{109}Cd$, 25:15005
- MORET, Roger ^{107}Cd excited levels, 25:56759
  - ^{111}Sn decay, 25:46083
  - Decay $^{111}Sn \rightarrow {}^{111}In$, 23:21310
  - Decay scheme of /sup 117m/Cd, 24:5419
  - Evidence of low-intensity γ radiations in decay /sup 115m/Cd $\rightarrow {}^{115}In$, 22:35304
  - Excited levels of ^{117}In, 22:42085
  - Gamma radiation emitted in ^{109}In, 24:28788
  - Radiations emitted in disintegration of ^{107}In, 25:25745
  - Study of the decay $^{117}Cd \rightarrow {}^{117}In$, 23:23709
- MORET-BAILLY, Francoise Neutrino field in general relativity, 21:27346
- MORET-BAILLY, I. Nonradiative gravitation field structure, without the symmetry hypothesis, in general relativity, 24:24434
  - Structure of the nonradiative gravitational field in general relativity, 21:29405
- MORET-BAILLY, Jacques Spectrometer input or output devices, 25:46659
- MORET-BAILLY, Jean Response of a fast reactor to a neutron source, 22:16309 (CEA-R-3351)
  - Theoretical and experimental study of a fast subcritical assembly by means of a neutron source, 24:7169 (CEA-R-3887)
- MORETON, G. E. Magnetic fields and flares in region CMP, Sept. 20, 1963, 22:29159
  - Motions of magnetic fields and umbrae within a spot group, 23:51282
- MORETON, R. Protection of Ta at high temperatures with Al—50 percent Sn coatings, 21:6749 (AD-634909)
- MORETON-SMITH, M. J. Chromatographic determination of H isotopes in Zr alloys, 22:16383 (AERE-R-5606)
  - Hydrolysis of uranium—plutonium carbide after neutron irradiation to high burn-up, 24:2231

Outgassing of bulk uranium and plutonium carbides, 21:3010 (AERE-M-1593)
MORETTA, L. Changes in liver components induced by fractionated doses of x rays, 21:17971
MORETTA MAGGIORE, Lucia Effect of radiation on the lipid composition of rat serum and liver, 21:22299
Effect of x radiation on lipid composition of rat serum and liver, 21:22728
MORETTE, A. Influence of a tensioactive substance on the behavior of radioactive water in an artificial earth, 23:4950
MORETTI, A. Dynamic proton polarization in butanol water below 1 K, 23:44776
Hydrocarbon proton polarized target, 21:37974
Long pulse, high power test of Argonne's rf separator deflectors structures, 25:50461
Measurement of polarization in $\pi^-p \to \pi^0n$ and $\pi^-p \to$ etan, 22:13667
Measurement of polarization of a polarized proton target, 21:21354
Performance of a polarized proton target for high energy physics experiments at Argonne, 21:29780
Radio frequency superconducting studies at ANL, 25:50315
MORETTI, Alfred Long-pulse radio frequency separator test facility, 23:28056
Method for operating an iris loaded rf separator structure at low momentum, 25:50463
MORETTI, E. Cosmic x-ray sources in 20 to 80 keV energy range, 21:43691 (N-67-21772)
Cosmic x-ray sources in the 20 to 180 keV energy range, 21:39760
Low-energy cosmic-ray photons in atmosphere, 21:13407
MORETTI, E. S. Effective dose of DTPA, spaced at 3 day intervals, in removal of skeletal Pu, 23:35711
MORETTI, Elena Instrumental background in x-ray astronomy measurements, 22:28107
MORETTI, Elizabeth S. Effective dose of DTPA in removal of skeletal plutonium, 23:45722 (ANL-7535, pp 65-7)
Metabolic and therapeutic studies of plutonium. IV, 23:45721 (ANL-7535, pp 60-5)
MORETTI, F. Horstman Small solar x-ray flare on Aug. 17, 1966, 24:17553
MORETTI, J. L. Use of a new vector in the diagnosis of melanomas, 25:42563
MORETTI, S. Behavior of irradiated thermocouples, 21:24278 (RT/ING-(66)14)
Comparative analysis of fast breeder fuel fabrication methods, 23:4246
Measurements of thermal diffusivity in mixtures of the oxides of uranium and thorium, 24:34946 (BMBW-FBK-70-1, pp 411-19)
Nondestructive method for determination of ratio O/U in sintered discs, 22:42593 (RT/ING-(67)7)
Nondestructive method for determination of ratio O/U in sintered pellets, 24:13727 (LA-4160-tr)
Radioprotective action of selenoderivatives, 22:33884
Rigs for irradiation of fissile specimens in Ispra-1 reactor, 21:17526 (RT/ING-(66)15)
Safety aspects of irradiation experiments, 21:14360 (RT/ING-(66)8)
Several techniques for programing work, Casaccia 1967, 24:9152 (RT/GEN-(69)1(Vol.2))
Thermal diffusivity and conductivity of sintered uranium—thorium mixed oxides, 24:39710
MORETTI, Stefano UO_2 fuel fabrication development, 23:3121
MORETTINI, L. Study of the oxidation of alpha—zirconium in dry oxygen by interference spectrometry and thermogravimetry, 25:22085
MORETTO, L. Radiochemical determination of fission yields for the fission of ^{232}Th by pile neutrons, 21:30000
MORETTO, L. G. Calculations of level densities based upon realistic shell models in ^{208}Pb region, 24:49961
Electron- and bremsstrahlung-induced fission of heavy and medium-heavy nuclei, 23:31040
Fission fragment angular distributions from low-temperature aligned nuclei, 24:20446
Mass distribution in fission of ^{237}Np, 24:15915
Note on interpretation of fission-fragment angular distributions at moderate excitation energies, 23:25944
Pairing correlation in excited nuclei with non-zero angular momentum, 25:43969
Pairing effects at fission saddle point of ^{210}Po and ^{211}Po, 23:31012
Statistical attenuation of shell effects in the fission probability of excited superheavy nuclei, 25:23070
MORETTO, Luciano Silver-111 and ^{115}Cd yields in the reactor neutron fission of ^{237}Np, 23:47030
MORETTO, Luciano G. Fission cross sections and fission probabilities in ^{4}He induced fission of ^{182}W, ^{183}W, ^{184}W, 24:45781
Nucleus at the fission saddle point as activated complex, 25:5810
MOREWITZ, H. Comparisons of aerosol experiments with a model used in reactor siting evaluation, 25:20757 (CONF-700816-(Vol.1), pp 26-48)
Effects of aerosol agglomeration on reactor dose evaluations, 25:57105
MOREWITZ, H. A. Aerosol modeling of hypothetical LMFBR accidents, 24:47876 (AI-AEC-12977)
Effects of velocity, oxide level, and flow transients on boiling initiation in sodium, 25:321 (AI-AEC-12939)
Evaluation of behavior of aerosols produced by LMFBR DBA, 23:52374 (AI-AEC-Memo-12761(Rev.1))
Exploding fuel pin experiment, 25:41480
Forced-flow sodium boiling in multiple channels, 25:54863 (AI-AEC-13010)
LMFBR aerosol research at Atomics International, 25:31616
Recent developments in the United States liquid-metal fast breeder reactor safety program, 25:39272 (A/CONF.49/P-41)
Studies of boiling initiation for sodium flowing in a heated channel, 24:2367 (AI-AEC-12767)
Use of agglomeration modeling in determining the source term for reactor siting evaluations, 23:23938 (CONF-680821-, pp 330-4)
MOREY, M. Genetic sensitivity to x rays in female Drosophila melanogaster, 21:16329
MOREY, R. E. Prog. rpt. on metallurgical characteristics of high strength structural materials, 12/65—3/66, 21:6795 (AD-641262)
MORF, R. Quantal second order perturbation theory of Coulomb excitation, 24:49816
Quantum mechanical corrections for double Coulomb excitation in ^{152}Sm, 25:5781
MORFAUX, J. N. Sterol level in yeasts irradiated during culture, 23:45963
MORFAUX, J.-N. Ergosterol in cells of irradiated Saccharomyces cerevisiae, 22:52020
MORFELD, U. Hyperfine structure investigations with the Moessbauer effect following the reaction ^{56}Fe(d,p)^{57}Fe, 21:27543
Polarization of neutrons from reaction ^{3}H(d,n)^{4}He, 21:38216
MORFILL, G. Penetration of solar protons over the polar cap during the February 25, 1969, event, 25:43232
MORFILL, G. E. Trajectory calculations in Williams and Mead geomagnetic-field model, 25:58861
MORFIN, J. Measurement of the Λ-H^4 lifetime and search for Λ-H^3 production in K$^-$—freon interactions, 24:47371 (CONF-690557-(Vol.1), pp 438-50)
MORFIN, J. G. K/sub s/ branching ratio, 23:46600
MORFIN, Jorge G. Phase shift $\pi\pi$ delta$_2$—delta$_0$ from new measurement of K/sub s/ branching ratio, 24:30454 (CONF-690521-, pp 337-8)
MORFIN, Jorge Guillermo Experimental determination of K/sub s/^{0} charged to neutral branching ratio and ΔI absolute value > $^1/_2$ transitions, 25:22666
MORGADO, Fernando Restoration of the immune capacity of irradiation animals by living cells, 25:52006 (A/CONF.49/P-320)
MORGADO, R. Multiple track efficiency test system for thin spark chambers, 25:37642
Particle yields at the Stanford two-mile electron accelerator, 21:17230
MORGAN, A. A study of the retention and subsequent metabolism of inhaled methyl iodide, 21:32599
Analytical procedures used by Bioassay Section at AERE, Harwell, 22:44970 (AERE-AM-103)
Determination of Fe, Cr, Co, Ni, and Sc in asbestos by neutron activation analysis, 25:37331
Preparation of ^{38}Cl labelled chlorinated hydrocarbons by neutron irradiation and gas chromatography, 24:11642
Recent advances in bio-assay field at A.E.R.E., Harwell, 21:12278 (CONF-651008-, pp 20-34)
Studies on retention and metabolism on inhaled methyl iodide. I, 21:45545
Studies on the retention and metabolism of inhaled methyl iodide. II, 21:43338
Study of deposition, translocation, and excretion of radioiodine inhaled as iodine vapor, 22:51342
Use of radioactive asbestos in studying translocation of fibres injected intrapleurally into rats, 21:30766 (AERE-R-5289)
MORGAN, A. D. Correlation between occurrence of sporadic E and magnetic activity, 22:22024
Forecasting auroral sporadic E with a magnetometer, 21:5200
MORGAN, A. H. Device for studying radiation effects in Shetland ponies, 25:21481
MORGAN, A. I. Jr. Microwave dehydration of potatoes and apples, 23:956
MORGAN, A. N. Operating experience on an economical ^{238}Pu processing facility, 24:31658
MORGAN, Alfred P. Radioisotope dilution techniques for measurement of body composition, 22:14462
MORGAN, Alun Charles Lester Improvements relating to hoists for control rods of nuclear reactors, 24:2346
MORGAN, Barbara N. Effects of age, weight, strain, and anesthesia upon breathing patterns of rats, 25:23448 (LF-42)
Influence of chemical state of ^{144}Ce on its metabolism following inhalation by mice, 24:48379
MORGAN, C. Studies of radiation induced reactions of water vapor and hydrogen with PGA graphite, 25:73 (RD/B/N-1620)
MORGAN, C. G. Effective interaction for —particle scattering, 24:43301
Scattering of medium-energy alpha particles. I, 23:7337
Scattering of medium-energy alpha particles. III, 24:38161
MORGAN, C. Grey New developments in electronic position detectors, 24:16879 (CERN-69-29, pp 123-60)
Primary ionization coefficient of deuterium, 22:1261
Temporal growth of ionization in deuterium, 22:7327
MORGAN, C. S. Activation energy in sintering, 23:44012
Densification kinetics during nonisothermal sintering of oxides, 23:32051
Effect of isostatic pressure on sintering, 21:36933
Inert gas bubbles in neutron-irradiated magnesium oxide, 21:39709
Physical ceramics studies, 21:13240 (ORNL-3970, pp 33-5)
Physical ceramics studies, 22:8821 (ORNL-4170, pp 34-6)
Physical ceramics studies, 23:8322 (ORNL-4370, pp 30-4)
Physical ceramics studies, 24:3025 (ORNL-4470, pp 28-9)
Transmission electron microscopy of polycrystalline graphite, 25:4868
MORGAN, Cecil Jr. Radioactive bone scans in carcinoma of the prostate, 23:29641
MORGAN, Cornelius U. Electron spin resonance spectra of radicals produced by hydrogen and deuterium bombardment of unsaturated organic compounds at 77°K, 24:31337
MORGAN, Curtis E. Calorimetric determination of log K/sub i/, ΔH/sub i/°, and ΔS/sub i/° values for interaction of thiourea with $Hg(CN)_2$ in water—formamide solvents at 25°, 24:31161 (COO-1782-4)
MORGAN, D. anti K$^-$p and anti pp elastic scattering, 24:15585
anti K$^-$p and anti pp elastic scattering and shadow of generalized annihilation processes, 24:49510
Low energy pion—pion scattering, 25:30867
Low-energy pion—pion parameters from forward dispersion relations, 23:27798
Low-energy pion—pion parameters from forward dispersion relations, 23:51921 (NYO-1932(2)-150)
Non evasive Chew—Low extrapolation for study of $\pi\pi$ elastic scattering, 24:13075
Non-evasive Chew—Low extrapolation of $\pi\pi$ elastic scattering, 24:30508 (CONF-690521-, pp 740-9)
Nonevasive contributions to forward rho-production and vector dominance, 25:12212
Phenomenological analysis of $I = 1/2$ single-pion production processes in energy range 500 to 700 MeV, 22:20261
MORGAN, D. J. A study of the retention and subsequent metabolism of inhaled methyl iodide, 21:32599
Comments on sum rules, 22:15854
Determination of inorganic iodide in urine by neutron-activation analysis, 23:49761
Retention of inhaled ethyl iodide labeled with ^{132}I, 22:43259
Studies on retention and metabolism on inhaled methyl iodide. I, 21:45545
Studies on the retention and metabolism of inhaled methyl iodide. II, 21:43338
Study of deposition, translocation, and excretion of radioiodine inhaled as iodine vapor, 22:51342
MORGAN, D. P. Helicon waves in solids, 22:5430
Power spectra of geomagnetic micropulsations, 21:23096
MORGAN, D. T. Current in-pile irradiations of Santowax OMP, 21:21714
Effect of reactor irradiation on Santowax WR, 21:10373 (MIT-334-70)
MORGAN, D. T. Jr. Control of pairing in maize, 23:33674
Monosomics in maize induced by x irradiation of the pollen, 21:39384
MORGAN, D. V. Computer simulation applied to channelling, 24:42807
Computer studies of fast ion trajectories in crystals, 22:26471
Electron microscopy of fission fragment damage, 22:21740
Energy loss of channelled protons in the MeV region, 24:42521
Fission-fragment damage in iridium, 23:12980
Interpretation of channeled-ion beam measurements for foreign atom location in cyrstals, 24:45314
Stopping power of protons channelled through CsI crystals, 23:48970
MORGAN, D. Vernon Charged-particle tracks in solids, 24:24124
Computer simulation and classical interpretation of fast ion emission profiles near planes, 25:1294
Critical approach distances and critical angles for channelling, 25:38554
Fission-fragment tracks in semiconducting layer structures, 22:34752
MORGAN, David Pion—pion scattering below 850 MeV, 24:42963
MORGAN, David Gwynfor Improvements in respirators, 23:16318
MORGAN, David L. Jr. Atomic processes involved in matter—antimatter annihilation, 25:1455
MORGAN, David Luke Jr. Atomic processes involving muonium and antimuonium, 22:5142
MORGAN, Dean T. Measurement of the apparent kinetics order of radiolysis and the fast-neutron effect in terphenyl irradiations, 21:5926
MORGAN, Donald R. Prog. rpt. on experimental study of surface structure and electronic properties of single crystal molybdenum and tungsten ribbons, final, 11/1/64—10/31/69, 24:21884 (COO-1417-4)
Prog. rpt. on surface structure and electronic properties of single crystal Mo and W ribbons, 11/65—8/66, 21:14850 (COO-1417-2)
Prog. rpt. on surface structure and electronic properties of single crystal Mo and W ribbons, 11/66—8/67, 21:39643 (COO-1417-3)
MORGAN, F. Some aspects of safeguards in United Kingdom, 24:39193 (WASH-1147, pp 85-94)
Usefulness of systems analysis, 25:21331
Weather and discharge data used to compute dose rates from coastal discharges of radioactivity, 21:41412
MORGAN, F. J. Absolute intensity calibration of a grazing-incidence spectrograph in the wavelength region 10 to 120 A, 23:615
Axial and radial temperature profiles in a weakly ionized argon jet, 24:51631
Energy loss from a theta pinch, 21:42083
MORGAN, Frank Leak detection in nuclear fuel elements, 21:19513
MORGAN, G. Tracks of heavy primary cosmic rays in meteorites, 21:11382
MORGAN, G. B. Hardware bootstrap loader for PDP-8 series computers, 23:50231
Secondary ionization coefficients in oxygen at pressures up to atmospheric, 22:7171
Time of flight interface, 23:38297 (IN-1294)
MORGAN, G. H. Ac losses in magnets made of Nb_3Sn ribbon, 22:53042 (BNL-12889)
Bean model of ac losses in type II superconductors, 23:12699 (BNL-13200)

- Behavior of twisted multicore superconducting wire in time-varying uniform magnetic field, 24:40011
- Computed properties of two-dimensional section of 2-in.-bore, 40-kG ac dipole, 25:1665 (BNL-15174)
- Loss measurements on twisted multifilamentary superconducting wires, 23:30499
- Measurements of energy losses in pulsed superconducting magnets, 23:32277
- Method of computing generalized orbit constants in synchrotron lattices, 21:38060
- Simple model of Smith superconducting cable, 23:34346 (BNL-13716)
- Superconducting synchrotron magnets, 21:44467 (BNL-11761)
- Superconducting synchrotron magnets, 23:28105
- Two-dimensional, uniform current density, air-core coil configurations for the production of specified magnetic fields, 23:28117

MORGAN, G. J. Unirradiated fuel element processing for recovery of uranium of various isotopic values, 24:48147 (NLCO-1056)

MORGAN, G. L. Aluminum-25 levels from the ^{24}Mg(p,γ)^{25}Al reaction, 25:28276
- Energy calibration of a proton-recoil proportional counter, 25:23774 (ORNL-TM-3347)
- Fabrication of large planar Ge(Li) detectors, 24:5901
- Infrared spectra and structure of beryllium borohydride, 25:2189
- j-dependence of polarization in ^{11}B(d,n$_0$) and ^{11}B(d,n$_1$) reactions, 25:38916
- Linearity and energy resolution of a high pressure helium gas scintillation counter, 22:10562
- Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:31235
- Neutron polarization from ^{7}Li(p,n)^{7}Be reaction for 3 to 4 MeV protons, 25:53632
- Neutron—He interaction. II, 25:12360
- Neutron—helium interaction. I, 22:26798
- Neutron—helium interaction. II, 22:26797
- Optical model for scattering of nucleons from ^{4}He at energies below 20 MeV, 22:26802
- Polarization of neutrons from the ^{7}Li(p,n)^{7}Be* (432 keV) reaction, 21:21430
- Reactions ^{14}C + α, 25:9980
- States in ^{16}O, 24:52449

MORGAN, George Lake Neutron—helium scattering at energies below 8 MeV, 22:39587

MORGAN, H. C. Weighing radioactive materials by means of vacuum microbalance, 22:4504 (MLM-290)

MORGAN, H. S. New high temperature fiber, its properties and performance, 21:36008

MORGAN, Harry Splenic masses detected by scintillation imaging and contrast tomography, 25:24234

MORGAN, I. L. (n,n'γ) reaction in ^{56}Fe, 21:4238 (ORO-2791-19, Paper 2)
- A Ge(Li) gamma spectrometer for (n,n'γ) measurements, 21:4701
- Angular distributions of gamma rays produced in the ^{89}Y(n,n'γ)^{89}Y reaction, 21:4237 (ORO-2791-19, Paper 1)
- Angular distributions of gamma rays produced in the ^{89}Y(n,n'γ)^{89}Y reaction, 21:35476
- Compilation of γ ray angular distribution coefficients, 21:30030 (ORO-2791-21)
- Cu K/sub α//K/sub β/ x-ray production from proton and oxygen bombardment, 24:23738
- Deuteron-induced prompt gamma-ray analysis, 21:35880
- Direct electron excitation in isotopic x-ray fluorescent analysis, 21:34230
- Dosimetry and primate irradiations with 2.3-GeV protons, 22:8525 (CONF-670305-, pp 318-28)
- Gamma rays from fast-neutron scattering in ^{56}Fe, 22:3668
- Gamma-ray production in reactor and shielding materials due to fast-neutron interactions, 22:5829
- Inelastic neutron scattering cross sections in several elements with 15 MeV neutrons, 21:17338 (AD-647225)
- Nuclear analysis system for coal, 21:12300
- Observed Kβ energy shift in Cu and Ni, 24:3179
- Prog. rpt. on neutron cross section program, annual, 7/65—7/66, 21:4236 (ORO-2791-19)
- Pulsed-beam techniques used with a tandem Van de Graaff accelerator, 25:50286
- Reactions (n,n') and (n,2n) in several elements at 14.8 MeV, 24:13303
- Separation of isotopic interferences utilizing Ge(Li) gamma-ray detectors, 21:5798
- TRNRX: program for γ ray angular distributions in (n,n'γ) reactions, 21:12082 (ORO-2791-20)
- Width-fluctuation effects in (n,n'γ) reactions, 21:40412

MORGAN, Ira L. Compilation of neutron reaction and total cross sections at 14 MeV, 21:25393 (EANDC(US)-58(U))
- Continuous nuclear analysis of bulk material, 21:40784
- Gamma-ray yield from neutron interactions with ^{10}B, 24:3852 (ORO-2791-29)
- Gamma-ray yield from neutron interactions with ^{10}B, 24:35830
- Method and apparatus for radioactivity analysis, 24:14274
- Tritium contamination in particle accelerator operation, 22:43310 (PHS-999-RH-29)

MORGAN, Ira Lon Gamma spectrometer system for pulsed beam (n,n'γ) measurements, 21:316
- Study of fluorescent excitation using isotopic x-ray emission, 21:4672 (ORO-3224-6)
- Use of direct excitation by a beta spectrum in isotopic x-ray fluorescent analysis, 21:6154

MORGAN, J. A. Target-design and data-reduction codes for the ARLG gun, 24:43884 (LA-4481)

MORGAN, J. E. Scintillation probe for intracavitary dosimetry, 23:33715
- Total-skin electron-beam therapy, 21:4827

MORGAN, J. F. Canadian cancer Conference, Honey Harbour, Ont., 6/66. VII, 22:43425
- Loss of transplantability and induction of immunoprotection by mouse ascites tumor cells in tissue culture, 24:31872
- Rocket uv flash spectra from solar eclipse, 24:25914
- Scattering of α-particles from ^{12}C, 25:5561

MORGAN, J. G. 100 5000, 21:20489.(NAA-SR-Memo-11328)
- Characterization of aerosols produced by Na fires, 21:24114 (NAA-SR-11997(Vol.1))
- Comparison of observed and predicted irradiation performance of pyrolytic-carbon-coated uranium dioxide particles, 23:8342 (ORNL-TM-2336)
- Evaluation of the equation that governs the coagulation of an aerosol, 21:31921 (CONF-660904-Vol.1 and 2, pp 626-45)
- Fission-gas release from UO$_2$, 24:1107
- Fission-gas release from UO$_2$ during irradiation, 23:36234
- Indexed bibliography of thermal effects literature—1, 25:10159 (ORNL-NSIC-81)
- Irradiation behavior of high-temperature fuel materials, 22:26093 (ORNL-4229, pp 125-41)
- Irradiation performance of pyrolytic-carbon- and silicon-carbide-coated fuel particles, 24:43866
- Performance of bonded beds of coated fuel particles during irradiation, 25:40132 (ORNL-TM-3361)
- TSN computer program for spatially dependent reactor kinetics calculations, 22:10078 (NAA-SR-Memo-12319)

MORGAN, J. J. Removal of strontium from water by activated alumina, 21:18062

MORGAN, J. P. ICPP fissionable isotope monitor, 23:4804 (IN-1211)

MORGAN, J. T. Effect of ionizing radiation on synthetic resins at very low temperature, 25:52488 (RHEL/R-220)
- Effect of radiation on the mechanical properties of polyethylene terephthalate films, 21:22943 (RHEL/R-139)
- Gas evolution from epoxy resins by high energy radiation, 25:156 (RHEL/R-196)
- Post irradiation mechanical properties of epoxy resin/glass composites, 24:51240 (RHEL/R-200)
- Stress relaxation of natural rubber during irradiation, 23:37995

MORGAN, J. W. 14 MeV neutron activation analysis of rocks and meteorites, 25:54465
- Allende meteorite: some major and trace element abundances by neutron activation analysis, 24:6294
- Anomalous Re isotopic ratio in solar wind: detection at nanogram level, 24:25913
- Coincidence counting applied to the activation analysis of meteorites and rocks, 25:54479
- Determination of O and Si in chondritic meteorites, 24:11466
- Electrodeposition of Th, U, and Np from ammonium sulphate solutions, 25:54673
- Lunar rock 12013; O, Si, Al, and Fe abundances, 25:951
- Non-destructive neutron activation analysis of meteorites, 24:4244
- Rhenium and nonradiogenic osmium in Australian molybdenites and other sulfide minerals by neutron activation analysis, 23:31322
- Rhenium and osmium abundances in chondritic meteorites, 22:15
- Thorium, U, and K abundances in peridotite inclusions, 22:27899
- Uranium and thorium abundances in carbonaceous chondrites, 21:16002
- Uranium and thorium abundances in chondritic meteorites, 23:2214
- Uranium and thorium in some basic and ultra basic rocks of possible deep-seated origin, 25:54495
- Uranium and thorium in tektites, 24:4377
- Uranium and thorium tektites, 24:27226

MORGAN, Jack M. Radium safe and leak testing system, 23:50780

MORGAN, James F. Carbon—alpha scattering from 18 to 28 MeV, 22:26910
- Reactions (^{7}Li,p), (^{7}Li,d), and (^{7}Li,t) on ^{12}C near 3.5 MeV, 22:3627
- Scattering of 19 to 30 MeV alpha particles from ^{12}C, 24:24509

MORGAN, James Fredrick Elastic scattering of alpha particles from ^{12}C between 19 and 30 MeV, 24:22087

MORGAN, James L. Design and operation of magnetohydrodynamic generator facility, 23:20739 (N-68-37259)

MORGAN, James M. Jr. Conference on air cleaning, New York, N. Y., 8/28/68, 23:23936 (CONF-680821)
- Conference on air cleaning, ninth AEC, Boston, Mass., 9/66, 21:31907 (CONF-660904-(Vol.1 and 2))
- Nuclear transportation, 21:3404 (TID-23390)
- Nuclear transportation, 21:46902
- Proceedings of the eleventh AEC air cleaning conference held in the Federal Building, Richland, Washington, August 31—September 3, 1970, 25:18525 (CONF-700816-(Vol.1))
- Proceedings of the eleventh AEC air cleaning conference held in the Federal Building, Richland, Washington, August 31—September 3, 1970, 25:21268 (CONF-700816-(Vol.2))

MORGAN, John H. Functional test of a Rocket Engine Module, 25:15453 (SC-DR-70-911)

MORGAN, John L. Radiation reaction in ataxia telangiectasia, 23:20277

MORGAN, John W. Determination of elements in lunar material by 14-MeV neutron activation, 25:2118 (CONF-700322-, pp 205-20)
- Oxygen, Si, and Al in lunar samples by 14 MeV neutron activation, 24:20738

MORGAN, Julie Methods for determining beryllium in environmental materials, 22:18683 (AAEC/TM-87)

MORGAN, K. Electron spin resonance studies on the photolysis of radicals produced in ethyl mercaptan and ethyl disulfide by x-irradiation, 21:42978

MORGAN, K. Z. Criteria for the control of radioactive effluents, 24:45914 (CONF-700810-28)
- Doses commitments, 22:45565
- Principles of radiation protection, 22:10778
- Prog. rpt. on applied health physics and safety, 1970, 25:46868 (ORNL-4690)
- Radiation hazards in metropolitan areas, 21:28631

MORGAN, Karl H. Radiation records-keeping in nuclear medicine, 24:29762 (DMRE-69-3, pp 172-9)

MORGAN, Karl Z. Common sources of radiation exposure, 22:49335
- Energy pollution of the environment, 25:24074 (BRH/DEP-70-26, pp 8-39)
- Health physics as a profession, 23:12128
- History of radiation protection, 25:26774
- Ionizing radiation: benefits versus risks, 23:48052
- Proper use of information on organ and body burdens of radioactive material, 25:58024 (CONF-711104-1)
- Standard man: standard patient, 24:50879 (CONF-691212-, pp 87-102)
- Tainted radiation, 24:2672
- Time of challenge to the health physicist, 25:44823
- Why the 1968 Act for Radiation Control for Health and Safety is required, 25:46878

MORGAN, L. A. Trial wave functions in the close-coupling approximation, 23:8454

MORGAN, Lesley Gravitational field of a disk, 23:46819
- Gravitational field of shells and disks in general relativity, 25:9882

MORGAN, Lesley A. Emission-line spectrum of Orion Nebula in range 4959 to 8665 A, 25:58513
- Scattering of electrons by atomic systems, 22:9054

MORGAN, M. Superconducting beam line, 25:3505

MORGAN, M. G. Lower hybrid resonance phenomena, 23:10499

MORGAN, M. Granger Laboratory model for radio-star scintillation and other diffraction phenomena, 25:27612

MORGAN, M. T. Fission product transport in HTGR systems, 24:26752 (GA-10073)
- Fission-product release during postirradiation annealing of pyrolytic-carbon-coated fuel particles, 21:36947
- Fuel migration in pyrocarbon-coated particles, 24:8183 (ORNL-TM-2717)
- Fuel migration into coatings of pyrolytic-carbon-coated UO$_2$ and UC$_2$ particles, 21:36946
- Techniques and apparatus for inspection, handling, and annealing highly radioactive fuel microspheres, 23:21926 (ORNL-TM-2495)
- Techniques and apparatus for inspection, handling, and annealing highly radioactive fuel microspheres, 24:16738 (CONF-690910-, pp 420-34)
- Wrist-action manipulators for shielded glove boxes, 23:21859 (ORNL-TM-2512)

MORGAN, Millett G. Spatial irregularities in ionosphere and their variations with time, 23:3328 (AD-670185)

MORGAN, O. B. Engineering problems in production and use of intense dc ion beams, 21:31197 (CONF-661016, pp 325-31)
- High-current beam production and injection, 21:13349 (ORNL-4063, pp 88-93)
- High-current ion beam production and injection, 22:31598 (ORNL-4238, pp 116-20)
- Ion source development for thermonuclear research, 24:45277
- Multi-ampere duoPIGatron ion source for plasma research, 25:45510 (ORNL-TM-3472)
- Neutral beam ion heating in ORMAK II, 24:37428 (ORNL-TM-3076)
- Oak Ridge Tokamak research, 25:38493 (CONF-710607-26)
- ORNL multi-ampere ion source, 25:56208 (CONF-711012-9)
- Technology of intense dc ion beams, 21:19102

MORGAN, O. B. Jr. Energetic-particle injectors for plasma physics experiments, 23:34464 (ORNL-4401, pp 176-81)

MORGAN, Ora Billy Jr. Study of intense low-energy ion beams for fusion research, 25:14353

MORGAN, P. D. Measurements of the plasma confinement and ion energy in the dense plasma focus, 25:38496 (CONF-710607-38)
- Properties of the dense plasma, 23:32361

MORGAN, P. E. D. Formation of fully dense oxides by pressure calcintering of hydroxides, 22:31519

MORGAN, Paul V. Thermal pollution in power plant site selection, 23:47640

MORGAN, R. Field-ion microscopy of uranium dioxide, 24:34965
- Selected bibliographic guide to conference papers on nondestructive testing, 1955—1967 (with abstracts), 23:26477 (AERE-Bib-164)

MORGAN, R. E. Chemical effects of γ-irradiation of aqueous solutions of heparin and keratan sulphate, 25:31978
- Radiation damage in calcium phosphates and collagen: an interpretation of ESR spectra, 25:32006
- Radical processes following γ irradiation of frozen concentrated matrices of heparin and dextran sulphate, 25:34651

MORGAN, R. H. C. Energy-loss extraction system with thin-septum plunged magnet at NIMROD, 23:27996
- Extraction techniques at Nimrod, 25:1672 (RPP/N-22)
- Extractor magnets for Nimrod, 22:11788

MORGAN, R. L. Neutrons against cancer, 21:39462
- The response of pig skin to fractionated treatments with fast neutrons and x rays, 22:572

MORGAN, Relbue Marvin Optical properties of dilute silver—indium alloys in the ultraviolet, 22:5410 (IS-T-187)

MORGAN, Robert P. Effect of variable wall heat flux on heat transfer in the thermal entrance region of reactor coolant channels, 21:8142
- Transient heat transfer and steam formation, 21:30612 (IDO-17226)

MORGAN, S. C. Irradiated homografts in primates, 24:14526

MORGAN, S. H. Jr. Coulomb corrections to Bethe—Heitler cross sections for electron—nucleus bremsstrahlung, 25:28451 (N-71-10999)
MORGAN, T. Transfer of energy in general relativity, 25:14816
MORGAN, T. J. Terminal voltage fluctuations of an FN Tandem Van de Graaff accelerator, 21:29670 (RLO-1388-22)
MORGAN, Thomas Gravitational field of a disk, 23:46819
  Gravitational field of shells and disks in general relativity, 25:9882
MORGAN, Thomas A. Near-field approximation for strong gravitational fields, 25:20101
MORGAN, Thomas E. Loss of lipid during fixation for electron microscopy, 21:22290
MORGAN, Thomas Edward Line blanketed model atmosphere for epsilon Virginis, 25:58484
MORGAN, Thomas J. Cross sections for destruction of excited H molecules in collisions with H_2 gas, 25:35874
MORGAN, Vernon Energy generating systems, 25:23249
  Heat engine plant, 25:60027
  Nuclear reactors, 25:31565
MORGAN, W. C. Accommodation factors: effect on thermal expansion and radiation-induced dimensional changes of graphite, 21:24858
  Factors affecting graphite moderator distortion, 21:6896
  Irradiation symptomatology, 22:31235
  Neutron dosimetry for reactor pressure vessel applications, 25:44117
  Reactor materials design, 22:19646
  Thermal expansion coefficients of graphite crystals, 25:49531 (BNWL-SA-3838)
MORGAN, W. R. Control reactor with a process computer, 24:47839
  In-core neutron monitoring system for General Electric boiling water reactors, 23:13444 (APED-5706)
  In-core neutron monitoring system for General Electric boiling water reactors, 24:40940
  Isostatic compaction of metal powders, 23:30137
  Isotopic reactor rates measured within H_2O-moderated, Pu-bearing fuel lattices, 23:37649
  Nitrogen inversion of tertiary amines in aqueous acid, 24:41266
  Preparation of pellets from ion-exchange resins for direct analysis for metal ions by x-ray spectroscopy, 25:23509
  Reaction rates in representative plutonium-recycle fuel lattices, 24:43856
MORGAN, W. W. Classification of the forms and the stellar content of galaxies, 23:51330
  Classification of the forms of clusters of galaxies, 25:9125
  Comparison of the optical forms of certain Seyfert galaxies with the N-type radio galaxies, 22:41236
  Distribution of light in the central regions of some giant elliptical galaxies, 25:24821
  H—R diagram of Alpha Persei Cluster, 25:32880
  H—R diagram of NGC 2516, 23:51214
  Note on MK classification system, 22:43745
  Spectral variations in the galaxy NGC 4151, 22:29030
  Spectrum of Bidelman's He variable star HD 125823, 22:43837
  UBV photometry and spectral types in NGC 6611, 24:8228
MORGAN, Walter Disorientation response of chicks which survived 2-β-aminoethylisothiouronium-Br-HBr (AET) administration during early embryogenesis, 25:4601
  Embryonic mortality resulting from gamma irradiation, 21:24634
MORGAN, Wesley Gray Jr. Effects of aging and radiation on activity and metabolism in the rat, 22:49500
MORGAN, William T. Design, ground test and flight test of SNAP 10A, first reactor in space, 21:27793
MORGAND, P. Brittleness at high temperature after irradiation of several metals and alloys, 23:34041
  Irradiation embrittlement of nickel, 22:28881
MORGANDO, E. Correlations between time of cerebral circulation with radioisotopes and morphological aspects of carotid angiography, 21:26516
  Interrelationship between cerebral circulation time, pulmonary circulation, and blood pressure, 25:11148
MORGAN II, Millett Granger Laboratory model for radio star scintillation and other diffraction phenomena, 25:2856
MORGANSTERN, K. H. Electron beam curing of coil coatings, 24:13944
  Tandem Dynamitron, 23:27949
MORGANSTERN, Kennard H. Electron beam radiation applications for the plastics industry, 25:29127
  Radiation vulcanization, 25:34632
MORGANSTERN, R. E. Brans—Dicke cosmologies in arbitrary units: solutions in flat Friedmann universes, 25:55800
  Brans—Dicke theory under a transformation of units and the three tests, 25:43702
  Brans—Dicke theory under transformation of units and its relation to Jordan theories, 24:37921
  Cosmological upper limit on time variation of G, 25:45282
  Exact solutions to radiation-filled Brans—Dicke cosmologies, 25:55801
  Scalar gravitational fields in pulsating stars, 21:33091
  Scalar gravitational radiation from binary stars and planetary orbits, 22:5658
  Spin precession of Schiff satellite in Brans—Dicke theory, 25:14811
MORGANTE, O. Reliability of Catania sunspot area measurements, 25:19407
MORGANTI, Mario Radioinduced modifications in leucine amino peptidase activity, 24:14415
MORGAREIDGE, Kenneth Chronic toxicity studies on low-dose irradiated bananas, 23:18164 (CONF-681006-, pp 149-53)
  Prog. rpt. on chronic toxicity studies on low-dose irradiated bananas, 1/68, 22:10897 (NYO-3734-2)
MORGAT, Jean-Louis Method for preparing molecules labeled with tritium, 25:54693
MORGEN, E. A. Kinetics of reaction of niobium with xylenol orange, 23:37964
MORGEN, P. Collective states in ^{191}Ir and ^{193}Ir, 24:43358
  Inelastic scattering of deuterons and α-particles on ^{191}Ir and ^{193}Ir, 25:31342
MORGENROTH, H. Form of the magnetosphere of a straight current in a divergent plasma flow, 21:9403
MORGENROTH, K. Changes in kidney tissue following directed high-dosage x irradiation, 21:14725
MORGENROTH, K. Jr. Changes in rat hearts following selective x-ray irradiation, 23:29799
MORGENROTH, Konrad Jr. Changes in rat hearts after focal doses of x radiation, 21:45813
  Electron-microscopic investigation on liver and kidneys of mice after intraperitoneal administration of ^{198}Au, 21:32750
  Radiation injury of cell, 23:33647
MORGENSTERN, F. Development of a fuel element for a sodium cooled fast breeder reactor, 21:30203
  NA-2 design: 300 MWe German FCR, 22:16187
MORGENSTERN, H. Elastic tau scattering on nuclei with A = 15 to 18 at 11 MeV, 25:20278
  Ionization defect of heavy ions, 22:22569
  Neutron-induced reactions on silicon, 22:26967
  Neutron-proton correlations in reaction ^{12}C(d,np)^{12}C, 22:5765
  Reaction ^{15}N(tau,α)^{14}N, 25:12424
  Singlet deuteron emission in (^{3}He,d) reaction described by distorted-wave Born approximation, 24:38083
  States in ^{16}O by reaction ^{15}N(tau,d)^{16}O, 23:25839
  Study of states in ^{12}C by the reaction ^{11}B(tau,d)^{12}C, 22:41977
  Study of states in ^{15}O by reactions ^{14}N(tau,d) and ^{16}O(tau,α), 22:32502
MORGENSTERN, J. Analysis of parameters of resonances in Co and Mn induced by neutrons of energy up to 120 keV, 21:46692
  Determination of spin and resonance parameters for ^{197}Au + n from 1000 eV to 2100 eV, 23:40082
  Determination of spin and resonance parameters for ^{107} ^{109}Ag + n, ^{169}Tm + n, Pt + n at 4 eV to 830 eV, 23:40080
  Distribution of the partial radiative widths of ^{195}Pt using a Ge(Li) detector, 22:18284
  Distributions of resonance intervals and values of correlation coefficients in different parameters, 21:42612 (NP-16816)
  Excited-state g factors in ^{19}F and ^{22}Na, 21:25491
  g factor of the 175-keV state in ^{73}Ge and hyperfine fields of ^{73}Ge in Fe and Ni, 22:48485
  Intermediate structure in the ^{59}Co neutron total cross section between 0 and 500 keV, 21:7746
  Low-energy levels of ^{196}Pt, 21:10027
  Nuclear level schemes from resonance neutron capture (^{196}Pt, ^{184}W, ^{200}Hg, ^{64}Cu, ^{66}Cu, ^{36}Cl, ^{198}Au, ^{60}Co), 23:5897
  Partial radiative capture of resonance neutrons in some isotopes of tin, 23:8995
  Partial radiative capture of resonance neutrons in tungsten, 23:13285
  Partial radiative capture of resonance neutrons by gold and cobalt, 23:37141
  Partial radiative capture of resonance neutrons in Cl, Mn, Fe, Cu, Tm, and Hg, 23:52128
  Partial radiative widths at and between neutron resonances, 23:5901
  Perturbed angular distribution in ^{19}F in ferromagnetic lattices, 21:31716
  Radiative capture of resonance neutrons in platinum, 23:5880
  Resonance neutron capture with lithium-drifted germanium detectors, 22:14834
  Resonance parameters and S_0 and S_1 strength functions for Cl, ^{51}V, ^{89}Y, Zr, La, ^{141}Pr, and ^{209}Bi, 23:13239
  Spin and resonance parameters for Cl + n, Cu + n, Ba + n, and Nd + n, 23:44878
  Spin and the resonance parameters for ^{107} ^{109}Ag + n, ^{169}Tm + n, Pt + n, 24:52639
  Strength function S_0 and the scattering radius R' as a function of mass number and fluctuation of S_0 as a function of energy between 0 and 300 keV, 22:18285
  Strength functions S_0 and S_1, total radiative width GAMMA/sub γ/ and mean level spacing anti D as function of mass number and spin value, 23:5854
  Variation in total radiative width GAMMA/sub γ/ as function of mass number A and value of spin J = I +- $^{1}/_{2}$, 24:8861 (UCRL-Trans-10397)
  Variations of total radiative width GAMMA/sub γ/ as a function of mass number A and the spin value J = I - + $^{1}/_{2}$, 23:37160
  Widths of 6.92(2^{+}) and 7.12(1^{-}) MeV levels in ^{16}O, 22:50543
MORGENSTERN, Joseph Density functions S_0 and S_1 of the nucleus of ^{209}Bi, 22:9887
  Study of the neutron strength function and of the scattering radius as a function of mass number, 23:13226 (CEA-R-3609)
MORGENSTERN, Leon Effect of pancreatic secretions on postradiation enteropathy, 22:28632
  Prolongation of postirradiation survival, 22:47557
  Protection against lethal irradiation injury by pancreatic enzyme exclusion, 22:21547
  Survival in lethally irradiated dogs, 25:29651
MORGENSTERN, Oskar Economics of the peaceful uses of undergound nuclear explosions, 21:39072 (PNE-3005)
MORGENSTERN, R. Energy analysis of electrons ejected in slow ion—atom collisions, 23:48713
MORGENTHAL, Jutta Oxidation-resistant hard materials, 22:2580
MORGENTHALER, A. C. CPDREV: spare parts inventory control system, 25:18558 (ARH-1474)
MORGENTHALER, George W. Conference on unmanned exploration of the solar system, Denver, 2/65, 22:2774
  Interstellar exploration mission profiles, 24:19917
MORGIDA, J. Ablation test results on materials evaluated in AVCO 10 MW arc facility, 24:24966 (SC-CR-68-3546)
MORGNER Experiences in the pre-testing and acceptance of steel safety vessels and pressure vessels, 22:27499
MORGUE, Michel Contribution to the study of a deconvoluter-convoluter for analysis of complex spectra, 21:19914
MORGULEFF, N. Forbidden lines of O I and N I in night airglow at magnetic equator, 22:34373
  Narrow-band photometry of G and K stars, 24:19599
  Radial velocity of EN (16) Lacertae, 24:32549
MORGULEFF, Nina Photoelectric spectrometry and spectroscopic observations of the variable star VZ Cancri, 23:10358
MORGULIS, N. D. De-excitation of decaying discharge plasma in cesium vapor, 23:44413
  Discharge plasma in He and Ar with admixture of Cs and K vapors, 21:31445
  Interactions of beams of charged particles with a plasma, 21:16938
  Ionic composition of arc-discharge plasma in cesium vapor, 23:8617
  Ionization in discharge cesium plasma, 21:46375
  Molecular Cs ions in Cs discharge plasma, 24:21781
  Nature of ionization in a photoresonant cesium plasma, 24:40095
  Physical properties of plasma in Cs vapors, 22:5349
  Production of a cesium plasma by resonance irradiation and some of its physical properties, 21:44124
  Some peculiarities of cesium levels at decay of discharge cesium plasma, 24:21782
  Thermalization of electrons in a plasma of a short arc in cesium vapor, 23:12813
  Thermalization of electrons in short arc plasma in cesium vapors, 21:11651
MORGUNOV, V. N. Formation of gold nuclei on ionic crystals, 25:29910
MORGUNOVA, N. N. Effect of Ti, Zr, and Hf on the properties of alloys of Mo with C, 21:18240
  Hot brittleness of molybdenum alloys, 24:27759
  Influence of carbon on Mo ductility, 25:29863
  Mechanical properties of high-melting-point metals, 21:22876
  Mechanical properties of refractory metals, 24:14761
  Precipitation hardening of Mo-base alloys, 22:13014
  Temperature dependence of mechanical properties of certain Mo and W alloys, 25:29864
MORI, A. Note on the proton inelastic scattering to the first 1^{+} state of ^{12}C, 25:38900
  Nuclear reactions (t,p) for light nuclei and nuclear structure, 22:26889
MORI, Chizuo Photoelectric emission of metals by x rays in keV region, 24:37192
MORI, Chuzi Temperature distribution in biological shield concrete of KUR, 24:38599 (KURRI-TR-70)
MORI, H. Application of radioisotopes in continuous casting of steel, 24:31603
MORI, Hideo Determination of oxygen in ferrosilicon by 14 MeV neutron activation, 22:8010
  Non-destructive determination of hydrogen in organic solvents in neutron slow-down process, 21:8219
MORI, Hiroaki Radiation-induced polymerization of nitroethylene, 23:33226
MORI, Hirotaka Ionospheric measuring probe, 23:5299
  Ionospheric measuring probe. II, 22:52661
  Ionospheric measuring probe. III, 22:47989
MORI, Ichiro Experiment of charge exchange loss of plasma confined by mirror magnetic field, 22:5310
  Potential distribution in a magnetized cold plasma, 22:7282
MORI, Itsuhiko Rapid separation of metallic ions and ^{140}Ba—^{140}La by thin-layer electrophoresis, 24:14041
MORI, Itsuo Spectrophotometric determination of tin(IV), 24:26980
  Spectrophotometric determination of Zr(IV), and F with gallien, 25:31802
MORI, Itushiko Rapid separation of ^{90}Sr—^{90}Y, ^{212}Pb—^{212}Bi by thin layer electrophoresis on short cut pieces of chromatosheet, 22:8183
MORI, K. Example of dynamical systems with linear trajectory, 22:3296
  Hall angle of dirty type-II superconductor, 24:8401
  Photoproduction of N*(1236) from H, 22:24513 (INSJ-107)
  Prog. rpt. on radiation control, 8/69, 25:49177 (JAERI-13687)
  Turbine generator: references for JPDR operation, 25:51024 (JAERI-13509)
MORI, K. J. Radioprotective effect of reticuloendothelial system blockade in mice, 25:26926
MORI, Kazuo Chemotherapy and radiation therapy of malignant brain tumors, 22:31140
  System for determination of time-varying spectral line profiles, 25:43343
MORI, Kenju Composite system with linear trajectory, 22:5521
  H-quantum and integral Lorentz transformation, 23:39693
  Horizontal air shower and anomalous muon interaction, 24:26029 (INSJ-114)
  Multiplicity in high-energy hadronic collisions, 24:47431
  Principle of separability in high-energy reactions, 24:49433
MORI, Koichi Appraisal study of CO_2 gas-cooled heavy water moderated reactor, 24:46052
  Code for stress analysis by the three dimensional finite element method, 25:6458
  Contribution of heavier nucleus on neutron slowing down in hydrogenous mixture. II, 21:33867
  Electron spin resonance studies on radiation-induced solid state polymerization of methyl methacrylate, 25:29117
  Electron spin resonance studies on radiation-induced solid state polymerization of acrylonitrile, 25:29118
  Examples of stress analysis of structures by finite element method, 25:60142

  Radiation induced solid state polymerization of acetaldehyde, 24:36287
  Radiation induced solid state polymerization of acrylonitrile at low temperature, 25:146
MORI, Kunikazu Polarization of recoil protons from neutral pion photoproduction, 22:44306
MORI, L. Dispersion strengthened Al for nuclear purposes, 22:43647 (EUR-4035)
MORI, M. Production of radioisotope ^{28}Mg, 21:40401
MORI, Masashi Application of CASRAD to pulmonary function studies, 25:51862
  Application of Catheter-type semiconductor radiation detector (CASRAD) to pulmonary function studies, 25:375
  Electron loading in the accelerating tube of the electrostatic accelerator, 24:15745
MORI, Masatake Exponential approximation for transition probability, 22:7139
  Ionization cross-section of an atom, 23:18434
  Ionization of H in slow collisions with He, 24:51418
  Transition probability in ionization of atoms by collision. II, 21:2022
MORI, Masushi Elastic and inelastic scattering of protons on ^{22}Ne and the T = 1/2 and T = 3/2 energy levels of ^{23}Na, 21:15538
MORI, Michiaki Fission electric cell, 22:45289
  Measurement of the void coefficient of reactivity, 22:20925
MORI, Naomichi Molten pool phenomena in submerged ARC welding, 24:31604
  Tempering characteristic of A-302YB, 21:9182
  Tempering characteristics of ASTM-A-302B steel for atomic pile use, 23:8177
MORI, Nobuo Adjusted value of effective width for H_2O and D_2O, 23:28220
  Electron—phonon interaction and paramagnetic susceptibilities for transition metals, 25:50022
  Magnetic properties of sigma phase of some 3d-transition alloys, 23:32583
MORI, Norihisa Studies on analysis of rare earths. III, 25:39425
MORI, Nubuo Calculation of paramagnetic susceptibilities for bcc transition metals and their alloys, 23:25466
MORI, Ryutaro Magnetic amplifier for low-level input signals, 23:735
MORI, S. Elastic scattering of K^+ mesons by polarized protons at 1.54 and 1.71 GeV/c, 24:12953
  Further search for S = + 1 baryon states in photoproduction, 23:5565
  Linear plasma current multipole experiment, 24:42716
  Photoproduction of Y^{*0} resonant states, 21:27296
  Plasma confinement in the JAERI hexapole with high toroidal field, 25:38328 (CONF-710607-6)
  Ratio of Λ and Σ^0 photoproduction cross sections; high-mass hyperon resonances, 22:11570
  Search for S = + 1 baryon states in photoproduction, 21:35250
  Search for S = + 1 baryon states in photoproduction, 24:8556
  System for injection study of NAL main accelerator, 25:50534
  Theoretical calculation of cosmic-ray solar diurnal variation. II, 23:3309
  Theoretical calculation of cosmic-ray solar diurnal variation. I, 23:3308
  Thermal instability and control of fusion reactor, 25:38483 (CONF-710607-132)
  Two-ways sidereal anisotropy, 22:9125
MORI, Satoru Cosmic-ray diurnal variations, 21:20791
MORI, Shigeki Photoproduction of hypercharge-zero resonant states from hydrogen, 22:9498
MORI, Shigeru Linear plasma current multipole experiment, 24:21821
  Plasma equilibria in linear multipole magnetic fields, 23:44456
  Research and development of nuclear fusion, 25:25172
  Thermal stability of a fusion reactor, 25:36178 .
MORI, Shigeyuki Effect of heavy particles from $^{10}B(n,\alpha)^7Li$ and $^6Li(n,\alpha)^3H$ reactions on the growth of barley seedlings, 22:12943
  Repair of uv-induced allelic recombination in yeast, 22:47513
MORI, Shiro Amperometric determination of sulfur in plutonium sulfide and plutonium—uranium sulfide ceramic fuels, 22:8015
MORI, Shozo Medical universal human counter. IV, 22:33655
MORI, Sigehiko Sum and difference frequency generation in a plasma, 23:18709
  Sum and difference frequency generation in a plasma. II, 24:17991
MORI, Sigeru Experimental study of forces on a body in a magnetized plasma stream, 22:9335
  Levitation of current carrying hoops of quadrupole magnetic field, 23:42351
  Levitation of current carrying hoops of quadrupole magnetic field, 23:48938
MORI, T. Determination of free thyroxine in human serum, 23:45230
  Thermodynamic behavior of niobium carbide, carbonitride, nitride, and sulfide in steel, 22:2623
MORI, Tagako Spectrophotometric and fluorimetric determination of sulfate using Th-flavonol complex, 24:29206
MORI, Takesaburo Fate of patients administered Thorotrast more than 22 years previously, 21:24574
  Malignancy and other injuries following Thorotrast administration, 22:40906
  Pathological and radiological studies of chronic Thorotrast injury. II, 21:24579
  Pathological and radiological studies of chronic Thorotrast injury. I, 21:24573
  Pathological studies of radioactivity effects in body disturbances. II, 22:10837
  Spindle-cell sarcoma in the syrian hamster produced by Thorotrast, 21:11049
MORI, Terunori Analysis of proton—nucleus forward scattering, 23:40122
MORI, Tetsuro Inhibition of gastrointestinal absorption of radioactive strontium with some ion exchangers, 23:26663 (NP-tr-1757)
  Removal of strontium from body with chelating agents, 22:51583
MORI, Tomoyuki Conformation therapy technique on 6 MeV linear accelerator in treatment of the carcinoma of cervix uteri, 25:8740
  Dose distribution analyser for film dosimetry, 23:20017
  Modification of dose distribution in high-energy electron beam treatment, 25:46935
  Residual lesions following external high energy radiation therapy, 25:58074
MORI, Toru Determination of protein-bound I in sera by neutron activation analysis, 21:32096
  Whole body counter at Kyoto University, 21:45707
MORI, Toshio Astatine-211-induced transplantable pituitary tumor, 22:2538
MORI, Toshisada Thermodynamic properties of niobium carbides and nitrides in steels, 22:41120
MORI, Y. Hydrogen exchange between deuterium and charge-transfer complexes, 22:10246
MORI, Yasuo Nonequilibrium MHD power generation by a shock tube, 22:47866
  Nonequilibrium MHD power generation, 23:20742
  Properties of combustion gas and its plasma, 23:12608
  Properties of combustion gas and its plasma. II, 23:25185
  Thermodynamic and electrical properties of a burning gas and its plasma. I, 22:17436
MORI, Yohsuke Conductivity of ionosphere at dip equator during solar eclipse Nov. 12, 1966, 23:3379
MORI, Yoshihiro Analysis of zirconium compound, 25:26150
  Fundamental studies on the ion exchange separation of isotopes. V, 25:39569 (ORNL-tr-2507)
  Ion-exchange and isotope effect of lithium ions in formamide, 22:2062
MORI, Yoshinori Bilateral reticulum cell sarcoma of testis, 22:21558
MORI, Yukio Hemorrhagic death following radioinduced bladder injuries, 21:409
MORI, Yuriko Comparison of energy losses of protons and deuterons of exactly the same velocity, 22:35277
MORIARITY, K. J. M. Generalized Veneziano model for $\pi^- p \to K^0$ anti $K^0 n$, 25:59492
MORIARTY, Daniel J. Urinary bladder opacification following lymphangiography, 23:2872
MORIARTY, J. L. Chemical aspects of industrial preparation of the rare earth metals, 22:23727 (CONF-670502-, pp 653-64c)
  X-ray examination of some rare-earth-containing binary alloy systems, 21:4973
MORIARTY, K. Absorption model and U(6,6) for photoproduction, 24:1540
  Nucleon—antinucleon charge-exchange scattering using U(6,6) and the absorption model, 21:29528
  $U_{6,6}$ peripheral absorption model for production processes, 23:34579
MORIARTY, K. J. Control system for trace heating on EBR-II secondary Na piping, 22:50698 (ANL-7433)
  EBR-II instrumentation experiences, 22:14245 (ANL-7380, pp 22-8)
  Instrument probe for measuring temperature and pressure in the upper plenum of the EBR-II reactor vessel. EBR-II Project, 25:12781 (ANL-EBR-25)
MORIARTY, K. J. M. Application of the generalized Veneziano model to $K^- p \to K^{*-} \pi^+ n$, 24:40403
  Model for high-energy inelastic processes, 22:50391
  Pion—nucleon backward scattering and peripheral absorption model, 23:34608
  Regge quark model for $0^- {}^1/_2{}^+ \to 0^- {}^1/_2{}^+$ scattering, 25:25450
  Reggeized U(6) X U(6) X O(3) absorption model for $\pi^- p \to \pi^0 n$, 24:40400
  Reggeized U(6) x U(6) x O(3) absorptive peripheral model for O^-/sup 1/2/$^+ \to O^-$/sup 1/2/$^+$, 25:1536
  Reggeized U(6) x U(6) x O(3) and absorptive correction cuts for $0^-1/2^+ \to 0^-1/2^+$ charge-exchange reactions, 24:13102
  Reggeized U(6) x U(6) x O(3) and absorptive correction cuts for $K^+n \to K^0p$, 24:28556
  Reggeized U(6) x U(6) x O(3) and absorption model for $\gamma p \to \pi^+ n$, 24:37701
  Removal of baryon parity doublets in Veneziano model for meson baryon scattering, 25:33759
  Residue recurrence relations for Veneziano model, 25:33868
  Toward inclusion of spin in generalized Veneziano model for $K^- p \to \pi^- \pi^+ \Lambda$, 25:14716
  Veneziano model for $K^- p \to K^{*-} \pi^+ n$ and $K^- p \to$ anti $K^{*0} n$ taking some account of spin, 25:45756
MORICE, J. A. Moessbauer studies of ^{57}Fe in zeolites, 22:34758
MORICEAU, Yves Instabilities in solutions to Fredholm and Volterra integral equations of first kind, 22:48571 (CEA-R-3427)
MORI-CHAVEZ, Pablo Influence of altitude on late effects of radiation in RF/Un mice: observations on survival time, blood changes, body weight, and incidence of neoplasms, 24:39578
MORIER, Francis COREGRAF 2: adjustment and comparison with experiment, 25:28654 (CEA-N-1344(2))
MORIETTE, P. Plasma heating by strong shock waves, 25:38383 (CONF-710607-120)
  Strong shock waves, 24:45285
MORIGNOT, Serge Measurement of the electron temperature of a rapidly changing plasma, 25:33220
MORIGUCHI, Etsuko Stability of DNA in E. coli irradiated with ultraviolet light, 21:6729
MORIGUCHI, Yoshiro Radiation damage in the silicon solar cell, 23:41185
MORIHARA, H. Prog. rpt. on thermal insulation, Phase II, final report, 9/67—9/70, 25:38005 (ALO-2832-43)
  Prog. rpt. on thermal insulation, quarterly, 3—5/69, 23:43455 (ALO-3632-41)
MORII, Hirotoshi Interaction of vitamin D parathyroid hormone and thyrocalcitonin, 22:7939 (COO-1668-4)
MORII, Toshiyuki Fireball model with double Regge pole exchange for multiple production, 24:40428
  Optical model and rho-meson matter density, 25:22820
MORII, Tsuneo Beta- and gamma-spectroscopy of /sup 80m/Br, 23:37182
  Gamma-ray energy of ^{40}K, 22:50582
MORIKAWA, G. K. Axially symmetric hydromagnetic equilibria with spherical plasma—vacuum interfaces, 25:27691
  Double-toroidal hydromagnetic-equilibrium configurations within a perfectly conducting sphere, 23:39445
  Korteweg—de Vries equation for nonlinear hydromagnetic waves in warm collision-free plasma, 23:48950
  Steady, oblique, nonlinear waves in a warm collision-free plasma, 21:7250
  Toroidal hydromagnetic equilibrium solutions with spherical boundaries, 24:15342
MORIKAWA, Masahiro Color centers in silicate glass induced by ionizing radiation, 22:50995
  ESR of Mn^{4+} and Mn^{2+} ions in MgO:Mn, Li and CaO:Mn, Li, 21:14271
MORIKAWA, Masaki Crystal structure of ω phase in Ti—Mn and Ti—Mo alloys, 22:49768
  Omega phase in Ti—Mo alloys, 24:17313
  Transmission electron microscopic observation of the transition phase omega in Ti—Mo and Ti—Mn alloys, 24:46753
MORIKAWA, Susumu Electron radiation burn due to electrostatic accelerator, 23:2976
MORIKAWA, T. Air conditioning in the nuclear power plant, 25:34788
  Semi-hot wall duct for MHD generator, 25:24941
MORIKAWA, Takashi Determination of micro amounts of Ca in Ta, 24:2128
MORIKAWA, Tetsuya Experimental study of MHD generator ducts for long operation, 23:30385
MORIKI, Toshio Growth inhibition and radiosensitization of 5-fluorouracil in culture of HeLa cells, 25:58082
MORILLON, C. Infrared emission spectra using a SISAM. III, 23:51382
  Study of emission spectra of Sm, Nd, and U between 2.3 and 4.1 μm with a grating spectrometer, 25:6339
MORIMITSU, Wataru Making of Ge(Li) detector and its application, 25:2437
MORIMOTO, E. M. Facility for the determination of low-level tritium in biological and environmental samples, 25:55003 (UCRL-73128)
MORIMOTO, Hiromi Heredity, environment, learning, and the brain, 21:4430 (UCRL-16806, pp 34-8)
MORIMOTO, Hiroyoshi Radiation effects on cells. III, 21:1804
MORIMOTO, Ichiro Influence of temperature in the contact area on the static welding characteristics of electrical contacts, 25:13644
  Rotational hysteresis of alloys of $SmCo_5$—$SmCu_5$ system, 25:11984
  Rotational hysteresis of the $SmCo_5$—$SmCu_5$ system, 24:24145
MORIMOTO, Kanichi Masking substances for non-destructive testing, 21:3227
MORIMOTO, Kimio Dynamic orientation of ^{60}Co nuclei, 21:29939
MORIMOTO, M. Continuum radiation from southern hemisphere galactic HII regions, 23:6820
  Galactic background at 4 GHz, 23:39258
  High-resolution mapping of four strong radio sources at 80 MHz, 23:25052
  New compound interferometer operating at 160 MHz at Nobeyama, 24:1209
MORIMOTO, Nobuo Crystallography of V/sub n/O/sub 2n-1/ (3 less than or equal to n less than or equal to 8), 25:58393
  Growth and magnetic properties of V_8O_{15} single crystals, 24:44774
MORIMOTO, S. Plasma containment in a combined mirror—multipole magnetic field, 25:9399
MORIMOTO, Shigeyuki Density measurement of plasma by CO_2 laser interferometer, 22:48085
MORIMOTO, T. Moessbauer spectroscopy studies of the radiolysis of ferric compounds, 24:41342
MORIMOTO, Takeshi Isotope effect of electromigration in some solid alkali halides, 25:29041
MORIMOTO, Yoshio Determination of hydrogen and oxygen in metallic uranium, 24:29180 (ORNL-tr-2322)
MORIMOTO, Yukiyoshi Hydrogen—deuterium exchange in methyl group of diammine-bis-(acetylacetone)ethylenediimine-cobalt(III) chloride in deuterium oxide solution, 23:9407
MORIMYO, M. Temperature-sensitive recovery of a mutant of Escherichia coli K-12 irradiated with ultraviolet light, 25:55360
MORIMYO, Mitsuoki Appearance of low molecular weight DNA in a rec^- mutant of E. coli K 12 irradiated with x-rays, 22:45410
  Mutant of E. Coli K_{12} exhibiting varying ultraviolet sensitivites. II, 24:14451
  Mutant of E. coli K12 exhibiting varying ultraviolet sensitivities, 23:26962
MORIN, B. Friction and wear in liquid metals, 23:46035 (ANL-7520(Pt.1), pp 110-24)
  Various aspects of friction in liquid sodium, 24:4783
MORIN, Baudry Nuclear Power Plant Bugey 1. VIII, 24:30972
MORIN, Bernard Leak-tight support for rotary seal plug, 24:35996
MORIN, C. R. Effect of alloy composition on stress corrosion cracking of Fe—Cr—Ni base alloys, 24:46140 (COO-1319-81)
MORIN, G. Angiography of the hepatic scintigraphic lacuna, 24:7952

MORIN, Henri Transfer device, 25:32197
MORIN, J. Explosive generator-powered plasma focus, 25:40692
MORIN, Jacques Generation of intense currents by the conversion of explosive energy into electrical energy, 25:47362
MORIN, Lawrence J. Radioactive phosphorus in the treatment of metastasis to bone from carcinoma of the prostate, 21:16378
MORIN, M. Decontamination of the skeleton, 25:49092
  Experimental contaminations with americium in solution and their treatment, 25:44800
  Experimental research on the treatment of contamination by transplutonium elements, 25:8590 (CEA-CONF-1658)
  Experimental study of contaminations by ^{242}Cm and their treatment, 25:6619 (AEC-tr-7178)
  Metabolism and therapy of respiratory contamination by some soluble actinides, 25:46676 (ORNL-tr-2491)
  Remarks on a case file of bilateral mammilary cancers, 21:45805
  Respiratory contamination by actinides in solution, 25:35091
  Study of ^{242}Cm contamination and treatment, 25:6686
MORIN, Michel L. Heat transfer during film condensation of potassium vapor on a horizontal plate, 22:25608 (NP-17416)
MORIN, Michele Efficiency of chelating agents of polyamine acid series for internal decontamination, 22:51564 (CEA-R-3519)
MORIN, Noel Curienite, a new mineral species, 23:17620
MORIN, P. Anisotropy of exchange and its variation with lattice parameters for rare earths in the paramagnetic state, 25:52947 (CONF-711001-(Vol.2), pp 713-23)
  Paramagnetic anisotropy in strong fields and exchange anisotropy: application to dysprosium, 25:47636
MORIN, P. P. Influence of Compton scattering on scanning resolution, 22:33886
MORIN, Pp. Assembly and study of defocalized collimator, 24:25519
MORIN, R. Burnout detector realisation, 23:52488 (LIB/Trans-209)
  Temperature fluctuations in heating wall and in boiling liquid during nucleate boiling, 21:10528 (EUR-3162.f)
  Use of a digital computer for starting and operating the EDF-3 nuclear-power station, 21:10157
  Utilization of digital computers for starting and running EDF-3 atomic power plant, 22:7824 (AEC-tr-6913)
MORIN, Rene What is boiling, 21:22093
MORIN, S. De-excitation of singly ionized barium ions by electron impact, 24:19610
  Electron excitation cross sections for some N V multiplets, 24:35186
  Excitation of singly ionized barium ions by electron impact, 24:17679
MORIN, S. J. Development of magnetohydrodynamic waves behind an ionizing shock wave, 22:20000
MORIN, Stephen Wave coupling across a density discontinuity in a magnetized plasma, 23:12898
  Wave instabilities in partly ionized gases, 24:21833
  Wave propagation in partly ionized viscous plasmas, 24:49209
MORINA, M. F. Mechanism of energy transfer from aromatic compounds to rare earth ions, 22:16461
MORINAGA, H. (p,n)-Total cross sections on ^{144}Sm and ^{142}Nd, 21:1118
  Beta decay of ^{237}Pa, 24:26649
  Comments on the molecule, 24:49759
  Emission of charged particles after capture of slow neutrons in ^{22}Na, 25:53696
  Gamma ray spectroscopy of nuclear reactions, 22:16097
  Gamma rays following heavy-ion bombardment of light nuclei, 23:21289
  New activity ^{52}Ti, 21:38292
  New isomeric state in N = 81 nuclei: /sup 145m/Gd, 23:23734
  On- and off-beam gamma spectroscopy on neutron deficient isotopes of Ge, Se, Br, and Kr, 25:28213 (CERN-70-30(Vol.2), pp 911-15)
  Reactions (^{3}He,2nγ) on Te, Sn, and Cd isotopes, 21:13888
  Remarks by H. Morinaga, 21:25602
  Scandium 51, 21:1052
  Search for trineutrons, 22:41955
  Some remarks on the new region of deformation, 22:30023
MORINARI, Hajime Application of CASRAD to pulmonary function studies, 25:51862
MORINI, M. Experimental study of toxic effects of combined irradiation and 5-fluorouracil, 21:20408
MORINIGO, Fernando B. Analytic expressions for particle spectra of sequential three-body break-ups, 23:23759
  Analytic theory of subcoulomb stripping. II, 21:1034
  Analytic theory of subcoulomb stripping. III, 21:15628
  New approach to collective nuclear motions, 24:52724
MORINO, Kuniaki Irradiation effects on normal organs. VI, 25:46973
MORINO, Yonezo Measurement of electron-diffraction intensity by a digital voltmeter, 21:15959
  Microwave spectra of methyl bromide and methyl bromide-d_3, 22:2063
  Microwave spectrum of methylene fluoride. Centrifugal distortion and molecular structure, 24:29257
  Microwave spectrum of propylene, 22:35800
  Microwave spectrum, structure, quadrupole coupling constant, and force constants of NSCl, 25:10532
MORINOBU, S. Anomalous states in ^{83}Rb (Z = 37) nucleus, 22:27001
  Magnetic dipole and electric quadrupole moments of anomalous coupling $^{7}/_{2}{}^{+}$ state in ^{83}Kr, 22:27000
  Structure of Pt nuclei. II, 24:38298
MORIOKA, Akira Frequency analysis of the geomagnetic pulsations, 21:7087
  Study of origin of geomagnetic pulsations in equatorial, low, and middle latitudes, 25:30356
MORIOKA, Shigeki Effect of dissipation due to firehose instability on perturbation half-jet flow of a collisionless plasma, 25:19676
  Effect of finite Larmor radius on perturbation flow mixing of collisionless plasma, 24:28274 (N-70-11902)
  Effects of finite Larmor radius on perturbation flow mixing of collisionless plasma, 25:17174
  Evolutionary conditions for shock waves in collisionless plasma and stability of the associated flow, 23:12922
  Finite-Larmor-radius hydromagnetic flow past an obstacle, 25:14329
  Magnetohydrodynamic shock waves in nonaligned flow, 23:25190
  Nonequilibrium flow in MHD, 22:5213
MORIOKA, Susumu Effects of alloying elements on the pitting corrosion of aluminum, 24:29918
MORISAKI, Rokuro Studies on radiological diagnostics in thyroid nodules, 24:4654
MORISAWA, Shinsuke Safety evaluation of solidified radioactive wastes into the ground, 24:48251
MORISHIGE, Toshiko Contamination of food by fallout caused by Red China, 24:34310
  Distribution of ^{95}Zr—^{95}Nb administered subcutaneously to rats, 24:36685
  Effect of ^{95}Zr—^{95}Nb in albino rats. I, 23:17958
  Effect of ^{95}Zr—^{95}Nb on mice. IV, 25:26962
  Effect of ^{95}Zr—^{95}Nb to albino rats. I, 23:6348 (NSJ-tr-97)
  Effect of ^{95}Zr—^{95}Nb to albino rats. III, 23:22194
  Experimental studies for effect of ^{95}Zr—^{95}Nb on albino rats. II, 23:792
  Experimental studies for the effects of ^{95}Zr—^{95}Nb to albino rats. I, 21:34570
MORISHIMA, A. Irradiation test of the Sumitomo test assembly, 24:14970
MORISHIMA, Atsuyoshi Analysis of instrumentation data from IFA-150 irradiated in HBWR, 25:28692 (JAERI-Memo-4248)
  Design for power reactor fuel assembly, 25:51095 (JAERI-12704)
  High power irradiation test of TA No. 2R in JPDR. I, 22:42283
  Pressure drop in JPDR test fuel assembly, 25:50885 (JAERI-13548)
  Uranium dioxide fuel pin elongation behavior under irradiation, 25:58414
MORISHIMA, Hiroshi Primary process in the direct action of ionizing radiation on proteins: electron paramagnetic resonance of a glycylglycine single crystal γ-irradiated at 77°K, 25:26300
MORISHIMA, Hiroshige Behavior and distribution of radioactive substances in coastal and estuarine waters, 25:34760
  Determination of arsenic in biological materials by activation analysis, 22:48
  Radiation hazard control system, 25:42480
  Radioactivities in sea near the Goto Islands, 25:29241
  Release of radioactivities from ion exchange resins into sea water, 23:11676
MORISHIMA, Nobuhiro Kinetics of the gas reactor, 23:33099
  Neutron fluctuation in power reactors, 25:51049
MORISHIMA, Yotaro Radiation-induced gas phase graft copolymerization of butadiene to poly(vinyl chloride). I, 24:13885
  Radiation-induced gas phase graft copolymerization of butadiene to poly(vinyl chloride). II, 24:13886
MORISHITA, Masaaki Effect of x irradiation in carcinoma, 23:31936
MORISHITA, Norikazu K^{+}—K^{0} mass difference and A_2 Regge pole, 25:36496
MORISON, W. G. Industry's role: a utility view, 25:54009 (70-CNA-654)
  Multi-unit aspects of Pickering generating station, 22:30237
  Multi-unit aspects of the Pickering generating station, 22:3809 (AECL-2941)
MORISSET, A. Riverbed pollution. Development of equipment simulating natural flow, 25:18940
MORISSET, M. Corrosion of electrolytic coatings of Zn and Cd, 24:17221
MORISSET, Roger Coupled-inductance level indicator for liquid metals, 22:23391
MORISSETTE, R. P. Devices for cyclic and transient power control in a steady-state neutron flux gradient, 21:30139 (GEAP-5036)
  Unique problems and solutions on GETR materials irradiation capsules, 21:20536 (CONF-660511-, pp 1.3.1-9)
  Use of neutron filters for fast reactor fuel irradiations in a thermal reactor core, 21:27674 (GEAP-5035)
MORITA, E. T. False positive /sup 99m/Tc hepatic scintiscan, 24:36793
MORITA, Eiichi Effects of oxidation on surface-barrier detectors, 21:17828
MORITA, I. Low-background β ray spectrometer for solid samples, 23:6309
MORITA, Itsuo Low-background β-ray spectrometer, 24:31721
  Luminescence in CaI:Tl, 23:3570
MORITA, K. Backscattering of protons from Ge, 24:24114
  Effects of radiation damage on channeling of MeV protons in KBr, 25:3201
  Generalized Weinberg sum rules in deep inelastic current—hadron scatterings, 25:56461
  Ion mass effect in dechanneling rate, 25:36289
  Light-cone singularities of current commutators and modified Weinberg sum rules, 25:5364
  Radial dependence of P_1 interaction in schematic model, 25:20506
MORITA, Katsuhiko Atomic bomb radiation effects on antibody formation, 22:6837
  Serologic response of atomic bomb survivors following Asian influenza vaccination, 21:12926
  Serologic response of atomic bomb survivors following Asian influenza vaccination, 22:571
MORITA, Katsusada Composite models of hadrons and high energy photoproduction of vector mesons, 22:5532
  Conspiracy relation for the reaction N anti N $\rightarrow$ Y anti Y, 22:29686
  Electromagnetic structure functions of hadrons in infinite-multiplet theory, 25:40924
  Infinite-component wave equation and families of linear trajectories, 24:40362
  Phenomenological analyses of high energy scattering. II, 22:17931
  Phenomenological Regge pole theory. I, 23:46697
  Phenomenological Regge pole theory. II, 23:46851
  Regge poles for Coulomb potential from SO(4,2) theory, 24:18248
  Regge poles in the YantiN channel, 23:10812
  Regge-daughter hypothesis in the quark model, 24:1603
  Regge-pole model of pn and pantip charge-exchange scatterings, 23:5605
  Schroedinger picture for Nambu—Takabayasi equation, 24:47350
MORITA, Kazuo Treatment of cancer of the tongue, 23:50784
MORITA, Kazutoshi Charge transfer in binary organic liquid mixtures of cyclohexane and methyl-substituted benzenes, 21:21998
MORITA, Kenji Dechanneling of MeV protons from Ge, 25:36271
  Energy loss of low-energy protons and deuterons in evaporated metallic films, 23:8462
  Location of impurities in alkali halide crystals by channeling studies, 25:56337
  Scattering of low-energy hydrogen ions and atoms from metallic films, 22:41334
  Stopping cross sections of metallic films for low-energy protons, 21:37124
  Use of metallic film for conversions of $H_1^{+} \rightarrow H_1^{0}$ and $H_1^{0} \rightarrow H_1^{+}$ in energy range 7 to 40 keV, 22:50044
MORITA, Kozo Beam focus in conformation radiotherapy, 25:46940
  Experimental studies during radiotherapy under excess oxygen pressure, 22:40749
  Moving-filter applied to arc therapy, 21:3428
  RBE of 31-MeV electrons, γ rays, x rays measured in mice, 22:15090
  Results of conformation radiotherapy in cervix carcinomas, 25:13530
MORITA, M. Angular distribution of the neutrino in muon capture and nuclear structure, 21:44792
  Muon capture and nuclear structure, 24:52437
  Muon capture rate in ^{12}C with exact nuclear and muon wave functions, 22:26915
  Shell model for ^{12}C and ^{12}B, 24:43150
  Test of time-reversal invariance in electromagnetic interactions using the Moessbauer effect, 21:7532 (NYO-1932-114)
  Theory of muon capture in ^{16}O, 22:20481
MORITA, Makio Radiation chemistry of foods. I, 22:52119
  Radiation chemistry of foods. II, 23:43342
  Radiation chemistry of foods. III, 24:16596
  Radiation chemistry of foods. IV, 25:4117
  Relative rate constants for reactions with OH-radicals in radiolysis of aqueous solutions, 22:42778
MORITA, Mamoru Nervous damage due to radiotherapy, 25:47026
MORITA, Masato Beta—gamma angular correlations and beta-ray angular distributions, 21:15622
  Electron spin density and internal conversion process, 24:52544
  Internal conversion coefficients for electron-spin-polarized ^{57}Fe, 25:5659
  Muon capture and nuclear structure, 23:25846
  Muon capture in ^{12}C and nuclear structure, 23:8946
  Muon capture in ^{12}C and nuclear structure, 23:44834
MORITA, Minoru Degradation of various rubber and plastic insulated wires, and compounds in exposure to γ radiations, 24:46819
  Radiation resistance of various insulated wires and cables, 23:46155
MORITA, R. Determination of free thyroxine in human serum, 23:45230
  Muon capture rate in ^{12}C with exact nuclear and muon wave functions, 22:26915
MORITA, Reiko Beta—gamma angular correlations and beta-ray angular distributions, 21:15622
  Muon capture in ^{12}C and nuclear structure, 23:8946
  Muon capture in ^{12}C and nuclear structure, 23:44834
MORITA, Richard Y. Method for measuring mineralization in lake sediments, 25:32321
MORITA, Rikushi Determination of protein-bound I in sera by neutron activation analysis, 21:32096
  Regional cerebral blood flow measurement with ^{133}Xe and the scinticamera, 25:49235
  Scintillation camera-1600 channel analyzer, 24:32248
  Studies on liver function test with ^{131}I BSP monoiodide and scinticamera, 25:58042
MORITA, S. 2I + 1 rule and the reaction mechanism of the ^{19}F(d,α)^{17}O reaction, 22:18144
  Contribution to the target preparation for low energy nuclear experiments, 21:17247
  Coulomb stripping in reaction ^{89}Y(d,p)^{90}Y at 4 MeV bombarding energy, 23:19226
  Intermediate resonances in the reaction ^{24}Mg(d,p)^{25}Mg, 22:27057
  Mechanism of reaction ^{24}Mg(d,p)^{25}Mg from 2 to 4 MeV, 23:7269
  Reaction ^{89}Y(d,p)^{90}Y at energy below the Coulomb barrier, 22:27050
  Reactions (^{3}He,t) on ^{7}Li and ^{9}Be from 2.0 to 4.2-MeV, 24:10932
MORITA, Shinroku Effects of x-irradiation on the ultrastructure of tissue culture cells. I, 23:29718
MORITA, Susumu Electron loading in the accelerating tube of Van de Graaff generator, 21:19106
  Production of the ^{3}He^{2+} ion by an rf ion source, 22:5066
  Reaction ^{19}F(p,α)^{16}O from 2.2 to 3.4 MeV, 21:7698

Some studies of the ^{23}Na + p reaction at E/sub p/ = 2.2 to 4.5 MeV, 22:22570
MORITA, T. Boundary-layer ion density profiles as measured by electrostatic probes, 21:8521
Measurement of rf ionization rates in high-temperature air, 22:11441
Microwave scattering from an underdense turbulent plasma, 21:5248
Radar interferometry measurements of a turbulent plasma, 22:46129
Radar interferometry measurements of the properties of a turbulent plasma, 24:1378
Radioresistance of the engulfing and degradative capacities of peritoneal phagocytes to kiloroentgen x-ray doses, 21:22297
MORITA, Takahiro Establishment of fuel cycle in Japan, 24:36035
Flow and heat transfer experiments of fuel and control elements, 22:33028
Mixed-spectra, coolant-flowing, superheated-steam nuclear reactor, 21:15720
Nuclear fuel element, 23:11364
Nuclear reactor, 23:15605
Problems in critical calculation for small reactors, 21:25729
Problems in critical calculations for small reactors, 22:18560 (WAPD-Trans-85)
Reactor fuel element, 21:23762
MORITA, Tohru Analytic properties of distribution functions of Bose fluids, 24:21704
Cluster expansion for degenerate Bose fluids, 22:38983
Cluster expansion for quantum gases. III, 22:39214
Long-distance behaviors of the pair distribution function of Bose fluids, 23:39402
Theory of degenerate and nondegenerate Bose fluids, 24:21703
MORITO, Sadaaki Extraction of Eu with di(2-ethylhexyl) phosphoric acid, 25:29185
MORITOKI, M. High-pressure measurement using semiconductor strain gages, 25:15458 (SCL-T-71210)
MORITOMO, Syuhei Baryon decays and Regge recurrence series, 24:13089
MORITZ, Barry Kyler General-relativistic dynamics of Klein—Alfven cosmology, 25:2872
MORITZ, J. Elastic electron—deuteron scattering and electric neutron form factor at four momentum transfers: 5 Fermi^{-2} < q^{2} < 14 Fermi^{-2}, 25:27980 (DESY-71/7)
Elastic electron—deuteron scattering and the electric neutron form factor, 25:50047
Excitation of Δ(1236) resonance on bound state neutrons, 25:56405 (DESY-71/33)
Measurement of time differences in the range milli- to picoseconds, 21:36448
Measurements of radiation-belt protons in energy range 0.25 to 1.65 MeV, 25:58890
On-line use of CDC 1700 computer in experiment in high-energy physics, 24:9711 (KFK-963)
Performance of wire spark chambers with large area and two coordinate read-out, 21:8604
Wire spark chambers with ferrite core storage, 24:9692
MORITZ, Karl B. Blastomere differentiation of soma and germinal tract in Parascaris equorum. II, 22:40950
MORITZ, R. Peroxide hypothesis in radiation biology, 21:14601
MORITZ, Reinhart Influence of INH with x irradiation on energy metabolism of Ehrlich ascites tumor, 21:30773
MORITZ, U. Estimation of reactor kinetics magnitudes in SUR 100 BE by fixed and stochastic signals, 22:6099 (TUBIK-5)
Noise analysis on zero-power-reactor SUR 100 BE, 22:3909
MORIUCHI, S. Molecular motion of peroxy radicals of polytetrafluoroethylene, 25:13034
MORIUCHI, Shigeru Detection efficiencies of NaI scintillation detectors, 23:14006
Detection efficiencies of NaI scintillation detectors for gamma sources in water, 23:19943
Detection efficiencies of NaL scintillation detectors for gamma sources in water, 23:16128
Direct estimation method of radioactive contamination on ground surface in emergency situations, 24:48173
Energy absorption spectrum-radiation dose conversion operator. II, 21:45376
Energy absorption spectrum-radiation dose conversion operator. I, 22:12658
Energy absorption spectrum-radiation dose operator, 23:4838 (NSJ-tr-137)
Scintillation counter for improving measurement of radiation dose, 23:26590
MORIUCHI, Yasuyuki Recent tendency of radiation unit, 25:11064
MORIWAKI, D. Selection for sexual isolation in Drosophila melanogaster, 24:50821
MORIWAKI, Daigoro Sex ratio in progeny from irradiated males in Drosophila melanogaster, 22:15102
Sex-ratio in progeny from irradiated male Drosophila, 21:24395
MORIWAKI, Yoshio Multi-channel pulse height analyzer, 23:745
MORIYA, Hiroshi Influence of massive dose irradiation of ^{60}Co to the mammal. II, 21:26525
Influence of massive dose irradiation of ^{60}Co to the mammal, 21:26567
MORIYA, Makoto Effects of halides on anodic polarization of zirconium in ammonium nitrate solution, 25:8832 (AEC-tr-7204)
MORIYA, Masatoshi Beta-ray areal-weight meter and its application for control of a paper machine, 22:6665
Device for warming the detector in a radiation thickness-meter, 24:11857
Thickness measurement by radiation manufacturing automobile tires, 25:18824
MORIYA, T. Realization of Lie group G(0,1) by function of Landau levels, 25:7699
Study on fire resistivity for irradiated fuel shipping casks, 25:48860 (CONF-710801-(Vol.2), pp 833-45)
MORIYA, Tadao Test and theoretical analysis of fire resistivity of beta-ray thickness gauge containers, 23:582 (CONF-681001-, pp 477-86)
MORIYA, Takeshi Moessbauer effect in iron—carbon martensite structure, 22:15645
MORIYA, Toru Interaction between localized moments in metals, 21:46420
Raman scattering by magnons in rare earth metals, 24:37558
MORIYAMA, Fumihiko Conditions for selection of the site of atomic power plants, 22:14157
MORIYAMA, Fumihiko Conditions of location of nuclear power stations, 23:33017
MORIYAMA, Hideo Studies on X agent. L, 21:14996
Studies on X agent. LII, 21:38981
Studies on X agent. LIII, 21:40128
Studies on X-agent. LI, 21:25922
Studies on X-agent. LIV, 22:49248
Studies on X-agent. LV, 22:49247
Studies on X-agent. XLIX, 21:13411
MORIYAMA, Noboru Calorimetric determination of absorbed dose rate of epoxy resin irradiated in JRR-4, 24:44334 (SJC-A-70-4)
Capsules for samples to be irradiated in nuclear reactors, 24:5783
Conceptual design of the reactant flow loop for fissiochemical studies, 25:57613 (JAERI-Memo-4446)
MORIYAMA, Tetsuro Effect of inosine on radiation damage, 23:50643
MORIYASU, K. Orbital-angular-momentum structure of the A$_1$ meson, 24:24366
Reaction $\pi^- p \rightarrow \pi^- \pi^+ n$ at 16 GeV/c, 24:26376
MORIYASU, Keihachiro Analysis of coherently produced three pion states at 16 GeV/c, 22:24565
MORIYASU, Seizaburo Performance characteristics of some filters using Thoron daughters, 23:13926
MORIZE, Pierre Treating graphite articles and products, 22:4849
MORIZOT, Pierre Determination of equations of state for gaseous hexafluorides of uranium, molybdenum, and tungsten, 25:29073 (CEA-N-1414)
MORK, H. M. Air-borne radioactivity in fallout areas, 21:32655 (UCLA-12-628)
Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
Improved feedback control for Null-point compensating system, 25:31741 (UCLA-12-813)
Persistence of Pu in soil, plants, and small mammals, 24:4590 (UCLA-12-754)
Plutonium in soil, plants, and small mammals, 25:4478
MORK, Harold M. Environmental contamination from a nuclear reactor at NTS, 21:16342 (UCLA-12-615)
Projects 62.86 and 62.80. I and II, 21:12546 (PNE-225-F)
Radiological observations and characteristics of fallout debris from nuclear cratering experiment, Shot Danny Boy, 24:46356 (POR-1818)
Radiological soil analysis: Pacific, 11/52, 22:495 (UCLA-12-654)
MORK, K. J. Pair production by photons on electrons, 21:42307
Radiative corrections. II. Compton effect, 25:52633
MORK, Kjell J. Exact calculation of pair production, 22:44790
Exact calculation of pair production, 23:5571
MORKELYUNAS, L. Yu. Excited core model for ^{63}Cu and ^{65}Cu, 25:31246
MORKEN, D. A. Relation of lung dose rate to working level, 23:31773
MORKEN, Donald A. Effects on mice of continual exposure to radon and its decay products on dust, 21:28596 (UR-669)
MORKIN, L. A. Excitation functions of ^{3}H(t,2n)^{4}He, 25:50627
Generator of short pulses of hard x-rays of high intensity, 25:2401
Investigation of ^{9}Be + t $\rightarrow$ n + t + ^{8}Be reaction, 22:11905
MORKOVNIN, V. I. Local coupling in alloy Nb$_3$Sn, 25:33434
MORKOWSK, J. Anomaly of spin-wave spectrum in spiral spin structures, 22:24477
MORLET, M. D(p,2p) reaction at 150 MeV, 24:52395
Elastic and inelastic scattering of 155-MeV protons by ^{24}Mg, ^{28}Si, ^{32}S, and ^{40}Ca, 22:26946
Elastic and inelastic scattering of 155-MeV protons by ^{6}Li, ^{7}Li, ^{11}B, and ^{14}N, 22:44606
Elastic and inelastic scattering of 155-MeV protons on ^{208}Pb, 23:37252
Measurements of the d(p,2p)n cross section, 23:47793
Reaction D(p,2p)n at 155 MeV and comparison with first-order impulse approximation, 23:25810
MORLEVAT, J. P. Sulfinuz on stainless steel near operating conditions of nuclear reactor, 23:14338
MORLEVAT, J.-P. Ternary diagram U—C—O, 21:9246
MORLEVAT, Jean-Pierre Existence and nature of the oxynitrides of uranium, 22:33368
Nature of hexagonal silicide of uranium USi$_3$ and existence of new ternary compound U$_6$Si$_{11}$O, 22:12312
Practical correction program for electron microanalysis using complex standards, 24:46175 (CEA-N-1289)
MORLEY, A. In vitro and in vivo colony technic in the study of granulopoiesis, 25:16347
MORLEY, Alec Oscillatory nature of hemopoiesis, 25:16336
Periodicity during recovery of erythropoiesis following irradiation, 23:35883
MORLEY, B. J. Beta-counting sensitivities of silicon surface barrier detectors, 21:45381
Silicon pn junction surface barrier detectors and their application to the dosimetry of x- and γ-ray beams, 21:1653
MORLEY, F. Agricultural implications of release of fission products, 21:22462
Classification of radionuclides for transport purposes, 22:28040
Disposal of radioactive wastes arising in the United Kingdom from the peaceful uses of atomic energy, 25:46612 (NRPB-R-1)
Environmental monitoring associated with discharges of radioactive waste during 1966 from U.K.A.E.A. establishments, 22:279 (AHSB(RP)R-79)
Fusion reactors and environmental safety, 25:25149
Radiation hazards during transport of radioactive materials, 22:28046
Radiological protection standards for environmental contamination, 24:7828
Safety considerations in the terrestrial applications for isotope powered generators, 21:26118
MORLEY, Gayle L. Lattice dynamics of solid helium, 22:5413 (IS-T-206)
MORLEY, H. Effect of methane on rate of exchange of ^{14}C between CO and CO$_2$ under radiation, 22:2162
MORLEY, J. Allergic inflammation. I, 25:11193
MORLEY, J. Barrie Differences between lesions in cerebral scanning, 25:42577
Initial experience with technetium cerebral scanning, 23:866
Two roles of the scan in the diagnosis of cerebral tumours, 23:12159
MORLIN, Zoltan An emission electron microscopy study on the heat treatment induced grain growth of molybdenum and tantalum, 21:9196
MORLOT, G. Prog. rpt. on shaping and irradiation of uranium carbide, 1—3/66, 21:11322 (EURAEC-1763)
Prog. rpt. on shaping and irradiation of UC, 4—6/66, 21:24853 (EURAEC-1805)
Prog. rpt. on shaping and irradiation of uranium monocarbide, 4—6/67, 22:19671 (EURAEC-1980)
Prog. rpt. on shaping and irradiation of uranium monocarbide, 7/67—6/68, 24:14962 (EURAEC-2083(Pt.1))
Prog. rpt. on shaping and irradiation of uranium monocarbide, 7/67—6/68, 24:14963 (EURAEC-2083(Pt.2))
Prog. rpt. on UC shaping and irradiation, 10—12/66, 21:36943 (EURAEC-1870)
Prog. rpt. on UC shaping and irradiation, 7—9/66, 21:36942 (EURAEC-1869)
Prog. rpt. on uranium monocarbide shaping and irradiation, 1—3/67, 22:21726 (EURAEC-1979)
MORLOT, Guy Pilot production of 325 kg of uranium carbide, 23:32048 (CEA-R-3745)
MORMAN, Donald H. Titrations in nonaqueous solvents, 22:25304
MORNAS, A. Localization of leakages from a large reservoir using radioactive tracers, 22:19071
MORNEL, E. Resolving time of a GM counter and ionic mobility, 23:11811
MORNEX, R. Stimulation by adiphenine of the uptake of radioactive iodine by the thyroid of the rat, 21:24353
Stimulation of uptake of I by thyroid of rat as an effect of adiphenine, 21:28370
MORO, Antonino Lo Chemical compounds of radioactive P produced by pile irradiation of S compounds, both solid and in solution, 22:111
MOROCHOV, I. D. International cooperation of USSR in the field of peaceful atomic energy utilization, 25:54335 (A/CONF.49/P-743)
MOROI, D. S. Corrections to Bethe—Heitler formulae for bremsstrahlung and pair production, 23:43002
Two particle quantum electrodynamics, 23:42716 (IS-2085)
MOROI, David S. Single-quantum annihilation cross sections in various atomic shells, 24:28088
MOROKHOV, I. D. Nuclear explosions for peaceful purposes, 25:37510 (UCRL-Trans-10517)
MOROKHOV, Igor Soviet nuclear power, 23:17172
MOROKUMA, K. Vibrational vs. translational activation in H$_2$,H$_2$ and H$_2$,D$_2$ exchange reactions, 21:45133
MORONEY, J. R. Fallout over Australia from nuclear weapons tested by France in Polynesia during June and July 1967, 22:14592
Fallout over Australia from nuclear weapons tested by France in Polynesia from July to September, 1968, 23:38110
Radiation hazards, 25:13436
Strontium-90 in Australian environment during 1966, 22:23170
Strontium-90 in Australian environment during 1968, 24:34313
Strontium-90 in the Australian environment during 1965, 21:24117
Strontium-90 in the Australian environment during 1967, 23:7645
Strontium-90 in the Australian environment, 1968, 24:23182 (NP-18100)
MORONEY, John P. Extension of the concept of tissue-air ratios (TAR) to high-energy x-ray beams, 24:44512
MORONI, J. P. Mobile laboratory for personnel spectrometry of SCPRI, 24:7855
Monitoring of exposure to high-altitude ionizing radiation, 24:31969
Organization of surveillance and control of working environment by application of french regulations, 22:21533
Radioactive contamination of marine environment, 24:34209
Radioactivity in the diet, 24:7822
SCPRI emergency kit for a nuclear accident, 24:7851
Seven years of research about levels of environmental and food chain contaminations by radioactive fallout on French territory, 22:43317
Supervision of exposure to ionizing rays on long distance flights, 24:27566
MORONI, J.-P. Internal contaminations following radioactive fallout, 21:16365
MORONI, M. Utilization of a chain of current pulses for the spectroscopy of in-pile neutrons, 25:37627
MORONI, Max Analog computer for calculating the ratio of amplitude of two pulses, 25:4362 (CEA-N-1314)
MORONI, Rolf Removal of radioactive contaminants, 24:19313

MOROROZOV, I. U. I. Tensor of pulsed energy of radiation in a moving medium under conditions close to equilibrium, 25:40725 (LA-tr-71-42)
MOROSHKINA, T. M. Characteristic of some different coprecipitants used in concentrating of niobium, 24:14024
  Concentration of Zr and Hf, 23:45198
  Determination of impurities in refractory bases, 23:37874
  Increasing the sensitivity of the direct spectrographic determination of microimpurities in niobium pentoxide, 25:48448
MOROSIN, B. Crystal structures of anhydrous rare-earth chlorides, 22:52871
MOROSON, H. Attempts to link interruptions in T5 bacteriophage DNA, 23:2790
  Can N-ethylmaleimide preferentially radiosensitize hypoxic tumor cells in vivo, 22:49422
  Effect of polycation on tumour cells in vivo, 25:4563
  Effects of methyl hydrazine and O on radiosensitivity of E. coli, 21:22589
  Enhancement of murine ascites tumor cell killing with x-irradiation by thiol binding agents, 23:31823
  Improvement in alkaline sucrose density gradient sedimentation of mammalian cell DNA, 25:26629
  Influence of hydroxyurea deoxyuridines on the radiation sensitivity of E. coli, 23:2987
  Influence of hydroxyurea, Ellman's reagent and potassium ferricyanide on radiosensitivity of E. coli, 23:2868
  Methyl hydrazine radiosensitized Ehrlich ascites tumour cells, 25:4567
  Single-strand breaks in DNA of Ehrlich ascites tumor cells, 24:9882
MOROSON, Harold Chemical sensitization of mice to radiation lethality, 21:20371
  Polycation-treated tumor cells in vivo and in vitro, 25:24385
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. II, 23:9834 (NYO-910-70)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:586 (NYO-910-122)
  Prog. rpt. on radiation mechanisms and radiation lethality, annual, 5/1/66—5/1/67, 22:8436 (NYO-910-58)
  Radiation protection and sensitization. Proceedings of the second international symposium on radiosensitizing and radioprotective drugs, Rome, 6—8 May 1969, 25:4534
  Radiation sensitization by thiol-binding agents of radioresistant and radiosensitive E. coli and oxygen effect, 23:20442
  X-ray-induced single-strand breaks in DNA of E. coli B/r: effect of irradiation and postirradiation conditions, 25:26655
MOROSOV, A. V. Radiation copolymerization of unsaturated polyesters with monomers, 22:40599
MOROSOV, S. A. Anisotropic instability of the rate of plasma heating in an adiabatic trap at electron cyclotron resonance, 23:18584 (CONF-680113-(Vol.1), pp 407-28)
  Control of reactor power level with statistical discrimination against gamma radiation, 23:11300 (RCN-98, pp 427-37)
  Measurement of absolute reactor power and effective fraction of delayed neutron, 23:11294 (RCN-98, pp 229-38)
  Neutron detectors frequency responses, 23:9700 (RCN-98, pp 161-80)
MOROSOV, V. A. Lifetime of 47.15- and 77.25-keV excited states in ^{165}Er nucleus, 25:25735
MOROSOV, V. M. Elastic scattering of polarized 4-MeV neutrons by heavy and medium-weight nuclei, 21:42648
MOROVIC, Tihomir Stability of superheavy nuclei against electron-capture, 24:49888
  Stability of superheavy nuclei against fission, alpha decay, and electron capture, 25:43919
MOROWITZ, Harold Joseph Uv action and mutation of Bacillus subtilis, 23:41283
MOROZ, A. L. Effect of simple and binary carbides of metals of IV—V groups on properties of cermet nickel, 22:23774
MOROZ, B. B. Bonding of adrenocortic hormones with plasma proteins in radiation sickness, 21:34608
  Changes in binding capacity of corticosteroid-binding plasma globulin in acute radiation sickness, 23:24529
  Effect of adrenocortical reactivity on the course and outcome of experimental radiation sickness, 23:14273
  Electrolyte metabolism and functional state of adrenal cortex in animals affected with ^{210}Po, 22:49608
  Nature of changes in certain functions of organism on chronic poisoning with ^{210}Po, 23:22367 (AEC-tr-6944, pp 281-7)
  Polonium-210 effects on glucocorticoid function in rats, 24:604
  Reaction of adrenal cortex in rats treated with ^{210}Po, 23:18113
  Role of radiosensitive tissues in the mechanism of post-radiation gluconeogenesis, 25:26963
  Role of the adrenal cortex in the mechanism of the radioprotective action of testosterone, 22:51797
  Secondary role of hormones of adrenal cortex in mechanism of induction of postradiation synthesis of glycogen in liver, 23:24518
MOROZ, E. M. Acceleration of a plasma by its own radiation, 23:16805
  Betatron oscillation resonances in an electron synchrotron, 21:29690
  Betatron oscillation resonances in synchrotrons, 22:37264
  Calculating ion trajectories in radial-sector step-field cyclotron, 25:17634
  Distribution of current in the cross section of an electron beam, 21:19111
  Focusing of an ion beam drifting in a nonuniform magnetic field, 25:56602
  Geometry of the orbits in sector-type cyclotrons, 25:17633
  Heat capacity at low temperatures, absolute entropy, and enthalpy at standard conditions of niobium nitride, 24:14909
  Investigation of beam behavior in a sector cyclotron, 23:34694
  Method of calculating a beam of interacting particles, 21:14959
  Nonlinear betatron oscillation resonances in electron synchrotron, 22:32325 (CEAL-2000, pp A59-62)
  Production of polarized bremsstrahlung, 22:38778
  Studies of betatron oscillation resonances in electron accelerators and storage systems, 21:17251
  Theory of capture of particles in synchrotron regime, 23:49291
MOROZ, I. I. Requirements imposed on electrolytes used for the electrochemical machining of metals, 23:27012
MOROZ, I. Kh. Action of radiation on electrical-engineering porcelain, 24:14997
  Structural changes in some ceramic materials during neutron irradiation, 22:23906
MOROZ, L. G. Compton scattering on nucleons, 22:13705
  Double dispersion relations for amplitude of deuteron Compton effect, 25:53094
  One-meson photoproduction energy region of second resonance, 24:40300
MOROZ, Leonard A. Detection of antibody to hemocyanin by direct solid-phase (polystyrene) radioimmunoassay and gel filtration, 25:44753
MOROZ, N. S. Highly sensitive counting system for the nanosecond range, 25:48908
  Measurement of scattering angle of particles by Vavilov—Cherenkov radiation, 25:10869 (JINR-E13-5459)
  Measurement of total cross sections of π^-—p interaction, 25:14561 (JINR-P1-5460)
  Multichannel high-speed semiconductor devices for experiments in physics using 10 GeV synchrophasotron, 21:6293
MOROZ, V. Determination of direction of neutral high-energy particle beam JINR synchrophasotron, 21:3244 (JINR-P-2916)
  Determination of direction of neutral high-energy particle beam of JINR synchrophasotron by conversion pairs and the γ-quanta spectrum of this beam, 22:45332 (ANL-Trans-640)
MOROZ, V. D. Behavior of fission products in soils of Uzbekistan, 25:42319
MOROZ, V. I. Acceleration and extraction of deuterons from the JINR proton synchrotron, 25:12303 (JINR-P9-5442)
  Determination of probability of channel realization of nuclear reaction, 21:7820 (JINR-P10-2935)
  Determination of the probability that a channel of a nuclear reaction realizes, 21:40490
  Development of track chamber picture processing systems at JINR, 25:13279 (CERN-70-21(Vol.2), pp 753-60)
  Generation of a fictitious track, 22:4473 (JINR-P10-3526)
  Geometrical reconstruction program for large chambers, 22:38080 (CERN-Trans-67-8)
  Inelastic (n,p) reactions neutrons energies of 2 to 10 GeV. I, 23:44590 (KFK-tr-287)
  Inelastic np interactions at 2 to 10 GeV. III, 22:44319 (JINR-E1-3940)
  Inelastic np interactions at energy from 2 up to 10 GeV, 23:30702
  Inelastic np-interactions at 2 to 10 GeV. II, 21:18895 (JINR-P1-3145)
  Inelastic np-interactions at 2.10 GeV. I, 22:46323 (JINR-P1-3909)
  Initial approximation for kinematical parameters of charged particle, 23:38321
  Magnetic field calculation in track points, 22:359 (JINR-P11-3512)
  Methods of separation of nuclear reaction channels while bombarding bubble chamber with 2 to 10 GeV neutrons, 22:39424 (JINR-P1-3881)
  Mode of d and He acceleration in JINR synchrophasotron, 23:17020 (JINR-P9-4214)
  $N\pi\pi$ combination in np $\rightarrow p\pi^+\pi^+\pi^-\pi^-n(m\pi^0)$ at 2 to 10 GeV, 23:25517
  Physics of planets, 22:43673
  Program of geometrical reconstruction for big bubble chambers (variant 1-6), 22:49113 (ANL-Trans-668)
  Search for nucleon isobar with T = 5/2 in np-interactions, 21:17033 (JINR-P1-3146)
  Search for resonances in a system of two baryons with s = —1 and s = 0, 21:33603
  Search for resonances in dibaryonic system with S = -1 and S = 0, 21:18897 (JINR-P1-3169)
  Search for resonances in Λ/sub p/ system in collisions of neutrons with carbon nuclei at average momentum of 7 to 8 GeV/C, 22:46322 (JINR-E1-4022)
  Search for the nucleon T = 5/2 isobar in the np-interactions, 21:44265
  Separation of nuclear reaction channels in the exposure of a bubble chamber to the 2 to 10 GeV neutron beam, 23:27825
  Some peculiar objects in the wavelength range 1 to 2.5 μ, 22:52434
  Space coordinate reconstruction of track points by two stereoprojections, 21:275 (JINR-P-2889)
  Spectrum of Mars, 1.1 to 2.5 μ, at 1965 opposition, 22:7097
MOROZ, Wm. J. Plume rise and dispersion near shoreline of a large lake, 22:40229 (AECL-2787, pp 215-28)
MOROZ, Z. Charge collection in Si drifted detectors with inhomogeneous distribution of electric field, 23:19975
  Decay scheme of ^{165}Tm, 22:16040
  Fast neutron excitation of isomeric activities in ^{112}In and ^{114}In isotopes, 22:30003
  Fast neutron excitation of isomeric activities in ^{112}In and ^{114}In isotopes, 23:21335 (ZFK-130, pp 233-8)
  Intensity rules in decay of ^{172}Lu, 24:6896
  Probability of K-capture in decay of ^{139}Ce, 23:4008
MOROZ, Z. J. Measurement of the p-^{4}He differential elastic scattering cross section at 49 MeV and phase shift analyses of p-^{4}He scattering, 21:23408
  Polarization of neutrons from (p,n) reactions on ^{2}D, ^{6}Li, and ^{7}Li nuclei, 23:49318
MOROZHENKO, N. N. Active prominences of July 9 and 11, 1966, 23:22785
  Comparison of faint and bright prominences, 21:41700 (NASA-TT-F-455, pp 15-27)
  Excitation of helium in solar prominences, 24:30099
  Metal component in bright prominence of Sept. 18, 1960, 22:8992
MOROZOV, A. A. Calculation of photoneutron distribution by Monte Carlo method, 25:49964
  Density of the surface layer of the Moon, 22:41253
  Nuclear magnetic resonance in the Earth's field, 22:15480
MOROZOV, A. E. Characteristics of inelastic nuclear interactions of cosmic-ray particles at 10^{11} to 10^{13} eV, 24:21931
  Energy transmitted to π^0 mesons in presence of energies of hundreds of GeV, 22:21938
  Interaction cross section of nuclear-active particles with iron at 100 to 1000 GeV, 22:21911
  Nuclear cascade process in an ionization calorimeter, 21:28263
  Nuclear-cascade avalanches in iron, 22:21924
MOROZOV, A. G. Diode coincidence circuit, 21:22210
  Fast-neutron flux measurement in AES Novo-Voronezhskii reactors, 25:56891
  Search for the $\pi^+ \rightarrow e^+ + e^+ + e^- + \tau$ decay, 24:51917
  Shift of discharge in spark chamber in magnetic field, 21:6244
  Spark chamber magnetic spectrometer for studying the rare decays and interactions of particles, 24:50584 (JINR-P13-5170)
MOROZOV, A. I. Calculation of dose field under screen in gammatherapy, 25:21695
  Calculation of quasi-one-dimensional flow of an ionized gas in a profiled channel, 25:24944
  Coaxial plasma sources for identification of atomic spectra, 24:23752
  Distribution of the magnetic field in a coaxial plasma injector, 21:29229
  Distribution of total pressure in the plasma flow emerging from a quasi-stationary injector, 24:40067
  Double-focus plasma ion—optical systems, 24:38051
  Effect of finite conductivity on two-dimensional plasma flows in a coaxial channel, 22:9166
  Electrical potential distribution in a coaxial quasi-stationary plasma injector, 23:51715
  Equilibrium configurations of uniformly accelerated axially symmetric plasmas, 21:29276
  Evolution of magnetohydrodynamic equations considering the Hall effect, 23:3324
  Experimental confirmation of the existence of stationary self-compressing plasma currents, 22:39095
  Experimental study of a two-lens accelerator, 25:36115
  Experimental study of plasma focusing of ion beams, 25:25554 (IAE-1974)
  Focusing of ion beams by a plasma lens, 24:3808
  Investigation of fields of gamma-radiation from grid and wedge-like filters with aid of a miniature transistorized Si(Li)-detector, 23:35746
  Ion motion in a double-lens accelerator with closed electron drift, 25:49886
  Laminar conductivity effect in a well magnetized plasma, 22:50193
  Near-electrode layers in highly conducting nonviscous plasma flow, 22:21991
  Possibility of prolonging T+E terms of take of skin homotraplants by the method of local x-ray irradiation, 21:39504
  Stationary flows of plasma accompanied by contraction of the plasma stream, 22:29515
  Steady state plasma accelerators, 23:32498
  Theory of focusing of quasi-neutral beams by axially symmetric electromagnetic fields, 21:35025
  Theory of the plane flow of highly conducting plasma in a channel, 25:19671
  Thermonuclear systems with dense plasma, 24:15348 (CTO-686)
  Two-dimensional unsteady flow of plasmas in presence of Hall effects, 21:35186
MOROZOV, A. P. Morphological changes in carcinoma after administration of colloidal ^{198}Au, 22:38369
  Morphological changes in lymph nodes in intratissular administration of ^{198}Au, 22:49449
  Morphological changes in lymph nodes after administration of ^{198}Au, 23:43888
MOROZOV, A. S. Experience in the clinical employment of linear accelerator, 23:29694
MOROZOV, A. V. Radiation technology for studying fiberglass, 25:21012
  Radiation technology of manufacturing glass-plastics, 25:23605
MOROZOV, B. N. Synchrotron waveguides, 21:11900
MOROZOV, B. P. Porosity in weld metal during fusion welding niobium alloys, 21:41545
MOROZOV, B. V. Deuteron generation on nuclei by high-energy protons, 24:28485
  Methods for monitoring proton incidence on the internal targets of high-energy accelerators, 25:31043 (NP-18776)
  Methods of monitoring proton discharge onto the internal target of a high-energy accelerator, 25:31064
  Temporal fluctuations of pulses from FEU-36, 24:11866
MOROZOV, D. F. Emission of radiation during two-particle annihilation of an arbitrarily polarized electron—positron pair, 21:27328
MOROZOV, D. Kh. Effective protection of space ships, 25:9540

MOROZOV, D. V. Design of transplutonium laboratory, 24:31562
MOROZOV, E. I. Inactivating and mutagenic effects of slow protons on phage Tl, 24:50830
Non-lethal non-hereditary changes caused by ultraviolet irradiation, 22:17060
MOROZOV, E. N. Effective cross section of the second-order collisions of mercury and zinc atoms, 22:29220
MOROZOV, I. G. Measurement of reactor absorption cross section of isotopes ^{154}Gd and ^{156}Gd, 21:30019
Physical characteristics of Sever Mobile Nuclear Power Plant, 25:23384
Physical characteristics of the Sever mobile nuclear power plant, 24:47927
Physical characteristics of water-moderated water-cooled reactor, 22:20812 (FEI-88)
Physical characteristics of water-moderated water-cooled reactor with burnable poisons, 22:42355 (ANL-Trans-637)
MOROZOV, I. I. Demonstrations of the role of post radiation recovery in the radioresistance of bacteria of various strains, 24:51108
Differences in the sensitivity of different strains of E. coli to gamma- and alpha-irradiation, 24:12334
Influence of dose rate and conditions of α-irradiation on radiosensitivity of E. coli B/R, B, and B/sub s-I/, 25:27118
Stability of boiling apparatus, 23:38169
Survival of E. coli B irradiated with gamma rays and alpha particles, 23:35951
Survival of Escherichia coli B irradiated by γ rays and α particles, 25:32629
Survival of uv-irradiated Escherichia coli B, 25:32628
Variability in survival of E. coli B, irradiated by γ-rays and α-particles, 23:50943
MOROZOV, I. S. Reactions in system $TaCl_5$—UCl_4—KCl, 23:33173
Reactions of rare earth oxychlorides with their chlorides in melts, 24:2290
MOROZOV, L. N. Radiochemical investigation of ^{229}Th fission by slow neutrons, 23:8980
MOROZOV, M. G. Electrodynamic structure of a plasmatron jet, 21:37477
Experimental investigation of voltage fluctuations in plasmatron arcs, 22:9388
MOROZOV, N. A. System for charging the transporter of an electrostatic accelerator, 23:10904
MOROZOV, N. N. Longitudinal distribution of sunspot groups in the last 11 years of solar activity, 25:16709
MOROZOV, S. A. Anisotropic instability in hot electron plasma, contained in adiabatic trap, 23:10691
Anisotropic instability of plasma heated in adiabatic trap, 23:44447 (CONF-680113-(Vol.5), pp 85-106)
Comparison of the point and space kinetics models in a uranium—hydride reactor, 24:43844 (FEI-177)
Reactor level determination with statistical γ discrimination, 22:35684
Semi-statistical method of effective delayed neutrons fraction measurement, 21:19279
Wide-range reactor power measurement with fixed position detector, 23:34903
MOROZOV, S. F. Application of the method of characteristics to the solution of the transfer equation for a nonstationary radiation field, 25:2829
Non-stationary integro-differential transport equation, 24:28673 (ANL-Trans-806)
MOROZOV, V. A. Apparatus for measuring the lifetime of induced nuclear conditions in the nano- and subnanosecond range, 25:18691
Collective levels of type I^{+} K = $0^{+}0$ in ^{166}Er nucleus, 22:9861
Conclusions on structure of ^{155}Gd states drawn from results of the lifetime measurements, 25:38986 (JINR-P6-5526)
Destruction of metals by pulse plasma jet, 22:44124
Effect of electrospark alloying with refractory compounds of transition metals on notch toughness, 22:26030
Effect of Nd, Y, and Hf on the hardness and microstructure of Cr, 22:38549
Fast coincidence β spectrometer with triangular-shaped magnetic field, 22:2392 (JINR-P13-3437)
Gamma spectra of neutron-deficient Os and Re isotopes, 21:2754
Half-lives of 2^{+} and 4^{+} levels of main and rotational band in even-even nuclei of Os, Er, Dy, 24:52560 (JINR-P6-5201)
Investigation of ^{143}Pm levels by delayed coincidences and the angular γ—γ correlation method, 25:25713 (JINR-P6-5517)
Investigation of ^{155}Gd levels by method of delayed coincidences and angular γ—γ correlations, 25:25714 (JINR-P6-5518)
Life-time of level 242.8 keV in nucleus ^{165}Er, 23:5870
Lifetime of 242.8-keV level in ^{165}Er nuclei, 22:5816 (JINR-P6-3492)
Lifetime of excited states in spherical nuclei ^{139}La, ^{135}La, and ^{133}La, 25:10029 (JINR-P6-5200)
Lifetime of the 226.9-keV level in ^{155}Tb, 21:10061
Line shape of the spontaneous emission of an atom in the case of imperfect intermixing of degenerate levels, 22:2798
Measurement of half decay times of first excited 2^{+} states of ^{184} ^{186} ^{188}Os, 24:38284
Measurement of half-lives of excited states with energy of 155.8 and 227 keV in ^{155}Tb nucleus, 25:17863 (JINR-P6-5484)
Measurement of life times of ^{151}Gd excited states, 24:38234
Studies of the ^{138m}Pr decay scheme, 22:39666
System of collective levels of I π K = $0^{+}0$ type in ^{166}Er nucleus, 21:1073 (JINR-P-2820)
Theory of intensity beats of secondary radiation of an atom with a nondiagonal extinction matrix, 22:5049
Two-dimensional analyzer for half life measurements of nucleus of excited states, 25:18642 (JINR-P13-5485)
MOROZOV, V. E. Influence of interelectrode distance on stability of straight pinch, 22:46135 (IAE-1486)
Influence of interelectrode distance on the stability of straight pinch in a quadruple high-frequency field, 23:8595 (AEC-tr-7003)
Plasma interaction with a high-frequency magnetic field, 23:32459
MOROZOV, V. I. Radiometer-γ for continuous recording of low-level contamination of seawater, 22:2256
Radiometric and spectrometric analyses of bottom sediments on board the ship, 24:22801
MOROZOV, V. M. 4-MeV neutron scattering at angles near 180°, 25:41226 (IAE-1962)
Anomalous neutron scattering, 25:1773
Coulomb scattering of 4-MeV neutrons by Cu, Pb, and U, 21:46747
Elastic neutron scattering at small angles, 25:28500
Elastic scattering of neutrons with energy 4 MeV in small angles by nuclei of copper, indium, tin, lead, bismuth, and uranium, 24:3879 (IAE-1653)
Elastic scattering of polarized 4 MeV neutrons by medium and heavy nuclei, 21:23442 (ANL-Trans-462)
Elastic scattering of polarized neutrons with energy 4 MeV on nuclei ^{9}Be, ^{12}C, ^{59}Co, ^{60}Ni, ^{80}Se, ^{93}Nb, ^{114}Cd, ^{115}In, ^{116}Sn, ^{127}I, Pb, and ^{209}Bi, 22:14019
Magnetic separator for the ion source of an electrostatic accelerator, 23:10903
Polarization effects during Coulomb scattering of 4-MeV neutrons by nuclei of Cu, Pb, and U, 22:20549
Polarization in Coulomb scattering of 4-MeV neutrons by Cu, Pb, and U, 21:7776 (ANL-Trans-371)
Polarization of neutrons in the (d,d) reaction, 25:46068
Scattering of 4-MeV neutrons at angles close to 180°, 25:5762
Scattering of neutrons with an energy of 4 MeV at angles close to 180°, 25:12509 (ANL-Trans-855)
Small angle elastic scattering of 4 MeV neutrons by nuclei Cu, In, Sn, Pb, Bi, and U, 23:13232
Small angle elastic scattering of polarized 4-MeV neutrons by medium and heavy nuclei, 21:19264
Stabilization of amplification coefficient of scintillation neutron spectrometers, 23:38304
System for charging the transporter of an electrostatic accelerator, 23:10904
MOROZOV, V. N. Excitation of pulsations in the output of a molecular beam oscillator, 21:28996
Research in reactor physics by time-of-flight method, 21:34165
MOROZOV, V. S. Production of Cu/W composite by diffusion welding, 25:55405
MOROZOV, V. V. Electric properties of alloys of LaB_6 with transition metals. I, 25:59182
Physicochemical properties and structure of simple and complex hydrides of transition metals, 25:6908
Reaction of lanthanum and cerium hexaborides with refractory metals, 25:52417
Ternary systems Me—C—H and Me—N—H, 24:32514
MOROZOV, Yu. A. Energy spectra of inelastically scattered and Auger electrons from single crystals, 25:22349
Nature of the fine structure of the elastic electron-reflection curves in the moderate energy range, 24:6644
Secondary electron emission coefficient of Si in range from 100 to 2000 eV, 23:5460
Secondary electron emission of molybdenum crystals, 24:46993
Secondary-electron spectra and characteristic energy losses of silicon single crystals, 24:6344
MOROZOV, Yu. G. Expansion of anode region and volt—ampere characteristics of thermionic converter, 24:49053
MOROZOV, Yu. I. Relativistically covariant equations for the coupling of radiation with matter, 24:15031
MOROZOV, Yu. L. Kinetic study of radiation vapor-phase graft-copolmerization on mineral powders, 21:40915
MOROZOV, Yu. N. Magnetic properties of $EuLu_2O_4$ at low temperatures, 23:8678
Magnetic properties of EuO at low temperatures, 21:13263
Magnetic properties of new oxides of divalent europium containing trivalent ions of 3d and 4f transition metals, 21:46009
Magnetization of EuO and $Eu_{0.97}Gd_{0.03}O$ single crystals, 25:30670
MOROZOVA, E. A. Calculations of magnetic fields with rotational symmetry according to given magnetic force lines, 21:25106
MOROZOVA, E. M. Effect of space flight on microspores of Tradescantia paludosa, 22:43481
Effect of space flight on seeds of higher plants, 22:45488
Growth in Allium cepa after storage of bulb during space flight, 22:23676
MOROZOVA, G. G. Measurements of parameters of nonequilibrium cesium plasma, 24:3349
MOROZOVA, I. K. Corrosion and electrochemical behavior of carbon steels, 24:12371
Corrosion and electrochemical behavior of zirconium alloy, 25:42814
Corrosion resistance of reactor materials; a handbook, 22:33109
Irradiation effects on corrosion and electrochemical behavior of structural materials, 22:52224
MOROZOVA, I. M. Age of the elements and the r-process in the solar system, 23:41846
MOROZOVA, L. M. Radiosensitivity of chromosomes in fibroblasts of mammalian species, 23:2812
MOROZOVA, M. P. Enthalpy of formation of the N solid solution in *α-Zr* and of zirconium nitride in their homogeneity regions, 25:32725
MOROZOVA, N. A. Isobaric heat of boric acid, 23:47445
Thermal conductivity of aqueous solutions of boric acid, 24:34980
MOROZOVA, N. G. Natural radioelements in surface and soil—subsoil waters, 22:25509
Natural radioisotope distribution in soils of USSR, 25:2371
MOROZOVA, R. P. Detection and quantitative determination of submicroamounts of ruthenium in zones of paper chromatograms and electrophoregrams by a kinetic method, 25:37299
Determination of microamounts of Ru, 23:45200
MOROZOVA, S. O. 27-day recurrence of diurnal cosmic-ray variations, 24:39907
S/sub D/ variations of geomagnetic field at Yakutsk and solar activity, 22:24126
MOROZOVA, T. V. Infrared spectroscopic method of studying change in type of bonding in sulfate ion, 23:47468
MOROZUMI, H. M. Comparison of absorption measured by riometer and by ionosonde at high latitudes, 24:17857
Examples of positive correlation between vlf chorus and CNA, 21:25017
MOROZUMI, Henry M. Diurnal variation of vlf power spectral density between 100Hz and 20 kHz at Byrd Station, Antarctica, 22:47845
MOROZUMI, Hiroshi Magnetic amplifier for low-level input signals, 23:735
MOROZUMI, Minoru Detection of failed fuel at JRR-4, 25:12819 (JAERI-Memo-4196)
Fission rate in JRR-4, 24:4096
MOROZUMI, S. Effect of hydrogen on the tensile properties of zirconium, 23:34106
Effects of alloying elements and cold work on redistribution of H in Zr, 24:12408
Foil-wrapping technique to prevent the contamination of V, 25:16503
Portevin—Le Chatelier effect in V, 25:43486
MOROZUMI, Shotaro Precipitation in beryllium—iron alloys, 23:24898
Precipitation in quenched and aged Be, 24:32391
MOROZUMI, Takashi Determination of trace amounts of chloride in uranyl salts, 22:1974
Electrometric determination of stability constants of uranyl-chloride and uranyl-nitrate complexes with pCl-stat, 21:21927
Influence of irradiation on corrosion, 25:35513
Stability constants of chloro and nitrato complexes of thorium, 22:33310
Use of radioisotopes and radiation for the study of corrosion prevention, 25:22016
MOROZUMI, Taksashi Effects of halides on anodic polarization of zirconium in ammonium nitrate solution, 25:8832 (AEC-tr-7204)
MORPURGO, G. Magnetic levitation electrometer, 24:21042
Nature of spontaneous mutation and induced in Aspergillus nidulans, 21:12825
Nonrelativistic quark model, 21:29606
Preliminary results in the search for fractionally charged particles by the magnetic levitation electrometer, 21:4740
Present status of the search for quarks, 25:47705
Quark model, 23:10806
Quark-model calculation of Λ to Σ ratio in isospin-1 s-wave anti KN reaction, 21:27374
Search for fractionary charges, 23:23328
Short guide to the quark model, 25:19980
Some remarks on the electromagnetic form factors of the proton, 22:48261
Some results and problems of a nonrelativistic quark model of elementary particles, 21:18970
MORPURGO, Giorgio Effects of irradiated sucrose on the growth of vegetable tissues and other biological systems, 22:19293
Mitotic recombination and mutation, 23:26727
MORPURGO, L. Thiourea complexes of rhenium and technetium, 22:50954
MORPURGO, Laura Chemistry of $RuNO^{3+}$ complexes, 24:20868
MORPURGO, M. Construction of a superconducting test coil cooled by helium forced circulation, 22:29384 (CERN-68-17)
Design of superconduction magnet for Omega project, 25:2492
Superconducting solenoid cooled by forced circulation of supercritical helium, 23:51534 (CERN-69-25)
MORPURGO, R. Compiler for operator precedence languages, 22:10121 (CISE-106)
MORRA, L. Problems related to the leukocyte labeling ^{51}Cr, 24:14539
MORRA, Robert G. Conference on unmanned exploration of the solar system, Denver, 2/65, 22:2774
MORRAL, F. R. Cobalt superalloys. I, 23:24933
Cobalt-base alloys in aerospace, 24:14719
Cobalt-base superalloys, 1970, 25:37970
Cobalt-bonded refractory compounds, 22:36468
Corrosion of cobalt and cobalt alloys, 23:38931
Developing metal: cobalt, 25:42868
Metallurgy of Co alloys, 22:36483
MORRE, J. Alimentary hygiene and ionizing radiations, 21:45859
Contamination of milk by radioelements, 23:43754
Effects of gamma radiation on constituent elements of foodstuffs, 21:26709
Food hygiene and ionizing radiation, 22:15134
Food hygiene and ionizing radiations, 21:9046
MORRE, Jean Gamma irradiation of meats at very low temperature, 21:24705
Solutions of carbohydrates irradiated with gamma rays, 24:218
MORRELL, J. R. Weather and surface radiation prediction, Sterling Event, 23:461 (VUF-1037)
MORRELL, Joseph R. Weather predictions and surface radiation estimates for Milrow Event, 24:16700 (ARLV-351-3)
Weather predictions and surface radiation estimates for the Gasbuggy event. Final report, 25:37509 (PNE-1008)
MORRELL, R. P. SEFOR β/l measurements by noise analysis techniques, 21:1164 (IDO-17210)

- MORREY, J. R. Analogue-digital-magnetic tape conversion system, 21:28298 (BNWL-343)
  - Spectrum of gaseous UCl$_4$, 21:8273
- MORRICE, E. Comparison of sublimation and vaporization for purification of samarium metal, 25:203 (CONF-700403-(Vol.2), pp 532-44)
  - Direct electrolysis of rare-earth oxides to metals and alloys in fluoride melts, 22:23728 (CONF-670502-, pp 714-27)
  - Electrowinning high-purity neodymium, praseodymium, and didymium metals from their oxides, 21:26764 (BM-RI-6957)
  - Field freezing of a cerium—iron alloy, 23:30048 (BM-RI-7186)
  - Preparation of cobalt—rare-earth alloys, 23:10179
  - Preparation of rare earth and yttrium metals by electrodeposition, 23:8128 (CONF-681020-(Vol.2), pp 485-98)
  - Preparation of thorium metal by vacuum distillation of electrodeposited thorium—chromium and thorium—manganese alloys, 23:29976 (BM-RI-7265)
- MORRICE, Edward Preparation of rare-earth and yttrium metals by electrodeposition and vacuum distillation of alloys, 23:51005 (BM-RI-7308)
- MORRILL, D. H. Fabrication of an ellipsoidal mirror for use in a threshold gas Cherenkov counter, 21:32402
- MORRILL, Sonia Patients treated by x-ray for tinea capitis, 21:22554
- MORRIN, P. A. F. Effect of a uremic environment on phosphate excretion by a small population of intact and severely diseased nephrons, 25:10963
- MORRIS, A. Photoelectron spectra of ground-state atomic H, N, and O, 25:9200
- MORRIS, A. C. Jr. Area scanning of radioactivity in internal organs, 23:33723
  - Clinical results with a color-recording rescanner, 21:41442
  - Computer interfacing of densitometer film reader for measuring size of radioactive colloid particles, 24:25333
  - Improved probe for detecting radioactivity at surgery, 21:45370 (ORAU-101, pp 156-8)
  - Measurement of radioactivity in organs by area scanning, 23:35728 (ORAU-107, pp 151-5)
  - Miniaturized probe for detecting radioactivity at thyroid surgery, 25:55018
  - Quantitative measurements of radioactivity deposited in internal organs, 24:31705
  - Radioactivity in internal organs by area scanning, 24:12078
  - Transistorized electronic circuits for the miniaturized surgical probe, 23:35462 (ORAU-107, pp 148-51)
- MORRIS, A. E. Carburization of Type 316L stainless steel in static sodium, 24:46737
- MORRIS, A. G. Stable, low-background whole-body counter designed for uniform detector geometry, 22:51232
- MORRIS, A. W. Elastic scattering of alkali atoms from iodine atoms and molecules at thermal energies, 25:2922
- MORRIS, A. W. H. Fatigue behavior of W and steel-reinforced Ag composites, 21:26823
  - Fiber strengthened nickel-base alloy, 25:16437 (AGARD-CP-73-71, Paper 19)
- MORRIS, Ann Improvements in dosimeters, 24:39374
- MORRIS, Anthony J. Determination of gases in neutron-irradiated BeO, 23:15784
- MORRIS, B. M. Brueckner theory in an oscillator basis. I, 22:53244
  - Introduction to nonrelativistic quantum fields and diagram techniques, 23:5670
  - One-center calculation of the He—He repulsion, 21:632
  - Reaction matrix calculations for ^{4}He, ^{3}He, and ^{3}H using the Hamada—Johnston potential, 22:26816
- MORRIS, Bill To Kiket or to kick it, 23:43066
- MORRIS, Billy Mack Repulsion between two normal He atoms and quadrupole moment of ^{7}Li nucleus, 21:11461
- MORRIS, C. E. Design and fabrication of EVESR Mark V fuel bundles, 22:3930 (GEAP-5408)
- MORRIS, C. J. Cathodic etching to prepare metals for oxygen determination, 21:4439 (UCRL-70056)
  - Cathodic etching to prepare metals for oxygen determination, 24:17249
- MORRIS, C. L. ^{7}Li(p,n)^{7}Be neutron polarization measurements for E/sub p/ = 3.0 to 5.5 MeV, 25:43805
  - Measurements of neutron polarizations resulting from reactions in light nuclei, 25:53589
  - Polarization of neutrons from ^{16}O(d,n)^{17}F reaction, 25:48031
- MORRIS, Charles Wayne Anisotropy of diffuse solar radiation, 25:13903
- MORRIS, D. Circular polarization of Jupiter's decimetric emission and Jovian magnetic field strength, 25:7129
  - Design and construction of the axial injection system for the 88-inch cyclotron, 23:25736 (UCRL-18608)
  - Design and construction of the axial injection system for the 88-inch cyclotron, 23:28042
  - Evidence for an association between magnetic field and gas outflow from a spiral arm, 21:22961
  - Evidence in support of a rotational model for pulsar PSR 0833-45, 23:14482
  - External heavy ion source for Berkeley 88-inch cyclotron, 25:28120 (UCRL-20406)
  - Improved positions and periods for five southern pulsars, 24:25878
  - Jovian linear polarization at 6-cm wavelength, 23:22864
  - Linear polarization and pulse shape measurements on nine pulsars, 24:17520
  - Linear polarization of radiation from Jupiter at 6 cm wavelength, 22:41151
  - Linear polarization of radio sources at 6 cm, 22:47739
  - Linear polarization of radio sources between 11- and 20-cm wavelength. I, 23:16580
  - Linear polarization of radio sources between 11 and 20-cm wavelength. III, 24:39777
  - Linear polarization of radio sources at 6-cm wavelength, 24:39779
  - Measurements of the linear polarization of seven pulsars at 11-cm wavelength, 24:25877
  - Observed limits to the circular polarization of nine quasars at radio frequencies, 22:23953
  - Polarization of 150-MHz radiation from four pulsars, 25:13855
  - Polarization over extended sources, 22:47737
  - Polarized ion source for Berkeley 88-inch cyclotron, 23:37044 (UCRL-18607)
  - Polarized ion source for the Berkeley 88-inch cyclotron, 23:27963
- MORRIS, D. A. Hartlepool AGR: civil engineering aspects, 24:9056
- MORRIS, D. D. X radiation awareness in mice, 24:856
- MORRIS, D. F. C. Application of solvent extraction to the refining of precious metals. II, 22:18884
  - Chlorine isotopic exchange between Cl-substituted aromatic compounds and Li chloride, 23:31339
  - Chlorine isotopic exchange between Li ^{36}Cl and 2,4,6-trinitrochlorobenzene, 21:17644
  - Extraction of Sc(III) with tri-n-butyl phosphate from aqueous chloride solutions, 21:24099
  - Radiochemical methods for determination of trace elements in Ni alloys. II, 23:40590
  - Separation of carrier-free ^{105}Rh from neutron-irradiated Ru, 21:4612
- MORRIS, D. G. Reactivity in nucleophilic substitution. II, 21:10323
- MORRIS, D. I. Microwave instrumentation for accelerator rf systems, 23:28020
  - Prospects for computer control in nuclear power plants, 24:24692
- MORRIS, D. M. Crystal and molecular structure and vibrational spectrum of the vanadium(V) oxide trinitrate—acetonitrile complex, VO(NO$_3$)$_3$.CH$_3$CN, 25:26235
- MORRIS, Dale D. Ionizing radiation and behavior, 23:45890 (ANL-7535, pp 96-7)
  - Radiation-induced motivation in acatalasemic mice, 23:45785 (ANL-7535, pp 98-9)
- MORRIS, David Austin Improvements in or relating to prestressed concrete pressure vessels, 24:36022
- MORRIS, Dennis High power pulse sharpening, 24:14344 (CONF-680520-, pp 41-6)
- MORRIS, Donald A. Chemical and radioactive tracers at the National Reactor Testing Station, Idaho, 21:36136
- MORRIS, Donald W. Copper-tape-wound, edge-cooled solenoid, 21:29676 (UCRL-17262)
- MORRIS, E. C. Remote tritium air monitoring system, 22:36030 (DPSPU-67-30-1)
- MORRIS, E. E. Buildup factors in water for gamma rays, 24:26290
  - Extension of the polynomial approximation in moments method calculations to the deep penetration of gamma radiation, 22:31892
  - Filament-wound composites in perspective, 25:16582
  - Moments method solution of the adjoint gamma-ray transport equation, 24:32877
  - Penetration of gamma radiation through thin slabs oriented at right angles to each other, 25:47597 (AD-715422)
  - Single scattering of γ radiation from monoenergetic, plane isotropic sources, 23:32555
- MORRIS, Edgar E. Comparison of uncollided portion of gamma radiation penetrating ribbed and plane slabs, 24:28387 (AD-698580)
  - Monte Carlo calculation of gamma-ray penetration of ribbed slabs, 23:32547 (AD-685667)
  - Small-angle limit for twice-scattered gamma rays from a point-isotropic source, 21:20737
- MORRIS, F. Mechanical properties of reactor graphite, 22:11098
- MORRIS, F. S. Radioactive tracers test nuclear steam turbines easier, better, 25:13148
  - Tracer tests for nuclear power plant steam turbines, 25:18097
- MORRIS, F. W. Strength and fracture of graphite, 21:13293
- MORRIS, G. Feasibility of offshore dual-purpose nuclear desalination plants, 21:12228
- MORRIS, G. A. Average pulsar energies at centimetre wavelengths, 23:36336
  - Time-of-arrival observations of eleven pulsars, 24:12555
- MORRIS, G. C. Ionization potentials of naphthalene and naphthalene-d$_8$ molecules, 23:24176
- MORRIS, Glen J. Fast beam-switching electron gun for transient beam—plasma interaction study, 24:3330 (AD-690791)
  - Photomultiplier radiometer for detection of radio frequency, intensity modulated light from plasmas, 22:44140
  - Ultrahigh-frequency intensity-modulated light from a plasma, 21:23189
- MORRIS, Glenn J. Fast beam-switching electron gun for transient beam—plasma interaction study, 23:39459 (D-1-82-871)
- MORRIS, H. P. Effects of local x irradiation on incorporation of thymidine-methyl-5-^{3}H and cytidine-5-^{3}H into mitochondrial and nuclear DNA of Morris hepatoma 3924A, 24:11963
- MORRIS, Harold P. Effects of x-radiation on relative rates of incorporation of labelled thymidine and cytidine into mitochondrial and nuclear DNA of Morris hepatomas, 23:6400
- MORRIS, Hedley C. Soft-point PCAC scattering lengths and scale invariance, 25:53221
- MORRIS, I. G. New shutdown amplifier (s.d.a.) for nuclear reactors. I, 22:400
  - New shutdown amplifier for nuclear reactors. II, 21:41298
- MORRIS, J. Contribution of perfusion scintigraphic studies to the diagnosis and management of pulmonary embolism, 23:48119
  - Radiopharmaceuticals in nuclear medicine, 25:13519
  - Reinforcement of silicone rubbers crosslinked by radiation, 23:28927
- MORRIS, J. A. Purification and some properties of molybdoferredoxin, a component of nitrogenase from Clostridium pasteurianum, 25:41811
- MORRIS, J. B. Consolidation of pyrolytic-carbon coated carbide fuel particles in graphite matrix. II, 24:51193 (DP-Report-381)
  - Development of graphite (HX30) with improved gas diffusional characteristics, 22:45822
  - Development of HX30 graphite, 24:41006 (DP-Report-348)
  - Dispersion and breakage of coated particles consolidated in a graphite matrix by hot pressing, 21:20556
  - Experimental study of spouting beds of spheres, 25:13139 (AERE-R-4852)
- MORRIS, J. C. Bremsstrahlung and recombination radiation of atomic and ionic oxygen, 21:33433
  - Bremsstrahlung and recombination radiation of neutral and ionized nitrogen, 23:16803
  - Continuum radiation of oxygen and nitrogen for use in plasma temperature determination, 21:751
  - Continuum radiation of oxygen and nitrogen for use in plasma temperature determination, 21:5253
  - Experimental test of H/sub β/ stark-broadening theory at high electron densities, 22:50189
  - Experimental total and total line radiation of nitrogen, oxygen, and argon plasmas, 24:28266
  - High plasma temperatures using pulsed constricted arcs, 24:26215
  - Measurements of electrical and thermal conductivity of H, N, and Ar at high temperatures, 24:17898
  - Radiation studies of arc heated plasmas, 25:49889 (AD-708161)
- MORRIS, J. E. Inductance effects on capacitive loading of a tunnel diode, 23:11909
- MORRIS, J. G. Lung scanning using /sup 99m/Tc-labeled macroaggregated ferrous hydroxide, 24:12194
- MORRIS, J. M. 6$^+$ level in ^{16}O, 24:38096 (ANU-P-491)
  - 6$^+$ level in ^{16}O, 24:38125
  - Energy levels of ^{16}O in region of excitation between 13.5 and 15.0 MeV, 25:56681
  - Energy levels of ^{16}O in the vicinity of 13 MeV. III, 22:9780 (NP-17203)
  - Energy levels of ^{16}O in vicinity of 13 MeV, 22:26845
  - Energy levels of ^{17}O from ^{13}C(α,α_0)^{13}C and ^{13}C(α,n)^{16}O, 22:9778 (ANU-P-388)
  - Energy levels of ^{17}O from ^{13}C(α,α_0)^{13}C and ^{13}C(α,n)^{16}O, 22:20456
  - Method of measuring (p,n) thresholds for calibration of beam analyzing systems, 23:19026 (ANU-P-414)
- MORRIS, J. P. Automatic apparatus for α—γ angular correlation measurements, 21:16192
- MORRIS, James F. Computer programs for collisionless sheaths between field-modified emitter and ionized plasma, 22:37908 (N-68-21499)
  - Freeze, melt valve and dispensing system for Cs, 25:26413 (N-71-10455)
  - Interactions of polycrystalline tungsten electrodes with cesium plasmas, 23:1233 (N-68-30593)
  - Plane collisionless sheaths between field-modified emitting electrodes and thermally ionized plasmas exemplified by cesium, 22:22170
  - Reflections of electron beams in thermionic diodes, 23:6904
  - Vacuum-packaged cesium for nuclear thermionic diodes, 25:48730 (N-71-15815)
- MORRIS, James Peter Improvements relating to steam generators, 24:25167
- MORRIS, Jerry O. Comparison of leak test procedures for sealed radium sources, 22:51182
- MORRIS, John Investigation of bone and joint disease using ^{18}F, 23:38699
  - Lung scanning in the diagnosis and management of pulmonary embolism, 23:45810
- MORRIS, John McL. Adenocarcinoma of the endometrium, 22:45670
- MORRIS, John McLean Injuries related to radiation treatment of carcinoma of the cervix, 21:12993
- MORRIS, K. 2 e/h by ac Josephson effect, 23:32281
  - Effect of the dimensions of an omegatron on its performance, 22:28258
  - Measurement of μ/sub p//μ/sub N/ with a quadrupole omegatron, 23:21041
  - New determination of the magnetic moment of the proton in terms of the nuclear magneton, 21:15481
- MORRIS, Kelso B. Synthesis and properties of certain uranyl aminopolycarboxylates, 24:5650
- MORRIS, L. C. Superconductive microwave meander lines, 22:29456
- MORRIS, L. L. Physiological studies of gamma-irradiated tomato fruits. II, 25:21999
- MORRIS, Leonard L. Physiological studies of gamma irradiated tomato fruits. I, 24:17187
  - Physiological studies of gamma-irradiated tomato fruits. III, 25:22000
- MORRIS, M. E. Improved model of the vacuum probe, 23:28662 (SC-RR-68-592)
- MORRIS, M. L. Muon-pair production by cosmic-ray muons, 22:17850
  - University of Utah neutrino detector. II, 21:19943
- MORRIS, Marvin Leon Muon pair production by muons, 21:35257
- MORRIS, Nelle J. Separation and characterization of the vinyl side chains from grafted polyacrylonitride—cotton copolymers, 22:25387
  - Vinyl cellulose copolymers. I, 22:37797
- MORRIS, P. A. Site evaluation and diffusion calculation procedures in the USA, 22:18428
- MORRIS, Peter A. Operator licensing and nuclear plant simulators, 24:18523
  - Regulatory perspectives and emphasis and safety experience for nuclear power reactors, 25:39179 (A/CONF.49/P-38)
  - Simulators and operator licensing, 24:49982
  - Technical safety issues for large nuclear power plants, 25:39271 (A/CONF.49/P-40)

MORRIS, Philip L. Laser microprobe for rapid and economic U isotopic analysis, 22:47070 (BMI-X-525)
MORRIS, R. Computer program for determination of reactor thermohydraulic studies for MCR parametric studies, 22:32920 (GMAD-3078-23)
MORRIS, R. A. Application of high-resolution neutron radiography to industrial inspection problems, 22:4373
  Improved resolution neutron radiography, 21:19986 (LA-DC-7762)
  Improved resolution neutron radiography, 23:33351
  Microradiography of pyrocarbon-coated ^{238}PuO$_2$ microspheres to determine coat thickness, 22:10434 (LA-3814)
  Performance of small assemblies of fast reactor fuel elements, 24:33318
MORRIS, R. H. Preliminary lithologic log of drill hole UAe-1 from 5,000 to 7,000 ft., Amchitka Island, Alaska, 24:7507 (USGS-474-47)
  Proposal for repetitively pulsed test facility, 22:16284 (IN-1149)
  Several deterioration mechanisms of the materials testing reactor beryllium, 23:35991 (IN-1289)
MORRIS, R. J. H. Distribution volumes of labeled red blood cells and labeled protein and F cells in intact and splenectomized HbA and HbB type sheep, 25:32320
MORRIS, R. N. Analysis of radioactive metals by spark source mass spectrometry, 23:24067
  Plasma velocity measurements by Abel unfolding of Doppler shifts, 24:5157
MORRIS, R. U. High plasma temperatures using pulsed constricted arcs, 24:26215
  Radiation studies of arc heated plasmas, 25:49889 (AD-708161)
MORRIS, R. V. Dynamic mechanical properties of BLU-31/B mine structure, 23:45170 (UCRL-50584)
MORRIS, Richard Ward Phase shifts for scattering of low-energy electrons from helium, 24:6373
MORRIS, Robert D. Radiation damage in thick copper and gold specimens produced by low-energy protons, 22:39160 (N-68-21219)
MORRIS, Robert G. Thermal conductivity of EuO, 22:52263
MORRIS, Robert H. Preliminary lithologic log of drill hole UAe-6c from 0 to 6,999 feet, Amchitka Island, Alaska, 24:2299 (USGS-474-54)
  Relict marine terraces of western Aleutian Islands, Alaska, 24:26903 (USGS-474-62)
MORRIS, Russell A. Clinical correlations of ^{203}Hg-chlormerodrin and urinary concentration in hypertension and renal disease, 22:15034
MORRIS, S. C. Photoelectric scanner observations of CH Cygni for Aug. 3, 1967, 23:22737
  Standard stars for five-color photometric system of Dominion Astrophysical Observatory, 25:32881
MORRIS, Synnoeve Voss Intensities of absorption lines in Mira variables, 25:19318
MORRIS, Synnove Molecular dissociative equilibria in carbon stars, 22:11157
MORRIS, T. Dose—response curve for x-ray-induced translocations in mouse spermatogonia. II, 24:50850
  Gene and chromosome mutation after radiation doses to mouse spermatogonia, 23:31716
  Induction of translocations in mouse spermatogonia by x-ray doses, 24:21117
MORRIS, T. W. Differential cross section of $p + p \rightarrow p + M$ ($M < 2.1$ GeV) at 29 GeV/c, 24:47377
  Final states with three, four, and five particles in pp interactions at 28.5 GeV/c, 23:32612 (BNL-13671)
  Interactions 28.6 GeV/c p—p with 6 charged particles in final states, 22:15670 (BNL-11993)
  Low-multiplicity final states in pp interactions at 28.5 GeV/c, 22:41728 (BNL-12673)
  Peripheral processes in proton—proton interactions at 29 GeV/c, 23:46603 (BNL-13918)
  Reactions of the type $pp \rightarrow \Delta^{++} + M$ at 28.5 GeV/c, 24:35608
  Role of human guidance in fast measurement system, 23:11845 (BNL-13060)
  Single—isobar production in proton—proton interactions at 28.5 GeV/c, 22:46329
  Single-particle distributions of π mesons produced in π^+p, K^+p, pp, and π^-p collisions at high energies, 25:38670
  Single-particle distributions of π-mesons produced in π^+p, K^+p, pp, and π^-p collisions at high energies, 25:43554 (UR-875-340)
  Study of pp interactions at 28.5 GeV/c in two- and four-prong final states, 22:7434 (BNL-11980)
MORRIS, W. Spectrographic determination of impurities in boron, 21:10256 (UCID-15062)
MORRIS, W. A. Observation of 7π enhancement at 3.01 GeV, 25:17397
MORRIS, W. F. Determination of impurities in molybdenum by emission spectroscopy, 21:5764 (UCID-15039)
  Spectrographic determination of impurities in molybdenum: influence of a diatomic gaseous reaction product on the arc excitation in argon, 25:39415
  Thermochemical separation and spectrographic determination of impurities in rhenium, 21:30354 (UCID-15153)
MORRIS, W. R. Experimental analysis of 90° uniform field beam bending magnets for use with electrostatic generators, 21:27468 (RHEL/R-119)
  Experimental analysis of 90° uniform field beam bending magnets, 22:11802
MORRIS, W. T. Functional testing of engineered safety systems, 24:33383
MORRIS, William F. Airborne spectrographic observations of solar eclipse of November 12, 1966, 22:843
MORRIS, William L. Algorithm for initial value problems, 22:44956 (ORNL-4282)
  Tables of arithmetical functions related to Fibonacci numbers, 22:37631 (ORNL-4261)
MORRIS, William Lewis Minimal Weinstein discs in a subspace, 22:6214 (ORNL-4151)
MORRISH, A. H. Relation between hyperfine magnetic fields and sublattice magnetizations in Fe$_3$O$_4$, 22:17742
MORRISON, B. C. Color changes in radiation pasteurized beef, 25:49337
  Rheology of fresh, aged, and gamma-irradiated egg white, 25:26923
MORRISON, B. H. Parametric study of flash thermal diffusivity measurements, 21:5841 (LA-DC-8300)
  Thermal diffusivity and conductivity of zirconium carbide and niobium carbide from 100 to 2500°K, 25:45127
  Thermal diffusivity of ATJ-S graphite from 100° to 3000°K, 24:19491 (CONF-691002-, pp 366-92)
  Thermal diffusivity of pyrolytic from 25 to 1900 deg C, 21:6898 (LA-DC-8307)
  Thermal diffusivity of SX-5 graphite, 23:3141 (LA-DC-9969)
MORRISON, C. A. Linear vector space theory of unfolding, 24:21006
MORRISON, Charles F. Reference-transfer method of vacuum-gage calibration, 21:45328
MORRISON, Clyde A. Analysis of unfolding gamma-ray spectra measured by Compton-diode detectors, 24:16872 (AD-695646)
MORRISON, D. D. Controlled pinning in superconducting foils by surface microgrooves, 24:40018
  Dislocations in fluxon lattice: some atomic calculations, 23:42151
  Point defects in fluxon lattice, 24:6498
  Quantitative control of surface pinning in a low-kappa Type II alloy, 25:30415
MORRISON, D. J. T. Some calculations on p—H charge transfer, 21:43806
MORRISON, D. L. Analytical description of fission-product transport and deposition in containment vessels, 22:5960
  Coatings for retaining fission product iodine, 23:29142
  Coatings for retaining fission-product I, 23:34888
  Fission-gas diffusion and solubility in uranium monocarbide, 23:36231
  Iodine deposition and its enhancement under reactor accident conditions, 22:22749
  Oxygen dissolution into Zircaloy cladding during loss-of-coolant accident, 23:37585
MORRISON, D. R. Arithmetic in Galois fields of characteristic 2, 22:10148 (SC-RR-67-789)
  Prog. rpt. on computer implementation of Morse language, 7/67, 21:35814 (SC-RR-67-510)
MORRISON, D. R. O. Compilation of cross sections V—K$^-$ induced reactions, 25:19909 (CERN-HERA-70-6)
  Compilation of cross sections. I, 25:17369 (CERN-HERA-70-2)
  Compilation of cross sections. II, 25:38647 (CERN-HERA-70-3)
  Compilation of cross sections. III, 25:38658 (CERN-HERA-70-4)
  Compilation of cross sections. IV, 25:38659 (CERN-HERA-70-5)
  Compilation of cross sections. VI, 25:30735 (CERN-HERA-70-7)
  Many-body cross sections, 25:14594
  Possible existence of A (πrho) resonance near 1300 MeV with a spin-parity assignment of 2^- or 1^+, 21:42375
  Review of strong interactions of kaons, 25:7550 (CONF-690608-, pp 237-68)
MORRISON, David Interpretation of Mercury observations at wavelengths of 3.4 and 19 mm, 22:29002
  Microwave spectrum of Mercury, 24:23729
MORRISON, David L. Distribution of fission products during nuclear reactor accidents, 21:31908 (CONF-660904-Vol.1 and 2, pp 4-27)
  Evaluation of the applicability of existing data to the analytical description of a nuclear-reactor accident, 21:5601 (BMI-1779)
  Evaluation of the applicability of existing data to the analytical description of a nuclear-reactor accident: core meltdown evaluation. Topical report, Task 18, 25:48281 (BMI-1910)
  Fission-product deposition and its enhancement under reactor accident conditions, 23:33061 (BMI-1863)
  Fission-product deposition and its enhancement under reactor accident conditions, 23:52377 (BMI-1865)
  Fission-product deposition and its enhancement under reactor accident conditions, 24:18685 (BMI-1874)
  Fission-product deposition studies. I, 22:5961
  Fission-product deposition studies. II, 22:5962
  Fission-product release and transport during a loss-of-coolant accident, 21:7963
  FRCRL2: computer code for calculating fission-product release in reactor accident analyses, 25:48282 (BMI-1913)
  Investigation of techniques for sampling and analysis of iodine under simulated reactor accident conditions, 21:46838 (BMI-1814)
  Prog. rpt. on analytical description of nuclear-reactor accident, 7—9/66, 21:7859 (BMI-1777)
  Prog. rpt. on analytical description of nuclear-reactor accident, 10—12/66, 21:15641 (BMI-1790)
  Prog. rpt. on analytical description of a nuclear-reactor accident, 1—3/67, 21:27665 (BMI-1797)
  Prog. rpt. on analytical description of nuclear-reactor accident, 7—9/68, 23:4270 (BMI-1850)
  Prog. rpt. on analytical description of nuclear-reactor accident, 10—12/68, 23:17205 (BMI-1856)
  Prog. rpt. on analytical description of nuclear-reactor accident, 1—3/69, 23:28503 (BMI-1861)
  Prog. rpt. on analytical description of nuclear-reactor accident, 4—6/69, 23:45095 (BMI-1867)
  Prog. rpt. on applicability of data to the description of a reactor accident, 7—9/67, 22:1753 (BMI-1815)
  Prog. rpt. on applicability of existing data to analytical description of nuclear-reactor accident, 10—12/67, 22:16108 (BMI-1825)
  Prog. rpt. on applicability of existing data to analytical description of nuclear-reactor accident, 4—6/68, 22:42160 (BMI-1844)
  Prog. rpt. on evaluation of applicability of existing data to analytical description of reactor accident, 1—3/68, 22:27399 (BMI-1835)
  Prog. rpt. on evaluation of data to analytical description of nuclear-reactor accident, 4—6/67, 21:38438 (BMI-1810)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 7—9/66, 21:15642 (BMI-X-10179)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 1—3/67, 21:38439 (BMI-X-10193)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 4—6/67, 21:40540 (BMI-X-10202)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 10—12/66, 21:44819 (BMI-X-10186)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 7—9/67, 22:14132 (BMI-X-10213)
  Prog. rpt. on fission-product deposition, 10—12/67, 22:22657 (BMI-X-10222)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 1—3/68, 22:30121 (BMI-X-10229)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 4—6/68, 22:42161 (BMI-X-10237)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 1—3/69, 23:31180 (BMI-X-10257)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 7—9/68, 23:33062 (BMI-X-10244)
  Prog. rpt. on fission-product deposition and its enhancement under reactor accident conditions, 9—12/68, 23:33063 (BMI-X-10252)
  Research on the safety of nuclear power reactors, 21:42759
MORRISON, Donald R. Matching algorithms, 21:47039 (SC-RR-67-742)
  PATRICIA: Practical Algorithm To Retrieve Information Coded In Alphanumeric, 22:3985 (SC-RR-67-734)
MORRISON, Douglas R. O. Pomeranchukon exchange in inelastic two-body reactions, 22:15805
MORRISON, G. C. ^{6}Li + ^{6}Li scattering at E = 5 to 7 MeV, 25:43816
  ^{87}Y states populated by single-proton stripping, 25:34036
  Comparison of spectroscopic factors from (p,p$_0$) and (d,p) reactions on barium isotopes, 25:28372
  Elastic scattering of ^{6}Li on ^{6}Li, 24:49725
  Evidence for a dependence of single-proton transfer reactions on isobaric spin, 21:25436
  Evidence for J/sup π/ = 8^+ state in ^{16}O, 25:5592
  Excitation of isobaric analogue states by the (d,n) reaction, 21:25471
  Excitation of isobaric analogue states in reaction ^{27}Al(d,n)^{28}Si, 22:5795
  Gamma decay of T = $^3/_2$ states in ^{25}Al and ^{29}P, 22:53149
  Gamma decay of two lowest T = 3/2 states in ^{25}Al, 22:26991
  Interactions g/sub $^9/_2$/—d/sub $^5/_2$/ in ^{90}Nb and ^{92}Nb, 25:1740
  Investigation of neutron pickup from ^{11}B, 22:20468
  Isobaric analogue states in ^{90}Zr, 21:25530
  Isobaric analogue states of ^{119}Sn and ^{121}Sn, 21:25527
  Isobaric analogues of states in ^{90}Zr, 21:7795
  Isobaric spin purity of analogue states in ^{63}Cu, 21:25472
  Isobaric-analogue states by proton scattering on Ba isotopes, 21:25522
  Li-induced reactions on ^{12}C, 24:49749
  Lifetime of 1.042-MeV state in ^{18}F, 21:35423
  Lifetime of 981-keV state in ^{6}Li, 25:28203
  Lifetimes of levels in ^{21}Ne, 21:1051
  Low-lying T = 3/2 states in ^{21}Na, 24:24533
  Midwest tandem cyclotron proposal, 24:49655
  Proton scattering on the barium isotopes, 24:52625
  Proton-induced analog resonances, 25:28469
  Reaction (d,p) in the 1p shell, 22:26888
  Reaction ^{25}Mg(^{3}He,d)^{26}Al at 12 MeV, 22:15990
  Reaction ^{40}Ca(^{16}O,^{12}C)^{44}Ti and states in ^{44}Ti, 24:49798
  Ruthenium-103, 105 states observed in the reactions ^{102} ^{104}Ru(d,p), 25:34151
  States with T = 1 in ^{20}Ne, ^{24}Mg, and ^{28}Si, 22:15982
  Structure of particle-hole states in ^{138}Ba, 21:40439
  Study of (d,p) reaction in 1p shell, 22:9782
  Study of the (d,p) reaction on the even-A barium isotopes 130 to 138, 24:40646
MORRISON, G. C.. Single-particle analog state anomalies in the scattering of protons from ^{197}Au, ^{194}Pt, and ^{184}W, 25:28371
MORRISON, G. H. Coincidence—anticoincidence system for activation analysis, 24:70
  Group separation method for neutron activation analysis of geological materials, 24:29
  Isotopic ion exchange separation of radioisotopes, 23:13674
  Multielement analysis of lunar samples, 24:31287
  Multielement neutron activation analysis of rock, 23:47413
  Multielement neutron activation analysis of geological and lunar material using chemical group separations and high resolution gamma spectrometry, 25:54461
  Oxyhydrogen flame excitation of refractory elements, 21:2945
  Rapid matrix removal in activation analysis by isotopic ion exchange, 21:36092
  Trace analysis of biological materials, 23:4549

MORRISON, G. W. ACTIVT: 05R Monte Carlo analysis routine for calculation of activation, 21:7636 (ORNL-TM-1674)
Adjoint Monte Carlo calculations for enriched-U-metal assemblies, 21:8106
Correcting experimental fast-neutron polarization data, 24:30674
PICTURE: aid in debugging GEOM input data, 24:29131 (ORNL-TM-2892)
PMS1: FORTRAN Monte Carlo code for correcting experimental fast-neutron polarization data, 24:8797 (CTC-9)
Prompt neutron decay constants calculated in highly enriched uranium metal assemblies, 21:31939 (K-DP-2251)
Prompt-neutron decay constants calculated in highly enriched uranium metal assemblies, 21:38188
MORRISON, George C. Analog-state experiments, 24:28749
MORRISON, George H. Evaluation of lunar elemental analyses, 25:41714
Multielement analysis of lunar soil and rocks, 24:20733
MORRISON, H. Gail Photoreversal of ultraviolet-induced division delay in Saccharomyces cerevisiae, 25:27080
MORRISON, Harry L. Derivation of the Landau quantum hydrodynamics for interacting Bose systems, 24:12760
Galilean relativity, locality, and quantum hydrodynamics, 24:26138
Quantization of circulation in superfluid helium, 24:45212
Statistical mechanics of persistent currents in quantum fluids, 25:14143
MORRISON, Ian Hugh Improvements in or relating to fuel elements for nuclear reactors, 21:30312
MORRISON, J. Absorption spectrum of Tm^{3+}:LaF$_3$, 24:35560
Application of triple grid LEED system to Auger spectrum analyses, 23:29208
Cesium plasma spectra in system W(100)—Cs, 23:24876
Chemisorption of I on W(100), 25:11405
Comparison between ultrasonic and radioisotope scanning, 23:50683
Electronic and lattice structure of cesium films adsorbed on tungsten, 23:27699
Evaluation of effective operators for configuration interaction, 25:58798
Ordered physiosorption of xenon on graphite, 21:18344
Placental localization by isotope and ultrasound scanning, 23:50691
MORRISON, J. A. Analyses of low-temperature heat capacities of the rare-earth metals, 22:23757 (CONF-670502-, pp 568-80)
Interpretation of ion-mobility experiments in reacting systems, 22:5078
MORRISON, J. C. Group theory and mixed atomic configurations, 23:48755
Many-body calculations for the heavy atoms, 25:43116
Quadrupole giant resonance in ^{16}O, 23:46915
MORRISON, J. D. Interaction phenomena in ionization processes, 25:998
MORRISON, J. H. Radioisotope power sources for terrestrial applications, 24:22900
Survival of lethally x-irradiated rats after treatment with isogenic marrow lymphocytes, 22:8567
MORRISON, J. M. Interferon production in chick embryo cells. II, 21:4775
MORRISON, James D. Mediation of a primary kinetic isotope effect by asymmetric induction, 23:37948
MORRISON, Jasper J. Triaxial bidirectional integrating 4-level acceleration amplitude recorder, 25:28900 (UCRL-72748)
MORRISON, L. K. Conservation sum rules, 24:1551
Stress-tensor commutators in nonlinear electrodynamics, 24:20210
MORRISON, L. Kent Current—stress tensor commutators, 25:33590
Morse potential mediation of offshell $^1S_0$ proton—proton scattering, 22:30079
Offshell $^1S_0$ proton—proton scattering mediated by a soft core potential, 21:31700 (LA-3706)
Offshell $^1S_0$ proton—proton scattering mediated by soft-core potential, 22:27287
MORRISON, Luther Kent Radiative corrections to pion—nucleon coupling constants, 22:52987
Radiative corrections to pion—nucleon coupling constants, 23:7151
MORRISON, Nancy D. Photometry of three peculiar A-Type stars, 25:58454
Wavelength dependence of polarization. XXII, 25:49603
MORRISON, P. Are quasi-stellar radio sources giant pulsars, 23:41833
Cosmology, black-body radiation, and diffuse x-ray background, 22:808
Diffuse radiation in the high-energy region, 24:1306
Leakage electrons from normal galaxies, 23:51343
Light of the supernova outburst, 24:4868
Model for the radiations from the compact strong sources, 25:854 (N-70-35168)
Model for the radiations from the compact strong sources, 25:6997
Rapidly changing radio images, 25:52554
Size of distant sources, 22:36681
The nebula: x-ray data, 24:35051
Thermal x rays from nonthermal radio sources, 22:4943
MORRISON, Philip Fossil Stroemgren spheres from supernova explosions, 25:49629
Omnidirectional inverse Compton and synchrotron radiation from cosmic distributions of fast electrons and thermal photons, 21:7037
Thermal x rays and radio sources: explosion aftermath, 22:5028
MORRISON, R. Electron triplets and pairs observed in a streamer chamber, 21:42244
Multiple basal-cell epitheliomata following radiotherapy of the spine, 22:40767
Neutrons against cancer, 21:39462
MORRISON, R. A. Interpretation of velocity filtergrams. III, 25:7071
Study of nuclei with masses near 32 with the (^{3}He,d) reaction, 24:13327
Thin formvar coated counter windows, 21:32401
MORRISON, R. C. Gadolinium loaded mineral oil scintillator for neutron detection, 24:39234
Isospin splitting of the giant dipole resonance in ^{64}Zn, 25:3623
Oxygen-16(γ,p)^{15}N angular distributions, 24:13300
Projected Hartree product wavefunctions. III, 23:20683
MORRISON, R. D. Gaseous "sublimation" products of silicon monoxide, 22:50897 (UCRL-50469)
MORRISON, R. G. Development and application of fission-couples, 24:11254 (CONF-690102-, pp 519-30)
Prog. rpt. on instrument development, annual, 1968, 23:41131 (IDO-17299)
Prog. rpt. on instruments, annual, 1967, 22:51276 (IDO-17269)
MORRISON, R. J. Charge form factor of proton at momentum transfer of 75 F^{-2}, 21:31515 (DESY-67/18)
Charge form factor of the proton at a momentum transfer of 75 fm^{-2}, 21:42240
Improved liquid hydrogen differential Cherenkov counter, 23:21967
Magnetic spectrometer for high energy electron scattering experiments, 21:36456
Magnetic spectrometer for high-energy electron scattering experiments, 21:28205 (DESY-67/10)
Photonucleon total cross sections at very high energy, 24:45410
Refractive index of liquid deuterium, 23:47840
Scattering of positrons and electrons from protons, 21:37656 (DESY-67/22)
Scattering of positrons and electrons from protons, 21:42241
Total hadronic (γ,p) and (γ,d) cross sections from 4 to 18 GeV, 24:45409
Total photoabsorption cross sections up to 18 GeV, 24:3503
Total photoabsorption cross sections on H and complex nuclei at energies up to 18 GeV, 24:52021
MORRISON, R. T. Strontium-85 scan for the detection and localization of bone metastases from prostatic carcinoma, 21:36633
MORRISON, R. W. Pi-pair production with polarized X-rays, 22:39321
MORRISON, Richard Charles Photoproton cross sections of ^{16}O and ^{12}C, 21:2645
MORRISON, Robert Treatment of recurrent carcinoma of the bladder, 21:22499
MORRISON, Robert R. Chlormerodrin-^{203}Hg scintiencephaloscanning for intracranial lesions, 21:12916
MORRISON, Roderick Gordon Gamma compensated fission thermocouple, 25:26466
MORRISON, Rollin J. Charged-pion lifetime and a limit on a fundamental length, 24:3547
Comparison of π^+ and π^- lifetimes to check CPT invariance, 22:44466 (UCSB-34-P-135-6)
Liquid hydrogen and deuterium differential Cherenkov counters, 22:47374 (UCSB-34-P-135-7)
Precise comparison of π^+ and π^- lifetimes, 22:39247
MORRISON, S. M. Ultraviolet bactericidal irradiation of ice, 22:28717
MORRISON, S. R. Response by growing-finishing pigs to germicidal uv radiation, 22:8603
MORRISON, Samuel S. Scintillation brain scanning in children, 21:22440
MORRISON, W. B. Ductility of ultrafine-grain alloys, 25:16487
MORRISON, W. G. Criticality aspects of revised Zr dissolution system at ICPP, 22:21155 (IN-1173)
Criticality safety evaluations of shipping containers used by Idaho Nuclear Corporation at NRTS, 25:48858 (CONF-710801-(Vol.2), pp 803-21)
Soluble neutron poisons in aqueous fuel reprocessing, 24:9453
MORRISON, W. M. AEC quality assurance criteria for licensed nuclear power plants, 23:37438
MORRISON, Warren E. Patterns of U. S. energy consumption to 1980, 21:45289
MORRISON, William Apparatus for direct generation of electricity, 22:43957
MORRISS, R. H. Microstructural effects in critical fields of niobium films, 25:11832
MORRISS, R. W. Ionospheric drift measurements at Ibadan during the I.Q.S.Y, 21:33274
MORRISSEY, A. C. Vibrational spectra and structure of four-membered ring molecules. XIV, 23:31356
MORRISSEY, J. E. Nuclear-thermal rockets, 23:31214
MORRISSEY, J. Edward Effect of parabiosis, hormone treatment, and irradiation on chicken, 23:41439
MORRISSEY, John E. Nuclear rockets based on graphite reactor technology, 22:16257
MORRISSEY, Robert W. Radiation reaction in ataxia telangiectasia, 23:20277
MORRISSON, W. E. Energy forecasts need new approaches, 25:2393
MORRITZ, F. L. Growth of molybdenum films on substrates, 22:23738
MORRONE, T. Profiles of uniformly accelerated ion beams, 25:9925
MORRONE, Terry Power series expansion of the electron velocity distribution function, 21:40024
Spherical-harmonic and power-series expansion of Boltzmann equation, 22:31844
Time harmonic, spherical harmonic, and power series expansion of Boltzmann equation, 23:12821
MORROW, A. G. Experimental evaluation of a radioisotope-powered cardiac pacemaker, 25:57669
MORROW, Andrew G. Animal-implanted nuclear powered pace-makers, 25:4238
MORROW, B. A. Absorption spectrum of SH and SD in the vacuum uv, 21:1365
MORROW, B. H. Determination of microquantities of Mo, Fe, and Cu in milk xanthine oxidase fractions, 23:7471
MORROW, D. P. Polarization of Jupiter radiation at 18 Mc, 22:29009
MORROW, I. B. Jr. Energetics 6: magnetohydrodynamic power, 21:2083
MORROW, L. W. Proton polarization in p—^{3}He elastic scattering between 4 and 11 MeV, 23:19151
Scattering of polarized protons by ^{3}He, 23:25791
MORROW, Leroy Waggoner Scattering of polarized protons from ^{3}He, 22:41945
MORROW, Margaret Kelly Synthesis and characterization of tetramethylhafnium, 24:24989 (Y-1722)
MORROW, P. E. Dose-related local and systemic effects of inhaled ^{238}Pu and ^{239}Pu dioxide in dogs, 25:26929
Mechanisms of pulmonary clearance of inhaled PuO$_2$, 23:12035
Models for the study of particle retention and elimination in the lung, 24:27509 (CONF-691001-, pp 103-19)
Retention and fate of inhaled plutonium dioxide in dogs, 21:14632
MORROW, Paul E. Dynamics of dust removal from lower airways, 23:9986 (UR-49-987)
Precis of the proposed lung model, 21:32638 (CONF-661018, pp 61-73)
MORROW, R. Compressional Alfven waves in nonuniform plasma, 25:19745
Plasma produced by a normal ionizing shock wave, 23:16782
Proton—hydrogen atom momentum transfer cross section at approximately 5 eV, 25:55840
MORROW, R. A. Finiteness of wave functions, 22:35159
Toller ω dependence of two-Reggeon—one-particle vertex functions, 23:27888
MORROW, R. J. Gamma-ray energies and absolute branching intensities for ^{238} ^{239} ^{240} ^{241}Pu and ^{241}Am, 25:56753 (UCRL-51087)
Insolubility of americium in liquid ammonia, 22:18772
Ion exchange and solvent extraction, 24:26917
Levels of ^{246}Cm from the β^--decay sequence ^{246}Pu(11 days) /sup 246m/Am(25 min)^{246}Cm, 25:31378
Thermal decomposition of thorium dicarbide, 21:25825 (UCRL-70245)
MORROW, Richard A. Kinematic interpretation of exotic forward Δ^- production in pn $\rightarrow$ $\Delta^-p\pi^+$ and pn $\rightarrow$ $\Delta^-\Delta^{++}$ at high energy, 24:51949
Method for testing Toller ω dependence in multi-Regge model, 24:37959
Phase space integral and physical regions for n particles in invariant variables, 24:24264
Physical regions of six-particle processes, 24:10863
Test of Veneziano model using rho-meson spin-density matrix elements, 24:37784
Toller ω dependence of two-Reggeon—one-particle vertex functions, 23:15251
Use of spin-density matrix elements to test Feynman-diagram models of Reggeization, 24:8654
MORROW, Richard J. Recovery of einsteinium from isotope separator parts, 22:25466 (UCRL-50404)
MORROW, Robert M. Maxillary appliance for controlled radium needle placement, 21:26488
Radium source appliance for treatment of nasopharyngeal cancer, 21:406
MORROW, T. Effect of an electric field on the radiation induced fluorescence from solutions of aromatic hydrocarbons in cyclohexane, 22:42749
Radiation-induced fluorescence of aromatic hydrocarbons in cyclohexane, 23:17465
MORROW, William L. Irradiation of dextran and its aqueous solutions with ^{60}Co gamma rays, 21:15937
MORSCH, H. P. Gas target with built-in slit geometry for scattering experiments with charged particles, 23:17047
MORSCHES, B. Determination of trace elements in biological material. II, 24:29203
MORSE, A. T. Production of green algae in deuterium oxide, 21:11128
MORSE, Bernard S. Mechanism of action of erythropoietin in relationship to cell cycle kinetics, 25:16344
MORSE, Betty-Ann Circulation and selected properties of Columbia River effluent at sea, 24:41129 (RLO-1725-179)
Columbia River effluent and its distribution at sea, 1961—63, 21:28117 (RLO-1725-62)
Movement of sea-bed drifters near Columbia River, 21:22059 (RLO-1725-94)
MORSE, D. Developmental components for advanced converter evaluation, 21:38454 (GAMD-7867)
MORSE, D. C. Reactor arrangement studies for large HTGR plant, 23:45068 (GA-8439(Rev.))
MORSE, D. L. Electron-cyclotron instability experiment, 21:27218
Observation of velocity-space instability, 23:20940
MORSE, D. S. New personnel interlock system and procedures for the RPI linac lab, 23:28072
MORSE, David L. Laboratory study of high-beta plasma shock waves, 25:47518 (AD-717397)
Velocity-space instabilities in simulated fusion plasma and laser generation of plasma, 23:18673 (AD-673512)
MORSE, Dryden P. Improved method of pacemaker roentgenography, 25:51964
MORSE, E. Track following with SATR, 23:33496 (ANL-7515, pp 102-19)
MORSE, F. Excited species of gases produced in the nuclear reactor, 21:5924
MORSE, Fred A. Polar ionosphere: measured ion density enhancements and soft electron precipitation, 25:55964
Variations in the solar uv flux from July 13 to August 9, 1968, 24:46948
MORSE, Frederick H. Review of liquid-metal magnetohydrodynamic energy conversion cycles, 24:8370 (N-69-37703)

  - Survey of liquid-metal magnetohydrodynamic energy conversion cycles, 24:45076
- MORSE, Frederick Henry Ionizational nonequilibrium in expanding plasma flows, 24:6536
- MORSE, J. G. Experience with operating radioisotope-fueled thermoelectric generators, 21:26098
  - Isotopic power in Europe. II, 21:36267
- MORSE, J. L. In-residence health and safety support in a plutonium facility, 25:55204 (CONF-710401-, pp 267-79)
- MORSE, Jerome G. Isotopic power in Europe. II, 22:49033
- MORSE, L. E. Method for preparation of urania sols, 21:90
  - Sol-gel processes for PuO$_2$ and UO$_2$—PuO$_2$, 24:30004 (CONF-700502-, pp 100-12)
- MORSE, Leen E. Extraction method for preparing UO$_2$ microspheres, 22:13056
- MORSE, M. S. Heat capacity of tantalum in range 1900 to 3000 K, 25:55494
  - Heat capacity, electrical resistivity, and thermal radiation properties of Mo, 24:19426
  - Measurement of melting point and electrical resistivity (above 2840°K) of Mol by a pulse heating method, 25:45069
- MORSE, Philip M. Thermal physics, 24:47344
- MORSE, R. Analysis of N*(1500) and N*(1700) baryon resonances produced via diffraction dissociation, 25:59307
  - Coaxial snowplow discharge, 22:1186 (LA-3770, Paper C7)
  - Interpretations of pω mass enhancement near threshold, in $\pi^-p \to \pi^-p\omega$ at 7 GeV/c, 24:49345
  - Phase shifts π—π in region 1.0 to 1.4 GeV/c^2, 23:42562
  - Phase shifts $\pi\pi$ in 1.0- to 1.4-GeV region, 24:30521 (CONF-690521-, pp 75-92)
  - Piπ scattering up to 1.4 GeV of dipion mass, 24:37661
  - Properties of the g meson, 22:34858
  - Theory of turbulent heating and anomalous diffusion in pinch plasmas, 25:38351 (CONF-710607-66)
- MORSE, R. H. Radium geochemistry applied to prospecting for uranium, 24:36428
- MORSE, R. I. Collisions of an atom and a harmonic oscillator, 25:30290
  - Decay of ^{103}Ag, 23:15446
  - Decay of the isomeric states of ^{102}Ag, 21:33997
  - Intermediates in the nucleon-transfer process in reactions of ^{14}N with ^{133}Cs, 21:30010
- MORSE, R. L. Coaxial snowplow discharge, 23:44395
  - Collisionless tearing mode instabilities in high-β theta pinch, 23:23175
  - Electron cyclotron drift instability, 24:47263 (LA-4487)
  - Electron cyclotron drift instability, 25:1230
  - Faraday rotation measurements on Scylla IV theta pinch, 22:31842
  - Hydromagnetic equilibrium of a thin-skin, finite beta toroidal plasma column, 22:1266 (LA-3770, Paper B2)
  - Hydromagnetic equilibrium of finite-beta toroidal plasma column, 22:13512 (LA-3778)
  - MHD simulation of coaxial plasma flow, 23:1425 (LA-3990, pp C6.1-8)
  - Multidimensional plasma simulation by the particle-in-cell method, 24:49159
  - Numerical simulation of axisymmetric, collisionless, finte β plasma, 23:1421 (LA-3990, pp C2.1-16)
  - Numerical simulation of axisymmetric, collisionless, finite-β plasma, 23:39486
  - Numerical simulation of the weibel instability in one and two dimensions, 25:27737
  - Numerical simulation of warm two-beam plasma, 23:1416 (LA-3990, pp A4.1-10)
  - Numerical simulation of warm two-beam plasma, 24:3357
  - Numerical simulation of Weibel instability in one and two dimensions, 24:42706 (LA-4482)
  - One-, two-, and three-dimensional numerical simulation of two-beam plasmas, 24:3403
  - Rigid drift model of high-temperature plasma containment, 24:15273
  - Sheath stability, 22:1268 (LA-3770, Paper F3)
  - Spontaneous field reversal in theta pinches, 24:51722
  - Studies of turbulent heating of H plasma, 25:11862
  - Studies of turbulent heating of hydrogen plasma by numerical simulation, 24:51605 (LA-4510)
  - Z-dependent marginal stability of the rigid-rotor model of a high-beta theta pinch, 22:1267 (LA-3770, Paper B7)
- MORSE, R. S. Analysis for ^{210}Pb content of atmosphere, 23:40575
  - Analysis for ^{222}Rn content of atmosphere, 23:40574
  - Electrochromatographic method aids determination of trace levels of Ba, Sr, and lanthanides, 22:48824
  - Tentative method of analysis for ^{131}I content of atmosphere (particulate filter: charcoal gamma), 24:41451
  - Tentative method of analysis for gross alpha radioactivity content of the atmosphere, 24:33793
  - Trace determination of nickel by combining paper chromatography with radiometric precipitation, 22:22973
- MORSE, Richard L. Adiabatic end loss from a theta pinch, 22:36885
  - Adiabatic time development of linear theta-pinch plasma profiles, 21:40020
  - Ballooning of $\beta = 1$ plasmas with sharp boundaries, 21:13610
  - Bounce model pinch stability, 21:29305
  - End losses from a linear THETA-pinch, 21:9531
  - Equilibria of collisionless plasma, 22:52773 (LA-3844)
  - Equilibria of collisionless plasma. II, 23:46495 (LA 3844(Pt.2))
  - Instability of low-β magnetic flute modes caused by transverse anisotropy, 23:36716
  - Two-dimensional simulation of shock waves in collisionless plasmas, 23:1422 (LA-3990, pp C3.1-11)
- MORSE, Robert I. Collinear collisions of atom and Morse oscillator, 25:58727
- MORSE, Robert Ira Intermediates in the nucleon transfer process in reactions of ^{14}N with ^{133}Cs, 21:34014
- MORSE, Robert Malcolm Resonance production in π^-p interactions at 7.0 GeV/c, 25:7561
- MORSE, Robert S. Determination of cobalt using ^{60}Co and paper chromatography, 24:38754
  - Dietary intake of ^{210}Pb, 25:46812
  - Trace analysis utilizing paper chromatography and radioactive precipitants, 21:2969
  - Trace element determination by electrochromatographic radiometric precipitation, 21:38895
- MORSE, Stephen Lewis Electrochemical characteristics of rare earth and yttrium metals in phosphoric acid, 21:23902
- MORSE, T. B. Sandia thick quartz gage quality testing and application notes, 22:7965 (SC-TM-67-807)
- MORSE, T. F. Kinetic theory of flow between rotating cylinders: the gas centrifuge, 25:54888 (CONF-700557-5)
- MORSE, W. J. Nuclear physics made very, very easy, 22:44954 (NTO-T-0026)
- MORSELL, A. L. Electrical conductivity of shock-heated air and air-plus-Teflon mixtures, 22:1208
  - Techniques for conducting shock tube experiments with mixtures of ultrafine solid particles and gases, 21:34542
- MORSELLI, F. Frascati microtron as synchrotron injector, 23:39878
- MORSS, L. R. Preparation and crystal structure of Cs$_2$BkCl$_6$ and Cs$_2$NaBkCl$_6$, 23:33186
  - Preparation of cubic chloro complex compounds of trivalent metals: Cs$_2$NaMCl$_6$, 24:38885
- MORSS, Lester Robert Crystallography and thermochemistry of some chlorocomplex compounds of the lanthanide and actinide elements, 24:7426 (UCRL-18951)
- MORSY, M. Decay scheme of ^{111}Pd and /sup 111m/Pd, 23:19261
  - Decay scheme of ^{144}Pr, 23:19260
- MORSY, M. W. Direct interaction theory and non-Hermiticity of Laplacian operator, 25:39112
  - Eigenpotential problem of the shell model, 22:39714
  - High current radio frequency ion source, 23:44787
  - Optical model and gaint resonances, 23:47084
  - Radio frequency ion source, 22:50677
  - Realizability of linear differential operators and the dispersive behavior of scattering, 25:33869
  - Shell-model eigenfunctions and the asymptotic requirements, 22:20711
- MORSY, S. M. Characteristics of collimator constructed for Inchass whole body monitor, 25:34871 (UARAEE-82)
  - Elimination rates of ^{134}Cs, ^{60}Co, and ^{203}Hg, 25:16013
  - Experience developed in monitoring and control of radiation in U.A.R, 25:52089 (A/CONF.49/P-142)
  - In vivo γ-spectrometric investigation of Th body burdens in the Egyptian monazite area, 24:34339
  - Levels of K and ^{137}Cs in man in UAR during 1968, 23:35703 (A-AC-82/G/L-1281)
  - Sodium-24 body burden induced by neutron exposure, 25:21699
- MORSY, Samira M. Assay efficiency and response for cylindrical scintillation crystals and large-area gas counters applied to whole-body counting, 25:57772
  - Assessment of accidental external exposure and internal contamination of workers and medical management, 24:7858
- MORTARA, D. Spin-parity analysis of B meson, 22:20136 (COO-1195-110)
- MORTARA, D. W. 3π mass spectrum produced by π^-p at 5 and 7.5 GeV/c, 22:48225 (COO-1195-132)
  - Four-pion decay of f^0 meson, 23:5543
  - Mass spectrum for $\pi^-\pi^-\pi^+$ produced in π^-p at GeV/c, 22:37085
  - Observation of the A$_2^-$ meson in 5 GeV/c π^-p, 22:46334 (COO-1195-133)
  - Scanning and measuring projector, 21:6194 (COO-1195-81)
  - Spin—parity analysis of the B meson, 22:34844
  - Study of 4π enhancements in π^-p at 5.0 and 7.5 GeV/c, 22:48226 (COO-1195-134)
  - Study of A$_2^-$ in $\pi^-p \to \pi^-p$eta^0 at 5 GeV/c, 22:32072
- MORTARA, David Ward Reaction $K^- + p \to K^- + p + \pi^+ + \pi^-$ at 2.63 and 2.70 BeV/c, 21:7472
  - Reaction $K^- + p \to K^- + p + \pi^+ \pi^-$ at 2.63 and 2.70 GeV/c, 22:7440 (COO-1195-45)
- MORTELMANS, H. Conversion of UF$_6$ into base materials, 23:39033
- MORTENSEN, Earl M. Classical probabilities of reaction and transmission coefficients for isotopic reactions of the type $H + H_2 = H_2 + H$, 23:1194
  - Permeabilities and transmission coefficients for various isotopic reactions of type $H + H_2 = H_2 + H$, 22:34269
  - Permeability for reaction $H + H_2 = H_2 + H$ treated as a linear encounter using variational techniques, 24:10387
- MORTENSEN, Leif Fission product treatment in the CEB unit cell burn-up program, 25:48329 (RISO-M-1356)
- MORTENSON, L. E. Purification and some properties of molybdoferredoxin, a component of nitrogenase from Clostridium pasteurianum, 25:41811
- MORTER, W. F. Role of lead shielding (past, present, and future) at Berkeley Nuclear Laboratories of Central Electricity Generating Board, 24:29948
- MORTIER, P. Spatial resolution of the neutron moisture meter, 22:6666
- MORTIMER, D. A. Estimate of the surface energies of some metal carbides, 24:8182 (AERE-M-2247)
  - Surface and interfacial energies of the uranium—uranium carbide system, 25:22097
- MORTIMER, M. J. Length changes in actinide metals due to self-irradiation damage at 4°K, 25:11468
  - Length changes in α-Pu during self-irradiation damage below 4.2K, 25:22120
  - Low-temperature thermal expansion behaviour of α-U, 22:38991
  - Self-irradiation damage in α-plutonium, 25:27837 (AERE-R-6506)
  - Self-irradiation damage in α-Pu, 25:38561
  - Self-irradiation damage in the actinide metals, 22:29585
  - Self-irradiation damage induced resistivity changes in actinide metals at low temperatures, 25:11960
- MORTIMER, R. Induction of different classes of genetic effects in yeast using heavy ions, 22:12836
  - Radiation-induced reaction of iodoacetamide with albumin, 24:16989
- MORTIMER, R. K. Radiation-induced mitotic segregation in yeast, 23:29452
  - Super-suppressor mutations in S. cerevisiae, 21:16547
- MORTIMER, Robert K. Isolation of disomics in S. cerevisiae, 24:29894 (UCRL-18793, pp 19-24)
  - Radiation-induced mitotic segregation in yeast, 23:7976 (UCRL-18066, pp 26-37)
  - Radiation-sensitive mutants in yeast, 23:7977 (UCRL-18066, pp 43-7)
  - RBE and OER of π^- mesons for induction of heteroallelic reversion in diploid yeast, 24:34321 (UCRL-19420, pp 96-8)
- MORTIMORE, D. M. Determination of nitrogen in vanadium nitrides and uranium nitride (UN), 25:15500
- MORTKA, T. Prog. rpt. on structure of radiation damage in Li-diffused Si, final, 2—12/69, 24:51789 (N-70-28137)
- MORTLAND, J. E. [Recent research on] metals joining, 25:27193
  - Metals joining, 24:4762
- MORTLOCK, A. J. Near-surface diffusion anomaly in gold, 21:31000 (ORNL-4141)
- MORTON, A. H. Energy loss by low-energy protons in gold, 22:11544
- MORTON, B. J. Energy dependence of the elastic scattering and polarization of protons on ^{40}Ca, 21:46690
  - Polarization and differential cross section for elastic scattering of 40-MeV protons. II, 21:29908
  - Proton—proton final-state interactions in the reactions ^{3}He(d,t)2p, d(^{3}He,t)2p, p(^{3}He,d)2p, and ^{3}He(^{3}He,^{4}He)2p, 22:29901
  - Two-proton final-state interactions in the reactions D(^{3}He,t)2p and ^{3}He(d,t)2p at a center-of-mass energy of 21 MeV, 21:29450
- MORTON, Bobby Joe Interactions in ^{3}He(d,t)2p, D(^{3}He,t)2p, ^{3}He(^{3}He,^{4}He)2p, and H(^{3}He,d)2p, 22:53079
  - Two-proton final-state interactions in reactions ^{3}He(d,t)2p, d(^{3}He,t)2p, ^{3}He(^{3}He,^{4}He)2p, and p(^{3}He,d)2p, 21:46661 (ORNL-TM-1914)
- MORTON, D. C. Angular diameter and effective temperature of zeta Puppis, 24:48928
- MORTON, D. S. Determination of activity on surface contamination smears, 24:9826 (AERE-M-2174)
- MORTON, Daniel G. Pelvic lymphnodectomy as an adjunct to the radiation therapy of cervical carcinoma, 23:863
- MORTON, Donald C. Abundance of helium in A- and B-type stars, 22:13176
  - Effective temperatures and bolometric corrections of early-type stars, 22:17236
  - Effective temperatures of O stars, 24:4885
  - Effective temperatures of six Wolf—Rayet stars, 24:23605
  - Far-ultraviolet spectra of six stars in Orion, 21:20677
  - Far-uv interstellar absorption lines in delta and pi Scorpii, 21:37086
  - Far-uv spectra of zeta Puppis and γ^2 Velorum, 23:20573
  - Helium abundance in population I stars, 24:37028
  - Interstellar Lα absorption in β^1, delta, and π Scorpii, 24:4872
  - Mass loss from three OB supergiants in Orion, 22:4957
  - Model atmosphere for a B4 V star with line blanketing, 22:26128
  - Model atmospheres for B-type stars with blanketing by ultraviolet lines, 24:42331
  - Model atmospheres for O-type stars with uv line blanketing, 23:27227
  - Model atmospheres for O5 V and B0 V stars with line blanketing, 22:26111
  - Rocket observations of mass loss from hot stars, 23:18297
  - Rocket observations of Orion stars with an all-reflective uv spectrograph, 23:5096
  - Ultraviolet spectra of stars, 22:4941
- MORTON, Donald L. Evaluation and management of radiation-induced pericardial effusion, 23:33748
  - Pericardiectomy for radiation-induced pericarditis with effusion, 24:34424
- MORTON, Erwin Jr. Studies in stellar evolution. IX, 24:19575
- MORTON, G. A. Afterpulses in photomultipliers, 21:4729 (NYO-3421-9)
  - Pulse height resolution of high gain first dynode photomultipliers, 23:11920
- MORTON, J. M. Conservation of seniority in neutron shell, 24:52710
  - Level structures of ^{85} ^{87}Sr from (d,p) reactions, 25:14955
- MORTON, J. R. Effect of temperature on HEDTA- and EDTA-elution positions of yttrium in rare-earth sequence, 22:10337
- MORTON, Jane I. Autoimmune disease in mice infected with Rauscher leukemia virus, 24:31188 (RLO-1927-46)
  - Circulating hemagglutinins of NZB mice immunized with sheep erythrocytes, 24:31189 (RLO-1927-47)
  - Detection of antinuclear antibodies in NAB and other mouse strains, 25:60285 (RLO-2226-T-3-8)
  - Radiation sensitivity of New Zealand black mice and the development of autoimmune disease and neoplasia, 25:26952
  - Radiation sensitivity of NZB mice, 25:6774 (RLO-1927-50)
  - Rauscher viral leukemogenesis in BALB/c mice treated with rabbit anti-mouse thymocyte serum, 24:9194 (RLO-1927-42)

  Reticuloendothelial activity of New Zealand black mice, 24:31186 (RLO-1927-43)
MORTON, John R. Method of separating yttrium from rare earths by ion exchange, 23:40810
MORTON, N. Flux jumps in hard superconductors, 22:22109
  Flux jumps in niobium—zirconium alloy cylinders at liquid helium temperatures, 22:48062
  Occurrence and origin of flux jumps in hard superconducting cylinders, 22:29411
  Power dissipation and flux jumps in hard superconducting slabs, tubes, and solenoids, 23:20869
  Superconductivity of molybdenum and tungsten carbides, 25:56087
  Upper critical fields of superconducting molybdenum carbides at 4.2°K, 22:24225
MORTON, N. E. Genetic effects of cumulative x irradiation on the secondary sex ratio of the laboratory rat, 22:40643
  Relation between homozygous viability and average dominance in D. melanogaster, 23:26721
MORTON, P. H. Corrector elements for SLAC storage ring project, 22:11829
  Electron beam melting of tungsten, 22:43545
  Influence of oxygen upon intergranular fracture in cast tungsten, 23:3076
  Niobium—Zr—C and Nb—Zr—O systems, 23:27121
  Stable superconductors and their uses, 24:10487
MORTON, P. L. Axial acceleration of electron rings, 22:46621 (UCRL-18103, pp 350-62)
  Design of low-beta insertions for storage rings, 21:15443 (SLAC-PUB-246)
  Effect of ions on the symmetrical throbbing beam mode, 23:27976
  Effects of transverse coupling in SLAC storage ring, 25:50564
  Interaction of a ring of charge passing through a cylindrical rf cavity, 22:46623 (UCRL-18103, pp 365-75)
  Synchrotron frequency splitting in SLAC storage ring, 25:50559
  Throbbing beam instabilities in particle accelerators and storage rings, 21:38071
  Throbbing beam transverse resistive instabilities in circular accelerators and storage rings, 21:40306 (SLAC-76)
MORTON, Peter Harlow Hafnium alloys, 22:10921
  Hafnium alloys, 22:10979
MORTON, R. A. Uv sensitivity of E. coli, 23:24592
  X-ray sensitivity during the cell generation cycle of cultured Chinese hamster cells, 21:6634
MORTON, R. J. Clinch River study, 21:22117 (ORNL-4035)
  Evaluation of radiation dose to man from radionuclides released to the Clinch River, 21:16307
  Prog. rpt. on Clinch River study, 11/66, 21:3174 (ORNL-3941)
MORTON, Roy J. Land burial of solid radioactive wastes: study of commercial operations and facilities, 24:7617 (WASH-1143)
MORTON, Stephen D. Use of gamma radiation to control algae, 23:5057
MORTON, T. H. Cross-correlation techniques to determine in vivo radionuclide locations, 23:45508 (BNWL-1051(Pt.3), pp 18-21)
  Tritium target scanning using surface-contoured diodes, 23:46860 (BNWL-1051(Pt.3), pp 28-30)
MORTON, V. M. Multi-photon absorption in monatomic gases, 22:9005
MORTON, W. A. Analysis of Li-boiling K refractory metal Rankine cycle power system, 21:12221 (N-66-19135)
  Prog. rpt. on mechanisms and parameters that influence steady state and transient performance of Rankine cycle liquid metal systems, 10—12/66, 21:19843 (SAN-677-6)
MORTON, W. T. Elasticity of the $\Sigma(2030)$, 25:9681
  Kinematic fitting of neutron target reactions in a deuterium bubble chamber, 23:43597
  Neutron—proton elastic scattering at 15.7 MeV, 21:44272
  Shape of the projected image of bubble chamber tracks, 21:4742
MORTON-BLAKE, D. A. Electron paramagnetic resonance of cupric acetate, 23:47485
  Electron paramagnetic resonance of nickel acetate, 24:20809
MORTON III, J. R. Measured critical spacings of Pu arrays. I, 22:33060
  Summary report of critical experiments Pu array studies, Phase I, 21:24419 (UCRL-50175)
MORTSEVA, G. I. Aerodynamic characteristics of a one-chamber plasmatron with vortex gas stabilization and its effect on arc behavior, 22:9362
  Regulation of arc voltage in a two-chamber plasmatron by changing the gas flow ratio through vortex chambers, 22:9363
MORUCCI, J. P. Comparison of thyroid images obtained by a conventional scintigraphic device and by a spark chamber camera, 25:49228
  Investigation of light emission by electron avalanches in binary mixtures where xenon is the parent constituent. Attempted interpretation of the visible continuum emitted by xenon, 24:39287
  Last developments on spark chambers, 24:23017 (CEA-CONF-1486)
  New developments in gas filled image intensifier detectors for x and gamma rays, 22:40425
  Possibilities of a gas detector with three electrodes in the domain of the visualization of x rays, 24:2441 (CEA-CONF-1294)
  Recent performance of a gas-image amplifying detector operating in the spark region, 21:10646
  Stationary gas detector and a new type of gammascope, 23:13975 (CEA-CONF-1035)
  Stationary gas detector and a new type of gamma camera, 23:33463
  Study of light emission of electron avalanches in binary mixtures, 24:19195 (CEA-CONF-1480)
MORUCCI, Jean-Pierre Amplification of gas-detector images, 23:38281
  Device for controlling the sparking in a spark chamber, 25:37643
  Light emitted by electron avalanches in mixtures containing Xe, 24:46467 (CEA-R-3967)
  Method of spark control and systems for the utilization in spark chambers, 23:2646
  New proportional counter for in vivo detection of traces of plutonium in the lungs, 21:16102 (CEA-R-3027)
  Recording diffraction patterns, 25:18859
  Spark chamber used for the visualization of the ^{125}I labeled thyroid, 25:46618 (CEA-R-4171)
MORUCCI, M. Immunological modifications induced by radiotherapy, 25:26668
MORUZZI, J. L. Effects of detachment and ion—molecule reactions on the determination of ionization and attachment coefficients from current-growth experiments, 23:6884
  Negative ion—molecule reactions in N_2O, 22:29290
  Negative-ion—molecule reactions in O_2, CO_2, H_2O, CO, and mixtures, 21:3690
  Negative-ion—molecule reactions in N_2O, 23:10444
MORUZZI, M. S. Action of x and γ radiation on metabolism of nucleic acids, 22:49259
  Free nucleotides of the liver of x- and γ-irradiated rats, 22:51914
MORUZZI, V. L. Intrinsic metallic character of rare-earth pnictides, 25:27879
  Magnetic and magneto-optical properties of Fe-doped EuO films, 25:27897
  Magnetic equation of state and specific heat of EuS near the Curie point, 22:22235
  Specific heat of Gd-doped EuS, 22:41669
MORVAI, Laszlo Selective γ—γ methods in ore prospecting drilling, 24:33782
MORVAN, P. Light pen used for nuclear data processing, 25:18844
MORVAN, Pierre Visualization of spectra in nuclear physics, 25:10892 (CEA-N-1363)
MORVILLO, V. Effects of radiogold on Ehrlich ascites tumors, 21:32701
  Influence of dimercaptopropanol on renal elimination of radioactive mercurials, 21:26351
  Leukocyte loss from antimitotic pharmaceuticals and panirradiation of rats, 21:32706
MORY, J. Channeling of fission fragments, 23:42437
  Charged particle tracks in insulating solids, 24:27353
  Dechanneling of fast transmitted particles by lattice defects, 24:42831
  Determination by channelography of orientation of microcrystals, 25:43464
  Diffusion of U in Ti and Fe, 21:26814
  Dosimetry of fluence of thermal neutrons, 23:7740
  Mean range of fission fragments in some metals with mica as a detector, 23:17350
  Measurement of mean range of fission fragments with mica as detector, 24:49249
  Measurement of the dechanneling coefficient by a stacking fault in gold, 25:38559
MORY, Jean Channelling patterns in metallic crystals, 23:48457 (CEA-CONF-1318)
  Dechanneling by a stacking fault, 25:25218
  Measure of the average range of fission fragments with mica as a detector: influence of crystal structure, 23:48495 (CEA-CONF-1319)
MORYAKOV, V. F. Welding niobium to a copper alloy by melting, 24:51144
MORYS, P. Dielectric theory of inelastic electron scattering into crystal reflections, 22:17795
MOS, A. P. J. Fast-neutron facility for biological exposures in an Argonaut reactor, 24:7838
  keV neutron spectrometry by proton recoil technique, 25:1937 (RCN-122, pp 157-65)
MOSAKOWSKI, J. J. Prog. rpt. on high temperature flat cables, 11/70, 25:37159 (BDX-613-161)
MOSASHVILI, G. A. Radiation effects on formation of thiocyanic acid esters, 22:37804
  Radiation-chemical transformation of β-oxyethanethiol, 23:9480
  Radiolysis of 1-hexadecane- and 1-octadecanethiols, 24:27163
MOSBROOKER, Michael Lee Energy loss of high-energy electrons in Sn, Pb, and Gd, 25:14392 (AD-711005)
MOSBURG, Earl R. Jr. Periodic potential probe configuration for plasma diagnostics, 24:8446
  Recombination of He^+ and He^{++} in the afterglow of a He discharge, 21:7233
MOSCA, G. Disturbance of power control by rod shimming, 21:46953
MOSCA, L. Decay modes and quantum numbers of resonance $\pi(1640)$, 23:49056
  Proton—proton interactions at 6 GeV/c, 22:32058
  Six prong π^-p interactions at 11 GeV/c incoming momentum, 22:39278 (CERN-68-7(Vol.2), pp 226-43)
MOSCATI, M. Survey dosimetry in a field of 1200 curies of gamma rays, 25:52072 (RT/PROT-(71)10)
MOSCH, W. Physical principles of practical liquid resistors for pulse voltages, 24:16368 (LA-4144-tr)
MOSCHI, G. Spectropolarimetric analysis of the solar corona, 25:32985
  Temperature difference between the equator and the poles of the Sun, 24:42448
MOSCHINI, G. Experimental study on low-energy levels of ^{4}He, 23:1786
  Gas recoil neutron polarimeter, 23:11914
  Polarization of neutrons from D—D reaction, 23:15355
  Scattering of neutrons by ^{3}He and ^{3}He nuclei, 21:29867
  Scattering of neutrons by H_1^3 and He_2^3 nuclei, 21:42550 (INFN/BE-67/1)
MOSCHOS, A. Case of a partial defect of the iodide trapping mechanism, 24:25372
MOSCICKI, W. Measurement of thermoemission by means of Geiger—Mueller counters, 21:22135
MOSCINSKI, J. Determination of excess volume in solution Cd—$CdCl_2$ by gamma absorption, 22:31501
  Furnace for the determination of solubility and density of metal—molten salt systems by means of the radiation absorption method, 25:37394
  Radiometric determination of the volume change on mixing in the liquid cadmium—cadmium chloride system, 22:16465
MOSCKER, E. Density determination of refractories by measurement of gamma-radiation absorption, 21:40804
MOSCONI, B. Dispersive approach to ^{4}He(γ,d)d reaction, 25:59698
  Neutron—deuteron radiative capture and Seagrave—Van Oers pole in the effective range approximation, 25:1708
  Omnes equation and superconvergence relations, 25:5427
  Reaction ^{4}He(γ,d)d and 2^+ excited state of ^{4}He at 30 MeV, 25:5543
  Threshold electrodisintegration of deuteron, 24:3849
  Use of photonuclear sum rules in the study of light nuclei, 24:15787
MOSCONI, C. Mutants of durum wheat in Marche region, 22:49300
  Root system characteristics in radioinduced mutant lines of Triticum durum, 24:48519
MOSCOSO, L. Hyperon—proton interactions between 0.5 and 4.0 GeV/c, 24:49323
  K^-p charge exchange at 3.95 GeV/c, 24:45434
MOSDZELEWSKI, K. Extraction of Ra, Ac, and Pa with 8-hydroxyquinoline, 21:43038
MOSDZELEWSKI, Klaus Extraction of Ra, Ac, Pa, Am, and Cm elements with 8-hydroxyquinoline, 21:10417 (KFK-432)
MOSE, C. B. Acute erythraemia after Thorotrast injection, 25:44958
MOSEBEKK, O. P. Inner shell ionization by heavy, charged particles, 24:30164
  L- and M-shell ionization by heavy charged particles, 23:32158
MOSEDALE, D. Determination of creep constants from stress relaxation tests, 23:29109
  Dislocation climb and irradiation, 24:25757
  Irradiation creep in Dournreay Fast Reactor, 24:12448
  Irradiation creep in several metals and alloys at 100°C, 22:2670
  Irradiation effects in fast reactor cladding and structural materials, 25:52390 (A/CONF.49/P-499)
  Radiation-enhanced relaxation in Zy-4, 23:30027
MOSEEV, L. I. Extraction of complex compounds of neptunium with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone, 22:45174
MOSEL, D. A. A. Effect of irradiation on the keeping quality of packaged cod flesh, 24:2856
MOSEL, U. Asymptotically correct shell model for nuclear fission, 24:20458
  Asymptotically correct shell model for asymmetric fission, 25:53819
  Even—odd-staggering in γ-bands, 24:49965
  Ion—ion potentials in a two center model, 25:17717
  Level-structures in spherical and deformed nuclei, 24:30949
  New treatment of the collective nuclear Hamiltonian, 24:8961
  Nuclear deformation energy in the two-center shell model, 25:1746
  Potential energy surfaces for heavy nuclei in the two-center model, 25:25824
MOSEL, Ulrich Double-centre oscillator and its application to fission, 24:8947
  Investigation of the collective potential-energy surface, 23:5952
  Stability of superheavy nuclei, 24:1824
  Stability of superheavy nuclei against fission, 23:23739
  Structure of the potential energy surface at large deformations, 25:3734
  Two-center shell model, 25:23077
MOSEL', V. I. Effect of gamma and neutron irradiation on the ferromagnetic resonance in ferrites, 22:5451
  Influence of ^{235}U fission fragments on ferromagnetic resonance of single-crystal ferrites, 22:31972
MOSELEY, B. E. B. Isolation and some properties of radiation-sensitive mutants of M. radiodurans, 22:49309
  Repair of damaged DNA in irradiated bacteria, 24:48404
  Repair of irradiated transforming deoxyribonucleic acid in wild type and a radiation-sensitive mutant of Micrococcus radiodurans, 25:27124
  Repair of UV damage in mutants of Micrococcus radiodurans, 23:33678
  Transformation in Micrococcus radiodurans and ultraviolet sensitivity of its transforming DNA, 22:51443
MOSELEY, Gerard F. Precise declinations and optical identifications of selected discrete radio sources, 25:7020
MOSELEY, Gerard Franklin Precise declinations and optical identification of selected radio sources, 24:35074
MOSELEY, H. E. Separation of osmium and ruthenium by solvent extraction, 25:230
  Simultaneous determination of Os and Ru, 23:43260
MOSELEY, Harry Edward Separation and determination of osmium and ruthenium, 24:13742
MOSELEY, J. D. Hydrofluorination of curium dioxide, 22:50964
MOSELEY, J. T. Reactions of H^+ in H_2 and D^+ in D_2, 22:41376
MOSELEY, Jerry D. Static bed reactor for studies of a plutonium hexafluoride volatility process, 22:6369 (RFP-1048)
  Static reactor reduction of plutonium hexafluoride with iodine and hydrogen, 22:48899 (RFP-993)
MOSELEY, John $H^+ + H^-$ mutual neutralization cross section, 24:19747

Ion—ion recombination total cross sections: atomic species, 24:49033
Oxygen ion—ion neutralization reaction as related to tropical ultraviolet nightglow, 25:27608
MOSELEY, John T. Ion—ion mutual neutralization cross sections measured by a superimposed beam technique. II, 25:24894
MOSELEY, Robert D. Jr. Chest x-ray films and mass surveys, 21:41434
How to protect patient and physician during x-ray examinations. I, 25:19010
MOSELY, J. Economics of grain irradiation, 21:26730
MOSELY, John de Sola Improvements in heavy particle beam scanning, 24:9575
MOSEMAN, J. G. Effect of uv light on Erysiphe graminis, 21:14773
MOSENTHAL, William T. Scintillation scanning of liver cell adenoma, 25:58046
MOSER, Berthold Austrian law on civil responsibility in the domain of nuclear energy, 22:16156 (NP-17218)
MOSER, C. Atomic and molecular wave functions, 25:55889
Correlation effects in atoms and molecules, 23:39342
MOSER, C. M. Calculation of magnetic hyperfine structure of ^1D, ^3D, ^1F, and ^3F states of $^7Li^+$, 22:31660
Evaluation of bottom flooding as a means of arresting reactor core temperature transients following a loss-of-coolant accident, 22:32860
Magnetic hyperfine constants for ground states of light atoms, 22:9099
SECHT III: experimental investigation of top and bottom flooding of a nuclear bundle simulator, 24:20578 (IN-1355)
SECHT series I and II tests and analysis, 23:4273 (IDO-17278)
Semiscale Blowdown and Emergency Core Cooling (ECC) project test report: Tests 824 and 825, 25:51135 (IN-1481)
MOSER, E. Radiometric method for the interference-free determination of small boron concentrations, 23:45218
MOSER, F. Instability of the positive column of finite length in a magnetic field, 24:51701
Positive column in a magnetic field and transition of normal to anomalous diffusion, 24:26172
Radiation transport equation in different coordinate systems, 22:44112 (NP-17460)
Rapid determination of artificial radioactivity in air, 22:42882
MOSER, H. Borehole dilution techniques, 22:19070
Ion density from Stark broadening of H/sub β/, 25:3068
MOSER, H. C. Low energy electron irradiation of solid ethene at 63°K, 22:47153 (COO-584-36)
Low-energy electron radiolysis of methane, 25:44400
Mercury photosensitized reactions of solid ethylene at 24°K, 25:51344 (TID-25778)
Oxidation of radon in aqueous solutions, 21:23869
Quenching of excited mercury atoms by alkanes, 24:50392
Quenching of Hg(6^3P_0) atoms by H and hydrocarbons, 24:48086
Reactions of H and tritium atoms with C at 77°K, 21:15957
Reactions of tritium atoms produced by electron impact on T_2 with solid propene and propane, 22:10240
MOSER, Heribert Point dilution methods of investigating ground water flow by means of radioisotopes, 22:23140
Use of radioactive isotopes in hydrology. VI, 21:41006
Using radioactive isotopes in hydrology. VII, 24:2307
MOSER, J. Boundedness of the solution and the singularity of the Stoermer problem, 25:7505
MOSER, J. B. Densification processes of actinide IVA—VIA compounds, 23:34087
Electrical and thermal properties of some actinide compounds, 22:26085
Electrical properties of PuC, PuP, and PuS, 21:13631
Lattice constants and melting points of actinide-group IVA—VIA compounds with NaCl-type structures, 22:8061
Materials problems in nuclear technology, 24:7375
Preparation and properties of some groups V and VI compounds of Pu, 21:32959
Sintering characteristics and properties of PuS and PuP, 21:13245
Thermal conductivity and heat capacity of UC, UP, and US, 21:36920
Thermal conductivity and heat capacity of the monophosphide and monosulfide of plutonium, 22:45818
Thermal diffusivity of actinide compounds, 23:6739
MOSER, James S. Shielding properties of the UPb, intermetallic compound, 21:22874
MOSER, John B. Preparation of plutonium monosulfide and plutonium monophosphide, 21:89
Uranium carbide—plutonium phosphide as a reactor fuel, 22:11037
MOSER, Juergen Long-term stability for particle orbits, 23:5724 (NYO-1480-101)
MOSER, K. Effect of radiation on erythrocyte metabolism, 24:6104
MOSER, Karen Amino acid destruction in beef by high energy electron beam irradiation, 22:8684
MOSER, Kenneth M. Digital and analog processing of Anger camera data with a dedicated computer-controlled system, 25:18730
Inhalation lung scanning evaluation, 24:19335
Lung scanning with the scintillation camera, 23:18054 (CONF-670958-, pp 246-80)
Pulmonary photoscan—roentgenographic comparisons, 23:50663
MOSER, P. Cobalt electron irradiated at 20°K, 25:11949 (AI-Trans-267)
Defect studies in irradiated ferromagnetic metals or alloys, 21:40117
Disassembly of a defective fuel element from the KASIMIR cycle, 22:3927 (EIR-124)
Effect of impurities on the recovery stages of electrical resistivity in nickel bombarded by electrons at low temperatures, 21:1920 (AI-Trans-220)
Effect of irradiation on nickel and iron—nickel alloys, 24:14852
Interaction of impurities produced by irradiation, 23:3102
Internal friction in irradiated nickel, 23:12956 (CEA-CONF-1135)
Internal friction in low temperature irradiated B.C.C. metals, 24:21849 (CEA-CONF-1487)
Internal friction in low temperature irradiated bcc metals, 24:48837
Point defects in gadolinium after electron and neutron irradiation, 23:16875
Point defects studies in niobium, 24:36921 (CEA-CONF-1513)
Post-irradiation recovery of two hexagonal, ferromagnetic metals: cobalt and gadolinium, 23:16866 (CEA-CONF-1028)
Return of resistivity of Nb irradiated with electrons at 20 deg K, 21:512
Stage I in irradiated Ni, 23:16867 (CEA-CONF-1029)
Study and interpretation of the recovery stages of irradiated zone-refined nickel, 22:28870
Study of Co bombarded by electrons at 20°K, 22:26466
Study of internal friction peaks in molybdenum after irradiation with neutrons at 27°K, 25:27199 (CEA-CONF-1671)
MOSER, Pierre Diffusion of defects created by irradiation of iron, 21:39659 (NP-16837)
Magnetic after-effect in irradiated ferrites, 24:37544
MOSER, R. M. Class of waveguides with uniform electric field strength, 22:4521
MOSER, Robert E. Polypeptide synthesis from ammonia and methane using high energy radiation, 25:46505
MOSER, Z. Range of limited solubility in Zn—Bi—Sn—Cd quaternary alloys, 25:40046
Thermodynamic properties in Zn—In liquid solutions, 25:35442
Thermodynamic properties of zinc—indium dilute liquid solutions, 25:2685
MOSES, Arnold M. Radioimmunoassay of vasopressin, 23:31679
MOSES, E. Coherent production of Q and L mesons of deuterium, 22:34857
MOSES, E. J. Deck-model calculation for doubly charged $K\pi\pi$ systems in $KN \rightarrow K^* \pi N$ reactions, 23:15118
Double-pion production reactions in anti pn collisions at 2.8 GeV/c, 24:45420
Low-mass antip$\pi^-\pi^+$ and $p\pi^-\pi^+$ enhancements in reaction antipp $\rightarrow$ antip$\pi^-p\pi^+$ at (2.8/3.5) GeV/c, 24:40371
MOSES, Edward Reaction of $K^+p \rightarrow K^0 \pi^+p$ at 2.26 GeV/c, 21:29452 (TID-23823)
MOSES, Edward Joel Associated production in π^-p interactions at 5.5 GeV/c, 22:39292
MOSES, H. Analysis of smoke plume photographs, 21:25986 (ANL-7220, pp 89-96)
Calculation of effective stack height, 21:25987 (ANL-7220, pp 96-9)
Prog. rpt. on Chicago air polllution system model, 5/68, 22:35940 (ANL/ES-CC-002)
Thermoluminescent dosimetry and environmental radiation studies, 21:26212 (ANL-7220, pp 115-19)
Validity of currently popular plume rise formulas, 22:40223 (AECL-2787, pp 1-20)
MOSES, H. E. Generalized surface harmonics, 21:13660
Integration of the infinitesimal generators of the inhomogeneous Lorentz group and application to the transformation of the wave function, 21:13659
Reduction of direct product of representations of Poincare group, 24:26465
Reduction of reducible representations of infinitestimal generators, 21:33633
Reduction of relativistic wavefunctions to the irreducible representations of the inhomogeneous Lorentz group. I, 21:40252
Reduction of relativistic wavefunctions to irreducible representations of inhomogeneous Lorentz group. II, 22:29728
Reduction of the electromagnetic vector potential to the irreducible representations of the inhomogeneous Lorentz group. II, 21:21177
MOSES, Harry Applications of climatological measurements, 22:40238 (AECL-2787, pp 356-67)
Ecological dosimetry: radiation levels influenced by plant growth, 21:18045
Fifteen-year climatological summary, 1/50—12/64, 22:40254 (ANL-7084)
Mathematical urban air pollution models, 23:47357 (ANL/ES-RPY-1)
Meteorological instruments for use in the atomic energy industry, 22:45356 (TID-24190, pp 257-300)
Method of discharging a cloud, 21:2128
Plume rise calculations using selected functional forms and the tabulation prediction technique, 25:54780 (CONF-710505-6)
Radiation hazards associated with a reactor accident, 22:40225 (AECL-2787, pp 77-86)
MOSES, Harry E. Helicity representations of the coordinate, momentum, and angular momentum operators, 25:7525
Reduction of reducible representations of the Poincare group to standard helicity representations, 23:15167
MOSES, J. D. Fine structure of isobaric analogue resonances in ^{43}Sc and ^{45}Sc, 23:3966
Fine structure of the isobaric analogs of the ground and second excited states of ^{63}Ni, 25:28237
High-resolution investigation of (p,n) reaction, 25:38947
MOSES, K. Collisionless damping of unstable waves in a mirror-confined plasma, 24:19919
MOSES, K. G. Enhanced ion cyclotron radiation and stabilizing effects of microwave heating in the Alice machine, 22:26355 (UCRL-70841)
MOSES, R. T. Charge spectrum of very heavy cosmic-ray nuclei, 24:42543
MOSES, R. W. Jr. Impossibility of a defocusing quadrupole-lens system, 25:3450
MOSES, Ralph J. Nonuniform sodium slug ejection from an asymmetrically heated channel, 24:33393
MOSES, Ronald W. Jr. Minimum aperture aberrations of quadrupole lens systems, 24:26556
MOSES, Ronald Wilson Jr. Minimum aperture aberrations of quadrupole lens systems, 23:44794
MOSES, T. H. Jr. Temperature data from exploratory boreholes at supplemental test site, Central Nevada, 23:38094 (USGS-474-3)
MOSES, V. Catabolite repression of enzyme synthesis, 21:3379 (UCRL-16806, pp 32-3)
Chromatography of radioactive substances, 24:41225
Properties of E. coli grown in deuterated media, 25:49086
MOSES, W. B. Radiation response of mammalian cells grown in culture. VI, 21:32718
Sub-lethal and lethal radiation damage, 21:32745
Sublethal—lethal radiation damage and repair in mammalian cells, 23:20260 (BNL-50058, pp 134-60)
MOSEVICH, A. N. Adsorption of microamounts of niobium from aqueous solutions on ashless activated platinized coal, 23:28974
Studies of chemical results of ^{131}I β decay in iodoxybenzene, 21:17694
MOSHAROV, A. I. Radiation safety at high energy accelerators, 23:49282
MOSHARRAFA, M. Application of mass spectrometry to the study of gaseous plasmas, 21:15118
MOSHCHINSKII, P. Influence of irradiation of wheat seeds on thiamine biosynthesis, 23:17942
Thiamine synthesis in irradiated wheat seed, 21:34611
MOSHER, D. Clustering of Zr and N in Nb, 24:32456
Effect of shear and connection length on drift waves and plasma confinement, 22:44072 (MATT-625)
Effect of shear and connection length on drift waves and plasma confinement, 23:32474
MOSHER, David Confinement of quiescent asymmetric plasma, 23:51595
Convective losses in a thermionic plasma with shear, 24:26177
Measurement of low plasma densities in a magnetic field, 22:24263
Resonant charge exchange cross section in a K Q machine plasma column, 24:26185
Shear stabilization of a potassium plasma, 21:25168
Spatial distribution of plasma ion drift speeds, 25:33260
MOSHER, J. M. Mass and half-life of ^9C, 25:28187
MOSHEVA-IZMIROVA, N. Early changes in absorbability of ^{131}I by thyroid in acute experimental intoxication with dithane M-45, 23:29325
MOSHIBA, M. Search for quarks, 23:23323
MOSHINSKII, A. V. Plane electromagnetic wave diffraction on two parallel radial non-uniform circular plasma cylinders, 22:36889
Propagation of plane electromagnetic wave on two anisotropic plasma cylinders, 23:46522
MOSHINSKY, M. Can neutron beams show diffraction in time effects, 23:46566 (CNM-R-2(Vol.3), pp 1237-47)
Canonical transformations and matrix elements, 25:52983
Correlation effects in α-particle, 24:52408
Energy levels of the four nucleon system, 21:5485
Extension of a schematic theory of nuclear reactions to include isospin and isobaric analogue resonances, 25:28492
General approach to fractional parentage coefficients, 23:51397
Generalization of the relation between the sympletic and quasispin groups, 24:43558
Group theory and nuclear structure in the 2s-1d shell, 22:27298
Group theory and nuclear structure, 22:9947
Group theory and the few-nucleon problem, 24:20437
Group theory and the many-body problem, 21:29579
Group theory of harmonic oscillators. IV, 22:9960
Group theory of harmonic oscillators. V, 23:19382
Harmonic oscillator in atomic and molecular physics, 22:34275
Harmonic oscillator in modern physics: from atoms to quarks, 24:42934
Harmonic-oscillator states and the α particle. I, 23:44821
Harmonic-oscillator states and the α particle. II, 23:46785
Harmonic-oscillator states for three-particle systems, 23:15189
How good is Born—Oppenheimer approximation, 23:14935
How good is the Hartree—Fock approximation, 22:13218
How good is the Hartree—Fock approximation. II, 24:40205
Linear canonical transformations and their unitary representations, 25:52982
Many-body problems and other selected topics in theoretical physics, 21:29415
Noninvariance groups in the second-quantization picture and their applications, 24:30922
Racah coefficients and states with permutational symmetry, 23:18763
Relation between seniority and quasispin, 23:44983
Representations of finite U_3 transformations, 21:5579
Studies on nuclear structure in the 2s-1d shell. III, 21:7725
Tables of transformation brackets for nuclear shell-model calculations, 22:14119
The pseudo-atom: a soluble many-body problem, 25:58796
Time-dependent behavior of a classical model for reactions involving isobaric analog states, 25:5848
Transformation brackets for three- and four-nucleon systems, 24:45815
MOSHKIN, G. N. Neutron source of ^{252}Cf, 23:42835
MOSHKIN, I. A. Studies of tubes with ThO_2 and Y_2O_3 oxide coatings on WR-alloy cathode base, 22:37753

MOSICHEV, V. I. Isotope analysis of helium by spectrometry with the aid of an isotopic filter, 22:38
  Spectral determination of the isotopic composition of Hg, 21:2974
  Spectroscopic determination of ^{13}C—^{14}C C isotopes in radioactive compounds, 21:2973
MOSIDZE, L. N. Photometry of RW-Auriga-type stars, 25:30058
MOSIELLO, R. DUMOS: program for calculation of free vibrations in rectilinear elastic elements, 24:46444 (RT/ING-(70)5)
MOSIER, H. David Jr. Allometry of body weight and tail length after head x-irradiation in rats, 25:35225
  Effect of x-irradiation of selected areas of the head of the newborn rat on growth, 25:6800
  Growth in rats following x irradiation of the head, 22:6910
  Pituitary content of somatotropin, gonadotropin, and thyrotropin in rats with stunted linear growth following head x-irradiation, 22:40539
MOSIER, S. R. Ionospheric observation of vlf electrostatic noise, 23:42045
MOSIER, Stephen R. Color spectrograms of very-low-frequency Poynting flux data, 25:30370
  Measurements of Poynting flux, 24:5084
  Poynting flux studies of hiss with the Injun 5 satellite, 25:22414
  Prog. rpt. on electric and magnetic fields observed in auroral zone, 1/69, 23:44241 (AD-684439)
  Prog. rpt. on observations of vlf electric and magnetic fields with Injun 5 satellite, 4/69, 23:44247 (AD-688440)
  Prog. rpt. on vlf measurements of Poynting flux along geomagnetic field, 4—6/69, 24:5041 (AD-691831)
  Prog. rpt. on vlf measurements of Poynting flux along geomagnetic field, 1/70, 24:32724 (AD-700931)
  Very low frequency electric and magnetic fields observed in auroral zone with Javelin 8.46 sounding rocket, 23:36585 (N-69-24519)
  Very-low-frequency Poynting flux measurements, 25:16949
  Vlf electric and magnetic fields, 23:44335
  vlf electric and magnetic fields observed in auroral zone, 23:42060
MOSIER, Stephen Russell Poynting flux along the geomagnetic field, 25:11780
MOSIN, A. F. Anaerobic fermentation and postirradiation recovery of yeast, 22:26004
  Antagonistic action of iodacetate and ethanol on the recovery in yeast, 25:35251
  Dependence of postradiation recovery on the content of high-energy compounds in gamma-irradiated cells and the incubation medium, 24:12324
  Effects of inhibitors of oxidative and substrate phosphorylation on ATP synthesis and repair in γ-irradiated yeasts, 24:8020
  Interchangeability of processes of respiration and fermentation in the postirradiation recovery of yeast organisms, 22:25871
  Mechanism of inhibition of post-irradiation recovery of yeast by ethyl alcohol, 21:36765
  Modification of survival of irradiated yeast by ethanol treatment. I, 25:29722
  Modification of survival of irradiated yeast by ethanol treatment. II, 25:39956
  Mutual influence of bacteria E. coli B and E. coli B/sub S-1/, 24:12335
  Oxygen consumption of yeast cells during postirradiation recovery, 22:26001
  Survival of irradiated yeast, bacteria, and phages under postradiation conditions, 23:41512
  Synthesis of ATP and recovery from damage in uv- or γ-irradiated yeast, 23:20431
MOSIN, V. A. Chromatography of native and γ-irradiated lysozymes on dense gels, 24:22759
MOSINSKI, G. Mean number of prompt neutrons and relative cross-sections for fission of ^{235}U and ^{239}Pu between 0.3 and 1.4 MeV, 25:15114
  Measurements of (n,2n) and (n,3n) reaction cross-sections of fissionable materials using a large liquid scintillator, 25:15111
  Range—energy relations of low-velocity heavy ions in plastic visual detectors, 23:36471
  Research report on measurement of average number of prompt neutrons, 25:20373 (LIB/Trans-300)
MOSKALENCO, V. A. Mixed state of the two-band superconductors near the lower critical field, 22:17590
MOSKALENKO, A. M. Distribution of concentration and density of particle flux in vicinity of small body moving in rarefied plasma, 21:39908
  Disturbed zone in vicinity of large charged body traveling slowly in plasma, 25:47418
  Drag on bodies moving in a rarefied plasma, 21:24964
  Particle distribution and the electric field in the vicinity of a body moving slowly in a rarefied plasma, 24:8464
  Structure of the disturbed zone in the vicinity of a cylindrical body in plasma, 21:5249
MOSKALENKO, I. P. Investigation of disturbances of protein synthesis in microsomal systems during acute radiation sickness, 23:4875
  Participation of "acid" deoxyribonuclease (DNA-ase II) in initial biochemical mechanisms of action of ionizing radiation on animals, 21:34595
MOSKALENKO, S. A. Infrared absorption by excitons due to photoionization and lattice scattering, 21:2300
MOSKALENKO, V. A. Absorption of ultrasound in two-zone superconductors with nonmagnetic impurities, 25:49838
  Coulomb interaction in a superconductor model of two zones, 21:9483
  Current flow in a single zone superconductor with paramagnetic impurities, 24:6203
  Density of electron states for superconductor with small concentration of paramagnetic impurity, 25:33176
  Determination of thermodynamic critical magnetic field of two-zone superconductor, 24:8119
  Effect of paramagnetic impurities in superconductors with current, 24:8408
  Electrodynamics of two-zone superconductors, 22:19916
  Investigation of the magnetic properties of double-band superconductors in the vicinity of the upper critical field, 21:3796
  Localization of spins in two-zone superconductor, 24:8411
  Localized magnetic states in two-band superconductors, 22:41509
  Paramagnetic impurities in superconductors, 23:25271
  Persistent currents in a superconductor with paramagnetic impurities, 22:41512
  Persistent currents in dirty two-band superconductor, 23:25261
  Studies of quantum theory of multi-particle systems, 24:8549
  Thermodynamics of two-band superconductors with non-magnetic impurity, 21:37381
  Tunnel effect between two-zone superconductors with nonmagnetic impurities, 22:48040
  Tunneling effect between two-zone superconductors with nonmagnetic impurities, 22:29436
MOSKALENKO, V. F. Excitation of helium—krypton mixture, 21:29210
  Xenon-level population inversion in positive column of He—Xe mixture, 22:5065
MOSKALENKO, V. N. Calculation of the statistical characteristic of the stochastic temperature field in plates during turbulent heat exchange, 22:21277
MOSKALEV, A. N. Capture of thermal neutrons by deutrons in the theory with the zero range approximation, 22:32480
  Effects of parity nonconservation at capture of thermal neutrons by deuterons, 23:18946
  Electromagnetic radii of tritium, 23:8928
  Parity nonconservation and reaction $n + d \rightarrow \gamma + H_3$, 22:53081
  Weak interactions in three-nucleon systems, 23:13203
MOSKALEV, I. I. Radiocancerogenesis and the problem of restoration, 21:16486
MOSKALEV, I. N. Influence of the first grid on the characteristics of a multigrid energy analyzer, 24:49124
  Open barrel-shaped cavities for plasma diagnostics, 25:22490
  Plasmascope: its operational features, 23:36662
  Use of a multigrid probe in a plasma with directed flow, 25:22494
MOSKALEV, J. I. Radionuclide transfer through placenta, 24:23074 (CONF-690501-, pp 153-60)
MOSKALEV, O. B. Possibility of the existence of a number of stationary neutron distributions in a nuclear power reactor, 22:6139
  Singly scattered neutron flux from a point source in an infinite medium, 25:25623
  Solutions for quasi-linear steady state equations for neutron diffusion in plane layers, 23:40449
MOSKALEV, P. N. Synthesis of phthalocyanines of some heavy metals, 21:19601
  Szilard—Chalmers reaction in the divalent cobalt phthalcocyanine, 22:2102
MOSKALEV, S. S. Neutron spectrometer for indentification of nuclear levels according to incoming neutron orbital momentum, 21:16183
  Study of ^{117}Sn neutron cross sections, 23:47024
  Time-of-flight spectrometer for measurement of scattering neutron cross-sections, 24:27395
MOSKALEV, V. A. High-current betatron and stereobetatron, 23:49260
  High-intensity 25-MeV betatron, 21:42497
  Transverse instability of an intensive electron beam in a betatron, 24:40518
MOSKALEV, V. I. Heat exchange and temperature control system for the 2-meter liquid hydrogen bubble chamber, 25:29376
  System of heat-exchange and thermostabilization for 2-meter liquid-hydrogen bubble chamber of ITEF, 25:421 (ITEF-734)
MOSKALEV, V. V. Short-range magnetic ordering in RbNiF$_3$ above the Curie point, 22:1321
MOSKALEV, Y. I. Biological action of ^{237}Np nitrate, 25:42253
MOSKALEV, Yu. I. Accumulation-elimination of ^{137}Cs in adult dogs, 25:23957 (AEC-tr-7195, pp 80-6)
  Behavior of ^{99}Mo in rats, 25:23969 (AEC-tr-7195, pp 186-91)
  Behavior of Ce, Sr, Y, Ce, Zr, Nb, and Ru in the organism upon their inhalation by rats, 22:8476
  Behavior of cesium, strontium, yttrium, cerium, zirconium, niobium, and ruthenium in rats, 25:6610 (AEC-tr-7169, pp 67-123)
  Behavior of colloidal ^{198}Au in the body, 25:23971 (AEC-tr-7195, pp 197-208)
  Biological action of ^{210}Po, 21:4865
  Biological action of 120-MeV protons, 22:28645
  Biological action of 240-MeV protons, 21:13050
  Biological effect of the intratracheal injection of ^{210}Po, 22:49502
  Biological effects of ^{241}Am, 24:556
  Biological effects of radioactive isotopes, 23:18115
  Blastogenic action of 120-MeV protons, 21:13049
  Blastomogenic effect of 120-MeV protons, 21:16481
  Combined effect of ^{90}Sr, ^{144}Ce and ^{239}Pu on rat organism (report 1), 23:22382 (AEC-tr-6944, pp 441-52)
  Distribution and biological effect of radioactive isotopes, 22:8644
  Distribution and biological effects of radioactive isotopes, 23:22150 (AEC-tr-6944)
  Distribution and biological effects of radioactive isotopes, 24:39418 (AEC-tr-6944(Rev.))
  Distribution effect of ^{241}Am, 22:47473
  Distribution of ^{226}Ra following injection, 25:32337
  Distribution of ^{228}Ac following injection, 25:32336
  Distribution of ^{86}Rb, 25:32335
  Distribution of radioactive rare-earth elements, 25:32345
  Distribution patterns for radioactive rare-earth elements, 24:36713 (ANL-Trans-832)
  Dose-effect relationships for 120-MeV protons observed during long-term experiments, 22:23668
  Early blood reactions to the effect of x-rays and protons, 22:15078
  Effect of pathway of administration on behavior of colloidal gold (^{198}Au) in organism of white rats, 23:22155 (AEC-tr-6944, pp 44-53)
  Experimental study of the relative biological effectiveness (RBE) of tritium oxide, 25:593
  Influence of BCG vaccine on gamma-irradiated rats, 21:20350
  Influence of irradiation on appearance of breast tumors in rats, 23:29794
  Influence of ovariectomy on irradiated rats, 21:22690
  Kinetics of accumulation of ^{90}Sr, 22:49246
  Kinetics of uptake and elimination of ^{90}Sr, 22:6754
  Late injuries from low-dose irradiations, 22:38483
  Low doses of radiation and remote effects, 22:31239
  Maximum permissible concentrations of tritium oxide in air, 24:31972
  Measurement units in radiation dosimetry and safety, 22:49372
  Measuring units for ionizing radiation dosimetry and radioprotection, 21:41407
  Morphological changes in rats after injection of ^{241}Am, 25:10942
  Permissible levels of tritium oxide administration into the organism, 22:45543
  Problem of relative biological efficacy of tritium oxide, 25:13551
  Problems of distribution and experimental evaluation of permissible levels of ^{137}Cs, ^{90}Sr, and ^{106}Ru, 23:4902
  Problems of distribution and experimental evaluation of permissible levels of ^{137}Cs, ^{90}Sr, and ^{106}Ru, 23:11940 (AEC-tr-6972)
  Problems of distribution and experimental evaluation of permissible levels of ^{137}Cs, ^{90}Sr, and ^{106}Ru, 24:23128 (AEC-tr-7126)
  Problems of plutonium toxicology, 25:8594 (LF-tr-41)
  Problems of Pu toxicology, 23:35606
  Radiation safety norms (NRB-69), 24:48583
  Radioactive isotopes and the body, 25:23946 (AEC-tr-7195)
  Radiobiological experimentation and man, 25:24438
  Radioisotopes and organisms, 24:573
  Radioisotopes in the external environment and in organisms, 25:24010
  Recommendations concerning the maximum permissible tritium oxide concentrations in the atmosphere of industrial premises, 25:8678 (ORNL-tr-2403)
  Remote sequelae following injuries inflicted by ^{131}I, 22:45693
  Remote sequelae of radiation damage, 25:24225 (AEC-tr-7195, pp 439-58)
  Strontium-90 buildup in body of dog, 25:23947 (AEC-tr-7195, pp 12-18)
  Time factor in injection with ^{144}Ce and ^{239}Pu, 25:24323 (AEC-tr-7195, pp 339-46)
  Tritium oxides, 23:4881
MOSKALEV, Yu. N. Combined effect of ^{90}Sr, ^{144}Ce and ^{239}Pu on rat organism (report 2), 23:22383 (AEC-tr-6944, pp 453-62)
MOSKALEV, Yuri I. Late effects of radionuclide damage, 23:38794
MOSKALEVA, L. P. Production of ^{18}F fragments from Si, 25:5663
  Spallation of nuclei F, Mg, Al, Si with fragments, induced by high-energy protons, 23:39971
MOSKALEVA, N. V. Phase composition and some properties of alloys of the system molybdenum—chromium—boron, 24:10183
MOSKALEWSKI, S. Lyophilized and radiosterilized bone grafts in dogs, 24:934
  Radiosterilization of preserved tissues, 22:52093
MOSKALEWSKI, Stanislaw Sterilization of grafts by ionizing radiation, 23:29951
MOSKO, S. W. Advanced accelerator development, 22:35175 (ORNL-4217, pp 119-39)
  Experimental separated-orbit cyclotron (4 MeV), 21:38091
  Four-MeV experimental S.O.C.: design details, 22:41906 (RHEL/M-124, pp 269-84)
  Four-MeV experimental S.O.C.: review, 22:41896 (RHEL/M-124, pp 133-44)
  Heavy-ion accelerator facility featuring a separated-sector isochronous cyclotron, 25:31084
  High performance heavy-ion source for cyclotrons, 25:33898 (ORNL-TM-3391)
  Recent progress on a supercurrent separated orbit cyclotron, 21:29763
  Rf power system for the separated-orbit cyclotron experiment, 21:38025
  Rf system for a proposed heavy ion cyclotron, 25:31095
  Separated-orbit cyclotron (4 MeV), 23:28044
  The 4-Mev experimental SOC: design details, 21:993 (ORNL-P-2358)
MOSKOVETS, S. N. Radiation effect on x-virus accumulation and potato development, 24:27718
MOSKOVKIN, V. M. Influence of low-level collective states with negative parity structure of dipole resonance, 24:8938
  Influence of spin—orbital splitting on the dipole resonance structure in atomic nuclei, 22:7748
  Nature of the width of the dipole resonance in photonuclear reactions, 21:2721
  Quasi-stationary single-particle states in ^{208}Pb, 21:2719
  Reaction (γ,p) mechanism for nucleus ^{208}Pb, 22:42089
  Spin-orbital splitting and spin-wave resonance in heavy nuclei, 22:24866
MOSKOVSKAYA, N. V. Effect of ionizing radiation of the functioning of the vestibular analyzer, 21:32742 (N-67-13790)
  Influence of the size of irradiation fields in gamma-therapy of malignant nasopharyngeal tumors, 23:29527

MOSKOWITZ, D. High strength tungsten carbides, 25:55631
MOSKOWITZ, P. A. Nuclear magnetic moments of ^{193}Hg, /sup 193m/Hg, /sup 195m/Hg, and /sup 197m/Hg, 25:50764
MOSKOWITZ, R. Nonmechanical torque-driven flow of a ferromagnetic fluid by an electromagnetic field, 22:2892
MOSKVIN, A. I. Complex compounds of transuranides, 22:37755
Complex formation by Np(IV) and Pu(IV) in nitrate solutions, 25:37341
Complex formation of actinides with anions of acids in aqueous solutions, 24:9309
Complex formation of Pu(IV) in sulfate solutions, 25:34563
Complex formation of tetravalent thorium and uranium in phosphate solutions, 22:12283
Complex formation of trivalent plutonium, americium, and some rare earth elements, 22:27682
Question of complex formation of U(VI) and Np(IV) with H peroxide and of Np(IV) in oxalate solutions, 22:30580
Solubility product of uranyl phosphate. Composition and dissociation constants of uranyl phosphate complexes, 22:12320
Thorium oxalate solubility composition and dissociation constants for thorium oxalate complexes in aqueous solutions, 21:19621
MOSKVIN, A. S. Exchange interactions and superconductivity of lanthanum with rare-earth impurities, 24:40028
MOSKVIN, L. N. Alpha decay of ^{225}Ac, ^{221}Fr, and ^{217}At, 22:9865
Beta$^-$ decay of ^{182}Ta, 21:25548
Beta$^-$ spectrum of ^{182}Ta with energies over 600 keV, 21:5536
Coincidence of conversion electrons in ^{135}Ce decay, 21:2745
Decay ^{83}Sr, 23:10987
Decay of ^{70}As, ^{71}As, and ^{72}As, 22:35284
Decay of ^{75}Br, 25:31257
Distribution-chromatographic methods for separating Mo, W, and Re, 22:4246
Energy measurements of main ^{225}Ac α-groups, 22:18222
Gamma emission from ^{66}Ga, ^{67}Ga, and ^{72}Ga, 22:37317
Gamma emission from ^{81}Rb, ^{82m}Rb, ^{82}Rb, ^{83}Rb, and ^{84}Rb, 22:35283
Gamma radiation of ^{69}Ge, 22:20500 (JINR-P6-3698)
Gamma spectra of ^{205}Bi, ^{206}Bi, ^{203}Bi, and ^{204}Bi, 24:18441
Group separation of fission products by chromatographic method, 25:20930
Investigation of the α spectrum of ^{225}Ac, 21:27584
Na, K, Mg, and Ca salts influence on extraction of Ce and Y into HDEHP from acid solution, 22:42844
Preparation of ^{234}Th(UX$_1$) by distributive chromatography, 24:9383
Separation of actinium and radium from thorium target irradiated by 660 MeV protons, 22:33516
MOSKVIN, V. V. Color centers in alkali halide crystals, 24:24120
Visualization of color centers in alkali metal halide crystals, 23:30620
MOSKVIN, Yu. L. Excitation of magnetosonic resonance in plasma cylinders, 24:51757
Geomagnetic micropulsations and the solar wind, 21:46238
Magnetohydrodynamics of the earth's exosphere, 21:46228
Plasma parameters in strong magnetic field with aid of double electric probes, 23:34386 (AD-683090)
MOSKVIN, Yu. V. Emissive properties of some gases in high temperature range from 6000 to 12000°K, 22:44125
MOSKVINA, Z. V. Homomolecular and isotopic exchange of oxygen on lanthanum oxide, 22:33315
Kinetics of homomolecular isotopic exchange of oxygen on samarium oxide, 23:7531
MOSKVITIN, A. I. Behavior of foil specimens of NT-type alloys in external magnetic field, 25:36052
Developing magnetohydrodynamic generators, 22:34323 (AD-661771)
Processes of superconducting solenoid into state with normal conductivity, 25:36078
MOSKVITIN, E. V. Combined exposure of Chlorella to vibration and γ irradiation, 25:52254 (JPRS-53801, pp 133-6)
Effects of gamma radiation on Chlorella, 25:49315
MOSLEY, John R. Reaction kinetics of uranium and deuterium, 24:25044
MOSLEY, R. B. Electrical conduction and dielectric breakdown in thin evaporated layers of several rare earth oxides, 22:24400 (CONF-670502-, pp 591-602)
MOSLEY, W. C. B-type ^{244}Cm$_2$O$_3$: candidate isotopic power fuel, 23:13948 (DP-MS-67-104)
Fission-fragment autoradiographic technique for detecting ^{244}Cm, 22:10513
Preparation of industrial ^{252}Cf neutron sources at Savannah River Laboratory, 25:50600 (CONF-710402-(Vol.2), pp I.72-83)
Self-radiation damage in ^{244}Cm oxide and aluminate, 25:13779 (DP-MS-70-44)
Studies of mixed actinide oxides, 25:11521
MOSLEY, W. C. Jr. Fission-fragment autoradiographic technique for detection of ^{244}Cm, 21:35883
MOSNY, J. Electroslag welding of heavy sections, 25:40003 (IAEA-117, Paper 7)
MOSNY, M. Manufacture of end closures for large pressure vessels, 21:41068
MOSOLOV, A. N. Fluorescence of fibroblasts after x-irradiation, 24:25551
MOSOLOVA, V. A. Numerical method for asymptotic solution of the one-velocity transport equation, 23:46533
MOSORA, Florentina Photodynamic action of proflavine on a few proteins, 24:48416
MOSPANOV, V. S. Primary extinction at resonant scattering of γ-rays, 21:42714
MOSS, A. J. Jr. Cyclic ^{32}P labeling of DNA in irradiated L cells, 24:21073
Cyclic labeling of mammalian cell DNA after x-irradiation, 24:4571
Effects of radiation on L cells, 24:32145
Energy dependent nucleolytic processes are responsible for production of many post-irradiation breaks in L cell DNA, 23:38478
Modification of the radiation effect on catalase by selenium, 21:14600
Radiation induced breaks increase the priming activity of rat sarcoma DNA in the DNA polymerase reaction, 24:31860
Radiation produces breaks in L cell and mouse liver DNA, 23:26692
Radioprotective effect of dimethylsulfoxide, 21:30850
Studies on the molecular mechanism of the radioprotective effect of serotonin, 21:14687
MOSS, Alfred Jefferson The influence of energy deprivation on the repair of radiation induced DNA damage, 25:18908
MOSS, B. R. Effects of ^{131}I thyroid irradiation damage, 23:26677
MOSS, Buelon Rexford Effects of thiocyanate on iodine metabolism in bovine, 24:7725
MOSS, C. Decay schemes of ^{18}Ne, ^{22}Mg, and ^{38}Ca, 23:49325 (AD-690246)
Decay schemes of ^{18}Ne, ^{22}Mg, and ^{38}Ca, 24:35835
Study of reaction ^{36}Ar(^{3}He,n)^{38}Ca, 23:23664
MOSS, C. E. Angular correlation study of low-lying levels of ^{29}P, 25:12480
Beta decay of ^{23}Mg, ^{27}Si, ^{31}S, ^{35}Ar, and ^{39}Ca, 25:22990
Beta decay of ^{25}Al and ^{37}K, 25:45984
Comparison between the (^{3}He,^{7}Be) α-pickup reactions on ^{40}Ca and ^{40}Ar, 25:50683
Determining mean range of alpha particles in water, 24:29609
Distorted-wave Born-approximation analysis of (p,t) transitions in Ti isotopes, 24:52543
Energy levels of ^{33}S and ^{33}Cl, 24:52538
Excitation energies of levels in ^{31}P, 23:15420
Excitation energies of levels in ^{34}S, 23:5852
Excitation energies of levels in ^{33}S, 23:34766
Isospin purity at high excitation energies, 25:28190
Mean lifetime of the 2.94-MeV level in ^{33}S, 24:49826
Mean lifetimes and branching ratios of low-lying levels in ^{33}S, 24:18398
Non-existence of a level at 1.35 MeV in ^{33}S, 21:42574 (AD-645244)
Non-existence of a level at 1.35-MeV in ^{33}S, 21:23458
Reaction ^{19}F(^{3}He,^{6}Li)^{16}O at 40 MeV, 25:36674
Spins of levels in ^{31}P and ^{34}S, 24:38151
Spins of levels in ^{31}P, 22:53144
MOSS, Calvin Elroy Nuclear energy levels of ^{33}S and ^{33}Cl, 23:13256
MOSS, D. A. Technology of sodium cooled fast reactor fuel in the US, 22:18511
MOSS, D. L. Influence of a poloidal magnetic field on convection in stellar cores, 24:23587
Influence of inhibition of convection on pre-main sequence stellar evolution, 23:6805
Structure of W Ursae Majoris systems, 24:42338
MOSS, DeWitt Reviews of status of technology of fast reactor fuels, 22:16330
MOSS, E. Recording system with a wide dynamic range and good time resolution, 23:22040
MOSS, Eugene C. Discrepancies of film badges, 25:26537
MOSS, F. Free-ion mobility in He II using field-emission points, 25:19587
MOSS, F. E. Search for excess electron photo-ejection in liquid He, 25:5060 (NP-18484)
University of Virginia superconducting wind-tunnel balance, 25:14216
MOSS, Frank Trapping of negative ions in turbulent superfluid helium, 24:3278
MOSS, G. A. Elastic scattering of protons from ^{40}Ca at 21.0, 23.5, 26.3, and 48.0 MeV, 25:31295
Gamma-ray spectrum of ^{99}Ru, 21:46754
Reaction ^{40}Ca(d,p$_1$)^{41}Ca$^{1\ 95}$, 24:52516
Reaction D(p,2p)n, 24:43115
Search for excited levels in ^{3}He, 24:52417
Search for Mott—Schwinger polarization in elastic proton scattering, 25:53790
MOSS, G. F. Estimation of moisture content by neutron scattering, 21:4459
MOSS, G. H. Automatic counter for proton tracks in nuclear emulsions, 23:26581 (AERE-R-5876)
Automatic counter for proton tracks in nuclear emulsions, 23:43608
MOSS, Gerald Allen Gamma-ray spectrum of ^{99}Ru, 21:42673
MOSS, H. Prog. rpt. on materials for thermoelectric power generation, semiannual, 2/68, 22:24091 (NYO-3886-1)
MOSS, H. Donald Limits of error model for PuO$_2$ + UO$_2$ fuel fabrication inventory, 25:32168 (CONF-700541-, pp 140-52)
MOSS, H. I. Improved compatible materials for thermoelectric power generation, 23:16694 (NYO-3886-2)
Improved compatible materials for thermoelectric power generation, 23:30142 (NYO-3886-3)
Improved compatible materials for thermoelectric power generation, 24:3001 (NYO-3886-4)
MOSS, H. M. Thermoluminescence authenticity testing of some six dynasties figures, 24:36395
MOSS, Harold M. Radiation-induced hydrogen transfer in nucleic acids, proteins, and related substances: effects of temperature and scavengers, 25:41837
MOSS, J. A. Gamma irradiation: preservation of hides and skins, and sterilization of imported dry and drysalted goatskins, 22:21644
MOSS, J. M. Inelastic scattering of 24.5 MeV polarized protons from ^{152}Sm, 25:25788
Spin flip in the inelastic scattering of 19.6-MeV protons from ^{54}Fe and ^{56}Fe, 24:13333
Y$_{40}$ components in the equilibrium nuclear shapes of ^{232}Th and ^{238}U, 25:46023
MOSS, J. S. Magnetic field sweep for superconducting magnets, 22:5292
MOSS, Jefferey Polymer production in γ radiolysis of methane in liquid argon, 23:9438
MOSS, Joel Energy resolution in cyclotron experiments, 21:4153 (UCRL-17124)
MOSS, Joel M. In-beam proton-gamma ray coincidence studies using large coaxial Ge(Li) detector, 23:42871 (UCRL-18902)
MOSS, Joel Marshall In-beam proton—gamma ray coincidence studies using a large coaxial Ge(Li) detector, 25:5673
MOSS, L. I. Analysis of SNAPTRAN-1 and -2 reactor kinetics experiments, 21:35648 (NAA-SR-11850)
Autocatalysis and/or pressure histories in FBR excursions, 24:16305 (BNL-50117, pp 55-76)
Pressures and densities within the expanding SNAPTRAN-2 reactor, 22:6079
MOSS, M. Filament-reinforced ceramics: fabrication and testing, 24:36971 (SC-DR-70-365)
MOSS, M. K. Conservation laws in general theory of relativity. III, 24:10846
Energy and momentum in general relativity, 23:1688
MOSS, Marvin Mechanical properties of Al—V alloys, 23:22506
MOSS, Marvin K. Prog. rpt. on characteristics of pulsed laser crystals as a function of gamma irradiation, I, final, 10/8/65—12/7/66, 21:46024 (AD-650120)
MOSS, Owen R. Production of relatively monodisperse aerosols for inhalation experiments by aerosol centrifugation, 25:54982
MOSS, R. Hydrolysis of uranium—plutonium carbide after neutron irradiation to high burn-up, 24:2231
MOSS, R. E. Reduction of Dirac equation to nonrelativistic form, 25:56391
MOSS, R. W. Application of sputtering to the fabrication of neutron detector anodes, 22:2587 (BNWL-553)
MOSS, Richard A. Application of neutron radiography to heat-pipe diagnostics, 22:4375
Neutron radiographic study of limiting planar heat pipe performance, 24:36469
MOSS, Richard Alan Neutron radiographic examination of vapor bubble formation, 23:31497
MOSS, S. C. Effect of O on attenuation of Nb, 23:27075
MOSS, S. J. Minimum variance technique for the analysis of ionospheric data acquired in satellite retarding potential analyzer experiments, 22:36845
MOSS, Samuel J. Evolution of a plasma puff in a longitudinal magnetic field, 21:3836 (N-66-28485)
MOSS, Shirley A. Radioprotection of rodents with papain, 23:41344 (AD-688374)
MOSS, T. A. 300-kWe Rankine cycle advanced nuclear—electric space power system, 25:44173
Modulation of galactic protons by the solar wind, 25:40400
Pi$^-$ + p $\rightarrow$ eta + n reaction near threshold and resonant states of the π^- + p system, 22:5587
Space-power-system material compatibility tests of selected refractory metal alloys with boiling potassium, 21:30968
MOSS, Thomas A. 300-kW Rankine-cycle advanced nuclear—electric space-power system, 24:16257 (N-70-11975)
Materials technology presently available for advanced Rankine systems, 21:14832
Potassium Rankine system materials technology, 21:4938 (NASA-SP-131, pp 169-99)
MOSS, Ursula R. Determination of strontium in environmental media, 22:10192
MOSS, W. D. Analysis of distillates for tritium using linear regression, 25:51388 (LA-DC-12552)
Effect of an evaluated Fe and protein diet on Pu excretion in urine, 23:35616
Study of the variations found in plutonium urinary data, 24:564
MOSS, William Radiation therapy in the treatment of carcinoma of the prostate, 25:29597
MOSS, William D. Characteristics of the aerosol produced from burning sodium and plutonium, 21:44882
MOSS, William T. Effect of irradiation on tumor-infused lymph nodes, 24:21289
Radiotherapy in treatment of brain tumors, 21:34691
Therapeutic radiology, 21:20313
Tumor bed effect of ionizing irradiation, 23:35833
MOSSE, A. Movie films of cavitation in superfluid helium, 24:45195
MOSSE, Acher Dynamics of bubbles in sound fields at low temperatures, 24:3274
MOSSE, I. B. Combined effect of x radiation and indene compounds, 25:32387
MOSSE, Pierre Stereoscopic telescope for the remote viewing, 23:33305
MOSSEL, D. A. A. Comparative study on decontamination of mixed feeds by radicidation and by pelletisation, 22:28726
Irradiation as a tool in food and feed technology, 22:47659
Need of preliminary revivication for counting of enterobacteriaceae in dehydrated foods, 21:28687
Salmonella radicidation of dry mixed feeds and feed ingredients, 24:48789
Salmonella radicidation of some foods and feeds, 24:34829
Scaling-up of salmonella radicidation of frozen boneless meats, 25:29729 (IAEA-R-491-F)
Use of irradiation to destroy enteropathogenic bacteria, 24:2841
MOSSELMANS, G. Cleaning and decontamination of clothes, 23:14155 (EUR-4187)
Management of radioactive waste at Ispra, 25:21366
Microbial degradation of aromatic hydrocarbons used as reactor coolants, 25:2327
Selection of abrasives and additives for decontamination by wet abrasive blasting, 23:14154 (EUR-4186)

  Solubility of terphenyls and OM_2 mixtures in pure and technical solvents, 23:33168 (EUR-4228)
  Treatment of weakly radioactive solid wastes of the CCR EURATOM center at Ispra, 24:25253
  Treatmentof weakly radioactive solid waste at C.C.R. Euratom facility at Ispra, 22:30645 (CONF-670965-1)
MOSSER, A. Study of low-energy electron guns, 21:26997
MOSSER, G. Immune responses and lymphoid tissues of neonatally thymectomized, x-irradiated mice, 25:21605
MOSSHOLDER, Nelson Vance Spectroscopic properties and analytical applications of premixed oxygen—hydrogen flames, 25:37267 (IS-T-429)
MOSSMAN, K. L. Actinomycin D in radioprotection and radiosensitization in Tetrahymena, 25:58091
MOSSON, G. A. G. Ionization and acceleration of hydrogen clusters, 25:30253 (EUR-4593, pp 51-8)
MOSSON, Gordon Alfred George Improvements in or relating to electric switches, 22:6254
MOSSOP, G. M. Advanced level atomic physics, 22:43902
MOSSOP, I. A. Fine structure in unirradiated AGR lattices, 22:22762
  Irradiation dependent characteristics of AGR fuel, 22:22774
MOSSOTTI, Victor G. Atomic emission characteristics of a premixed acetylene—nitrous oxide, total consumption flame, 22:37663
MOST, H. Protective immunity produced by the injection of x-irradiated sporozoites. IV, 24:2583
  Protective immunity produced by the injection of x-irradiated sporozoites. V, 24:2582
  Specificity of protective immunity produced by x-irradiated P. berghei sporozoites, 23:31677
MOST, Harry Immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei. II, 25:29727
  Protective immunity of x-irradiated sporozoites of P. berghei. II, 23:29723
MOSTAFA, H. F. Disposition and distribution of Sb in bilharziasis using injections and oral drugs. VI, 22:25318
MOSTAFA, I. Y. Comparative studies of liquid scintillation counting of aqueous ^{14}C samples, 24:41221
  Cytogenetic studies on effect of chronic gamma irradiation on Vicia faba, 25:18950
MOSTEK, P. Forward scattering of GeV protons from C and W, 21:21129
  High-energy photoproduction of rho° mesons, 23:14951
  High-energy photoproduction of rho° mesons, 23:16925
  Incoherent photoproduction of rho° mesons from complex nuclei, 23:44584
  New feature in photoproduction of pion pairs, 22:22287
  Photoproduction of phi mesons from carbon at 1800 MeV, 22:26551
  Photoproduction of phi° mesons from hydrogen, deuterium, and complex nuclei, 25:38640
  Photoproduction of rho mesons, 24:40237
  Photoproduction of rho° mesons from complex nuclei, 23:14952
  Photoproduction of rho—mesons and other pion pairs, 24:8557
  Photoproduction of wide-angle electron pairs from carbon, 21:17025
  Search for mesons suggested by Veneziano model, 23:49029
MOSTEK, Paul Joseph Photoproduction of phi mesons from carbon at 1800 MeV, 23:42534
MOSTELLER, Lawson P. Jr. Optical properties and electronic band structure of zinc, 22:10159 (UCRL-50307)
MOSTEPANENKO, V. Existence of atoms in n-dimensional space, 25:36362
MOSTERT, P. General and physical aspects of Dodewaard Nuclear Power Plant, 24:9073
  Nuclear power plant at Dodewaard, 21:10141
  Some aspects of the fuel management in a nuclear reactor, 24:52946
MOSTERT, Pieter Control device for nuclear reactors, 21:2904
  Nuclear reactor control, 21:5645
MOSTIN, N. Evaluation of the efficiency of safeguard measures for fabrication plants and reactors, 25:21304
  Reprocessing of plutonium wastes on ion exchange columns, 23:38075
MOSTINSKII, I. L. Conversion of K_2CO_3 into $KHCO_3$ in gas loop of MHD generator, 25:7213
  Optimum concentration of admixtures ionized in high-energy MHD generators, 22:52573
  Use of turbulent washer for removal of ionizing additive in MHD generators, 25:2939
MOSTOFI, F. K. Kidney, 25:29698
MOSTOFI, K. F. Distribution of ^{65}Zn in castrated and hypophysectomized rats, 24:4551
MOSTOVA, R. S. Reactivity of the organism in combined action of ultraviolet and long-wave roentgen radiation, 22:43445
MOSTOVAYA, T. A. Fission ^{235}U cross-section in energy region 0.8 to 170.0 eV, 22:18206 (IAE-1302)
  Method of direct measurement of the capture-to-fission cross-section, 25:15076
  Method of direct measurements of the capture cross section ratio to the fission cross section, 25:34072 (IAE-1985)
MOSTOVOI, B. I. Time-dependent neutron thermalization in water, 22:29888
MOSTOVOI, G. E. Influence of purity and stability of the environment on the long-term strength and creep of refractory alloys, 25:22087
MOSTOVOI, V. I. Experimental study of the neutron thermalisation process in time in hydrogenous moderators, 22:48412 (AERE-Trans-1088)
  Inelastic neutron scattering in graphite, 22:30377
  Measurement of neutron spectra in graphite—water system with a temperature discontinuity, 23:43164
  Method of direct measurement of the capture-to-fission cross-section, 25:15076
  Method of direct measurements of the capture cross section ratio to the fission cross section, 25:34072 (IAE-1985)
  Neutron spectra in a two-zone graphite—water system, 22:29877
  Neutron thermalization in a graphite—water system at large temperature gradients, 22:22828 (AERE-Trans-1085)
  Neutron thermalization process in time in graphite and beryllium, 22:26765 (AERE-Trans-1084)
MOSTOVOI, Yu. A. Angular correlation between neutron spin and electron momentum in decay of polarized neutrons, 25:43532
  BSB Fe-free single turn synchrotron, 21:15449
  Double thermal-neutron polarizer, 25:22955
  Measurements of angular correlation of neutron spin and antineutrino momentum in the decay of polarized neutrons, 25:36385 (IAE-1947)
  Neutron spin and antineutrino momentum in neutron decay, 25:5258
  Neutron spin—anitneutrino momentum correlation in decays of polarized neutrons, 25:7543
  Search for three-vector correlation in polarized neutron decay, 24:35601
  Search for three-vector correlations in decay of polarized neutrons, 24:51903 (AEC-tr-7156)
  Search for violation of T-symmetry in β decay of polarized neutrons, 22:52929
  Single-revolution injection system of the BSB Fe-free synchrotron, 21:15446
  Single-turn injection system for BSB iron-free synchrotron, 22:18045 (NP-17324)
MOSTOVOY, V. I. Inelastic scattering of neutrons in graphite for various temperatures, 22:20416 (JPRS-43682, pp 81-105)
  Neutron spectra in a two-region graphite-water system, 22:20418 (JPRS-43682, pp 123-36)
  Study of neutron thermalization in water at different times, 22:20421 (JPRS-43682, pp 165-78)
MOSTOVOY, Yu. A. Time-parity violation in beta decay of polarized neutrons, 22:50286
MOSULISHVILI, L. M. Blood Au levels in patients with jaundice, 23:20089
  Investigation of trace quantities of atoms of certain heavy metals in DNA and RNA by method of activation analysis, 23:49763
  Neutron activation analysis of some mineral waters of Georgia, 24:48055
  Quantitative determination of content of gold in certain faults by the neutron activation method, 24:18919
MOSZCZYNSKI, P. Influence of γ irradiation of pea seeds on thiamine biosynthesis, 22:6758
MOSZKOWSKI, S. Nuclear forces, nuclear matter and finite nuclei, 24:24670
MOSZKOWSKI, S. A. General nuclear properties with effective interactions, 24:24668
  Paraquarks, structural saturation, and hard core, 22:46465
  Properties of $N = Z$ closed shell nuclei, 24:43537
  Statistical model calculations of ^{56}Fe neutron cross section, 25:28218 (NP-18674)
  Surface delta interaction and electromagnetic transitions in tin and lead isotopes, 21:31792
  Surface delta interaction and nuclear deformations, 22:20743
  Surface delta interaction in deformed nuclei, 21:30055
  Transitions between seniority-four and seniority-two states compared to the two-phonon-one-phonon transitions, 22:35381
MOSZKOWSKI, Steven A. Nuclear structure and the nucleon—nucleon interaction, 21:37859
  Nuclear surface properties with a simple effective interaction, 24:52667
  Surface Delta Interaction in deformed nuclei, 21:1148
MOSZYNSKA, Krystyna Separation of radioisotopes from a fission products. III, 24:14035
  Separation of Y from irradiated U, 24:27202
MOSZYNSKI, J. R. Conference on thermophysical properties, Univ. of Maryland, College Park, 4/68, 22:25611
MOSZYNSKI, Jerzy Recent developments in open-cycle MHD power systems, 22:1037
MOSZYNSKI, Jerzy R. Reduction of electrical end losses in MHD generator channels by insulating vanes, 22:11291 (ANL-7188)
MOSZYNSKI, M. Application of a pulse shape selection method to coaxial Ge(Li) detector, 24:29551
  Charge collection in Si drifted detectors with inhomogeneous distribution of electric field, 23:19975
  Effect of one-phonon admixtures of the M1 and E2 transition rates in ^{125}I and ^{127}I, 22:5813 (INR-P-812/IA/PL)
  Electric field distribution in Si(Li) detectors, 24:36584
  Electromagnetic transition probabilities in ^{151}Eu, ^{149}Sm, and ^{147}Sm isotopes, 24:47645
  Multiple slow coincidence circuit with pulse shaping by saturated transistors, 22:409
  Odd parity states in ^{238}Pu, 25:12594
  Properties of 321 keV $^{9}/_{2}^{-}$ level in ^{123}Te, 22:32600
  Properties of low-energy excited states in ^{125}I and ^{127}I, 22:9894
  Properties of plastic—NaI(Tl) sum counter arrangement, 24:44282
  Quadrupole moment of K/sup π/ = 0⁺ excited state in odd ^{175}Lu, 22:3733
  Quadrupole moment of the K/sup π/ = 0⁺ excited state in odd ^{175}Lu, 22:16004 (INR-P-843/IA/PL)
  Reduction of pile-up effects in time and energy measurements, 21:6279
  Shape of pulses generated by alpha-particles in silicon drifted detectors, 23:631
  Subnanosecond timing in nuclear spectroscopy, 25:26491 (INR-1213)
  Time spreads of pulses generated by beta-particles in silicon drifted detectors, 22:23281
  Time spreads of pulses generated by β particles in silicon drifted detectors, 22:23265 (INR-P-867/IA/E)
  Timing properties of NE 111 and Naton 136 scintillators, 24:4452
  Timing properties of scintillation counters, 24:29523
MOSZYNSKI, Marek Adaptation of a long-lens beta-ray spectrometer for the measurement of short nuclear lifetimes, 25:29358
  Charge collection in silicon drifted detectors, 23:50115 (INR-972)
  High-amplification photomultiplier divider supply, 21:8649
  Measurements with semiconductor radiation detectors, 22:51225
  Precise nanosecond pulse generator, 21:17926
  Time-to-amplitude converter for the measurements of nanosecond isomers, 21:8648
  Use of semiconductor detectors for fission studies in high-energy proton beam, 22:49104
MOTA, A. C. Thermal resistance between powdered cerium magnesium nitrate and liquid helium at very low temperatures, 25:18329 (UCSD-34-P-143-35)
  Toward the superconductivity of rhodium, 25:19606
MOTAVALLEDI-NOBAR, Y. Decay of ^{183}Hf, 21:33996
MOTECA, P. Beam modulating system for the cyclotron, 21:37972
  Sweeping system for the cyclotron external beam, 23:42816
MOTEFF, J. Annealing of defect clusters in irradiated tungsten, 25:38557
  Boron determination in steel from radioinduced helium, 22:2669
  Calculation of He generated in stainless steel during reactor irradiation, 24:10112 (GEMP-721)
  Comparison of microstructure with mechanical properties of irradiated tungsten, 22:8793
  Comparison of radiation damage in molybdenum and some molybdenum-base alloys, 25:45101
  Comparison of recovery of damage in W and Mo after neutron irradiation, 23:44517
  Correlation of hot hardness with hot, ultimate tensile strength of irradiated and unirradiated Nb and Nb—1Zr, 22:31432
  Dislocation halos in an irradiated nickel-base alloy, 22:8787 (GEMP-563)
  Dislocation halos in an irradiated nickel-base alloy, 22:41079
  Effect of He gas bubbles on an austenitic alloy, 23:12385
  Effect of helium gas bubbles on the creep ductility of an austenitic alloy, 22:38590 (GEMP-607)
  Effect of radiation on heat-resistant metals and alloys, 21:9199 (GEMP-61, pp 119-32)
  Effect of radiation on refractory metals and heat resistant alloys, 22:19578 (BNWL-455, Paper 10.1-40)
  Effect of radiation on refractory metals and heat resistant alloys, 22:31418 (BNWL-532, pp 10.1-26)
  Effects of neutron irradiation on creep—rupture of W—^{25}Re alloy, 22:19603
  Effects of neutron irradiation on the plastic fatigue properties of stainless steel, 24:6226
  Effects on neutron irradiation of the mechanical properties of molybdenum, 24:6237
  Evaluation of potential selected alloys for use as fuel cladding material in an LMFBR, 23:48320 (GEMP-573(Rev.))
  Evaluations of the plastic fatigue properties of heat-resistant alloys, 21:9138 (GEMP-61, pp 133-42)
  Helium bubbles in irradiated and annealed austenitic steel, 21:43642 (GEMP-544)
  High-temperature recovery of tungsten after neutron irradiation, 23:8683
  Hot-microhardness values for metals and alloys, 24:8159 (GEMP-716)
  Influence of boron on the creep-rupture properties of a neutron irradiated precipitation hardening iron base alloy, 21:18296 (CONF-660627-14)
  Influence of elevated-temperature irradiations on the creep-rupture properties of polycrystalline molybdenum, 22:4821
  Influence of irradiation temperature on creep-rupture of Mo, 24:14853
  Influence of neutron spectrum on helium atom generation in stainless steels, 24:17325 (CONF-690910-, pp 3-23)
  Isochronal resistivity study of defect recovery in high-neutron-fluence irradiated molybdenum, 24:30389
  Monte Carlo spectrum-threshold detector data correlation in EBR-II, 23:37639
  Neutron irradiation and defect recovery of tungsten, 24:21402
  Observation of helium bubbles in an irradiated and annealed austenitic steel, 23:12377
  Plastic flow properties of W, 24:8153 (AERE-R-5944(Vol.3), pp 762-77)
  Point-defect recovery in neutron-irradiated W at 0.31 T/sub m/, 23:48969
  Radiation damage in body-centered cubic metals and alloys, 22:21746
  Radiation damage in vanadium, 22:52850 (GEMP-612)
  Radiation effects on fast reactor cladding and structural materials, 21:9198 (GEMP-61, pp 33-54)
  Radiation effects on fast reactor cladding and structural materials, 22:15225 (GEMP-1002, pp 38-64)
  Radiation effects on fast reactor cladding and structural materials, 23:6705 (GEMP-1004, pp 89-177)
  Radiation effects on fast reactor cladding and structural materials, 23:22593 (BNWL-790, pp 10.1-10)
  Radiation effects on fast reactor cladding and structural materials, 23:24954 (BNWL-870, pp 10.1-12)
  Radiation effects on fast reactor cladding and structural materials, 23:24958 (GEMP-1008, pp 51-113)
  Radiation effects on fast reactor cladding and structural materials (1304), 23:30099 (GEMP-1010, pp 45-98)
  Radiation effects on fast reactor cladding and structural materials, 24:10114 (GEMP-1012(Pt.1), pp 71-262)
  Radiation effects on fast reactor cladding and structural materials, 24:14811 (GEMP-1013, pp 167-223)

Radiation effects on first- and second-stage creep of Incoloy-800, 22:31436
Recovery of damage in neutron irradiated W/25 wt. percent Re, 24:12443
Recovery of damage in neutron-irradiated A-286, 23:36167
Saturation and recovery in neutron-irradiated molybdenum, 23:8695
Stage III recovery in neutron-irradiated W, 22:13042
The effect of helium gas bubbles on the creep ductility of a neutron-irradiated austenitic alloy, 22:4836
Theoretical spectrum—threshold detector data correlation in EBR-II, 24:13602 (GEMP-720)
Theoretical spectrum-threshold detector data correlation in EBR-II, 25:20803
Voids in irradiated tungsten and molybdenum, 23:34025 (GEMP-692)
Voids in irradiated tungsten and molybdenum, 24:12445
MOTEFF, John Correlation of microstructure with mechanical properties of irradiated tungsten, 24:8157 (CONF-670533-, pp 216-29)
Electron microscopy of irradiated and mechanically tested tungsten, 23:12378
Radiation effects on the microstructure of tungsten, 22:31433
Radiation effects on the microstructure of tungsten, 23:3089 (GEMP-581)
Radiation effects to refractory metals and alloys, 23:10234 (CONF-680419-, pp 225-43)
Reactor neutron dosimetry in irradiation of materials, 25:23799
MOTES, Bill G. On-line monitor of natural gas lines for ^{3}H and ^{85}Kr, 25:4352
On-line monitor of natural gas lines for ^{3}H and ^{85}Kr, 25:37620
Uranium analysis by isotope-excited x-ray fluorescence, 24:5588
MOTES, J. M. Cyclopropane. XXVII. The cyclopropyl anion, 24:33670
MOTES, John M. Cyclopropanes. XXV, 24:22663
MOTEVALLEDI NOBAR, Youssef Decay scheme of ^{183}Hf, 22:13999 (NP-17219)
MOTHERSHED, C. T. ORMEF: FORTRAN code for computing detail multi-effect multi-stage flash evaporation desalination plant designs, 21:26025 (ORNL-TM-1560)
OROSEF: Fortran code for overall design of multi-stage flash desalination plant, 21:1488 (ORNL-TM-1627)
MOTHON, Stella Effects of excess iodide on the metabolism of thyroxine in the rat, 23:2796
MOTIU, Emilia Complex compounds with some hydroxy acids. X, 25:6340
MOTIZUKI, K. Ortho-para conversion of H_2 and D_2 diluted in solid HD, 22:3177
MOTIZUKI, Tamizo Characteristics of personal monitoring dosimeter, 25:29383 (JAERI-Memo-4292)
MOTLEY, R. W. Confinement time of Cs and K plasmas in a Q device, 22:44080
Direct measurement of confinement time of Cs plasma in a Q device, 21:33367 (CONF-670104-Pt.1, pp 243-58)
Direct measurement of the confinement time of Cs plasma in a Q-device, 21:33371
Electron cyclotron resonance heating of alkali plasmas, 21:35132 (CONF-670104-Pt.2, pp 543-62)
Electron—cyclotron resonance heating of alkali plasmas, 22:1149
Energy analysis of cesium ions in Q machine, 25:27686
Finite ion Larmor radius and ion—ion collision effects on alkali-metal plasma, 22:44188 (MATT-619)
Finite ion Larmor radius and ion—ion collision effects, 23:32526
Improved plasma confinement in a Q machine with symmetrically heated end plates, 23:14750
Ion temperatures and increased end losses in Q devices, 24:17882
Measurement of drift-wave potential oscillations in the presence of temperature oscillations, 25:27809
Measurement of volume recombination coefficients in highly ionized alkali plasmas, 22:39128
Plasma end losses in a Q machine, 23:16774
Recombination of alkali plasma ions on hot tungsten surfaces, 24:5167
Three-body recombination coefficient in highly ionized potassium plasma, 24:19881
MOTLEY, Richard Effect of water on the distribution of uranyl 8-quinolinol chelate between nitromethane and 1-decanol, 23:4599
MOTOC, C. Influence of reactor irradiation and of thermal annealing on some stainless steels, 21:20546
Reactor and fission fragment irradiation effects on potassium dihydrogen phosphate, 21:29364
MOTOC, Cornelia Effects of laser irradiation on γ-ray-induced color centers in NaCl, 23:14886
Influence of irradiation on crystal growth, 24:21873
MOTODA, Hiroshi Burnup optimization of continuous scattered refueling, 24:33500
Control-rod programming, 24:11322
Optimal control rod programming, 24:33557
Optimal control rod programming of light water reactors in equilibrium fuel cycle, 25:60101
MOTOHASHI, Haruhiko JAERI pulsed type neutron spectrometer, 25:42107 (JAERI-13771)
MOTOI, S. Effect of additives on the sintering of zircon, 25:2766 (CSIRO-Trans-9924)
MOTOIE, K. New high-temperature and -pressure tensile tester, 24:44215 (UCRL-Trans-10472)
MOTOISHI, Shoji Production of ^{197}Hg and ^{203}Hg. II, 25:21059 (JAERI-Memo-4220)
MOTOJIMA, K. Analysis of nuclear fuels, 22:1883 (ANL-Trans-523)
Extraction photometry using oxine and 2-methyl-oxine: analysis of essential nuclear reactor materials, 21:34225
Industrial applications of radiation and radioisotopes in Japan, 25:51479 (A/CONF.49/P-827)
MOTOJIMA, Kenji Activation analysis of high-purity silicon for semiconductor use, 23:11455
Determination of Co in materials with Zn-DDTC, 23:24068
Determination of H fluoride and U(VI) in crude U hexafluoride hydrolysis and potentiometric titration, 22:32
Determination of radioactive cobalt in reactor coolant water by solvent extraction, 21:45031
Determination of traces of aluminum and manganese in zirconium and its alloys, 21:32111
Extraction and determination of U with arsenazo III, 23:21622
Extraction and spectrophotometric determination of U, 23:15802
Preparation of U_3O_8 spectrochemical standards, 21:1243 (JAERI-1112)
Separation of ^{95} ^{97}Zr and ^{95} ^{97}Nb from fission-product mixtures and irradiated U by an extraction method using 8-quinolinol, 21:6004
Simultaneous determination of Al and Fe in Pu, 24:43954
Spectrophotometric determination of ruthenium with 8-quinolinol, 24:11446
Spectrophotometric determination of thorium with carboxyarsenazo, 24:41200
Use of extraction-photometric technique in activation analysis, 22:1950 (JAERI-1148)
MOTOMIYA, Kimio Container for transporting radioactive materials, 23:40977
Device for changing the paths, 22:47035
Method for driving a reactor control rod, 22:10071
Radioactive materials transport container, 23:24418
MOTOMURA, Isao Biological effect of electron beam irradiation on small creatures. I, 24:21278
Biological effect of electron beam irradiation on small creatures. II, 24:21279
Biological effect of electron beam irradiation on small creatures. III, 24:21291
MOTOMURA, Kazuko Quantitation of double color autoradiography, using film scintillation counter, 23:7771
MOTONAGA, Shoshichi Circular trimming coils mounted on magnet pole faces, 23:52081
Spin flip in inelastic scattering of protons from ^{12}C around 13.1 MeV, 24:40565
MOTORNENKO, A. P. Dependence of electric and spectral properties of gas discharge on frequency of exciting field, 22:17696
Properties of the plasma skin-slab in microwave gas discharge, 22:13475
Skin effect in an intense superhigh-frequency discharge, 21:44084
MOTOROV, B. I. Non-stationary operation of marine nuclear steam-producing installations, 25:3919
MOTOTAKE, Sakudo Real time dose distribution display by digital computer, 25:58078
MOTOV, D. L. Chemical technology of rare metal ores, 22:40191
Extraction of hafnium with cyclohexanone solution of thiocyanic acid, 25:57533
MOTOYOSHI, Akio Quark model with Regge pole amplitude for high energy forward scattering, 21:40200
MOTSAREV, G. V. Radiative chlorination of phenylmethyldichlorosilane and phenyltrichlorosilane, 21:19653
MOTT, B. W. Bibliography on properties of liquid metal binary systems which relate to their structure, 21:6796 (AERE-Bib-151)
Compendium of references to studies of the properties of liquid metal binary systems which relate to their structure, 22:52156 (AERE-Bib-151-A)
Intermetallic compounds and alloys of the alkali metals, 21:43597
Metallographic examination of sodium, 25:8845 (AERE-R-5483)
Sodium purification and general handling facility, 25:8390 (AERE-R-5502)
MOTT, C. J. Earthquakes and reactor safety, 24:39092 (ORNL-4446, pp 23-5)
MOTT, David L. Electron content of the Antarctic ionosphere, 1966, 22:1063
MOTT, J. Boson resonance of mass 980 MeV decaying into π^-eta, 23:8741
Comparison of $K^-p \rightarrow \pi^-Y^*{}_1{}^+(1385)$ and $\pi^+p \rightarrow K^+Y^*{}_1{}^+(1385)$ at 5.5 GeV/c, 24:3541
Excited hyperon of mass 1680 MeV, 21:15262
f^0 Production in K^-p interactions at 5.5 GeV/c, 22:1391
Interactions K^-p at 4.1 and 5.5 GeV/c, 23:18790
Meson + hyperon final states in K^-p interactions at 4.1 and 5.5 GeV/c, 21:17054
Neutral non-strange mesons near 960 MeV produced in 5.5 GeV/c K^-p interactions, 22:48237
MOTT, J. E. Double-Regge-pole model analysis of $\pi^-p \rightarrow \pi^-\pi^-\Delta^{++}$, 24:15486
Double-Regge-pole model analysis of $\pi^-p \rightarrow \pi^-\pi^-\Delta^{++}$ at 6 GeV/c, 24:49330
Heat exchanger optimization code, 25:44265 (K-1799)
$\pi^-p \rightarrow \pi^-\pi^+\pi^-p$ reaction at 6 GeV/c, 24:40279
MOTT, Jack Edward Study of K^-p interactions at 4.1 and 5.5 GeV/c, 22:24560
MOTT, N. F. Low-temperature oxidation, 24:25647
MOTT, Norman S. Separation of Sr from Ca for radiostrontium analysis, 21:10275
MOTT, W. E. Isotopic techniques in the study and control of environmental pollution, 25:32143
Radioisotopic power sources for human implantation, 22:30789
Radiotracer applications in geophysics in the United States of America, 22:14689
MOTT, William E. AEC's program in industrial applications of radiation and radioisotopes, 22:6246
Application of radioisotopes to circulatory-support systems, 24:14505
Design of radioisotope heat sources for human implantation, 25:4229
Development of radioisotope power for artificial heart pumps, 25:39665
Factors relating to the application of radioisotopes to circulatory support systems, 23:38190
Method of detecting and/or measuring internal leakage in a process stream, 22:47286
Neutron transmission method of analysis and apparatus therefor, 23:24479
Quality control by neutron transmission, 23:21917
Slow-neutron transmission analysis, 25:4035
Technical progress in wood-polymer and other fiber-polymer combinations, 23:15893
MOTTA, Claude Nucleon production in proton—nucleus interactions at incident momentum of 1.2 GeV/c, 23:42979
Production of light fast fragments in (p—nucleus) interactions at 20 GeV, 24:3513
MOTTA, G. Gross radioactivity in sediments of North Adriatic Sea, 24:7514
Irradiation of the lymph nodes of the colon with radioactive nitrogen mustard, 21:24464
MOTTA, L. Indium-113m for liver scanning, 25:6747
Radioimmunologic determination of anti-insulin antibodies, 23:2783
MOTTA, M. Doppler effect evaluation for homogeneous dilute fast-oxide reactors, 22:53377
Neutron leakage delay-time distribution in reactor kinetics, 23:21556
Numerical analysis of the solutions of telegraphist's equation for two types of time-dependent neutron source, 21:42735
Scintigraphic aspects of the kidney, 23:38656
Tensorial formulation and geometric interpretation of a multi level multi channel formula for nuclear resonances, 25:28454 (RT/FI-(70)38)
Two-level resonance formulas and their application to the calculation of the effective resonance integral, 23:5751 (RT/FIMA-(68)2)
Two-level resonance formulas and their application of the effective resonance integral, 23:49390 (EURFNR-638)
Utilization of "a priori" information in fast neutron spectrometry by threshold detectors, 22:26779
MOTTA, Mario Use of approximate quadrature formulas for the fast neutron flux evaluation by threshold detectors, 22:38025
MOTTA, R. Utilization of hemopoietic heterochimeras for the revelation of a leukemogenic virus, 23:47985
MOTTA DO AMARAL, L. C. Description of a transistorized time-to-amplitude converter, 22:398
MOTTAZ, Jess Effect of sunlight on human epidermis, 24:17151
MOTTAZ, Jess H. Melanogenesis: uv irradiated human melanocytes, 24:34123
MOTTE, F. Analysis of possibility of large-scale irradiation of fast reactor fuel in BR2 materials-testing reactor, 22:35630
Basic experimental reactor physics program on UO_2—PuO_2—H_2O lattices, 25:41567
Development of plutonium fuels and studies of plutonium recycling in light water reactors, 22:25008
Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35593 (EURAEC-1882)
Results of subcritical experiments carried out on 5 percent enriched H_2O—UO_2 lattices, 22:35594 (EURAEC-1882(Annex))
MOTTE, Jean-Pierre Study by Moessbauer effect of the Fe nitrides epsilon and zeta in vicinity of Fe_3N composition, 22:31975
MOTTELER, Zane C. Application of Nelder—Mead simplex method to finding zeros of polynomials, 23:47359 (LA-4228)
Method of descent for finding the roots of polynomials in a single variable, 23:52507 (LA-4222)
MOTTELSON, B. R. Isopin mixing in nuclear ground states and Fermi β-decays, 22:16094
Progress report on nuclear physics, 22:20773
Vibrational fields and nuclear dipole modes, 24:47667
MOTTELSON, Ben R. Nuclear structure. I, 23:40146
MOTTERN, D. J. Oxidation of certain refractory alloys, 25:6832 (SC-DR-70-164)
MOTTERSHEAD, Charles Thomas Analysis of pion—helium scattering for the pion charge form factor, 25:12225
MOTTERSHEAD, D. Effects of reactor radiation on concrete, 25:30022 (EUR-4531, pp 237-65)
Stored energy release in irradiated graphite, 21:9254
MOTTET, P. Development of properties of nuclear graphite obtained by a mixture of cokes, 25:58366 (CEA-CONF-1820)
Influence of speed of graphitization of carbon products on dimensional variations produced by neutron irradiation, 25:55645 (CEA-CONF-1821)
Metals reinforced by carbon fibers, 25:49537
MOTTINGER, J. P. Effects of x rays on the bronze and shrunken loci in maize, 25:11023
MOTTINGER, John Philip Effects of x-rays on maize, 23:31703
MOTTOLA, H. A. Separation and determination of ^{137}Cs in urine, 25:28983
MOTTRAM, A. W. T. Integrated nuclear gas turbines, 23:28543
MOTTRAM, Anthony William Thomas Generating duct for a magnetohydrodynamic electrical generator, 25:38185
Improvements in pressure vessels, 24:4179
MOTULEVICH, G. P. Correlation of critical superconducting transition temperature with conduction-electron concentration, 24:15222
Determination of the electron—phonon coupling constant from optical measurements, 25:52757
Optical properties and electron characteristics of niobium—tin alloys, 25:14149
Optical properties of niobium, 23:14921
Optical properties of niobium—titanium superconducting alloys, 25:7350
Optical properties of superconducting technical alloys of niobium with titanium, 21:35121

- MOTULEVICH, V. P. Calculating electron concentration in turbulent boundary layer of weakly ionized plasma, 22:5313
  - ENIN-2-experimental open cycle MHD generator rig, 23:30378 (AD-683131)
- MOTULSKY, Arno G. Treatment of hereditary spherocytosis in Permomyscus by radiation and allogeneic bone marrow transplantation, 21:22758
- MOTUZKOV, I. N. Trace element contents and natural radioactivity of foods in some districts of Kiev region, 25:57987
- MOTYAZHEV, V. I. Solubility and solid-phase interaction of the carbides of transition metals with nickel and copper, 25:55464
- MOTZ, H. Mode track synchronism: new principle of plasma heating and acceleration, 23:18583 (CONF-680113-(Vol.1), pp 391-406)
  - Plasma oscillations, 21:11659
  - Radio-frequency confinement and acceleration of plasmas, 21:44022
  - Reversibility and the damping of a double beam instability, 24:1446
  - Synchrotron radiation in a bounded cold magnetoplasma, 23:42294
- MOTZ, H. T. AEC Nuclear Cross Sections Advisory Group meeting, Argonne, Ill., 11/66, 21:25518 (WASH-1071)
  - Energy levels and configurations in ^{94}Nb, 22:29999
  - Energy levels of ^{166}Ho, 21:23527
  - Gamma-ray spectrum from ^{204}Pb(n,γ)^{205}Pb, 21:12059
  - Lithium-drifted Ge detectors at Los Alamos Scientific Lab., status report, 22:14801
  - Low-lying configurations in ^{210}Bi, 25:36787
  - Neutron capture gamma-ray spectroscopy, 25:20447
  - Neutron capture in ^{165}Ho, 23:34774 (ANL-7282, pp 355-74)
  - Reports to AEC Nuclear Cross Sections Advisory Group meeting, Brookhaven, New York, 4/67, 21:40432 (WASH-1074)
  - Thermal neutron capture facility, 21:19470 (LA-DC-8335)
- MOTZ, Henry T. Levels in ^{239}U, 21:2737
- MOTZ, J. W. Calibration procedures for radiation measurements, 23:2569
  - Determining energy and current of accelerator electron beam, 21:37970
  - Inelastic atomic scattering of 0.1-, 0.2-, 0.4-, and 3.0-MeV electrons, 25:7139
  - Inelastic scattering cross sections for 200- and 400-keV electrons, 22:38787
  - Production of high-intensity K x-ray beams, 25:35842
  - Response of Si detectors to monoenergetic electrons between 0.15 and 5.0 MeV, 23:21953
  - Response of silicon transmission detectors to monoenergetic electrons, 22:40403
  - Tables of response functions for silicon electron detectors, 24:27350 (NBS-TN-489)
- MOTZ, Joseph W. Apparatus for measuring energy and current of an accelerator electron beam, 24:3810
- MOTZ, Juergen Ferritic steels and their applicability in sodium systems up to 600°C, 21:22842 (AI-Trans-233)
- MOTZ, L. Gauge invariance and the Hamilton—Jacobi equation, 24:45398
  - Gravitational theory of μ-meson and leptons, 24:13167
- MOTZ, Lloyd Homogeneous main sequence models with convective cores. II, 23:22717
- MOTZ, R. O. Optical study of a Ba Q-plasma, 21:35141 (CONF-670104-Pt.2, pp 531-42)
  - Prog. rpt. on cross-field diffusion in confined plasma column, annual, 2/68, 22:24283 (SIT-2813-44)
  - Prog. rpt. on plasma physics, 6/66—2/67, 21:27145 (SIT-2813-40)
  - Self-luminosity of a Ba Q-plasma, 22:26370
- MOTZ, Robin O. Optical determination of barium plasma density, 22:1164
  - Optical determination of low-barium plasma density, 24:26162
  - Prog. rpt. on plasma physics, 2/69—1/70, 24:30329 (SIT-2813-49)
  - Prog. rpt. on plasma physics, annual, 2/69, 23:20874 (SIT-2813-47)
- MOTZFELDT, Tove Study of influence of deuterium substitution on H bond of dimeric formic acid, 24:38828
- MOTZKUS, F. Influence of the size of a radiation source on the iso-response lines of a many-channel collimator, 21:10986
  - Origin and interpretation of radiorenogram, 22:38338
- MOUCHEL, D. Isomeric state in ^{113}In, 25:20460
- MOUCHET, J. Parameters A and R in π^{+-}—p scattering at 5 to 18 GeV/c, 23:23375
- MOUCHETTE, R. Comparison of two radioisotropic techniques in brain diseases, 24:34502
- MOUCHMOV, M. Interstitial curietherapy, with afterloading, in radiosurgical treatment of lymphatic metastases of the neck, 24:4663
- MOUCHNINO, M. Compatibility comparison of (U,Pu)C and U—Pu—C—Mo with stainless steel, 23:12267 (CEA-CONF-1031)
  - Diffusion of plutonium in the solid state, 21:32916
  - Reaction of plutonium with addition elements from groups III and IVB, 23:36144
- MOUCHNINO, Michel Improvements in or relating to nuclear fuel elements, 22:37575
  - Reaction of carbides of U and Pu with austenitic steels, 22:23852 (CEA-R-3353)
- MOUELLIC, B. Cherenkov counter with large detection surface, 21:10651
- MOUGEL, J. F. Connection for elements of nuclear physics (COPHYNUT), 24:509 (CEA-CONF-1302)
  - Project AGORA, 23:41127 (EUR-4289, pp 385-9)
  - Use of calculators in nuclear physics, 23:43619 (CEA-CONF-1242)
  - Use of computers in nuclear physics, 23:41149
  - Wire spark chamber with a core memory of large size, 23:14033 (CEA-CONF-1152)
- MOUGEL, Jean-Francois Smoothing of spectra in nuclear physics, 23:28319 (CEA-R-3662)
- MOUGEY, J. (e,e'x) and related reactions, 23:9032 (TID-24667, pp 474-7)
  - Calculation of the effect of an extended fringing field in a magnet with a homogeneous field, 21:25372
  - Double-focusing spectrometer with large energy acceptance, 23:47809
  - Program Orbite: particle trajectories in a magnetic field, 23:47811
  - Some numbers about the spectrometers for (e,e') and e,e'p experiments at Saclay, 23:7777 (TID-24667, pp 35-8)
- MOUGEY, Louis Shock absorber for nuclear reactor fuel elements, 22:1903
- MOUGIN, A. Efficiency of gamma detectors used in fast neutron experiments, 24:14244 (CEA-CONF-1432)
  - Time to pulse height converter with timing compensation for p-i-n detectors, 24:46465 (CEA-N-1334)
  - Time-to-pulse height converter with compensation for Ge(Li) detectors, 25:48974
- MOUGIN, Jacques Reactions UF_4 + ClO_2F and UF_5 + ClO_2F, 24:22619 (CEA-R-3963)
- MOUGNIOT, J. C. Experimental study of neutron characteristics in fast multiplying media using the thermal—fast critical assembly "Ermine", 22:20916 (ANL-Trans-556)
  - Experimental study of the neutron characteristics of fast cores in the ermine thermal-fast critical assembly, 22:35631
  - Masurca 1-A and 1-B-preliminary results, 22:35657
  - Safety problems related to assembling of mock-ups in MASURCA, 22:53449
- MOUHOT, R. Effect of radiation on corrosion of Zy-2, 22:34084 (WAPD-Trans-87)
  - Influence of radiation on corrosion of Zircaloy-2 in aqueous solutions at high temperatures, 21:16624
  - Radiation effects on corrosion of Zy-2 in superheated steam, 22:21664
- MOUILHAYRAT, G. Multiparameter registration system designed for the study of three body reactions by the coincidence method, 23:16206
  - Reaction ^{10}B(d,α)^{8}Be, 21:33886
  - Reaction p + ^{11}B $\rightarrow$ 3α at 1.4 MeV by method of coincidences, 23:15368
- MOUILHAYRAT, Guy Telescope for studying charged particles produced by 14 MeV neutrons, 23:26510 (CEA-R-3624)
- MOUK, Mary Lou N-substituted S-2-aminoethyl thiosulfates as antiradiation agents, 23:29577
- MOUL, A. N. Effect of moisture on the inhibitory action of phosphorus oxychloride on the air oxidation of graphite, 22:779 (AERE-R-5552)
- MOULD, P. R. Strain aging and recovery behavior of Fe—Cr and Fe—Mo alloys, 23:3056
- MOULD, R. F. Radiation treatment of cancer of the pharynx, 22:31179
  - Treatment of tumours of the upper jaw, 23:45836
- MOULD, Richard F. Telecobalt split field dosimetry, 23:29672
- MOULDER, B. C. Significance of spider predation in the energy dynamics of forest floor arthropod communities, 24:13688 (ORNL-4452)
- MOULDER, J. LAMBDA^0 trapping following absorption of stopping K^- and Σ^- in liquid neon, 24:47373 (CONF-690557-(Vol.2), pp 748-52)
- MOULDER, J. W. Hyperfragment production following slow Σ^- capture in liquid Ne, 24:28482
- MOULDER, Jerry W. Absorption at rest and low energy elastic scattering of K^- mesons by neon, 25:22690 (TID-25667)
- MOULDER, Jerry Wright Absorption at rest and low energy elastic scattering of K^- mesons by neon, 25:47749
- MOULDING, A. J. Nuclear materials management procedure, 23:33363 (AAEC/PM-2(Rev.))
- MOULE, D. C. Deuterium isotope effect and the molecular dynamics of water in benzene, 21:5855
- MOULE, Y. Unequal ^{32}P-labeling of RNA of mammalian tissues, 24:29625
- MOULET, Elisee Bibliography on nuclear reactions of hydrogen isotopes, 21:33871 (CEA-Bib-82)
  - Presses: hydrostatic and isostatic pressing, 25:6839 (CEA-Bib-187)
- MOULIAS, R. Acute promyelocytic leukemia appearing 17 years after carotid arteriography with Thorotrast, 21:13051
- MOULIN, D. Plasma heating at the lower-hybrid resonance, 25:58960 (CEA-CONF-1831)
- MOULIN, Gerard Combined plug and needle valve, 24:41586
- MOULIN, J. Creep performance for certain Nb alloys, 23:34088
- MOULIN, Jean Method and apparatus for disposal of fission products, 25:51774
- MOULINIER Peaceful use of nuclear fission, 25:34771
- MOULTHROP, H. A. Description of ARHCO's new compact plutonium storage facility, 25:54942 (CONF-710401-, pp 56-67)
  - Dose rates for cylindrical source volumes from fission products through lead, iron, and concrete, 23:3533 (ARH-46)
- MOULTHROP, Homer A. Method and apparatus for determining cooling age of nuclear reactor fuel, 22:45831
- MOULTON, D. M. Cheap hydrogen for basic chemicals, 21:35932
  - Extraction of protactinium from molten salt mixtures, 24:19062
  - Method for separating U and Pa, 24:4360
  - Reductive extraction of rare earths, 23:38043
- MOULTON, David M. Method for separating U, Pa, and rare earth fission products from spent molten fluoride salts reactor fuels, 25:41903
- MOULTON, Grace C. Electron spin resonance of x-irradiated single crystals of DL-tartaric acid at 77°K, 23:45325
  - ESR studies of deuterated dl-tartaric acid x irradiated at 195°K, 24:50432
- MOULTON, R. J. Continuous dissolution in a packed bed, 21:43033
  - Processing in limited geometry. XVI, 25:8445 (AERE-R-5104)
- MOULTON, W. G. Iodine-127 nuclear quadrupole resonance in antiferromagnetic UI_3, 22:44274
  - Magnetic susceptibility of uranium monophosphide, 25:43495
  - NMR of ^{31}P in antiferromagnetic state of metallic UP, 23:51810
  - Nuclear quadrupole resonance investigation of $NdBr_3$ and UI_3, 22:11529
- MOUNIER, Jean Reaction schemes of a preparation of beryllium hydride, 25:37339 (UCRL-Trans-10533)
- MOUNT, D. I. Thermal effects on ecological systems, 25:23220
- MOUNT, David W. Recombination-deficient mutants of E. coli, 24:8026
- MOUNT, Donald I. Thermal effects of power plants on ecology, 25:54005
  - Thermal standards in the United States of America, 24:44094 (CONF-700810-29)
- MOUNT, Mark S. Effects of uv on wheat, 23:14289
- MOUNT, Mark Samuel Environmental effects during primary infection of wheat, 23:952
- MOUNT, Ramon A. Carbonium ions. XIV, 24:18947
- MOUNTAIN, John E. Tritium production and release mechanisms in pressurized water reactor coolant, 24:33222
- MOUNTAIN, W. Neutron energy spectra above an advanced gas-cooled reactor core, 21:21686
  - Source jerk experiments using an external source, 23:45139 (RD/B/N-1188)
  - Sub-critical and critical reactivity measurements on first B.N.L. zero energy reactor, 24:2039 (RD/B/N-1189)
- MOUNTCASTLE, Walter E. Nucleocapsid protein subunits of SV5, Newcastle disease virus and Sendai virus, 25:2022 (NYO-3983-19)
- MOUNTFORD, G. A. Conductance titrations in dilute oleum and the dissociation constant of disulfuric acid in solvent sulfuric acid, 21:8257
- MOUNTFORD, L. A. Contribution of thermal expansion to temperature coefficient of reactivity of ^{235}U metal samples, 22:32977 (NAA-SR-Memo-12289)
  - Doppler coefficient measurements in the cryogenic temperature region, 21:35552 (ANL-7320, pp 341-4)
  - Doppler coefficient of reactivity for heavy elements, 21:35551 (ANL-7320, pp 334-40)
  - Integral measurement of ^{239}Pu alpha, 24:33247
  - Measurements of the temperature coefficient of reactivity of ^{233}U, ^{239}Pu, and higher Pu isotopes, 22:5744
  - Multiregion fast reactor experiments, 22:47022
  - Small-sample surface-to-mass and homogeneity effects in fast neutron spectra, 22:53378
  - Surface-to-mass and heterogeneity effects on the specific reactivity of selected materials in a fast-neutron spectrum, 21:8061
  - Surface-to-mass and heterogeneity effects on the specific reactivity of selected materials in a fast neutron spectrum, 22:35667 (NAA-SR-Memo-12288)
- MOUNTJOY, J. C. Dynamic spectral characteristics of chorus at a middle-latitude station, 24:26076
- MOUNTJOY, Wayne Determination of micro amounts of cesium in geologic materials, 22:27549
- MOURA, M. M. L. Electrophoresis of lanthanide elements and of Y, Sc, Th, U, and Zr in lactic acid media, 25:44331
- MOURA, M. Manuela L. Electrophoresis of lanthanides, Y, Sc, Th, U, and Zr in lactic acid, 24:29376
- MOURAD, S. A. Equation of transfer for planetary atmosphere, 23:14597
  - Extrapolation lengths for highly anisotropic scattering, 21:7658
- MOURAD, W. G. Precise measurement of relative energy positions and widths of some (p,γ) resonances in aluminium and sodium, 21:44651
  - Resonance (^{27}Al(p,γ)^{28}Si) widths with study of temperature and contaminant effects, 21:44650
- MOURAD, Walid Gerios Measurement of relative energy positions and widths of some (p,γ) resonances in Al and Na, 22:9844
- MOURADIAN, E. M. Thermal analysis of SNAP-10A reactor core during atmospheric reentry and resulting core disintegration and fuel element separation, 21:1200 (NAA-SR-Memo-11847)
  - Thermal behavior of SNAP 8 reactor during atmospheric reentry, 21:30616 (NAA-SR-12355)
- MOURADIAN, Z. Diffusion of spicules in the solar corona, 22:11176
- MOURAILLE, H. Neutron gain obtained in anisotropic moderator, 21:23398 (NP-16622)
- MOURAILLE, Herve Experimental study of thermal neutron spectra in graphite up to 2200°K, 23:23601 (CEA-R-3613)
  - Thermalization of 14.7-MeV neutrons produced by low energy accelerator, 24:26572 (CEA-N-1117)
- MOURCHON, Robert Automatic control system for reactor Peggy, 22:22808 (CEA-R-3323)
- MOURER, D. Oxygen flask combustion analysis of ^{14}C and ^{3}H, 23:49739
- MOURET, P. Laboratory-developed improvements in the re-extraction/separation of uranium and molybdenum in an organic solvent by means of ammonium carbonate, 25:23677
- MOUREY, Michele Y. C. Tertiary composite materials based on W, B, and carbide, and method of preparation, 25:32788
- MOURI, Takenori Gamma-irradiation to mushrooms. I, 24:48739
- MOURIDSEN, H. T. Turnover of ^{131}I plasma proteins, 23:43678
- MOURIER, G. Experiments on a plasma backward-wave oscillator, 22:6703
  - High power rf plasma accelerator, 21:39997

- Nonlinear effects in the dipole resonance of a plasma column at higher rf powers, 22:3060
- Study of properties of plasmas at hyperfrequencies, 21:44041
- MOURIER, Georges High-field microwave generating arrangement, 21:43314
  - Performance of a high-frequency field accelerator with laser preionization, 22:9310
- MOURIER, H. Effects of gamma radiation on fertility of Dermatobia hominis, 22:23699
- MOURIKIS, P. A. Review of olive-fly ecology in relation to the sterile-male technique, 25:24517
- MOURING, Robert W. Molten fuel-sodium interaction in a multi-pin meltdown test with evacuated fuel pins, 25:41542
- MOURIQUAND, C. Chromosome anomalies in tubercular sites treated by pneumothorax, 22:51910
  - Chromosomes and radiations: study of 12 occupationally exposed subjects affected by radiodermititis, 23:16258 (ORNL-tr-1928)
  - Effect of smallpox vaccination on leukemogenesis in mice, 22:36189
  - Effects in vivo of ionizing radiations on human chromosomes, 25:55178
  - In vitro study of effect of γ rays on human chromosomes, 25:42365
  - Study of 1000 caryotypes in non-irradiated subjects, 22:17019
  - Virus and PS tumors, 21:30881
- MOURIQUAND, Cl. Infant irradiated in utero, 24:14617
- MOURIQUAND, Claude In vitro study of action of x-rays on human lymphocytes, 21:1796 (CEA-R-3007)
- MOURIQUAND, J. Effect of smallpox vaccination on leukemogenesis in mice, 22:36189
  - Virus and PS tumors, 21:30881
- MOURIZ, J. Etiopathogenesis of thyroid cancer, 24:21311
- MOURLAM, Louis Jr. Lock-in detector, 25:3954 (IS-2389)
- MOURNING, Michael C. Conformational analysis. I, 22:8070
- MOURNING, Robert W. Fuel-failure behavior during transient meltdown in a sodium-filled piston autoclave, 24:7155
- MOURRE, E. Potential scattering in the limit of large coupling, 24:10855
- MOURRET, Andree Improvement of radioprotective power of Imidazole, 23:9977 (CEA-R-3610)
  - Radioprotective power of imidazole, benzimidazole, and naphazoline on mice placed in pure oxygen atmosphere, 25:24203 (CEA-R-4110)
- MOURSUND, A. L. Differential elastic scattering of D_2 by N_2 in crossed molecular beams, 24:28108
- MOUSAEV, U. N. Radiation induced copolymerization of methacrylic acid with methacrylamide, 21:24001
- MOUSER, W. R. Metallography of some uranium—plutonium fuel materials, 24:48871 (CONF-690954-, pp 192-219)
- MOUSHMOV, Marin Interstitial curie therapy with radioactive filaments, 23:33796
- MOUSHMOV, Marino D. Radioactive wire source, 22:12890
- MOUSNY, J. M. Radiocesium in soils, 25:2529
- MOUSSA, A. Decay of ^{144}Tb, 22:50637
  - Decay of ^{87}Kr, 23:17099
  - Decay of ^{95}Ru, 22:35307
  - Decay of ^{99}Nb(T/sub $^1/_2$/ = 2.6 min.), 25:34149
  - Determination of charge distribution in low-energy fission, 24:13346 (CEA-CONF-1369)
  - Disintegration of the two isomers of ^{84}Br (31.8 min and 6.0 min), 25:12444
  - Excited levels of ^{186}W, 24:43348
  - Excited states of ^{98}Mo in radioactive decay of ^{98}Nb isomers, 23:25923
  - Iron-free magnetic beta spectrometer, 23:43572
  - Iron-free $\pi\sqrt{2}$ β spectrometer of 50 cm, 23:47804
  - Isomers of ^{136}I and ^{136}Xe, 25:12572
  - Isotope separator for on-line fission studies, 25:6594
  - New isomer ^{106}Rh(T/sub $^1/_2$/ = 6 min), 23:46996
  - Nuclear isomerism in ^{138}Cs and ^{138}Ba, 25:50749
  - Radioactive disintegration of ^{186}Ta, 23:52176
  - Rapid chemical separations: general aspects, 25:10668 (LYCEN-7034, pp 1-8)
  - Rhenium-188 generator using ^{188}W, 23:31382
  - Rhenium-188 generator using ^{188}W, 24:46246 (ORNL-tr-2293)
  - Short-lived isomers of ^{136}I and ^{138}Cs decaying via metastable states of ^{136}Xe and ^{138}Ba, 25:28342 (CERN-70-30(Vol.2), pp 1119-21)
  - Study of short-lived fission products by means of isotope separator connected to reactor, 21:19852 (NP-16564)
  - Study of short-lived fission products by means of an isotope separator connected to a reactor, 22:1658 (UCRL-Trans-10130)
- MOUSSA, A. H. Electron capture from hydrogen and helium by μ^+ mesons, 22:9018
- MOUSSA, Andre 3.8-min. isomer of ^{134}I, 24:28795
  - Decay of ^{186}Ta, 22:18301
  - Electric monopole transition in ^{98}Mo, 21:46742
  - Excited metastable states of ^{97}Y, 25:31338
  - Isomer of ^{138}Cs, 25:20381
  - Short-lived isomer of ^{98}Nb, 21:31818
  - Short-lived isomers of ^{99}Nb and ^{100}Nb, 22:9905
- MOUSSA, Hammam Rashad Moustafa Excitation of He by fast electrons and polarization of resulting radiation, 22:29252
- MOUSSA, Laila Effect of red cell aging on ^{51}Cr binding and in vitro elution, 21:20090
- MOUSSA, P. Angular analysis of elementary particle reactions, 23:15158
  - Angular analysis of elementary particle reactions, 23:49063
  - New tests of center of mass helicity conservation in diffractive processes, 24:51986
- MOUSSA, Pierre Angular analyses in relativistic quantum mechanics, 23:18750 (CEA-R-3608)
- MOUSSA-MAHMOUD, L. Quantitative radiocardiography with the digital autofluoroscope, 23:48116
- MOUSSEAU, D. R. PM-2A reactor vessel test, 21:38551
  - Prog. rpt. on PM-2A reactor vessel test program, final, 3/67, 21:23603 (IN-1061)
- MOUSSEZ, C. Experimental research on centrifugal two-phase discharge-flow, 22:25005
- MOUSSEZ, Claude Henri Charles Fuel assembly for nuclear reactor and a process for the manufacture of such an assembly, 22:20886
- MOUSTACCHI, E. Abnormal meiotic segregations induced in yeast by ^{32}P decay, 22:23500
  - Biological effects of the transmutation of incorporated radioisotopes, 21:45832
  - Comparison of lethal effects of ionizing or uv radiations with the suicide effect, 24:673
  - Cytoplasmic and nuclear genetic events induced by uv light, 23:26728
  - Differential liquid holding recovery and petite induction by UV light in Saccharomyces, 25:39813
- MOUSTACCHI, Ethel Genetic effects of ^{32}P incorporated into yeast, 24:31922
- MOUSTAFA, A. Design and construction of a millimicrosecond pulsing apparatus for a 2.5 MV Van de Graaff accelerator, 25:33901 (UARAEE-51)
  - Effect of fringing fields on the ion burst duration in a parallel plate pulser, 25:33902 (UARAEE-77)
- MOUSTAFA, H. Ionization and electron capture cross sections for protons incident on noble and diatomic gases between 10 and 140 keV, 21:14987
  - Ionization and electron capture for helium ions incident on noble and diatomic gases between 10 and 140 keV, 21:14988
- MOUSTAFA, K. Bubble chamber with pulsed magnetic field, 22:25669 (BMwF-FBK-68-02)
- MOUSTAFA, Z. H. Effects of x radiation on methionine, 21:23941
- MOUSTAFA MOUSSA, H. R. Excitation of He by 0.05 to 6 keV electrons, 23:36519
  - Production of Lyman-α radiation in collisions of electrons on molecular hydrogen (0.05 to 3 keV), 22:13222
- MOUSTY, F. Determination of impurities in zinc by neutron activation. II, 24:2160
  - Determination of impurities in Zn by neutron activation. I, 22:44988
  - Determination of trace silver in high-purity zinc by neutron activation, 21:2940
- MOUTAFTCHIEV, K. Radioactive needle with linear activity increasing gradually towards the ends, 25:42590
- MOUTAUD, G. Preparation and properties of carbon fibers with a high yield strength, 25:49536
- MOUTHINO, A. M. C. Total charge transfer cross sections of alkali atoms on halogen molecules, 24:19761
- MOUTINHO, A. Experimental study of a slit monoplasmatron ion source, 23:30884
- MOUTINHO, A. M. C. Charge transfer between alkali atoms and oxygen molecules, 25:24913
  - Total cross sections for charge transfer between alkali atoms and halogen molecules, 23:46261
- MOUTON, D. Effects of vaccination with irradiated Plasmodium berghei on the activity of phagocytes in the reticuloendothelial system after infection of rats with plasmodium, 25:21612
  - Inhibitory effect of Corynebacterium parvum on graft-versus-host disease, 22:40537
  - Protective effect of Corynebacterium parvum against homologous disease, 23:47983
- MOUTON, R. Repair of DNA and chemical radiosensitivity, 23:45974
  - Yeast strains present in different fruit juices and their resistance to ionizing radiations, 21:39524 (NP-16897)
- MOUTON, R. F. Microbiological evolution under gamma radiation, 25:11019
- MOUTON, Robert Applications of intense radiation sources to foods and biosynthetic drugs, 21:9043
  - Enzymatic repair function of DNA, internal factor in evolution of biological systems under irradiation, 23:20317 (CEA-R-3676)
- MOUTON, W. L. Gamma rays from ^{24}Mg(p,γ)^{25}Al reaction, 24:1782
  - Level widths in ^{31}P, 22:15981
  - Lifetime measurements on ^{24}Mg and ^{29}Si, 24:13324
  - Mean lifetime of 720-keV level of ^{43}Sc, 25:45966
  - Nuclear resonance fluorescence with a strong ^{60}Co radioactive source, 22:27004
  - Nuclear resonance fluorescence with a 4000-Ci ^{60}Co radioactive source, 23:13208
  - Nuclear resonance fluorescence with Compton scattered radiation, 24:43237
  - Nuclear resonant absorption of γ-radiation from proton capture reactions, 22:27074
  - Resonance strengths, branching ratios, and mean lifetimes of nuclear energy levels in ^{23}Na, 25:53703
  - Width of 1.013 MeV level of ^{27}Al, 23:37157
  - Widths of the 9.991- and 10.165-MeV levels in ^{27}Al, 22:39621
- MOUTONNET, P. Neutronic method for the measurements of moisture in surface soils, 23:9780
- MOUTSCHEN, J. Death of mouse eggs caused by irradiated food, 25:21898
  - Do irradiated foodstuffs have a radiomimetic effect. II, 22:40983
  - Do irradiated foodstuffs have a radiomimetic effect, 23:43924 (NP-tr-1833)
  - Effects of thermal, monoenergetic, and fission neutrons on Nigella chromosomes, 24:9809 (BNL-14197)
  - Evolution of chromosome aberrations induced by ionizing radiations, 22:40620
  - Meiotic consequences of a combined treatment fast neurons-FUDR in Vicia faba, 22:21466
  - Modifications of chromosome structure due to ionizing radiations and chemicals, 25:46792
  - Post irradiation modifications of biological effects of neutrons. II, 21:3397
  - Radiosensitivity and nucleolar organisers, 22:49297
  - Relative biological effectiveness of different kinds of radiations on chromosome aberrations in Nigella damascena seed, 24:4598
  - Topographic analysis of resting nucleus, 24:25460
  - Two applications of radioisotopes in mutagenesis, 21:24381
- MOUTSCHEN, Jean RBE of heavy particles from the reaction ^{10}B(n,α)^{7}Li for chromosome aberrations in Nigella damascena L, 22:45484
- MOUTSCHEN-DAHMEN, J. Biological effectiveness of intermediate neutrons, 24:12055
  - Effects of gamma-ray fractionated doses on chromosome aberration frequencies, 22:49321
  - Modifications with chelating agents of the effects of γ-ray fractionated exposures, 24:2714
  - Repairing processes of chromosome aberrations induced by γ rays in Nigella, 25:18951
- MOUTSCHEN-DAHMEN, M. Biological effectiveness of intermediate neutrons, 24:12055
  - Death of mouse eggs caused by irradiated food, 25:21898
  - Do irradiated foodstuffs have a radiomimetic effect. II, 22:40983
  - Do irradiated foodstuffs have a radiomimetic effect, 23:43924 (NP-tr-1833)
  - Effects of gamma-ray fractionated doses on chromosome aberration frequencies, 22:49321
  - Effects of thermal, monoenergetic, and fission neutrons on Nigella chromosomes, 24:9809 (BNL-14197)
  - Incompleteness of chromosome rejoining, 24:25462
  - Meiotic consequences of a combined treatment fast neurons-FUDR in Vicia faba, 22:21466
  - Modifications with chelating agents of the effects of γ-ray fractionated exposures, 24:2714
  - Post irradiation modifications of biological effects of neutrons. II, 21:3397
  - Relative biological effectiveness of different kinds of radiations on chromosome aberrations in Nigella damascena seed, 24:4598
  - Repairing processes of chromosome aberrations induced by γ rays in Nigella, 25:18951
  - Two applications of radioisotopes in mutagenesis, 21:24381
- MOUTSCHEN-DAHMEN, Madeleine RBE of heavy particles from the reaction ^{10}B(n,α)^{7}Li for chromosome aberrations in Nigella damascena L, 22:45484
- MOUTURAT, P. Influence of irradiation on mechanical properties of Fe Al 40, 22:28880
- MOUTVIC, J. C. Effect of high-pressure oxygen on acute radiation mortality in mice, 23:20369
- MOUWEN, C. A. M. Constricted positive column in neon, 24:15287
- MOUZA, J. C. Realization of an iron-free superconducting quadrupole lens, 21:3791
- MOUZA, J.-C. Current distribution for producing a magnetic field configuration with given symmetry in a two-dimensional problem, 22:29792
  - Geometrical parameters of a long iron-free superconducting magnetic quadrupole lens, 24:38009
- MOVCHAN, B. A. Effect of complex alloying on physical and mechanical properties of Nb, 22:2641
  - Mechanical properties of electron-beam-melted Mo, 24:17267
  - Mechanical properties of Mo, 23:41640
  - Plasticity of cast and recrystallized Mo alloys, 24:2935
  - Strength and ductility of some single-phase and two-phase electron beam-melted niobium-base alloys, 23:8195
  - Structure and properties of thick condensates of Ni, Ti, W, AlO, and ZrO_2 in vacuum, 24:17244
  - Wrought molybdenum-base alloy, 23:27088
- MOVCHAN, L. A. Effects of radiation on catalytic properties of complexes of azomethanes and ions of transition metals, 25:4103
- MOVCHAN, O. T. Chromosome aberrations in the bone marrow cells of monkeys long after irradiation, 22:21482
  - Remote aftereffects in irradiated monkeys, 22:21609
- MOVCHET, J. Measurements of differential cross sections for π^{+-} + p at 410 and 490 MeV in forward direction, 21:37715
  - Measurements of the polarization parameters in pp elastic scattering between 500 and 1200 MeV, 22:11584
- MOVESYAN, M. A. Influence of total single preliminary x irradiation on recovery of lost blood volume in rabbits, 23:10013
- MOVSESIJAN, M. Effect of irradiation of metacercariae on the subsequent morphogenesis of F. hepatica in albino mice, 22:25985
  - Immunological potentiality of irradiated E. granulosus forms, 23:38513
  - Immunology of infections with irradiated metacercariae of Fasciola hepatica, 24:50786
  - Pathophysiology of infections with normal and irradiated metacercariae of Fasciola hepatica, 25:24310
  - Some results of the application of ionizing radiation in helminthology, 25:52007 (A/CONF.49/P-355)
- MOVSESYAN, K. O. Kramer-effect in rubber, Al, and Cu, 21:7354
- MOVSESYAN, M. A. Change of blood alkaline reserve and of amount of titration alkalinity of urine in rabbits due to combined effect of ionizing radiation and bloodletting, 23:10084
  - Change of sodium potassium and calcium content in the heart muscle, 25:4698
  - Changes in SH-group content in heart muscles of rats suffering from acute radiation sickness, 22:12808
  - Effect of ionizing radiation and interference in the form of operations on the cell-phagocytic reactivity of the organism, 21:8922
  - Electrocardiogram (ECG) of animals suffering from acute radiation sickness, 21:39505
  - Joint effect of x irradiation and blood-letting on radiation bacteriaemia in rabbits, 23:10089

Reasons for the variation of the quantity of glycogen in hepatic tissues in irradiated animals, 22:40558
MOVSESYAN, R. E. Ellipsoidal distribution of velocities in a magnetic field, 21:996
Equilibrium of a rotating configuration with elliptical distribution of velocities in the presence of a magnetic field, 22:24768
Interaction of a three-level atomic system with intense electromagnetic radiation, 25:49761
MOVSHEV, B. E. Exchange of ^{45}Ca in intact and burned rats by kinetic analysis method, 22:21422
MOVSHEVICH, Z. M. New atomic icebreaker "lenin", 25:54251 (A/CONF.49/P-722)
MOVSISYAN, L. M. Limiting the current in linear accelerators because of the longitudinal forces of the space charge, 24:45701
Phase equation for electron motion in a traveling-wave field with synchronous energy as an independent variable, 25:27946
Space charge field of electron axial symmetrical bunches, 23:52060
MOWAT, J. Richard Electron mass shift in ^{133}Cs, 25:14514
Reflection of polarized light from absorbing media, 21:11696 (UCRL-11813)
Reflection of polarized light from film-covered surfaces, 21:35822 (UCRL-17128)
Search for electron mass shift in ^{133}Cs in an intense electromagnetic field, 23:51371 (UCRL-19245)
MOWAT, John Alistair Stevenson Electrolytic reduction for solutions containing nuclear fuel, 22:10262
MOWAT, John G. Empirical mass formula for baryons, 22:5585
MOWATT, R. S. 121.2 keV γ ray in decay of ^{147}Pm, 24:26670
Effective neutron capture cross section and half-life of ^{155}Eu, 25:3667
Europium-152g and ^{226}Ra relative γ-ray intensities, 25:20425
Isomers of ^{148}Pm and neutron capture in ^{147}Pm, 25:28373
Semi-empirical efficiency curve for a Ge(Li) detector in energy range 50 to 1400 keV, 23:26544
Thermal reactor absorption cross sections of radioactive nuclides, 22:20405 (CONF-680307-17)
MOWBRAY, D. F. Fatigue crack growth rates in unirradiated pressure vessel steel, 21:39613 (KAPL-P-3362)
Fatigue design data for alloy Ti—6Al—6V—2Sn, 21:481 (KAPL-3158)
Fatigue-crack growth rate studies of nuclear pressure-vessel steels, 22:23763 (KAPL-3383)
Fatigue-crack growth rate studies of low alloy pressure-vessel steels, 22:41033 (KAPL-P-3439)
Fatigue-crack growth-rate studies of low-alloy pressure-vessel steels, 23:20504
MOWER, Lyman Sequential decay theory and sequential transitions, 22:9049
MOWERY, A. One-dimensional calculations of NERVA reactor control spans, 21:38644
MOWERY, A. L. FCX initial criticality experiments and analysis, 21:38635
Reactivity control in NERVA reactor, 23:37669
MOWERY, Alfred L. Jr. Interactions between clustered NERVA reactors, 21:40658
MOWERY, John C. Waste heat recovery, 22:27403 (CONF-680204-2)
MOWERY, Robert L. Distinguishable-electron method for electronic structure calculations. II, 25:52691
MOWLA, G. Interaction of beta particles with thin films, 24:48988
MOWRY, W. Zero power noise analysis and rod scram transient measurements in Peach Bottom, 21:12137 (GAMD-7359)
MOXHAM, R. M. Terrestrial component of environmental γ radiation, 22:2241
MOXHAM, Robert M. Borehole sonde using a ^{252}Cf source and a Ge(Li) detector cooled by a melting cryogen, 25:48953 (CONF-710402-(Vol.3), pp III.1-6)
MOXLEY III, John H. Intensive combination chemotherapy and x-irradiation in Hodgkin's disease, 21:41461
MOXON, D. Dryout during flow and power transients, 22:6526 (AEEW-R-553)
SLIP: dynamics program for thermal—hydraulic behavior of boiling loops, 23:2494 (AEEW-R-448)
MOXON, M. C. Capture cross-sections of structural materials, 25:14971
Computer processing of experimental nuclear data from the Harwell neutron project, 21:20006
Low energy scattering cross section of ^{10}B, 24:49709
Low-energy neutron cross sections of sodium, 22:18193
Low-energy neutron scattering cross-section of ^{6}Li, 25:14909
Neutron cross-section measurements in the resonance region, 23:5778
Neutron resonance parameters and average capture cross section of ^{165}Ho, 22:16048
New technique for the partial wave assignment of a slow neutron resonance, 23:28283
Optimisation of moderators for pulsed neutron targets, 22:37256
MOXON, Michael Charles Measurement of average neutron capture cross-sections in the mass region above 100, 23:1877 (NP-17644)
MOXZYNSKI, M. Plasma delay and plasma time jitter in subnanosecond timing with a surface barrier detector, 25:13228
MOY, Alice P. Nutritional composition of irradiated fruit. II, 23:48305 (UH-235-P-5-4, pp 157-62)
Nutritional composition of irradiated fruit. I, 23:48301 (UH-235-P-5-4, pp 126-35)
MOY, H. C. Analysis of aboveground fallout shelter ventilation requirements, 22:4395
MOY, J. Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 21:4892 (UH-235-P-5-2)
Dosimetry, tolerance, and shelf life extension related to disinfestation of fruits and vegetables by gamma irradiation, 23:48294 (UH-235-P-5-4)
Hawaii food irradiation program for the period June 1, 1966—June 30, 1969, 25:21987 (NVO-374-17(Vol.1))
Hawaii food irradiation program, raw data appendices for the period June 1, 1968—June 30, 1969, 25:21986 (NVO-374-17(Vol.2))
Prog. rpt. on disinfestation of fruits and vegetables by gamma irradiation, annual, 6/66—5/67, 23:10131 (UH-235-P-5-3)
MOY, J. H. Effect of gamma-radiation on the keeping quality of papaya puree, 23:48300 (UH-235-P-5-4, pp 121-5)
Influence of radiation dose, degree of ripeness, and post-irradiation storage temperature on development of flowery aroma in gamma irradiated solo papaya, 23:48299 (UH-235-P-5-4, pp 112-14)
Organoleptic evaluation of gamma irradiated mango, 23:48302 (UH-235-P-5-4, pp 136-42)
Organoleptic evaluation of gamma irradiated pineapple, 23:48304 (UH-235-P-5-4, pp 152-6)
Organoleptic evaluation of gamma irradiated lychee, 23:48306 (UH-235-P-5-4, pp 163-8)
Quality evaluation of gamma irradiated papaya in shipping studies, 23:48295 (UH-235-P-5-4, pp 3-8)
Sensory evaluation of irradiated bananas, 23:10144 (UH-235-P-5-3, pp 120-6)
Shelf life extension of fresh poi by gamma irradiation, 23:10147 (UH-235-P-5-3, pp 149-54)
MOY, James H. Disinfestation of fruits and vegetables by γ irradiation, 23:18159 (CONF-681006-, pp 109-15)
Effects of irradiation and refrigeration on guava puree concentrate, 23:8099
MOY, R. H. Immunologic unresponsiveness during secondary disease. II, 22:43199 (ACRH-28, pp 47-55)
MOY, T. Determination of ^{233}U and ^{236}Pu in irradiated nuclear fuel, 25:23521 (KFK-1128)
Determination of ^{233}U and ^{236}Pu in irradiated nuclear fuels, 25:44336 (EURFNR-872)
MOYAL, J. E. Characterization of criticality for one-dimensional transport processes, 22:32463
Stochastic population process and its application to bubble chamber measurements, 21:8588
MOYAL, M. Uranium find in the Niger, 22:25549
MOYAR, G. J. Computer model of the rheological properties of nuclear fuels, 21:8165
In-pile mechanical properties of nuclear fuels, 21:8161
In-reactor mechanical properties of nuclear fuels, 21:11296 (KAPL-P-3177)
JEFF: a program for analysis of swelling of porous-oxide fuels, 21:8131
Literature survey on in-pile mechanical properties, 23:11354 (KAPL-3453)
LWB/LSBR development program: in-pile mechanical properties of nuclear fuels, 23:9242 (KAPL-3167)
NUKER: a program for thermal and mechanical analysis of fuel rods, 21:8130
NUKER: program for thermal and mechanical analysis of fuel rods, 21:1157 (CONF-661001-26)
MOYER, B. J. Branching ratio GAMMA(eta $\rightarrow$ $3\pi^0$)/GAMMA(eta $\rightarrow$ 2γ) measured using 4π spark chamber, 22:7425
Isospin $^1/_2$ amplitudes in the π—N interaction, 21:4049
MOYER, Burton J. Survey of π—N scattering, and T = $^1/_2$ amplitudes, 23:16932
MOYER, C. B. User's manual for two-dimensional axisymmetric transient heat conduction material ablation computer program, 25:28883 (SC-DR-70-510)
MOYER, Charles E. Jr. Isomerization and disproportionation of trihalobenzenes catalyzed by potassium anilide in liquid ammonia, 25:26222
MOYER, Curt A. Integral equation for a particle in an electric field, 25:17428
MOYER, E. Electron paramagnetic resonance in analytical chemistry, 25:31
MOYER, E. S. Analytical separation and analysis of a multicomponent system by electron paramagnetic resonance, 24:20691
Analytical separation and analysis of a multicomponent system by electron paramagnetic resonance, 25:31812
Electron spin resonance for determinations of Gd, Cr, Fe, Cu, and Mn, 24:6
Separation and determination of molybdenum by electron paramagnetic resonance, 25:51366
MOYER, James W. Preparation of ZrX$_4$ single crystals and differential reduction of Zr from Hf in molten Al$_2$X$_6$, 24:18974
MOYER, Kenneth H. Correlation of mechanical properties of sintered U-700 powder with particle boundary morphology, 25:55484
MOYER, LeRoy Theory of pion—nucleus scattering lengths, 24:6969
MOYER, M. W. Acoustic emission for nondestructive testing and certification, 23:16058 (Y-DA-2855)
High frequency modulation of monoenergetic neutrons with a quartz piezoelectric crystal, 21:36457
Modulation of diffracted neutrons with a piezoelectric crystal, 21:2595
MOYER, N. E. X-ray lattice-parameter studies of electron-irradiated silicon, 22:37019
MOYER, Norman Edward X-ray study of the lattice parameter of silicon, 23:27680
MOYER, R. A. Analysis for impurities by nuclear scattering, 25:15528
Anomalous behavior of l = 0 transitions in ^{98}Mo(d,p) and ^{100}Mo(d,t) reactions, 24:15945
Anomaly g/sub $^7/_2$/—h/sub $^{11}/_2$/ in stripping studies near A = 110, 23:15441
Calculated and measured effectiveness of ^{252}Cf source shielding, 25:50613 (CONF-710402-(Vol.2), pp I.187-95)
E0 transitions from $O_2^+ \rightarrow O_1^+$ states in the Z = 82 region, 24:38279
Energy levels of ^{195}Au, 24:49893
Excitation of states in ^{207}Pb, 25:12569
High-resolution studies of (d,p) reactions on ^{114}Cd and ^{115}In, 22:14037
High-resolution study of the ^{54}Fe(t,p)^{56}Fe reaction, 21:31760
Nuclear-structure studies in Mo and Nb isotopes via stripping reactions at 12 MeV, 24:1863
Nuclear-structure studies with (d,p) reactions on ^{106}Pd and ^{108}Pd, 21:44696
Nuclear-structure studies with (d,t) reactions on ^{110}Pd, ^{108}Pd, and ^{104}Ru, 24:40654
Savannah River experience with transplutonium elements, 23:16317
Spectroscopic studies of molybdenum isotopes with (d,t) reactions, 24:40648
Spectroscopic-factor ratios for (d,p) reactions, 23:37274
MOYER, R. D. Installation of electrical length standard and construction of improved electrical length bridge, 25:54381 (SC-DR-710384)
MOYER, Robert F. Effect of x-irradiation on the lung, 23:45916
MOYER, Stanley Thermal discharges from large nuclear plant, 24:16115
MOYER, W. R. A medium fast time-of-flight front end, 21:32439
Capture cross section of ^{240}Pu, 24:33154
Data reduction with a small remote computer linked to a CDC-6600, 23:5764
Gamma-ray spectra from radiative capture of thermal and resonance neutrons in mercury and tungsten, 21:23529
Nanosecond timing for a large liquid scintillator, 24:4446
Nanosecond timing for a large liquid scintillator, 24:14293 (RPI-328-175)
Neutron capture resonances of W in range 150 eV to 100 keV, 23:5899
Neutron radiative capture and transmission measurements of W and Zr isotopes, 23:37197
Neutron radiative capture in keV region, 23:5855
Neutron radiative capture in Na, Al, Fe, and Ni, 22:44627 (TID-24601)
Neutron radiative capture in Na, Al, Fe, and Ni from 1 to 200 keV, 23:30975
Resonance parameters of ^{240}Pu from 20 to 500 eV, 25:25726 (RPI-328-223)
Small computer as an interface, 24:8775 (CONF-690301-, pp 472-6)
MOYER, William R. Photoneutron reactions in ^{16}O, 21:15507
MOYERS, J. C. Investigation of the economics of regenerative feedwater heating in dual-purpose nuclear desalination plants, 21:30243 (ORNL-TM-1563)
MOYES, R. B. Metal-catalyzed hydrogen exchange between pyridine and deuterium, 25:48511
Third-body coefficients of H_2O and D_2O in the $H_2 + O_2$ and $D_2 + O_2$ reaction, 24:36212
MOYLE, R. A. Reaction mechanisms of ^{10}B(d,α)^{8}Be$_{2}$ $_{,}$(α)^{4}He for E/sub d/ = 0.4, 1.0, and 1.5 MeV, 25:56673
MOYLE, W. F. Conformal-coating, 25:20849 (BDX-613-257)
Conformal-coating, 25:20850 (BDX-613-265)
Prog. rpt. on conformal-coating, 2/71, 25:37163 (BDX-613-286)
MOYLE, Wm. F. Flow soldering and supporting processes, 25:44227 (BDX-613-330)
Prog. rpt. on conformal coatings, 5/71, 25:41627 (BDX-613-341)
MOYNIHAN, C. T. Viscosity and density in molten BeF$_2$—LiF solutions, 23:25000
MOYNOT, M. Film advance system of a spiral reader, 23:47827
Video signal processing of a spiral reader, 23:47837
MOYO, J. Electrical resistivity of NbO, 25:19868
MOYZIS, J. A. Jr. Effect of pressure on f number and isomer shift for ^{57}Fe in Cu, V, and Ti, 22:46229
Effect of pressure on isomer shift of ^{57}Fe in bcc phase, 22:36976
MOYZIS, Joseph Andrew Jr. High-pressure Moessbauer studies on Fe and its dilute alloys, 22:17722 (COO-1198-512)
MOZAI, Toshiji Distribution of mercury in the brain and its subcellular units in experimental organic mercury poisonings, 21:14568
MOZALEVSKII, I. A. Magnetic characteristics of deflecting magnet and quadrupole lenses for beam forming in the proton synchrotron, 23:32864 (IFVE-OP-68-62)
Magnetic characteristics of units of ring magnet of 70-GeV proton synchrotron, 23:30849 (CERN-Trans-69-4)
MOZBERG, R. K. Structure and wear-resistance of dense alloys of TiC—Ni—Mo type, 25:16594
MOZDOR, E. V. Electron structure of radicals of γ-irradiated glycine and tyrosine, 23:26296
MOZER, B. Localized modes, resonant modes, and impurity vibrational bands in V alloys, 24:10617
MOZER, F. S. Development of a double layered scintillator for separating and detecting low energy protons and electrons, 22:40420
Electric field component of waves in auroral ionosphere, 24:42565
Electric field mapping in the ionosphere at the equatorial plane, 24:23879
Electric field measurements in the auroral ionosphere, 21:13448
Electric fields in the nighttime and daytime auroral zone, 25:55960
Equatorial proton and electron angular distributions in the loss cone and at large angles, 25:56027
Inner-belt protons and radial diffusion, 21:37287
Magnetopause electric field from energetic particle measurements, 25:16941
Magnetospheric electric field measurements, 23:44326
Magnetospheric electric field properties deduced from simultaneous balloon flights, 25:22413
Operation of dc electric field detector, 25:9301

Parallel and perpendicular electric fields in an aurora, 25:9303
Power spectra of the magnetospheric electric field, 25:40482
Rapid variations of auroral particle fluxes, 22:15417
Relationship between magnetospheric electric fields and the motion of auroral forms, 25:47400
MOZER, Forrest S. Power spectra of the magnetospheric electric field, 25:47385 (AD-717350)
Radioactive sensor for measuring liquid levels, 24:2508
MOZGOVA, L. A. Radiosensitivity of cell population of lymphoid tissue, 24:648
MOZHAEV, A. M. Relationship between traveling ionospheric disturbances and E/sub s/, 25:47435
MOZHAROV, N. A. Selection of parameters of an atomic energy plant with high productivity distillation of sea water, 23:4399
MOZIN, I. V. Magnetometer for measuring constant and pulsed magnetic fields, 25:49045
MOZISEK, M. Thermoluminescence of some irradiated polymers, 21:24029
MOZISEK, Max Radiothermoluminescence of polyethylene and polypropylene, 24:11596
Thermoluminescence of some irradiated polymers, 22:42785
MOZISEK, Maxmilian Temporal conversion changes of radiation grafting of poly(tetrafluoroethylene) with vinyl acetate, 24:228
MOZLEY, James Factors influencing information content of brain images, 25:32477
What do rectilinear scanning devices see, 25:32242
MOZLEY, James M. Absorbed dose considerations for radiopharmaceuticals, 25:4511
Current status of brain scanning, 25:35177
Longitudinal tomographic radioisotopic imaging with a scintillation cameras, 24:12156
MOZLEY, R. Multibody photoproduction between 2 and 16 GeV, 24:28473
Photoproduction of vector mesons with 16 GeV bremsstrahlung beam, 23:21038
Rho production from hydrogen by 16 GeV bremsstrahlung, 22:48212
Streamer chambers, 22:21350 (CONF-670923-, pp 571-85)
MOZLEY, R. F. Pi-pair production with polarized X-rays, 22:39321
MOZOL'KOV, A. E. Boundaries of stability of spatially homogeneous distribution in the system of particles with depression in interaction potential, 25:50035
MOZRZYMAS, J. Connection of internal and relativistic symmetries and dynamics in the underlying spinor space, 21:27389
Fibre bundle C(N) and connection of SU(2)/sub J/ and SU(N) symmetries, 22:13808
Infinite dimensional solutions of the generalized Feynman—Gell-Mann equation, 21:7529
Quasiquarks and cross-sections of the bundle C(N), 22:13809
SU(4)-symmetry and hydrogen atom, 21:26978
MOZSA, Szabolcs Assessment of chronic low-dose radiation load of radiologists, 25:16189
Hematologic examinations in assessment of chronic radiation loads of radiologists. III, 25:29595
Hematologic examinations of chronic radiation load of radiologists, 25:19142
MOZUMDER, A. Charged particle tracks and their structure, 24:20806
Conference on radiation chemistry of water, University of Notre Dame, Indiana, 10/66, 21:21965 (COO-38-519)
Electrostatic model for the theory of ionic recombination rate, 21:40918
Model of tracks of heavy particles in water, 22:29272
Theory of ionic neutralization rate following absorption of radiation in condensed phase, 22:29291
Theory of neutralization of an isolated ion pair, 22:26234
Theory of radiation chemistry. IX, 23:47499
Theory of radiation chemistry. IX, 23:19772
Theory of radiation chemistry. VII, 21:100
Theory of radiation chemistry. VIII, 21:40928
MOZUMDER, Asokendu Conference on very early effects, Buenos Aires, 3/70, 24:36267 (COO-38-738)
MOZUNDER, Asokendu Energy transfer in radiation chemistry, 24:16608
MOZZHIMAS, Ya. Expansion of finite groups and interactions of elementary particles, 22:9658
MOZZHUKHIN, A. S. Influence of radiation-protective preparations on functional state of human organism, 21:16375 (JPRS-38272, pp 366)
MOZZHUKHIN, A. S. Chemical protection from injury by neutrons, 24:12110
Influence of cystamine on white blood cells of dogs after x irradiation, 21:36663
Influence of the prophylactic administration of cystamine on the bioelectric activity of certain portions of the brain, 24:39523
Role of chain-radicals processes' inhibition in chemical prophylaxis of radiation injuries, 22:28548
Role of internal medium of brain in mechanism of protective responses during irradiaton, 25:44943
MOZZHUKHIN, A. V. Decay of ^{66}Ge, 25:28272
MOZZHUKHIN, E. I. Effect of temperature on physical properties of two- and three-phase titanium—tungsten solid solutions, 24:27784
Metals and alloys with inclusions of dispersed impurities of high melting compounds and fibers, 21:39674
Reaction of impurities of aluminum oxide with tantalum, 24:9304
Temperature effects on internal friction of molybdenum wire, 21:32892
Wetting of tungsten and molybdenum by melts based on potassium, silicon, and aluminum oxides, 25:49447
M'PHERSON, P. K. Dynamics analysis of a nuclear boiler, 22:6048
MRACEK, M. Regulation of biosynthesis of secondary metabolites. XI, 23:22440
MRAK, E. M. Advances in food research. XVII, 24:34812
MRAZ, F. R. Effect of dietary strontium on reproductive performance of the laying hen, 21:45571
Effect of whole body gamma irradiation on white leghorn and bobwhite quail, 24:25564
Effect of whole body gamma radiation on egg production and mortality in White Leghorn chicken, Cortunix quail, and Bobwhite quail, 24:12241 (ORO-672, pp 105-6)
Metabolism of fission products and related nuclides in poultry, 24:11911 (ORO-672, pp 100-4)
Metabolism of fission products and related nuclides in poultry, 25:16002 (ORO-678, pp 94-101)
Transfer to egg and chick of ^{89}Sr, ^{45}Ca and ^{133}Ba when administered to hens, 21:41331
MRAZ, Frank R. Calcium and Sr metabolism in quail, 23:47937
Effect of ^{131}I on white leghorn, 23:22417
Embryonic uptake of ^{45}Ca and ^{85}Sr, 24:41746
Toxicity of high levels of ^{65}Zn to avian embryos, 24:16964
MRAZ, J. Calcifications after whole body irradiation in DHT-sensitized rats. II, 25:24401
Calcifications after x irradiation of DHT-sensitized rats. I, 25:26933
Comparison of supportive therapy with effect of bone marrow in dogs, 25:24417
Development of calcifications after whole-body irradiation in rats sensitized with DHT. II, 25:26977
Development of calcifications after whole-body irradiation in rats sensitized with DHT. I, 25:26978
Effect of dislocation defects in germanium monocrystals on Ge(Li) detector properties, 25:37617
Experimental therapy of acute radiation sickness, 22:51864
Experimental treatment of acute radiation sickness, 22:51861
Kinetic model of stem-cells and proerythroblasts populations in the postirradiation bone marrow injury, 25:2590
Lethally irradiated rats treated by homologous bone marrow cells, 23:50846
MRAZEK, F. C. Uranium diboride: preparation and thermodynamic properties, 23:41707
MRAZEK, Libor Application of absorption method using the gamma radiation with two different energies for continual analysis, 25:2111
MRAZEK, R. V. Heats of formation of three oxides of rhenium, 24:2999 (BM-RI-7323)
MRDJENOVICH, R. Surface tension of Fe—Y and Fe—C—Y alloys at 1550°C, 24:42119
MREANA, G. Activity of some thymic extracts on hepatic nucleic acids and β-glucoronidase in thymus of irradiated mice, 23:26699
MRINAK, J. Scintigraphic localisation of the kidneys for percutaneous renal biopsy, 25:26821
MRKOUS, P. Oxidation of Zr—0.8 percent Cu—0.8 percent Mo alloy in carbon dioxide, 25:42809
MRKOUS, Pavel Corrosion of zirconium and its alloys, 22:21660
Hydrogen peroxide determination in irradiated heavy water saturated with carbon dioxide, 21:1392
MRNKA, M. Extraction of hydrochloric acid and uranyl chloride by N-octylaniline, 22:33533
MRNKA, Miroslav Extraction of metals by amines. II, 25:41900
MROCHEK, J. Activities of tributyl phosphate in tributyl phosphate—uranyl nitrate—water solutions, 22:6404
Thermodynamics of two-phase system: $H_2O—UO_2(NO_3)_2—$TBP—Amsco 125-82, 24:29375
MROCHEK, J. E. Developments in the agro-industrial complex studies, 24:29070
Economics of hydrogen and oxygen production by water electrolysis and competitive processes, 23:28778 (CONF-680810-, pp 107-22)
Generalized capital and operating costs for power-intensive and allied industries, 24:9127 (ORNL-4296)
Laboratory studies of electrolysis of water, 21:5845 (ORNL-TM-1716)
Role of electricity-intensive industries in the economics of nuclear power, 24:28920
MROCHEK, John E. Prog. rpt. on body fluid analyses program, semiannual, 9/69—2/70, 24:33593 (ORNL-TM-2966)
MROCZKOWSKI, S. Hydrothermal growth of single crystals of heavy rare earth hydroxides, 25:41704 (YALE-3227-66)
Solubility of $Er(OH)_3$ under hydrothermal conditions, 25:51470 (CONF-711001-(Vol.2), pp 573-83)
MROST, M. Bacterial oxidation of witwatersrand slimes, 25:23675
MROWEC, S. Two-stage oxidation using tracers, 24:12365
MROZOWSKI, S. Electron spin resonance in turbocrystalline carbons. I, 22:41693
Negative magnetoresistance in neutron-irradiated graphite, 25:56319
MROZOWSKI, T. Application of saturable reactors to non-regulated dc power supplies feeding pulsating loads, 21:19990 (PPAD-616-D)
MRTEK, R. G. Deuterium oxide on the saprophytic culture of Claviceps. I, 21:16268
Effect of deuterium oxide on the saprophytic culture of claviceps. II, 22:8456
MRTEK, Robert G. Synthesis and biological activity of deuteriobenzyl-d_7-penicillin, 25:10560
Synthesis of deuterio-l-amphetamine, d_1 sulfate, 23:26249
MRTEK, Robert George Deuterium isotope effects in Claviceps purpurea, 22:38228
MRUK, Wieslaw Target-current integrator with digital readout, 21:28326
MRYGON, B. Critical magnetic scattering of neutrons, 22:1568
MTSKHVEGADZE, A. V. Radiation effects on transmission of excitation in the autonomic ganglion, 24:7993
MTSKHVETADZE, A. V. Blood cholinesterase activity in radiation treatment of lymphogranulomatosis, 23:31660
Changes in interneuronic correlations of the sympathetic ganglion immediately after exposure to irradiation, 24:48665
Direct and mediated influence of radiation on the transmission of excitation in the upper cervical sympathetic ganglion of the cat, 23:5016
Disturbing transmission of excitation in sympathetic ganglia of irradiated organisms, 23:38460
Influence of ionizing radiation on the presynaptic terminals, 24:27695
State of the mediator link in the nervous system ganglia immediately after irradiation, 23:38416
MU, Tsun Investigation of reactions $\pi^- + p \rightarrow \pi^+ + \pi^- + m\pi^0 + n$ and $\pi^- + p \rightarrow 2\pi^+ + 2\pi^- + m\pi^0 + n$ at π^--meson momentum 4 GeV/c, 21:31535
MUAN, Arnulf New cell for electrochemical studies at elevated temperatures, 23:15851
Phase relations in the system $FeO—Fe_2O_3—ZrO_2—SiO_2$, 21:22928
MUBARAK, M. A. Detection and measurement of fallout radioactivity at Pinstech, 22:51097 (PINSTECH/HP-3)
Detection and measurement of radionuclides in the cooling system, 24:11276
Estimation of γ flux at thermal column of Pakistan research reactor, 22:53421 (PINSTECH/HP-5)
Ion exchange properties of pinstech soil for the disposal of liquid radioactive waste directly into the ground, 23:21927 (PINSTECH/HP-7)
Production of first commercial batch of radioactive isotopes at PINSTECH, 23:21895 (PINSTECH/RIPD-1)
MUBARAK, Mohammad A. Description of hot facilities at Pakistan Inst. of Nuclear Science and Tech., Pakistan, 25:8449 (CONF-691008-18)
MUBARAKMAND, S. Fast neutron time-of-flight spectrometer, 24:50580
Neutron detection efficiency of an organic scintillator, 25:37615
Parities of states in ^{15}O and ^{33}Cl, 21:29887
Reactions ^{22}Ne(d,n)^{23}Na and ^{28}Si(d,n)^{29}P, 21:29927
MUBAYADZHYAN, M. A. Separation of Re from Mo and W by acetone extraction, 25:34525
MUBAYI, V. Superconductivity in interacting chains: some exact results, 25:33185
MUCCI, John Francis Experimental study of reactions $K^- + p \rightarrow \pi^- + \Sigma^+$ and $K^- + p \rightarrow \pi^- + Y_1^*$ (1385) at 8 and 16 GeV/c, 25:22697
MUCCI, R. F. Scanning-system parameters, 24:16868
MUCHA, F. Coating of nuclear fuel particles with pyrolytic graphite in fluidized bed, 22:45804 (SGAE-M-16/1968)
MUCHA, Franciszek Structure of pyrolytic carbon coatings on U dicarbide particles, 21:6883 (INR-753/IV,II/C)
MUCHA, Raymond Independent radiation monitor, 23:29154
MUCHA, Viliam Heterogeneous catalysis and ionizing radiation, 22:40124
MUCHA, Z. Application of the theta-pinch effect for generation of strong shock waves, 21:29290
MUCHIN, I. E. Fallout of ^{90}Sr on Ukrainian SSR, 25:16070 (AEC-tr-7214, pp 249-66)
MUCHIN, S. V. Testing of SKP-1 controllable fast-response photomultiplier, 21:3345 (UCRL-Trans-1335)
MUCHNIK, G. F. Application of gas-dispersed media in EGD generators, 24:47074
Normal spectral emissive power of W, Nb, Mo, and Ta, 25:40027
MUCHNIK, L. N. Operating experience of ships with atomic power plants, 22:10053 (JPRS-43550)
MUCHNIK, M. Cross section of ^{238}U fission induced by γ rays, 21:4301
MUCHOW, G. M. Equation for exposure—dose rate due to x-ray continua, 21:41413
MUCK, A. Infrared spectra of CeO_2, Pr_6O_{11}, Nd_2O_3, and Sm_2O_3, 21:40838
MUCKENTHALER, F. J. Angle dependent spectra emergent from slab shields, 22:36960 (K-DP-3106)
Angle-dependent spectra emergent from slab shields, 22:32442
Calculation of doubly differential current albedos for epicadmium neutrons incident on concrete and comparison of the reflected subcadmium component with experiment, 21:21025
Calculations of neutron fluxes and dose rates along center lines of square concrete ducts, 22:1288 (ORNL-4147)
Calculations using albedo concept of subcadmium flux along center line of a straight, a two-legged, and a three-legged square concrete duct arising from incident subcadmium neutrons, 21:3909 (ORNL-P-2672)
Calculations using the albedo concept of the subcadmium flux along the center lines of one-, two-, and three-legged square concrete ducts, 21:7321
Calibration of Bonner ball neutron detectors used at Tower Shielding Facility, 25:42055 (ORNL-TM-3465)
Development of two-dimensional discrete ordinates transport theory for radiation shielding, 24:51761 (CTC-INF-952)
Differential neutron current albedos for concrete in incident energy range 0.5 eV to 200 keV, 21:18781 (ORNL-3967(Vol.1))
Fast-neutron dose rate transmitted through LiH shield when used as a window in iron—oil shield mockups, 23:37662 (ORNL-TM-2542)
Gamma energy spectrum above 1 MeV caused by thermal neutron absorption in ^{238}U, 24:6911
Gamma-ray response of NE-213 liquid scintillation detector, 22:49072 (ORNL-TM-2273)
Gamma-ray spectra arising from fast-neutron interactions in Fe, Al, Cu, Zn, and Ti, 24:33135
Gamma-ray spectra arising from fast-neutron interactions in elements found in soils, concretes, and structural materials, 24:52474 (ORNL-4475)

  Gamma-ray spectra arising from fast-neutron interactions in elements found in soils, concretes, and structural materials, 25:7440
  Gamma-ray spectra arising from thermal-neutron capture in Fe, Al, and Cu, 23:3545
  Gamma-ray spectra arising from thermal-neutron capture in Si, Ca, K, Na, and Ba, 23:37162
  Gamma-ray spectra arising from thermal-neutron capture, 23:46943 (ORNL-4382)
  Gamma-ray spectra arising from thermal-neutron capture in Ti, Ni, Zn, Cl, S, and stainless steel, 24:6861
  Gamma-ray spectra arising from thermal-neutron capture in elements found in soils, concretes, and structural materials, 25:3181
  Low-energy neutron spectrum of ORNL tower shielding reactor beam, 24:46089 (ORNL-TM-3098)
  Measurements and single-velocity calculations of differential angular thermal-neutron albedos for concrete, 21:11683
  Measurements and single-velocity calculations of differential angular thermal-neutron albedos for concrete, 21:35392 (ORNL-4090)
  Monte Carlo calculations of fast-neutron dose rates center lines of concrete open ducts, 21:21026
  Neutron fluxes in concrete ducts arising from incident thermal neutrons: calculation and experiment, 21:42152
  Neutron fluxes in concrete ducts arising from incident epicadmium neutrons, 22:5751
  Neutron fluxes in concrete ducts due to incident epicadmium neutrons, 21:29324 (ORNL-TM-1794)
  Neutron transport studies in ducts and simple shields, 22:7338 (ORNL-TM-1965)
  Neutron transport studies in ducts and simple shields, 23:13473 (AERE-R-5773(Vol.4), pp 935-88)
  ORNL-SNAP shielding program, 25:36250 (ORNL-TM-3364)
  Power and fission distribution, 23:28591
  Spectra of uncollided fission neutrons transmitted through thick samples of N, O, C, and Pb: minima in total cross sections, 21:21442
  Subcadmium flux along centerlines of square concrete ducts from epicadmium neutrons, 21:37539
  Total gamma-ray energy spectrum above 1 MeV from neutron interactions in ^{235}U and ^{238}U, 25:56745 (ORNL-4691)
MUCKER, K. F. Structures of solid deuterium above and below the lambda transition as determined by neutron diffraction, 22:47132
MUCKER, Kenneth Refinement of the crystal structure of ThCl$_4$, 24:11516
MUCKERMAN, J. T. Internal excitation in nonreactive molecular collisions, 22:43891
  Internal excitation in nonreactive molecular collisions, 23:12583
  Investigation of backscattering in D$^+$—H$_2$ reaction system, 25:30291
  Isotopic studies of the proton—hydrogen molecule reaction, 25:15596
  Monte Carlo calculations of energy partitioning and isotope effects in reactions of fluorine with H$_2$, HD, and D$_2$, 25:15602
  Rotational sub-excitation resonances in slow molecular collisions, 22:29283
  Treatment of compound-state resonances in scattering of atom by a diatomic molecule, 24:21594
MUCSI, Ilona Effect of uv and heating on human adenoviruses, 23:29912
  Ultraviolet-irradiated adenovirus type 8, 24:51113
MUCSI, O. Radiosensitivity of E. coli B cultures. II, 21:13077
MUDD, R. D. Analysis of effect of potential reactor cooling ponds on Hanford groundwater system, 25:37103 (BNWL-1507)
  Analysis of hydrological factors influencing operation of 100-N emergency waste disposal Crib, 25:13186 (BNWL-1503)
  Analysis of hydrological factors influencing Gable Mountain irrigation project, 25:34715 (BNWL-1502)
MUDD, William L. Spallation criteria for numerical computations, 23:6639 (LA-4013)
MUDERSBACH, K. Generalized neutron particle-hole states in ^{143}Nd, 24:40632
  Proton decay of isobaric analog resonances in ^{141}Pr to particle-hole states in ^{140}Ce, 22:20632
MUDGE, L. K. Demonstration of Salt Cycle process in high-level radiochemical facility, 21:14283 (BNWL-355)
  Engineering development of the salt cycle process, 21:17699 (BNWL-354)
  Hanford Salt Cycle process. II, 21:10413 (HW-SA-3527)
MUDRETSOVA, S. N. Thermodynamics of system Ca—W—O, 22:16504
MUDROVA, B. Determination of isotopic carriers in radioactive preparations of high specific activity by radiometric titration. I, 24:13771
  Determination possibilities of isotopic carrier and non-isotopic impurity amounts in high specific radioactive preparations, 22:25243 (UJV-1916)
  Methods for production of carrier-free ^{52}Mn and ^{54}Mn, 21:21975
  Production of ^{85}Sr on cyclotron, 23:45329
  Production of carrier free ^{52}Mn, 24:22673 (UJV-2299-CH)
  Production of carrier-free radiostrontium ^{85}Sr, 25:4126 (UJV-2431-Ch)
  Simple equipment for titration, measurement, and mixing of very small volumes of solution, 24:29186
  Substoichiometric determination of Mn in the reagents and in the target material in ^{52}Mn production by activation analysis, 21:21869
MUDROVA, Blazena Use of thenoyltrifluoroacetone for the determination of manganese by activation analysis, 21:12343
MUDZHAVIDZE, I. D. Consequences of Regge interaction of hadrons in quark model, 23:49120
MUECK, G. H. Inspection and safety in the construction of thick-walled structural elements, 24:25713
MUECK, Guenther H. Welding and testing problems with pressure vessels of large wall thickness, particularly with reactor vessels, 25:37941
MUECK, H. J. Experiences with coupled computers to control an HPD, 25:13276 (CERN-70-21(Vol.2), pp 721-7)
MUEH, H. Central air-monitoring system for an industrial radiochemical plant, 24:31565
  Sodium-22 deposition by rain in 1968, 23:45416
MUEH, Helmut Radioisotopes as air mass indicators, 21:6082
MUEHE, L. Individual tension components for vertical prestress with breaking loads above 1500 Mp, 25:31663 (EUR-4531, pp 489-505)
  Polygonally directed, wound ring stress reinforcements with several intermediate fastners for all stress wire rings (PRISMA system), 25:29939 (EUR-4531, pp 433-44)
MUEHL, A. Determination of ^{15}N by emission spectroscopy, 25:18344
  Improvements in determination of ^{15}N in low concentration range by emission spectroscopy, 25:23508
  Simple conversion of a spectrograph to a recording spectrometer, in particular for the measurement of the relative abundances of N isotopes, 22:21393
MUEHL, P. Dependence of activity yield and specific activity on irradiation time by Szilard—Chalmers processes: metal phthalocyanines, 22:33429
  Extractive purification of Mo(VI) in hydrochloric acid solution. II, 22:6417
  Production of carrier-free /sup 114m/In by Szilard—Chalmers enrichment from metal phthalocyanines, 22:16616
MUEHL, Peter Extraction of molybdenum(VI) with aniline from hydrochloric acid solutions, 24:48162
MUEHLAEUSER, O. Development of a completely hydraulically actuated and controlled shutdown and control system for water and steam-cooled reactors, 22:46897 (EURFNR-497)
MUEHLBACH, H. Dislocation relaxation in Mo single crystals, 24:6649
MUEHLBAUER, K. Automation of the curved crystal spectrometer at Risoe, 24:46501
MUEHLBAUER, Klaus Gamma spectrum following neutron capture in ^{153}Eu, 24:11021
MUEHLBERGER, F. Determination of cement in concrete, 24:22612
MUEHLE, K. Advances in the field of separating stable isotopes by chemical exchange, 21:19738
  Enrichment of ^{34}S. II, 24:25218
  Enrichment of ^{34}S. III, 24:25221
  Enrichment of stable isotope ^{34}S. I, 24:11670
  Mass-spectrometric isotope analysis. II, 23:31285
MUEHLE, R. Interactions of 14-MeV neutrons with ^{10}B, 21:44568 (ZFK-122, pp 201-6)
  Investigation of ^{6}Li(^{6}Li,n)^{11}C reaction with threshold energy of 1.9 MeV, 23:21269 (ZFK-130, pp 170-3)
  Investigation of reaction ^{16}O(n,α)^{13}C with 14.1-MeV neutrons, 23:21265 (ZFK-130, pp 148-51)
MUEHLECK, B. Electrical network and proposed guidelines for a 600 MW nuclear power plant, 23:47204
MUEHLEHNER, G. Section imaging by computer calculation, 25:21758
MUEHLEISEN, Hermann Effects of tanderil on radiosensitivity, 25:13476
MUEHLEMANN, P. Angular distribution and polarization in backward peak of $\pi^- p \to \Lambda K^0$ at 4 and 6.2 GeV/c, 24:51982
  High-precision geometrical and kinematical analysis of magnet spark chamber events, 24:36613 (CERN-70-17)
MUEHLENING, M. Decontamination of cereals and cereal products, 21:28433 (EUR-3179.d)
MUEHLENPFORDT, J. Institute of Stable Isotopes at Leipzig, 21:1438
MUEHLETHALER, J. P. Chronic radiation nephritis after exposure in utero, 23:26946
MUEHLHAEUSER, O. Evolution of completely hydraulic driven and controlled control and shut off system for water or steam cooled nuclear reactors, 22:37444 (KFK-665)
  High efficiency hydraulically damped spring assembly as braking and cushioning element for nuclear reactor control rods, 23:2460 (KFK-735)
  High-efficiency hydraulically damped spring bank for braking and intercepting nuclear reactor control rods, 23:9240 (EURFNR-530)
  Hydraulic control rods. Ideas and investigations for the development of fully hydraulically operated and controlled control and shutdown systems for water and steam cooled nuclear reactors, 25:60047
  Hydraulic or pneumatic device for reading the position of a control rod in a nuclear reactor, 24:9710 (KFK-951)
  Hydraulic potentiometer as a control element and travel indicator, 23:16176 (EURFNR-543)
  Hydraulic/Pneumatic device for indicating the position of control rod in nuclear reactor, 24:18789 (EURFNR-683)
MUEHLHAUSE, C. O. Material radiation environment, 22:19676
  Measurement of thermal neutron flux, 21:32450
  National Bureau of Standards Reactor (NBSR), 22:25113
  NBSR converter tube, 21:8083
  Reactor neutron field measurement, 23:4470
MUEHLHAUSER, J. Diagonal conducting wall generators, 22:52566
MUEHLICH, H.-E. Radiation therapy of actinomycosis, 21:45676
MUEHLING, G. Plutonium distribution in molten (U, Pu)O$_2$ fuels, 22:8837
MUEHLLEHNER, G. Diverging collimator, 24:31682
  Diverging collimator for gamma-ray imaging cameras, 24:16841
  Reactions ^{208}Pb(d,p) and (d,t) with 15- to 25-MeV deuterons, 21:38360
  Tomographic imaging with the scintillation camera in the detection and characterization of brain lesions, 25:24259
  Tomographic scintillation camera, 25:18697
MUEHLLEHNER, Gerd Reaction ^{208}Pb(d,t)^{207}Pb with 15 to 25 MeV deuterons, 21:33959 (COO-1112-109)
  Reaction ^{208}Pb(D,T)^{207}Pb with 15 to 25 MeV deuterons, 21:35493
MUEHLNER, Dirk Isotropic background radiation in the far infrared, 24:30122
MUEHLPFORDT, Werner Knowledge of magnesium—europium system. IV, 24:46747
  Knowledge of Mg—Eu systems. III, 23:8226
MUEL, B. Inactivation of the scrapie agent by near monochromatic ultraviolet light, 25:8805
  Narrow band uv irradiation, 24:822
MUEL, Bernard Irradiation of ribosomes by ultraviolet: action spectrum of inactivation of synthesis function, 24:50763
  Radiobiological study of interferon formation, 24:50766
  Ultraviolet irradiation of ribosomes, 24:48393 (ANL-Trans-844)
MUEL, J. Original neutron generator using a short structure accelerating system and turbomolecular pumping, 21:38011
MUEL, Jacques Accelerators for laminated beams, 22:44545
  Effect of 1-MeV electron radiation on silicon solar cells, 22:7189
MUELEMAN, Johannes Method of making a nuclear particle detector, 25:21409
MUELLENSIEFEN, A. Compilation of coupling constants and low-energy parameters, 25:30841
  Pion photoproduction and fixed-t dispersion relations, 23:5573
MUELLENSIEFEN, Alfred Nucleus—nucleus scattering at high energies, 25:31234
MUELLENSIEFFEN, A. Multipole-analysis in π^0-photoproduction on protons below E = 234 MeV, 22:29662
MUELLER, A. Abnormalities induced by irradiation of Arabidopsis thaliana pollen grains, 24:48515
  Action of heat and ionizing radiation on infectivity of isolated phiX-174 DNA, 22:38504
  Building cost of nuclear power stations, 24:18673 (KFK-964, Sect. 11.1-11)
  Calculation of resonance integrals and initial conversion ratios of rod cluster fuel elements, 21:40442
  Calculation of temperature-dependent effective neutron cross-sections, 22:35709
  Commissioning of Nuclear Power Station Gundremmingen, 21:42778
  Dalitz plot analysis for decay eta $\to \pi^+\pi^-\gamma$, 22:17846
  Dalitz plot analysis for the X^0 decaying into eta$\pi^+\pi^-$, 23:42655
  Dalitz plot analysis of decay eta $\to \pi^+\pi^-\pi^0$, 22:34831
  Formation of radicals in nucleic acids, nucleoproteins, and their constituents by ionizing radiations, 21:43335
  Infrared spectra of the pertechnetates and ferrhenates of tetrabutylammonium and tetraphenylarsonium, 21:32166
  Isotope-exchange reaction studies in a once-through fluid column, 23:28992
  Mechanism of radiation damage to DNA, 23:13784
  Production of atomic hydrogen in gamma-irradiated bacteriophage and its DNA, 22:45415
  Reactions of TcO$_4^-$ and ReO$_4^-$with hydrogen sulfide, preparation of tetrathiperrhenate ions in solution, 22:2083
  Reactivity effects and efficiencies of control rods, 23:34895
  Reference studies for 1000 MW(e) steam-cooled fast-breeder reactor (D 1), 21:23604 (KFK-392)
  Reference study for the 1000 MWe steam-cooled fast breeder reactor (D 1), 21:19393 (ORNL-tr-1541)
  Safety aspects of steam cooled fast breeder reactors, 21:44847 (KFK-613)
  Safety aspects of steam-cooled fast breeder reactors, 22:53365
  Safety measures for nuclear power stations with regard to protections of water, soil, and air, 25:23321
  Semianalytical methods for neutron transport theory in plane geometry, 22:11883
  Simple methods for evaluating zero-power experiments, 25:3777
  Spectroscopic investigations on compounds with a CS/sup I/S$_2$/sup II/ grouping. XII, 21:17632
  Superconducting regions of A15 phase in Nb—Al—Ge, 25:43319
  Superconductivity and range of existence of the A 15 phase in the system Nb—Al—Ge, 25:43291 (ORNL-tr-2461)
  Test of C invariance in the 3π decay mode of the eta meson, 21:5351
  Theoretical treatment of vibration spectrum of ClReO$_3$, 24:33564 (ANL-Trans-831)
  Use of electron spin resonance in the study of radiation effects on solids of biological interest, 23:35652
MUELLER, A. H. Diagonalization of integral equation for multiperipheral dynamics, 24:24459
  Fixed poles in high-energy Compton scattering, electroproduction, and the vector-dominance models, 24:45456
  Multiperipheral dynamics at nonvanishing values of momentum transfer, 24:33064
  Multiplicity distributions in Regge-pole-dominated inclusive reactions, 25:45730
  O(2,1) analysis of single-particle spectra at high energy, 25:9816
  O(4), off-shell N anti N scattering, and massless pions, 22:46408
  Particle size and contraction at high velocity, 25:7593

  Spin dependence of high-energy scattering amplitudes. II, 21:42473
  Spin dependence of high-energy scattering amplitudes. I, 21:42472
MUELLER, Achim Crystal structure of Re$_2$O$_7$, 23:20554
  Oscillation-spectroscopical investigations on solid inorganic compounds. XVI, 21:3042
MUELLER, Adolf Formation of radicals in nucleic acids, nucleoproteins, and their constituents by ionizing radiations, 21:43332
  Free radicals in gamma-irridiated 2-deoxy-D-ribose, 24:9385
  Free radicals in irradiated single crystals of 5-halo-uracil derivatives, 23:45650
  Radical formation in cysteamine free base and cystamine.2HCl by reaction with atomic hydrogen and by gamma-irradiation, 23:20137
MUELLER, Albert Experiments on heavy water moderated Th lattices in Siemens—Argonaut reactor, 23:34928
MUELLER, Arno Beam tube for a research reactor, 21:5699
  Method and arrangement for loading and unloading fuel elements in nuclear reactors, 22:16237
  Method and device for the refuelling of nuclear reactors, 23:17198
MUELLER, B. Standards for effluents in Switzerland, 24:45901 (CONF-700810-8)
MUELLER, B. A. Reaction kinetics of uranium and deuterium, 24:25044
MUELLER, Balthasar Metallography of zirconium hydride phases, 25:45133
MUELLER, C. Bibliography on prestressed concrete pressure vessels for reactors, No. 14, 2/67, 21:30086 (AED-C-01-14)
  Effect of occupational risk on reproductive functions of women engaged in mining radioactive materials, 21:41491
MUELLER, C. R. Determination of the Li$^+$—He interaction potential from low-energy experimental differential scattering cross section, 24:10374
  Differential collision cross sections of argon and neon, 22:2795
  Differential collision cross sections and the intermolecular potential of neon, 23:10437
  Inversion of velocity-averaged differential-cross-section data to an intermolecular potential, 21:9322
  Low-energy experimental He—He$^+$ elastic differential scattering cross sections to the $^2\Sigma$/sub g/$^+$ and $^2\Sigma$/sub u/$^+$ potentials, 21:31213
  Quantum undulations in differential cross section of Ar—Ar system, 25:16830
  Resonance-coupling model for simple molecular reactions, 25:20982
MUELLER, Charles Monte Carlo analysis of perturbations in fast reactors, 24:24918
MUELLER, Charles W. Mass spectrographic analysis of Fe for Ag, Cu, Mo, and Ni, 24:24995
MUELLER, D. Mass spectrometric determination of neutral constituents in lower thermosphere above Sardinia, 22:15422
  Mass spectrometric investigation of lower thermoshpere above Fort Churchill, 23:16728
  New investigations on the origin of brittle fracture in space-centered-cubic metals, 23:41631
  Structure, rolling, and annealing characteristics of Mo and W single crystals, 22:34063
  Vacuum-uv emission of high-density plasma generated in wall-stabilized arc, 25:59006
MUELLER, D. W. Beam-profile monitoring and analysis by television, 25:50511
  Chemical separation of cerium fission products, 23:35019
  Crystal lattice effects in the ^{149}Sm(n,α)^{146}Nd reaction induced by thermal neutrons, 25:50735
  Neutron activation analysis of uranium, 23:35051
  Test of LASL ion source with 200-kV Pierce accelerating column, 23:27943
MUELLER, Dennis J. FORTRAN subroutines for Householder's method in complex case and eigensystems of hermitian matrices, 21:10231 (ANL-7231)
MUELLER, Dieter Construction of trial functions for nuclear ground-state problems, 25:5838
  Continuous eigenvalues of the Lippmann—Schwinger operator K(W), 21:38409
  Effective interaction by modified shell model, 25:17982
  Effective interaction in a nuclear model, 23:5954
  Quasi-continuous measurement of small concentrations of SO$_2$ in waste gases by soft-γ absorption analysis, 21:23843
  Quasiparticle description of nuclei, 21:38397
MUELLER, Dietmar Distance technique for decreasing scatter radiation during roentgenography, 24:23199
MUELLER, Donald W. LASL experience with a duoplasmatron feeding a 750-kV exact Pierce column, 25:53418 (LA-DC-13015)
  LASL high-duty-factor ion source, 22:37218 (LA-DC-9421)
  Operation of the LAMPF 750-keV injector, 25:50295
  Prestressed concrete containment vessel, 21:10226
MUELLER, E. Computer-controlled system for measuring bubble chamber and spark chamber film, 22:23322 (SLAC-81)
  Evaluation of the FDR-O neutron flux density measurements, 22:46988
  Study of some properties of sintered U$_3$Si$_2$, 21:31095
  Welding of CoCrW alloy, 23:43959
MUELLER, E. E. Growth hormone immunological and biological assays, 24:12021
MUELLER, E. M. Oxide fuel pins behavior, 25:47180
MUELLER, E. Peter Isotope fractionation of natural gas components during migration, 23:49924
MUELLER, E. W. Atom-probe FIM studies of V, Re, and Cu—Be alloy, 25:697
  Controlled hydrogen partial pressure in a field ion microscope, 21:34446
  Field ion microscopy of hafnium, 25:16521
MUELLER, Edith A. Composition of the solar atmosphere, 22:26176
MUELLER, Erwin W. Field ion microscopy. Principles and applications, 24:39125
  Field ion shadow projection microscope and other FIM techniques for viewing biomolecules, 25:37207 (NYO-3851-10)
  Mass spectrometric analysis of low temperature field evaporation, 22:28806
MUELLER, Eva-Maria Oxide fuel element thermal conductivity dependence upon porosity, 25:4858
MUELLER, F. Activity of UCl$_3$ in the eutectic LiCl—KCl melt, 21:38931 (LA-tr-67-76)
  Diffusion of ^{233}U in eutectic LiCl—KCl melt, 24:46217
  Disorder in cubic uranium sesquinitride, 22:31504
  Phase diagrams of system U—O—F, 24:41276
  Reprocessing costs for THTR elements, 23:21445
  Sol—gel process for production of spherical (Th,U)O$_2$ particles, 23:18264
  Thermal dissociation and sublimation of UO$_2$F$_2$, 24:41281
  Thermal dissociation and sublimation of UO$_2$F$_2$, 25:15566 (ORNL-tr-2422)
  Use of thermostimulated exoelectron emission of LiF in dosimetry, 21:3320
MUELLER, F. H. Chemical radioprotection with N- and S-containing polymers, 25:42517
MUELLER, F. M. Anomalous thermal conductivity of superconductors due to impurity spin ordering, 23:10590
  DBLSCAT: computer code for double-scattering corrections, 25:33948 (ANL-7780)
  Effect of lattice disorder on the superconducting transition temperature, 23:1309
  Inversion of de Haas—van Alphen data. I, 25:14433 (ANL-7659)
  QUAD scheme: new method for phase space integration, 24:43868 (ANL-7556)
  Theory for the giant susceptibilities of dilute magnetic alloys, 24:10611
MUELLER, Franz Dissociation pressure of Bi in system Bi—Th, 23:30095
  Dissociation pressure of Bi in the system Bi—Th, 23:32038
  Dissociation pressure of bismuth in the system: bismuth—thorium, 23:48391 (ORNL-tr-2218)
  Phase diagrams of the system, uranium—oxygen—carbon, 22:11083
  Thermochemistry of material systems U, Th, Pa, C, O$_2$, Cl$_2$, 23:43383 (JUL-565-CT)
  Vapor pressure measurements in the lead—thorium system, 24:8090 (ORNL-tr-2228)
MUELLER, G. Capacitor banks for a turbulence heating experiment, 22:46102 (IPP-4/50)
  Electro-optical converter for measurement of plasma properties, 24:28243
  Experimental animal studies concerning scintigraphic detection of acute thrombosis, 25:13518
  High-power spark gap for high repetition rates, 25:30568 (EUR-4593, pp 273-80)
  Investigation of Alfven waves in a plasma-filled wave guide, 21:20978
  LAMBDA overbinding in nuclear matter, 24:6730
  Lambda—particle binding in nuclear matter, 22:52991
  Landau damping in plasma—cyclotron-wave interaction, 25:17240
  Nuclear quadrupole moment of ^{209}Bi, 23:11013
  Plasma-cyclotron interaction, 23:32388
  Possibilities of a band spectroscopic isotopic analysis of sulphur, 23:17330
  Pressurized switching unit designed to start and to crowbar a turbulence heating experiment, 22:46103 (IPP-4/52)
  Radiation of harmonics n ω/sub e/ and 1/2 n ω/sub e/ from a beam-generated plasma, 21:3853
  Radiation of harmonics nω/sub e/ and n(ω/sub e//2) from a beam-generated plasma, 21:15126 (IPP-2/53)
  Status of Jastrow calculations of Λ binding energy in nuclear matter, 24:47468 (CONF-690557-(Vol.2), pp 598-618)
  Studies with ruby laser rays on animal and human tissues, 21:8982
  Torsional Alfven waves in inhomogeneous plasmas, 22:39059 (CONF-670840-1)
  Use of variational methods in steady magnetogasdynamics, 22:1035
  Variational methods in steady magnetogasdynamics, 22:1032 (AD-648250)
MUELLER, G. L. J. Modified feedback control method applied to edge oscillations in Q machine, 25:27770
MUELLER, G. O. Cathodoluminescence yields in highly excited CdS, 22:3193
MUELLER, G. P. Ground state properties of alpha matter, 25:10070
MUELLER, G. W. Parameter-independent threshold corrections for partial-wave amplitudes from low-energy sum rules, 22:37209
MUELLER, George Glassy particles in lunar fines, 25:948
MUELLER, George Paul Applications of cluster expansion methods to extended nuclear mixtures, 25:5390
MUELLER, Gerd Results and complications of telecobalt therapy in bronchial carcinomas, 23:38848
MUELLER, Gerhard O. SCAN-1, a general data processing system, 21:21827 (KAPL-P-3314)
  Thermal calculations for cylindrical fuel rods based on the Robertson concept, 21:8162
  Use of FORTRAN interpretive programs at KAPL, 21:2917 (KAPL-P-3178)
MUELLER, Guenter Analysis of stable isotopes by special methods, 23:43262
  Thermal diffusion column, 25:10783
MUELLER, H. Alteration of protein content and pattern in x-ray-induced Pisum mutants, 25:24109
  Amorphous polyamide from terephthalic acid and branched diamines, 21:17658
  Chemical consequences of nuclear process ^{81}Br(n,γ)^{82}Br in K$_2$ReBr$_6$—K$_2$ReCl$_6$ mixed crystals, 24:219
  Chemical effects of nuclear processes in mixed crystals. I, 23:21730 (NP-tr-1751)
  Decay modes of the eta meson, 23:23339
  Differential and total cross sections for $\pi^- + p \rightarrow$ eta + n, 23:36841
  Experimental limit for the decay mode eta $\rightarrow \pi^0\gamma\gamma$, 24:47361
  Experimental study of the decay modes of eta meson, 22:5493
  Material transfer systems in hot laboratories, 24:31547
  Measurement of the spin and nuclear magnetic moment of ^{20}Na, 25:28209 (CERN-70-30(Vol.1), pp 383-5)
  Neutral decay modes of ω^0-meson, 24:3649
  New method for measuring the β—γ circular polarization correlation, 21:17842
  Operating experience in the fuel cell laboratory of Juelich Nuclear Research Center, 22:37905 (HZ-1/67)
  Operational experience with in-cell box systems, 24:31557
  Production of a positive pion in a collision of a 247 MeV negative pion with a proton, 24:45429
  Proton scattering on ^{12}C and ^{13}C at 7 MeV, 23:28257
  S-wave $\pi\pi$-scattering from the reaction $\pi^-p \rightarrow n\pi^0\pi^0$ at 1.77 GeV/c, 24:3534
  Statistical errors in the measurement of beta rays with liquid scintillators by the double or triple coincidence method, 23:9713
  Work program and equipment of hot cells 1 and 2 at Juelich, 22:51143
MUELLER, H. A. Comparative effects of ionizing radiation and aging on the mammalian lens of the eye, 21:32778
  Effects of laser radiation on the mammalian eye, 21:16515
  Some biological effects of laser radiation, 24:19363
MUELLER, H. G. Effect of ultraviolet light on ribonuclease, 21:26380
  Emission spectroscopic determination of traces in nuclear fuel materials, 25:10432 (KFK-1261)
  Spectral properties of uv-irradiated ribonuclease A, 21:24346
  Trace determination in nuclear fuels by emission spectroscopy, 25:44315 (EURFNR-852)
MUELLER, H. H. Lifetime and energy of ground state of ^{8}Be, 22:5769
  Proportional counter with large thin windows for low energy α particles, 21:10663
  Reaction ^{13}C(^{3}He,α) in energy range 1.8 to 5.4 MeV, 25:53627
  Reaction ^{14}N(d,α)^{12}C at deuteron energies between 2.3 and 5.8 MeV, 22:11911
MUELLER, H. J. Systematic change in phase of second harmonic of daily variation of cosmic rays, 25:40406
MUELLER, H. J. W. Composite states for four-fermion interactions by the method of broken symmetries, 25:1590
  Daughter trajectories in the Wick—Cutkosky model of the Bethe—Salpeter equation, 22:26705
  Derivative amplitudes in photoproduction, 25:28000
  Helicity conservation and A$_1$rhoπ coupling, 25:33725
  Helicity conservation and duality, 25:36595
  High-energy scattering for Yukawa potentials, 22:35136
  Indeterminacy points in potential scattering, 23:32853
  Perturbation approach for regular interactions, 23:17009
  Regge trajectories for even-power potentials, 22:3540
  Rising Regge trajectories in potential scattering, 24:49521
  Scattering by singular potentials, 23:52025
  Singular interaction in quantum field theory, 24:43018
  Singular interactions in nonrelativistic quantum theory, 24:43062
  Singular potentials and $Z = 0$ condition, 21:27425
  Tests of Regge pole-cut models, 25:22740
  V—A interaction in a semi-relativistic quark model, 25:45734
MUELLER, H. P. Soil sterilization with ionizing radiation, 23:38906
  Study of indirect effects of x-irradiation on roots of Vicia faba, 23:16436
MUELLER, H. W. AVR high temperature reactor: design and construction, 22:53305
  AVR Pebble Bed Reactor, 21:15741
  HTR—construction line with advanced converter reactors, 24:24790
MUELLER, H.-G. Effect of uv-light on side chain cotton effect of ribonuclease A, 25:37738
  Gel filtration studies of uv-irradiated ribonuclease A. II, 25:26658
  Gel filtration studies on uv-irradiated ribonuclease A. III, 25:26661
  Photolyis of C-S-bonds in proteins, 24:23118
  Photolysis of the peptide bond, 25:37737
  Uv irradiated ribonuclease A. IV, 25:32361
MUELLER, H.-W. Design of 300-MW THTR Power Station, 23:37450
  State of helium technology for high temperature reactors, 25:57040
  Technical status and potential of the high temperature reactor line in the Federal Republic of Germany, 25:54028 (A/CONF.49/P-370)
MUELLER, Hannelore Optical constants of fully ionized plasmas for radiation of ruby, neodymium-glass, and CO$_2$ lasers, 23:23159 (IPP-3/81)
MUELLER, Harald J. W. Anharmonic oscillator in quantum mechanics and in field theory, 21:40126
  Bound-state solutions to the Bethe—Salpeter equation, 23:52013
  Composite states for four-fermion interactions by the method of broken symmetries, 25:1437
  Determination of Regge trajectories in bootstrap model of pion—pion scattering, 21:40215
  Eigenvalues of Lippmann—Schwinger kernels for Yukawa and nucleon—nucleon potentials, 21:7845
  New approach for scattering by even-power potentials, 23:36809
  Perturbation theory for large coupling constants, 24:20248

- Quasi particles and eigenvalues of Lippman—Schwinger nuclei, 21:7828
- Regge trajectories of Bethe—Salpeter equation, 24:6751
- MUELLER, Harold A. Eye problem in laser safety, 24:21317
  - Laser radiation protection, 23:14174
  - Optical masers (lasers), 21:12964
- MUELLER, Harold F. Local fallout and diffusion of radioactive material, 23:45410 (NVO-40(Rev.2), pp 261-70)
  - Meteorological requirements and operational fallout prediction techniques for plowshare nuclear detonations, 23:21821 (CONF-690406-2)
- MUELLER, Harry Dynamic pressure measurement at the anode of high-current electric arcs, 25:56155
- MUELLER, Hartwig Description and first operational experience of the HZ-hot laboratory of the KFA Juelich, 24:5854
- MUELLER, Helmut Carbon-14 dating of lacustrine sediments and calibration of ^{14}C time scale, 25:21171
- MUELLER, Herbert Stade Nuclear Power Station, 24:18545
- MUELLER, Hermann P. Relations between streptomycin and radioresistance in Azotobacter chroococcum, 21:6731
  - Respiration measurements in Azotobacter chroococcum beij in montmorillonite during chronic x irradiation, 21:22820
- MUELLER, Horst Chemical effects of nuclear processes in mixed crystals. III, 21:45157
  - Chemical effects of nuclear reactions in mixed crystals. IV, 23:28911
  - Chemical effects of nuclear transformations in solids, 21:21997
  - Chemical effects of nuclear transformations in solids. II, 25:8314
  - Chemical effects of nuclear transformations in solids. I, 25:8313
  - Chemical effects of nuclear transformations in solids: contribution to solid-state physics. I, 25:15714
  - Chemical effects of the nuclear process ^{187}Re(γ,n)^{186}Re, 24:9409
  - Chemical results of nuclear processes in mixed crystals. VI, 24:48117
  - Thermal annealing in neutron-activated K_2ReBr_6—K_2ReCl_6 mixed crystals, 23:2358
- MUELLER, I. Adsorption of U hexafluoride. II, 23:24169
- MUELLER, Ilse Relation between the somatic mutation spectrum of Ephestia kuehniella and the developmental stage of the irradiated animal, 21:10844
- MUELLER, J. Course in time of the strontium retention in man, 22:31083
  - Fluorescence excitation of ultra-soft x-ray emission spectra using synchrotron radiation, 25:27827 (DESY-70/59)
  - Superconducting materials, 23:20840
  - Superconductivity in the monoclinic phase of the aluminum—osmium—ruthenium system, 22:52687
- MUELLER, J. H. Avoidance of early and late complications in intraperitoneal application of colloidal radiogold ^{198}Au, 22:25925
  - Comments on the interactions of radiocolloid therapy with the reticuloendothelial system, 21:11015
  - Experiences with /sup 99m/Tc placentography, 23:38660
- MUELLER, J. W. International comparison of dilution and source preparation methods by means of ^{60}Co. I, 22:2310 (NP-17098)
- MUELLER, James I. Prog. rpt. on research in materials science, semiannual, 6/16/66—12/15/66, 22:2687 (N-67-15390)
- MUELLER, Jan Evaluation in cases of inhalation of radioactive nuclides mixture, 23:38560
  - Strontium retention in man, 23:38426
- MUELLER, Judith Ellen Partial-wave analysis of $K^- + n \rightarrow \Lambda + \pi^-$ between 1590 and 1750 MeV, 24:12950
- MUELLER, K. Determination of triiodothyronine and thyroxine in blood serum by activation analysis, 25:54453
  - Electronic and lattice structure of cesium films adsorbed on tungsten, 23:27699
  - Fast coincidence—anticoincidence system in a satellite experiment, 23:627
  - Quantitative determination of thyroid-hormone-iodine in blood serum by neutron activation analysis, 25:31864
  - Redox methods with neutron-activated silver metal (sup 110m/Ag) as a radioreagent, 22:40021
- MUELLER, K. D. Multidetector system for neutron small-angle scattering-experiments, 24:36565
- MUELLER, K. F. Control of hard metal alloys by electron and optical microscope examination, 23:46117
  - Identification of the phases appearing in industrial metal carbides with the help of microprobes and by acid etching, 22:34117
  - Texture parameters by optical and electron-microscope pictures of WC-, Co-, TiC-, and TaC-alloys, 25:58403
- MUELLER, K. G. Collision dominated sheath in weakly ionized plasmas. II, 25:19673 (DLR-FB-69-78)
  - Dielectric wave guide as plasma probe, 21:20939
- MUELLER, K. H. Second sound in ^{3}He—^{4}He solutions, 22:52700
- MUELLER, K. P. Diffusion in binary mixtures of H_2, HD, and D_2 at 24°C, 24:27037
- MUELLER, K.-H. Contribution to systems analysis of nuclear plants, 25:21334
  - Integral stability of nonlinear transport, 21:5470
  - Interacting knots in geometrodynamics, 23:8836 (EUR-4048)
  - Simulated thermalization of a neutron burst, 24:33087
  - Wave properties of linear transport, 23:26118
- MUELLER, K.-N. Measurement and calculation of strength function values for nuclei in the 3s-resonance range, 24:49779 (EURFNR-741)
  - Measurement of and calculation of strength function values for nuclei in the area of 3s resonance, 24:30723 (KFK-1114)
  - Strength function fluctuations in the mass region of the 3s resonance, 25:23012
  - Study of ^{57}Fe neutron resonances, 23:46961
  - Total cross sections of ^{45}Sc, ^{47}Ti, ^{49}Ti, ^{53}Cr, and ^{61}Ni in the keV region, 24:49780 (EURFNR-808)
- MUELLER, Karl Gerhard Collision-dominated boundary layer in a weakly ionized plasma, 24:32834
  - Ion motion under the influence of charge-exchange collisions, 21:20777
- MUELLER, Kh. Conference on nuclear reactions with light nuclei and nuclear structure, Rossendorf, 10/67, 23:21237 (ZFK-130)
  - Generalized optical model for elastic and quasi-elastic scattering of protons, 22:1729
  - Isospin-dependence of the nuclear optical potential, 23:21375 (ZFK-130, pp 11-19)
- MUELLER, Klaus-Dieter Conference on siemens process calculator utilization, 6/70, Juelich, 25:55074 (JUL-Conf-5)
- MUELLER, L. Adsorption of U hexafluoride, III, 23:31413
  - Adsorption of UF_6. IV, 23:35084
  - Adsorption of uranium hexafluoride. I, 23:19721
- MUELLER, Laszlo Kinetic analysis of the dissolution of uranium ore in continuous cocurrent reactor cascade, 25:46557
- MUELLER, M. Determination of reactivity rates in fast zero-power reactor SNEAK, 25:48320
  - Heavy ion transfer reactions with identical initial and final states, 22:26851
  - Ion source for intense beams of negative heavy ions, 22:17393
  - Ion source for intense beams of negative heavy ions, 23:42792 (NP-tr-1829)
  - Ion source for negative heavy ions, 23:27940
  - Measurement of neutron spectra within the 1 eV to 10 keV energy range by means of the sandwich technique, 25:28656 (EURFNR-842)
  - Multiatomic clusters emerging from a metal surface under ion bombardment, 23:18433
  - Neutron spectrum measurements in various SUAK assemblies, 24:22457
- MUELLER, M. H. Anomalous performance of centrifugally bonded EBR-II driver fuel, 24:33319
  - Effect of C on magnetic properties of NpC, 25:47661
  - Neutron diffraction cryo-orienter, 25:36080
  - Neutron diffraction determination of coherent scattering amplitude of Np, 22:7393
  - Neutron diffraction study of α-U at low temperatures, 24:25733
  - Neutron diffraction study of NpC, 23:22671
  - Neutron diffraction study of uranyl nitrate dihydrate, 25:15642
  - Neutron-diffraction study of the low-temperature transition in UP, 23:23040
- MUELLER, Manfred Measurement of neutron spectra in energy range from 1 eV to 10 keV with help of sandwich techniques, 25:8481 (KFK-1233)
- MUELLER, Mark N. Skeletal status in rheumatoid arthritis, 25:54358 (COO-1422-108)
- MUELLER, Mary K. Ultraviolet radiation (2537 A) effects on spore germination in moss, Funaria hygrometrica HEDW, 24:916
- MUELLER, Michael Performance of a secondary emission ion source for negative ions, 24:45677
- MUELLER, N. Process for the fusion of metal oxides, 22:36530
- MUELLER, N. N. Experience with oxygen meters in sodium technology loop, 24:14338 (APDA-245)
- MUELLER, Norbert Hydride orientation in Zircaloy tubes, 23:8218
  - Melting metallic oxides, especially U dioxide, 22:744
- MUELLER, O. Argon and potassium in mineral fractions of three ultramafic rocks from Baltic Shield, 22:6474
  - Isotopic analysis of rare gases in Te ore of Boliden, Sweden, 22:18721
  - Isotopic composition and abundance of lithium in meteoritic matter, 22:173
  - Neutron activation analysis for 39 elements in small or precious geologic samples, 25:46463
  - Potassium—Ar age determination for Fe meteorites. III, 21:3575
  - Resonator for x-band electron spin resonance spectroscopy for simultaneous measurement and electron radiation of the sample, 25:10626 (KFK-1285)
- MUELLER, P. Electrical resistance and magnetization of type-II superconductors, 21:20883
  - Ratio pyrometer for use in Q-machines, 24:16930
  - Rotating cathode system for Q machine endplate heating, 24:26239
  - Superconducting transition temperatures of Nb_3Sn strip samples, 24:47162
- MUELLER, Peter Determination of natural variations of carbon isotopes in oil and gas components and their relation to origin, 22:42634
  - High-field high-current superconductors, 25:52761
- MUELLER, Peter K. Air pollution, 25:31774
- MUELLER, R. Bremsstrahlung in proton—α-particle scattering, 25:53528
  - Capture of protons by deuterons, 22:9772
  - Development of large steel vessels in laminated construction, 22:30354
  - Energy dependence of proximity scattering, 24:1764
  - Energy dependence of proximity scattering, 25:45934
  - Influence of oxygen on the surface ionization of barium on tungsten, 25:44531 (BMBW-FBK-70-28, pp 461-6)
  - Large pressure vessels of multilayer steel construction, 24:25174
  - Reaction kinetics of stage III recovery in Al after neutron irradiation, 21:2297
  - Single crystal spectroscopy, 22:8381
  - Slowing down of fission fragments in various absorbers, 25:20442
- MUELLER, R. A. A contribution to the analysis of seismic data from cratering and contained events. Schooner Event, 24:36443 (PNE-522)
  - Analysis of ground motion, Cabriolet Event, 24:7536 (PNE-958)
  - Basic elements of two-dimensional wave propagation in homogeneous, isotropic layered elastic media, 25:48677 (NVO-1163-TM-28)
  - Change of interpretation of the intermediate heat exchanger for the sodium cooled reactor using ferritic steel design, 25:57614 (KFK-1387)
  - Conceptual studies of a 1000-MWe nuclear power station with a steam-cooled, fast breeder reactor, 25:28634 (NP-18782)
  - Danger contained in a steam-cooled fast breeder reactor and the dose value released to the environment in a severe accident, 25:28738 (NP-18781)
  - Design and evaluation of a steam cooled fast breeder reactor of 1000 MW(e), 22:18525
  - Hydrogen segregation in Ti-6 Al-4V weldments made with unalloyed titanium filler metal, 24:29979
  - Inherent properties of the different primary circuits of sodium-cooled reactors, 25:37005 (KFK-1379)
  - Inherent properties of the various primary circuit designs for sodium-cooled reactors, 25:60060 (EURFNR-904)
  - Karlsruhe sodium tank test facility, 25:304 (EURFNR-819)
  - Partly integrated cooling system for liquid metal cooled reactors, 24:24820 (EURFNR-751)
  - Prediction of seismic motion from contained and excavation nuclear detonations, 24:41522 (CONF-700101-(Vol.2), pp 1051-68)
  - Predictions of seismic motion and close-in effects: Rulsion event, 23:49976 (NVO-1163-180)
  - Seismic energy efficiency of underground nuclear detonations, 24:20920
  - Seismic response characteristics at NRDS from underground nuclear detonations, 25:10730 (NVO-1163-TM-22)
- MUELLER, R. E. Alternate reactor concept design study for fast flux test facility, 21:21756 (APDA-186)
  - Alternate reactor concept design study for FFTF: fixed-shield-plug vertical-core reactor concept, 23:31192 (APDA-187)
  - Calibration measurements of control and safety rods in Enrico Fermi reactor, 22:32739 (APDA-NTS-18)
  - Compilation of current technical experience at Enrico Fermi Atomic Power Plant, 1/69, 23:52190 (APDA-CFE-29)
  - Compilation of current technical experience at Enrico Fermi Atomic Power Plant, 4/69, 24:1917 (APDA-CFE-32)
  - Film boiling heat transfer measurements in a tubular test section, 21:30611 (GEAP-5423)
  - Fission-product activity analysis to determine fuel failure in Fermi accident, 21:38516
  - Measurement of some reactivity effects in Enrico Fermi Reactor, 22:14130 (APDA-NTS-12)
  - Nuclear test program for Enrico Fermi fast breeder reactor, 22:39735 (APDA-305)
  - Physics measurements in the Fermi reactor, 24:22247
  - Plant design problems associated with the application of vented fuel to a fast breeder reactor, 23:47090 (ANL-7520(Pt.2), pp 154-66)
  - Power coefficient measurements for Enrico Fermi Reactor, 22:7790 (APDA-NTS-9)
  - Static physics measurements in Fermi reactor, 21:35558 (ANL-7320, pp 605-28)
  - Technical experience at Enrico Fermi Atomic Power Plant, 5/69, 24:5465 (APDA-CFE-33)
  - Technical experience at Enrico Fermi Atomic Power Plant, 6/69, 24:5466 (APDA-CFE-34)
- MUELLER, R. F. Apollo 11 evidence for the differentiation of lunar materials, 24:35141
- MUELLER, R. G. Energy conversion by means of amorphous insulating thin films, 23:18472 (BMwF-FBK-68-40)
- MUELLER, R. H. Brazing alloys for tantalum, 21:26786
  - Niobium—silicon brazing alloy for refractory metals, 21:24742
- MUELLER, R. K. Time of flight of ions in an inhomogeneous oscillatory electric field, 24:48229
- MUELLER, R. M. Directional correlation measurements in ^{18}O(^{3}He,p γ)^{20}F, 21:1035
  - Effects of lattice vibrations on proton blocking, 24:28407
  - Electronic stopping cross sections for ^{1}H and ^{4}He particles, 24:12634
  - Identification of silicon carbide phases by proton blocking patterns, 24:30398
  - Measurement of atomic-stopping cross sections at low energies, 21:41767
  - Positive ion camera for blocking and channeling studies, 24:38029
  - Proton blocking patterns for HCP and Wurtzite structures, 23:18742
- MUELLER, R. O. Statistical model of atoms in intense magnetic fields, 25:33086
- MUELLER, R. T. Effect of chelating agents on the availability to plants of ^{59}Fe and ^{65}Zn, 24:34037
- MUELLER, R. W. Acceleration of very heavy ions by means of a two-cyclotron facility, 25:31130
  - Cyclotron for medical and biological investigation. II, 21:39479
  - Design characteristics of electromagnetic compensated extraction channels in cyclotrons, 23:13154
  - Novel inflectors for cyclic accelerators, 21:40321
  - Phase compression and phase dilatation in the isochronous cyclotron, 25:1692
- MUELLER, Richard A. Elastic energy and magnitude determinations for underground detonations in tuff and rhyolite, 25:287 (NVO-1163-208)
  - Seismic spectrum scaling of underground detonations, 25:286 (NVO-1163-195)
- MUELLER, Richard Anton Effect of H_2 and D_2 on relaxation time of N_2O, 23:45298
- MUELLER, Robert Effective delayed neutron fraction for NASA Zero Power Reactor I, 21:5691 (NASA-TN-D-3709)

- MUELLER, Robert A. Analysis and experiments with a pulsed neutron source for an unreflected solution reactor up to 50 dollars shutdown, 24:11268 (N-69-39186)
  - Critical mass studies with NASA ZPR-II reactor. III, 21:15768 (N-66-33021)
  - Determination of reactivities using pulsed-neutron techniques for highly subcritical solution reactors, 22:6112
- MUELLER, Robert Q. Pulsed-neutron-source studies with NASA Zero Power Reactor II, 25:1927 (N-70-35911)
- MUELLER, Rodolf Process for manufacturing an abrasive containing Zr and Al oxide, 24:32490
- MUELLER, Rolf W. Ionoptic influences of asymmetric magnetic fields on extraction from cyclotrons, 23:39882
  - Particle optical characteristics of an electrostatic deflector in a magnetic field, 22:20378 (UCRL-Trans-10214)
- MUELLER, Rolf-Heinz Association with radioactive materials, 21:28504
- MUELLER, S. Construction and equipment of some measurement trucks and mobile laboratories for radiation protection measurements in the countryside, 23:20188 (CONF-680507-, pp 202-6)
- MUELLER, St. Stress corrosion of austenitic steel and nickel alloys, 23:18184 (KFK-812)
- MUELLER, T. A. Ultraviolet radiation (2537 A) effects on spore germination in moss, Funaria hygrometrica HEDW, 24:916
- MUELLER, T. R. Modifications of the ORNL Model Q-2564 high-sensitivity coulometric titrator, 22:22933 (ORNL-TM-2175)
- MUELLER, Th. Construction of instrument for more accurate, repeated blood volume determinations using HSA-^{131}I, 25:13218
- MUELLER, Thomas Clearance of Thorotrast, a dextrin-stabilized colloid, 23:31623
- MUELLER, V. Dynamics of primary circuit of atomic power plant, 23:26042 (ZJE-34)
- MUELLER, V. F. Adler—Weisberger sum rule, 21:31594
  - Algebra of fields and electromagnetic mass differences, 22:26602
  - Class of asymptotic limits of pion-electroproduction off nucleons, 25:45696
  - Dual resonance model for the $\pi\pi\pi$ N anti N five-point function, 24:45538
  - Duality and fixed poles in pion photoproduction, 24:28519
  - Equal-time commutators and non-Regge behavior of pion photoproduction amplitudes, 24:24313
  - Octet dominance in weak, electromagnetic and strong interactions, 22:5609
  - Production of $\pi\pi$ resonances in a dual model for the $\pi\pi\pi$N anti N five-point function, 24:45537
  - $\pi\pi\pi$Nanti N-five-point function, 24:45521
  - Unitary irreducible representations of SU(2,2), 21:958
- MUELLER, Vladimir Primary cycle dynamics of a nuclear power station in the series arrangement of main and additional circulation blowers, 21:27735
- MUELLER, Volkhard F. Introduction to Lagrangian method, 23:39820
  - Semileptonic decays, 24:28526
- MUELLER, W. Considerations for the construction of a helical linear accelerator for protons, 25:25567 (LA-tr-71-18)
  - Engineering steel pressure vessels and containments, 25:37933
  - Extraction of actinides by alkyl-substituted ammonium salts, 22:6376
  - Information session on the capability of industry for the construction of nuclear power stations and on nuclear technical requirements, 22:37456
  - Investigation of transplutonium elements: results, problems, and possibilities, 22:27621 (EUR-3893)
  - Investigation of transplutonium elements: results, problems, and possibilities, 23:2257 (ANL-Trans-676)
  - Isolation of americium and curium from irradiated ^{241}Am targets, 23:31400 (EUR-4232)
  - LATS in untreated and ^{131}I-treated hyperthyroidism, after total thyroidectomy, and its relation to thyroid antibodies, 23:50743
  - Process cell and equipment for transplutonium isolation, 21:30496 (EUR-3273.e)
  - Processing of irradiated ^{241}Am targets by ion exchange and extraction, 24:33757 (EUR-4409)
  - Production and properties of transuranium elements, 25:37404 (EUR-4612, pp 43-60)
  - Production of transplutonium elements from irradiated ^{241}Am, 23:19771
  - Role of the GfK experimental plants in the fast breeder project, 21:30187
  - Separations in actinium—uranium series using α-semiconductor spectrometry, 22:38060 (CONF-670545, pp 88-95)
  - Structural integration of a prestressed concrete pressure vessel in a nuclear power plant and comparison with a steel vessel installation, 25:31552 (EUR-4531, pp 647-89)
  - Studies with ^{85}Sr of diseases belonging to the rheumatic complex, 25:11175
  - Third party liability insurance in respect of the carriage of nuclear substances, 24:22956
- MUELLER, W. A. Gonad dose in male mice after incorporation of ^{90}Sr, 21:28477
  - Production of osteosarcomas by incorporation of ^{224}Ra, 24:34033
- MUELLER, W. D. Use of liquid scintillator NE 214 in neutron time-of-flight spectrometer, 22:49098
- MUELLER, W. E. Optical properties and electron band structure of europium and barium, 22:1328
  - Optical properties of europium and barium, 21:6820
- MUELLER, W. H. Cesium-137-decontaimination with colloidally soluble Prussian blue in rats, 25:8662 (UCRL-Trans-10488)
  - Strontium-85 decorporation with a cryptating agent, 24:48533
- MUELLER, W. K. g-factor of 364 keV state of ^{184}W, 24:32921
  - Quadrupole moment of 2.3-MeV level in ^{120}Sn, 24:22184
- MUELLER, Walter A. Incorporation of ^{224}Ra in animal experiments, 24:27507 (CONF-690540-, pp 309-20)
  - Preparative work on ^{227}Ac and its decay products. I, 23:4740
  - Short-lived internal α-emitters in mice and rats. I, 25:55115
- MUELLER, Werner Transuranium elements, 22:48862
- MUELLER, Wilhelm H. Cesium-137 elimination from rats, 23:38565
- MUELLER, William M. Metal hydrides, 23:24974
- MUELLER, Wolfgang D. Catapult for German nuclear power plants, 21:21673
- MUELLER-ARNKE, A. Calculation of photodisintegration cross section of ^{4}He, 22:48444
  - Electrodisintegration cross section of ^{4}He, 25:5530
  - Translationally invariant description of particle-hole states, 22:44796
- MUELLER-AXT, F. Manufacturing metal-clad plates of compacted metallic and ceramic powders, 24:19404
- MUELLER-BEISSENHIRTZ, P. Scintigraphy and angiography in diagnosis of rejection crisis, 24:50987
- MUELLER-BUSCHBAUM, H. Investigation of the system $La_2O_3.Yb_2O_3$ and of the crystal structure of $LaYbO_3$, 22:19630
  - Non-stoichiometric lanthanum oxide $La_2$0/sub 3-x/, 22:33350
- MUELLER-BUSCHBAUM, Hk. Investigation of system La_2O_3—Yb_2O_3, 24:42259
  - Knowledge of crystal structure of $LaYbO_3$, 24:42263
  - Transition from B- to A-type in rare earth oxide monocrystals, 22:19656
- MUELLER-DIETSCHE, W. HDR project: goals and performance, 24:7051
- MUELLER-DUYSING, W. Quantitative analysis of the radiorenogram based on ^{131}I-orthohippuric acid clearance, 25:11159
- MUELLER-HARTMANN, E. Kondo effect in superconductors, 25:19603
  - Lambda transition at lower critical field in type II superconductors, 21:3794
  - Magnetic impurities in superconductors. II, 24:23931
  - Theory of magnetic impurities in superconductors. I, 24:15221
- MUELLER-JAHREIS, U. Stopping cross sections of Li^+ ions with energies 30 to 100 keV, 23:51365
- MUELLER-KRUMBHAAR, H. Detection of single collisions of fast neutrons by nucleation of Tyndall flowers in ice, 24:8535
  - Neutron- and gamma-activated nucleation of Tyndall-flowers in ice, 24:21866
- MUELLER-MOHNSSEN, H. Influence of heavy water on frog, 23:33608
- MUELLER-ROOS, J. Current pulse shapes of semiconductor detectors, measured with an averaging technique, 25:57737
- MUELLER-SCHWARTZ, J. Parity-mixed configurations using a simple model, 23:1946
  - Properties of pairing in nuclei demonstrated in a solvable model, 24:11049
- MUELLER-SCHWARTZ, Joachim Approximation by the Hartree-Fock method with parity mixing, 21:34051
- MUELLERTHANN, M. CO_2 gas circuit for investigating radiation induced graphite corrosion, 22:13080
- MUELLER-WARMUTH, W. Self-diffusion of liquid ^{6}Li and ^{7}Li, 25:26238
- MUELLER ZUM HAGEN, H. Analyticity of static vacuum solutions of Einstein's equations, 24:26503
  - Analyticity of stationary vacuum solutions of Einstein's equation, 24:43053
  - Attractive force of the gravitational field in static space times, 24:43052
- MUELLER ZUM HAGEN, Henning Einstein's gravitation-vacuum field for expanding, rotation- and shear-free motion of closed probe particle, 21:7396
- MUELLNER, P. Chromatographic separation of ^{242}Cm and ^{241}Am and determination of their α activity, 21:40786
  - Measurement of radial profiles of fissile materials and fission products in the coating layers of fuel particles for HTGR, 25:40106 (SGAE-CH-69/1970)
  - Nomenclature of radionuclides, 21:4470
  - Radial profiles of fissionable materials and fission products in coating layers of fuel particles, 25:15521
- MUELLNER, T. Chromosomal aberrations in thorium dioxide patients, 23:26927
  - Chromosome aberrations in blood cells from internal deposits of Thorotrast, 21:20152
  - Chromosome damage in thorotrast cases, 22:28440
- MUENCH, E. Behavior of FRJ-1 (MERLIN) reactor in loss of forced cooling, 21:14078 (JUL-407-RE)
  - Fuel utilization in FRJ-2 research reactor (DIDO), 21:46945 (JUL-456-RE)
  - Results of start up experiments of reactor FRJ-1 after remodeling, 23:11286 (JUL-546-RE)
- MUENCH, Erwin Burnup determination through irreversible mixing of activatable isotopes with fuel, 25:37318 (JUL-712-RE)
- MUENCH, G. Distribution of gas and dust in the Orion Nebula, 25:27312
  - Infrared spectra of low-temperature stars, 21:16769
- MUENCH, Guido Interstellar absorption lines, 22:49959
  - Weakness of He lines in globular cluster and halo B stars, 21:3615
- MUENCH, Nils L. Nuclear powered drilling method and system, 21:8552
- MUENCH, W. Determination of the biological effect of uv radiation combined with high illumination intensity, 23:12235
  - Light and radiation problems in installations with high levels of illumination, 23:10105
- MUENCHOW, C. Magnetic hyperfine field of uranium in iron, 24:49883
- MUENCHOW, H. O. 1000 Mwe LMFBR steam generator, 25:46286 (CONF-710315-24)
  - 1000 Mwe LMFBR steam generator, 25:51155
  - Investigation of tube wastage caused by small leaks of water in sodium-heated steam generators, 22:12970
- MUENCHOW, K. Heat transfer experiments on a heating strip with a longitudinal flow for Reynolds numbers between 5 x 10^3 and 10^4, 22:27446
- MUENCHOW, L. Behaviour of the pairing solution in the vicinity of the critical point, 23:21380 (ZFK-130, pp 184-5)
  - Collective motion with angular projection, 24:43500
  - Comparison of projected BCS solutions with exact ones for charge-independent (J = 0, T = 1) pairing interactions, 22:5908
  - Deformed states in ^{16}O, 23:21272 (ZFK-130, pp 186-8)
  - Description of collective motion with the projection method, 25:34189
  - Even-parity states of ^{16}O in pairing-plus-quadrupole model, 22:9784
  - Generalized BCS method for neutron—proton pairing correlations, 23:21379 (ZFK-130, pp 182-3)
  - Generalized Nogami method for proton—neutron correlations, 21:44752 (ZFK-122, pp 343-8)
  - Intraband BE2-ratios by angular projected K = 0 states, 25:34185
  - Pairing correlations in double magic nuclei, 21:44751 (ZFK-122, pp 337-42)
  - Rotational motion and non-adiabaticity in the ground state, 23:19383
  - Vibrational nuclear spectra and angular momentum projection, 25:25779
- MUENCK, E. Determination of the g-factor for the lowest 2^+ rotational state of ^{164}Dy by the Moessbauer method, 21:21572
  - Measurement of g/sub R/ factor for 2^+ rotational state of ^{172}Yb, 21:1100
  - Moessbauer effect in ^{164}Er and g factors for lowest 2^+ states of some isotopes of Dy, Er, and Yb, 21:21541
  - The g/sub R/-factor of low-lying 2^+ states, 21:5541
- MUENCK, Eckard Measurement of magnetic moments of lowest 2^+ states in some Dy, Er, and Yb isotopes, 22:5846
- MUENICH, M. Breakdown and preionization studies for a megajoule theta pinch at lower densities, 22:1256 (LA-3770, Paper H2)
- MUENIP YEGIN, M. Estimations of adrenal corticoids in whole-body irradiated rats, 21:16509
- MUENNICH, F. Angular correlation measurement of the 722 keV to 556 keV gamma—gamma cascade in ^{114}Cd, 21:15579
  - Decay of ^{103}Cd, 24:52620
  - Decay of ^{104}Cd, 25:12475
  - Decay of ^{123}Xe, 25:23051
  - E2/M1 mixing ratios of 2^+—2^+ transitions in ^{56}Fe, ^{74}Ge, and ^{186}Os, 23:32918
  - Half-life measurements of excited levels in ^{121}I and ^{123}I, 25:36752
  - Half-life of the 344 keV level in ^{103}Pd, 24:33141
  - Low-lying levels in ^{123}I and ^{121}I, 24:49897
  - Measurement of E2/M1 mixing ratios of $2^+ \rightarrow 2^+$ transitions in ^{82}Kr, ^{106}Pd, ^{122}Te, ^{192}Pt, and ^{198}Hg, 22:1702
  - Properties of parallel-plate avalanche counters for measurement of lifetimes of nuclear levels, 21:24205
- MUENNICH, K. O. Dating of groundwater with tritium and ^{14}C, 22:18929
  - Downward movement of soil moisture traced by means of hydrogen isotopes, 21:36129
  - Measurement of radioactive xenon in the atmosphere, 21:6065
  - Search for the decay of ^{50}V with a low-level gamma spectrometer, 21:2686
  - Soil—water movement and evapotranspiration, 22:18939
  - Transfer of bomb ^{14}C and tritium from the atmosphere to the ocean, 22:6505
  - Tritium tagging of soil moisture: the water balance of forest soils, 22:23162
- MUENNICH, Karl Otto Tritium content in ground water stockworks, 22:48929
- MUENSTER, Gerhard Karsten Carbonyl process and evaporation process for determination of phase equilibria in temperature range of low mobility, 22:15209 (MLM-1381(tr))
- MUENSTER, H. Modes of emergency cooling of the SNR, 24:52762
- MUENSTER, Hans-Juergen Method of fabricating enclosed radioactive preparations with ^{204}Tl, 21:1547
- MUENTER, J. Geometry of some refractory metal dioxides, 22:4873
- MUENTER, J. S. Electric dipole moment of CH_3D, 22:27684
  - Hyperfine structure and dipole moment of CH_3D, 25:102
  - Hyperfine structure constants of HF and DF, 24:38872
- MUENTHER, Christian Measurement of electron content with differential Faraday effect, 21:2098
  - Observations of scintillations by satellite signals at 40 MHz, 23:42099
- MUENZBERG, Hans Georg Thermal chemical rocket, 23:19542
- MUENZE, R. Concentration of radioactive iodide solutions, 24:11510
  - New hexahalogenmetallates of rhenium and technetium, 25:6301
  - Production of radioactive nuclides in German Democratic Republic, 23:6168
  - Redox and hydrolysis reactions of rhenium and technetium compounds. I, 25:6302
  - Ternary fission of U. VI, 24:26669
- MUENZEL, F. Use of radioisotopes for the purpose of sterilization, 24:22904
- MUENZEL, H. Activation analysis of oxygen by high-energy neutrons, 23:40589
  - Calculation of activity produced by irradiation of thin targets with high-energy neutrons, 25:23063 (NP-18649)
  - Calculation of half-lives for unknown actinide isotopes, 25:41228 (LB/G-2976)

Calculation of the half lives of unknown isotopes of the actinides, 24:24549 (KFK-1059)
Decay characteristics of Gd isotopes ^{145}Gd and ^{146}Gd, 23:7297
Decay of ^{117}Cd and ^{117}In, 22:42093
Decay of ^{139}Pm, ^{140}Pm, and ^{141}Pm, 22:35302
Decay of ^{139}Sm, ^{140}Sm, ^{139}Pm, /sup 140g/Pm as well as ^{142}Pm, 23:19289
Decay of ^{141}Sm, ^{142}Sm, and ^{143}Sm, 23:7296
Decay of ^{233}Np, 25:20382
Decay of cadmium and indium isotopes 118 and 119, 23:11040
Dependence of the ranges of some plutonium fission products on the excitation energy of the fissioning nucleus, 22:20659
Deuteron excitation functions for formation of ^{24}Na and ^{22}Na, 23:39984
Energy absorber for external beams of Karlsruhe isochronous cyclotron, 23:44768
Evaluation of unknown excitation functions for $(\alpha$,xn) and (d,xn) reactions, 25:18018
Excitation function of ^{59}Co(n,p)^{59}Fe, 25:45998
Excitation functions for deuteron reactions with ^{141}Pr, 23:1909
Fission of heavy nuclei by helium ions and deuterons, 25:3710
Half-life for neutron deficient actinide isotopes, 25:15162
Investigations on separation of $(\alpha$, xn) products formed by compound nuclei, 24:18987 (NP-18168)
Isomer of ^{139}Nd with a 29.7-min half-life, 22:27129
Methods and results of radiochemical range investigations, 22:32666 (KFK-693)
Production of neutrons through irradiation of thick beryllium targets with deuterons in energy range from 15 to 55 MeV, 25:31202 (KFK-1288)
Ranges of fission products formed in reaction ^{239}Pu(n/sub th/,f), 23:7283
Ranges of fragments in the fission of ^{239}Pu by thermal neutrons, 21:1112
Rapid radiochemical separations. IV, 23:405
Scattering chamber for external beam of Karlsruhe isochronous cyclotron, 23:21214
Specific energy loss of heavy ions in Al, Ag, and Au, 23:18396
Use of computers for radiochemical analysis, 21:22011
MUENZEL, Helmut Estimation of unknown excitation functions for $(\alpha$,xn), $(\alpha$,pxn), (d,xn), (d,pxn), and (p,xn) reactions, 23:4052 (KFK-767)
Estimation of unknown excitation functions for $(\alpha$,xn)-$(\alpha$,pxn)-, (d,xn)-, (d,pxn)-, and (p,xn)-reactions, 25:12529 (ORNL-tr-3020)
MUENZER, H. Detection of O in metals, particularly in steel, by activation analysis with 14.5-Mev neutrons, 21:1261
Effective (n,2n) cross sections for nuclides with neutron numbers near the magic number 50 at E/sub n/ approximately 14 Mev, 21:2671
Investigation of previously described ^{191}Ir 50-sec activity and decay of ^{194}Ir, 21:2693
New decay scheme for Ir, 21:2727
Precision measurements of excitation functions of (n,p), (n,α), and (n,2n) reactions induced by 13.5- to 14.7-MeV neutrons, 23:5823
Reaction ^{16}O$(n,\alpha)^{13}$C at a neutron energy of 14 MeV, 21:19180
Reaction cross sections for ^{76}Se(n,2n)^{75}Se, ^{74}Se(n,p)^{74}As, and ^{75}As(n,2n)^{74}As at E/sub n/ approximately 14 Mev, 21:2675
MUENZNER, R. Influence of radiation on some physiological bacterial groups in cold stored trout, 25:24527
Radiation preservation of fish products: a convenient meal of cod, 25:24525
Radiation preservation of fish. I, 24:34822
Radiation preservation of fish. I, 25:27146
Radiation preservation of fish. III, 24:25619
Radiation preservation of fish. II, 24:25618
Radiation preservation of fish. II, 24:48778
Radiation preservation of fish. II, 25:27148
Radiation preservation of fish. III, 25:27147
Radurization of fish in Germany, 25:24500
MUENZNER, Ruth Indirect effect of electrons, 25:47063
Radiosensitivity of molds, 23:35942
Response of toxigenic and non-toxigenic strains of Aspergillus flavus to irradiation, 25:52265
MUESCHENBORN, G. Measurements of the half-lives of the uranium isotopes, 25:53738 (CONF-701002-, pp 465-9)
MUETHER, H. R. Correlations in partial widths of neutron-induced reactions, 22:20587
Inelastic scattering of cold neutrons from liquid argon at elevated temperatures, 22:21891
Resonant and nonresonant capture of slow neutrons in ^{169}Tm$(n,\gamma)^{170}$Tm, 22:53206
Temperature dependence of quasi-elastic scattering of cold neutrons from liquid argon, 22:24785 (BNL-12372)
MUETTER, K. H. Invariant functions and discrete symmetries. II, 23:49223
Regge-pole model for invariant functions. III, 24:3565
Regge-pole model for invariant functions. II, 24:3692
Regge-pole model for the invariant functions of the nucleon—nucleon and meson—nucleon scattering, 23:10832
Unitarity constraints on helicity flip amplitudes in meson—nucleon scattering, 25:53215
Unitarity constraints on helicity-flip amplitudes in nucleon—nucleon scattering, 25:22851
Veneziano model for nucleon nucleon and nucleon antinucleon scattering. I, 25:1561
MUETTER, K.-H. Invariant functions and discrete symmetries. I, 23:39779
Regge pole model for invariant functions. IV, 23:51952
Veneziano model for nucleon—nucleon and nucleon—antinucleon scattering. II, 25:1569
MUETTERTIES, E. L. Chelate chemistry. V, 21:3065
MUFEL, V. B. Frequency—time spectra of microwave impulse signals, 23:49289
MUFF, P. Cross-field photomultiplier with sub-nanosecond risetime suitable for nuclear studies, 22:28231
MUFTI, A. R. Nuclear magnetic moment of /sup 117m/In, 22:20595
MUFTI, I. Cooling of high-level radioactive wastes in mines by air ventilation, 22:16821
Temperature rises in salt deposits due to underground storage of radioactive waste, 21:41185 (BMwF-FBK-67-62)
MUGA, M. L. Prog. rpt. on nuclear chemistry, annual, 1969, 24:22146 (ORO-2843-15)
Ternary fission of ^{233,235}U, 21:44695
Ternary fission of ^{240}Pu and ^{242}Pu, 24:30777
Ternary fission of heavy nuclei, 21:17369
Time-of-flight particle detector, 24:36566
Versatile dE/dx detector for heavy mass nuclear particles, 25:48957
MUGA, M. Louis Prog. rpt. of nuclear chemistry group, 1967, 22:9855 (ORO-2843-12)
MUGA, Marvin Luis Improved charged particle detector, 25:34887
MUGGENBURG, B. A. Bilateral bronchopulmonary lavage with DTPA solution for removing inhaled ^{144}CeCl$_3$, 25:29544 (LF-43, pp 286-94)
Removal of relatively soluble ^{144}Ce from the lungs of beagle dogs: intravenous administration of a DTPA solution, 25:29543 (LF-43, pp 280-5)
MUGGEO, M. Insulin radioimmunoassay, 24:23061
MUGGIA, Franco M. Constrictive pericarditis following radiation therapy, 22:31141
Creatine phosphokinase and other serum enzymes during radiotherapy, 24:16994
MUGGLESTONE, D. Non-LTE analysis of spectral lines, 24:51350
Solar Na D-lines. II, 22:17302
Solar sodium D lines. I, 22:8912
MUGGLETON, A. H. F. Production of large volume Ge(Li) detectors, 24:5880 (EUR-4269, pp 121-31)
MUGGLETON, L. M. Appleton's last note on E-region seasonal anomaly, 25:52719
Effect of Sun—Earth distance on E-region ionization, 25:52720
Relation between sunspot number and the ionospheric index IF2, 23:3371
Secular variation in F region response to sunspot number, 24:6464
Solar-cycle control of N/sub m/(E), 25:52721
MUGHABGHAB, S. F. Breakdown of the extreme statistical model in neutron capture, 25:53665
Neutron cross sections and resonance parameters of Yb isotopes, 22:53192
Neutron resonance parameters of the erbium isotopes, 21:46759
Neutron resonance structure of ^{166}Er and paramagnetic scattering of ^{166}Er, 23:3996 (CONF-670653-1)
Nonstatistical effects in reaction ^{163}Dy$(n,\gamma)^{164}$Dy, 25:10047
Reaction mechanism for p-wave neutron capture in ^{92}Mo and ^{98}Mo, 25:39054
S-wave neutron strength functions of Gd isotopes, 23:37268
Study of radiation widths and neutron strength functions of Dy isotopes, 24:38276
Systematic properties of neutron resonances in the rare earth region, 21:30012
Thermal cross sections and paramagnetic scattering cross sections of Yb isotopes, 22:20562 (BNL-12263)
MUGHABGHAB, Said F. Neutron cross sections, 21:2653 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2A))
Neutron cross sections, 21:11919 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2B))
Neutron cross sections, IIC, 21:33958 (BNL-325(2nd Ed.)(Suppl.2)(Vol.2C))
MUGHRABI, H. Compact device for low temperature neutron irradiation of deformed specimens under a defined tensile stress, 23:17655
Dislocation arrangement of deformed Cu single crystals in the stress-applied state. I, 25:35520
Dislocation arrangement of deformed Cu single crystals in the stress-applied state. II, 25:35519
Dislocation arrangement of deformed Cu single crystals in the stress-applied state. III, 25:35518
Electron microscope observations on the dislocation arrangement in deformed copper single crystals in the stress-applied state, 23:6709
Investigations of plastically deformed Cu in stress-applied state, 24:34900
MUGIBAYASHI, Nobumichi Asymptotic fields in model field theories. I, 25:41060
Extended formulation of quantum electrodynamics, 23:39801
Friedrichs—Berezin transformation and its application to the spectral analysis of the BCS reduced Hamiltonian, 22:9252
MUGLIAROLI, H. Comparative dosimetric study in the treatment of gynecological cancer with radiation, 23:12061 (CNEA-215)
MUGLIAROLI, H. A. Activities of the Argentine Atomic Energy Commission in Radioisotope applications in biology and industry, 24:39144 (PRNC-135, pp 100-5)
Irradiation of dried albumin from cattle blood, 21:26711
MUGLIAROLI, Hugo A. Dosimetry of photographic emulsion for measuring high doses of gamma radiation, 23:29231 (CNEA-232)
Effects of radiocolloids on serous effusions of neoplastic origin, 23:31858 (CNEA-216)
MUGNIER, D. Beta spectrometer with trochoidal trajectories using ironless coils, 21:3270
Spherical aberration effects on the transmission, luminosity, and resolution for a β spectrometer with trochoidal trajectories, 21:17874
Versatile aluminum alloy for cryogenic applications, 21:43610
MUGNIER, Daniel Compensation of terrestrial magnetic field in development of a β spectrometer, 24:16877
Magnetic field with symmetry of revolution that decreases with inverse distance to axis, 21:279
MUGNOZZA, G. T. S. Radio induced mutation of hard wheat, 25:11033
Radio-induced mutation of hard wheat, 25:11034
MUGNOZZA, G. T. Scarascia Occurrence of 2C and 4C nuclei in the radicle meristems of dry seeds in T. durum DESF, 21:14766
MUGNOZZA, Giantommaso Scarascia Two lines of durum wheat obtained by radio-induced mutation, 22:33983
MUHA, G. M. Power-line bidirectional Zeeman modulator for NQR spectroscopy, 24:44366
MUHAMMAD, Amir Inhibition of the germination in gamma irradiated onions, 25:8815
MUHAMMED, Amir Effect of gamma radiation on Harichal bananas, 24:34819
Effect of radiation on ethylene production and ripening of bananas, 24:2851
Gamma radiation effect on the behavior of harvested tomatoes, 25:613
Mutagenic effect of irradiated media on E. coli, 25:42755
Ultraviolet-induced decrease in integration of transforming DNA, 24:16999
MUHEIM, J. Purification of europium, 25:52307
MUHI-ELDEEN, Zuhair A. R. Chemical studies designed to prepare radioprotective agents, 25:31893
MUHLBAIER, David R. Activity confinement system of Savannah River Plant reactors, 21:5700 (DP-1071)
Prog. rpt. on test of carbon beds for reactor confinement applications, final, 2—6/66, 21:36297 (DP-1082)
MUHLBERGER, Friedrich Method for determining the content of cement in concrete, 25:8232
MUHLEMAN, D. O. Electron content of interplanetary medium between Earth and Venus, 23:16606
Radio interferometric test of the general relativistic light bending near the sun, 24:35075
MUHLER, Joseph C. Effect of dietary Na alginate on radiostrontium absorption, 24:23096
Effect of ferric ferrocyanide, beet pulp, and fluoride upon ^{137}Cs retention, 23:35713
Effects of sodium alginate on radiostrontium retention, 24:27515
MUHLESTEIN, L. D. Investigation of in-band resonant modes in Cr—W alloys by inelastic neutron scattering, 25:12019
Lattice dynamics of yttrium at 295 K, 24:28436
MUHSI, Abu Ahmed Abdul Uptake and metabolism of ^{59}Fe in chlorosis susceptible and resistant grain sorghum, 21:43353
MUICA, V. Investigations on occupational exposure to x radiation, 22:45513
MUINOV, T. M. Activation energy of process of thermal destruction of γ-irradiated polystyrene, 25:46503
Mass spectrometric investigation of thermal decomposition of γ- and neutron-irradiated polystyrene, 24:16599
Studies on thermal degradation of γ-irradiated polycaproamide by means of mass spectrometry, 25:2288
MUIR, A. H. Jr. Determination of nuclear quadrupole moment of /sup 57m/Fe from α-Fe$_2$O$_3$ data, 22:44671
Nuclear quadrupole moment /sup 57m/Fe from hyperfine interactions in α—Fe$_2$O$_3$, 22:46745
MUIR, Arthur H. Jr. Moessbauer effect data index 1958-1965, 21:44207
MUIR, C. E. Prog. rpt. on barley cytogenetics and breeding, 8/67, 22:23489 (RLO-353-21)
MUIR, C. W. A. Precipitation of ammonium uranous fluoride, 21:24087 (PEL-121(Vol.4), pp 411-31)
Prog. rpt. on extraction metallurgy, 12/65, 21:24085 (PEL-121(Vol.4))
MUIR, D. C. F. Deposition of 0.5 μ diameter aerosols in the lungs of man, 21:41419
Elimination of 5μ particles from the human lung, 21:32592
MUIR, D. W. Fission fragment angular distributions for ^{230}Th, ^{232}Th, ^{231}Pa, and ^{239}Pu, 25:43888 (LA-4648)
MUIR, Douglas William High-resolution energy-loss analyzer for inelastic electron scattering, 22:49107
MUIR, Douglas William Ballantyne Monitoring devices indicating spacing between articles moving in a stream, 22:10624
MUIR, J. Branching ratio (K/sub L/° $\rightarrow \pi\mu\tau$)/(K/sub L/° $\rightarrow \pi e\tau$), 23:42546
Observation of radiative electronic decay mode of long-lived neutral K meson, 25:38643
MUIR, J. R. Excretion of ^{3}H following exposure of man to HTO, 23:4893
MUIR, K. M. Comparison of /sup 99m/Tc scintigraphy with ultrasonic scanning in the detection of liver disease, 23:48147
Placental localization using ^{51}Cr-tagged erythrocytes, 23:2882
MUIRDEN, K. D. Clearance of ^{59}Fe-labelled erythrocytes from rabbit knee joints. II, 24:41749
MUIRHEAD, A. How safe are microwaves, 23:50577
MUIRHEAD, E. G. ^{39}K photoneutron cross section to the isomeric state of ^{38}K, 24:43299
^{39}K photoneutron cross section to the ^{38}K isomeric state, 25:48055
Experimental measurements of vibrational splitting of the giant dipole resonance, 22:27222
Low-O (d,n) stripping reactions on ^{10}B, ^{12}C, and ^{13}C, 23:8951
Photoneutron cross sections of ^{28}Si and ^{24}Mg, 25:12469
Reaction ^{2}H$(p,\gamma)^3$He at the breakup threshold, 21:23407
Structure in giant resonance of ^{108}Pd and of ^{110}Pd, 24:13350
Structure in giant resonance of ^{108}Pd and of ^{110}Pd, 24:18409 (UM-P-69/18)
Structure in giant resonance of ^{64}Zn and ^{63}Cu, 23:7271
Vibrational and isospin splitting of the ^{108}Pd giant dipole resonance, 24:43454
Vibrational splitting of the giant dipole resonance. II, 24:20380

- Vibrational splitting of the giant dipole resonance, 24:43298
- MUIRHEAD, H. Annihilation process p anti p $\rightarrow$ $2\pi^+2\pi^-\pi^0$ at 2.5 GeV/c, 25:45660
  - Annihilation process p anti p $\rightarrow$ $2\pi^+2\pi^-$ at 2.5 GeV/c, 25:59271
  - Evidence for the existence of mesons decaying to four pions, 21:18903
  - Gross features of annihilation process pantip $\rightarrow$ nπ, 23:36912
  - Pion—pion correlations at low energies, 23:30701
  - Reaction p anti p $\rightarrow$ p anti p$\pi^+\pi^-$ at antiproton momentum of 2.5 GeV/c, 25:45661
  - Scattering $\pi\pi$ effects in pantip annihilations at 2.5 GeV/c, 22:39372 (CERN-68-7(Vol.1), pp 595-8)
  - Search for meson resonances in high multiplicity processes, 22:39373 (CERN-68-7(Vol.2), pp 281-302)
- MUIRHEAD, K. J. Comparison of the 1968 P tables with times from nuclear explosions. I, 24:9536
  - Comparison of the 1968 P tables with times from nuclear explosions. II, 24:9537
  - Eliminating false alarms when detecting seismic events automatically, 22:14600
  - Longitudinal waves from the Novaya Zemlya nuclear explosion, 23:21834
- MUIRHEAD, W. Carcinoma of cervix, 23:38845
- MUIZEBELT, W. J. Polar exchange of iodine molecules with substituted benzhydryl iodides, 24:38680 (RLO-1310-15)
- MUJEEB, K. A. Evolution of new varieties of mango through induced somatic mutations by ionizing radiation, 21:26683
- MUJEEB, Kazi Abdul Gamma radiation effects on Phaseolus vulgaris L. and seed radiosensitivity determinations for other species, 25:18946
- MUJU, B. L. Permeation of electrolytically generated hydrogen and tritium atoms through lead, 25:51464
- MUK, A. Complex formation of Zr and Th ions with Arsenazo III in perchloric acid solutions, 25:15632
- MUKAI, K. Rabbit body irradiated with x rays in comparison with fast neutrons, 23:24732
- MUKAI, Kenji Rabbit ciliary body irradiated with fast neutrons, 22:49595
  - Rabbit ciliary body irradiated with x-rays in comparison with fast neutrons, 23:48218
- MUKAI, Shigeru Treatment of fuel-reprocessing liquid wastes by the flotation method. VII, 23:2388
  - Treatment of nuclear fuel reprocessing liquid wastes by flotation method, 23:15953
- MUKAI, Takao Measurement of neutrons from 32 MeV medical betatron, 24:33076
- MUKAI, Terumi Maintenance of genetic variability in Drosophila populations, 23:17992
  - Maintenance of polygenic and isoallelic variation in populations, 24:34261
- MUKAI, Yoshihiro Biological effects of 15 MeV electron beams of betatron to lymphoid tissues of mice, 25:8780
- MUKAIBO, T. Accelerating effect of iodine on the oxidation of nuclear graphite by carbon dioxide, 21:1338
  - Crystal structure of graphite bromine lamellar compounds, 25:58404
  - High temperature heat capacity of uranium monosulfide by the laser flash method, 25:52445
  - High temperature reaction between uranium monosulfide and zirconium, 25:29965
  - New compound: UNF, 23:17409
  - Uranium mononitride: heat capacity and thermal conductivity from 298 to 1000°K, 25:24635
- MUKAIBO, Takashi Effect of porosity on the thermal conductivity of ThO$_2$, 24:6263
  - Effect of zirconium alloying on high temperature oxidation of niobium, 23:1057
  - Fabrication of uranium monosulfide, 24:23514
  - Heat capacity of uranium monosulfide from 300° to 600°K, 24:43997
  - High temperature oxidation properties of Nb—Al and Nb—Be alloys in the temperature range 485° to 1035°, 25:22022
  - Hydrolysis of uranium monocarbide and oxidation potentials, 22:47134
  - Kinetic study of the reaction between uranium monocarbide and water vapor, 21:35939
  - Measurement of heat capacity at high temperatures, 24:36978
  - Oxidation behavior of uranium monosulfide, 23:22624
  - Oxidation of thorium nitrides, 25:16560
  - Preparation of U disulfide from U chloride, 22:4103
  - Preparation of uranium carbide from uranium chloride, 21:8279
  - Preparation of uranium carbide from uranium chloride, 23:11502
  - Preparation of uranium carbide from uranium tetrafluoride, 23:12404
  - Preparation of uranium nitrides from uranium tetrachloride, 22:19612
  - Preparation of uranium nitrides from uranium tetrafluoride, 23:8289
  - Preparation of US from UF$_4$, 24:20779
  - Problems of power reactor siting in Japan, 23:4155
  - Study on the rate and the products of the reaction between uranium monocarbide and water, 22:77
  - Thermal conductivity of ThO$_2$—UO$_2$ system, 23:22661
- MUKAIYAMA, Takehiko Doppler coefficient measurements in FCA, 24:33411
  - Measurement of fast neutron spectrum with ^{3}He proportional counter, 25:34409
  - Measurements of k-infinity on zero-leakage zoned system (FCA IV), 25:48350 (JAERI-Memo-4339)
  - Prompt neutron life time of FCA fast assemblies, 23:31206
- MUKAIZAKA, Masakatsu Committee meeting on heavy-ion nuclear physics, Kyoto Univ., 2/66, 23:25940 (KURRI-TR-18)
- MUKASEEV, A. A. Elasticity of Ti and Zr nitrides, 22:38630
- MUKASHEV, F. A. Interpretation of uranometric anomalies in arid regions by means of ^{234}U/^{238}U isotopic ratio, 22:18914 (AWRE-Trans-55)
  - Uranium anomalies in arid regions, 21:36115
- MUKERJEE, D. Analytical chemistry of benzilic acid, 22:4026
  - Analytical chemistry of benzilic acid, 22:30660
  - Chromatographic separation of Ga, In, Zr, and UO$_2$, 21:17710
  - Microdetermination of U(VI), 21:38884
  - Solvent extraction of Tl(III), 22:160
- MUKERJEE, Hari Gopal Collisional damping of waves in an electron plasma, 22:24344
- MUKERJEE, Himansu Radiosensitivity and biological properties of tumours. XIII, 22:36360
- MUKERJI, A. Directional correlations of gamma-ray cascades in ^{103}Rh, 25:20404
  - K-shell internal-conversion coefficients of 122- and 136.4-keV gamma transitions of ^{57}Co, 22:5792
  - X-ray induced F-centers in CaF$_2$, 21:37598
- MUKERJI, Ambuj Directional correlations of gamma ray cascades in ^{103}Rh, 22:27170
  - H and F bands in alkaline-earth fluorides, 23:12964
  - Moessbauer effect, 21:1122 (AD-636033)
  - Moessbauer effect, 23:5457
  - Orbital electron captures in ^{51}Cr and ^{65}Zn and the K-fluorescence yields of V and Cu, 21:33926
  - Orbital electron captures in ^{57}Co and the K-fluorescence yield of Fe, 21:12002
- MUKERJI, B. Effect of ionizing radiation at the cellular level, 22:49516
- MUKERJI, J. Alkali nitrate fusion for quantitative estimation of ruthenium, 23:33
- MUKHA, I. M. Effect of heating by glow discharge on the physico-chemical surface condition of solid alloys, 25:58233
  - Production of instrument electrodes by electron sputtering. IV, 24:23531
- MUKHA, L. Ya. Effect of gamma and neutron irradiation on the ferromagnetic resonance in ferrites, 22:5451
  - Influence of ^{235}U fission fragments on ferromagnetic resonance of single-crystal ferrites, 22:31972
- MUKHACHEV, B. V. Ionization chamber for dose rates up to 10^4 roentgens per second, 24:29590
- MUKHAILOV, S. M. Thermoemissive properties of a spherical monocrystal of tantalum, 25:59177
- MUKHAMBETZHANOV, K. K. Influence of gibberellin on the activity of enzymes in irradiated plants, 24:7742
- MUKHAMEDGALIEV, F. M. New evidence concerning the structure of spermatozoon head in animals, 25:39918
- MUKHAMEDOV, T. Biological effect of combined exposure to ^{131}I and noise, 23:22375 (AEC-tr-6944, pp 350-8)
  - Distribution and build-up kinetics of ^{131}I in thyroid gland on chronic penetration into organism, 23:22156 (AEC-tr-6944, pp 54-60)
  - Effect of ^{131}I, noise, and their combined action on dogs, 25:23987 (AEC-tr-7195, pp 397-404)
- MUKHAMEDZHANOVA, D. Influence of pollen radiation on crossing ability and variability in cotton, 25:4499
- MUKHAMMADZHANOV, Kh. R. Influence of complex compounds of trace elements on the rate of incorporation of ^{14}C—glycine into γ-globulin and antibodies of nonirradiated and irradiated rats, 22:10853
- MUKHAMMEDOV, S. Determining niobium by activation methods, 25:62
- MUKHANOVA, V. L. Effects of irradiation of corn seeds on yield and quality, 23:20423
- MUKHEDKAR, A. J. ir spectra and magnetic susceptibilities of uranyl complexes, 25:34612
  - Nature of bonding in uranyl ion. I, 25:23592
  - Nature of bonding in uranyl ion. II, 25:23589
- MUKHERJEE, A. K. Dislocation mechanisms in single crystals of tantalum and molybdenum at low temperatures, 21:13168
  - Experimental confirmation of an asymmetric Peierls barrier in the temperature dependence of yield stress in tantalum and tungsten, 25:35375
  - Role of phagocyte in host-parasite interactions. XV, 23:41422
  - Role of the phagocyte in host-parasite interactions. XIV, 22:51909
- MUKHERJEE, A. S. Dosage compensation in Drosophila, 24:25463
- MUKHERJEE, Amiya K. Correlations between high-temperature creep behavior and structure, 24:48818 (UCRL-19056)
  - Experimental correlations for high-temperature creep, 23:6669 (UCRL-18526)
  - Role of climb in processes, 24:8081 (AERE-R-5944(Vol.2), pp 422-95)
  - Strain-rate effects, 25:8181 (UCRL-20320)
- MUKHERJEE, Aruna Stability of U(VI)-chelates of some N-substituted salicylhydroxamic acids, 24:38814
- MUKHERJEE, B. B. Uptake of isolated metaphase chromosomes by mammalian cells in vitro, 25:2515
- MUKHERJEE, B. K. Current-induced intermediate state in Type-I superconductors, 25:14165
  - Destruction of superconductivity by a current, 21:37392
  - Destruction of superconductivity by a current, 22:48054
  - Structure of current-induced intermediate state in Type-I superconductors, 25:56102
- MUKHERJEE, D. Effect of x-rays on plant growth, flowering, and fruiting in Impatiens balsamina L, 25:27086
- MUKHERJEE, I. E0 transitions in ^{152}Sm and ^{152}Gd, 23:23685
  - Particle—core states in ^{207}Pb, 23:31002
- MUKHERJEE, Iva Genetic-evolutionary studies on cultivated cannas. IV, 25:516
- MUKHERJEE, J. L. Effect of thermal treatment of hardness and tensile properties of Zr—0.5 wt percent Nb—1.0 wt percent Cr alloy, 22:6980 (BARC-295)
- MUKHERJEE, K. Martensitic transformation in splat cooled metastable Au—47.5 at. percent alloy, 25:49462
  - Thermal hardening in neutron irradiated vanadium, 24:21404
- MUKHERJEE, K. L. Effect of stem rust on the uptake and incorporation of ^{32}P by wheat seedlings, 21:45546
- MUKHERJEE, K. P. Studies on properties of some ternary copper alloys of Cu—Mn—Zn and Cu—Mn—Ni system, 21:45927
- MUKHERJEE, Nati Effect of uv irradiation and ^{32}P decay on thymineless death in E. coli, 25:55359
- MUKHERJEE, P. Beta-vibrational band in ^{152}Sm, 24:6938
  - Calculation of excited ^{1}P-state wave functions, 24:19778
  - E0 transitions in ^{152}Sm and ^{152}Gd, 23:23685
  - Effect of hexadecapole deformation on the $\Delta N = 2$ crossing of the Nilsson orbitals, 25:56858
  - Effect of uv irradiation and ^{32}P decay on thymineless death in E. coli, 25:55359
  - Estimation of (t,p) reaction reduced widths from surface—delta interaction wave-functions, 22:32554
  - Europium-152 as a calibrating source for Ge(Li) detectors, 23:16114
  - Influence of chloramphenicol on irradiated bacteria, 25:13613
  - Modified Nilsson orbitals and their applications in analysis of (d,p) reactions on rare earth nuclei, 22:32649
  - Nuclear structure studies with isobaric analog resonance reaction, 24:40665 (CONF-691208-(Vol.1), pp 3-12)
  - Particle—core states in ^{207}Pb, 23:31002
  - Recovery of x-irradiated bacteria, 25:47066
  - Survival of x-irradiated bacteria, 25:49321
- MUKHERJEE, P. K. Self-consistent calculation of dynamic polarizability and excited p-state wave functions of two-electron atom and ions, 23:41987
- MUKHERJEE, P. N. Current experimental activities of the Saha Inst. of Nuclear Physics, 24:28700
- MUKHERJEE, Paresh Nucleon correlation with two-particle-stripping reaction, 21:15610 (CONF-660221-, pp 104-9)
- MUKHERJEE, R. Repair and radiosensitivity phenomena in Drosophila males, 22:25821
- MUKHERJEE, R. N. Effects of sodium fluoride and iodoacetamide on mutation induction by x-irradiation in mature spermatozoa of Drosophila, 23:6421
- MUKHERJEE, Ramendra Nath Modification of radiation-induced mutation frequencies by antibiotics in Drosophila melanogaster, 21:24534
- MUKHERJEE, Reba Photodisintegration of deuteron, 22:32486
- MUKHERJEE, S. Analytical studies in charged-particle partial-wave amplitude, 21:46602
  - Broken conformal invariance and the possible existence of an operator algebra, 25:47919
  - Fast convergence of t-matrix, 24:16002
  - Improvements in tests of long-range charge independence, 25:36522
  - Low energy neutron scattering from nuclei, 22:32712
  - Multiple scattering of high-energy Dirac particles, 21:43771
  - Multiple scattering of high-energy electrons from beryllium, 22:17379
  - Optical potential for deuterons, 24:15834
  - Optical potentials for ^{3}He and triton, 25:50853
  - Optical well scattering of neutrons from nuclei, 22:32711
- MUKHERJEE, S. C. Electron capture and excitation in He$^+$—He collisions, 22:5088
  - Electron capture by positrons from molecular hydrogen, 25:14006
- MUKHERJEE, S. K. Decay of ^{163}Tb and the excited states of ^{162}Dy, 21:13877
  - Decay of ^{166}Ho, 21:15560 (CONF-660221-, pp 224-7)
  - Decay of ^{176}Tm, 21:15558 (CONF-660221-, pp 214-17)
  - Decay of ^{176}Tm, 22:24885
  - Decay of ^{176}Tm and levels of ^{176}Yb, 22:24886
  - Decay of ^{176}Tm and the energy levels of ^{176}Yb, 21:15559 (CONF-660221-, pp 218-21)
  - Decay of ^{186}Ta, 23:19281
  - Decay of ^{186}Ta to levels in ^{186}W, 24:38253
  - Decay of ^{74}Ga, 21:15519 (CONF-660221-, pp 222-3)
  - Decay of ^{86}Y, 23:19284
  - Decay of /164m/Ho and /164g/Ho, 25:17799
  - Decay of /sup 91mg/Mo to the levels in ^{91}Nb, 25:50783
  - Decay of 1.6 min /sup 185m/W, 24:15902
  - Decay of 6 min ^{152}Pm, 25:50782
  - Decay of the 18.8-min /sup 126m/Sb, 23:19280
  - Effect of gamma radiation and ethyl methane sulfonate on grapes, 23:50936
  - Excited levels in ^{61}Co from decay of ^{61}Fe, 21:38289
  - Half-lives of the excited states of ^{46}Ti, ^{86}Rb, ^{99}Tc, ^{161}Dy, ^{166}Er, and ^{196}Au, 22:18237
  - High-resolution spectroscopy of /sup 84m/Rb and /sup 86m/Rb, 24:22109
  - Lifetime measurements of the excited states of ^{46}Ti, ^{86}Rb, ^{99}Tc, ^{161}Dy, ^{166}Er, and ^{196}Au, 22:32643
  - Lifetimes of excited levels and electromagnetic transition rates in ^{51}V, ^{75}As, ^{89}Y, and ^{123}Sb, 25:7835
- MUKHERJEE, S. N. Application of intermediate-coupling unified nuclear model to odd-mass iodine isotopes, 22:48529
  - Collective behaviour in some 1f/sub $^7/_2$/even—even nuclei, 22:48603
  - Insensitivity of γ(d,n)p cross sections to realistic potentials, 21:29877
- MUKHERJEE, Shankar Photodisintegration of deuteron, 22:32486
- MUKHERJEE, Shankar N. Stripping cross-section calculations, 23:42894
- MUKHERJEE, Suprokash Complex angular momentum approach to optical model of elastic scattering, 23:23799
  - Modified Regge representation, 21:42464
  - Modified Regge representation, 24:47512 (SINP-TH-67-6)

  Optical potential for composite particles, 25:17987
  Optical potential for deuteron, 23:40152
  Optical potential for the deuteron, 22:50686
  Scattering amplitudes generated by pole terms of Regge-type representations, 22:35146
MUKHERJEE, T. K. Preparation of Nb metal, 24:17254
MUKHERJEE, T. M. Mice following whole-body x irradiation, 24:14605
  Unusual membrane alterations in mitochondria after whole-body x irradiation, 23:50816
MUKHERJI, A. Calculation of excited ^{1}P-state wave functions, 24:19778
  Effect of ultraviolet irradiation on the mineral uptake and osmotic barrier of certain bacteria, 23:35637
  Self-consistent calculation of dynamic polarizability and excited p-state wave functions of two-electron atom and ions, 23:41987
  Self-consistent calculation of van der Waals force constant, 22:13229
MUKHERJI, A. K. Analytical chemistry of zirconium and hafnium, 24:46181
MUKHERJI, Anil Thorium fluoride complexes. Determination of the stability constants using the fluoride ion activity electrode, 25:26268
MUKHERJI, S. Correlation between the number of neutrons emitted, the scission point configuration, and the total kinetic energy in fission, 23:19269
  Microbiological control of radiation sterilization of medical supplies. I, 23:29922 (RISO-122)
  Microbiological control of radiation sterilization of medical supplies. I, 23:38911
MUKHERJI, Shankar Liquid drop model calculation of total prompt gamma energy, total kinetic energy, and scission point deformation of fragment pairs from prompt neutron numbers, 25:50789
  Nuclear charge distribution in fission, 23:28339
  Nuclear charge distribution in thermal-neutron induced fission of ^{235}U, 23:19271
MUKHERJI, V. Effect of ultraviolet irradiation on the mineral uptake and osmotic barrier of certain bacteria, 23:35637
MUKHIKA, Khose D. Chronometric invariance and the problem of gravitational energy, 22:18024
MUKHIN, A. External versus internal muon identification in the 15-foot bubble chamber, 25:1389 (UH-511-84-70)
MUKHIN, A. I. Argon K series in atomic capture of negative muons, 21:20769
  Charged particles produced in capture of negative muons by ^{28}Si, ^{32}S, ^{40}Ca, and ^{64}Cu nuclei, 25:31267
  Excited nuclear states during capture of negative muons by carbon and oxygen, 24:38117
  Excited states of nuclei in negative muon capture by carbon and oxygen, 24:8841 (JINR-P15-4745)
  Gas target for experiments with slow mesons, 21:45400
  Gas target for slow meson experiments, 24:15713 (CERN-Trans-69-29)
  Light yield of CsI(Tl) crystal bombarded with protons, deuterons, and tritons, 25:33406 (JINR-P1-5682)
  Measurement of muon (2p—1s)-transition energies in atoms from sulfur to chromium, 21:16803
  Measurement of ppμ molecule formation rate in gaseous hydrogen, 23:44174
  Measurement of ppμ-molecule formation rate in gaseous hydrogen, 22:45921 (JINR-P15-3964)
  Muon capture in gas mixtures, 21:24896
  Structure of K series in atomic capture of negative muons, 21:20770
MUKHIN, E. Ya. Crystallization capability of glasses in system B_2O_3—La_2O_3—CdO, 23:10289
MUKHIN, G. I. Individual dosimeter, 25:55051
MUKHIN, Georgy Ilich Piezoelectric charging device, 23:50187
MUKHIN, I. E. Migration of global ^{137}Cs from podzolic turf soils to human organism through food chains, 22:25799 (A-AC-82/G/L-1187)
  Peculiarities of migration of total ^{137}Cs from sandy podzolic soils, 23:17999 (AEC-tr-7030, pp 1-13)
MUKHIN, K. N. Elastic (π^-p)-scattering on 4.5 GeV/c, 25:53023 (IAE-1975)
MUKHIN, N. A. Processing of solid low-level radioactive waste, 25:21122
MUKHIN, N. N. Determination of oxygen dissolved in a liquid by the isotope-dilution method, 22:22987
MUKHIN, P. A. An injector of fast hydrogen atoms, 21:27119 (UCRL-Trans-1262)
  Beam neutralizer for intense ion beams, 21:5274 (NP-tr-1432)
  Neutralizer of intense ion beams, 22:15333
MUKHIN, Petr Andreevich Device for neutralizing high-energy ion beams, 22:33693
MUKHIN, S. Backward rho^0 production in π^+p reactions at 5.2 GeV/c, 25:9665
  Wire spark chamber with ferrite core read-out, 24:9694
MUKHIN, S. V. Electrodynamical separator of high-energy particles, 22:32355 (CEAL-2000, pp A160-2)
  Linear gates of the nanosecond range, 25:49044
  Pulse shaper triggering from fixed part of the pulse amplitude of the photomultiplier, 24:33868 (JINR-P13-5065)
  Pulse shaper with the zero time of regeneration for the apparatus blocking at the large loading, 25:8545 (JINR-P13-5377)
  Test of deflector for high energy particle electrodynamic separator, 21:19089 (JINR-P9-3165)
  Time-coordinate compensator for the time spectrometers with long scintillators, 25:10813 (JINR-P13-5378)
MUKHIN, V. A. Constant-current MHD machine with segmented electrodes, 25:45330
MUKHIN, V. S. Fast reactor carbide fuel elements, 24:41048 (TRG-Report-1911, pp 253-65)
MUKHIN, V. V. Effect of ambient media on properties of pressure-worked niobium, 22:15195
MUKHINA, G. V. Solution of integral Peierls equation, 25:53357 (IAE-1970)
  Theoretical model of the fouling process in the cores of organic coolant reactors, 24:18648 (IAE-1833)
  Use of quasi-adiabatic calorimeters for in-pile dosimetry, 23:26587
MUKHINA, S. A. Mixed-base plastic scintillators, 21:38982
MUKHINA, V. B. Calculation of the extraction system for synchrocyclotron, 23:7201 (JINR-P9-4102)
  Formation of magnetic field in central region of synchrocyclotron to increase vertical focusing, 21:23366 (JINR-P9-3181)
MUKHITDINOVA, I. A. Excitation of the resonance line of xenon by electron impact, 22:41312
MUKHITOVA, O. V. Magnetic field calculation in track points, 22:359 (JINR-P11-3512)
MUKHOPADHYAY, Debdas Effects of x radiation on Nicotiana tabacum, 24:34755
MUKHOPADHYAY, N. C. Particle parameters for conversion electrons in ^{152}Sm, ^{152}Gd, and ^{160}Dy, 23:23697
MUKHOPADHYAY, Nimai C. Particle parameters in internal conversion of E2 transitions in ^{152}Sm, 23:19276
MUKHOPADHYAY, P. Thermal conductivity of hydrogen—helium gas mixtures, 21:24911
  Transmission electron microscopic studies of cold-rolled zirconium, 25:27245 (INIS-mf-15)
  Transmission electron microscopic studies of cold-rolled zirconium, 25:45086
MUKHOPADHYAY, S. Cavity modes for determination of plasma electron distribution, 25:33241
  Electron collision frequency in Hg vapor dc glow discharge plasma column, 25:40607
  Profile parameter in a plasma, 25:25093
MUKHOPADHYAY, S. K. Off-energy-shell continuation of the two-nucleon transition matrix, 24:6965
  Off-energy-shell continuation of the two-nucleon transition matrix, 24:43542
MUKHOPADHYAY, Susanta Kumar Two-nucleon reaction matrix off the energy-shell, 25:20485
MUKHOVATOV, V. S. Experiments in the Tokamak-6 device, 25:38358 (CONF-710607-79)
MUKHTAR, A. Electrocrystallization of tantalum and niobium from molten fluoride mixtures, 22:45056
MUKHTAROV, A. I. Cherenkov radiation of Dirac monopole, 24:3487
  Elastic scattering of high-energy π^- mesons on electrons, 22:9547
  Investigation of $e^- + e^+ \rightarrow \mu^- + \mu^+ + \gamma$ process in nonlocal theory taking into consideration polarization of particles, 22:9532
  Polarization of γ quantum bremsstrahlung during inelastic π^{+-}(K^{+-})—e scattering, 22:7470
  Radiational scattering of neutrinos over leptons, 24:37723
MUKHTAROVA, F. G. Interrelations of changes in content of proteins, vitamins, and inorganic substances in blood of irradiated rabbits, 21:34596
MUKHTASIMOV, F. N. Amplification of weak lines of conversion-electron spectra obtained by a β spectrograph, 21:6291
  Conversion electron spectra of ^{158}Ho, 21:25510 (JINR-P6-3241)
  Decay of ^{158}Ho, 22:5814 (JINR-P6-3464)
  Decay of ^{159}Ho, 21:12067
  Studies of the ^{138m}Pr decay scheme, 22:39666
MUKHTEREMOV, D. N. Optical absorption and defects in γ-irradiated Seignette's salt, 23:21001
MUKOSEI, N. V. State of the heterochromaffin cells in acute radiation sickness, 25:46972
MUKOSEY, V. I. Calculation of efficiency of spherical β-radiation source, 23:6259 (BNL-tr-239)
MUKOYAMA, Takeshi Measurements of lattice parameters with a single fuel assembly, 24:4160
  Radiationless annihilation of positrons in lead, 22:43921
MUKOYAMA, Tomoyuki Spectrophotometric determination of trace Mo in Ta, 24:38723
MUKOZAKA, Hiroshi Radiation-induced graft copolymerization of butadiene on polyethylene by trapped radicals, 22:51012
  Radiation-induced graft copolymerization of butadiene to polyethylene by trapped radicals, 23:24265
MUKSINOVA, K. N. Alteration of megakaryocytic-thrombocytic apparatus following fractionated irradiation, 25:21851
  Change in the functional state of erythropoiesis during prolonged fractionated irradiation, 25:27015
  Curative action of bone marrow transfusion, 22:49437
  Erythropoietic activity of the blood in fractional irradiation, 25:29655
  Influence of DNA on natural immunity in irradiated animals, 25:44828
  Repair of radiation damages to chromosomes of bone marrow, 25:44826
MUKUNDA, N. Derivation of the angular condition on current algebras at infinite momentum, 24:40285
  Group theory of the Kepler problem, 21:5065 (NYO-3399-39)
  Harmonies in the motion of celestial bodies under Newtonian attraction, 21:19027
  Majorana wave equations, 23:46627
  Master analytic representation, 23:15170
  Master analytic representations and unified representation theory of certain orthogonal and pseudo-orthogonal groups, 22:35041
  Matrices of finite Lorentz transformations in a noncompact basis. I, 24:8688
  Matrices of finite Lorentz transformations in a noncompact basis. II, 24:10792
  Non-invariance groups and strong coupling models, 21:2510
  Photons and tachyons with continuous spin, 25:12236
  Quantum theory of infinite-component Majorana field, 24:26485
  Realization of Lie algebras by analytic functions of generators of a given Lie algebra, 22:35025
  Relativistic particle spectra and mass splittings, 21:18932
  Theory of stability of tensor operators under perturbations and its application to particle physics, 21:37880
  Unitary representations of homogeneous Lorentz group in O(2,1) basis, 22:29729
  Unitary representations of Lorentz groups: reduction of the supplementary series under a noncompact subgroup, 22:35037
  Unitary representations of the group O(2,1) in an O(1,1) basis, 22:20294
  Unitary representations of the group SL(3,C) in an SU(3) basis, 24:30540
  Zero-mass representations of the Poincare group in an 0(3,1) basis, 22:44463
MULAC, A. J. Evaluation of the impedance probe method of shock speed measurement, 25:28887 (SC-DR-710086)
  Sandia 500-kilojoule arc-driven shock tube facility, 24:43904 (SC-DR-70-217)
  Unsteady one-dimensional diffusion in a uniform flow, 24:36127 (SC-DR-70-369)
MULAC, W. Pulse radiolysis of ammonia gas. II. Rate of disappearance of the $NH_2(X^2B_1)$ radical, 25:41869
MULACHIE, A. Bhabha scattering by e^+,e^- colliding beams, 24:47357 (LNF-70/38, pp 3-20)
  Hadron production by e^+—e^- colliding beams, 24:47359 (LNF-70/38, pp 31-43)
  Test of quantum electrodynamics by Bhabha scattering in the GeV region, 25:41058 (LNF-71/13)
MULADY, J. R. Operation and performance of a compact, isochronous cyclotron, 21:38086
MULAK, J. Crystal field interpretation of magnetic properties of some uranium compounds of $AuCu_3$-type structure, 25:45587
  High-temperature susceptibility of U compounds, 25:22636
  Magnetic properties of the U^{4+} ion in a Cl^- ligand field, 25:123
  Magnetic properties of UCl_4 and chlorouranates(IV), 24:45348
MULAREK, Olga Investigations on nucleic acids content in brain of neonatal rat x-ray irradiated at different periods of fetal life. II, 22:49249
  Investigations on the nucleic acid content in brain of neonatal rats x-ray irradiated at different periods of fetal life. I, 23:8058
  Some radiobiologic aspects of the ionizing radiation effect on fetus development, 24:41968
MULAS, P. Degradation of the time characteristics of surface barrier detectors with fission fragment dose, 23:17859
MULAS, Pablo Approximation for electronic energy loss by fission fragments, 21:29965 (NYO-2807-29)
  Approximation for electronic energy loss by fission fragments, 21:38385
  Differential energy expended per ion pair for fission fragments in H_2, 22:966
MULAWKA, Stefan T. Trace metal accumulation by estuarine mollusks, 22:51329
MULAY, A. S. Effect of an extract of UV-irradiated linolenic acid on azo dye carcinogenesis, 23:29389
MULAY, C. D. Ashing procedures for biomaterial, 23:29305
MULAY, Indumati L. Magnetic susceptibility, 22:25357
  Magnetic susceptibility, 24:26963
MULAY, L. N. Magnetic susceptibilities of some rare earth—Zn (RZn_2) intermetallic compounds, 21:42163
  Magnetic susceptibility, 22:25357
  Magnetic susceptibility, 24:26963
  Philosophy of research: new projects in Moessbauer spectroscopy of systems with weak magnetic interactions, 22:5460
  Prog. rpt. on high-temperature materials phenomena, annual, 3/67, 21:31087 (NYO-2581-7)
  Superparamagnetism and Moessbauer spectroscopy, 22:5461
MULAZZANI, Q. G. Study of oxidation and reduction of $Ru(NH_3)_5N_2^{2+}$ by γ- and electron pulse radiolysis, 25:34657
MULCAHEY, T. P. Development of an in-core permanent-magnet probe-type sodium flowsensor for operation in the Fast Flux Test Facility (FFTF), 25:60183
  EBWR—Pu transfer functions, 21:38523
  Instrumentation systems to protect LMFBR core integrity, 25:31574 (ANL-7793)
  Survey and status report on application of acoustic-boiling-detection techniques to liquid-metal-cooled reactors, 25:1906 (ANL-7469)
MULCAHEY, Thomas P. Space-dependent reactor dynamics, 23:19559
MULCAHY, M. F. R. Study of the ignition of graphite, 21:19599
MULCARE, Robert J. Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. II, 24:14410
  Radioisotopic method for determining optimum non-surgical therapy for advanced cancer. I, 24:14409
MUL'CHENKO, B. F. Investigation of a high-pressure laser spark ignited by an extraneous plasma source, 25:14331
MULDAL, S. Non-random karyotype progression in chronic myeloid leukaemia, 22:40778
MULDER, J. P. F. Cloud chamber measurement of the polarization of d—D neutrons at E/sub d/ = 350 keV, 21:5486
MULDER, Jan Pieter Fokke Scattering of polarized D - D neutrons in diffusion cloud chamber, 22:44577 (NP-17572)
MULDER, K. BOL computer-hardware configuration, 25:20200
  BOL nuclear research project, 25:20198
  Data acquisition with the BOL nuclear detection system, 25:20202
  Electronics of the BOL-system, 25:20199
  Inelastic scattering of 26 MeV deuterons, 22:7681
  Scattering chamber of the BOL-system, 25:20201

Test-procedures for multidetector BOL-system, 25:20207
MULDER, M. P. DNA repair replication in xeroderma pigmentosum cell strains, 25:2567
Repair of x-ray damage in DNA from patients having xeroderma pigmentosum, 25:2535
Replicative organization of DNA in D. hydei, 23:20139
MULDERS, Julien Catalysis of α-H exchange. III, 21:15892
Catalysis of α-hydrogen exchange. VI, 21:35966
Catalysis of α-hydrogen exchange. VII, 22:8069
Catalysis of α-hydrogen exchange. IX, 24:9282
Isobutyraldehyde and secondary amines. Addition and catalysis of deuterium exchange, 21:35967
MULDOON, James John Sequential initiation of synthesis of DNA units in Physarum polycephalum, 24:33567 (COO-78-226)
MULDREW, D. B. Delayed generation of an electromagnetic pulse in the topside ionosphere, 21:37299
Nonvertical propagation and delayed-echo generation, 23:44309
Novel spike observed on Alouette II ionograms, 25:17005
Properties of high-latitude ionospheric ducts, 23:44314
Stimulation of ionospheric-resonance echoes by the Alouette II satellite, 25:17004
MULERA, T. High mass boson production in π^+p interactions at 13.1 GeV/c, 24:37646 (COO-1428-222)
MULERA, T. A. Production of K^+K^- and p anti p pairs in four-body reactions at 13.1 GeV/c, 25:17380 (COO-1428-249)
Production of K^+K^- and panti p pairs in four-body reactions at 13.1 GeV/c, 25:40879 (COO-1428-273)
Production of K^+K^- and pantip pairs in four-body reactions at 13.1 GeV/c, 25:50073
Reactions $\pi^+p \rightarrow \pi^+pK^+K^-$ and $\pi^+p \rightarrow \pi^+$ppanti p at 13.1 GeV/c, 24:37647 (COO-1428-223)
MULFORD, Ann D. Immersion spectrophotometry of vapor-deposited interference films, 23:52506 (LA-4206)
MULFORD, R. N. R. Americium and Np borides, 23:11498
Thermodynamic properties of plutonium oxides, 21:8236 (LA-DC-8266)
Thermodynamics of the plutonium carbides, 21:34957 (LA-DC-8012)
Thermodynamics of the plutonium carbides, 22:31508
MULFORD, S. F. Desalting plant down time formula, 22:35578
MULHALL, B. E. Generation of high magnetic fields, 22:6523
Solid-state rectifier supply and high-field solenoids at RRE, 22:21249
MULHALL, Brian E. Generation of high magnetic fields, 21:37405
MULHALL, P. S. Multiplicity of secondary periodicities in pulsar CP 0834, 25:32963
Planetary modulation of solar activity, 22:29044
Secondary periodicities in four strong pulsars at 80 MHz, 24:51321
MULHALL, W. J. Two-particle Green functions and nuclear structure, 21:10108
MULHALL, Walter J. Application of the Green function method to the nuclei ^{90}Zr and ^{86}Kr, 21:13889
MULHERIN, Denis Coulomb scattering. I, 24:26536
MULHERIN, Denis Wren Mark Nonrelativistic time-dependent scattering theory for long range potentials, 25:14624
MULHERN, P. J. Angular correlation studies in ^{34}S, 25:20348
Excited states of ^{44}Ca, 25:5626
MULHOLLAND, G. T. Eight-inch bore 60 kilogauss superconducting magnet test facility, 21:32289 (BNL-11464)
Superconducting magnet for BNL 7-foot bubble chamber, 22:51249 (BNL-12897)
MULHOLLAND, J. Derral System of planetary masses as error sources in pulsar timings, 25:24767
MULHOLLAND, W. A. Solder leveling of printed wiring boards, 25:44234 (BDX-613-443)
MULIGAN, David D. Chelation and radiation protection, 25:4553
MULKAY, P. Self-diffusion of transition elements in 13X and 5A zeolites, 24:43975
MULKENS, R. Conference on applications of radiation techniques in food industry, Brussels, 2/67, 25:52286 (EURISOTOP-43)
MULLADZHANOV, E. Zh. Azimuthal correlations and fireballs, 24:42993
MULLALY, J. R. Current distribution to a plane shielded cathode in the abnormal glow discharge, 21:15183 (RFP-792)
Heat capacity of Europium from 5 to 300°K, 22:13569
MULLALY, James R. Crossed-field discharge device for high rate sputtering, 24:5773 (RFP-1310)
MULLALY, R. F. Heights of solar radio sources at 1424 and 696 MHz, 24:25918
High resolution solar observations at three frequencies, 24:1214
Solar event at two decimetre wavelengths, 22:28990
Solar radio bursts at 21-cm wavelength, 24:25919
MULLAN, Dermott Joseph Structure of hydromagnetic shocks in regions of very low ionization, 25:11639
MULLAN, Edward Superconducting magnets, 25:47493
MULLANEY, D. H. Princeton spherator, 24:24029 (LA-4250, pp A4.1-4)
MULLANEY, H. Mid-latitude evening increase in f_oF2 in the Summer Hemisphere, 22:47997
MULLANEY, Henry Geographic distribution of ionospheric evening anomaly and relation to neutral winds, 25:27515
Influence of the neutral winds in the formation and distribution of the ionospheric evening anomaly, 25:11777 (AD-708496)
MULLANEY, John F. Discussion of physical protection of special nuclear material in transit, 25:48893 (PB-189506, pp 114-19)
MULLANEY, P. D. Effects of paternal x-irradiation on litter size, 24:23364
Sex proportion in swine after paternal x-irradiation, 24:665
MULLANEY, P. F. Electronic particle counting and dispensing device for use in animal injection experiments, 25:55090
MULLANEY, Peter Daniel Effects of paternal x-irradiation of litter size and early post-natal mortality in swine, 23:10057
MULLAYANOV, R. Kh. Thermodynamics of La—Zn system, 24:14737
MULLEN, A. A. Transfer to milk of ingested radiolead, 25:46702
MULLEN, J. G. Moessbauer effect: a new method for measuring diffusion, 24:40199
Simple compact Moessbauer single-line source, 25:15933
MULLEN, J. H. High temperature plasma reactions, 25:7374
MULLEN, J. P. Latitudinal movements in the auroral ionosphere as shown by scintillation measurements, 23:5286
Scintillation boundary, 23:12688
MULLEN, James B. New automation technique for constant velocity Moessbauer spectrometers, 21:45394
MULLEN, James G. Cobaltous oxide. I, 22:14671 (COO-1616-7)
Direct observation of solid-state diffusion using Moessbauer effect, 22:50259
MULLEN, John Harry Measurement of plasma parameters using a radial waveguide, 22:5323
MULLEN, L. O. Fabrication of tunnel junctions on niobium films, 23:30490
MULLEN, L. R. Prog. rpt. on development of lightweight Mg alloys for low temperature, annual, 6/19/64—6/18/65, 21:34886 (N-66-27077)
MULLEN, Lyle R. Phase diagrams of Ir—U system, 22:19563
MULLEN, Omer W. Project Palanquin. On-site radiological safety report. Plowshare program, 24:39080 (PNE-911-F)
MULLEN, P. A. Transmission through aluminum of beta-particles emitted by infinitely-thick sources, 22:7342
MULLEN, R. T. Comparison of chemical flow reactor residence-time distributions with radiotracer techniques, 22:4082
MULLENAX, R. H. Normal and gamma-rayed resting plumule of barley, 21:41517
MULLENDER, M. L. Accelerator neutron sources for fast reactor physics experiments, 24:13212 (AWRE-O-50/69)
MULLENDORE, A. W. Creep—strain prediction for radioisotope heat-source capsules, 21:36838
Film deposition by exploding wires, 21:30986
MULLENDORE, J. Fully automated electrolytic tank system and its use in cyclotron injection studies, 22:15899
MULLENDORE, J. V. Precision measurements of nuclear reaction calibration energies, 21:2631
MULLENGER, L. Chemical study of radiosensitization of Micrococcus sodonensis by iodine compounds, 22:4713
Radiosensitization of Micrococcus sodonensis by N-ethyl maleimide, 23:38900
MULLER, A. Charge conjugation in eta $\rightarrow \pi^+\pi^-\gamma$, 21:17026
Study of the decay mode eta $\rightarrow \pi^+\pi^-\gamma$, 21:25225
X^0 production in π^-p interactions, 22:17876
MULLER, A. C. Application of chemical reactor design principles to problems of dosimetry in flow systems, 23:35517 (BNL-13766)
Influence of flow regime on the performance of a continuous tubular radiation chemical reactor, 22:30598
Radiation-sensitized quartz dosimeter, 22:30869
Source uniformity and transit dose in a ^{90}Sr—^{90}Y blood irradiator, 24:39116 (PRNC-135, pp 507-14)
Transit dose and source uniformity in a ^{90}Sr—^{90}Y blood irradiator, 24:4616 (BNL-14154)
MULLER, Albert C. Controlled defect coloration dosimeter, 23:33543
Controlled defect coloration dosimeter, 23:41077
MULLER, Armand Conservation of charge conjugation in eta meson decay, 23:30692 (CEA-R-3601)
MULLER, Arthur F. Prog. rpt. on eye effects safe separation charts, final, 5/31/65—5/31/66, 21:22404 (AD-641191)
MULLER, Burton H. Melting points of ethane and three of its deuterated modifications, 24:22653
MULLER, Edith A. Center-to-limb analysis of the solar oxygen lines, 22:17280
MULLER, F. CERN program, 25:53432 (UCRL-20655, pp 91-116)
MULLER, F. A. High magnetic fields very constant during 0.1 second, 22:21253
Pick-up coil system for measuring magnetization in high fields, 22:21254
MULLER, Francoise Energy dependence for ionization by electron impact between 250 and 2200 eV, 22:17407
MULLER, Franz Phase diagrams of the system uranium—oxygen—carbon, 24:51175 (ANL-Trans-856)
MULLER, G. M. Detonator circuit calculations: resistivity functions, 24:9195 (SC-CR-68-3644)
Exploding wire detonators, 24:9196 (SC-CR-69-3204(Draft))
MULLER, Harry D. Radiation effect on growth of the chicken x irradiated during embryonic development, 22:17046
MULLER, J. Annealing conditions and superconducting behavior of Nb-based A15-type compounds, 23:36626
Chromosome damage from ^{226}Ra and ^{90}Sr, 22:28441
Industrial realizations for production of U tetrafluoride, using French fluidized-bed process of reduction-hydrofluorination in type LC furnaces, 22:35791
Inhalation of radioactive nuclides in insoluble compounds, 24:41872
Low-temperature specific heat of transition metals and alloys, 21:4946
Prestressed concrete pressure vessel of the Vandellos nuclear power plant, 25:31454 (EUR-4531, pp 81-94)
Specific heat and superconductivity of Nb-based A15-type compounds, 24:1346
Specific heat, superconductivity, and crystalline order of V based alloys with A15 structure, 24:40016
Superconductivity and specific heat of alloys based on Ti_3Sb, 24:15255
Superconductivity, density-of-states models, and specific heat of V—Ga and V—Si, 25:47482
Systems B_2O_3—MO—MS boracites M—S (M = Mg, Mn, Fe, Cd) and sodalites M—S (M = Co, Zn), 25:11526
MULLER, J. C. Radiolytic behavior of ferrous and ferric ions in very dilute solutions, 25:10635
MULLER, J. Cl. Radiation polymerization of acenaphthylene, 21:24012
MULLER, J. H. Vesical complications after radiotherapy of female genital cancer, 21:32715
MULLER, J.-C. Behavior of coal during irradiation in Cl or O, 21:40904
MULLER, Jean Phenomenological aspects of superconductivity, 23:32266 (CERN-69-9)
MULLER, Jean-Claude Intrinsic structure of polymers obtained by radiochemical polymerization of solid acenaphthylene, 22:33469
Radiochemical polymerization of acenaphthylene, 22:27794
Radiochemical polymerization of the sulfide of cyclohexene in the liquid phase, 23:43346
Velocities of oxidation of mineral ions by OH radicals. II, 21:8386
MULLER, Jean-Paul Valence states of Pu in industrial solutions: determination of Pu(III) in presence of Pu(IV), 25:20908 (CEA-R-4135)
MULLER, K.-N. Total cross sections for kilovolt neutrons of even—odd nuclei in he region of the 3s strength-function resonances, 25:28279
MULLER, M. W. Lattice defects and fluorine motion in LaF_3, 22:17818
MULLER, N. Utilization of hemopoietic heterochimeras for the revelation of a leukemogenic virus, 23:47985
MULLER, O. Crystal structure of Lu_2TeO_6, 24:3026
Prog. rpt. on crystal chemistry studies, 8—11/66, 21:17552 (ECOM-01304-6)
Prog. rpt. on crystal chemistry, 5/14—8/13/66, 21:19585 (AD-640952)
MULLER, R. H. Periodic phenomena in copper dissolution at constant current, 25:10404 (UCRL-19618)
Transfer processes in ECM, 25:10403 (UCRL-19615)
MULLER, Richard A. Liquid-filled proportional counter, 25:46626
NAL particle detector using electron multiplication in liquid argon, 24:50624 (TID-25473(Vol.3), pp 79-102)
Particle detectors based on noble liquids, 25:32216 (UCRL-20135)
Production and decay of cascade hyperons, 23:25530
Study of reaction $K^-N \rightarrow \Xi$ K from threshold to 2.7 GeV/c, 24:10678 (UCRL-19372)
Study of the reaction $K^-N \rightarrow \Xi K$ from threshold to 2.7 GeV/c, 25:5384
MULLER, Robert A. Thermal-neutron flux perturbation by Dy—Al foils in water and uranyl fluoride—water solutions, 21:13790
MULLER, Rolf H. Carbon replica preparation for electron microscopy, 23:40524 (UCRL-18818)
Carbon replica preparation for electron microscopy, 25:6878 (UCRL-18818(Rev.))
Choice of coordinate system in elippsometry, 22:6235 (UCRL-17841)
Laser interferometer for mass transfer studies, 25:23490 (UCRL-19042)
Reflection of polarized light from absorbing media, 21:11696 (UCRL-11813)
Reflection of polarized light from film-covered surfaces, 21:35822 (UCRL-17128)
MULLER, Sigfrid A. Ultraviolet-induced acantholysis in familial benign chronic pemphigus: detection of the forme fruste, 22:36336
MULLER, T. Clearance of Thorotrast, a dextrin stabilized colloid, 24:23098
MULLER, Th. Electromagnetic de-excitation of 11.89- and 12.28-MeV levels of ^{22}Ne, 22:26948
Excited states of ^{22}Ne, 25:10002
Spins of levels of ^{34}Cl, 25:14942
Time-like form factor of the nucleon and its consequences on the experiments with colliding electron—positron beams, 21:29448
MULLER, W. Mechanism of extraction of transplutonium elements by trilaurylamine hydrochloride, 22:16685
MULLERBECK, A. G. Feasibility of prospecting for various genetic types of quartz veins using piezoelectric method, 24:11342 (BNL-tr-293)
MULLETT, G. W. Protection from ionizing radiations: a review of the regulations, 21:41425
MULLIE, J. Ariane II: automatic device for the analysis of spark chamber photographs, 25:13285 (CERN-70-21(Vol.2), pp 859-78)
Ariane: device for automatic film analysis, 23:47831
ARIANE, automatic device for the analysis of spark chamber pictures, 22:2423
MULLIGAN, B. Beta—gamma—gamma direction-correlation function for two-photon radiation emitted during allowed beta decay, 24:40710
Elastic scattering of deuterons from ^{14}N between 1.8 to 5.5 MeV, 21:44591
MULLIGAN, Dawn L. Adiabatic vacuum distillation to fractionate paraffin hydrocarbon mixtures (C_8—C_{14}), 24:36142 (ARH-1615)
MULLIGAN, T. J. Level structure of ^{169}Er, 25:5725

Reactions (h,p) on Cr. I, 25:31298
Strong L = 0(t,p) transitions in even isotopes of Ti, Cr, and Fe, 25:45976
MULLIGAN, W. Application of radiobiology to the study of helminth disease, 21:18147
Failure of x-irradiated Haemonchus larvae to immunize young lambs, 21:22659
Immunological studies on Nippostrongylus brasiliensis infection in the rat, 21:16485
Irradiated larval vaccines, 21:45809
Pathophysiology of Fasciola hepatica infections, 24:11921
Radiation-attenuation of helminth larvae, 21:16456
Relation between age and successful vaccination with irradiated Haemonchus larvae, 21:24563
Variables in the radiation-attenuation of helminth larvae, 24:12224
MULLIKIN, M. J. Evaluation of various equations for expressing first-stage creep behavior, 21:4944
MULLIKIN, T. W. Branching processes in neutron transport theory, 24:8826
Some probabilistic results in transport theory, 24:8804 (ORO-3858-1, pp 119b-36)
MULLIN, Charles J. Prog. rpt. on interaction of photons and particles with nuclei, annual, 11/68—10/69, 23:47039 (COO-427-93)
MULLIN, W. J. Critique of Saunders theory of solid ^{3}He at 0°K, 22:13396
MULLIN, William J. Theory of phase separation in solid ^{3}He—^{4}He mixtures, 22:15492
MULLINS, Fitzhugh Effect of high energy laser pulses on the primate liver, 21:11082
Laser destruction of chemically induced hepatomas, 22:4675
MULLINS, J. Search for fractionally charged particles in cosmic rays near sea level, 21:29449
MULLINS, J. H. Injection timing and rf control system of Cal Tech 1.5 GeV electron synchrotron, 21:29652 (CALT-68-109)
MULLINS, Joe H. Critically damped oscillatory linear induction engine for driving a bubble chamber valve, 21:24269
K^0 photoproduction cross sections compared to quark-model predictions, 21:35251
Photoproduction of charged pion pairs from H with gamma energies up to 1500 MeV, 21:25224
Upper limits on cross sections for $\gamma + n \rightarrow K^0 + \Lambda^0(\Sigma^0)$ below 1500 MeV, 21:33588
MULLINS, L. D. Averaged-l exchange term in Hartree—Fock equations, 22:34811
MULLINS, L. J. Distribution of Am between liquid Pu and fused salt, 21:5839 (LA-3562)
Distribution of americium between liquid plutonium and a fused salt. evidence for divalent americium, 22:12290
Electrometallurgy of plutonium, 23:14318 (LA-DC-9809)
Operating experience on an economical ^{238}Pu processing facility, 24:31658
Plutonium-238 for biomedical applications, 23:24258
Plutonium-238 for biomedical applications, 24:14506
Plutonium-238 materials as radioisotopic heat sources, 23:35428
Purification, encapsulation, and characterization of ^{238}Pu for implantation purposes, 25:4228
Refining of ^{238}Pu for biomedical applications, 22:30784
Thermodynamic properties of plutonium compounds by emf techniques, 22:31463
MULLINS, L. R. Jr. Determination of uranium alpha activity in urine, 21:2934 (GAT-520)
MULLINS, Lawrence J. Separation of Am from Pu, 23:9521
MULLINS, Lawrence J. Jr. Improving recovery of plutonium—gallium alloys, 23:10178
Method for producing ultrahigh-purity plutonium metal, 21:3480
MULLINS, Lorine E. Determination of radiosulfate in biologic fluids and tissues, 21:32098
MULLIS, K. Cosmological significance of time reversal, 22:31574
MULOKOZI, A. M. Lanthanide oxalates and some of their derivatives, 25:51469 (CONF-711001-(Vol.1), pp 330-42)
MULOKWA, W. Investigation of total electron content in equatorial anomaly of East Africa, 23:51470
MULOT, Pierre Handling of fuels for "Rapsodie" and effects of presence of sodium, 21:35757
MULSER, P. Dynamics of laser-irradiated solid H foil, 23:23161
Hydrogen plasma production by giant pulse lasers: theoretical study, 24:5176 (IPP-3/95)
Investigation of laser produced plasmas in the keV temperature range, 25:38448 (CONF-710607-46)
Laser produced plasma from solid hydrogen foils, 22:26436
Numerical calculations of the dynamics of laser-produced plasmas, 23:3516
Numerical computation of the production of a dense plasma by irradiation of a solid by a laser, 22:52821 (IPP-3/74)
Production of hydrogen plasma by giant pulse lasers, 24:10555 (UCRL-Trans-10424)
Survey of studies of laser produced plasmas at the IPP Garching, 25:43380 (IPP-4/9)
MULSER, Peter Hydrogen plasma production by giant pulse lasers, 24:28302
MULTHAUF, L. G. Levels of ^{244}Cm from the β^--decay sequence ^{244}Pu(11 days) /sup 246m/Am(25 min)^{244}Cm, 25:31378
MULTHAUF, Lloyd G. Bety decay of ^{47}Ca, 22:37319
MULTHAUF, Lloyd Gilbert Energy levels of ^{152}Sm and ^{152}Gd populated by decay of /sup 152m/Eu, 23:40088
MULVANEY, J. E. Ring-opening reactions of triphenylcyclopropyllithium compounds, 25:54571
MULVEY, J. H. Progress in nuclear physics. X, 23:31080
Progress in nuclear physics. XI, 24:47678
Reactions π^-p at 456, 505, and 552 MeV/c, 25:3282
MULVEY, John H. $I = J = 0$ $\pi\pi$ phase shift from single pion production at low energies, 24:30453 (CONF-690521-, pp 316-25)
MULVEY, P. F. Bremsstrahlung activation analysis of iodine and mercury, 22:25251
MULVEY, T. New type of ion source, 24:48989
MULVEY, Thomas Improvements relating to electronic bombardment apparatus, 21:26317
MULYAKAEV, L. M. Thermal stability of chromed molybdenum, 24:12418
MULYARCHUK, I. F. Isolation of rare-earth elements from apatite concentrate, 24:5733
MUMAW, Clayton Tedd Thermal stabilities and other properties of imperfections in irradiated alkali metal halides, 23:14875
MUMFORD, George S. Binary stars among cataclysmic variables. VIII, 21:3628
Binary stars among cataclysmic variables. IX, 22:7110
Binary stars among cataclysmic variables. X, 23:46160
Binary stars among cataclysmic variables. XI, 24:4880
Binary stars among cataclysmic variables. XII, 25:27320
Further photometry of EX Hydrae, 23:22736
New flare star in Pavo, 24:17440
Recent light variations of Nova GK Persei, 23:6780
T Aurigae, EX Hydrae, and U Geminorum: additional times of minima, 25:824
Three-color observations of Scorpius X-1, Nova Herculis 1963, Nova GK Persei 1901, and MHα 328-116, 21:6918
MUMINOV, A. I. External magnetic field (Fe + Gd) and magnetic moments of some excited states (^{155}Gd,^{154}Gd), 25:53801
Properties of excited states of ^{151}Sm, 25:10035
Properties of the excited states of ^{147}Sm and ^{149}Pm, 25:12557
MUMINOV, M. I. Electrical engineering properties of porcelain exposed to γ-radiation, 25:44751
Specific volume resistance of steatite ceramics in high-intensity γ fields, 25:9551
MUMINOV, M. M. Effect of repeated gamma radiation on yield [of cotton], 21:36753
Formation of (e^+e^-) pairs by electrons with 1.25 to 4 GeV energies, 22:50275 (JINR-P1-4023)
Inelastic π^-p interactions with small momentum transfer, 22:9514
Investigation of (e^+e^-) pair production by electrons with energy of 2.4 GeV, 21:18879 (JINR-P1-3143)
Investigation of reactions $\pi^- + p \rightarrow \pi^+ + \pi^- + m\pi^0 + n$ and $\pi^- + p \rightarrow 2\pi^+ + 2\pi^- + m\pi^0 + n$ at π^--meson momentum 4 GeV/c, 21:31535
Investigation of the $\pi^-p \rightarrow \pi^+ + \pi^- + m\,\pi^0 + n$ and $\pi^-p \rightarrow 2\,\pi^+ + 2\,\pi^- + m\,\pi^0 + n$ reactions at 4 Gev/c π^--meson momentum, 21:876 (JINR-P-2885)
Radioactivity of grain: leguminous plants, 24:6018
Radioactivity of vegetables, 22:43326
Reaction $\pi^- + p \rightarrow 2\pi^- + 2\pi^+ + n + m\,\pi^0$ at 4 GeV/c, 23:42580
Reaction $\pi^- + p \rightarrow \pi^- + \pi^+ + n + \pi^0 + \pi^0$ at 4 GeV/c π^--mesons, 22:17866 (JINR-P1-3677)
Study of (e^+e^-) pair production by 1.25 to 4 GeV electrons, 23:27738
Study of formation of (e^+e^-) pairs by 1.25-4 GeV electrons, 23:13017 (SLAC-Trans-88)
MUMINOV, T. M. Conclusions on structure of ^{155}Gd states drawn from results of the lifetime measurements, 25:38986 (JINR-P6-5526)
Fast coincidence β spectrometer with triangular-shaped magnetic field, 22:2392 (JINR-P13-3437)
Half-lives of 2^+ and 4^+ levels of main and rotational band in even-even nuclei of Os, Er, Dy, 24:52560 (JINR-P6-5201)
Investigation of ^{141}Pm levels by delayed coincidences and the angular γ—γ correlation method, 25:25713 (JINR-P6-5517)
Lifetime of 47.15- and 77.25-keV excited states in ^{165}Er nucleus, 25:25735
Lifetime of excited states in spherical nuclei ^{137}La, ^{135}La, and ^{133}La, 25:10029 (JINR-P6-5200)
Measurement of half decay times of first excited 2^+ states of ^{184} ^{186} ^{188}Os, 24:38284
Measurement of half-lives of excited states with energy of 155.8 and 227 keV in ^{155}Tb nucleus, 25:17863 (JINR-P6-5484)
Measurement of life times of ^{151}Gd excited states, 24:38234
MUMINOV, V. A. Coaxial electron accelerator for irradiation of cable insulators, 23:30889
Controlling the dose to a sample during irradiation with an electron accelerator, 23:15317
MUMINOVA, M. F. Preparation of radioactive carrier-free rhenium from proton-irradiated tungsten, 23:2360
Quantitative determination of two-component mixture of radionuclides, 23:26192
Rhenium determination by neutron-activation methods, 22:21038
MUMINOVA, S. N. Effect of gamma-radiation on properties of extracted cottonseed oil for preparation of K-5 drying oil, 25:41839
MUMM, Robert Franklin Comparison of genetic variances and estimated response to selection between the irradiated and non-irradiated groups in two inbred lines of maize, 22:47525
MUMMA, M. J. Excitation of CO fourth positive band system, 25:22368
Excitation of vuv emission features by electron impact on molecular gases. I, 25:58728
MUMME, I. A. Cyclic heat transfer and static pressure drop measurements on packed beds, 25:37532 (AAEC/TM-580)
Surface radioactivity in Broken Bay-Illawarra-Katoomba area, 21:1454 (AAEC/TM-317)
MUMME, W. G. Preparation and characterization of phases in the $Hf(SO_4)_2$—H_2O system, 24:27062
MUMMERY, P. W. Advanced reactor systems, 25:25852
Reactor physics trends and directions in the UK, 23:4421
Review of experience relevant to the operation of commercial fast reactors, 25:54133 (A/CONF.49/P-472)
United Kingdom program on advanced reactor concepts, 22:16213
MUMOLA, P. B. Anomalous plasma transport in rf discharges, 21:15198
Enhanced plasma transport in low-pressure high-frequency discharges, 21:44018 (CONF-670810-4)
Identification of the collisional drift instability by use of correlation techniques, 24:6550 (AD-694126)
Possibility of unstable collisional drift waves in lithium arc plasmas, 25:40678
Radio-frequency-generated plasmas in static magnetic fields, 22:52833
Unstable waves in a weakly ionized high-frequency magnetoplasma, 23:25415
MUMOLA, Peter B. Collisional drift-like instability of a weakly ionized magnetoplasma with no axial drift, 24:3383 (AD-692193)
MUMOLA, Peter Benedict Collisional drift instability of a currentless weakly ionized magnetoplasma, 24:21819
MUMOTO, Hajime Effects of x irradiation on enzymes in tumor cells of the MTK sarcoma III, 21:10821
MUMTAZ, Ali Effect of γ radiation on guavas (Psidium guajava L), 22:43503
Gamma radiation effect on the behavior of harvested tomatoes, 25:613
Inhibition of the germination in gamma irradiated onions, 25:8815
Preservation of mangoes by gamma radiation, 23:22450
MUMUYANU, D. Production of resonances in reactions $\pi^-p \rightarrow \pi^+\pi^-\Lambda^0K^0$ and $\pi^-p \rightarrow K^+\pi^-\Lambda^0\pi^0$ at 4.0 GeV/c, 24:3545
Quasi two-particle reactions in 4.0 GeV/c π^-p interactions with strange particles involved, 23:1593 (JINR-P1-4049)
Quasi-two-particle reactions with production of strange particles in π^-p interactions at 4.0 GeV/c, 23:27749
MUNAKATA, C. Detection of resistivity variation in a semiconductor pellet with an electron beam, 21:37621
Directional beam value of plasma electron source, 21:4163
MUNAKATA, Chusuke Charged-particle source, using a plasma, 22:9742
Measurement of resistance by means of electron beams. II, 21:9654
MUNAKATA, Koji Studies on transplantation of bone marrow and spleen cells, 22:12865
MUNAKATA, Megumu Coprecipitation and the spectrophotometric determination of uranium as dibenzoylmethane chelate, 23:26
MUNAKATA, Nobuo Genetic analysis of uv-sensitive spores, 23:41286
Inactivation of transforming DNA by ultraviolet irradiation, 23:26696
Mutant of B. subtillis producing uv-sensitive, 23:7990
Prog. rpt. on continued proliferation of mitogen-stimulated human peripheral blood lymphocytes, 1970—71, 25:34449 (COO-2040-4)
Repair of ultraviolet-induced damage in transforming DNA, 24:36704
MUNAKATA, Tadasuke Charged particle-ray device, 21:2574
Plasma charged-particle source, 21:20946
MUNAKATA, Yasuo Two-dimensional Bethe—Salpeter equation for massive meson exchange, 23:25689
MUNARI, S. Effect of solvents on the graft copolymerization by preirradiation technique, 22:51031
Electron spin resonance study of radiation-induced polymerization of N-vinylcarbazole, 22:27763
Energy transfer in radiolysis of ethylene and carbon monoxide, 23:17492
Gamma-ray induced copolymerization of ethylene and carbon monoxide, 21:23998
Grafting of styrene—divinylbenzene mixtures onto PTFE films, 24:4339
Importance of grafting reactions in γ-ray polymerization of ethylene and ethylene—carbon monoxide mixtures, 22:27820
Preparation of permselective membranes by radioinduced grafting. I, 21:40923
Radiation induced polymerization of N-vinyl pyrrolidone in the solid state, 21:24005
Radioinduced polymerization of gaseous ethylene. I, 23:9456
MUNARI, Stelio Gamma radiolysis of branched chain hydrocarbons: 2,2-dimethylbutane, 25:29142
Gas-chromatographic analysis of small amounts of radiolysis products, 23:49860
Molecular weights of grafted polystyrene onto γ-preirradiated cellulose diacetate, 24:20814
Radioinduced grafting of acrylic acid onto polyethylene terephthalate, 25:31956
Synthesis of ion-exchange membranes by means of a radiochemical method. II, 22:8147
MUNARIN, J. Relative molar volume and limiting solubility of ^{3}He in superfluid ^{4}He, 24:8403
MUNARIN, Joseph Anthony New size-dependent oscillatory magnetoresistance effect in gallium at low temperatures, 21:33359
MUNAS, A. F. Improved ringing coil pulse encoders, 25:18868
MUNAUT, A. V. Carbon-14 trends in subfossil pine stubs, 24:2315
MUNCASTER, G. W. Optical polarization of Crab Nebula pulsar, 25:2843
MUNCASTER, George W. Rotational velocities in the Orion Nebula cluster, 25:8981
MUNCH, G. Infrared coronal lines. II, 21:46066
MUNCH, Neil E. Cost-performance tradeoffs of advanced materials and construction for large launch vehicle structures, 25:47116 (NMAB-272, pp 467-511)

- MUNCHOW, L. Projection description of rotational and quasirotational bands in even—even nuclei, 25:31438
- MUNCK, O. Clearance of 4-iodoantipyrine-^{131}I after subcutaneous injection in various regions, 22:15060
  - Decomposition of iodine-labeled antipyrine, 22:14532
  - Fat content of leg muscles and its influence on ^{133}Xe clearance method of blood-flow measurement, 22:8571
  - Plasma renin measured by radioimmunoassay for angiotensin, 25:18920
- MUNCZEK, H. B meson and its current, 24:45499
- MUNCZEK, Herman Chiral SU(3) x SU(3) mass spectra and generalized "ωrhoπ" interaction, 24:37772
  - Chiral symmetry and the PVV interaction, 23:46784
  - Electromagnetic mass shifts in the pseudoscalar octet, 23:32663
  - Meson decays and the pion mass difference, 22:20217
  - New formalism for the quantization of a spin-$^{3}/_{2}$ field, 22:11718
  - Radiative meson decays in broken SU(3), 22:46446
  - Theory of π—A$_1$ mixing and pion mass difference, 22:39384
- MUNDAY, C. Synthesis of acyclic isoprenoids by the γ-irradiation of isoprene, 23:43368
- MUNDAY, C. S. Electron-attachment processes in irradiated organic liquids, 22:2156
- MUNDAY, R. N. Radioisotope placentography, 21:12895
- MUNDELL, J. B. Electronic function generator for charged particle identifier techniques, 24:4436
  - Electronic system for hodoscope of Si surface barrier detectors, 24:33878
- MUNDHENKE, R. Reaction (γ,α) in Ge and Nb, 22:50592
  - Reaction (γ,p) in light and medium weight nuclei, 23:39956
  - Reaction ^{4}He(γp)T, 23:1781
- MUNDINGER, F. Biochemical study of tumor accumulation of radioisotopes used in brain tumor diagnosis, 21:6602
  - Determination of regional blood flow with ^{133}Xe in the brain of Parkinson and tumor patients, 25:11147
  - Diagnostic significance of ventricular resorption of ^{131}I-labeled hippuran, 25:11152
  - Experience in infiltrating brain tumors treated stereotactically by interstitial Brachytherapy with ^{192}Ir GammaMed, 23:24684
  - Interstitial Curie-therapy after radiosensibilizing using bromdesoxyuridine/bromdesoxycytidine and antimetabolites on rats, 24:51008
  - Interstitial irradiation of brain and pituitary tumors with radionuclides, 23:41399
  - Interstitial protracted long-term irradiation of hypophyseal adenomas, 24:32119
  - Radiation instrument for localized brachytherapy of brain, 23:19894
  - Radiobismuth for gamma encephalography of brain tumors, 21:18083
  - Results of local irradiation by stereotaxic implantation of ^{192}Ir, 24:41941
  - Treatment of brain tumors with interstitially applied radioactive isotopes, 25:569
  - Unit for interstitial therapy using radioisotopes, 21:6600
- MUNDO, A. Relations between lysozyme and the level of adrenal cholesterol in whole-body irradiated rats, 21:16392
- MUNDRA, J. P. Cosmic ray interactions in paraffin and lead, 24:8364
- MUNDRY, E. Relations between radiographic image quality and film density, 23:33358
  - Theory of partially permeable interfaces in ultrasonic testing. I, 22:274 (NP-tr-1582)
- MUNDRY, Eberhard Behavior of partially permeable interfaces during non-destructive material testing by ultrasonics. II, 23:38210 (ORNL-tr-2140)
- MUNDSCHENK, H. Calibration of 7.5 x 7.5 cm—NaI(Tl) solid crystals for absolute counting of surface-type preparations, 21:3255
  - Determination of energy and intensity of complex photopeaks, 21:32130
  - Hemodynamic function studies with radioactive tracers, 24:41729
  - Hemodynamic function studies, 25:11184
  - Mechanism of β recoil, 25:54694
  - Method for determining the intensity of complex photopeaks, 21:4198
  - Separation of short-lived radionuclides by use of the recoil effect, 24:48155
- MUNDT, F. D. Eddy current measurements with a coil encircling a two-conductor rod, 25:28911 (Y-1787)
  - Quantitative interpretation of radiation opacity changes by radiography, 25:51734 (Y-DL-140)
- MUNDY, J. L. Quiescent beam—plasma system, 24:28249
- MUNDY, J. N. Diffusion and solubility of Au in Na, 23:41643
  - Diffusion of alkali metal impurities in sodium and potassium, 22:17121
  - Isotope effect in sodium self-diffusion, 21:23865
  - Isotope inter-diffusion and self-diffusion in solid Li, 24:26330
- MUNDY, John N. Effect of pressure on the isotope effect in sodium self-diffusion, 25:24577
- MUNDY, Joseph Leagrand Active interactions and resistivity tensor in superconducting In, 25:7341
- MUNDY, M. J. Immunology of interferons. I, 24:36718
- MUNECHIKA, Hirotsugu Radiosensitivity and DNA metabolism inhibition, 25:13604
- MUNECHIKA, Hirotugu Radiosensitivity of the radiation induced aminopterin resistant yeast cells, 25:57927
- MUNEMORI, Makoto Determination of Sr by atomic absorption spectrophotometry, 25:15497
- MUNERA, H. A. Application of Compton-scattering techniques to activation analysis: a short evaluation, 25:2140
  - Calculations and nomograms for production of radioisotopes in reactors, 24:31591 (IAN-ARI-2)
- MUNEY, W. S. Glancing-incidence solar telescope for the soft x-ray region, 21:46087
- MUNGER, Hamnett P. Heavy section HP 9Ni—4Co alloys, 24:29967
- MUNGER, R. H. Feedback control of fluctations in a toroidal stellarator, 24:40101 (UCRL-72473)
  - Plasma production and heating in the superconducting Levitron, 25:38446 (CONF-710607-9)
  - Toroidal confinement program, 23:3447 (UCRL-50002-68, pp 164-73)
- MUNGER, Richard H. Electric-field effects in Q-machines, 21:18762 (UCRL-70115)
  - Livermore toroidal confinement program, 21:46308 (UCRL-50002-67, pp 105-26)
  - Livermore toroidal-confinement program, 21:11595 (UCRL-50002-66-1, pp 91-109)
  - Plasma confinement in hybrid multipole-stellarator fields, 24:8429 (UCRL-71721)
- MUNGURWADI, B. D. Indium-115 NMR spectrum in intermetallic compound InBi, 23:44558
  - Nuclear magnetic resonance in an InBi intermetallic compound, 21:23269
- MUNIAK, S. E. Behavior of fallout ^{137}Cs in aquatic and terrestrial environments, 24:27557 (ANL-7615, pp 229-31)
  - Radioactive ^{54}Mn and ^{65}Zn in euryhaline fish, 22:8491
  - Recent trends in radioactive fallout, 25:48617 (ANL-7760(Pt.3), pp 245-8)
- MUNICIO, A. M. Effect of gamma-radiation on common-fly brain cholinesterase, 22:33743
- MUNIM, A. V. Effects of irradiation on the tensile properties of Zircaloy 2 and 4 and borated stainless steel, 25:42911
  - Examination of stainless-steel-clad ThO$_2$—UO$_2$ fuel rods and Zircaloy-2 can after operation for 442 EFPD in the Indian Point Reactor. Final report, Volume 1 of 3 volumes, 24:36994 (BAW-3809-6)
- MUNIR, B. A. Elastic scattering (p—p) at 2 GeV, 21:37677
  - Evidence for a K$\pi\pi$ enhancement in π p interactions at 7 GeV/c, 24:49344
- MUNIR, M. Mutagenic effect of irradiated media on E. coli, 25:42755
- MUNIR, Z. A. Corrosion rates of stainless steel in flowing liquid Na, 24:19387
- MUNIZ, R. P. A. Electron paramagnetic resonance of electron-irradiated K$_3$Rh(CN)$_6$ in a KCl lattice, 25:18462
- MUNK, J. Localization of placenta using /sup 99m/Tc, 23:43813
  - Photoscanning of placenta with /sup 99m/Tc albumin, 24:2744
  - Radiation induced intracranial meningiomas, 23:35928
- MUNK, M. N. Spallation and fissiogenic Xe and Kr from stepwise heating of the Pasamonte achondrite, 21:28875
- MUNK, Miner N. Argon, krypton, and xenon in Angra dos Reis, Nuevo Laredo, and Norton County achondrites, 22:19725
  - Neon, argon, krypton, and xenon compositions of Misteca and Carbo iron meteorites, 22:8976
  - Spallation of Ne, Ar, Kr, and Xe in Fe meteorite, 21:41739
- MUNK, Miner Nelson Cosmogenic, radiogenic, and fissiogenic rare gases in iron meteorites and achondrites, 22:49974
- MUNK, W. Effect of industrial fuel combustion on ^{14}C level of atmospheric CO$_2$, 22:6493
- MUNKBY, L. Superconductivity for ternary fcc Bi—Pb—Tl alloys, 25:11846
- MUNKEL, J. MHD generator using noble gas—alkali-metal plasma as working medium, 25:22397
- MUNKELWITZ, H. R. Apparatus for measuring the diffusion of impurities in solids, 23:9786 (BNL-13092)
  - Diffusion of iodine in uranium monocarbide, 22:22989 (BNL-12212)
  - Diffusion of iodine in uranium monocarbides, 22:30513
  - The chemical states of fission-product iodine emanating into a high temperature aqueous environment, 22:12284
- MUNKNER, T. Nuclear medicine: a Scandinavian textbook, 22:45635
- MUNKNER, Troels Studies on labeling of red blood cells with ^{51}Cr, 23:43650 (TT-67-56003/6, pp 835-41)
- MUNKRES, Kenneth D. Evolution of enzyme locational specificity: models in microbial genetics, 21:24293 (LA-DC-8682)
- MUNN, R. E. Lower atmospheric temperature profiles at WNRE, 24:2316 (AECL-3289)
  - Tracers in mass transfer in the atmospheric boundary layer, 21:43065
- MUNN, R. J. Phenomena peculiar to nuclear molecular potentials in ^{16}O + ^{16}O scattering, 22:37305
  - Transport coefficients of ionized gases, 21:42086
- MUNN, R. W. Evidence for an isotope effect on electron drift mobilities in anthracene crystals, 24:38889
  - Grueneisen functions for some Type-I superconductors, 23:18562
  - Phonon enhancement in electronic thermal expansion, 23:36624
  - Transport of quasilocalized excitons in molecular crystals, 24:25043
- MUNN, Susan Serum chemistry values in beagles treated with ^{90}Sr and ^{226}Ra, 23:12003 (UCD-472-115, pp 25-30)
- MUNN, Susan L. Strontium-90 concentration in semen and plasma of Beagles, 25:6780 (UCD-472-117, pp 49-50)
- MUNNERY, P. Production of tungsten alloy penetration radiation shields, 22:6953
- MUNNINGS, Ron H. MOSFET gate, 24:36666
- MUNNIS, J. A. Feed pump turbines for nuclear plants, 23:28400
- MUNNO, F. J. Reactor fuel management optimization in a dynamic environment, 25:44130
  - Space dependence of the reactor kinetic parameter as measured by the Garelis—Russell method, 24:50224
  - Thermal neutron diffusion at the ice-water phase transition, 25:20248
- MUNNO, Frank J. Effects of radiation on corn starch sols, 22:42762
- MUNNOCH, W. C. T. Radiometric method of continuously measuring the ^{14}C concentration in CO/CO$_2$ mixtures, 23:9776 (AERE-R-5324)
- MUNOZ, E. R. Radiation-induced non-disjunction and loss of chromosomes in Drosophila melanogaster females. I, 21:20133
- MUNOZ, Enzo Ruben Mutation tests on Drosophila using irradiated carbohydrate solutions, 22:51393
- MUNOZ, I. Meteorologic station of JEN. I, 24:50468
- MUNOZ, J. I. Meteorological station at JEN for the study of atmospheric diffusion. II, 24:27246
- MUNOZ, J. S. Surface currents in type II superconductors, 21:16879
  - Thermally induced voltages in the mixed state of type-II superconductors, 21:20887
  - Transport properties of dirty type-II superconductors in high magnetic fields, 23:42198
- MUNOZ ACEVEDO, Evaristo Criteria for development and interpretation of a test in nuclear medicine, 25:15999 (NP-18392)
- MUNOZ CANDELARIO, R. Data correlation between the reduction of free acid content and (U$_3$O$_8$) leached from carnotite type ore, 25:51604
- MUNOZ P., E. Relationship between ESR spectra and dose in electron-irradiated borosilicate glasses, 21:31110
- MUNOZ RIBADENEIRA, F. J. Data correlation between the reduction of free acid content and (U$_3$O$_8$) leached from carnotite type ore, 25:51604
  - Possibilities of recovering copper from chalcopyrite by nuclear underground leaching in situ, 25:4176
- MUNOZ-RIBADENEIRA, Fausto J. Leaching of chalcopyrite (CuFeS$_2$) with sodium chloride sulfuric acid solutions, 25:37493
- MUNRO, D. Radiotracer dispersion studies in the vicinity of a sea outfall, 22:36003
- MUNRO, D. L. Uranium ore deposit at Mary Kathleen, 23:40892
  - Uranium ore deposit at Mary Kathleen, 24:31517
- MUNRO, Dowling D. Hair growth measurement using intradermal ^{35}S cystine, 21:14567
- MUNRO, G. H. Seasonal changes in the ionosphere, 25:2966
- MUNRO, George H. Seasonal variations in occurrence of scintillation, 21:2107
- MUNRO, Judith DNA metabolism in Escherichia coli infected by mutants of bacteriophage T4, 25:23498 (UR-49-1419)
- MUNRO, R. E. B. Frequency dependence of 4C source positions, 24:51328
  - Improved right ascensions for 0.9 steradians of 4C catalogue, 24:23649
  - Note on some 4C right ascensions, 23:34171
  - Observations at 408 MHz of radio sources. I, 25:35682
  - Observations at 408 MHz of radio sources from 4C catalogue, 25:55723
- MUNRO, Richard H. Electron densities derived from line intensity ratios: beryllium isoelectronic sequence, 25:58599
- MUNRO, T. R. Absence of permanent recovery in certain Chinese hamster fibroblasts, 25:46949
  - Effects of anoxia on x-radiosensitivity of tumors, 22:12886
  - Relative radiosensitivity of the nucleus and cytoplasm of Chinese hamster fibroblasts, 24:32156
  - Site of the target region for radiation-induced mitotic delay in cultured mammalian cells, 25:26927
- MUNRO, William Improvements in or relating to ceramic materials, 21:1934
- MUNROE, Ian Light from electrons, 25:33918
- MUNROE, Robert J. Temperature data from exploratory boreholes at supplemental test site, Central Nevada, 23:38094 (USGS-474-3)
- MUNSCHECK, Heinz Radiation injuries to mouse embryos in early pregnancy, 21:45811
- MUNSEE, J. H. Neutral weak interaction via anti τ/sub e/ dissociation of deuterons, 23:18793
  - Neutrino experiments at reactors, 23:46598 (UCI-10-P-19-9)
- MUNSEE, Jack Howard Search for the disintegration of deuterons by electron antineutrinos, 22:46318 (UCI-10-P-19-4)
- MUNSHI, Kailash N. Absorptiometric study of chelates formed between lanthanoids and Xylenol Orange, 23:163
  - Spectrophotometric determination of trivalent Ru and Rh, 23:34983
- MUNSHTUKOV, D. A. Approximate calculation of a conductive MHD-generator with use of the concept of entropy, 22:2883 (AD-655362, pp 1-13)
- MUNSON, A. W. Comparative analysis of variance of the Kjeldahl nitrogen and a neutron activation nitrogen technique, 24:48062
- MUNSON, Benjamin Shielding the thymus area during x-irradiation: effects on hemolysin formation in mice, 25:24407
- MUNSON, D. E. Application of dislocation dynamics to impact induced deformation under uniaxial strain, 21:27857 (SC-DC-67-1402)
  - Dynamic behavior of beryllium, 21:28756 (SC-RR-67-368)
  - Dynamic mechanical behavior of polycrystalline Al$_2$O$_3$, 24:18840 (SC-RR-69-803)
- MUNSON, R. E. Primary productivity studies using merchant vessels in the North Pacific Ocean, 25:18304 (RLO-1725-187)
- MUNSON, R. J. Genetic radiation damage and its repair in E. coli, 22:40622
  - Induction and repair of ultraviolet damage leading to mutations in E. coli B/r WP2, 22:23457
  - Interaction between uv light and γ-radiation damage in the induction of mutants of E. coli, 21:39536
  - Interaction between uv light and γ-radiation damage in induction of mutants of E. coli, 21:39535

  - Lethal and mutagenic lesions induced by ionizing radiations in E. coli, 23:48016
  - Mutagenesis in E. coli, 23:6411
  - Mutagenesis in E. coli. II, 23:22262
  - Mutagenesis in Escherichia coli. V, 24:50818
  - Nature of the lethal and mutagenic action of ultraviolet light on frozen bacteria, 22:483
  - Non-photoreactivating repair of mutational lesions induced by uv and ionizing radiations in E. coli, 21:20130
  - Persistence through several replication cycles of mutation-producing pyrimidine dimers in a strain of E. coli deficient in excision-repair, 22:33792
  - Radiosensitization of E. coli by N-ethylmaleimide, 22:21569
  - Sensitivity of E. coli to ionizing particles of different LETs, 22:36218
  - Susceptibility of mild thermal and ionizing radiation damage to same recovery mechanisms in E. coli, 23:26964
  - Uv mutagenesis, 25:37767
- MUNSON, Robert D. Dynamic and static response of government oil shale mine at Rifle, Colo., to RULISON event, 24:29415 (USBM-1001)
- MUNSON, Ronald A. Electrical, magnetic, and superconducting properties of Cu disulfide, 21:41983
  - High-temperature behavior of beryl and beryl melts at high pressure, 22:8053
- MUNT, R. Propagation of ionization waves, 24:28344
- MUNTAZ, Ali Effect of gamma radiation on properties of basmati rice, 24:29905
- MUNTEANU, G. Determination of C nucleus radius by interaction with π^- at 7 GeV, 25:36408
  - Radiation measurements in Brasov during period 8/61—8/68, 25:42424
- MUNTENBRUCH, H. Diaphragm shock tube for plasma experiments, 24:5182 (IPP-3/99)
  - Electromagnetically produced nonstationary shock waves, 22:3016 (IPP-3/58)
  - Fast-acting electromagnetic gas-inlet valves, 22:2266 (IPP-1/68)
  - Interaction of shock waves with stationary magnetic fields, 21:11621 (IPP-3/45)
  - Optical studies of plasma-flow interactions with large magnetic fields, 24:40072
  - Relaxation effects behind shock fronts generated through plasma-flow interaction, 24:42671
- MUNTENBRUCH, Helmut Current status of research on electromagnetically produced unsteady shock waves, 23:30541
- MUNTONI, C. Thick absorbers broadening of Moessbauer peaks, 24:36601
- MUNTUS, R. Ionic radii for use in geochemistry, 25:4085
- MUNTYAN, V. I. Linear electron accelerator for industrial use, 23:21191
- MUNTZ, James H. General alloy analysis with a gas sheathed tubular electrode arc, 25:12945
  - Plasma-arc studies for alloy analysis, 21:42881
  - Spectrochemical determination of some non-rare earth impurities in yttrium oxide, 23:24089
- MUNZENMAYER, K. Delay matching of beta—gamma coincident pulses, 23:26534
- MUNZER, H. Construction of a new neutron generator at Institut fur Radiumforschung und Kernphysik, 21:42544
- MUR, V. D. Amplitudes with logarithmically increasing interaction radius, 25:33582
  - Basic problems in strong interactions at very high energies, 21:2450
  - Properties of amplitudes not satisfying the Pomeranchuk theorem conditions, 24:35723
  - Properties of amplitudes not satisfying conditions of Pomeranchuk theorem, 25:25347
- MURA, T. Buckling of thin plates by continuously distributed dislocations, 24:18821 (COO-2034-3)
  - Dislocation stresses in a thin film due to the periodic distributions of dislocations, 25:34448 (COO-2034-6)
  - Elastic fields of inclusions in anisotropic media, 25:34446 (COO-2034-4)
  - Green's functions for anisotropic elasticity, 25:34447 (COO-2034-5)
  - Viscous creep ratchetting of nuclear reactor fuel elements, 23:24045
- MURABAYASHI, M. High temperature heat capacity of uranium monosulfide by the laser flash method, 25:52445
  - Uranium mononitride: heat capacity and thermal conductivity from 298 to 1000°K, 25:24635
- MURABAYASHI, Masayuki Effect of porosity on the thermal conductivity of ThO_2, 24:6263
  - Measurement of heat capacity at high temperatures, 24:36978
  - Thermal conductivity of ceramic solid solutions, 25:8932
  - Thermal conductivity of ThO_2—UO_2 system, 23:22661
- MURACHI, Koichi Protection by concrete against A-bomb radiation sickness in Hiroshima city, 21:39160 (AEC-tr-6858, pp 1-10)
- MURAD, E. Production of N_2^+ in collisions between N^+ and N_2, 25:14030
- MURAD, Edmond Collisions between low-energy N^+ and N_2, 25:58735
- MURAD, Tariq M. Ultrastructure of mycosis fungoides, 24:48714
- MURADOV, A. Approximate picture of the distribution of plasma drift in the F2 region, 25:43225
  - Models of electron density distribution in F2 region. I, 25:55984
  - Planetary distribution of drifts in the F_2 region of the ionosphere, 23:3346
  - Temperature dependence of the photoionization rate in the upper atmosphere, 24:21657
  - Vertical transport velocity of charged particles in topside ionosphere, 23:32250
- MURADOV, R. Kh. Elastic scattering of high-energy π^- mesons on electrons, 22:9547
  - Polarization of γ quantum bremsstrahlung during inelastic $\pi^{+-}(K^{+-})$—e scattering, 22:7470
- MURADOV, S. Role of mobile holes, anion vacancies, and excitons radioinduced coloration of KCl crystals, 25:9553
- MURADOV, S. M. B-center radiation formation mechanism, 24:30391
  - Hole processes and radiation coloring of KCl, 24:19941
  - Mechanism for creating F centers in KCl:H crystals, 24:8533
  - Radiative creation of color centers in KCl and KCl:Ag crystals, 23:30627
- MURADOVA, G. A. Breakdown of the uranyl group in strongly acid solutions, 22:48866
  - Formation of polymer compounds by uranyl nitrate in tributyl phosphate extracts, 23:43314
- MURADOVA, M. Kh. B-center radiation formation mechanism, 24:30391
  - Mechanism for creating F centers in KCl:H crystals, 24:8533
- MURADOVA, N. A. Spark calorimeter study of muons at 200 mwe, 22:13265
- MURADYAN, G. V. Method of direct measurements of the capture cross section ratio to the fission cross section, 25:34072 (IAE-1985)
  - Neutron spectrometer for indentification of nuclear levels according to incoming neutron orbital momentum, 21:16183
  - Neutron spectroscopic investigation of separated cadmium isotopes, 21:21523 (BNL-tr-126)
  - Neutron-spectroscopic investigation of separated silver isotopes, 21:4318
  - Neutron-spectroscopy study of nuclei with $A < 220$ in resonance energy region, 25:15095
  - Parameters of neutron resonances of separated Sb isotopes, 23:13273
  - Resolution of neutron spectrometers, 23:31545
  - Resonance level parameters for cadmium isotopes, 21:7816
  - Study of ^{117}Sn neutron cross sections, 23:47024
- MURADYAN, H. V. Method of direct measurement of the capture-to-fission cross-section, 25:15076
- MURADYAN, M. M. Electromagnetic fields of the charged particle passing through a many-layer plate, 23:10787
  - Energy losses of a particle passing through a three-layer plate, 22:24769
  - Energy losses of relativistic particle passing through plate, 24:5223
  - Loss of the particle energy passing through two-layer plate, 21:23319
- MURADYAN, R. M. Algebra of lepton currents, 22:9564
  - Automodelity hypothesis and asymptotic behavior of strong, electromagnetic, and weak interactions at high energies, 25:50116 (JINR-E2-5962)
  - Deep inelastic lepton—hadron scattering and pair production in strong interactions, 24:10726 (JINR-E2-4791)
  - Field algebra and SU(2) x SU(3) x T_{24} symmetry group, 22:41829 (JINR-P2-3858)
  - Higher orbital states in the framework of symmetry theory, 22:1466 (ITF-67-10)
  - Kinematics and Regge dynamics of quasi-two-body N—N interactions, 23:21123 (JINR-E2-4286)
  - Lectures on relativistic kinematics, 22:41755 (JINR-P2-3902)
  - Low-energy theorems for photon and graviton scattering on a target of arbitrary spin, 25:53070
  - Mass spectrum of di-muon produced in strong interactions, 24:10735 (JINR-P2-4824)
  - Muon pair production in strong interactions and the asymptotic sum rules, 23:36901 (JINR-P2-4543)
  - Muon pair production in strong interactions and the asymptotic sum rules, 23:49173 (SLAC-Trans-98)
  - Photon—photon scattering with colliding $e^{+-}e^-$ beams. I, 24:52000 (JINR-E2-5347)
  - Relativistic model of meson resonances with a linear spectrum, 22:41804 (JINR-P2-3859)
  - Relativistically covariant equations for two particles in quantum field theory, 21:44432 (JINR-E2-3498)
  - Relativistically covariant wave equations for N particles in quantum field theory, 22:41845 (JINR-P2-3900)
  - Resonant scattering of light by light, 25:14596 (JINR-E2-5424)
  - Symmetry group ISL(6) as a covariant generalization of SU(6) group, 22:13784
- MURAI, Masafumi Cross-fertility of pine pollen exposed to acute γ irradiation, 23:41499
  - Radiosensitivity of forest trees. V, 22:25999
  - Studies on radiosensitivity of forest trees. II, 21:22796
  - Varietal difference in somatic mutability of sugi, Cryptomeria japonica D. Don, 25:52029
- MURAI, Moriyasu High-energy nucleon—nucleon collisions, 24:18232
- MURAI, N. Regge trajectories in the Wick—Cutkosky model, 24:37876
  - Regge trajectories in Wick—Cutkosky model, 23:49218
- MURAI, Nobuyuki Convergence problem of generalized partial wave expansion, 23:39846
  - Crossed channel O-type Regge poles, 23:1711
  - Effect of hidden channels on low-lying channels, 22:32219
  - Interpretation of eta $\rightarrow$ 3π and K $\rightarrow$ 2π by meso-strong interactions, 21:35282
  - PiN phase shift in the ^{11}P state, 22:17959
- MURAI, Shigeki γ-ray thickness gauge for hot plate, 24:14335
- MURAI, Tadayuki Effect of electron capture on the temperature in dense stars, 25:8973
  - Evolution of carbon stars. I, 22:31537
  - Evolution of iron stars, 24:42372
- MURAI, Takeo Integral dose measurement in routine intra-oral radiographic procedures, 21:12869
  - Integral dose, 22:25836
  - New method of integral dose measurement with a plastic scintillator phantom, 21:22418
  - On the integral dose, 21:43380
  - Protection by concrete against A-bomb radiation sickness in Hiroshima city, 21:39160 (AEC-tr-6858, pp 1-10)
- MURAI, Y. Semi-hot wall duct for MHD generator, 25:24941
- MURAI, Yasuhisa Friedmann region in vacuo, 21:35244
- MURAI, Yutaka Experimental study of MHD generator ducts for long operation, 23:30385
- MURAKAMI, A. Mutagenicity of 14 MeV fast neutrons on five x-ray sensitive silkworm strains, 24:44461
  - Possible interpretation of distinct violation of the isospin invariance observed in the $^3H(\alpha,t)^3He$ reaction at E/sub c.m./ = 27.4 MeV, 25:50629
  - Reactions $^6Li(\gamma,t)^3He$ and $^6Li(\gamma,pd)^3H$, 22:35242
- MURAKAMI, Akio Analysis of strain differences in radiosensitivity of the silkworm, 25:52027
  - Co-mutagenesis: effect of post-irradiation treatment with base analogues in the silkworm, 24:666
  - Comparison of fission neutrons and γ rays in inducing mutations in silkworm gonia, 21:43359
  - Comparison of stage sensitivity to x rays during meiosis in egg of silkworm, Bombyx mori, 25:42609
  - Effect of 5-bromodeoxyuridine on frequency of 14-MeV fast-neutron-induced mutations in gonial cells of silkworm, 23:43732
  - Radiation-induced recessive visible mutations of oocytes during meiosis in the silkworm, 25:24088
  - Radiosensitivity among different silkworm strains, 24:2634
  - Radiosensitivity in silkworm embryos, 23:45881
  - Relation between sensitivity to killing and mutation observed during a mitotic cycle of silkworm cleavage nuclei, 23:43734
  - Strain sensitivity of silkworm eggs to killing and mutation by ultraviolet light, 25:6766
  - Studies on strain differences in radiosensitivity in the silkworm. II, 23:43735
  - Studies on strain differences in radiosensitivity in the silkworm. I, 23:43853
- MURAKAMI, Akira Reactions $^6Li(\gamma,t)^3He$ and $^6Li(\gamma,pd)^3H$, 24:24504
- MURAKAMI, Eisuke Effect of x-ray or gamma-ray irradiation on rat tibia, 25:58102
- MURAKAMI, Eugene X-ray air density sensor (X-15), 22:38135
- MURAKAMI, Hiroshi Radioinduced mandibular necrosis cases, 21:22569
- MURAKAMI, Hiroyuki Electronics system for a balloon borne experiment identifying nuclear charge of primary cosmic ray, 22:16875
- MURAKAMI, K. Extensive air showers at 5200 meters, 22:41392
- MURAKAMI, Kazuaki Apparatus for continuous observation of cosmic ray intensity at a shallow underground station, 25:42152
- MURAKAMI, Kenkichi Graft-polymerization onto fluorine resins with radiation, 24:16602
- MURAKAMI, Kiyonobu Reference design of PuO_2—UO_2 assembly for JPDR-II core, 25:50889 (JAERI-Memo-4327)
- MURAKAMI, Koichi Comparison of the biological effectiveness between conventional x-rays and high energy radiations, 23:20363
- MURAKAMI, Kouichi Optical absorption bands of the radical in irradiated anthracene single crystals, 25:48522
- MURAKAMI, M. Anomalous resistivity in Tokamak TM-3, 24:28275 (ORNL-TM-2988)
  - Elastic and inelastic scattering of protons by ^{14}N, 22:26904
  - Feasibility study of a Thomson scattering measurement of the poloidal magnetic field in the ORMAK-II, 25:1173 (ORNL-TM-3093)
  - Measuring poloidal magnetic field in diffuse toroidal pinches, 25:27795
  - Method of measuring the poloidal magnetic field in diffuse toroidal pinches, 24:47203 (ORNL-TM-3128)
  - Oak Ridge Tokamak research, 25:38493 (CONF-710607-26)
  - Resonant and near-resonant wave—particle interactions in a transverse plasma wave, 22:34660 (TID-24491, pp 183-92)
  - Strong turbulence theory for a transverse electromagnetic wave: comparison with the single-particle calculation, 22:46146 (TID-24666, pp 145-56)
  - Wave—particle interactions in counterstreaming electron beams, 24:15305
- MURAKAMI, Masahito Studies on fallout particles. VI, 23:40880 (UCRL-Trans-10360)
- MURAKAMI, Masataka Retention of Hg in brain of rabbit, 24:2560
- MURAKAMI, Masatoshi Cave-day method for scheduling hot laboratory operation use, 22:49005
  - Design nd operation of post-irradiation examination facilities. I, 21:41079
  - Filter device for a fluid containing radioactive material, 22:19020
- MURAKAMI, S. Barium accumulation in spinach chloroplasts, 21:22263
- MURAKAMI, Satoru Localization of light-induced strontium accumulation in spinach chloroplasts, 21:12760
- MURAKAMI, Shiro Submerged arc welding of heavy plate for atomic reactor pressure vessel, 23:14313
- MURAKAMI, Susumu Radiolysis of raffinose type oligosaccharides in solid state. I, 23:2315
  - Radiolysis of raffinose type oligosaccharides in solid state. I, 23:11561
- MURAKAMI, T. Ionospheric phase distortion and Faraday rotation of radio waves, 24:17796
- MURAKAMI, Terutosi Kinetic-theoretical studies of the shock wave structure, 24:8469
- MURAKAMI, Tetsuo Application of pharmacology to animal group psychology, 25:28874 (ORNL-tr-2447)
- MURAKAMI, Ujihiro Developmental abnormalities due to external ionizing radiations: experimental observations, 22:40934
  - Differential radiosensitivity of immature brain tissue, 24:23343 (CONF-690501-, pp 755-67)

Effects of x-irradiation with relation to abnormal morphogenesis, 23:31934
Radiation effect on prenatal development, 25:42629
Species differences of the effects of x-irradiation upon the rat and mouse embryo, 25:11277
Species differences of the effects of x-irradiation upon the rat and mouse embryo, 25:42639
MURAKAMI, Y. Radioactivation analysis for the determination of trace elements in air pollutants, 25:31874
MURAKAMI, Yotaro Aging characteristics of Cu-2wt percent Be alloys with or without additional elements, 22:28798
Effect of small additional Co elements in Cu-2 wt percent Be alloy, 23:38994
Effects of neutron irradiation on ageing and precipitation phenomena in an aluminum—2.8 at. percent zinc—1.4 at. percent magnesium alloy, 25:22130
Effects of neutron irradiation on Cu—1.5 and 2.0 wt percent Be alloys, 23:41691
Effects of neutron irradiation on Cu—Be alloys, 25:55583
Moessbauer effect study in Cu—12.6 percent Be—0.2 percent Co—0.1 percent Zn alloy, 23:14369
Precipitation sequence in Cu—Be alloys, 25:45082
MURAKAMI, Yuetsu Effect of addition of Mo on properties of Nimalloy, 24:15407
Effect of iron and molybdenum additions on the properties of new high magnetic permeability alloys nimalloy in nickel and manganese system, 25:17309
Effect of Nb on alloys in the Ni and Mn system, 24:24177
Effect of Ta additions on the properties of new high magnetic permeability alloys, 25:49998
Effect of tungsten additions on properties of new high magnetic permeability alloys, 23:32033
Effects of Ta additions on the properties of Nimalloy, 25:12008
MURAKAMI, Yukio Preparation of thick chromium targets by electroplating, 24:42089
Trends in the utilization of radiations and radioisotopes. new applications and the problems, 25:18607
MURAKAMI, Yukitaka Low-cycle fatigue strength of nozzle-end weldments for reactor pressure vessels, 25:32668
MURAKAMI, Yukito Solvolysis of organic phosphates. II, 24:16526
MURAKAWA, Kiyoshi Quadrupole moment of ^{59}Co, 24:12636
MURAKAWA, Shoichiro Determination of chlorobiphenyl in rat adipose tissue by neutron activation analysis, 25:54500
MURAKI, Einosuke Grafting of radiation-peroxidized lignin, 22:8145
Radical grafting on lignin. I, 22:33403
Solvent effects upon radiation-induced graft copolymerization of styrene onto lignin, 21:3106
MURAKI, Yasushi High energy interaction, 24:30524
New mass formula of elementary particles, 23:10803
New mass formula of elementary particles, 23:39696
Particle—particle elastic scattering at 90°, 25:22842
MURAKI, Yoshio Calibration for gamma densitometer. II, 23:41083
Isotope instruments for measurement of snow densities, 24:9700
MURAKMI, Mariko Elastic and inelastic scattering of protons on ^{14}N in region 10 to 15 MeV. I, 25:38901
MURALI, A. V. Fission track method for determination of U in rock, 24:22603
MURALIDHARA RAO, S. Effect of impurities on the thermoluminescence of LiF single crystals, 24:14315
MURALIKRISHNA, U. New oxidimetric reagent: potassium dichromate in a strong phosphoric acid medium. VIII, 22:16418
MURALLI, A. V. Etch-tracks in meteoritic and terrestrial minerals, 23:5464
MURAMAKI, Ujihiro Micromelias in mouse fetus caused by x radiation, hypoxia, trypan blue injection, or hypervitaminosis-A mother animals during pregnancy, 22:38478
MURAMATSU, A. Drop-impact test on a spent-fuel shipping cask, 25:51838
Experimental study on the drop impact of spent fuel shipping cask, 25:48852 (CONF-710801-(Vol.2), pp 727-39)
MURAMATSU, Emiko Continuous measurement of respiratory $^{14}CO_2$ and CO_2 patterns in mice, 21:28382
Effect of ^{90}Sr and ^{131}I on respiratory $^{14}CO_2$ patterns following ^{14}C-glucose administration in mice, 25:32572
MURAMATSU, H. Quasi-free electron scattering on ^{12}C and ^{9}Be, 24:52415 (INSJ-122)
MURAMATSU, Hiroshige Gamma-induced polymerization of fluorine-containing pentadiene, 25:41848
Gamma-ray-induced polymerization of fluorine-containing pentadiene, 25:34633
Method for producing alcohols including a polyfluoro four-member ring, 23:2327
Method for producing ethers containing polyfluoro four-member rings, 23:9479
Method for producing ketones with a polyfluoro four-member ring, 23:9473
Radiation-induced addition reaction of thiols to chlorofluoroolefins, 21:1384
Radiation-induced addition reactions of ethers and alcohols to perfluoropropene, 21:23942
Radioinduced addition reactions of ethers and alcohols to perfluoropropene, 22:21095
MURAMATSU, Hiroshinge Method for producing alcohols containing fluorine, 23:265
MURAMATSU, M. End-window counting of tritium radioactivity by scintillation phosphor combined with prismatic light guide, 21:26181
Improved scintillation probe for efficient counting of low energy beta rays, 21:45419
Scintillation probe for continuous monitoring of tritiated water, 21:43264
MURAMATSU, Mitsuo Skin contamination by radioisotopes. IV, 21:17987
Skin contamination by radioisotopes. IV, 23:6441 (NSJ-tr-111)
MURAMATSU, S. Chromosomal aberrations in hematopoietic mouse tissues, 24:17033
MURAMATSU, Shigeru Immunologic unresponsiveness in adult mice, 23:38502
MURAMATSU, Susumu Erythropoietic recovery after irradiation in two strains of mice, 24:12279
Late appearing radiation injury. I, 25:19105
Late injuries induced by radiation. II, 25:26976
MURAMATSU, Takio Decontamination facility for heavy equipment, 21:30673
Ethylene dichloride radiation-chlorination facility, 23:4655
Hot laboratory facilities. I, 25:6524
Incineration facility for inflammable radioactive wastes. I, 23:26495
Incinerators for inflammable radioactive wastes. I, 24:31647
Instrumentation and operation of radioactive waste treatment facilities at the JAPC Tokai power station, 22:16794
Mist removal in evaporation—condensation of radioactive liquid wastes, 22:6372
Radioactive effluent treatment plant, 22:6373
Radioactive waste treatment facilities. II, 21:14303
Special facilities, pipes, and ducts of the atomic power station, 22:20840
MURAMOTO, M. Electronic spectrum of single-crystal Dy_2O_3, 22:13565
Electronic structure of rare-earth sesquisulfide crystals, 22:5436
MURAN, B. Predictions for decay distributions of resonances, 25:47884
MURANAGA, Koji Radio emission accompanying nuclear explosions, 24:17750
MURANAKA, Richard Fuel management program to optimize fuel utilization in TRIGA research reactors, 25:41555
MURANO, Masao Stereoregularity of polyacrylonitrile and its dependence on polymerization temperature, 21:23940
Studies on tacticity of polyacrylonitrile. I, 21:25836
MURANO, R. In vivo neutron activation analysis of total body Ca and other elements of body composition, 22:31007
In vivo neutron activation analysis of total body bone mass, 25:4042 (CONF-680211-, pp 496-516)
Instrumentation for in vivo neutron activation analysis in humans, 24:39253
MURANO, Robert Measurement of total body calcium (bone mass) in vivo with the use of total body neutron activation analysis, 24:41728
Measuring total body calcium by in vivo neutron activation analysis, 24:5628
MURANO, Tosiaki Relative biological effectiveness of 15 MeV betatron x-rays and 200 kV x-rays on bone marrow of mice, 22:40925
MURANYI, G. Radiosterilization of pharmaceutical materials, 22:52105
Sterilization of hydrocortisone eye-ointment by γ irradiation. I, 22:52100
MURANYI-KOVACS, I. Radiobiology of experimental tumors. I, 24:858
Radiobiology of experimental tumors. II, 24:852
MURAO, Satoru Symposium on nuclear medicine in internal medicine. I, 24:41932
MURAOKA, Katsunori Kinetic-theoretical studies of the shock wave structure, 24:8469
Shock-wave structure in the weakly ionized plasma, 22:26397
Shock-wave structure in weakly ionized plasma, 23:16846
MURAOKA, Noriko Kinetics of enzymatic photoreactivation studied with phage T1 and E. coli B/sub s-1/, 24:6149
MURAOKA, S. Effect of deuterium oxide on respiratory-chain phosphorylation, 22:47477
MURAOKA, Susumu Compatibility of tantalum with uranium monocarbide at high temperatures, 24:42130
MURARKA, S. P. Diffusion bonding in vanadium and zirconium, 22:28818 (BARC-303)
Diffusion of rare earth elements in aluminum, 23:20497 (BARC-368)
Diffusion of V in Nb, Zr, and V, 22:10977
MURAS, Karol Problems of measuring soil density with γ probes, 22:48925
MURASE, Akeji Influences of additional elements on properties of high-Zr Cu—Zr alloys, 22:6987
Properties of high Zr Cu—Zr alloys, 21:32893
MURASE, T. Effects of chloride ions and U(VI) ions in sol—gel process of UO_2, 23:3125
Elution requirements for ion-exchange separation of uranium isotopes, 25:23693
Property change of UO_2 crystallite in sol-gel process, 25:24646
MURASHEVA, M. S. Behavior of lines on solar disk, 22:45900
MURASHOV, B. F. Disturbances of the endocrine system by chronic action of a ultra-high-frequency field, 22:21623
Hemopoiesis during low doses of ionizing radiation, 24:9837
Pathogenesis of autonomic damage in prolonged action of ionizing radiation, 25:39942
MURASHOVA, V. A. Magnetic, charged-particle spectrometer, 23:11832
Search for elementary particles bearing a magnetic charge, 25:36379 (CERN-Trans-71-10)
MURASHOVA, V. I. Absorptiometric determination of tellurium, 23:49711
Determination of selenium and tellurium in sulphide ore, 24:11418
Photometric and extraction-photometric methods for determination of selenium and tellurium, 23:28695
MURASIK, A. Antiferromagnetic ordering in uranium monarsenide and monoantimonide, 23:3607
Antiferromagnetic ordering in uranium monoarsenide and monoantimonide, 23:7029 (INR-P-937)
Antiferromagnetism in USb_2 and UBi_2, 21:44151 (INR-796/II/PS)
Influence of sulfur substitution on magnetic properties of uranium monoarsenide, 25:50004
Magnetic ordering in uranium monoarsenide, 22:3190
Magnetic properties of uranium oxyselenide, 23:3604
Neutron-diffraction measurements on antiferromagnetic UOTe at 4.2 °K, 23:51799
Neutron-diffraction study of antiferromagnetism in USb_2 and UBi_2, 21:37571
MURASIK, Andrzej Liquid helium cryostat for neutron diffraction studies, 24:28188
MURASKIN, M. Mathematical property of Dirac plane waves, 25:17563
Particle-like behavior, 24:45578
Particle-like objects in a nonlinear field theory, 25:30964
Reexamination of unified field theory, 24:45573
MURASKIN, Murray Interpretation of GAMMA/sub [jk]//sup i/ in a Huygens model, 23:16919
MURATA, Akira Production of hafnium metal from hafnium oxide by chlorine process, 24:4763
MURATA, H. Confinement of collision-dominated plasma, 23:32316
Place of the fast breeder reactor in the reactor development programme in Japan, 22:18526
MURATA, Hideo Acceleration mechanism of energetic electrons in the theta pinch, 25:1164
High-temperature electron plasma by slow mirror theta pinch, 25:59021
Thermal conductivity of VIPAC UO_2 fuel. II, 25:2813 (JAERI-Memo-4128)
MURATA, Hiromu Molecular vibrations and force fields of dimethyl selenide and dimethyl selenide-d_6, 24:29274
Structure of trans ethyl methyl ether and the W form of diethyl ether, 25:29072
MURATA, Hiroo Electric currents induced by nonperiodic winds in ionosphere. I, 22:15423
Seasonal variation in the D-component of Sq near the dip-equator, 24:28169
MURATA, Hiroshi Hardware and software for computers for optimal control of reactors, 25:46280 (KURRI-TR-75, pp 88-98)
Realization of multi-purpose utilization of nuclear reactors, 25:23376
Significance and problems in the development of plutonium fuels, 23:33123
MURATA, Jiro Solidification of radioactive wastes with cement, 25:54979
MURATA, K. J. Diagenetic carbonates (^{13}C-rich) in Miocene formations of California and Oregon, 21:28083
MURATA, Katsuo Extraction of Mo(VI) by propylene carbonate, 24:14012
Pyridinium ternary molybdophosphate complexes, 24:48030
Spectrophotometric determination of Ti(IV), Zr(IV), and Th(IV), 24:2115
MURATA, Kazumi Photographic apparatus for the bubble chamber tracks, 25:51901
Problems in in-line Fraunhofer holography for bubble-chamber track recording, 25:434
Processing bubble chamber tracks by means of in-line filtered holography, 23:31548
MURATA, Kenichi Graft-copolymerization of N-vinylphthalimide to polyethylene by γ rays, 21:42971
Method for producing graft-copolymers with 1-phthalimido-1_,3-butadiene, 24:11595
Polymerization of 1-cyclicimido-1,3-butadienes and graft-copolymerization to polyethylene by gamma radiation, 22:18835
Polymerization of N-vinylphthalimide by γ-ray radiation, 22:10288
Polymerization of N-vinylphthalimide by γ radiation, 23:15910
MURATA, Kenji Calculation of x-ray production in alloy targets using Monte Carlo method, 25:27836
Energy dissipation of electrons in Al and Cu targets, 25:14400
MURATA, Mikio Nuclear accidents in nuclear installations, 25:8661 (JAERI-4052)
Performance characteristics of some filters using Thoron daughters, 23:13926
MURATA, Mitsuko ac polarographic determination of La, Ni, Ca, and Mg with DTPA, 23:7478
MURATA, Moriyasu Radiolysis of ascorbic acid in aqueous solution, 24:22680
MURATA, Motoi Changes of genetic loads in experimental populations of Drosophila melanogaster with radiation histories, 25:26705
Effects of x rays on genetic loads in a cage population of Drosophila melanogaster, 24:41801
MURATA, Niro γ-induced addition of trialkyltin hydrides to unsaturated esters, 25:31960
MURATA, R. E. Defective fuel pin testing in forced-convection capsules, 24:7124
Failed fuel performance in naturally convecting liquid metal coolant, 25:25983 (GEAP-13620)
Fast reactor fuel testing in forced convection capsules, 24:18711 (CONF-690910-, pp 679-89)
MURATA, T. Analysis of neutron inelastic scattering by ^{238}U, 25:15135
Delayed neutrons from ^{13}B, 23:7230
Protection of ocean and atmosphere from contamination by radioactive waste disposal, 25:51607 (A/CONF.49/P-250)
Removal of iodine and methyl iodide, 23:29073
Studies for safety analysis of loss-of-coolant accidents, 25:31605
MURATA, Tohru Elastic and inelastic scattering of protons on ^{22}Ne and the T = 1/2 and T = 3/2 energy levels of ^{23}Na, 21:15538
Electron loading in the accelerating tube of the electrostatic accelerator, 24:15745

Excited states in ^{27}Al from reaction ^{26}Mg(p,p)^{26}Mg, 24:35849
Triton-induced reactions on ^{12}C, 23:34730
MURATA, Tomomi Effect of neutron irradiation on precipitation-hardening of Al—3.8 percent Cu alloy, 25:42902 (JAERI-13692)
Electron microscope observations of gas bubbles in neutron irradiated Al—Li alloys, 21:9204
MURATA, Toshifumi Catalytic recombiner for boiling water reactors. II, 23:2025
Catalytic recombiner for boiling water reactors. III, 23:7388
Catalytic recombiner for boiling-water reactor. I, 22:42674
Development of catalytic recombiner for boiling water reactor, 23:33049
Identification of methyl iodide formed in iodine, 23:47379
Removal efficiency of charcoal filter for removing radioactive iodine, 25:4142
Removal of radioiodine by activated carbon. I, 23:19732
Removal of radioiodine by activated carbon. II, 24:4081
Removal of radioiodine by activated carbon. III, 24:46329
Studies on catalytic recombiner for boiling water reactors. II, 23:4209
Studies on removal of radioiodine by activated carbon. I, 23:50548 (ORNL-tr-2185)
MURATA, Toshinori Equipment for radioactive wastes disposal, 23:11615
MURATA, Y. Analysis of neutron correlation with shift registers, 25:3931
Applications of the facing-coupled Esaki diode pair, 23:728
Beam monitor system for photon beams, 24:13246
Electron-induced cascade showers in Pb, Cu, and Al, 24:12927
Photoproduction of $K^+\Lambda$ and $K^+\Sigma^0$ from H from 5 to 16 GeV, 23:30696
Photoproduction of N*(1236) from H, 22:24513 (INSJ-107)
Photoproduction of $\pi^{+-}\Delta(1236)$ from hydrogen and deuterium at 16 GeV, 24:45413
Photoproduction of $\pi^-\Delta^{++}(1236)$ from H from 5 to 16 GeV, 23:10737
Pulse risetime analysis of a ^{3}He proportional counter, 25:37596
Ratio of π^- to π^+ photoproduction from deuterium at 8 and 16 GeV, 23:8722
Single-π^{+-} and -K^+ photoproduction from complex nuclei at 8 and 16 GeV, 24:5234
MURATA, Yorihiro Inhibition of grain growth in niobium diboride, 25:22202
MURATBEKOV, M. B. Composition of products of isooctane γ-radiolysis, 25:174
Effect of charged particle acceptors on n-heptane γ-radiolysis. I, 24:13948
Effect of charged particle acceptors on n-heptane γ-radiolysis. II, 24:13949
Role of charged particles and excited molecules during radiation oxidation of n-heptane by molecular oxygen, 25:8281
Role of charged particles and excited molecules in the radiolytic oxidation of n-heptane by molcular oxygen, 25:18466
MURATKHODZHAEV, N. K. Radioisotope scanning, 24:9897
MURATORE, E. Formation of calcium sulfate deposits on tube walls, 25:41658 (ORNL-tr-2468)
MURATORI, E. X-ray fluorescence analysis of low concentrations, 21:32113
MURATORI, G. Wire stretching machine for spark chambers, 22:49114 (CERN-68-34)
MURATOV, R. Z. Inherent quasi-statical oscillations of plasmoids, 23:51669
Internal potential of heterogeneous ellipsoids, 25:32930
Multipole degeneracy of eigenfrequencies of a plasmoid, 24:37478
MURATOV, V. A. Thermal stability and wear resistance of boron—titanium metal deposits, 25:16596
MURATOV, V. I. Asymmetry of combination frequency spectra in a bounded plasma, 25:22554
Asymmetry of the combination-frequency spectrum in a plasma, 25:43410
Dynamics of three-wave processes in plasmas, 22:29490
Exchange of energy between high- and low-frequency oscillations in plasma, 21:15154
Interaction of ionic cyclotron waves with high-frequency oscillations of a plasma, 21:18703
Nonlinear limitation of double-stream instability, 25:22508
MURATOVA, T. A. Analysis of radiative decays and geometrical characteristics of $X^0 \rightarrow Y^0 + \gamma \rightarrow 3\gamma$ decay, 21:31566
MURATOVA, U. M. Gamma-activation method for quantitative determination of N and P in modified cellulose, 24:29237
MURAV'EV, I. I. Negative absorption in the bands of the molecular ion of nitrogen in a glow discharge, 21:42043
MURAV'EV, M. N. Action of γ rays of ^{60}Co on the automatic activity of lymphatic hearts of the frog, 22:31132
MURAV'EV, V. F. Effect of helicon on plasma instabilities, 24:45268
Influence of a high-frequency magnetic field on an unstable plasma, 25:40680
Influence of high-frequency field on plasma instabilities, 25:27781
MURAV'EV, V. N. Effect of petroleum growth substance on the healing of radiation wounds of the skin, 25:42539
MURAV'EV, V. V. Investigation of interaction processes of accelerated T^+ ions in solid targets by the method of interlayer irradiation, 24:21548
Yields of labeled compounds on irradiation by beams of tritium ions of targets of different thicknesses, 24:19037
MURAV'EVA, A. A. Systems Y—Al—Si (Ge,Sb), 25:42891
MURAV'EVA, G. A. Recombination radiation from CdS on excitation by fast electrons, 22:52857
MURAV'EVA, I. A. Interaction of oxides of rare earth elements with the oxide of sodium, 23:41729
MURAV'EVA, L. I. Influence of enteral vaccination of the radioresistance of mice, 22:45694
MURAV'EVA, L. P. Isolation of neptunium(IV) with H peroxide, 25:15570
MURAVEVA, L. V. Uranium distribution in sedimentary rocks, 24:2325
Uranium distribution in sedimentary rocks in the western part of the Amu Darya petroleum basin, 24:36405
MURAV'EVA, V. V. Decay of ^{97}Zr, 25:28438
Decay of neutron defficient isotopes of Pt, Ir, and Os, 25:28389
Study of disintegration of ^{169}Yb nucleus, 24:1847
MURAY, J. J. Magnetic center location in multipole fields, 21:7598
Resonance detectors for Moessbauer experiments, 21:36374
MURAY, Julius J. Pulse energizing and energy recovery system for an electromagnet, 22:49157
MURAYAMA, Akihiro Characteristic features in nonleptonic hyperon decays and composite models, 25:53124
Correspondnce between the three-triplet model and the quartet model in nonleptonic hyperon decays, 25:59423
Nonleptonic hyperon decays and baryon β-decays based on the quarter model, 24:42923
Nonleptonic hyperon decays based on the composite scheme, 22:46378
P-wave nonleptonic hyperon decays, 24:8616
Parity-conserving nonleptonic decays of hyperons and SU(3)-symmetry breaking of the strong interaction, 24:40347
Pole model of nonleptonic hyperon decays, and model of hadrons and their fundamental weak interaction, 21:17090
Three properties of nonleptonic hyperon decays, 22:41782
MURAYAMA, Daiki Microautoradiography for hydrophylic and lipophylic compounds, 21:24528
MURAYAMA, Hiroyasu Opposed scintillation-scanner of 5 in. phi and its effectiveness, 22:51822
MURAYAMA, N. Fallout particles in ground-level air from the Chinese nuclear explosion of December 28, 1966, 22:33572
Measurement of natural radioactivity in near-ground atmosphere, 23:9724
Meteorological analysis of radioactive fallout caused by four nuclear explosions of 1966 to 1967, 22:27921
Meteorological feature of cosmic ray produced ^{7}Be, 21:41836
MURAYAMA, Nobuhiko Continuous measurement of natural radioactivity in the near-ground atmosphere by ionization chamber, 23:24318
Natural radioactivity in surface air in Japan, 21:14664
Transport of radioactivity and ozone through the tropopause, 21:36159
MURAYAMA, Seiichi Ultrahigh-frequency discharge in atmospheric-pressure gas, 23:3457
MURAYAMA, T. Electrons within the neutral sheet of the magnetospheric tail, 22:15432
MURAYAMA, Tadao Production of saddle-shaped superconducting magnet, 23:30457
MURAYAMA, Takashi Correlated occurrence of energetic electron bursts in the magnetotrail and geomagnetic impulsive micropulsation, 24:51513
Measurement of primary and albedo cosmic rays on a polar orbiting satellite, 22:17425
Spatial distribution of energetic electrons in the geomagnetic tail, 21:5147
MURAYAMA, Y. Method to determine mass of microfine particles, 21:2318
MURAYAMA, Yoshihiko Direct measurement of radioactivity in selfluminous paint, 24:20988
Method for producing a radiation luminous body, 21:30644
Method for producing a radioluminescence body emitting a white (reflected-) light, 22:21084
Radiation monitoring in the radioactive luminising industry, 23:20243
Studies on LiF thermoluminescent dosimetry, 24:31740
MURAYAMA, Yoshimasa Method and apparatus for determining the mass of microfine particles, 25:49033
MURAYAMA-OKABAYASHI, Fumiko A series of hybrid cells containing different ratios of parental chromosomes formed by two steps of artificial fusion, 25:26700
MURBACH, E. W. Coolant chemistry sodium loop operating experience at Atomics International, 22:12678 (ANL-7380, pp 123-5)
Coolant management, 23:24015 (AI-AEC-12744, pp 61-4)
Dispensing and sampling sodium for the LMFBR cladding project, 22:4314
Evaluation of an electrochemical oxygen meter, 22:47395 (AI-AEC-12700)
FBR fuel cladding and structural materials, 23:13515 (AI-AEC-12721, pp 155-60)
Operation of Systems Quality Sodium Loop, 23:48383 (AI-AEC-12801)
Production of stoichiometric uranium monocarbide, 22:13055
Sampling blanks for LMFBR cladding program, 22:12223 (NAA-SR-12616)
Systems quality sodium loop: oxygen meter calibration, 23:45570 (AI-AEC-Memo-12848)
Systems-quality sodium loop, 21:34358 (NAA-SR-12327)
MURBACH, E. Wesley Pyrochemical reprocessing of UC fuel, 23:38047
MURCHISON, D. G. Apparatus for reflectivity measurement of reactive and radioactive materials, 23:4863
Apparatus for reflectivity measurement of reactive and radioactive materials, 23:38372
MURCRAY, D. G. Atomic solar lines in the region 1 to 2 μ observed from a balloon-borne spectrometer, 22:49943
Emission feature at 11.7 cm^{-1}, 25:52718
Identification of the τ_3 NO_2 band in solar spectrum observed from a balloon borne spectrometer, 24:15087
MURCRAY, F. H. Atomic solar lines in the region 1 to 2 μ observed from a balloon-borne spectrometer, 22:49943
Identification of the τ_3 NO_2 band in solar spectrum observed from a balloon borne spectrometer, 24:15087
MURCRAY, W. B. Electron number densities in auroral irregularities: comparison of backscatter and satellite data, 21:13444
Intensity ratio of 6300 and 5577-A O I emissions in quiet aurora, 23:42095
MURCRAY, Wallace B. Ratio rho(5577)/rho(N_2^+ first negative) in the aurora, 23:10519
Spatial relationship of auroral OI and N_2^+ emissions, 21:13443
MURDAY, J. S. Self-diffusion in liquids: H_2O, D_2O, and Na, 25:2192
Self-diffusion in molten Li, 25:26239
MURDIN, J. Rocket-borne D-region probe measurements, 25:27565
MURDIN, P. Optical identification of Cygnus X-1, 25:58554
MURDIN, Paul Accurate timing of light flashes from the pulsar in the Crab Nebula, 25:9089
Radial velocities of the gas in H II regions and their associated stars, 23:39121
MURDOCH, H. S. Digital measurement of radio source positions, 24:1170
Improved right ascensions for 0.9 steradians of 4C catalogue, 24:23649
Over-estimation of the flux density of weak radio sources, 24:30081
Revised spectra for 74 radio sources, 23:12477
Right ascensions for 389 sourthern radio sources, 25:19387
MURDOCH, Hugh S. Maximum-likelihood estimation of the slope from number-flux-density counts of radio sources, 25:7014
MURDOCH, Marianne B. Importance of Spartina alterniflora in conveying Zn, Mn, and Fe into estuarine food chains, 23:17979 (CONF-670503-, pp 431-9)
MURDOCH, R. Effect of moisture on the inhibitory action of phosphorus oxychloride on the air oxidation of graphite, 22:779 (AERE-R-5552)
MURDOCH, R. N. Oxidative and glycolytic activity of ejaculated ram spermatozoa in the presence of steroid hormones, 25:2519
MURDOCK, David K. Kinetics of marrow regeneration after local irradiation of the femur in rabbits, 22:28665
MURDOCK, H. R. Jr. Analysis of the radiorenogram technique, 21:22495
MURDOCK, T. B. BONUS rod cluster fuel design, 21:27677 (GEAP-5262)
Design and fabrication of Mark IV superheat fuel, 21:27675 (GEAP-5097)
MURDOCK, Thomas B. Steam superheating nuclear reactor having steam flow equalizer, 22:1834
MURENBEELD, M. Slowly rotating radiating sphere and a Kerr—Vaidya metric, 24:37927
MURESAN, I. Strychnine and adrenal hormone effect on ^{32}P uptake in thymus of rats, 21:39356
MURESAN, V. Dynamics of radiocalcium in the heart of the irradiated animal, 21:11095
Reaction of the autonomic nervous system to some biogenic amines and to nicotine, 21:4856
Reactivity of irradiated animals to toxic and non-toxic doses of pentetrazol and caffeine, 22:25914
MURFIN, D. Developments in the flash method for the measurement of thermal diffusivity, 25:22177
MURFIN, W. B. Transient response of cylindrical, shell-core systems, 22:21004 (SC-DC-67-3210)
MURFIN, Walter B. Computer programs for dynamic response of partially nonlinear systems, 22:14396 (SC-TM-67-2977)
Dual specifications in vibration testing, 22:10151 (SC-TM-67-2938)
Elastic—plastic collapse of structures subjected to a blast pulse, 22:3981 (SC-DC-67-1923)
Method for computing the collapse loads of heated, arbitrarily loaded spherical shells in an elastic medium, 25:2037 (SC-DR-70-218)
PAN6: computer program for analysis of space frameworks, 25:37229 (SC-RR-70-742)
Response of elastic, infinite, cylindrical shell to initial membrane and bending stresses, 22:18669 (SC-TM-67-3025)
MURFITT, Robert Roscoe Interactions of sulfate and phosphate anions with alkaline earth cations in crystals, 25:57293 (UR-49-1517)
MURGAI, M. P. Thermal instability problem of a fluid sphere and the effect of radiative transfer, 21:37260
MURGATROYA, R. A. Strength of Zr—2 1/2 percent Nb alloy, 23:33983
MURGATROYD, J. L. Krypton-85 leak test, 22:21286 (AWRE-O-22/68)
MURGATROYD, R. A. Hydriding Zircaloy-2 in lithium hydroxide solutions, 22:709
Strength of Zr—2 1/2 percent Nb alloy in annealed and cold-worked condition, 23:32042 (TRG-Report-1786)
MURGATROYD, W. Experimental investigation of the natural convection of a heat-generating fluid within a closed vertical cylinder, 25:329
University teaching of nuclear engineering, 24:9212
MURGOCI, P. Low radiation doses and control of metabolic pathways, 25:42606

- MURGULESCU, I. G. Present state and future prospects of the thermodynamics of fused salts, 22:31499
  - Radiochemical polymerization of acrylonitrile in spinning solvents, 23:43352
  - Radiolysis of complex oxalates in aqueous solutions. I, 22:12354
  - Radiolysis of potassium oxalate and oxalic acid, 22:47168
  - Radiolysis of the hexamminocobaltic nitrate in aqueous solutions, 24:38966
- MURGUZOV, M. I. Gallochalcogenides of rare-earth metals, 21:14887
- MURIEL, A. Application of nonequilibrium statistical mechanics to stellar dynamics, 22:29113
  - Fokker—Planck equation using projection techniques, 24:12820
- MURILLO, G. Design and construction of mechanical parts of the spectrograph, 24:18339
  - Electric and magnetic aspects of spectrograph, 24:18337
  - Spectrograph as a wide range nuclear polarimeter, 24:18338
- MURIN, A. N. Chemical consequences of nuclear transformations in compounds of Sn, Fe, and Co, 24:9384
  - Diffusion of labeled atoms and conductivity in ionic crystals, 22:24486
  - Inert gases in iron meteorites and spallation reactions, 24:19528
  - Isotopic composition of lithium in uranium minerals, 24:41452
  - Mass spectrometric determination of relative cross section of reaction ^{133}Cs(p,2pxn)/sup 132 - x/Xe, 22:37363
  - Moessbauer spectrum of ^{237}Np after α decay of ^{241}Am in Th lattice, 23:5459
  - Moessbauer-effect study of the aftereffects of nuclear transformations in solids, 25:194
  - Photochemical transformations of radiophosphorus in single crystals of potassium chloride, 21:31482
  - Possibility of quadrupole moments ratio determination for excited ground states of ^{237}Np isotope, 22:46772
  - Production of O compounds of Xe by β decay of I isotopes and study of their properties, 21:4497
  - Production of XeO$_3$ by β decay of ^{131}I in HIO$_3$ and I$_2$O$_5$ composition, 21:5981
  - Radiation-chemical transformations of atoms of phosphorus in KCl monocrystals, 24:13888
  - Reactor-irradiated tin compounds studied by the nuclear gamma resonance method, 23:20993
  - Relation of radio- and radiative-chemical effects in KCl crystals irradiated by high-energy protons, 21:24036
  - Relative yield of Xe isotopes on irradiation of Ba by protons with an energy of 680 MeV, 24:44031
  - Use of thermionic emission in isotope analysis of lead and lithium, 24:26928
- MURIN, B. P. Accelerating field stabilization in beam-loaded proton linac by choosing hf supply parameters and operating conditions, 21:29794
  - Design problems of 1000-MeV linear accelerator used as an injector for cybernetic accelerator, 21:29793
  - Field decrements in linear proton accelerators, 24:47538
  - Hf-field stabilization in strong current linacs, 22:32323 (CEAL-2000, pp A54-5)
  - Linear proton accelerator I-2. V, 22:32401
  - Nonlinear interactions of an intensive beam of charged particles with the accelerating field, 24:45653 (KFK-tr-318)
  - Proton linac (25 MeV), 22:32316 (CEAL-2000, pp A30-1)
  - Proton linear accelerator (800 MeV), 22:32322 (CEAL-2000, pp A52-3)
  - Some problems of longitudinal beam dynamics in high-energy proton linac, 25:50429
  - Startup of 25-MeV, rigid-focusing linear proton accelerator, 21:33821
- MURIN, V. I. Thermal decay of ZnS—Ag and the dependence of the quenching rate on the temperature for excitation with α-particles, 21:39272
- MURINOV, Yu. I. Extraction capability of sulfoxides. II, 25:15733
  - Extraction capability of sulfoxides. III, 25:15734
- MURISON, Paul J. Joint scanning with labeled albumin, 23:18065
- MURLEY, E. Initial warmup of 500,000-gallon liquid H dewar, 21:30320 (LA-3661)
- MURLEY, T. E. Calculating Doppler coefficient in fast breeder reactors, 23:6001
  - Calculating the prompt-neutron lifetime in fast reactors, 21:38556
  - Effect of flux level on irradiation-produced swelling, 24:6228
  - Energy spectrum of fast neutrons slowing down from a fission source in a homogeneous medium, 22:14166
  - Investigation of prompt neutron kinetics in fast-thermal argonaut-reactor STARK by noise analysis, 21:25716 (KFK-522)
  - Investigation of the Rossi-alpha and pulsed-neutron methods for measuring the prompt-neutron decay constant in fast assemblies, 22:5732
  - Low energy multigroup cross sections and the Doppler coefficient in fast reactor, 23:28447
  - Simple method of calculating ^{238}U fissions in isolated, low-enriched uranium rods, 22:6170
  - Space-energy synthesis techniques for fast reactor calculations, 22:32826
- MURMANN, H. Energy levels and interaction between Eu^{3+} ions in Y$_2$O$_3$, 24:42834
- MURMANN, R. Kent Formation of Np(V)—Rh(III) complex, 21:23877
  - Isotopic ligand-exchange studies on [Re(amine)$_4$O$_2$]$^+$-type ions, 22:33357
  - Oxygen exchange between perrhenate ion and water, 21:15898
  - ReO$_4^-$—H$_2$O exchange kinetics in methanol using ^{18}O, 25:54574
- MURMIS, B. Automatic control system for RA-3 reactor, 24:38615
- MURMYLO, G. L. Wave excitation in plasma by external currents. I, 21:33439
  - Wave excitation in plasma by external currents. II, 21:44110
- MURN, R. Discriminator for fast scintillation counter pulses with minimal time jitter, 22:38037
- MURNICK, D. Internal magnetic fields at Mo, Ru, Pd, Sm, and Pt nuclei implanted in Fe, Co, Ni, and Gd metals, 21:44148 (COO-7-0422)
  - Internal magnetic fields at Mo, Ru, Pd, Sm, and Pt nuclei implanted in Fe, Co, Ni, and Gd metals, 22:46267
  - Magnetic moments of first excited 2$^+$ states in even Hg isotopes, 21:44661 (COO-7-0424)
  - Measurements of equilibrium charge states of Br, I, Ta, and U up to about 200 MeV, 21:19112
- MURNICK, D. E. Anomalous hyperfine fields in Fe hosts, 21:44149 (COO-7-0423)
  - Anomalous hyperfine fields in Fe hosts, 22:46803
  - Effective magnetic fields on ^{150}Sm in ferromagnetic lattices, 22:1354
  - Evidence for transient hyperfine fields on fast ions in ferromagnetic media, 22:29241
  - g-factors for 2$^+$ states of doubly even nuclei, 23:42906
  - Hyperfine fields on hafnium nuclei in iron and gadolinium metal, 23:42507
  - Hyperfine fields on hafnium nuclei in iron and gadolinium metal, 25:1322
  - Implantation perturbed angular correlation studies on ^{238}U in Fe, 24:49882
  - Implantation-perturbed angular correlation experiments in iron after inelastic proton scattering, 23:39559
  - Magnetic moments of 2$^+$ states in even Te nuclei, 21:2734
  - Magnetic moments of first excited 2+ states in even Hg isotopes, 22:46788
  - Measurement of the Lamb shift in the n = 2 state of ^{12}C^{5+}, 25:1618
- MURNICK, Daniel Coulomb-excitation ion-implantation perturbed angular correlation method, 22:9108
- MURO, T. Iodine-131 metabolism of guinea pigs, 23:20122
- MUROGOV, V. M. Study of the possibility of using thorium in fast power reactors, 21:14033
- MUROHASHI, Toyoho Effect of ultraviolet irradiation on the acid-fastness of drug resistant mutants of tubercle bacilli, with special reference to the virulence of isoniazid resistant strains, 21:36769
  - Effect of uv irradiation on acid-fastness of mycobacteria, 22:31296
  - Effect of uv irradiation on acid-fastness of drug-resistant mutants of tubercle bacilli, 22:31297
  - Method to differentiate mycobacterium avium from nonphotochromogens, 21:16538
  - Relation between acid-fastness and pathogenicity of uv-irradiated tubercle bacilli, 21:22804
- MUROMKIN, Yu. A. Beam instability (sharp discontinuities) of plasma currents, 22:3137
  - Characteristics of a toroidal discharge at low plasma density, 21:18648
  - Heating mechanism of plasma during development of beam instability, 23:51593
  - Injection of plasmoids into a mirror trap, 21:27120 (UCRL-Trans-1282(L))
  - Investigation of plasma heating under conditions of beam instability in a linear discharge, 21:37413
- MUROMTSEV, V. I. Analysis of EPR spectra of fluorocarbon radicals in irradiated tetrafluoroethylene, 21:8355
  - Electron paramagnetic resonance spectra of fluoroalkyl macroradicals in irradiated polytetrafluoroethylene at 77°K, 23:40693
  - Electron paramagnetic resonance spectra of fluoroalkyl macroradicals in gamma-irradiation of tetrafluoroethylene at 4.2°K, 23:40694
  - Mechanism involved in the radiative destruction of polytetrafluoroethylene, 22:18840
  - Solid-state radiation polymerization of tetrafluoroethylene. I, 23:4699
  - Utilization of electron paramagnetic resonance relaxation effects in radiation chemistry, 23:17484
- MUROMURA, Tadasumi Precipitation of Pu(IV) molybdate, 24:7427
  - Precipitation of Pu(IV) molybdate, 24:18949
- MUROTA, Kazuo Establishment of fuel cycle in Japan, 24:36035
  - Nuclear fuel rod, 23:41712
  - Reactor-core elements, 22:44931
- MUROTA, Shoji Atomic number effects in electron probe microanalysis, 23:11437
- MUROTA, Toshiyuki ^{1}S$_0$ phase shift of nucleon—nucleon scattering, 23:39751
  - 3-meson-exchange model of nucleon—nucleon scattering, 24:40425
  - Effective-range theory based on N—S—B equation, 23:13112
  - Method for solving the Nambu—Salpeter—Bethe equation, 21:27384
  - Relativistic ^{3}P$_0$ bound state in the PS(ps) coupling, 24:8676
  - Scale invariance and relativistic composite nucleon, 25:56465
- MUROYA, Masa-aki Effect of deuterium exchange of silica gel on dielectric relaxation, 24:4300
- MUROZUMI, Masayo Determination of sodium in arctic and antarctic snow strata, 24:43982
  - Neutron activation analysis of chlorine in arctic and antarctic snow strata, 24:43981
- MURPHEY, W. M. Analysis of results of the Bureau International des Poids et Mesures thermal neutron flux density intercomparison, 25:25618
  - Assessment of material unaccounted for control criteria, 25:21332
  - Computer code for the calculation of thermal neutron absorption in spherical and cylindrical neutron sources, 25:48001 (NBS-TN-576)
  - Rapid response diversion detection in the plant safeguards system, 25:21340
- MURPHREE, C. E. Performance of nuclear-sediment concentration gages, 22:19178
- MURPHREE, David L. Electrostatic probe measurements in a collisionless plasma sheath, 25:33231
  - Low-pressure arc discharge motion in transverse magnetic field, 24:17919
  - Photographic observations of the retrograde rotation of an arc discharge, 24:35409
  - Plasma velocity determination by electrostatic probes, 24:17893
- MURPHREE, Eger V. Nuclear power generating apparatus, 21:4396
- MURPHREE, R. L. Changes in semen and blood of boars following total-body gamma irradiation, 21:8964
  - Effect of dose rate on prenatally irradiated lambs, 24:23314 (CONF-690501-, pp 243-50)
  - Effects of prenatal gamma radiation on testicular morphology and function in swine, 21:14756
  - Growth in prenatally irradiated rats, 24:9944
  - Somatic changes in the fetus, 24:12230 (ORO-672, pp 3-11)
  - Somatic changes in the fetus, 25:16308 (ORO-678, pp 4-6)
  - Viability among progeny of irradiated male rats, 22:563
- MURPHY, B. D. Reaction ^{15}N(d,n)^{16}O and states in ^{16}O, 25:38904
- MURPHY, B. L. Formation of a collisionless magnetohydrodynamic shock wave, 23:36688
- MURPHY, B. P. Determination of thyroxine by competitive protein-binding analysis employing an anion-exchange resin and radioactive thyroxine, 21:5794
- MURPHY, Beverley E. Conference on radioisotopes in medicine: in vitro studies, Oak Ridge, Tenn., 11/67, 23:11943 (CONF-671111)
- MURPHY, Beverley E. Pearson Protein binding and its application in the assay of nonantigenic hormones: thyroxine and steroids, 23:11945 (CONF-671111-, pp 43-57)
- MURPHY, Brian L. Charge separation effects in cold plasma sheath model, 24:3362
  - Magnetohydrodynamic wave propagation in the ionosphere, 21:7080 (AD-637871)
  - Magnetohydrodynamic wave propagation after the Starfish detonation, 22:17484
  - Potential buildup on an electron-emitting ionospheric satellite, 21:18515
- MURPHY, Brian Logan Interaction of plasmas and radiation. I—III, 22:3116
- MURPHY, Brian R. Factors modifying host resistance to viral infection. III, 22:30965
  - Factors modifying host resistance to viral infection. I, 23:31668
- MURPHY, C. B. Thermal analysis, 22:25358
  - Thermal analysis, 24:26960
- MURPHY, C. G. Radial deformation analysis by holographic interferometry, 25:41664 (SC-DR-710036)
- MURPHY, C. H. Motions of an electron—ion cloud released at 100 kilometers, 21:31340
  - Sporadic E and the wind structure of the E region, 21:18528
- MURPHY, C. M. Status of research on lubricants, friction, and wear, 21:15879 (NRL-6466)
- MURPHY, C. T. Cross sections for reactions anti pp $\rightarrow$ $\pi^+\pi^-$ and K$^+$K$^-$ near 2 GeV/c, 23:5529
  - Electron momentum errors, single π^0 physics, and 2π^0 physics in hydrogen—neon mixtures in 25-foot bubble chamber, 24:50590 (TID-25473(Vol.2), pp 45-67)
  - Fraction of stopped antiprotons which annihilate on free hydrogen in propane, 25:9645
  - Importance and feasibility of experiments on reaction anti p + p $\rightarrow$ π^+ + π^-, etc., up to 50 GeV/c, 24:51933 (TID-25473(Vol.4), pp 303-6)
  - Measurement of the Λ-H^4 lifetime and search for Λ-H^3 production in K$^-$—freon interactions, 24:47371 (CONF-690557-(Vol.1), pp 438-50)
  - Resonance formation in antiproton—proton elastic scattering from 1.6 to 2.2 GeV/c, 22:52933
  - Sketch of a very high flux separated antiproton beam, 24:52278 (TID-25473(Vol.1), pp 133-41)
  - Two-body annihilation in flight, 23:13086 (ANL/HEP-6812, pp 58-78)
- MURPHY, Charles F. Prog. rpt. on effect of irradiation upon heterosis among diverse polygenic systems in oats, 11/15/66—8/14/67, 21:39380 (ORO-3028-5)
- MURPHY, Charles H. Ionospheric winds over Yuma, Arizona, 22:29349
  - Seasonal variation of ionospheric winds, 23:10515
- MURPHY, Cornelius F. Brain scanning with /sup 99m/Tc pertechnetate and ^{197}Hg chlormerodrin, 22:28562
  - Brain-scanning in diagnosis of brain tumors, 23:50675
- MURPHY, Donald W. Controlled-current bipotentiometric titration of U(IV) with Fe(III), 21:10290
- MURPHY, E. F. Corporate model of an electric utility, 23:33015
- MURPHY, E. G. Energy spreading and stabilization of plasma by applying a high-frequency electric field, 21:29315
  - Ion cyclotron instabilities, 23:32465
  - Ion cyclotron instabilities in PHOENIX apparatus, 21:33478 (CLM-R-69)
  - Ion cyclotron instabilities in Phoenix II experiment, 22:52826 (CONF-671127, pp 1-26)
  - On-line data acquisition system using LINC-8 computer, 25:7363 (CLM-R-104)
  - Stabilization of flute instability with integrating feedback system, 25:56197
  - Warning chimes for experimental x-ray machine, 22:25696
- MURPHY, E. J. I. Irradiated-pasteurized fishery products. II. Operational guide for MPDI, 22:17066
  - Prog. rpt. on irradiated-pasteurized fishery products, annual, 10/65—9/66, 22:210 (TID-24016)

Prog. rpt. on operations of marine products development irradiator, annual, 10/66—9/67, 24:22849 (TID-25211)
Radiation pasteurization of fishery products, 25:24496
MURPHY, E. S. Analysis of nuclear fuel by gamma scanning, 23:35007
Nondestructive analysis of fuel irradiated in EBWR by gamma scanning, 23:28717 (BNWL-1005)
Relative burnup by γ scanning EBWR fuel rods, 22:30122 (BNWL-653)
MURPHY, E. Smith Jr. Energy levels of ^{193}Ir, 21:29972
MURPHY, Edmond A. Pattern of platelet disappearance, 21:41319
MURPHY, Edward J. Commercial feasibility of irradiating haddock and cod fillets, 24:23418
Commercial feasibility of irradiating haddock and cod fillets. II. Temperature patterns during shipments of fresh fillets by truck and by rail, 24:48776
Prog. rpt. on marine products development irradiator program: irradiated fresh shrimp shipping studies, annual, 10/67—9/68, 25:27138 (TID-25543)
MURPHY, Emmet G. Description and evaluation of a fluoroscopic screen visual brightness comparer, 24:21036 (BRH/DEP-70-3)
MURPHY, F. Forward photoproduction of vector mesons from H at energies from 6.5 to 17.8 GeV, 22:44307
Measurements of π^{0} and eta^{0} photoproduction at incident gamma-ray energies of 6.0 to 17.8 GeV, 22:41726
Neutral-boson photoproduction on hydrogen at high energies, 24:24208
MURPHY, F. V. Charge-exchange scattering of K^{+} mesons from Be at 0.97 GeV/c, 22:50308
Design and performance of a streamer chamber for use in neutral beams, 22:36102
Photonucleon total cross sections at very high energy, 24:45410
Total hadronic (γ,p) and (γ,d) cross sections from 4 to 18 GeV, 24:45409
Total photoabsorption cross sections up to 18 GeV, 24:3503
Total photoabsorption cross sections on H and complex nuclei at energies up to 18 GeV, 24:52021
MURPHY, Frederick V. Photons as hadrons, 25:43597
MURPHY, Frederick V. Jr. Elastic scattering of K^{+} mesons by ^{9}Be at 950 MeV/c, 21:7466 (PPAD-601-F)
Elastic scattering of K^{+} mesons by ^{9}Be at 950 MeV/c, 22:11599
MURPHY, G. P. Effect of prolactin on organ weights and ^{65}Zn uptake in male baboons, 24:39421
Fluid and tissue kinetics of ^{65}Zn in baboon prostate, 24:9745
Radioisotope and radiocarbon characterization of baboon kidney function during bloodless, isolated perfusion, 24:16944
Uptake of ^{65}Zn by baboon prostate, 23:47925
MURPHY, George B. Conference on medical radiation information for litigation, Baylor Univ., Houston, Tex., 11/68, 24:29760 (DMRE-69-3)
MURPHY, Gerald P. Alterations in ^{203}Hg isotopic kinetics in experimental renal ischemia, 21:14679
Clinical correlations of ^{203}Hg-chlormerodrin and urinary concentration in hypertension and renal disease, 22:15034
Zinc-65 and /sup 69m/Zn studies in the dog, monkey, and man, 23:26684
MURPHY, Glenn Applications of nuclear devices at Iowa State Univ, 24:27277
Cross-spectral density measurements in a coupled-core reactor, 22:14271
Determination of As content of cigarettes by neutron activation analysis, 23:35033
Effect of oxygen content on the liquid metal corrosion of molybdenum, 21:6753 (IS-1350)
Gamma-irradiation effects in single-crystalline barium titanate, 23:48967
Gamma-ray attenuation coefficients of grains and forages, 21:30879
Measurement of shutdown margin, 22:30322
Pulsed-neutron diffusion parameters in spherical water systems, 23:8917
MURPHY, H. L. Ground motion predictions for nuclear attack area studies, 23:49972 (AD-690208)
MURPHY, Harry M. Jr. Decay of ^{109}Cd, 22:9892
MURPHY, J. C. Pressure dependence of the Knight shift in Al and Nb metal, 25:17320
Prog. rpt. on SNAP-23, 11/64—1/65, 21:24169 (MMM-3418-08)
Prog. rpt. on SNAP-23, 2—4/65, 21:24170 (MMM-3418-17)
Prog. rpt. on SNAP-23, 5—7/65, 21:24171 (MMM-3418-22)
Prog. rpt. on SNAP-23, 6/15—10/31/64, 21:24168 (MMM-3418-05)
Raman spectrum of V/sub K/ centers in KCl:Ag crystals, 24:26310
MURPHY, J. D. Study of giant resonances through radiative pion capture with application to ^{16}O, 21:42560
MURPHY, J. E. Comparison of sublimation and vaporization for purification of samarium metal, 25:203 (CONF-700403-(Vol.2), pp 532-44)
Irradiated homografts in primates, 24:14526
Preparation of rare earth and yttrium metals by electrodeposition, 23:8128 (CONF-681020-(Vol.2), pp 485-98)
Preparation of rare-earth and yttrium metals by electrodeposition and vacuum distillation of alloys, 23:51005 (BM-RI-7308)
MURPHY, J. H. Comparison of the FLASH-2 loss-of-coolant analysis method with LOFT semiscale test results, 22:5976
Decompression of the LOFT quarter scale reactor vessel: analysis and test, 25:23316 (WAPD-T-2284)
Decompression of the LOFT quarter-scale reactor vessel, 24:7162
FLASH-2 method for loss-of-coolant analysis, 23:11260
FLASH-2: FORTRAN IV program for digital simulation of multinode reactor plant during loss of coolant, 21:40581 (WAPD-TM-666)
FLASH-3: FORTRAN IV program for simulation of reactor plant transients in space and time, 24:11218 (WAPD-TM-800)
FLASH-4: fully implicit FORTRAN IV program for digital simulation of transients in a reactor plant, 24:5536 (WAPD-TM-840)
Glass model tests on emergency core cooling systems, 24:33349
Improved techniques for loss-of-coolant analysis, 24:7322
Loss of coolant from a simulated reactor loop, 21:21659
Stable numerical integration of conservation equations for hydraulic networks, 25:12793
System thermodynamics and emergency core cooling systems, 25:6085
System thermodynamics and emergency core cooling systems, 25:23315 (WAPD-T-2114)
Transient pressures generated by check-valve closure at Shippingport, 23:37418
Void fraction and residual water predictions during loss-of-coolant, 23:4287
Void fraction and residual water predictions during loss of coolant, 23:15659 (WAPD-T-2155)
MURPHY, J. J. Wedge gate vacuum valve mechanism with coated seat seal, 22:42946
MURPHY, J. O. Anharmonic oscillations of massive stars, 23:34142
Nonlinear adiabatic pulsations of massive stars, 22:47736
Nonlinear convection with free boundaries, 25:22224
Nonlinear thermal convection with free boundaries, 25:55695
Skewness of radial velocity curve of pulsating massive star, 25:24744
MURPHY, J. R. Amplification of Rayleigh waves in surface layer of variable thickness, 23:40901 (NVO-1163-175)
Amplification of seismic body waves by low-velocity surface layers, 22:14599 (NVO-1163-130)
Amplification of seismic body waves by low-velocity surface layers, 25:21225
Amplitude and frequency characteristics of elastic wave types generated by underground nuclear explosions, 24:7535 (NVO-1163-181)
Analysis of ground motion: Buggy I Event, 24:7540 (PNE-326)
Analysis of seismic peak amplitudes from underground nuclear explosions, 24:20921
Analytic models for description of observed seismic amplification effects, 24:50474 (NVO-1163-211)
Calculated compressional wave arrivals from underground nuclear detonations, 25:51654 (NVO-1163-225)
Effects of local geology on the amplitudes of seismic waves. Volume I, 24:36437 (NVO-1163-205(Vol.1))
Effects of local geology on the amplitudes of seismic waves. Volume II, 24:36438 (NVO-1163-205(Vol.2))
Effects of local geology on the amplitudes of seismic waves. Volume III, 24:39090 (NVO-1163-205(Vol.3))
Predicted San Fernando earthquake spectra: Glendale area, 25:54812 (NVO-1163-TM-30)
Predictions of seismic motion and close-in effects: Rulsion event, 23:49976 (NVO-1163-180)
Seismic interference and reciprocity for the H E row charge, 23:35355 (PNE-611)
MURPHY, James E. Field freezing of a cerium—iron alloy, 23:30048 (BM-RI-7186)
Preparation of thorium metal by vacuum distillation of electrodeposited thorium—chromium and thorium—manganese alloys, 23:29976 (BM-RI-7265)
MURPHY, James F. Computer calculations in spectrochemical analysis, 24:20685 (LA-DC-10556)
Spectrochemical determination of impurities in high-purity plutonium, 21:25771 (LA-DC-8507)
MURPHY, Jerome E. Effects of x-radiation of the head upon hearing in the rat, 21:22322
MURPHY, John J. Urinary particle dynamics and vesicoureteral reflux in the human, 24:32081
Use of /sup 99m/Tc-labeled S colloid to study particle dynamics in the urinary tract, 22:28330
MURPHY, John R. Elastic energy and magnitude determinations for underground detonations in tuff and rhyolite, 25:287 (NVO-1163-208)
Models for generating synthetic seismograms, 24:46379 (NVO-1163-217)
Seismic spectrum scaling of underground detonations, 25:286 (NVO-1163-195)
Sterling experiment, 24:9540
MURPHY, Joseph E. Massless particles with infinite spin, 24:47518
MURPHY, Joseph Erric Massless particles with infinite spin, 25:45780
MURPHY, Josephine Determination of radiosulfate in biologic fluids and tissues, 21:32098
MURPHY, K. A. Moessbauer effect in ^{232}Th, 22:53191
MURPHY, Karen M. Organic electrolyte battery, 22:27522 (SC-CR-67-2855)
MURPHY, Kenneth Isotope-powered, indwelling intracranial pressure sensor, 25:4241
MURPHY, L. Distribution of radioactive fission product nuclei in irradiated fuel specimens, 24:5599 (AERE-R-5864)
MURPHY, M. C. Properties and microstructure of 12 percent Cr—Mo—V—Nb creep-resisting steel, 22:21723
MURPHY, M. F. Measurement of relative conversion ratio and fast fission ratio in low enrichment oxide lattices, 24:4038 (AEEW-R-648)
Measurement of relative conversion ratio in particulate fuel, 25:10217
MURPHY, M. J. Hematopoietic repopulation after intestinal shielding from x-irradiation, 21:39498
MURPHY, Martin Joseph Jr. Studies on the identity of the hematopoietic precursor cell, 24:51064
MURPHY, P. Effects of gamma radiation on the forest at El Verde, 25:21928 (TID-24270, pp D.3-75)
MURPHY, P. G. Decays of K-mesons into three pions, 25:47807
Experimental utilization of NINA Booster, 23:30688 (DNPL/R-3)
$S = 0$ baryon resonances, 21:31596
Scattering of π^{-} mesons in momentum range 875 to 1579 MeV/c from polarized proton target, 22:20146
MURPHY, P. H. Thermally generated electrical currents in γ-irradiated Lucite, 25:45555
Thermoelectric currents in γ-irradiated lucite, 25:52906
MURPHY, P. M. Effect of using different safety criteria and selected safety studies for a 1000-MWe Na-cooled fast reactor, 23:47162 (ANL-7520(Pt.2), pp 345-57)
Fast breeder reactors status and prospects, 24:40905
Mixed economy of thermal and fast power reactors, 23:28385
Status of steam cooled fast reactor technology, 22:16200
MURPHY, P. W. Relative strengths of resonance lines in the Ne I and Ar I isoelectronic sequences, 22:41209
MURPHY, Paul Henry Thermally generated electrical currents in gamma-irradiated lucite, 25:13786
MURPHY, Peter G. Effects of beta radiation from simulated fallout on the reproductive potential of a dominant plant species in a natural community, 25:42718 (ORO-3299-110)
Tree growth at El Verde and effects of ionizing radiation, 25:21930 (TID-24270, pp D.141-71)
MURPHY, Peter George Ecological effects of acute beta irradiation from simulated fallout particles upon a natural plant community, 25:42320
MURPHY, Preston V. Development of a passive self-reading personnel dosimeter, 25:4376 (AD-710007)
High level passive radiation monitor: Solid Compton Recoil Electron Detector, 23:21934 (AD-675501)
MURPHY, R. Interaction of laser and electron beams with diamond surfaces, 24:25806
MURPHY, R. D. Beta—gamma directional correlation of outer group decay in ^{140}La, 23:15483
Ground state of liquid ^{4}He, 24:49081 (COO-1569-61)
Reaction ^{14}N(n,α)^{11}B at 14.1 MeV, 22:20454
Reaction ^{16}O(n,α)^{13}C at 14.1 MeV, 22:20457
MURPHY, R. V. W. Structure of hydromagnetic shock waves, 25:30528
MURPHY, Richard B. Deuterium isotope effects in the principal electronic transition of nitrobenzene and aniline, 24:22641
MURPHY, Robert E. Spectroscopic investigation of visual binaries with B-type primaries, 24:1147
MURPHY, Robert Earl Spectroscopic investigation of visual binaries with B-type primaries, 24:34987
MURPHY, Ruth Ann Satellite interference (^{13}C) with chemical shift measurements in cyclohexane—diethylamine solutions, 21:42941
MURPHY, Sheldon D. Cavity mining at Nevada test site, 24:36441 (CONF-700521-1)
Evaluation of Tuf concrete used to replace original liner at U-19e, 24:23543 (NVO-38-22)
Reinforcement of rock masses by bolting, 24:29153 (TID-25420)
MURPHY, T. A. Positron annihilation in semi-conducting indium telluride, 21:43776
MURPHY, T. J. Absolute isotopic abundance ratios of common, equal-atom, and radiogenic lead isotopic standards, 22:39994
New results in the theory of the classical electron gas, 23:36692
MURPHY, Terence M. TMV—RNA photoreactivation, 25:26653
MURPHY, Thomas J. Absolute isotopic abundance ratios and atomic weight of magnesium, 21:11971
MURPHY, Thornton C. Study of S-wave π—π interaction in K^{+}/sub e4/ decay, 22:13671
MURPHY, W. Kilogram-scale production of plutonium hexafluoride by fluorination in a fluidized bed, 22:30568
Production of plutonium hexafluoride by fluorination in a fluidized bed, 23:9387
MURPHY, W. A. Engineering development of fluid-bed fluoride volatility processes. Part 16. A safety manual for the engineering-scale alpha facility, 25:8446 (ANL-7672)
Prog. rpt. on reduction of atmospheric pollution by application of combustion, annual, 7/68—6/69, 24:29103 (ANL/ES-CEN-1001)
Prog. rpt. on reduction of atmospheric pollution by application of fluidized-bed combustion, annual, 7/69—6/70, 25:23423 (ANL/ES-CEN-1002)
MURPHY, W. F. Engineering development of fluid-bed fluoride volatility processes. XV, 23:9497 (ANL-7468)
Irradiation behavior of U—Pu—Zr fuel elements in EBR-II, 24:7186
Irradiation behaviour of plutonium alloy fuels for fast reactors, 21:33009
Irradiation effects on V—20 Ti and V—15 Ti—7.5 Cr alloys, 22:19573 (BNWL-455, Paper 3.1-8)
Performance of mixed-oxide fuel elements, 23:36280
Performance of mixed-oxide fuel elements, 25:34371
Plutonium fuels performance, 23:4236
Postirradiation examination of U—Pu—Zr fuel elements, 24:22403 (ANL-7602)
Rotational Raman spectra of HCl, DCl, and HBr in solution, 25:39499
Tube burst tests on irradiated EBR-II type 304L stainless steel fuel cladding, 22:19589
MURPHY, W. J. Influence of N, Ti, and Zr on B hardenability effect in constructional alloy steels, 22:49745
MURPHY, Walter T. Radiation therapy of skin carcinoma, 25:58068
MURPHY, William A. Lifting an object contained in a bag, 22:2338

- MURPHY, William H. Immunization of C58 mice to line I/sub b/ leukemia, 24:19300
- MURPHY, William J. Design criteria for nuclear power plants, 24:18530
- MURPHY S., Eduardo Atypical changes in thyroid follicular cells secondary to radioiodine, 24:48718
  - Fate of macroaggregates of radioalbumin in lung, 22:12794
- MURR, B. L. α-deuterium isotope effects on the solvolyses of norbornyl brosylates and synthesis of labeled norbornyl derivatives, 24:31331
  - β-deuterium isotope effects on the solvolyses of norbornyl brosylates, 24:31336
  - Detection of a secondary isotope effect on partitioning of benzhydryl benzoate ion pairs, 25:2186
  - Dissection of α-isotope effects on the solvolysis of benzhydryl benzoate, 25:2185
  - Effects of deuterium substitution on the rates of organic reactions. XI, 22:12326
  - γ-deuterium isotope effects on solvolyses of norbornyl brosylates, 21:19645
- MURR, L. E. Comparison of the substructures and properties of nickel, TD—Ni, Chromel-A, Inconel 600, and TD—NiCr following explosive-shock deformation, 25:4802
  - Field ion microscopy of graphite fibers, 25:45143
  - Grain-boundary energetics in Er_2O_3 thin foils, 22:17775
  - Structure and properties of rf-sputtered superconducting tantalum films, 24:26326
  - Study of erbium thin film oxidation in the electron microscope, 22:4737
  - Twinning of erbium oxide single crystals in the electron microscope, 23:12434
- MURR, Lawrence E. Prog. rpt. on effects of electric and magnetic fields on nucleation, structure, and residual properties of vapor deposited metal films, annual, 12/69, 24:18871 (USC-113-P-22-1)
- MURR, Sandra M. Albino mutant in Plantago insularis requiring thiamine pyrophosphate. I. Genetics, 25:52032
- MURRAY, A. Attempt to detect x-ray pulses from the Crab Nebula, 23:25054
  - Low-energy gamma rays from NP 0532, 25:9062
  - Sky scan for discrete sources of γ rays, 23:20600
- MURRAY, A. J. Spectrographic analysis response of a carrier to plutonium—uranium mixed oxides, 25:4015 (NUMEC-3524-76)
- MURRAY, Brian W. Positron annihilation in copper alloys, 24:10637
- MURRAY, C. A. Optical positions of radio sources, 23:22762
- MURRAY, C. L. Contact maintenance of radioactive equipment at the Idaho Chemical Processing Plant, 21:6112
- MURRAY, Caroline Contrasting effects of cyclophosphamide and radiation on the immune responses of the mouse, 25:29475
- MURRAY, D. K. Detection of single photo-electrons in pulse radiation detectors, 21:16161
- MURRAY, Donald E. Histopathological observation of Q-switched ruby laser radiation on dermal tattoo pigment in man, 22:47604
- MURRAY, E. L. Experimental study of collisionless shock waves, 25:38422 (CONF-710607-121)
- MURRAY, Edwina Irradiation flavor and the volatile components of beef, 22:8672
- MURRAY, G. Anomalous coupling $^7/_2{}^+$ state in ^{73}Se, 23:3971
  - Beta end-point energy for the superallowed Fermi decay ^{14}O(β^+)^{14}N, 22:39597
  - Decay of ^{75}Br, 24:43205
  - Decay of ^{73}Se, 23:32914
  - Doppler broadening of annihilation radiation, 21:18883
  - ft value of superallowed Fermi beta decay /sup 26m/Al(β^+)^{26}Mg, 23:40009
  - Low-lying positive-parity states in ^{71}Ge, 25:48110
  - Nanosecond lifetimes of excited states through neutron inelastic scattering with intense pulsed beams, 22:32728
  - Positron decay of ^{10}C and ft value of the superallowed Fermi transition ^{10}C(β^+)^{10**}B, 23:15379
  - Q-values of (p,n) reactions, 23:21283
- MURRAY, G. L. Computer facility for nuclear physics data collection and analysis, 21:24263
  - Event selector for an on-line computer, 22:2465
  - Processing efficiency of interacting data streams, 22:28245
- MURRAY, G. T. Purification by electron beam zone refinement, 23:27043
- MURRAY, H. S. Stability of coupled core reactors by the second method of Liapunov, 21:14035
- MURRAY, Hugh S. Hybrid simulation techniques in nuclear rocket propulsion program, 24:38617
  - State-variable feedback control of coupled nuclear systems, 21:17458 (LA-DC-8352)
  - Use of hybrid simulation techniques in the nuclear rocket propulsion program, 23:2083 (LA-DC-9642)
- MURRAY, I. Heat bibliography, 1966, 21:41146
- MURRAY, I. P. C. Effect of small doses of carrier I^- upon organic binding of radioactive I by the human thyroid gland, 21:22696
  - Thyroid tests in children, 25:21532
  - Use of serum thyroxine in assessment of thyroid function, 25:26857
- MURRAY, J. Differences in ^{51}Cr labeling patterns of cod, 24:34051
  - Experiments with megagauss targets at SLAC, 25:50475
  - g factor of the 603-keV level in ^{124}Te, 21:23518
  - g factor of the 633-keV level in ^{186}Os, 21:23517
  - Isomeric level in ^{235}U, 25:15077
  - Liquid scintillation counting of $^{14}CO_2$ in toluene/Triton X-100 system, 25:26180
  - Nuclear g factor of the first excited state in ^{106}Pd and the internal field on Pd in Ni, 21:25557
  - Nuclear g factors of the first excited states of ^{76}Se and ^{122}Te, 21:25497
  - Nuclear g-factor of the 356-keV level in ^{196}Pt and the internal field on mercury in iron, 22:14058
  - Perturbed angular correlations in ^{177}Hf, 22:39676
  - Statistical properties of partial radiation widths in W, 24:47610
- MURRAY, J. D. Pulsar H-line absorption and dispersion in the interstellar medium, 24:19612
  - Spin temperature of the interstellar neutral hydrogen, 24:3135
  - Spin temperature of the interstellar neutral hydrogen, 24:12613
  - Use of H I absorption to determine distance to 10 galactic radio sources, 24:51323
  - Zeeman splitting of 21-cm absorption line in Orion A, 25:38069
- MURRAY, J. E. Critical re-evaluation of immunosuppressive therapy in canine renal allografts, 22:51354
  - Sequelae of irradiation for benign conditions, 21:22561
- MURRAY, J. G. Floating ring stabilization system, 25:36188 (MATT-839)
  - Heavy current arcing switch, 23:50214
  - Inductive circuit switching, 24:24047 (LA-4250, pp DI.1.1-3)
  - Machine for adiabatic toroidal compression, 25:45506 (MATT-847)
- MURRAY, J. J. Beam safety considerations at the stanford linear accelerator center, 24:45648 (CONF-691101-, pp 782-808)
  - Design for a nonintercepting photon-beam monitor, 24:5374
  - Recent progress in the development of a microwave-gated photomultiplier: DCFEM, 21:16217 (CONF-660918-, pp 157-70)
- MURRAY, J. L. Histopathologic change of sheep livers damaged by ^{237}Np, 22:33932
  - Pressure suppression/gravity flooding containment system for metropolitan siting of large power reactors, 24:47880 (GEAP-5536)
  - Thyroid uptake of ^{131}I, 24:2556
- MURRAY, J. S. Measurement of an emission cross section for the collision reaction $H^+ + N_2(X^1\Sigma$/sub g/$^+$, $\tau = 0) \rightarrow H(3p,3d) + N_2{}^+(B^2\Sigma$/sub u/$^+$, $\tau = 0)$ using photon-coincidence techniques, 23:25146
- MURRAY, J. T. Creep in pressure vessels at elevated temperatures, 23:10315
- MURRAY, James E. Failure data from human kidney transplant registry, 24:629
- MURRAY, John G. Fuse characteristics, 25:25141 (MATT-715)
  - Ignitron switch, 22:26351 (MATT-477)
- MURRAY, Joseph E. Extrinsic laryngeal carcinoma: clinical evaluation, 22:28692
- MURRAY, Joseph J. 51 000 tau$^-$ decays, 23:46601
  - Decay parameters for $\Sigma^{+-} \rightarrow n\pi^{+-}$, 24:12931
  - Measurement of Σ^+ magnetic moment, 22:32092
  - Particle yields at Stanford Linear Accelerator Center and photon—nucleus interaction in 5 to 18-GeV region, 22:20113
  - Particle yields at the Stanford two-mile electron accelerator, 21:17230
  - Polarized photon beam for the SLAC 82-inch hydrogen bubble chamber, 23:28201
- MURRAY, K. Immunologic concepts of light reactions in lupus erythematosus and polymorphous light eruptions. I, 22:19410
- MURRAY, K. J. Ratio of capture and fission cross-sections of ^{239}Pu in energy range 100 eV to 30 keV, 25:15073
- MURRAY, K. M. Carbon-13 giant resonance and excited states of residual nuclei, 25:38897
  - Faraday cup and secondary-emission monitor calibration, 21:33817
  - Reactions (γ,pγ) and (γ,nγ) on ^{16}O, 22:26918
- MURRAY, Kenneth M. Isospin of the ^{11}B giant resonance, 24:13307
  - Isospin of the ^{11}B giant resonance, 25:5554
  - Radiation shielding at the NRL Linac facility, 21:17245
  - Reactions ^{16}O(γ,n)^{15*}O and ^{16}O(γ,p)^{15*}N and the electromagnetic decay of ^{15*}O and ^{15*}N, 24:6840
- MURRAY, Kenneth Malcolm Jr. Oxygen-16 giant resonance reactions, 24:18362
- MURRAY, M. J. Brittle-region slip systems in the transition-metal carbides, 25:52444
  - Irradiation breeding to obtain Verticillium—resistant strains of peppermint, 24:41830
  - Mechanical relaxations in polycrystalline Mo, Ta, and Ir at high temperatures and low frequencies, 22:38544
- MURRAY, M. John Production of achlorhydria by direct irradiation of stomach, 23:50873
- MURRAY, M. L. Effect of pancreatin on the absorption of ^{59}Fe in rats, 22:49244
- MURRAY, Margaret R. Deuterium oxide: direct action on sympathetic ganglia isolated in culture, 21:14630
- MURRAY, P. Analytical methods to design and predict performance of fast reactor fuel elements, 25:39251 (A/CONF.49/P-838)
  - Diagnostic value of serum total thyroxine, resin uptake, and free thyroxine index, 24:29654
  - Fast reactor fuel performance model development, 24:7134
  - Fast reactor fuel performance model development, 24:22408 (WARD-4135-3)
  - Fast reactor fuel performance model development, 24:41017
  - Plutonium ceramic fuels for fast reactors, 23:4237
  - Problems in irradiation behavior of LMFBR core materials, 24:40898 (TRG-Report-1911, pp 402-10)
  - Wetting properties of solid oxides and carbides by liquid metals, 22:23752 (AERE-M/R-1746)
- MURRAY, Peter Improvements in or relating to fuels for nuclear reactors, 21:5647
- MURRAY, R. Blood-pool scanning of the heart as a diagnostic aid, 24:6084
  - How safe are microwaves, 23:50577
- MURRAY, R. B. Prog. rpt. on radiation induced defects in alkali halides, annual, 3/67—2/68, 22:5420 (NYO-3842-1)
  - Prog. rpt. on radiation induced defects in alkali halides, and their role in recombination processes, final, 3/1/67—7/15/70, 25:19770 (NYO-3842-12)
  - Prog. rpt. on radiation-induced defects in alkali halides, annual, 3/68—2/69, 23:5452 (NYO-3842-5)
  - Recombination luminescence in NaCl, 24:35544
  - Scintillation response of NaI(Tl) to ^{4}He and ^{16}O ions, 24:44379
- MURRAY, R. C. Linear viscoelastic response of LX-07-1, 24:13717 (UCRL-50751)
  - Measuring thermal diffusivity of high explosive materials, 24:26893 (UCRL-50827)
- MURRAY, R. J. Treatment of South Alligator Valley U ores, 23:40826
  - Treatment of South Alligator Valley U ores, 24:19059
- MURRAY, R. L. Technicians, technologists, and engineers for nuclear power, 25:39131 (A/CONF.49/P-103)
- MURRAY, R. W. Integrated waste-management system with a vacuum distillation-vapor pyrolysis radioisotope-fueled water-reclamation function, 22:16745
- MURRAY, Raymond H. Commercial supersonic transportation and the patient, 23:50910
- MURRAY, Raymond L. Anisotropic scattering coefficients in the constant cross-section transport equation, 21:21381
  - Derivation of the reactor kinetics equations, 21:7932
  - Escape probability for cylinders, 25:17269
  - First-flight escape probability for bodies containing a central black region, 22:44599
  - Geometric buckling of polygonal reactors, 22:48800
  - Neutron thermalization in atomic hydrogen, 25:41174
  - Reaction rate of neutrons in a Maxwellian medium, 21:11954
- MURRAY, Richard C. Jr. Thermodynamics of lithium isotope exchange reactions. I, 23:43332
- MURRAY, Robert W. Application of radioisotopes for aerospace waste reclamation and water systems, 22:37953
- MURRAY, S. Strong x-ray source in Coma cluster observed by Uhuru, 25:43056
- MURRAY, S. F. Liquid metal bearings technology for large, high-temperature, sodium rotating machinery. Part I. Sodium bearings test facility. Part II. Screening analysis of bearing surface materials, 25:48691 (NYO-3930-13)
  - Selection and evaluation of materials for steam lubricated bearings, 22:17073 (MTI-68-TR-13)
- MURRAY, S. Frank Bearing and seal materials for liquid metal lubrication, 21:14354 (MTI-66TR66, pp 6.3.1-26)
- MURRAY, S. S. Interplanetary deceleration of solar cosmic rays, 25:33092
- MURRAY, Suzanne T. Digital computer simulation of fluid flow and heat transfer in nuclear propulsion reactors, 21:30235 (LA-DC-8174)
- MURRAY, Sylvia A. Growth of mung bean seedlings after x irradiation and shock treatment, 25:11317
- MURRAY, T. A. Low-energy S-wave π—π interaction and dibaryon enhancement, 23:49136
  - Proton—neutron quasi-elastic scattering at 991 MeV, 21:27302
- MURRAY, William E. Integration of large power systems into manned space stations, 23:38200
- MURRAY, William Edward Jr. Cesium-137 metabolism in man, 22:51311 (UR-49-999)
- MURRAY III, Arthur Evaluation of deoxycytidinuria in the subhuman primate as a radiation biodosimeter, 24:2655 (LA-4223)
- MURRELL, D. W. Close-in ground motion, earth stress, and pore pressure measurements, 22:197 (PNE-1104)
- MURRELL, J. N. Deuterium isotope effect on geminal couplings between proton and fluorine nuclei, 23:6127
  - Effect of overlap on dispersion energies near van der Waals minimum, 23:10455
  - He—He potential energy in region of van der Waals minimum, 21:33143
  - Hydrogen atom in presence of Fermi-contact interaction, 24:35166
- MURRELL, Michael David Nuclear reactor control system, 25:60054
- MURRENHOFF, A. 3-state multipurpose thermal diffusion separation cascade, 23:21890 (JUL-548-PC)
  - Liquid scintillation counting of thorium, protactinium, and neptunium, 23:625
  - Separations of low abundant rare earth isotopes, 25:44516 (BMBW-FBK-70-28, pp 203-8)
- MURRENHOFF, A. P. Counting ^{147}Pm with liquid scintillation detector, 21:276 (JUL-377-PC)
  - Determination of the specific α-activity of ^{233}U with the help of a liquid scintillation counter method, 22:1653 (JUL-491-PC)
  - Standardization of alpha-emitters by liquid—scintillation counting, 21:6199 (JUL-411-PC)
- MURRENHOFF, Alexander Absolute counting of activity of α emitters, 21:14444
- MURRI, E. L. Analysis of gross fission products using Ge(Li) spectrometers, 21:36367
  - Decay of /sup 115m/In, 21:23526
  - Decay scheme of ^{141}Ba and ^{142}Ba, 25:20415
  - Technique for assay of L-10 bottles of plutonium nitrate, 25:6519 (IN-1433)
- MURRI, Richard Neutron radiography with a sealed-tube neutron generator and graphite moderated system, 25:42027 (RFP-1706)
- MURRI, Richard L. Gamma transitions feeding the 4-msec, 13/2$^+$ level of ^{205}Pb in the decay of ^{205}Bi, 21:46760
  - Method to determine fast and thermal neutron fluxes by foil activation analysis, 25:23776 (RFP-1466)
  - Neutron radiography with a sealed-tube neutron generator and graphite moderator system, 25:51743
- MURRI, William J. Equation of state of rocks, 22:47257 (UCRL-13357)
- MURRMANN, R. P. Determination of trace elements in soils and clay minerals by resonance neutron activation analysis, 25:57375
- MURRO, O. Multi-Regge model and strange-particle production, 23:27793

πB $\rightarrow$ Brhoπ reaction in π^{+-}d interaction at 5.1 GeV/c, 25:38678
Three-body reactions in π^{+}d interactions at 5.1 and 9.0 GeV/c, 25:25449
Two-body processes and Regge-pole model, 24:15583
MURROW, J. L. Carbon adsorber fire extinguishment tests, 24:44793 (UCRL-72496)
MURROW, Jack Plugging of high efficiency filters by water spray, 25:4190 (UCRL-50923)
MURROW, Jack L. Effect of fire intrusion and heat on HEPA filter units, 21:31913 (CONF-660904-Vol.1 and 2, pp 96-105)
MURSIC, M. Inlay linings in reactor construction, 23:29044
MURT, E. M. Conference on physical measurement and analysis of thin films, New York, 11/67, 24:1486
MURTA, Clecio Campi Immunization of rats with irradiated Strongyloides larvae, 23:50825
MURTAS, G. P. Boson production at ADONE using magnetic analysis, 23:32600 (LNF-69/6)
Efficiency of a telescope with plastic counter and lead converter for disclosure of photons, 24:50547 (LNF-70/13)
Experimental test of quantum electrodynamics by 2γ annihilation at 1.4 to 2.4 GeV total energy with the $e^{+}e^{-}$ storage ring Adone, 25:45796 (LNF-71/16)
Intercalibration of Frascati quantameters with monitors of other laboratories, 22:46691
Magnetic analyzer to be used for Adone colliding beam experiments, 23:25727 (LNF-69/2)
Photodisintegration of the deuteron by polarized gamma rays, 21:19170
Photoproduction of π^{0} by polarized γ rays, 23:23324 (LNF-69/3)
Photoproduction of π^{0} on protons by polarized γ rays, 24:3497
Project of an $e^{+} + e^{-} \rightarrow \gamma + \gamma$ or $\pi^{0} + \gamma$ experiment at Adone, 21:27288 (LNF-66/56, pp 25-36)
Proton Compton effect by polarized photons at 90° in the c.m. system in the first resonance region, 23:3632
MURTAZA, G. Comparison of Veneziano amplitude with chiral dynamics for meson—meson scattering, 23:44652
Correlations between A_1 and B decays in chiral SL(8,C), 25:45744
Effective Lagrangian for nonleptonic hyperon decays with SU(3) x SU(3)-symmetry breaking, 24:24322
Gamma$\pi \rightarrow \pi\pi$ in Veneziano model and lifetime of neutral pion, 24:40314
Mass-dispersion relations and asymptotic constraints on form factors, 25:1454
Nonleptonic decays of hyperons, 21:33666
SU_6 algebra and four-pion coupling constant, 22:9584
MURTAZA, Ghulam Chiral dynamics and K/sub l4/ form factors, 24:6709
Effective Lagrangians in pion-production process $\pi N \rightarrow 2\pi N$, 24:49497
MURTAZAEVA, L. A. Electron-microscopic investigation of compensatory hypertrophied adrenal gland, totally irradiated by γ-rays of ^{60}Co, 23:8070
MURTAZIN, I. A. Isotope effect for the diffusion of interstitial atoms, 25:34571 (ANL-Trans-882)
Isotope effect in diffusion of interstitial atoms, 25:44366
MURTAZINA, T. M. Isotopic composition of lead in galena from some deposits of middle Asia, 21:8435
MURTHA, M. J. Bibliography for growth of multi-element single crystals of metals and metalloids, 24:23436 (IS-2184)
MURTHA, Marlyn Growing nickel single crystals by pulling from a melt, 22:6937 (IS-1703)
MURTHA, Marlyn Jerome Measurement of turbulent diffusion at short observation times using spin—echo NMR, 24:38665 (IS-T-386)
MURTHY, A. S. Ananda Paramagnetic resonance in gamma-irradiated rongalite, 22:2123
MURTHY, A. S. Venkatesha Purity of nuclear collective excitation spectra of even nuclei, 22:24901
MURTHY, B. K. S. Various survey instruments locally developed for radiation protection work, 23:47776
MURTHY, B. N. Franck—Condon factors and the r centroids of the Y oxide ($B^2\Sigma—X^2\Sigma$) band system, 21:18419
MURTHY, C. S. Dissociation equilibrium of some diatomic molecules in delta Cephei, 25:58479
MURTHY, D. N. Geometry of lines of force in pseudostationary hydromagnetic fluid flows, 25:38199
MURTHY, D. S. R. Diurnal variation of cosmic rays during the decline period of solar activity, 21:3718
Incoherent scattering of gamma rays by K-shell electrons of Pt, 25:14410
Inelastic scattering of gamma rays by K shell electrons, 25:49753
MURTHY, G. K. Elimination of a flavor defect in milk treated for ^{131}I removal by ion exchange, 23:8015
Iodine-131 in foods, 22:504
Preparation of products from milk treated with cationic resin, 23:26332
Radionuclides in milk, 21:12849
Removing radioactive I and Sr from milk by ion exchange, 22:48913
Rubidium-87 concentration in market milk, 22:10378
MURTHY, G. T. Search for high-energy gamma rays from four pulsars, 24:21473
Search for high-energy gamma rays from pulsars, 25:35705
MURTHY, Gudi Sathya Radiolysis of aqueous solutions of sodium thiosulfate and of solid dithionates, 22:25436
MURTHY, K. B. S. BF_3 annular counter, 24:11762 (BARC-440)
Counter for fast neutron dosimetry, 21:17899
Design of proton recoil counters with multiple radiators, 22:45274 (BARC-330)
Recoil proton counter for neutron flux measurement, 21:45422
MURTHY, K. R. N. Thermoluminescence of x-ray-irradiated KBr and KBr:Cu crystals, 25:56323
MURTHY, K. S. Lifetimes of the excited states in ^{75}As, ^{121}Sb, ^{147}Pm, and ^{199}Hg, 24:15837
MURTHY, K. S. N. Decay of ^{186}Ta, 23:19281
Decay of the 18.8-min /sup 126m/Sb, 23:19280
Half-lives of the excited states of ^{37}Cl, ^{38}A, ^{41}K, ^{88}Sr, ^{131}Xe, and ^{186}Os, 24:15836
MURTHY, M. Isobaric analogue states in nuclei of mass 18 and 19, 24:6957
MURTHY, M. J. Kesava Sporadic E layer over Tirupati, 23:39366
MURTHY, M. R. L. N. Polarized neutron spectrometer, 21:14429 (CONF-660221-, pp 366-70)
Polarized neutron spectrometer for magnetic scattering studies, 25:418
MURTHY, M. S. 60° sector mass spectrometer for gas analysis, 25:57890
MURTHY, M. S. S. Shape and average energy of beta-particle spectra, 25:36841
MURTHY, Meera Isobaric analogue states in nuclei, 24:13413
MURTHY, N. S. Franck—Condon factors and the r centroids of the Y oxide ($B^2\Sigma—X^2\Sigma$) band system, 21:18419
MURTHY, N. S. Satya Measurement of exchange integrals by neutron scattering, 23:36796
Model for neutron scattering from short-range ordered paramagnets, 23:42450
Neutron scattering as a tool in the study of magnetic materials, 24:51815 (CONF-690916-(Vol.1), pp 98-103)
Neutron scattering from paramagnetic chromium halides, 22:13604
Neutron scattering from short-range-ordered paramagnets, 23:17055
Paramagnetic scattering of neutrons in chromium tribromide, 22:26463
Polarized neutron spectrometer, 21:14429 (CONF-660221-, pp 366-70)
Polarized neutron spectrometer for magnetic scattering studies, 25:418
Prog. rpt. on nuclear physics, annual, 1969—70, 25:10017 (BARC-501)
MURTHY, P. Radhakrishna Pyridine-2-aldoxime: a new complexing agent for thorium, 21:3054
MURTHY, P. Sreerama Spectrographic determination of Ru in silicious materials used in radioactive waste disposal, 25:8196 (BARC-504)
MURTHY, P. V. R. Search for high-energy gamma rays from four pulsars, 24:21473
MURTHY, P. V. Ramana Multiparticle production at cosmic ray energies, 24:24207 (ANL/HEP-6909, pp 3-36)
New production processes for approximately 10^{12} eV muons, 23:3694
Search for high-energy gamma rays from pulsars, 25:35705
Search for tachyons in the cosmic radiation, 25:36378
MURTHY, S. Narasimha Guiding center of a charged particle in superposed heliotron and biconical cusp fields, 25:14330
Stability of cylindrical plasma in presence of monotonic field. II, 25:14346
MURTHY, S. R. S. Angular distribution of prompt-γ rays in spontaneous fission of ^{252}Cf, 22:32635
Correlated emission of K x-rays from ^{252}C fission fragments, 25:50776
K x-ray yields from ^{235}U fragments, 25:15027
K x-ray yields of fragments of specified nuclear charges, 24:15888
Semiconductor x-ray spectrometer, 24:14256
MURTHY, T. G. Krishna Medical applications of radiation and their safety aspects, 23:31804
MURTHY, T. K. S. Study of some phenyl phosphoric acids for extraction of uranium from phosphoric acid, 25:23682
MURTHY, T. S. Improved method for production of ^{131}I from pile irradiated tellurium, 22:10289
Separation of ^{131}I from neutron irradiated Te using hydrogen peroxide, 24:50445 (CONF-690916-(Vol.2), pp 109-11)
Separation of ^{137}Cs from fission product solution using phospho tungstic acid, 24:50444 (CONF-690916-(Vol.2), pp 102-8)
MURTHY, Tantrauahi Suryanarayana Furnace for the production of radioactive iodine, 21:12480
MURTHY, V. Radhakrishna Fractional intensities in decay of ^{177}Lu and ^{186}Re, 21:15564 (CONF-660221-, pp 247-50)
MURTHY, V. Rama Early chemical history of Earth, 25:40338
Rubidium—Sr age and elemental and isotopic abundances of some trace elements in lunar samples, 24:21524
Strontium isotopes in ocean water and marine sediments, 23:2432
MURTHY, Y. S. Acetic acid as eluting agent for Pu(IV), 23:376
MURTI, Y. V. G. S. Thermoluminescence of x-ray-irradiated KBr and KBr:Cu crystals, 25:56323
MURTY, Ch. Satyanarayana N—h profiles for the ionosphere over Hyderabad, 22:5219
MURTY, D. R. K. Retention of /sup 113m/In—^{59}Fe-ferric hydroxide in the mouse, 25:13486
MURTY, D. S. Decay of /sup 114m/In with a sum-peak-coincidence scintillation spectrometer, 24:47647
Transitions in ^{97}Nb from decay of ^{97}Zr, 25:48095
MURTY, D. S. R. Inelastic scattering of gamma rays by K shell electrons, 24:15129
MURTY, G. S. Evidence for diffusional creep with low strain rate sensitivity, 22:23790
Superplasticity, 23:3061
Viscous effects in the liquid conductor model of hard-core pinch, 21:9372
Viscous effects in the liquid conductor model of hard-core pinch, 22:19978
MURTY, G. T. High energy nuclear active particles in extensive air showers, 25:5275
MURTY, Gollapudi Effect of initial dislocation density on single slip strain hardening of copper, 22:659 (UCRL-17774)
MURTY, Hari S. Liquid scintillation counting of ^{14}C-labeled hemin, 24:4238
MURTY, K. Narasimha Effective atomic numbers for gamma-ray interactions in alloys, 24:49244
MURTY, K. S. Uptake of fertilizer P by rice as determined by ^{32}P, 21:41356
MURTY, K. S. N. Decay of ^{186}Ta to levels in ^{186}W, 24:38253
Decay of /sup 126m/Sb and the energy levels of ^{126}Te, 25:5693
Decay of 6 min ^{152}Pm, 25:50782
High-resolution spectroscopy of /sup 84m/Rb and /sup 86m/Rb, 24:22109
MURTY, Korukonda Linga High pressure—high temperature study of spin lattice relaxation in pure and doped LiBr single crystals, 25:37199 (NYO-2504-74)
MURTY, M. Sriramachandra Effective atomic numbers for coherent scattering process of gamma rays in alloys, 25:14405
Pair cross sections of gamma rays, 25:33395
MURTY, Narasimha K. Internal bremsstrahlung from ^{51}Cr, 22:35255
MURTY, P. Sreerama Spectrographic analysis of high purity europium oxide, 25:37262 (BARC-532)
Spectrographic determination of Pb and Te in Bi—Pb and Bi—Te alloys, 25:37263 (BARC-533)
MURTY, S. S. Interference between neutral kaons and their mass difference, 22:46320
Interference effects of neutral kaons and sign of their mass difference, 21:44256 (UCSD-10-P-10-102)
Sign of the mass difference of neutral kaons, 21:46469 (UCSD-10-P-10-104)
Test of the $\Delta S = \Delta Q$ rule in $K^{0} \rightarrow \pi e \nu$ decay, 23:21047
MURTY, S. S. R. Electron temperature distribution across a shock wave in a partially ionized gas, 23:44428
MURTY, Susarla Suryanarayana Magnitude and sign of $K_1^{0}—K_2^{0}$ mass difference, 22:37073
Magnitude and sign of the K_1^{0}-K_2^{0} mass difference, 21:46468 (UCSD-10-P-10-103)
MURTY, V. R. Sum-peak coincidence studies of ^{175}Yb and ^{177}Lu, 23:28311
MURTY, V. Radhakrishna Cascade relations in the decay of ^{131}Ba, 21:44728
Decay schemes of ^{161}Tb and ^{103}Ru, 25:5714
Radioactive decay of ^{186}Re, 21:21533
Radioactive decay of ^{199}Au, 25:5698
Sum coincidence studies of the decay schemes of ^{183}Ta and ^{131}Ba, 21:15563 (CONF-660221-, pp 243-6)
Sum-coincidence studies in decay of ^{183}Ta, 22:18245
MURTY, V. S. ESR absorption of x-irradiated $NaClO_3$ crystal, 25:43451
MURUGAIYAN, P. N-benzoyl-N-phenylhydroxylamine as a colorimetric reagent for Ce, 24:7
Separation scheme for determination of alkali metals (K, Rb, Cs), alkaline earths (Sr, Ba), and rare earths (Ce, Nd, Sm, Eu) in silicate materials by isotopic dilution analysis, 23:2213
MURUGESU, S. Two-nucleon density functions and correlation functions, 25:3733
MURUYAMA, Y. Changes in spleen cell radiosensitivity, 22:28392
MURYN, B. Decay distributions of resonances, 25:5375 (TPJU-15/70)
Elastic and inelastic charge exchange processes in the quark model, 22:3419
Statistical tensors for spin two mesons, 24:10754
Systematics of relations following from quark model. IV, 22:44382
Violation of a quark model sum rule in photoproduction, 22:22363
MURYN, M. Double resonance production at high energies: correlations between the decay distributions of resonances in the quark model, 21:21234
MURZA, L. I. Magnetic spectrometer of missing masses, 25:39757 (ITEF-808)
MURZAGALIEV, G. Zh. General formulation of the vector field equations, 23:23310
MURZENKO, D. I. X ray effects on peripheral blood, 22:45698
MURZIN, A. V. Gamma ray spectrum from the reaction $^{57}Fe(n,\gamma)^{58}Fe$, 22:1620
Gamma-ray spectra resulting from capture of thermal neutrons by ^{64} ^{66} ^{67} ^{68}Zn nuclei, 24:38160
Stabilization of the scintillation spectrometer by means of a multichannel amplitude analyzer, 22:6625
Stabilized spectrometer with a Ge(Li) detector, 25:48960
Thermal neutron capture γ-ray spectra for ^{70}Ge, ^{72}Ge, ^{74}Ge, 24:38190
MURZIN, V. S. Absorption of nuclear component energy flux in iron, 22:2823
Angular distribution of secondary particles in showers, 22:13270
Certain singularities of pion and nucleon interactions with nuclei, 22:2825
Characteristics of pion and nucleon interactions with various nuclei, 24:21928
Cosmic rays and their interactions, 22:34847
Cosmic rays and their interactions, 24:51465 (N-70-29867)
Interaction of cosmic pions with graphite nuclei, 23:32633
Nature of nuclear-active particles at the mountain altitude, 21:20800
Passage of cosmic radiation through the atmosphere, 22:21934
Physics of cosmic rays, 24:39903
Principles and application of the ionization calorimeter, 22:6650
MURZIN, V. V. Effect of local heterogeneities of magnetic fields on pulsation of edges of electron beams, 25:3524
Reversible magnetic focusing of electron beams, 23:49285

- MURZINA, E. A. High-energy nuclear active particles and extensive air showers at sea level, 22:13274
- MURZINA, L. D. Change in the functional state of erythropoiesis during prolonged fractionated irradiation, 25:27015
- MUS, K. F. Sensitivity of a quantometer at energies from 0.6 to 1.5 GeV, 23:33482
- MUSA, G. Influence of the added noble gas on the analytical correlation of cesium thermionic diode parameters, 21:27040
  - Investigation on the thermionic detection of photoionization spectra of cesium vapors, 21:9318
  - Optimum added noble gas pressure in cesium thermionic diodes, 22:31680
  - Use of photoionization in direct electrical power generation, 21:23044
- MUSA, Geavit Conference on phenomena in ionized gases, Bucharest, 9/69, 24:8426
- MUSA, M. Radial shape of isospin potential, 25:45974
- MUSA, Md. Fluctuations in total cross section of Fe for 1- to 2-MeV neutrons, 25:53702
- MUSABAEVA, L. I. Comparative study of three fractionation methods in cobalt therapy of advanced forms of esophagus cancer, 24:34554
  - Effects of radiotherapy of cancer of the esophagus on the cardiovascular system, 23:29702
- MUSABEKOV, D. T. ACTH in prophylaxis of acute radiation disease, 24:12117
- MUSACCHIA, X. J. Comparative aspects of radioresistance with depressed metabolism, 24:27702
  - Conference on depressed metabolism, Washington, D. C., 8/68, 24:27521
  - Effect of body temperature and postirradiation cold exposure of radiation response, 24:9934
  - Hypothermia, radiation, and immune response, 24:25420
  - Intestinal enzyme activities following whole-body irradiation in hamsters, 25:42301
  - Radiation sensitivity of the hibernating ground squirrell, Citellus tridecemlineatus, 21:26613
  - Radioresistance in hamsters during hypothermic depressed metabolism induced with helium and low temperatures, 25:37888
  - Survival of whole-body-irradiated hibernating and active ground squirrels; Citellus tridecemlineatus, 22:19367
  - Synergistic effects of heat exposure and ionizing irradiation, 23:16393
- MUSAELYAN, M. S. Relation between the cytogenetic effect of gamma-rays and the stage of development of the irradiated object, 22:21471
- MUSAELYAN, R. M. Application of germanium radiation counter to measurement γ-radiation from inelastic neutron scattering, 22:10553
  - Determination of N in pure Nb by neutron activation at 14 MeV, 22:6283
  - Determination of oxygen in molybdenum by activation with fast neutrons, 21:10292
  - Inelastic neutron scattering by even-N Ge isotopes, 25:31244
  - Measuring the excitation function for inelastic neutron scattering, 23:42974
  - System for measuring spectra and energy dependence in nuclear reactions, 23:41055
- MUSAEV, R. S. Fusibility diagram of Ti—Zr—Cr system, 21:36868
  - Investigation of ternary system Ti—Zr—Cr, 24:10103
  - Isothermal section of system Tr—Zr—Cr, 24:2956
  - Structural diagram of Zr—Cr system, 22:38575
- MUSAEV, U. N. Products of radiative graft of copolymerization of cellulose acetate and polymethacrylic acid, 23:24248
  - Radiation grafting of acrylonitrile vapor to synthetic chlorinated fiber, 22:42759
  - Radiation-initiated polymerization of monomers derived from anabasine, piperdine, and their derivatives, 25:48531
- MUSAEVA, S. M. Influence of ^{60}Co γ irradiation of cotton seeds on content of phospholypids, 23:5054
- MUSAGALEVA, G. M. Effects of γ radiation on content of adrenalin and noradrenalin in rats, 24:7994
- MUSAGALIEVA, G. M. Radiosensitivity of different cell fractions of adrenal medulla, 24:34130
- MUSAGELIEVA, G. M. Biogenic amines in tissues of animals with different degrees of radiosensitivity, 23:17920
- MUSAJO, L. ^{60}Co gamma-ray effect on mouse Ehrlich ascites tumour cells in the presence of some coumarin derivatives, 25:4565
  - Biological consequences of the photobinding of furocoumarin molecules with nucleic acids, 24:48406
  - Mechanism of action of the skin-photosensitizing furocoumarins, 22:529
  - Photochemical interaction between skin-photosensitizing furocoumarins and DNA, 22:25917
  - Photoreactions at 3655 A between pyrimidine bases and skin-photosensitizing furocoumarins, 22:16995
  - Photoreactions linking furocoumarins with pyrimidine bases, 23:2791
  - Reactions of photocycloaddition to DNA and their biological interest, 21:41372
  - Skin-photosensitizing furocoumarins, 22:4578
- MUSAJO, Luigi Effect of gamma rays on Ehrlich ascite tumor cells of the mouse in presence of furocourmarin derivatives, 24:46654
- MUSAKHANOV, M. $K^* \to K\gamma$ decay and radiative corrections to the K-meson β decay, 23:27773
- MUSAKHANOV, M. M. Low-energy Adler—Dothan theorem and decays $\pi(K) \to \pi e\nu\gamma$, $\pi(K) \to e^+e^-e\nu$, 25:25385
  - Meson photoproduction by polarized gamma rays and Primakoff effect, 22:39317 (JINR-P2-3845)
  - Meson photoproduction by polarized photons and Primakoff effect, 23:7115
  - Nucleon Compton-effect and sum rules for dipole nucleon momentum, 25:30776 (JINR-P2-5679)
- MUSAKIN, A. P. Radiochromatographic method for analysis of aliphatic acids C_1—C_4 and isomeric decanes labeled with ^{14}C, 25:20934
- MUSAL, Henry M. Jr. Electrostatic probe and electronic circuit for low-temperature plasma measurements, 24:30320
- MUSARRA, Joseph S. System for computer processing of radiopharmaceutical disbursement information, 25:19050
- MUSART, R. Analog memory device for multiparameter analysis, 23:33550 (CEA-CONF-1234)
- MUSATOV, L. S. Experimental studies of plasma in near lunar space, 21:37322
  - Indications of lunar intersection of the tail of earth's magnetosphere according to data from charged particle traps on the first artificial lunar satellite, 21:11494 (JPRS-38796)
  - Indications that the moon traverses the Earth's magnetosphere tail, 21:20869
  - Interplanetary plasma disturbances near Venus determined from Venera-4 and Venera-6 data, 25:22407
  - Observations of lunar ionosphere with first artificial lunar satellite, 21:20868
  - Simultaneous measurements of solar wind on satellites Venera-3 and Pioneer-6, 21:41908
  - Solar wind observations by Venus-3 space probe, 21:39881
- MUSATOVA, G. S. Thermoelectron emission and divergence of the plasma formed under the effects of a focused monopulsed laser beam on a solid target, 22:46186
- MUSCALU, S. Calculating the contributions of the first two diagrams to the reaction amplitude for three bodies, 25:20027
- MUSCETTOLA, G. Protection from sources of ionizing radiation in a radiological service, 24:29755
- MUSCETTOLA, M. Digital approach for transfer function computation, 24:4149 (CISE-R-120)
  - Dynamic simulation of steam drum, steam pipes from drum to turbine and steam turbine, 24:2371 (CISE-R-121)
  - MATRA: digital program to study hydrodynamic conditions in a boiling channel, 24:9095
  - ONESTO: digital code to calculate steady state hydrodynamic parameters in a boiling channel, 24:2375 (CISE-R-161)
  - ONESTO: digital code to calculate steady state hydrodynamic parameters in a boiling channel, 24:5786 (CISE-R-119)
  - Thermodynamic properties of saturated steam and water as function of pressure, 23:11718
- MUSCH, K. Radiosensitivity of proteolytic enzymes of fish tissues, 24:6011
- MUSCHEL, L. H. Antibodies to x-irradiated rabbit testes, 21:12968
- MUSCHLER, W. Complex refractive index of plasma for appearance of reflected waves, 24:32871
  - Electron concentration and electron collision frequency in homogeneous isotropic or slowly changing plasma, 24:19814
  - Simultaneous determination of electron concentration and electron collision frequency in a locally slowly varying magnetoplasma, 25:14315
- MUSCHLITZ, E. E. Jr. Excitation of the metastable states of helium by electron impact, 21:9337
  - Hydrogen atom scattering: velocity dependence of total cross section for scattering from rare gases, hydrogen, and hydrocarbons, 21:18424
  - Ionization of CH_4 and CD_4 on impact of 2 ^{3}S and 2 ^{1}S helium atoms, 22:45934
  - Ionization of hydrogen, hydrogen deuteride, and deuterium on impact of metastable helium atoms, 23:10451
  - Metastable atoms and molecules, 22:15373
  - Semi-empirical model for Penning and associative ionization, 25:30298
- MUSCHMOV, D. Use of radioisotope nephrography as test for recovery of renal function after acute renal failure, 24:34519
- MUSCI, M. Moessbauer studies of Alni alloy, 22:41660
- MUSCO, A. Analysis of propagation and perturbation of absorption and fission in multiplying lattice, 23:26122 (RT/FI-(68)41)
  - Control rod reactivity measurements with rod-drop method, 23:13574 (ORNL-tr-2084)
  - Digital correlation analysis of oscillation measurements, 22:22826 (RT/FI-(67)26)
  - Measure of reactivity of the control rods by rod-drop technique, 23:2074 (RT/FI-(68)24)
- MUSE, Lowell Protactinium in deep sea sediments, 21:8483
- MUSEL, Josef Chemical analysis of zirconium alloys, 25:44334
- MUSELER, W. J. Heavy water organic cooled reactor pressure tube assembly, 21:34139
- MUSELER, W. J. Oslick, H. Design and development of the HWOCR pressure-tube assembly, 21:7934
- MUSEN, L. G. Design features of Mound Laboratory's Medical Decontamination facility, 25:54963 (CONF-710401-, pp 311-15)
- MUSER, A. Data acquisition and processing by IBM 1800 system, 23:47898
  - ESTER system for running of several on-line multiparametric experiments, 23:41116 (EUR-4289, pp 307-12)
  - Sampling for simultaneous analysis of events X, Y, and XY, 23:47899
  - Simultaneous analysis of correlated XY events and single X and Y events by sampling, 22:43088
  - System for visualization of spectra using a small wired-program computer connected to the memory of a large computer, 25:472
  - Visualization and display of spectra registered in IBM 1800, 23:47900
- MUSER, C. J. Economical fabrication of king-size structures, 23:14308
- MUSER, W. H. State of helium technology for high temperature reactors, 25:57040
- MUSETTE, M. Application to impact parameter formalism to π—p elastic scattering at high energy, 22:24663
- MUSGRAVE, Alan Radioactive gibberellin A_5 and its metabolism in dwarf peas, 24:23059
- MUSGRAVE, B. anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:15471
  - anti pp elastic scattering in momentum range 1.24 to 1.62 GeV/c, 24:49317
  - Automatic scanning and measurement of bubble chamber film on POLLY II, 24:39352
  - Automatic scanning and measurement of bubble chamber film on POLLY II, 25:6571 (MIT-2098-660, pp 191-220)
  - Automatic scanning and measurement of bubble chamber film on Polly II, 25:13254 (CERN-70-21(Vol.1), pp 325-55)
  - Coherent production of $K^-\pi^+\pi^-$ system in K^-—d interactions at 5.5 GeV/c, 24:18089
  - $K^-\pi^-$ scattering using reaction $K^-d \to K^-\pi^-pp$, 24:42882
  - N anti N elastic and charge exchange scattering, 23:13028 (ANL/HEP-6812, pp 147-97)
  - POLLY I: operator-assisted bubble chamber film measuring system, 23:16154 (CONF-680628-, pp 72-103)
  - POLY I: operator-assisted bubble chamber film measuring system, 22:47381
  - Production of a $Y^*_1(1700)$ in K^-p collisions at 6 GeV/c, 21:25246
  - Production of strange particles in π^+p interactions at 5.5 GeV/c, 25:3279
  - Sigma hyperon production in 2- and 3-body final states, 22:17868
  - Study of structure in antiproton—proton total cross section near 1.3 GeV/c, 22:26560
- MUSGRAVE, B. C. Chemical development for EBR-II fuel process, 1967—69, 24:31440 (IN-1285)
  - Clarification of electrolytic dissolver solution using a hydrocyclone, 23:28949 (IN-1276)
  - Electrolytic behavior of nuclear fuel cladding alloys, 25:16438 (IN-1295)
  - Factors influencing the rate of silica gel formation in high acid-salt solutions, 23:17514 (IN-1270)
  - Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report IX. Second report on uranyl nitrate, 24:46459 (TID-25510)
  - Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report VIII. First report on uranium oxide, 24:48248 (TID-25522)
  - Qualification of umpire laboratories for the analysis of uranium and plutonium materials. Report X. Second report on uranium hexafluoride, 24:48249 (TID-25524)
  - Tritium content of atmospheric methane and ethane, 22:16715
- MUSGRAVE, Burdon C. Prog. rpt. on analysis of atmospheric samples, 8/65—10/66, 21:12286 (ORO-3192-6)
- MUSGRAVE, John R. Purification and crystallization of B, 21:26877 (TID-23704)
- MUSGRAVE, L. E. Plutonium ignition in inert atmospheres, 25:54946 (CONF-710401-, pp 106-17)
  - X-ray study of the mercury—indium alloy system, 24:10110
- MUSGRAVE, Larry E. Adsorption on Pu. II, 24:36898 (RFP-1457)
  - Effect of water vapor, reduced oxygen concentrations, and solvent vapors on plutonium ignition, 25:16442 (RFP-1566)
- MUSGROVE, A. R de L. Energy balance at scission point of ^{236}U, 24:28764 (AAEC/TM-528)
- MUSGROVE, A. R. Method of correction for unresolved levels in fissile nuclei, 21:15584
- MUSGROVE, A. R. de L. Energy dependence of radiative strength function, 23:11041 (AAEC/TM-467)
  - Interpolative formulae for average nuclear level spacing and total radiation width, 25:25703 (AAEC/E-211)
  - keV neutron capture in Zn, 25:41201 (AAEC/TM-573)
  - Resonance parameters for measured keV neutron capture cross sections, 23:32905 (AAEC/E-198)
  - Resonance parameters for measured keV neutron capture cross sections, 25:14979 (AAEC/E-198(Suppl.1))
  - Statistical estimation of average resonance spacing in even-A and odd-A nuclei, 24:15946 (AAEC/TM-515)
  - Statistics of thermal neutron cross sections, 23:13186
  - Trajectory calculations for α-particle-accompanied spontaneous fission, 25:39034
  - Unresolved resonances in neutron spectroscopy, 23:7356
- MUSGROVE, A. R. deL. Nuclear level densities in intermediate and heavy nuclei, 22:1712
  - Resonance parameters for ^{233}U, 22:7708
- MUSGROVE, Peter J. Power without pollution, 24:28149
- MUSGROVE, W. S. Radiobiological evaluation of combined stress, 21:9004
- MUSGROVE, William S. Urinary phosphate response as a brodosimeter, 21:6537
- MUSHA, Kiyoshi Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
- MUSHA, Soichiro Determination of Sr by atomic absorption spectrophotometry, 25:15497
- MUSHER, J. I. Hartree—Fock problem, 25:9247
  - Hydrogen-atom polarizability as Hartree—Fock perturbation expansion, 23:10456
  - Spatial eigenfunctions of the spin-independent many-electron Hamiltonian, 25:58791
  - Theory of weak atomic and molecular interactions, 22:5072
- MUSHER, Jeremy I. Accurate atomic and molecular wave functions without exchange, 22:47811
  - Electric polarizability of molecular hydrogen as calculated by use of the nonsymmetrical wave function, 25:4949
  - Hartree—Fock theory of atomic properties, 21:9335
  - Orbital approximation to spatial eigenfunctions of many-electron Hamiltonian, 23:39339
  - Perturbation—theoretic approach to atoms and molecules, 22:41365

Z-expansion of atomic properties, 24:39882
MUSHIAKE, Y. Measurement of the phase constant along a conducting wire in a magnetoplasma, 25:11935
  Propagation of electromagnetic pulse with Gaussian envelope in inhomogeneous ionized media, 24:3242
MUSHIAKE, Yasuoto Impedance of an antenna in anisotropic plasma, 23:18637
MUSHINA, L. N. Determination of the absorption capacity of small intestine by radioindication, 21:10956
  Radiosensitivity of neoplastic thymoma, 21:20244
MUSHINSKII, A. A. Experimental determination of the electron concentration and temperature of an argon plasma jet by means of lasers, 25:58987
MUSHKACHEVA, G. S. Biochemical changes in the lungs of rabbits after inhalation of plutonium, 23:4869
  Change in composition of rat blood as affected by ^{237}Np, 25:13346
  Effect of inhalation of plutonium on blood, 23:48208
MUSHMOV, D. D. Nephrography with aid of ^{51}Cr-EDTA and ^{58}Co-DTPA, 25:29577
MUSHOVIC, J. N. Precipitation hardening of Mg—Th—Zr alloy, 21:39620 (RPI-3719-2)
  Precipitation processes in a Mg—Th—Zr alloy, 23:41660
MUSHOVIC, John N. Dendrite growth in supercooled metals, 21:45933 (RPI-3004-5)
MUSHOVIC, John Newton Jr. Precipitation hardening and dispersion strengthening in magnesium base alloys, 22:41070
MUSHRAN, S. P. Complexometric determination of Th(IV) with 4-(2-pyridylazo)resorcinol, alizarin 3-sulfonate and sulfohydroxy dimethyl fuchsone dicarboxylic acid as indicators, 21:5786
  Photometric determination of U with Eriochrome Cyanine R and Pyrogallol Red as chromogenic reagents, 24:41192
MUSIAL, Eugeniusz Search for radioprotective agents. XXII, 25:32445
MUSIALCWICZ, T. Personnel film monitoring and evaluation of exposure to ionizing radiation of monitored persons, 22:49126 (CLOR-68)
MUSIALOWICZ, T. Estimation of optical density equivalent doses for thermal neutrons and gamma radiation, 25:15950 (CLOR/IBJ-78)
  Exposure evaluation of personnel dealing with clinical radium applicators, 23:33704 (CLOR/IO-70)
  Film-badges filter combinations for measurement of x and γ radiation above 75 keV, 21:10678 (CLOR-51/D)
  Ionizing radiation measurements by using wide-range monitoring films, 21:3316 (CLOR-FOTON-53)
  New trends in the international recommendations in the establishing of maximal doses of ionizing radiation, 22:28471
  Personnel film monitoring in Poland in years 1963—65, 21:20165 (CLOR-58/D)
  Personnel film monitoring in Poland, 21:26455
  Personnel film monitoring of fast neutrons in Central Laboratory for Radiological Protection, 25:15949 (CLOR-80/D)
  Practical application of MPC values, 21:28497
  Radiation exposure of personnel handling radium applicators, 21:28486
  Radium dose film dosimetry, 24:7657
  X and gamma thermoluminescent dosimeter for accidental personnel dosimetry purposes, 25:26516 (CLOR-82/D)
MUSIALOWICZ, Tadeusz Changes in the maximum permissible doses of ionization radiation in the light of the latest recommendations of the ICRP (International Commission on Radiological Protection), 21:24440
  Personnel film monitoring in Poland: organization, method, results, 23:12113
MUSIC, J. Ion—acoustic waves generated by means of ECR, 24:35502
MUSICH, J. R. Separation of uranium from its fission products by combined ion exchange-solvent extraction, 22:21152 (ANL-7401)
MUSICK, C. R. Results of analog computer studies on the transient behavior of the HWOCR with a positive power coefficient, 21:7919
  Transient behavior of HWOCR with positive power coefficient, 22:14174
MUSIENKO, L. F. Radiation-induced polymerization of n-phenylmaleimide purified by zone melting, 25:31959
MUSIEROWICZ, Andrzej Ileocystoplasty in the treatment of late postirradiation bladder injury, 22:49434
MUSIIKO, A. S. Use of ionizing radiation in corn breeding, 23:2979
MUSIIKO, V. A. Aldolase acidity in rat liver in case of total x irradiation, 25:44945
  Similarities and differences in the biochemical effects of radiation and radiomimetics, 22:49239
MUSIIKO, V. O. Changes in aldolase activity by x-rays and embytol effect, 23:6372
MUSIK, H. Development of fluidic systems for nuclear plant control, 23:11918
  Fast acting drive-mechanism for SORA safety rods, 24:50199
  Reliability assessment of a novel liquid rod shut-down system, 25:6037 (RISO-214, pp 57-70)
MUSIKAS, C. Neptunium(V) peroxide, 24:48100
  Oxidation potential of Bk(III)—(IV) couple in various media, 22:30516
  Plutonium(V) peroxide, 25:57400
  Possible existence of divalent americium in acetonitrile medium, 23:47450
  Processing of highly irradiated Al—Pu alloy, 24:14030
  Some properties of hexavalent uranium in alkaline medium, 23:33201
MUSIKAS, Claude Electroreduction of pentavalent Pa, 21:45 (CEA-R-3023)
  Fluoride complexes of hexavalent neptunium, 23:26211 (CEA-CONF-1266)
  Method of decontamination, 24:11683
  Separation of lanthanide group or transplutonium group, 25:251
MUSIKHIN, V. I. Electrical properties of liquid V_2O_5, 25:42969
MUSIL, F. J. Detailed derivations of equations used in the likelihood ratio method for the precise and accurate determination of lattice parameters for cubic materials, 25:20856 (GAT-T-999)
MUSIL, J. Characteristics of a reflex discharge in hydrogen in a magnetic field, 22:11421
  Demonstration of bone lesions using ^{85}Sr, 23:38451
  Effect of multiple reflections on the accuracy of microwave—interferometer measurements of the plasma—electron density, 22:3018 (IPPCZ-70)
  Generation of the second harmonic in inhomogeneous magnetoactive plasma, 25:25177
  Linear transformation of waves in magnetoactive plasma, 24:35497
  Magnetoactive plasma generated by high microwave power, 24:21774
  Penetration of a strong electromagnetic wave in an inhomogeneous plasma, 25:40714
  Plasma lenses, 22:10640
  Propagation of right-hand and left-hand circularly polarized waves in a magnetoactive plasma in the neighborhood of cyclotron frequencies, 22:3045 (IPPCZ-74)
  Properties of antennas focused in the Fresnel zone, 22:216
  Properties of plasma generated by microwave power in a circular waveguide, 23:42331
  Reflection of electromagnetic waves on plasma layer, 23:51722
MUSIL, Jan Electromagnetic field and living organisms, 24:17134
MUSIL, Jindrich Accuracy of microwave-interferometer measurements of plasma electron density, 22:19953
  Measurement of the mean electron density in a plasma cylinder, 22:19954
MUSILEK, F. Ten years jubilee of the nuclear research reactor in the Institute of Nuclear Research of Czechoslovak Academy of Sciences, 22:12096
MUSIN, A. K. Acceleration of the current layer in a dense gas, 22:13459
  Characteristics of several types of plasma accelerators, 21:15136
  Determination of the electric current in moving plasma under conditions of thermionic emission, 21:5293
  Diffusive spread of a plasma condensation and the optimum length of a plasma accelerator, 21:5277
  Electrode space-charge sheath in a plasma moving in a magnetic field, 24:37465
  Flow and diagnostics of the electric current in moving and disintegrating plasma, 21:20956
  Kinematics of the current-carrying layer in a plasma accelerator, 21:23200
  Precursor ionization in front of a moving plasmoid, 24:37448
  Velocity and current distributions in a planar anisotropic plasma, 25:47539
MUSIN, M. A. Measurement of probability ratio for $\pi^-d \rightarrow nn$ and $\pi^-d \rightarrow nn\,\gamma$ reactions, 21:7462 (JINR-P1-2996)
  Measurement of probability ratio for $\pi^-d \rightarrow nn$ and $\pi^-d \rightarrow nn\gamma$ reactions, 21:31537
  Monochromatic method for measurement of mean proton energy in 665 MeV beam, 25:26505 (JINR-P13-5636)
MUSIN, Ya. A. Age of secondary uranium minerals, 22:30695
MUSIO, L. Reparative plastic operations in mutilations of lower lip, 21:36677
MUSIOL, G. Decay of ^{89}Nb, /sup 89m,89/Nb, /sup 85m,85/Y and /sup 85m/Sr, 25:28215 (CERN-70-30(Vol.2), pp 1137)
MUSKET, R. G. Room-temperature adsorption of O on W surfaces, 24:46739
MUSKET, Ronald G. Competition between random and preferential ejection in high-yield mercury-ion sputtering, 22:41339
  Oxygen adsorption on W(110), 24:23482
MUSKIE, Edmund S. Thermal pollution, 22:48687
MUSKOVAC, Nicholas G. Nuclear gaging system for moisture content of irregular stream of bulk material, 23:20029
MUSMAN, Steve Effect of finite resolution on solar granulation, 23:34213
MUSMAN, Steven Alfven waves in sunspots, 21:37065
  Bright—dark asymmetry in solar granulation, 25:49668
  Vertical velocities and horizontal wave propagation in the solar photosphere, 24:44907
MUSMANN, G. Rocket experiments for the investigation of Northern Lights, 22:11326
MUSORINA, I. E. Workability of Mo-base alloy with 0.5 percent Ti in tube-mill rolling, 23:36039
MUSSA, A. Effects of small doses of gamma radiation on skeleton in chick embryo, 21:20406
MUSSA, G. C. Possibilities and limitations of nuclear medicine in infant diagnostics, 25:35182
  Urinary excretion of ^{42}K and ^{86}Rb by guinea pig, 22:12761 (UCRL-Trans-10179)
  Use of ^{206}Bi in treatment of childhood leukemia, 24:34529
MUSSER, Jeffrey M. D-region electron densities, 23:36603
MUSSER, William Neil Design of inlet distributors for chromatographic columns, 23:11387 (TID-24834)
MUSSET, P. Further results in direct search for C violating decay mode eta$^0 \rightarrow \pi^+e^+e^-$, 21:31518
  Physics plans for Gargamelle, 25:34944 (CONF-700623-(Vol.1), pp 136-44)
  Search for decay mode eta$^0 \rightarrow \pi^0\gamma\gamma$, 22:5494
MUSSET, Paul Large bubble chambers of the world, 23:22097
MUSSETT, A. E. Age of Earth and meteorites, 25:6921
  Simple programmer for an rf induction heater, with particular application to K—Ar dating, 25:34739
MUSSETT, Alan E. Air Ar contamination in K—Ar dating, 22:47237
MUSSEY, Elizabeth Adjuvant therapy for advanced ovarian malignancy, 22:25913
MUSSHOFF, K. Radiotherapy of Hodgkin's disease. I, 25:44867
  Radiotherapy of the leukemias, 23:41394
  Reduction of lymph nodes by ^{60}Co depth irradiation, 22:581
MUSSHOFF, Karl Peripheral blood picture during radiation of lymphogranulomatosis, 21:45719
  Prognostic symptoms and signs in Hodgkins disease and their significance for radiotherapy, 21:20278
  Quantitative behavior of plasmatic protein fractions under radioiodine incorporation and radiocobalt irradiation, 22:45657
  Treatment of chronic lymphatic leukemia by extracorporeal irradiation, 23:38718
MUSSINI-MONTPELLIER, J. Histological study of chronic occupational x-ray dermatitis of the fingers, 24:42003
MUSSLER, R. E. Beryllium preparation by metallic reduction of beryllium chloride vapour, 24:983
  Kroll process beryllium, 25:2653
MUSSO, A. M. Combined scintigraphy of spleen and kidneys using ^{197}Hg labeled BMHP, 24:6077
  Simultaneous study of the absorption of tritiated pteroylglutamic acid and ^{60}Co-vitamin B_{12}, 25:487
MUSSO, B. Accident analysis for a fast source reactor, 22:39883
  Accident analysis for a fast source reactor, 23:15680
  Analytical study of dynamics of a compact nuclear fast system, 22:30313
  Design of a fast reactor for preparation of technical experiments, 22:50829
  PERT for programming the design and construction of a research reactor, 23:28565
  Several techniques for programing work, Casaccia 1967, 24:9152 (RT/GEN-(69)1(Vol.2))
  Several techniques for programming work, Casaccia, 1967. III, 24:52853 (RT/GEN-(70)1)
  Space time temperature distribution in a semi infinite medium under particular conditions of thermal transient, 25:54876 (RT/ING-(71)11)
MUSSO, G. Diffusion between Al and Nb, 23:38967
  Mechanical properties and nondestructive monitoring of welds in 2.5 percent Nb—Zr high strength tubes using thermoelectric potential measurements, 23:24411
  Reducing grain growth in Zr alloys weldings, 24:19406
  Reliability evaluation of brittle materials and of welded structures, 24:39635
  Reliability evaluation of brittle materials and of welded structures, 25:4753
  Welding of SAP, 21:30299
MUSSO, Giuseppe Method of fusion welding together of workpieces of zirconium or zirconium alloys, 25:49395
  Nuclear fuel element made of a ceramic metal composite material and method for closing the ends of the said element, 21:518
  Process for welding cans of reactor fuel elements, 23:38939
  Treatment of zirconium and its alloys by chemical displacement, 25:52316
MUSSO, Guiseppe Method for tightly closing tubes made of ceramic-metal composite materials, 21:34178
  Welding composite metal-oxide materials such as SAP, 22:23747
MUSSO, H. Infrared spectra of [1,4-$^{13}C_2$]-cyclohexane(1,4)dione and [1,4-$^{13}C_2$]-1,4-benzoquinone, 21:1361
MUSSO, Jean A. Magnetic equivalence in analysis of high-resolution NMR spectra, 24:18041
MUSSO, Simone Uptake and excretion of radiocobalt by a freshwater mollusc, 25:29441
MUSTA, I. Radiosensitivity changes in mice under the action of phenylhydrazine, 25:49212
MUSTACCHI, C. Dependence on microstructure of high temperature properties of U oxide—Mo and U oxide—W cermets. II, 21:39687
  Fuel-clad contact conductance, 21:17535 (EUR-3155.e)
  Knock-out coefficient of sintered uranium dioxide, 21:97 (EUR-3058.e)
  Thermal release of krypton from thin layers of UO_2, 21:18254 (EUR-3267.e)
MUSTACCHI, Carlo Process for the manufacturing of nuclear fuel elements, 22:49802
MUSTACESCU, Erica Determination of neodymium and praseodymium in misch metal, 25:2077
MUSTACESCU, Erika Method for the photometric determination of cerium content in steel, 23:15793
MUSTACHI, A. Exchange interactions in rare earth iron garnets, 22:24426
  Hyperfine interactions of Eu nuclei in $SmFe_2$, Sm_2Co_{17}, and Sm_2Ni_{17}, 23:16874
  Isomer shifts in $2^+ \rightarrow 0^+$ rotational transition of ^{170}Yb, 21:29997
  Magnetic and quadrupole moments of 86.5 keV excited state of ^{155}Gd, 24:15881
  Magnetic moment of 91-keV excited state of ^{147}Pm, 25:7855
  Moessbauer effect in ^{193}Ir in intermetallic compounds and salts of iridium, 22:1348
  Preparation of thin osmium targets, 21:25378
MUSTAFA, A. B. M. G. Geometry of cosmic radiation neutron intensity monitor of I.G.Y. design, 21:1577
MUSTAFA, G. Induction of somatic mutations in potatoes by gamma radiation, 24:4597
MUSTAFA, M. G. High-energy photonuclear reactions in ^{16}O, 25:7816
  High-energy photonucleon emission from ^{16}O and ^{12}C, 24:35818
MUSTAFA, M. R. Electron spin resonance and electronic structure of the fluoromalonyl radical, $CF(CQ_2^-)_2$, 24:36277
  Electron spin resonance study of γ-irradiated dipotassium difluoromalonate monohydrate, 24:13979

- MUSTAFA, Mohammed Golam Photonuclear reactions in light nuclei, 25:56661
- MUSTAFA, Mohammed Rafti ESR of x- and γ-irradiated potassium difluoromalonate, 25:41838
- MUSTAFAEV, A. I. Electron paramagnetic resonance spectra of irradiated frozen aqueous solutions. XI, 25:51535
- MUSTAFAEV, A. S. Effect of transverse magnetic field on volt—ampere characteristics of thermionic converter, 24:49055
- MUSTAFIN, G. M. Characteristics of a plasmotron with an interelectrode insert, 21:41081
  - Characteristics of stabilized arc in a channel with distributed gas supply, 22:52817
  - Investigation of pulsations in a plasmatron with a self-adjusting arc, 22:4534
  - Pulsations in a plasmotron with a self-stabilized arc, 21:41083
  - Vortex stabilization of conducting gas in radial electric field, 22:9179
- MUSTAFIN, I. S. Colorimetric determination of Zr in alloys, 22:33287
  - Organic reagents in analytical chemistry of zirconium and hafnium. II, 21:45058
  - Organic reagents in analytical chemistry of Zr and Hf. VI, 25:28932
- MUSTAFIN, K. S. Effect of solar overheating on cardiovascular system during radiation sickness, 25:42651
- MUSTAFINA, R. Kh. Appraisal of tissue radiosensitivity in radiation therapy of tumor patients in connection with changes of the sulfhydryl group level, 24:34128
  - Some indices of the connective tissue reaction in cancer patients in various rhythms of radiation therapy, 24:34134
  - State of mineral and protein metabolism in the blood serum of cancer patients in various types of fractionation during radiation therapy, 24:34741
- MUSTAKOV, G. Heliotherapy and its influence on the activity of some enzymes in psoriasis conditions, 23:29355
- MUSTARD, G. L. Precise computerized in-line compressible flow metering, 25:28855 (GAT-T-1649)
- MUSTARD, James F. Pattern of platelet disappearance, 21:41319
- MUSTEA, I. Effect of some radioprotective substances on the redox equilibrium in the spleen, 25:42526
  - Problems of radionecroses, 23:29595
- MUSTEL, E. P. Radial extent of corpuscular stream from chromospheric flare, 21:29124
- MUSTEL, E. R. Analysis of the chemical composition of Nova envelopes. III, 21:5044
  - Influence of corpuscular streams on the Earth's atmospheric circulation. I, 24:30098
  - Influence of cosmic ray particles upon the lowest layers of earth atmosphere, 22:36828
  - Influence of solar activity on the troposphere in the polar cap regions, 21:693
  - Interpretation of Type I supernova spectra, 25:45210
  - Magnetic fields of exploding stars, 24:51255
  - Origin of quasistationary gas flow from solar active regions. I, 21:28885
  - Origin of the solar wind, 23:46220
  - Solar activity and efflux of gases from Sun, 22:43748
  - Solar winds and interplanetary magnetic fields, 21:46044 (JPRS-42567)
  - Some regularities in the problem of solar activity and the Earth's atmosphere, 22:36811
  - Spectroscopic study of v 603 Aql (NAql 1918), 22:43709
  - Structure of envelopes ejected by Novae, 24:19591
- MUSTELIER, J. P. French irradiation experience with mixed oxide fuels, 23:10304
  - Irradiation behavior of Pu mixed-oxide driver fuel of Rapsodie, 23:4326
  - Irradiation tests on mixed UC—PuC, 21:33013
- MUSTELIER, Jean-Pierre Irradiation behavior of mixed U—Pu carbides, nitrides, and carbonitrides, 21:34973 (CEA-R-3223)
  - Irradiation of mixed UO_2—PuO_2 oxide fuel elements, 21:9248 (CEA-R-3066)
  - Irradiation of mixed UO_2—PuO_2 oxide samples for fast neutron reactor fuel elements, 24:4855 (CEA-R-3878)
  - Irradiation results of mixed UO_2—PuO_2 test pieces, 24:23537 (EURFNR-707)
  - Results of irradiation of mixed UO_2—PuO_2 oxide fuel elements, 21:19392 (EURFNR-209-F)
- MUSTER, J. MgO—ZrO_2 system and stabilization of zirconia with magnesia, 22:21724
- MUSTO, R. Allowed spectrum in dual-resonance models, 25:5428
  - Gage invariance and Regge-pole sum rules for pion photoproduction, 21:27336
  - Self-consistent equations and self-coupling of vector mesons, 21:37898
  - U(12) tilde and crossing symmetry, 21:5404 (NYO-3399-37)
- MUSTO, Renato Dynamical models and symmetry groups in particle physics, 22:39458
  - Noninvariance group by bootstrap and Regge behavior, 21:33684
- MUSTON, P. H. Semi-automatic system for personal contamination monitoring, 24:31551
- MUSTONEN, E. D. Heat flow and surface radioactivity in the Quirke Lake Syncline near Elliot Lake, Ontario, Canada, 23:6231
- MUSUMECI, L. Dosimetry of mixed gamma-neutron radiation, 25:42168
- MUSUMECI, R. Clinico-statistical survey on radiocobalt teletherapy of 139 bladder neoplasms, 24:34537
  - Method of elimination of colic gases in abdominal radiodiagnosis, 22:4640
- MUSUMECI, Renato Endolymphatic radiotherapy in malignant lymphomas, 23:877
- MUSUMECI, S. Bone scan with ^{85}Sr in skeleton metastatical lesions, 24:23269
  - Particular aspects of problem of RBE, 22:33943
  - Scintigraphic aspects of the kidney, 23:38656
- MUSY, D. Experience of processing radioactive wastes from low level irradiations, 25:37472
- MUSYATOVICH, Yu. Blood coagulation and fibrinolysis following radiotherapy of cervical cancer, 21:11063
- MUSYCHKA, Yu. A. Single-particle potentials and the stability of superheavy nuclei, 23:19393
- MUSYCK, E. Mathematical representation of the photopeaks of gamma spectra of a NaI scintillator, 21:24217
- MUSZBEK, Laszlo Effect of ^{60}Co γ-irradiation on the tryptic digestion of phosphorylase b, 23:2789
- MUSZKAT, K. A. Oxidation of 4a, 4b-dihydrophenanthrenes, 23:7506
  - Oxidation of 4a,4b-dihydrophenanthrene. IV, 24:38831
- MUSZYNSKI, G. Precautions required in handling radiation sources in medicine, 22:23573
  - Safety aspects in the design of WAK, 25:18566 (ORNL-tr-2370)
- MUSZYNSKI, S. Decay of ^{69}As, 24:26612
  - Levels of ^{75}Se from the decay of ^{75}Br, 24:6871
- MUSZYNSKI, Stanislaw Overall problem of the radiation breeding of plants, 23:26720
- MUTA, Nobuyoshi Studies on radioresistance with HeLa cells. Establishment of a radioresistant line, 24:44618
- MUTA, T. Asymptotic behavior of unitarized π—π Veneziano amplitude, 24:40366
  - Deep inelastic electron—hadron scattering in the fishing-net diagram approach, 25:33632
  - Nucleon mass and gravitational Ward—Takahashi identity, 23:32668
  - Sidewise dispersion relations and some relations among magnetic moments, 22:3322
  - Spontaneous breakdown of chiral symmetry with linear realizations for asymptotic fields, 24:40435
- MUTA, Taizo Bootstrap conditions in a model field theory, 21:40272
  - Comment on the p—n mass difference, 22:46359
  - Compositeness criteria of particles in quantum field theory and S-matrix theory, 22:18041
  - Dual resonance amplitude corresponding to globular Feynman diagrams, 25:53382
  - Electromagnetic mass difference of hadrons and the parton model, 25:12155
  - Electromagnetic properties of the nucleon resonance N' (1470), 23:42612
  - Inelastic contribution to the p - n mass difference in Cottingham's formula, 22:44363
- MUTAFCHIEV, K. Production of carrier-free ^{18}F from neutron irradiated Li carbonate, 21:10393
- MUTAFI, N. N. Volcanic cycles and metallogeny of Novaya Zemlya, 25:10416 (UCRL-Trans-10504)
- MUTCHLER, G. S. (d,n) reaction on 1p shell nuclei at E/sub d/ = 11.8 MeV, 25:50641
  - Neutron polarization in the d + t _ n + ^{4}He reaction at 30° from 3 to 15 MeV, 25:33958
  - Polarization in n—p scattering, 25:45901
- MUTH, Chester W. Rate studies and their mechanistic implications for the reaction of 2-methylquinoline 1-oxide and acetic anhydride, 22:37767
- MUTH, D. G. Anodic oxides formed on sputtered Ta and Ta—Al alloy films, 24:23469
- MUTH, H. Biophysical problems of radiation effects, 21:22350
  - Correlation between radionuclide content of body and development of silicosis in miners, 21:43381
  - Dose dependence of chromosome aberration rate in Thorotrast patients, 25:52247
  - Electrolytes content in man, 23:50254
  - General and organ specific ^{137}Cs retention in rats after single i.p. injection, 21:22352
  - Investigations on metabolism ^{224}Ra (ThX) and estimation of the radiation doses in therapeutic uses, 22:38217
  - Ionization chamber for measuring low level radon concentrations, 24:36588
  - Organ specific ^{137}Cs uptake by rats, 23:788
  - Radiation burden of skeleton and lungs in Thorotrast patients, 21:22531
  - Radiation dose distribution in lungs of Thorotrast patients, 25:29521
  - Results of biophysical studies on Thorotrast patients and their significance for the establishment of maximum permissible masses of radionuclides, 21:22530
  - Whole-body counters and their clinical applications, 22:38405
- MUTH, Hermann Intake and excretion of natural radionuclides ^{210}Pb and ^{210}Po by humans, 21:24421 (ANL-Trans-458)
  - Uptake and excretion of natural radionuclides ^{210}Pb and ^{210}Po by man, 21:20103
- MUTH, O. H. Conference on selenium in biomedicine, Corvallis, Oregon, 9/66, 22:51325
  - Uptake and retention of ^{75}Se in ewes, 22:51330
- MUTHUKRISHNAN, G. BF_3 annular counter, 24:11762 (BARC-440)
  - Counter for fast neutron dosimetry, 21:17899
  - Design of proton recoil counters with multiple radiators, 22:45274 (BARC-330)
  - Recoil proton counter for neutron flux measurement, 21:45422
- MUTHUKRISHNAN, R. Effective s-wave interaction in finite nuclei, 25:43959
  - Effective two-nucleon interaction from analysis of reaction ^{16}O(t,p)^{18}O, 22:20696
  - Excited states of ^{16}O in the Hartree—Fock (HF) approximation, 21:11972
  - Intrinsic states of deformed nuclei in the Hartree—Fock (HF) approximation, 21:9946
  - Negative-parity states in ^{139}Pr, 25:31366
  - Three-quasiparticle multiplets in nuclei below N = 82, 24:43412
- MUTKE, R. Examples of differences between steam generators for conventional and nuclear power plants, 25:3898
- MUTO, Giichi Double-cell coulometric determination of alkali and alkaline earth metals, 25:23519
- MUTO, H. Determination of oxygen in aluminum electrolytic baths by a fast-neutron activation method, 25:48489
  - Direct read-out system for fast neutron activation analysis for oxygen in steels, 21:38910
  - Investigation of a rapid and non-destructive fast-neutron activation analysis for many elements by using a semi-conductor detector, 23:19681
- MUTO, Haruo Determination of hexamminecobalt(III)-, monochloropentamminecobalt(III)-, and Co(II)- ions in their mixture by the isotope dilution method, 21:5812
  - Determination of oxygen in aluminum by a fast neutron activation method, 21:4451
  - Determination of oxygen in high melting point materials by fast neutron activation, 23:28764
  - Determination of oxygen in high melting point materials by fast neutron activation, 24:31276
  - Total-body N and protein, 24:9736
- MUTO, Hiroshi Simultaneous determination of Al and Fe in Pu, 24:43954
  - Spectrophotometric determination of thorium with carboxyarsenazo, 24:41200
- MUTO, J. 1p neutron pick-up strengths in the reaction ^{13}C(p,d)^{12}C, 23:1797
- MUTO, Jiro α decay from some excited states of ^{13}C above proton threshold, 25:38883 (JAERI-1205, pp 44-8)
  - Kyoto University tandem Van de Graaff, 22:20393
  - Reactions (p,d) and (p,t) on ^{13}C at 54.9 MeV, 22:26903
  - Reactions (p,p'), (p,d), and (p,t) on ^{12}C at 54.9 MeV, 22:26898
- MUTO, K. Earthquake resistant design for nuclear power plants, 23:4291
- MUTO, Kihachi Measurement of temperature in a high-frequency induction plasma, 25:22486
- MUTO, Kiyoshi Earthquake resistant design for nuclear power plants, 23:32974 (CONF-681101-35)
  - Earthquake response analysis of nuclear power plant, 25:57598
- MUTO, T. Effects of chloride ions and U(VI) ions in sol—gel process of UO_2, 23:3125
  - Preparation of ceramic fuels in PNC, Japan, 25:16562 (NP-18650)
  - Property change of UO_2 crystallite in sol-gel process, 25:24646
  - Sol-gel processes at Tokai, 23:30127
- MUTO, Tadashi Fixation of U from natural waters, 22:18872 (NSJ-tr-91)
  - In-pile fission gas release from UC, 25:40121
  - Research and development of fuel for liquid metal fast breeder reactor, 24:31074
  - Research and development of fuel for liquid metal fast breeder reactor, 25:19275
- MUTO, Takeo Device for containing used resin, 21:1548
- MUTO, Tatsukichi Effects of injection of radioactive rainwater on pregnant mice, 24:21292
  - Effects of rainwater radioactivity on organisms, 22:28671
  - Histological changes of endocrine glands in pregnant mice from drinking radioactive rainwater, 21:435
  - Histological changes of thyroid gland after injection of radioactive rainwater into pregnant mice, 21:1827
  - Stronium-90 effects on endocrine glands of pregnant mice, 24:21290
- MUTO, Toshinosuke Long-range program for application of radioisotopes and radiation in Japan, 22:31155
- MUTO, V. Homogenates of the spleen in conditions of blocking of reticulo-endothelial system. II, 24:12116
- MUTO, Y. β dosimetry with silver-activated phosphate glass, 23:7853 (CONF-680920-, pp 773-82)
  - Critical current densities in superconducting Nb films, 23:5353
  - Hall angle of dirty type-II superconductor, 24:8401
  - Measurement of the fast neutron fluxes in an experimental critical assembly. I, 25:48905 (JAERI-Memo-4337)
  - Performance of glass dosimeters and film dosimeter in personnel monitoring, 24:48329
  - Registration of fission-fragment tracks in Th- or U-doped phosphate glasses and possible application to neutron dosimetry, 22:23336
  - Silver-activated phosphate dosimeter glasses with low energy dependence and higher sensitivity, 25:39761
- MUTO, Yasushi Cooling system of HTGCR, 25:18134
  - Development of the gas cooled reactors, 25:51029 (JAERI-13620)
- MUTO, Yehei Properties of new fission track detector glass, 24:31691
- MUTO, Yoshio Second-kind superconductivity of indium—lead alloys, 21:7135
  - Thermal conductivity of type-II superconductors: In—Pb alloys. II, 22:29433
- MUTO, Yuhei Dosimeter glass washing process, 23:38334
  - Glass and film dosimeters, 25:6583
  - Glass dosimeter for measuring the absorbed dose in critical organs, 23:43612
  - Improved dosimeter glass washing technique, 22:19172
  - Low-energy quantum radiation glass dosimeter, 22:51262
  - Recent improvements in fluoro-glass dosimeter, 25:29387
  - Some improvements on spherical capsule type glass dosimeter, 23:11884
  - Vitreous composition for measuring neutron flux, 24:39277
- MUTOH, Shigeki Zirconium compounds used for refractory material and bricks, 25:735
- MUTOH, Yuhei Recent improvements in fluoro-glass dosimeter, 25:18810
- MUTOVIN, V. D. Ductility of molybdenum sheets at various deformation rates, 22:17125
  - Mechanical properties and structure of sintered molybdenum sheets used for deep drawing, 21:41590
  - Mechanical properties and structure of metal—ceramic sheet molybdenum for deep drawing, 22:17126
  - Plastic properties of thin-sheet Mo at various deformation rates, 22:7004

MUTSCHKE, Ursula Detection of radionuclides of biological interest in human bones and tissues, 23:4960
MUTSCHLECNER, J. P. Atmospheres of classical Cepheid variables, 24:37034
  Evolution of low-mass stars. II, 25:6960
  Hydrodynamic envelopes of classical Cepheid variables, 25:40161
  Semi-empirical solar line blanketing. I, 25:7072
MUTSURO, N. Pulse shape discrimination with a P-I-N solid state detector, 22:36135
MUTSURO, Naoshi Angular distributions of fast photoneutrons from Pb, Bi, and Ta, 23:15457
  Isospin effect in ^{31}P(γ,n) reaction, 25:59765
  Isotopic spin mixing in the giant dipole resonance, 25:38880 (JAERI-1205, pp 17-21)
  Photoneutron spectra measured by time-of-flight method, 24:20304
  Photoneutron spectra of ^{31}P and ^{27}Al, 25:5648
  Photoproton spectra from natural sulphur, 23:15405
  Photoproton spectrum from ^{19}F, 23:8963
  Time-of-flight measurement of photoneutrons from ^{16}O, ^{40}Ca, and ^{31}P, 22:7663
MUTTEL, J. Remote control of a polarized neutron goniometer, 24:16937
MUTTERER, M. Branching ratio ^{7}Be, 25:53603 (CONF-701002-, pp 452-64)
MUTTON, D. E. Radiation-induced efflux of intracellular potassium, 23:16371
MUTZE, U. Casimir operators associated with any Lie algebra, 24:6735
MUUK, E. L. Carbon-14 metabolism in Chlorella, 24:46574
MUUS, L. T. ESR spectra from paramagnetic centers in irradiated KClO$_4$. I, 21:9665
MUUSS, H. Laser beams as fiducial lines in bubble chambers, 25:13303
MUUSS, Harry Fiducial lines in large bubble chambers produced by laser beams, 25:34995 (CONF-700623-(Vol.2), pp 984-96)
MUUSZ, H. Absolute measurements of longitudinal β polarization in ^{32}P decay, 21:23497
MUXART, R. Behavior of protactinium(V) on an indicator scale, 25:41786
  Chemical transformations associated with reaction (n,γ) in telluric acid, 23:11589
  Chemistry of protactinium. I, 22:50958
  Chemistry of protactinium. II, 23:26231
  Half-life of ^{231}Pa, 23:40051
  Separation of niobium and protactinium by amalgamation, 24:14009
  Solvent extraction of phosphato- and trichloroacetato-complexes of pentavalent protactinium, 22:6387
  Study of Pa(V) phosphates, 25:15641
  Study of protactinium peroxide, 23:40647
  Ultra-violet diffuse reflectance spectra of the hydrated oxides of Pa(V) and of Nb(V) and some related compounds, 23:11510
MUXART, Roland Absorption spectra of pentachlorides of Pa and Nb, 21:45112
  Distribution of penta- and tetravalent protactinium between different aqueous solutions and amines on ion exchange resins, 21:8417
  Preparation of ^{234}Pa(UZ) and /sup 234m/Pa(UX2) sources with high specific activity, 21:23934
  Protactinium oxides and peroxides, 21:8323
  Studies on protactinium oxalate, 22:2077
MUXFELD, H. Automatic irradiation facility for sterilization of surgical sutures, 21:10516
MUYLAERT, J. Steel irradiation capsule and rig, 21:20537 (CONF-660511-, pp 1.4.1-9)
MUYSERS, K. Changes in lung and pleura following ^{60}Co pendulum irradiation of mammary carcinomas, 25:32602
MUYSKEN, M. Conference on research on water cooled reactors, Bunnik, Netherlands, 1/68, 25:23242
  Energy situation in the Netherlands, 23:21428
  Nuclear energy in Netherlands' energy supply, 22:6029
  Nuclear park concept, 23:40295
  Prog. rpt. on NERO development, annual, 1966, 22:6067 (EUR-3647)
MUZAFEROVA, R. Sh. Effects of γ-radiation doses on size of saffron pollen, 25:42720
MUZALEVSKII, A. A. Origin of spontaneous polarization and isotope effects in ferroelectric KH$_2$PO$_4$ crystals, 25:38580
MUZALEVSKII, Yu. S. Correlation spectral analysis of the periodicities in solar activity, 24:12583
  Fluctuations in monthly Wolf numbers, 25:7058
  Monthly Wolf numbers, 24:48964
MUZDEKA, S. Health physics instrumentation and systems, 25:51846 (A/CONF.49/P-352)
MUZDEKA, Slobodan Equipment for gamma radiation exposure dose-rate and gas activity measurements, 23:43517 (CONF-681063-, Paper 2.5)
  Instrumentation for measurement and analysis of radiative samples, 23:43516 (CONF-681063-, Paper 2.4)
MUZGIN, V. N. Determination of calcium in presence of europium, 21:27920
  Spectrographic method for determining main components in alloys based on cobalt, 25:57313
MUZINICH, I. J. Density-matrix formalism for lepton—hadron scattering, 25:5331
  Diagonalization of integral equation for multiperipheral dynamics, 24:24459
  Does multiple Reggeon exchange produce an eikonal-type formula, 25:20111
  General theory of dispersion sum rules with special emphasis on the high-energy contribution, 21:5360
  High-energy limit of photon scattering on hadrons, 21:42310
  Multiperipheral dynamics at nonvanishing values of momentum transfer, 24:33064
  Nucleon—nucleon and nucleon—antinucleon charge-exchange scattering and conspiracy of singularities in the complex angular momentum plane, 22:11688
  Polarization test for cuts in angular momentum, 21:11775
  Superconvergence relations in the presence of Regge cuts, 21:17126
MUZINICH, Ivan J. Conspiracy or evasion; the electron's way, 22:37104
MUZIOL, G. Decay of ^{146}Gd and ^{145}Gd, 24:35888
  Decay of ^{90}Nb, 25:56791
  Decay scheme of ^{86}Y, 24:18395
  Decay scheme of isotopes Sm and Pm, 25:25749
  Gamma rays from ^{147}Gd, 24:28809
  Investigation of ^{146}Gd and ^{145}Gd decay; on the peculiarities of quasi-particle 2d/sub $^{3}/_{2}$/ and 3s/sub $^{1}/_{2}$/ levels, 23:23672 (JINR-P6-4247)
  Investigation of ^{150}Tb, ^{149}Tb, ^{149}Gd, and ^{149}Eu radiation, 21:23480 (JINR-P6-3128)
  Isomeric states by decay of short-lived isotopes of ^{140}Sm, ^{141}Sm, ^{140}Pm, 22:16007 (JINR-P6-3540)
  Levels in ^{142}Nd, 25:31337
  Mass-separator in apparatus JASNAPP, 23:42791 (JINR-P6-4487)
  New neutron-deficient isotopes ^{169}Hf, ^{167}Hf, ^{166}Hf, and ^{166}Lu, 24:8913
  New neutron-deficient isotopes of ^{169}Hf, ^{167}Hf, ^{166}Hf, and ^{166}Lu, 24:30752 (BNL-tr-347)
  New neutron-deficient Ta isotopes with mass numbers A = 167 to 171, 24:8912
  Positron decay of ^{147}Eu, 21:2740
  Positrons in ^{147}Gd decay, 21:2741
MUZLISH, Philip Improvements in or relating to film coding devices, 21:45438
  Improvements in or relating to optical densitometers, 21:26261
MUZRUKOV, N. B. Experimental creation of a bilingual thesaurus for indexing documents on atomic science and technology, 24:38649 (CONF-700206-5)
MUZSNAY, L. Biological irradiating facility at Hungarian WWR-SM reactor, 24:33826 (KFKI-70-5-HP)
  Development of emergency and control drives and rod-position indicators for nuclear reactors in the Central Research Inst. of Physics, 25:18251
MUZYCHIKA, Yu. A. Alpha decay of heavy nuclei, 24:30754 (KFK-tr-309)
MUZYCHKA, Yu. A. Alpha decay of super-heavy nuclei, 23:32930 (JINR-P7-4435)
  Alpha decay of superheavy nuclei, 24:30816
  Bounds for stability region of superheavy nuclei, 23:47020
  Effective momenta of inertia of heavy nuclei at the saddle point, 22:1669
  Effective moments of heavy nucleus inertia in saddle point, 21:15568 (JINR-P7-3105)
  Mechanism of nuclear ternary fission in the reactions with heavy ions, 21:44684
  Mechanism of ternary fission in heavy ion reactions, 21:15567 (JINR-P7-3103)
  Problem of the stability of superheavy nuclei, 22:22583 (JINR-P7-3733)
  Some shell effects in transuranium nuclei, 22:46813 (ANL-Trans-634)
  Stability of superheavy nuclei, 23:9047
MUZYCHKO, Yu. A. Certain effects of transuranium nuclear shells, 22:18307 (JINR-D7-3548, pp 51-8)
MUZYKA, Donald R. Heat treatment of 706 Alloy, 25:55554
  Long-term creep-rupture data, 23:36113
  Microstructure of 706, a new Fe—Ni-base superalloy, 25:55553
MUZYKA, I. D. Dithiocarbaminate U complexes, 21:21948
MUZYKANTOV, V. S. Exchange reaction of oxygen with oxides computer determination of the exchange rates, 22:27675
  Isotope exchange between oxygen and stannic oxide, 25:37382
  Isotopic O exchange by catalysts in V$_2$O$_5$—MoO$_3$ series, 25:37377
  Reaction capability of O on surface of complex oxides. II, 24:18955
  Reaction capability of oxygen on surface of complex oxides. I, 24:16494
MUZYLEV, E. L. Radiation induced by charged particles moving in matter, 23:34516
  Renormalization of energy for a system of particles, 24:18282
MUZZARELLI, R. A. A. Application of radioisotopes in column chromatography on substituted celluloses. VI, 21:22021
  Automatic scanning of chromatograms by multi-scaling with a gamma-ray spectrometer, 21:2990
  Separation of boric acid from uranyl nitrate by anion exchange chromatography, 21:15857
MUZZARELLI, Riccardo A. A. Uptake of nitrosyl ^{106}Ru on chitin and chitosan from waste solutions and polluted sea-water, 25:16116
MUZZARELLI, Riccardo, A. A. Separations of trace elements from sea water, brine, and Na and Mn salt solutions, 24:22760
MUZZETTO, P. Infestation of rat with cercariae of normal and x-irradiated Schistosma bovis, 21:41488
MUZZI, F. Efficiency of absolute filters in nuclear power plants, 24:16759
MUZZIO, J. C. Light curve of 1 Carinae, 24:10241
MUZZIO, J. L. R. Ion cutoff whistlers, 23:5312
MYACHIN, E. T. Effect of electron irradiation and of local electric field on the formation of polymeric films, 22:51030
MYACHINA, L. I. Correlation between solubility and the extent of complexon substitution when poorly soluble compounds are dissolved in complexon solutions, 21:23875
MYACHKOVA, S. A. Possibility of increasing the precision of the n—d elastic scattering phase analysis, 22:11895
  Scattering of neutrons on Mg, 25:28265
MYAE, E. A. Increase of effectiveness of synchronized capture during bunching of beam outside the separatrix, 25:36603 (IFVE-SKU-70-20)
  Investigation of beam transversal characteristics at input of IHEP proton synchrotron, 25:3482
  Investigation of particle dynamics in 70 GeV proton synchrotron at the Inst. of High Energy Physics, 24:10885
  Investigation of particle dynamics in 70-GeV proton synchroton of Institute of High-Energy Physics, 25:41126 (BNL-tr-425)
  Priming and measurement of coherent betatron oscillation of a beam during the initial phase of acceleration, 25:17606 (CERN-Trans-70-10)
  Serpukhov 70-GeV accelerator, 21:38144
  System for injection of particles into proton synchrotron IHEP at energy 70 GeV, 23:19081 (IFVE-SKU-68-48-K)
  Tuning of injection channel of IFVE 70-GeV proton synchrotron, 23:46863 (IFVE-SKU-68-76)
MYAGKOV, A. A. Optimization of basic parameters of thermal desalting plants, 24:22471
MYAKEN'KAYA, G. S. Calculation of deceleration recoil of atoms in the bcc lattice of vanadium taking into consideration many-particle interaction, 25:40823
MYAKININ, E. V. Fluxes of fast neutrons in the atmosphere, 23:3303
MYAKISHEV, K. G. Infrared spectra and molecular properties of tetrahydroborates of metals of the M(BH$_4$)$_4$ type, 25:8263
  Phase diagram of the system zirconium tetrahydroborate—dioxane, 24:11525
MYAKOTA-MOSKALEV, V. I. Automating a 2-GeV electron linac, 25:14852 (SLAC-Trans-126)
MYAKSHIN, O. A. Cladding of steel with niobium by vacuum rolling, 21:16578
MYAKUSHKO, L. K. Use of getter-ion pumps in vacuum systems of linear electron accelerators, 21:35375
MYALKOVSKAYA, N. M. Interaction of 21-GeV protons with heavy nuclei of emulsion exposed in strong magnetic field, 23:13029
MYALKOVSKII, V. M. Facilities at Kum-bel Mountain Station for study of high-energy interactions, 25:35013
  Program for study of high-energy nuclear interactions of cosmic rays at Kum-bel Mountain Station, 25:36416
MYALLONNIER, A. Heat treatment for steel to be used at high temperature, 22:31377
MYASISHCHEVA, G. G. Dependence of negative muon residual polarization in water upon temperature, 22:41723 (JINR-P14-3832)
  Depolarization of μ^+ mesons in alkali metal halide, 24:35173
  Effect of the crystal lattice of silicon on the hyperfine splitting energy of muonium, 24:39843
  Hyperfine structure and depolarization of negative muons in muonic atoms, 24:15145
  Investigation of muonium depolarization processes in germanium single crystals, 23:30317
  Investigation of μ^+ meson depolarization in scintillation plastics in variously oriented magnetic fields, 23:30320
  Paschen—Back effect for muonium atom, 24:35175
  Residual polarization of μ^- mesons in water at different temperature and in hydrocarbon, 23:7078
  Residual polarization of negative μ mesons in hydrocarbons, 22:38718 (JINR-P14-3809)
  Search for atomic muonium in chemically inert substances, 21:43788
  Slow depolarization of μ^+ mesons in some substances, 23:44640
  Study of the behavior of muonium in scintillating plastic, 21:31246
MYASNIK, M. N. Demonstrations of the role of post radiation recovery in the radioresistance of bacteria of various strains, 24:51108
  Differences in the sensitivity of different strains of E. coli to gamma- and alpha-irradiation, 24:12334
  Genetic control of radiosensitivity in E. coli, 24:39592
  Growth patterns of uv-irradiated E. coli B in saline, 25:27119
  Influence of dose rate and conditions of α-irradiation on radiosensitivity of E. coli B/R, B, and B/sub s-I/, 25:27118
  Influence of temperature on survival of irradiated E. coli B, 23:18137
  Radiation induced damages to cells, 25:35260
  Survival of E. coli B irradiated with gamma rays and alpha particles, 23:35951
  Survival of Escherichia coli B irradiated by γ rays and α particles, 25:32629
  Survival of irradiated yeast, bacteria, and phages under postradiation conditions, 23:41512
  Survival of uv-irradiated Escherichia coli B, 25:32628
  Variability in survival of E. coli B, irradiated by γ-rays and α-particles, 23:50943
  Viability of irradiated and nonirradiated E. coli on various culture media, 22:40971
  Viability of irradiated E. coli B in different nutrient media, 21:34832
MYASNIKOV, A. M. Study of hardening during fatigue of various pure metals, 25:58223
MYASNIKOV, I. A. Investigation of molecules adsorbed on semiconductors bombarded by excited mercury atoms, 23:7043
MYASNIKOV, I. E. Parameters of energy spectra of exoelectrons from metal surfaces, 24:35160
MYASNIKOV, K. V. Creating underground storage cavities with contained nuclear explosions detonated in rock salt, 25:54824 (UCRL-Trans-10543, pp 70-80)
MYASNIKOV, V. V. Effect of Nd, Y, and Hf on the hardness and microstructure of Cr, 22:38549
MYASNIKOVA, K. P. Crystallization process in binary solid solutions of nickel, 25:19242
  Phase equilibria in the system Mo—Ni—Al, 24:10100
  Phase studies of system W—Mo-Ta, 25:37974
  Study of alloys belonging to NiAl$_3$—VAl$_3$ and Ni$_2$Al$_3$—V$_5$Al$_8$ sections, 25:55562

- MYASNIKOVA, L. N. Multichannel amplitude analyzer for cosmic investigation, 22:43084
- MYASNYANKINA, E. N. Inheritance of recessive sex-linked lethal mutations in Drosophila, 21:20136
  - Mosaicism of inheritance of sex-linked recessive lethals of Drosophila melanogaster, 22:21483
- MYASOEDOV, B. F. Analytical chemistry of Pa, 23:19652
  - Analytical chemistry of protactinium. I, 23:402
  - Analytical chemistry of U(III). I, 25:48449
  - Continuous isolation of isotopically pure ^{249}Cf from ^{249}Bk, 25:41882
  - Extraction of benzeneseleninates of protactinium and other elements by isoamyl alcohol, 22:12414
  - Isolation of berkelium on a zirconium phosphate—silicate sorbent, 25:57530
  - Protactinium extraction with the use of di-2-ethylhexyl phosphoric acid, 22:33493
  - Reaction of trivalent Am and Cm with Arsenazo III, 25:2079
  - Separation of microquantities of Ta from Nb, 23:38084
  - Separation of Pa from Nb, Ta, and Zr, 22:37849
- MYASOEDOV, D. N. Radioactive source and method of manufacture thereof, 24:5957
- MYASOEDOV, V. F. Concentrating Am and Cm and their separation from Pu and fission products using chelating resin, 25:46549
- MYASOEDOVA, A. S. Indirect photometric determination of phosphorus using the complex formation of molybdenum with azo dyes, 25:37300
- MYASOEDOVA, G. V. Studies on the analytical chemistry of scadium, 21:35893
  - Thin-layer chromatography in inorganic analysis. VIII, 25:48586
- MYASOVA, Z. N. Cytogenetic damages by γ rays in Chinese hamster cells, 25:44788
- MYASSOEDOV, B. Separation of protactinium from various elements using benzenearsonic acid, 21:8421
- MYATT, G. Background problems in a bubble chamber neutrino experiment, 24:15459 (CERN-69-28, pp 145-58)
  - Branching ratio of the CP violating decay mode K^0/sub L/ $\rightarrow 2\pi^0$, 23:7079
  - Charge-exchange scattering of negative pions by protons at 96.6 MeV, 22:9511
  - Diagonal and neutral current couplings in CERN neutrino experiments, 24:26368
  - Further observations on scaling in neutrino interactions, 25:25295
  - Measurement of the branching ratio of the CP-violating decay mode K/sub L/^{0} $\rightarrow 2\pi^0$, 24:45416
  - Scattering of positive pions by protons at 97.1 MeV, 22:9510
- MYATT, J. Isotope powered thermoelectric generators, 25:51698 (A/CONF.49/P-487)
  - Miniature nuclear batteries, 25:4240
  - Radioisotope-fuelled batteries for heart pacemakers, 25:46594
- MYAZDRIKOV, O. A. Dose range of a functional transform scheme, 24:14323
  - Functional converter of the current of ionization chambers into pulse signals, 22:36065
- MYBURGH, J. L. Determination of molybdenum by atomic-absorption spectrophotometry, 24:33628 (NIM-499)
- MYCHELKIN, E. G. Investigation of the elliptical polarization of the optical radiation of the Crab Nebula, 21:5039
  - Polarization of synchrotron radiation, 22:9740
  - Polarization of synchrotron radiation, 22:52907
  - Power and intensity of radiation of a relativistic particle, 23:36877
  - Radiation of a charge in a magnetic field, 24:37595
- MYCIELSKI, Roman Genophore replication in E. coli K-12, 24:9821
  - Uv-induced mutations in synchronized cultures of E. coli K-12, 21:10836
- MYCIELSKI, W. Detectors of radiation and their application to the investigations of cosmic space, 25:15896
  - Semiconductor detectors and application to cosmic space, 24:16853
- MYDLIK, M. Scintigraphic localisation of the kidneys for percutaneous renal biopsy, 25:26821
- MYDOSH, J. A. Critical behavior of magnetic susceptibility of GdNi$_2$, 25:40802
  - Effect of molecular field on electrical resistivity near a magnetic transition, 23:39575
  - Resistivity near magnetic transition of rare-earth Laves-phase compounds, 24:42823
- MYERS, B. Controlled thermonuclear power, 23:39499 (UCRL-71500)
  - Preliminary design considerations for an astron power reactor system, 23:48936 (UCRL-71768)
  - Prog. rpt. on structural effects of niobium ion bombardment of niobium foils, 9/70, 24:48864 (UCRL-72408)
  - Some engineering aspects of an Astron fusion power reactor system, 24:49194 (UCRL-72336)
- MYERS, B. F. Study of Na—O$_2$ collisions using merging beams, 23:16673
- MYERS, Blake Observations on 14-MeV neutron radiation effects on reactor materials, 24:2972 (UCRL-71759(Rev.1))
- MYERS, Booth R. Pyroelectric ceramics as detectors of fast atomic beams, 22:43876
- MYERS, Bruce A. EUCLID: code for nuclear construction of uniform channels, 23:13901 (UCRL-50523)
- MYERS, C. Pomeron structure from low-energy K^+p scattering, 25:22834
- MYERS, C. B. Radiopharmaceutical production: radiation safety, 24:50929
- MYERS, C. L. Jr. Measurement of infiltrant loss from infiltrated refractory metal composites at high temperatures, 21:9158
- MYERS, Charles A. MH-1A steady state and transient thermal-hydraulic design analysis, 24:26821 (AD-700135)
- MYERS, D. A. Hot-microhardness values for metals and alloys, 24:8159 (GEMP-716)
- MYERS, D. C. Low-conversion radiolysis of methane containing traces of oxygen and olefins, 22:27774
  - Nucleic acid synthesis in x-irradiated thymocytes, 21:1718
- MYERS, D. K. DNA repair in E. coli B/r after x irradiation in presence of I or iodoacetamide, 25:46719
  - Effect of x-radiation on the tryptic digestion of albumin and erythrocyte membrane proteins, 22:23442
  - Effects of radiation on cell membrane and on reproductive survival of yeast, 23:6617
  - Effects of x-radiation on thymidine incorporation and deoxyribonucleoprotein integrity in rat tissues, 24:6004
  - Incorporation of radioactive label from pyrimidines into liver lipids, 24:5991
  - Inhibition of stromal enzymes by x-radiation, 21:12787
  - Initial effect of x radiation of thymidine incorporation into DNA in thymus cells, 25:55127
  - Radiation-induced reaction of iodoacetamide with albumin, 24:16989
- MYERS, D. S. Energy dependence of cobalt glass, 21:26244 (UCRL-50007-66-2, pp 23-6)
  - Environmental sampling program following an accidental tritium release, 25:46869 (UCRL-51029)
  - Estimation of inhaled particle size of ^{239}PuO$_2$ based on new lung model and bioassay results, 23:31598 (UCRL-50007-68-3, pp 17-20)
  - Health physics aspects of LRL tritium release, 25:46870 (UCRL-73310)
- MYERS, Dale Carter Low conversion radiolysis of methane containing traces of oxygen and olefins, 22:35862
- MYERS, David J. Duplication of photoscans by rapid photocopy techniques, 21:6606
- MYERS, David S. Personnel dosimetry associated with handling of large numbers of 3-kg ^{239}Pu billets, 23:11866 (UCRL-71328)
  - Plea for consistent lung burden criteria for insoluble alpha emitting isotopes, 25:58001 (UCRL-73388)
- MYERS, Dennis M. Gamma-ray dosimetry using Compton scattered electrons, 24:31749
- MYERS, G. Electron—microscopic studies of fundamental physical and chemical processes in single crystals of graphite, 22:55 (ANL-7352)
- MYERS, G. E. Effect of container capacitance on thermal transients in plane walls, cylinders, and spheres, 23:31476
  - Electron—microscopic investigation of reaction of water vapor with single crystals of graphite. I, 23:6143
  - Optical density and thickness of NbSe$_2$ and Nb$_{1+x}$Se$_2$ lamellae, 25:3214
  - Threshold energy for the displacement of surface atoms in graphite, 25:35584
- MYERS, G. H. Product energy distributionfor an endothermic reaction: $A + B \rightarrow AB^+ + e$, 23:46281
- MYERS, George Jr. Arsenazo III as metallochromic indicator for direct titration of lanthanons, 23:4585
- MYERS, George Rodney Comparison of the ultraviolet spectra and polymerization of some dimethacrylamides and N-isobutyrylmethacrylamides, 25:18433
- MYERS, H. Torque measurement. II, 22:2442
- MYERS, H. P. Irradiation effects at 160 to 240°C in some Swedish pressure vessel steels, 21:43639 (AE-298)
- MYERS, H. S. Treatment of tobacco, 22:10891
- MYERS, Howard Convolution analysis of electron impact experiments, 24:39820
- MYERS, Ira L. State health department program in x-ray protection, 22:40701
- MYERS, Ira T. Average triton energy deposited in silicon per electron-hole pair produced, 24:30397
  - Effects of nuclear radiation on high-reliability silicon power diode. III, 25:55097 (N-71-25389)
  - Energy required to produce an electron-hole pair in silicon by tritons, 21:15219 (N-66-39440)
  - Long-lived radioactivity in concrete by neutron activation, 21:45280 (N-67-24400)
  - Long-lived radioactivity produced in concrete materials by neutron activation, 21:24409 (NASA-TM-X-1361)
- MYERS, J. E. Near-isothermal dissipative flow of liquid He II at supercritical velocities, 25:56062
- MYERS, J. Hurley Usefulness and reliability of short-lived radionuclides for cardiac output determination, 25:49244
- MYERS, J. P. Tooling development for machining unfired aluminum oxide, 23:24352 (SC-DR-68-879)
- MYERS, J. R. Chemical activities of Cr and Mo, 23:14363
  - Corrosion of beryllium by salt water, 21:43560
  - Effect of applied current on stress corrosion of beryllium, 23:41545
  - Stress corrosion of beryllium in synthetic sea water, 21:13116
- MYERS, James Hurley Effect of gamma radiation on the primate cardiovascular system, 25:21864
- MYERS, James L. Jr. Effects of the nodal regression of the orbit on the gravity precession of a gyroscopic satellite, 21:46432 (N-67-19245)
- MYERS, John E. Jr. High temperature ^{3}He detectors, 21:32451
- MYERS, L. B. Superheater fuel thermocouple calibration and radiation cooling tests, 21:12117 (ACNP-66570)
- MYERS, L. S. Jr. Electron spin resonance studies of free radicals formed from orotic acid, 25:4093
  - Electron spin resonance studies of free radicals in irradiated single crystals of 5-methylcytosine, 25:51490
  - EPR studies on trapped species produced in gamma radiolysis of aqueous sugar ices, 25:157 (UCLA-12-792)
  - Free radical damage of nucleic acids and their components by ionizing radiation, 24:50709 (UCLA-12-789)
  - Optical spectra and reactivity of organic free radicals formed by reaction of hydroxyl free radical with pyrimidine bases, 23:33207 (UCLA-12-728)
  - Pulse radiolysis of DNA, 23:47527
  - Pulse radiolysis of nucleic acid constituents and related compounds. I, 23:45308 (UCLA-12-749)
  - Pulse radiolysis of nucleic acid constituents and related compounds. III. Optical spectra and reactivity of organic free radicals formed by reaction of hydroxyl free radicals with pyrimidine bases, 24:31352
  - Pulse radiolysis of nucleic acid constituents and related compounds. I. Optical spectrum and reactivity of the 5,6-dihydrothyminyl free radical, 24:31355
  - Pulse radiolysis of nucleic acid constituents and related compounds. II. Resolution of a rapidly decaying transient absorption in cytosine solutions, 24:31354
  - Studies on chemical basis of cellular radiosensitization by 5-bromouracil substitution in DNA. I, 23:40684 (UCLA-12-736)
  - Studies on chemical basis of cellular radiosensitization by 5-bromouracil substitution in DNA. II, 23:41232 (UCLA-12-737)
  - Studies on chemical basis of cellular radiosensitization by 5-bromouracil substitution in DNA. II, 24:41773
  - Studies on the chemical basis of cellular radiosensitization by 5-bromouracil substitution in DNA. I, 24:48435
  - Trapped species produced in the gamma radiolysis of aqueous sugar ices, 25:29153
- MYERS, Lawrence S. Jr. Electron spin resonance studies of free radicals formed from orotic acid, 24:29310 (UCLA-12-776)
- MYERS, M. L. Estimated capital costs of nuclear and fossil power plants, 25:37030 (ORNL-TM-3243)
  - Power plant capital cost normalization, 23:33004 (ORNL-TM-2385)
- MYERS, Myron H. Cobweb data reduction system, 23:33500 (ANL-7515, pp 173-83)
  - Cobweb data reduction system, 23:9743 (UCRL-18528(Rev.))
  - COBWEB: IBM-7044/on-line bubble chamber film measuring machines, 21:24196 (UCRL-17136)
- MYERS, O. H. Earthquakes and reactor safety, 24:39092 (ORNL-4446, pp 23-5)
  - Earthquakes and reactor safety, 25:18556 (ORNL-4584, pp 41)
  - Indexed bibliography of literature on seismic considerations in the Siting of Nuclear Facilities-1, 25:39275 (ORNL-NSIC-88)
  - Seismic history and seismicity of southeastern region of United States, 24:36439 (ORNL-4582)
- MYERS, P. B. Hollow cathode plasma penetration study, 21:9560 (NASA-CR-660)
- MYERS, R. A. Periscope for Triga fuel inspection, 21:19487
- MYERS, R. L. Effect of flowing sodium on 304 SS fuel cladding, 24:6172
  - Evaluation of 3/32 in. fillet wire-end cap weld, 24:25651 (BNWL-1332)
  - Evaluation of weld joint designs between wire wrap and end cap, 24:25650 (BNWL-1331)
  - Fabrication of Mark II prototypic FFTF fuel subassembly for sodium flow test, 24:47894 (BNWL-1418)
  - Mark I prototypic FTR fuel element subassembly Na flow test, 24:23428 (BNWL-1261)
  - Power cycling for irradiation specimens, 22:25088 (KAPL-P-3171)
- MYERS, R. V. Effects of inert cell impurities on metal-cooled systems, 25:5988
- MYERS, Raymond R. Characterization of coatings: physical techniques. I, 24:12495
- MYERS, Richard T. Cyanoacrylate monomers in anastomosis of irradiated intestine preventing anastomotic leaks, 25:21782
- MYERS, Rollie J. Electron spin resonance spectra of radical anions of several 1,3-dienes, 21:17610 (UCRL-16410)
- MYERS, S. M. Sublattice magnetization in europium iron garnet, 22:31956
- MYERS, Samuel M. Sublattice magnetization of several rare-earth iron garnets, 22:31955
- MYERS, T. R. Investigation of NTA as a replacement for DTPA in ion-exchange purification of Pm, 23:13813 (BNWL-SA-1493)
  - Ion-exchange separation of kilocurie quantities of high purity promethium, 21:10412 (BNWL-318)
  - NTA as replacement for DTPA in the ion-exchange purification of Pm, 22:16642 (BNWL-680, pp 7-12)
- MYERS, T. W. Electric arc interaction with aerodynamic and magnetic fields, 22:1030 (AD-646589)
  - Electric arc interactions with magnetic and aerodynamic fields, 21:13562 (ARL-66-0184)
- MYERS, V. W. Measurement of thermal neutron flux, 21:32450
- MYERS, Vernon W. Inelastic scattering of cold neutrons in polycrystalline gray tin, 22:13923
  - Scattering of cold neutrons in ammonium carbonate, ammonium citrate, and ammonium acetate, 21:31479
  - Solutions of time-dependent Klein—Gordon and Dirac equations for uniform electric field, 22:39226
- MYERS, W. Energy modulated beam injection at Argonne Zero Gradient Synchrotron, 23:19052 (BNL-50120(Pt.1), pp 426-9)
  - Use of a debuncher to obtain variable energy from a linear accelerator beam, 21:38077
- MYERS, W. B. Tritium regeneration in a D-T thermonuclear reactor blanket, 21:9636 (UCID-4480)
- MYERS, W. D. Anomalies in nuclear masses, 22:32702
  - Average nuclear properties, 21:46790 (UCRL-17724)
  - Droplet model isotope shifts and the neutron skin, 24:13411
- MYERS, W. G. Carbon-11 in bone and lung scanning, 23:48115
  - Diffusion-thermal ionization source for mass spectrometric assay of trace metals, 24:14
  - Trace concentrations of uranium in air in New York State, 25:39435

MYERS, W. P. L. Computer-analyzed counting and scanning, 25:8716
  Kinetics of radionuclides used for bone studies, 24:14542
MYERS, W. P. Laird Metabolic studies in patients with bone and parathyroid disease, 23:12148 (NYO-910-75, pp 10-26)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/67—5/68. III, 23:2851 (NYO-910-71)
  Prog. rpt. on biological effects of radiation and related biochemical and physical studies, 5/68—5/69, 24:758 (NYO-910-123)
  Prog. rpt. on metabolic studies in cancer with radioactive isotopes, annual, 5/1/66—5/1/67, 22:10781 (NYO-910-59)
MYERS, W. R. DATMON: PDP-9 computer program for simultaneous acquisition of data from one neutron time-of-flight spectrometer and one neutron triple-axis crystal spectrometer, 23:41045 (IN-1287)
  Neutron flux measurement at MTR beam hole HB-3, 21:27802 (IN-1072)
  Neutron scattering in oriented polyethylene at 300, 77, and 4.2°K, 22:39542 (IN-1151)
  Transverse collective atomic vibrations in liquid lead, 21:41754 (IN-1115)
MYERS, W. W. Characteristics of beam from the Argonne ZGS injector linac, 21:29787
MYERS, Walter L. Acquisition of immunologic competence by the pig, 22:20983 (COO-1628-5)
MYERS, Willard G. Uranium concentrations in surface air at rural and urban localities within New York State, 25:49202
MYERS, William D. Anomalies in nuclear masses, 21:4329 (UCRL-17070)
  Average nuclear properties, 24:13439
  Droplet model nuclear density distributions and single-particle potential wells, 24:52674
  Droplet model, 25:53814 (LBL-209)
  Toward a Thomas—Fermi mass formula, 21:42684 (UCRL-17725)
  Toward a Thomas—Fermi mass formula, 23:23769
MYERS, William Don Average nuclear properties, 22:50658 (UCRL-18214)
  Average nuclear properties, 23:40123
MYERS, William Roger Neutron scattering in stretch-oriented polyethylene, 21:19163
MYERS, Willis W. Voltage gradient measurements in Argonne injector linac under beam loaded and transient conditions, 22:32275 (CEAL-2000, pp 261-9)
MYERSCOUGH, C. J. Modified truncation procedure for BBGKY hierarchy, 23:20929
MYERSCOUGH, V. P. Minimum moment required to bind a charged particle to an extended dipole, 21:3675
MYERSCOUGH, Valerie P. Effect of forbidden continuum of H^- in solar atmosphere, 22:36644
  Model atmosphere for R Coronae Borealis, 22:43772
MYERSON, A. L. Atom-formation rates behind shock waves in H and the effect of added O, 22:43904
MYERSON, R. M. Distribution of labeled ^{14}C-cholesterol in terminal patients and the cholesterol content in human tissues, 23:26652
MYHILL, J. Dependence of renal clearance of radioiodide on sex, age, and thyroidal status, 21:8713
  Effect of data error tracer data, 23:50260
  Investigation of the effect of data error in the analysis of biological tracer data, 22:36168
  Long-term changes in thyroidal clearance rate after radioiodine therapy, 22:23466
  Radioisotopic versus ultrasonic testing, 23:50664
  Random error and truncation of data in exponential decay models, 25:16020
  Some effects of data error in the analysis of radiotracer data, 23:31601
  Thyroid control and iodine kinetics studied with a whole-body counter, 23:38387
  Thyroid iodine accumulation and turnover in euthyroid Australian subjects, 24:34050
  X-ray analysis of thyroidal iodine, 24:31719
MYHILL, J. A. Effects of error on compartmental analysis, 23:24553
MYHILL, John Counting iodine- and selenium-labeled compounds in one sample, 24:14533
MYHRA, S. Threshold displacement energy in Ta and Nb, 24:15391
  Threshold displacement energy measurements on Ta and Nb, 23:42392 (COO-1494-7)
MYHRA, Sverre Concentration dependence of Frenkel pair defect annealing in electron irradiated Ta and Nb, 23:42391 (COO-1494-6)
  Dielectric loss and radiation damage in rutile, 24:30400 (TID-25434)
  Frenkel pair defect annealing in electron-irradiated Ta and Nb, 23:46096
  Frenkel-pair defect annealing in electron-irradiated Ta and Nb, 24:15390
MYHRE, D. L. Reduction in plant uptake of ^{90}Sr by soil management treatments, 24:19289
MYHRE, P. C. Rearrangement—fragmentation in aromatic nitration, 25:41818
MYHRE, Philip C. Slow proton transfers in aromatic nitration, 22:27717
  Solvolysis of ethyl tosylate in HSO_3F, 23:45295
  Solvolysis of primary alkyl toluenesulfonates in sulfuric acid, 23:45294
MYHRER, Fred Photo-production of positive pions from ^{16}O, 24:47401
  Pion-exchange contributions to the low-energy photodisintegration of deuterons, 21:46506
  Pion-exchange contributions to the low-energy photodisintegration of deuterons, 21:46516
MYHRMAN, Ulla Energy levels of double-well potentials. II, 25:9248
MYINT, M. T. Magnetic moment of the proton, 22:34245 (TID-24491, pp 1-5)
MYINT, Soe Use of radioactive iodine in thyroid diseases, 24:7953
MYKHAL'CHUK, V. I. Influence of C on structure and thermal emf of W—Re, 22:52173
MYKLAND, N. Intensity of the penumbra of large sunspots, 23:39229
MYKLEBOST, K. Two-body hyperon production by 5.7 GeV/c antiprotons on protons, 24:5242
MYLES, K. M. Thermodynamic properties of solid palladium-rich Pd—Cd, Pd—In, Pd—Sn, and Pd—Sb alloys, 25:11396
MYLONAKIS, Stamatios G. Correlation of secondary α-deuterium isotope effects with primary nitrogen isotope effects, 22:8079
  Energy transfer through hydrocarbon chain during thermal decomposition of azo compound, 23:152
MYLONAS, C. Reduction of ductility by prestraining of maraging steel and 2 Ti-alloy, 21:22864 (SC-CR-67-2539)
MYLREA, Murray M. Neuropathy following irradiation, 21:43518
MYL'TSEVA, V. A. Photographic layers of thickness 1000 to 1200 microns for nuclear research, 24:33941
MYMRIK, N. A. Chromatographic separation of niobium from accompanying elements, 25:37484
  Separation of Nb, W, Mo, and Zr by partition chromatography, 24:50457
MYNATT, F. R. A shield optimization technique with direct utilization of transport calculations, 24:6608
  Angle dependent spectra emergent from slab shields, 22:36960 (K-DP-3106)
  Angle-dependent spectra emergent from slab shields, 22:32442
  Application of discrete-ordinates transport theory to deep-penetration fast-neutron-dose calculations in water, 21:7320
  Calculations of the effect of the air—ground interface on the transport of fission neutrons through the atmosphere, 22:3591 (ORNL-TM-1819)
  Characteristics of secondary gamma ray transport in asymmetric SNAP shields, 22:5396 (K-DP-2623)
  Comparison at two methods of inner iteration convergence acceleration in discrete ordinates codes, 22:32440
  Comparison at two methods of inner iteration convergence acceleration in discrete ordinates codes, 22:37560 (K-DP-3105)
  Design of asymmetric 4 π shields for space reactors, 25:31640 (ORNL-TM-3368)
  Development of two-dimensional discrete ordinates transport theory for radiation shielding, 24:51761 (CTC-INF-952)
  Experimental investigation of neutron streaming through the grid-plate shield of the fast flux test facility, 25:60158 (ORNL-TM-3514)
  Fast-neutron response function calculations for polyethylene-moderated fission chambers, 21:39182 (K-DP-2450)
  Fast-neutron response function calculations for polyethylene-moderated fission chambers, 22:4436
  High-energy neutron transport, 23:23228
  Lateral spread of high-energy (less than or equal to 400 MeV) neutron beams and earthshine, 24:47293 (ORNL-TM-3025)
  Lateral spread of high-energy (less than or equal to 400 MeV) neutron beams, 25:12332
  LMFBR shielding development program. Interim report. Preliminary evaluation of techniques for predicting the spectra of neutrons transmitted by grid plate shields, 24:50097 (ORNL-TM-2896)
  Low-energy electron transport by the method of discrete ordinates, 25:52887 (ORNL-TM-3438)
  Low-energy electron transport with the method of discrete ordinates, 25:30630 (ORNL-TM-3318)
  MUG: program for generating multigroup photon cross sections, 24:12871 (CTC-17)
  Neutron transport in iron, 24:33091
  Neutron transport studies in ducts and simple shields, 22:7338 (ORNL-TM-1965)
  Neutron transport studies in ducts and simple shields, 23:13473 (AERE-R-5773(Vol.4), pp 935-88)
  One-dimensional time-dependent discrete ordinates, 23:36781
  Optimization of a shield for a heat-pipe-cooled fast reactor designed as a nuclear electric space power plant, 25:41576 (ORNL-TM-3449)
  ORNL-SNAP shielding program, 25:36250 (ORNL-TM-3364)
  Prog. rpt. on fast reactor shielding, 7/71, 25:51060 (ORNL-TM-3538)
  Prog. rpt. on fast reactor shielding, 8/71, 25:60055 (ORNL-TM-3573)
  Response functions for Bonner ball neutron detectors, 25:39709 (ORNL-TM-3451)
  Shielding against neutrons in energy range 50 to 400 MeV, 23:44756
  Shielding for advanced reactors in US, 25:46252
  Some characteristics of secondary gamma-ray transport in asymmetric SNAP shields, 22:5402
  Study of mine detection by means of neutron-induced gamma rays, 25:15841 (ORNL-TM-3305)
  Study of mine detection by means of neutron-induced gamma rays, 25:51731
  Study of the overlap conditions required in sequential discrete ordinates transport calculations for a 14-MeV neutron source in a 5000-m radius cylinder of air, 25:43419 (ORNL-TM-3269)
  TDC code, 22:15926 (TIM-847)
  Transport solutions to shielding problems, 23:14854
  Use of two-dimensional discrete ordinates calculations to evaluate streaming effects in annular ducts, 23:36766
MYNATT, Fred R. A review of some recent multidimensional discrete ordinates shielding calculations, 24:6586
MYNCHEV, N. V. Bioelectric activity of nerve and muscle tissue in first hours after x irradiation, 25:29609
MYNCKE, H. Installation for production of intense pulsed magnetic fields, 22:21264
MYNTSOV, F. F. Electrostatic accelerator with overcharging, 23:17030
  Increasing the energy of an electrostatic accelerator, 25:43766
MYNTYAN, V. I. Linear electron accelerators for use in industry, 24:15733
MYOJIN, Takahisa Flow deceleration of T-tube plasmas in a transverse magnetic field, 22:34686
MYOZYO, Yasuo Exotic exchange processes and urbaryon rearrangement diagrams, 25:56479
MYRBERG, N. Chlorine, Na, Br, Cu, Sr, and Mn in human mixed saliva, 22:14464
  Penetration of radioactive isotopes through enamel and dentine. II, 25:2532
MYRHEIM, J. Backward rho$^+$ production in π^+p reactions at 5.2 GeV/c, 25:9665
  Backward rho$^+$-production in strong-absorption model, 25:25419
MYRON, H. W. Energy bands for fcc lanthanum and praseodymium, 24:28437
MYRON, J. J. J. Radiation-induced reactions of some furan chemicals, 23:47464 (ORNL-4373)
  Radiolysis of tetrahydrofuran—cyclohexene mixtures, 23:13743 (ORNL-4320)
MYRON, S. M. Graphite crystal growth, 22:52285 (NAA-SR-12486)
MYRONUK, Donald Joseph Properties of free jets of ionized nitrogen, 25:3070
MYSER, Willard C. Prog. rpt. on radiation on biology and population dynamics of cereal leaf beetle, 9/67—8/68, 23:11983 (COO-1429-4)
  Prog. rpt. on study of radiation on biology and population dynamics of cereal leaf beetle, final, 9/1/68—1/31/69, 23:31886 (COO-1429-5)
  X-ray radiation effects on survival and sterility of cereal leaf beetle, 23:35859
MYSEV, I. P. Development of scintillation and ionization methods in radiometry and dosimetry, 22:43126
  Maintenance of electron equilibrium in the calibration of dosimeters in gamma radiation beams, 25:57860
  Sensitive element for radiothermoluminescent dosimeters for gamma and neutron radiations, 25:57849
  Simplified procedure for calculating the counting rate of detectors and determination of optimal dimensions of measuring volumes in the radiometry of beta-active gases, 22:45285
MYSHKIN, V. A. Effects of radiation and gas admixtures in water on corrosion of zirconium alloys, 22:21658
MYSHKIS, D. A. Experimental investigation of destruction of metastable helium atoms in a plasma at low temperatures, 25:30512
  Experimental study of destruction of metastable helium atoms in plasma at low temperatures, 25:56151 (SC-T-713064)
MYSHLYAEV, M. M. Dislocation motion in Si under influence of electron beam, 22:34772
MYS'KIV, M. G. Phase composition of alloys of Ce—Fe—Al, 24:2957
MYSLEK, B. Internal bremsstrahlung accompanying the electron-capture decay of ^{145}Sm, 23:44900
  Internal bremsstrahlung accompanying the electron capture decay of ^{145}Sm, 23:46983 (INR-1002)
  Levels in ^{159}Tb, 23:44896
  Relative K-capture probability in the unique first forbidden decay of ^{145}Sm, 25:38979 (INR-P-1235)
  Relative K-capture probability in unique first-forbidden decay of ^{145}Sm, 25:59799
MYSLEK, Bogumila Preparation of high purity carrier-free ^{131}Cs source for spectroscopic measurements, 25:54889 (INR-P-1325)
MYSLOBODSKII, M. S. Role of embryonal trauma of the brain in the organization of epileptiform activity, 25:16352
MYTAREVA, L. V. Adenine nucleoproteides in white rats suffering from radiation sickness, 25:57936
MYTELKA, A. I. Radiation treatment of an industrial waste, 21:40934
  Radiation treatment of industrial wastewaters, 24:22862
MYTELKA, Alan I. Energy-induced changes in an azo dyestuff waste, 22:51020
  Radiation treatment of materials, 25:21027
MYTELKA, Alan Ira Energy-induced changes in an azo dyestuff waste, 22:45109
MYTIL, V. K. Method for determining γ field variations at the atmosphere layer, 23:6224
MYTTENAERE, C. Absorption of Co by irrigated rice, 24:41741
  Availability of stable Mn and ^{54}Mn to rice plant in flooded soil, 23:26676
  Behavior of radiocobalt in artificial ecosystem irrigated by submersion, 24:31887 (CEA-CONF-1431)
  Cesium-137 and ^{85}Sr uptake by irrigated and mountain rice, 21:1722
  Cesium-137, stable cesium, and potassium in lowland rice, 23:18013 (CONF-670503-, pp 553-5)
  Indirect radiocesium and radiocobalt contamination of irrigated rice fields, 24:7794
  Relative importance of soil and water in the indirect contamination of flooded rice with radiocaesium, 23:35613
  Transport of radiocobalt in artificial ecosystem, 25:2549
MYTTENAERE, Constant Radiocobalt transfer in continental aquatic and irrigated ecosystems, 25:32392 (CEA-R-4157)
MYULLER, A. S. Investigation of short-range ordering in high-melting point compounds, 25:24596
MYULLER, G. Reaction $\pi^- \longrightarrow \pi^0\pi^0 n$ at 447 MeV, 25:36405 (JINR-P1-5781)
MYUMINOV, T. M. Apparatus for measuring the lifetime of induced nuclear conditions in the nano- and subnanosecond range, 25:18691
MYUND, L. A. Raman spectra of perchlorates of Zn, Cd, Hg, and Pb in H_2O and D_2O solutions, 25:44362
MYZENKOVA, L. F. Constitution diagram of niobium—gallium system, 21:9516
  Effect of alloying additions on the superconductivity of niobium—zirconium alloys, 21:9509

  - Metallography of superconductors, 24:5126
  - Phase diagram of the Nb—Sb system, 21:3517
  - Specific residual electrical resistance in S reversible N transition aspects of wire forms from superconducting materials by the resistivity method, 25:36055
- MYZNIKOV, I. V. Frequency characteristics of a subcritical reactor, 21:14090
- MYZNIKOV, K. P. Calculation of charged particle trajectory in synchrophasotron magnetic field of JINR, 21:988 (JINR-P-2880)
  - Characteristics of accelerated proton beam at 70 GeV accelerator, 25:45836 (IFVE-SKU-70-58)
  - Dynamic accelerated proton beam characteristics in IHEP 70-GeV accelerator, 25:28133
  - Dynamics of accelerated proton beam of the IFVE accelerator, 23:44752 (IFVE-SKU-68-60)
  - Formation of secondary particles in IHEP accelerator, 24:30608 (CERN-Trans-70-2)
  - General scheme of proton ejection for the IHEP accelerator, 24:18315 (CERN-Trans-69-30)
  - General system of proton beam rejection from the accelerator of the Institute for High Energy Physics, 23:44751 (IFVE-SKU-68-57)
  - Measurement of topography of synchrophasotron magnetic field of JINR, 21:985 (JINR-P-2818)
  - Particle dynamics of protons on internal targets of Serpukhov accelerator, 23:44749 (CERN-Trans-69-11)
  - Physical substantiation on the proton slow ejection system at IHEP 70 GeV accelerator, 25:53410 (IFVE-SKU-70-51)
  - Possibilities of rapid ejection of 85-GeV protons from IFVE accelerator, 23:44748 (CERN-Trans-68-22)
  - Project for slow ejection system for 70 GeV IHEP accelerator, 24:26541 (CERN-Trans-70-3)
  - Removal of nonlinear effects in deflecting magnets, 21:11893
  - Resonant extraction of the proton beam from Dubna synchrophasotron, 22:32287 (CEAL-2000, pp 336-42)
  - System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)

N

- NA, T. Y. Solution of MHD boundary-layer equations, 24:28162
- NAASTEPAD, P. A. Preparation of $SmCo_5$ permanent magnets, 23:51026
- NABA, Katsumi Direct measurement of radioactivity in selfluminous paint, 24:20988
  - Environmental radiation studies and precautionary measures. I, 23:38558
  - Environmental radiation studies and precautionary measures on high altitude cosmic rays: fission products from nuclear detonation and aircraft equipment. IV, 23:41491
  - Environmental radiation studies. III, 23:48054
  - Studies on LiF thermoluminescent dosimetry, 24:31740
- NABARRO, F. R. N. Electronic properties of particle-counting diamonds. I, 22:6613
  - Interaction of superconducting flux lines with dislocations, 24:40007
  - Strength of tungsten carbide—cobalt compacts, 23:34108
- NABER, C. T. Ultrahigh vacuum high temperature substrate heater, 21:34539
- NABER, J. A. Application of microwave reflection to study of radiation damage in silicon, 22:31941 (BNL-50083, pp 442-53)
  - Lithium: an impurity of interest in radiation effects of silicon, 25:56309
  - Minority carrier lifetime degradation in neutron irradiated Li-diffused n-type Si, 24:28418
  - Prog. rpt. on radiation effects in silicon solar cells, 7/10/69, 24:535 (N-69-34379)
  - Prog. rpt. on radiation effects in silicon solar cells, 4/10/69, 24:537 (N-69-34973)
  - Prog. rpt. on radiation effects in silicon solar cells, 10/69, 24:14379 (N-69-40757)
  - Prog. rpt. on radiation effects in silicon solar cells, annual, 1/23/70, 24:27481 (N-70-18330)
  - Prog. rpt. on radiation effects in Si solar cells, 24:51239 (N-70-25471)
  - Prog. rpt. on radiation effects in silicon solar cells, 4—6/70, 25:481 (N-70-33998)
  - Prog. rpt. on radiation effects in silicon solar cells, 7—9/70, 25:21485 (N-70-43156)
  - Prog. rpt. on radiation effects on silicon, 4/1/66—6/30/66, 21:13287 (N-66-33436)
  - Prog. rpt. on radiation effects on silicon, 1/1/66—3/31/66, 21:34933 (N-66-30276)
  - Prog. rpt. on radiation effects on Si, 7—9/66, 21:34974 (N-67-12164)
  - Radiation effects on silicon, 22:47442 (N-68-23246)
  - Recombination lifetimes in high-purity silicon at low temperatures, 23:34495
  - Short-term anneal of 30-MeV electron damage in high-purity n-type silicon, 25:22612
- NABER, J. B. Prog. rpt. on radiation effects on Si, 10/1/66—12/31/66, 22:769 (N-67-25672)
- NABER, James Allen Pulse and radiation annealing of N-type Ge, 21:18830
- NABESHIMA, Akio Technetium-99m and /sup 113m/In scans in 101 intracranial tumors, 24:774
- NABESHIMA, Sachio Serial brain scanning with /sup 99m/Tc, 23:50667
- NABETA, T. Core temperature analyses for loss-of-coolant accidents of light water reactor, 25:20762 (JAERI-Memo-4194)
- NABI, N. Rice irradiation: taste panel report on organoleptic tests, 21:20453 (AECD/RB-1)
- NABI, Syed Ashfaq Synthesis and ion-exchange properties of thorium tungstate: separation of La^{3+} from Ba^{2+}, Sr^{2+}, Ca^{2+}, and Y^{3+} and of VO^{2+} from Fe^{3+} and Mn^{2+}, 25:21111
- NABICHVRISHVILI, D. S. Pi^{+} meson production in pp interaction at 660 MeV, 24:8562
  - Production of slow π mesons by 660-MeV protons in interactions with photoemulsion nuclei, 25:53010
  - Production of the underbarrier π mesons in the interaction of protons with energy 9 GeV with heavy nuclei of the emulsion, 22:1384
  - Taking account of particles leaving a detector due to scattering, 23:35514 (JINR-P1-4490)
  - Yield of slow π mesons from nuclear emulsion, 22:39260
- NABICHVRISHVILI, M. A. Effect of Nb on structure and properties of Cr—Mn steels, 22:28794
- NABICHVRISHVILI, V. A. Coulomb excitations of lower levels in the isotopes ^{204} ^{206} ^{207}Pb and ^{209}Bi, 21:2742
  - Spectrum of ^{182}W conversion electrons in hard energy range, 24:3945
- NABIELEK, H. Influence of photoelectron statistics on time-correlations in fast coincidence measurements, 21:17870
- NABIELEK, Heinz Investigation of the transfer rates of electromagnetic transitions by measurement of the lifetimes of excited energy levels after neutron capture, 23:28302 (SGAE-PH-78/1968)
- NABIEV, M. N. Arsenato—iodometric determination of cerium(IV), 23:11407
  - Arsenato-iodometric determination of Ce(IV) and Al simultaneously, 25:51373
  - Determination of thorium and cerium in mixtures, 23:49722
  - Iodimetric determination of Fe(III) and Ce(IV) when both are present, 24:18884
- NABIVANETS, B. I. Properties of niobium and tantalum in solutions, 23:45253
  - Separation of small amounts of niobium from titanium and tantalum by means of the anion exchanger from ethanol—hydrochloric acid solutions, 23:2243
- NABLO, S. Physical phenomena in bombardment ion sources, 21:9351
- NABLO, S. V. Electron beam mapping studies on 4 Mv facility, 21:15442 (SCL-CR-66-158)
  - Generation and diagnosis of pulsed relativistic electron beams above 10^{10} watts, 21:38094
  - Techniques for the study of self-focusing electron streams, 21:16834
  - Time resolved electron deposition studies at high dose rates in dielectrics, 22:13579
- NABLO, Sam V. High potentials in electron-irradiated dielectrics, 21:27246
- NABOKA, V. A. Adiabaticity of the motion of plasma bursts in longitudinal magnetic fields, 21:15135
  - Development of instability in a plasmoid upon injection in an axially symmetric magnetic field, 21:3900
- NABORS, Charles J. Jr. Biochemical changes induced by internally deposited radionuclides, 23:38795
  - Biochemical changes induced by internally deposited radionuclides in beagle dog blood, 24:542 (COO-119-240, pp 243-61)
  - Bone cancer induction by radionuclides: incidence vs. dose, 25:24336 (COO-119-242, pp 385-401)
  - Comparison of serum transaminase levels in dogs burdened with ^{239}Pu, ^{228}Th, ^{228}Ra, and ^{226}Ra, 23:26886
- NABOW, S. E. CVTR operating experience, 21:2844
- NABRIT, Samuel M. Contribution of biology to standards of radiation protection, 22:8520 (CONF-670305-, pp 192-6)
  - Overview of the developing technology of food irradiation, 21:30936 (CONF-670202, pp 1-7)
- NABUTOVSKAYA, O. A. Microhardness of Gd near the Curie point, 24:6190
- NACCACHE, Claude Irradiated silica-Al. II, 23:17486
- NACE, Harold R. Nor steroids. VI, 22:2051
- NACFAIRE, H. Power density distribution in the core of BWR power station at Garigliano, 22:22734
- NACHAMKIN, J. Numerical calculation of nuclear slater integrals, 22:22619 (AECL-3041)
  - Variational buildup of nuclear shell model bases, 23:13328
- NACHAMKIN, Jack Effective interactions in nuclear structure, 21:19303
  - G matrix interaction in the 1p shell, 22:27295
  - G-matrix interaction in the nuclear 1p shell, 22:7773
  - Generalized pairing forces in nuclei, 21:17431
- NACHBAR, H. U. Multichannel differential-discriminator with stable time information, 23:43630
  - Nuclear electronics: a versatile delay-gate generator without recovery-time, 21:45461
- NACHMAN, Manfred Effects of nuclear radiation on electrical properties of non-stoichiometric nickel oxide, 21:33019
- NACHTIGAL, D. Immune tolerance in x-rayed rabbits, 23:45676
  - Kinetics of immune tolerance to human serum albumin induced in sublethally x-irradiated rabbits, 23:22228
- NACHTIGALL, D. Average and effective energies, fluence-dose conversion factors, and quality factors of the neutron spectra of some (α,n) sources, 21:15470
  - Bremsstrahlung distribution at Van-de-Graaff accelerator for positive ions, 22:9729
  - Comparison of health physics measuring procedures at accelerators, 24:46516 (DESY-70/27)
  - Contribution of intermediate energy neutrons to dose outside shielding of reactors and accelerators, 21:6540
  - Determination and accuracy of results of rem-counter measurements, 22:21362
  - Effective and average neutron energies of (α,n) sources behind H containing shielding, 22:39563
  - Induced ^{24}Na activity in the concrete shielding of high-energy accelerators, 21:2543 (CERN-66-28)
  - Measurement of flux density and dose rate removal cross sections of various shielding materials for neutrons, 21:27224 (JUL-435-ST)
  - Methods for measuring flux density and dose rate equivalents of neutrons in the energy region between thermal energies and 50 MeV, 21:17882
  - Neutron calibration techniques with (α,n) sources, 21:14482
  - Neutron dosimetry: methods of management, 23:47855
  - Practical personnel dosimetry of thermal neutrons, 23:12114
  - Use of LET spectrometer in radiation protection dosimetry, 24:27585 (CONF-690540-, pp 548-75)
- NACHTIGALL, Dieter Basic physics for dosimetry and radiation protection, 25:46846
  - Table of specific gamma ray constants, 24:33113
- NACHTMANN, O. Coulomb corrections to Adler's PCAC test in nuclei, 25:59406
  - CP violation and cosmological fields, 24:15613
  - Final-state Coulomb corrections to neutrino reactions, 24:49425
  - Fluxes of low-energy protons behind shutters in electric and magnetic fields, 24:51870
  - New results in the quark parton model, 25:33649 (LPTHE-TH-71/12)
  - Phenomenological investigation of inelastic electron—proton scattering, 25:27999
  - Proton recoil spectrum of thermal neutrons decaying in vacuum, 23:39680
  - Total photoabsorption in nuclei and the value of the rho-nucleon cross-section, 25:22819
  - Two-baryon sector of soluble models with indefinite metric. I, 24:1567
  - Two-baryon sector. II, 24:1566
- NACHTMANN, Otto Continuous creation in a closed world model, 22:4987
  - Dynamic stability in de Sitter space, 23:39808
  - Gravitation mass and light deflection, 22:39482
  - Most general linear theory of gravitation, 23:51997
  - Relativistic corrections to recoil spectrum in neutron β decay, 22:50356
  - Unitary representations of groups SO(p,q), SU(p,q), 21:33732
- NACHTWEY, D. A. Injury accumulation and recovery in sheep exposed to protracted ^{60}Co gamma radiation, 21:14658
- NACHTWEY, D. S. Differential lethal effects of mixed reactor radiations on logarithmic-phase and synchronized tetrahymena pyriformis, 23:6558 (AD-671943)
  - DNA synthesis in relation to cell division in Tetrahymena pyriformis, 21:10239 (USNRDL-TR-1084)
  - Effect of x-irradiation on the response of human peripheral lymphocytes to phytohemagglutinin, 22:43200 (AD-664651)
  - Injury accumulation and recovery in sheep exposed to protracted ^{60}Co gamma radiation, 21:18122 (USNRDL-TR-1053)
  - Recovery from radiation injury in swine, 21:34759
- NACHTWEY, D. Stuart Effects of ultraviolet light irradiation on cell division in synchronized Tetrahymena, 21:32804 (USNRDL-TR-67-58)
  - Inhibition of regeneration of planaria by midlethal exposures to x rays, 23:16374 (AD-668330)
  - Methods for studying time course of cell division in clones from leukemia cells, 23:16221 (AD-668164)
- NACK, M. L. Rarita—Schwinger formalism for boson fields, 24:35705
- NACTOYASHCHII, A. F. Ionization equilibrium in plasma diode, 22:2882 (IAE-1160, pp 43-8)
- NACU, A. Gravimetric determination of Zr, 23:31
- NAD, A. Pulsed reactor potentialities for neutron activation analysis, 25:10489 (KFKI-70-25-NAC)
- NAD, F. Ya. Current—voltage characteristic of an irradiated superconducting point contact, 24:40006
- NAD, J. Collector system of an isotope separator for investigating short-lived isotopes, 25:56584 (JINR-P6-5888)
- NAD, L. Determination of U in urine, 22:38270
  - Measurement of relative probability of ternary fission of ^{233}U, ^{235}U, ^{238}U, and ^{232}Th, 23:5883
- NAD, T. Measurement of relative probability of ternary fission of ^{233}U, ^{235}U, ^{238}U, and ^{232}Th, 23:5883
- NADA, Hideyuki Approximate solution and measurement of the steady temperature distribution in a finite region with many circular holes, 25:8413
- NADA, M. M. Protection from ^{32}P in rats, 21:45643
- NADA, N. Calcium sulfate activated by thulium or dysprosium for thermoluminescence dosimetry, 25:44700
  - Calcium sulfate phosphor activated by rare earth, 23:7803 (CONF-680920-, pp 4-17)
- NADA, Naohiro Thermo-luminescence type radiation dosimeter, 23:9775
- NADACHOWSKI, M. 10 MHz decimal counter with logic gates, 23:41133 (INR-1052)
  - Timing single channel pulse height analyzer, 21:16219 (INR-763/III/E)
- NADACHOWSKI, Michal Timing single channel pulse height analyzer, 21:36452
- NADACKAPADAM, X. Operant behavior of pre- and post-pubertal rats irradiated with ^{131}I, 25:58100
- NADAI, J. P. ^{18}O study of the source of oxygen in the anodic oxidation of silicon and tantalum in some organic solvents, 25:35293
  - Microanalysis by the direct observation of nuclear reactions using a 2 MeV Van de Graaff, 25:45862
  - Study of the oxygen growth laws of anodic oxide films on aluminum and tantalum using nuclear microanalysis of ^{16}O and ^{18}O, 25:35294
- NADAL, J. Inhibition of the active transport of sugars by x irradiation in vitro of intestinal sacs, 21:24362
- NADAL, R. Role of superficial radiotherapy in the local treatment of acne vulgaris, 22:47553
- NADALI, L. Hematological aspects and hepatic functionality after endocavitarial, interstitial, and endo-arterious administration of ^{32}P, 22:33949
  - Local therapy of tumors with implantation of pellets labelled with ^{32}P, 21:28547

- NADALIN, R. J. Analysis of rotor steels for residual elements, 24:9230
- NADARAJAH, A. Triton X-100 scintillant for counting ^{45}Ca in biological fluids, 24:486
- NADAREISHVILI, K. Sh. Change of mechanical and electrical properties in monomolecular film of lightly irradiated crystalline myosin, 21:22334
  - Comparative radio sensitivity of membranes of isolated nuclei, isolated from various organs and tissues, 24:50740
  - Dynamics of the changes in the background and induced electrical activity in the visual systems of the rabbit brain during irradiation, 23:927
  - Effect of x radiation on the potential difference of frog's isolated skin, 23:38781
  - Effects of electrolytes, acetycholine, ATP, and ionizing radiation on properties of monomolecular myogen and myosin layers, 21:34588
  - Effects of x rays on metabolism of calcium ions in muscle cells, 25:29674
  - Electrical potentials of cerebral cortex by local x irradiation, 24:32201
  - Influence of ionizing radiation on monomolecular layers of crystalline myosin, 21:36518
  - Ionizing radiation effects on contractile functions of frog striated muscles, 21:20048
  - Local ionizing radiation effects on the heart activity in frogs, 22:12905
  - Problems of ionizing radiation effects on the cardiovascular system, 21:34811
  - Radiation effects on skeletal muscles in frogs, 21:24616
  - Radiation-induced contracture of striated muscles, 21:34784
  - Radiosensitivity of the membranes of isolated nuclei of nerve and glial cells, 22:51361
  - Responses of rabbit cerebral cortex during irradiation, 24:44599
  - Some methodic peculiarities of microelectrophysiological investigation under exposure to rays, 21:10748
- NADAV, E. Alignment and calibration of fast multi-coincidence systems, 22:14894
  - Automatic folding in Moessbauer experiments through forward—backward operation of multichannel analyzer, 22:405
  - Timing circuit for Ge(Li) detectors, 21:36380
- NADEAU, Andre Internal friction peaks in polycrystalline Mo, 24:17303
- NADEAU, J. S. Flow stress on nonstoichiometry in oxygen-rich uranium dioxide, 23:22656
  - Reply by J. S. Nadeau [on measuring flow stress of UO$_2$], 24:1098
  - Strength of nonstoichiometric oxides, 21:36913 (67-C-243)
  - Temperature gradient induced migration of He filled pores in KCl, 23:34093
- NADEAU, John S. Strength of nonstoichiometric oxides, 23:6752
- NADEEM, Muhammad Tahir Effect of gamma radiation on properties of basmati rice, 24:29905
- NADEEZHIN, D. K. Light curves of supernovae, 24:15034
- NADEL, D. J. Experiments on Mediterranean fruit fly control with sterile-male technique, 24:32305
  - Pre-release phase of the 1969 Mediterranean fruit fly suppression experiment in Italy, 25:24509
- NADEL, Jay A. Pulmonary deposition and clearance of ^{131}I-labeled oil after lymphography in man. Correlation with lung function, 25:24450
- NADELHAFT, I. Digitizer for spark chamber photographs, 21:12670
  - Resolution of a large sodium iodide crystal using electrons of 25.2 MeV and 40.8 MeV, 24:2468
- NADELHAFT, Irving Muon capture in lead, 23:10994 (CAR-882-23)
- NADEL-SHIFMAN, M. Effect of radiation on the ripening of bananas and avocado pears, 24:48779
- NADEZHDA, A. A. Extraction of Sr by Azo-azoxy BH reagent, 22:51054
  - Solvent extraction of chelate compound of Sr with azo—azoxy PMP, 23:28961
- NADEZHDIN, G. M. Characteristics of Ta elasticity at 20 to 1800°C, 22:34056
- NADEZHDIN, G. N. Effect of carbon [and zirconium] on elasticity and long-term hardness of niobium at high temperatures, 25:673
  - Hardness characteristics of Nb at high temperatures, 24:25704
  - Influence of carbon on the elasticity and prolonged hardness of niobium at high temperatures, 24:48847
  - Mechanical properties of electron-beam-melted Mo, 24:17267
  - Temperature dependence of the modulus of normal elasticity of niobium and its alloys, 25:672
- NADEZHDIN, V. S. A(theta) asymmetry in elastic 635-MeV pp-scattering, 21:23306 (JINR-E1-3194)
  - Angular dependence of depolarization parameter in pp scattering at 635 MeV, 24:20073
  - Check of T invariance in 635-MeV proton—proton elastic scattering, 24:10805
  - Investigation of the reaction pp $\rightarrow$ π^+ np at 650 MeV, 25:17370 (JINR-P1-5570)
  - Measurement of 635 MeV proton beam polarization, 21:21322 (JINR-P1-3189)
  - Measurements of differential cross sections for reaction (π^+,2p) on ^{6}Li nucleus at π-meson energy E = 85 +- 4 MeV, 25:50625 (JINR-P1-5832)
  - New measurements of angular dependence of depolarization parameter in 635-MeV pp scattering, 23:42689 (JINR-P1-4536)
  - Phase-shift analysis of elastic p—p scattering at an energy 635 MeV and inelastic interaction cross sections, 23:8727 (JINR-P1-4155)
  - T-invariance check in 635 MeV elastic proton—proton, 24:52165
  - T-invariance check in 635-MeV elastic proton—proton scattering, 23:46604 (JINR-E1-4650)
  - U(theta) asymmetry in elastic 635 MeV pp-scattering, 22:13651
- NADEZHDINA, G. B. Determination of Nb with disulfophenol S and sulfochlorophenol S, 24:9235
- NADEZHDINA, G. V. Tetrahydrate acetates of the rare earth elements, 21:35925 (LA-tr-67-50)
- NADEZHIN, D. K. Emergence of a shock wave into an extended envelope of a star and supernova explosions, 24:21451 (UCRL-Trans-10439)
  - Influence of line absorption on the internal structure of massive stars, 22:832
  - Kinetic equilibrium of β processes in stellar interiors, 21:28904
  - Modern theory of star evolution and experiments of F.Reines on anti τe scattering detection, 25:25386
  - Neutrino energy radiation in β interaction of electrons and positrons with nuclei, 22:13106
  - Neutrino radiation by URCA process at high temperatures, 23:51165
  - Similarity solution for collapse through energy losses by neutrino radiation, 23:36318
  - Similarity theory for stellar models, 22:45885
- NADEZHINA, L. S. Development of method for separation of rare earth elements from alloys containing Fe, Cr, and Ni, 25:6419
  - Electrode reactions of some rare earth elements at the mercury dropping electrode, 25:51474
  - Oscillopolarographic determination of certain rare earth elements in alloys based on Fe, Ni, and Cr, 23:15790
- NADGIR, S. B. Atmospheric diffusion of ^{41}Ar, 23:47648
  - Automatic data telemetering system for meteorological and radiation data, 22:397
- NADGORNYI, E. M. Annealing of radiation defects in gamma-irradiated NaCl crystals, 25:49988
  - Dislocation mobility in γ-irradiated NaCl crystals, 25:49986
  - Dislocation motion in secondary slip planes in alkali halide crystals, 24:26331
  - Mobility of dislocations in gamma-irradiated NaCl crystals, 24:26300
  - Photomobility of dislocations in irradiated potassium chloride crystals, 22:49864
- NADIRADZE, A. A. Lanthanum and cerium thermal reduction of ytterbium oxide, 21:26769
- NADIRASHVILI, L. Sh. EPR spectrum of silica gel irradiated in reactor at low temperatures, 24:29312
- NADJAKOV, E. Coupling of collective modes in deformed nuclei, 25:12702
  - Decay ^{177}W $\rightarrow$ ^{177}Ta, 24:28801
  - Description of the nuclear rotational bands by the collective variable method, 22:7756
  - Formulating microscopic theory of nuclear collective motion, 25:5811
  - Model application of a nuclear rotation theory, 24:11057
  - New isotopes, ^{176}Re and ^{175}Re, 22:9880
  - New tungsten isotopes, 25:34074 (JINR-P6-5618)
  - Rotons in description of nuclear transition rates, 24:28836
  - Rotons in nuclear theory, 24:30878
  - Rotons in nuclear theory, 24:43506
  - Three-dimensional description of nuclear rotation by the method of collective variables, 23:49457
  - Two-dimensional soft rotator in a theory of nuclear rotation, 23:49456
- NADJAKOV, E. G. Generalized SU$_3$ rotons in Elliott model, 24:49956
- NADJAKOV, G. Current oscillation in hollow-cathode discharge, 22:52815
- NADJMI, M. Therapy of Cushing syndrome by implantation of ^{90}Y in the hypophysis, 21:26529
- NADJMI, W. Yttrium-90 implantation in hypophysis in Cushing's syndrome, 23:22328
- NADJO, L. Disproportionation and ECE mechanisms. III, 25:54585
- NADKARNI, D. M. Angular anisotropy of fission fragments in ternary fission of ^{235}U induced by 3-MeV neutrons, 22:27099
  - Angular anisotropy of fission fragments in ternary fission of ^{235}U induced by 3-MeV neutrons, 22:29979 (BARC-318)
  - Angular anisotropy of fission fragments in 3-MeV neutron induced binary and ternary fission of ^{235}U, 22:32630
  - Angular distribution of fission fragments in binary and ternary fission of ^{235}U induced by 3 MeV neutrons, 21:15549 (CONF-660221-, pp 38-42)
  - Angular distribution of fission fragments in the neutron induced fission of ^{235}U, 24:15891
  - Correlated emission of K x-rays from ^{252}C fission fragments, 25:50776
  - Energy—angle correlation of long range alpha particles emitted in thermal neutron fission of ^{235}U, 23:28293 (BARC-362)
  - Energy-angle correlation of long-range alpha particles in thermal fission of ^{235}U, 23:19273
- NADKARNI, G. B. Enzymes of glucose formation and turnover in x-irradiated rats, 23:806
  - Formation and excretion of taurine in x-irradiated rats, 25:502
  - Gluconeogenesis in vivo from glycine in x-irradiated rats, 23:5026
  - Metabolism of histidine in x-irradiated rats, 24:50773
  - Rapid labeling of RNA in Saccharomyces cerevisiae during gamma irradiation correlated with catalase formation, 22:19252
- NADKARNI, G. D. Simple method of estimating folic acid absorption, 21:22525
- NADKARNI, M. N. Co-extraction studies of uranium and plutonium with tributyl phosphate in nitric acid media, 24:11648 (BARC-432)
  - Partitioning of Pu from U by reduction to Pu(III) with ferrous ions and hydrazine, 23:379
- NADKARNI, R. A. Allende meteorite: some major and trace element abundances by neutron activation analysis, 24:6294
  - Analyses of cigarettes by instrumental neutron activation analysis, 24:46202
  - Determination of manganese in steel by neutron-activation analysis, 25:57
  - Determination of Mo and Pd by neutron activation analysis, 24:160
  - Determination of Mo in steels by neutron activation analysis, 23:20
  - Determination of silicon, phosphorus, and sulfur in alloy steel by neutron activation analysis, 22:35765
  - Determination of trace elements in tobacco by neutron activation analysis, 24:2164
  - Instrumental neutron activation analysis of biological materials, 23:37923
  - Neutron activation analysis of tobacco products, 24:125
  - Neutron activation analysis of wheat flour samples, 25:20959
  - Substoichiometric determination of molybdenum in steels by neutron-activation analysis, 23:7493
  - Substoichiometric determination of selenium by neutron activation analysis, 25:57380
- NADKARNI, V. B. Structure of the corpuscle of Stannius in normal and radiothyroidectomized Chinook fingerlings and spawning Pacific salmon, 21:14737
- NADLER, H. Control of stoichiometry in the growth of crystals of uranium monocarbide, 21:14874
  - Third-order elastic constants of single-crystal and polycrystalline columbium, 22:37039
- NADLER, M. A. Fabrication methods for PBI adhesive Be sandwich structures, 22:13052
- NADLER, Max A. Boron/epoxy support strut for non-integral cryogenic tankage, 24:12456
- NADLER, N. J. Radioautography as a technique in tracer methodology, 22:16474
- NADLER, R. A. Development of V alloys for LMFBR cladding, 23:3052
  - Mechanical and physical properties of vacuum hot pressed and extruded beryllium, 24:39633 (WANL-TME-1106)
  - Prog. rpt. on V alloy cladding, 9/30/68, 23:12261 (WARD-3791-25)
  - Prog. rpt. on V cladding alloy, 12/31/67, 22:21699 (WARD-3791-13)
  - Prog. rpt. on vanadium alloy cladding, 4—6/68, 22:45757 (WARD-3791-20)
  - Prog. rpt. on vanadium alloy cladding development, 12/68, 23:24794 (WARD-3791-30)
  - Prog. rpt. on vanadium alloy cladding, 3/69, 23:48392 (WARD-3791-34)
  - Prog. rpt. on vanadium alloy cladding development, 6/30/69, 23:51039 (WARD-3791-38)
  - Prog. rpt. on vanadium cladding alloy development, 9/67, 22:8710 (WCAP-3791-9)
  - Prog. rpt. on vanadium cladding alloy development, 3/68, 22:34046 (WARD-3791-17)
- NADOLINSKAYA, I. N. Removal parameters of radon and thoron decay products from air, 25:29217
- NADOLSKI, Michael E. Architectural damage from seismic disturbances, 23:29036
- NADOL'SKII, A. P. Distribution of W, Ta, and Nb when tungstite concentrate is dissociated, 24:27748
  - Equilibrium potentials of molybdenum in CaCl$_2$—CaMoO$_4$ melts, 22:33351
  - Reaction of scandium oxide with tungsten trioxide, 21:22933
- NADOR, K. Radioprotective effect of N-substituted AET-derivatives having amino acid structure, 25:4577
- NADSON, G. A. Action of radiation on microorganisms and experimental mutagenesis. II, 23:22253
- NADTOCHII, V. G. Mechanism of reaction ^{16}O(d,α)^{14}N, 24:8846
- NADUBOVICH, Yu. A. Bursts of lambda6300- and lambda5577-A emissions in auroras, 25:33147
  - Characteristics of fragmentary formations of bandlike auroras, 24:30274
  - Eleven-year auroral activity cycle according to observations at Tixie in 1957—1969, 25:47442
  - Width of band-shaped auroral forms, 24:30260
- NADY, Louie Electrochromatographic separations of rare earths, 25:221 (UCRL-19526)
- NADYKTO, B. T. Effects of nuclear radiation on the activity of a palladium catalyst for the hydrogenation of butynediol, 25:57448
  - Neutron method for measuring humidity of casting mixtures, 23:45564
- NADYOZHIN, D. K. Theory of the light curves of supernovae, 25:24690
- NADYRSHINA, A. F. Electron emission from molybdenum and platinum during bombardment by negative chlorine ions, 23:20665
- NADZHAFKULEV, N. A. Arsenate method for a micro iodometric determination of scandium, 25:34508
- NADZHAFKULIEV, N. A. Arsenate method for iodometric determination of scandium in the presence of iron, 25:10465
- NADZHAFOV, I. M. Investigation of $e^- + e^+ \rightarrow \mu^- + \mu^+ + \gamma$ process in nonlocal theory taking into consideration polarization of particles, 22:9532
  - Many-photon polarized bremsstrahlung, 24:24302
  - Multiphoton bremsstrahlung, 25:1450
  - Polarized γ quanta scattering in nuclear field with production of e^+e^- pair and several photons, 25:5335
  - Radiational scattering of neutrinos over leptons, 24:37723
  - Scattering of γ-quantum in field of nucleus with creation of e^-e^+ pair and several photons, 25:12158
- NADZHAKOV, E. Description of nuclear rotational band by collective variable method, 21:27622 (JINR-P4-3204)
  - Level scheme of ^{149}Sm, 21:7789
  - New isotopes ^{176}Re and ^{175}Re, 21:4275 (JINR-P-2910)
  - New isotopes of iridium, 25:28348 (JINR-P6-5617)
  - Optimum separability condition for the rotational degree of freedom and the nuclear moment of inertia, 21:1123 (JINR-P-2865)

- NADZHIMIDDINOVA, M. T. Concerning the mechanism of radiolysis of aqueous solutions of cellobiose, maltose, and gentiobiose, 23:17480
  - Concerning the thermal properties of radicals formed on radiolysis of chilled aqueous solutions of DNA, 23:11548
  - Electron paramagnetic resonance study of the free-radical state, formed on irradiation of frozen solutions of cellobiose, gentiobiose, and maltose, 22:33456
  - EPR studies of formation and transformation of radicals during irradiation of frozen hydrous lactose solutions, 22:45132
  - Protective action of propyl gallate in radiolysis of aqueous DNA, 23:2348
  - Radiolysis of aqueous solutions of ribose, 23:11559
  - Radiothermoluminescence of ice and frozen aqueous DNA solutions, 24:11600
- NADZHM, A. Properties of rare-earth metals (Sc, Nd), their hydrides, carbides, and oxides, 25:29859
- NAEEM, A. Momentum spectra of secondary particles in π—p interactions at 7.0 GeV/c, 23:5545
  - Single pion production in π^-p collisions at 7.0 GeV/c, 23:34537
  - Transverse momentum distribution of pions in two and six prong events from π^--p collisions at 7.0 GeV/c, 23:5538
- NAEGELE, H. P. Investigation of ^{6}Li(d Vector,α)^{4}He reaction, 25:59737
  - Reaction ^{6}Li(d Vector,α)^{4}He below 1 MeV, 25:53630
- NAEGELE, Robert F. Nongenetic reactivation of frog PCDV, 24:17176
- NAEGELIN, R. Fuel manufacturing, Swiss aspects, 25:35313
  - Integrated and pressure tube design for a gas cooled, heavy water moderated reactor, 23:28429
- NAEGERL, H. Decomposition mechanisms of $Mg(OH)_2$ and $Mg(OD)_2$. II, 25:31923
- NAEHER, Carl H. Oscillations of electric arcs in argon cross-flow, 21:35175
- NAEPFEL, H. Energy spectrum of ^{183}W, 24:18425
  - Theory for treatment of many-particle systems with spin, 22:39222
- NAESER, C. W. Fission-track ages of minerals of California, 24:20888
  - Use of apatite and sphene for fission track age determinations, 22:35932
- NAESLUND, John Effect of high-energy protons on Vx2 carcinoma, 23:41392
- NAETS, Guido World market for nuclear reactors, 23:26015
- NAETS, Jean-Pierre Clinically applicable fluoro-kinetic method for bone blood flow determination, 24:29696 (UCRL-18793, pp 43-51)
  - Markedly increased bone blood flow in myelofibrosis, 24:34427 (UCRL-19420, pp 9-18)
- NAFF, J. T. PULSITRON: a compact, high-current electron beam accelerator, 25:50394
- NAFF, W. T. Electron attachment and excitation processes in selected organic molecules, 25:34469 (ORNL-TM-3410)
- NAFT, Barry N. Development of an automated fuel loading optimization scheme for pressurized water reactors, 25:10184
  - Optimizing fuel loading patterns in PWR's, 24:33353
- NAFTALIN, Richard Effects on host-cell ribonucleic acid metabolism of encephalomyocarditis virus exposed to ultraviolet irradiation, 22:8659
- NAFTOLIN, F. Serum HLH levels in ovarian and systemic vein blood by radioimmunoassay, 24:29692
- NAFTULIN, S. M. High voltage stabilizer for electromagnetic separator, 21:22211
  - Ion accelerator ILU (100-keV) with mass separation of ions, 24:13233
- NAG, B. D. Bone marrow myelopoiesis and circulating granulocyte changes in the rat after intravenous injection of ^{32}P, 22:6875
  - Construction and operation of a low level, windowless 4π, 24:14255
  - Ionic distribution studies in haemolymph from different parts of periplaneta americana by radioactive tracers, 23:9852
  - Nuclear radiation effects in semiconductor and temperature measuring devices, 22:30926
- NAG, B. R. Electron velocity distribution and the interpretation of cross-modulation experiments, 23:34336
  - Low-field conduction in D region in presence of high-field signal, 22:47911
- NAG, K. Chemistry of lanthanons. XIX, 23:11491
  - Chemistry of lanthanons. XVIII, 23:2299
  - Chemistry of lanthanons. XXI, 23:35067
- NAGA, Osamu Radioimmunoassay using an immunoadsorbent of polymerized anti-HCG, 24:4546
- NAGABHUSHANAM, K. Representation of a stochastic process based on its mean value, 24:2081 (ORNL-4417)
- NAGABHUSHANAM, Y. Diurnal variation of cosmic rays during the decline period of solar activity, 21:3718
- NAGAHAMA, Y. Temperature rise of specimen due to electron irradiation, 25:5163
- NAGAHARA, Sadao Pathology of radiation fibrosis of the lung, 25:8791
- NAGAHARA, T. Gamma rays from /sup 109m/Pd, 21:25478
- NAGAHARA, Teruaki Activation analysis of cancerous tissue. I, 22:47
  - Consideration on the diagnosis of malignant tumor with P-I-N type semiconductor detector, 22:45288
  - Construction of a germanium p-i-n detector, 23:14016
  - Decay of 32.2 min ^{138}Cs to ^{138}Ba, 24:20402
  - Fabrication of a large volume Ge(Li) detector, 24:11779
  - Gamma ray spectra of radioactive fallout with Ge(Li) detector, 22:36259
  - Level structure of ^{138}Cs from the short-lived fission product ^{138}Xe, 23:21339
  - Measurement of captured γ rays, 23:37193 (KURRI-TR-10, pp 66-70)
- NAGAHARA, Yukio Fabrication of a large volume Ge(Li) detector, 24:11779
  - Reaction ^{15}N(p,α)^{12}C in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
- NAGAHATA, Yasuo Reactor control-rod drive, 22:14324
- NAGAI, Akihiko Viscoelastic properties of single-crystal polymers obtained by radiation-induced solid-state polymerization, 21:30448
- NAGAI, Akio Accelerating cavity-body for a linear ion accelerator, 22:9745
  - Cockcroft-Walton electron accelerator for Radiation Center of Osaka Prefecture, 25:17663
  - Electron beam curing of coatings, 24:41380
  - Electron beam curing of paint films, 24:31395
  - Focusing system for Mitsubishi proton linear accelerator, 23:32877
  - Method for fabricating a drift tube for a linear ion accelerator, 22:18072
  - MPL-5 proton linear accelerator, 22:22501
  - Rf system for Mitsubishi proton linear accelerator, 23:32876
- NAGAI, Fumio Design study of Fast Neutron Source Reactor, 24:20607
  - Some studies on the effectiveness of control rods, 21:44949
- NAGAI, Haruo Preparation and properties of BeO thin films, 23:51103
- NAGAI, Hideaki Mass levels and decay probabilities of nucleon resonances, 21:27372
  - Mass splitting among baryons in ground states, 21:27358
  - On the structure of baryons, 21:2470
  - Strong decays of baryons, 22:1437
- NAGAI, Hideo Paper chromatography of rare earth elements with the developer containing oxine and chloroform, 25:37476
  - Separation of rare earth elements, 23:49899
- NAGAI, Hiroyuki Even-parity states of ^{16}O, 25:28191
  - Shell model studies of 1f,2p-shell nuclei. II, 21:4358
  - Shell-model studies of 1f,2p-shell nuclei. IV, 23:1859
- NAGAI, Hitoshi Composition of Ce TTA complexes and oxidation of Ce(III) ion, 21:1254 (ORNL-tr-1385)
  - Spectrophotometric determination of boron in U_3O_8, 23:15796
  - Spectrophotometric determination of boron in U_3O_8 with Methylene Blue, 23:19622
  - Spectrophotometric determination of tantalum with methylene blue, 25:12947
- NAGAI, Isamu Report on the work of the ABCC, 22:10788
  - Research activities at Hiroshima and Nagasaki branch laboratories, 22:8579
- NAGAI, Iwao Activation analyses of several mixed rare earth elements by means of photonuclear reaction, 21:38881
  - Photoactivation of rare-earth elements with 20-MeV bremsstrahlung, 21:35467
- NAGAI, Jiro Fission tracks in zircon: age, distribution, and concentration of U, 24:44102
- NAGAI, Jun X-ray and adenosine triphosphoric acid. III, 21:24458
- NAGAI, K. Textiles treated against contamination from radioactive materials, 25:52098
- NAGAI, Katsumi Cobalt-60 rotatory conformation teletherapy unit, 22:265
  - Device for making cams for a medical focusing-system, 22:12501
  - Dose distribution analyser for film dosimetry, 23:20017
  - Radiation apparatus for medical treatment, 23:6253
  - Some characteristics of medical betatrons, 21:9893
- NAGAI, Katumi Diagnostic x-ray apparatus using television system, 23:17833
  - Radiation diaphragm device, 23:6252
- NAGAI, M. Reactions of activated amides. II, 22:23027
- NAGAI, Masakatsu Bromouridine (BUdR) as a radiosensitizing agent of malignant brain tumours, 25:4688
  - Radiosensitization of brain tumor cells with a thymidine analogue (bromouridine), 22:49237
  - Radiosensitizers in the treatment of malignant brain tumors, 22:31186
- NAGAI, Masao Slow onset type PCA events and associated pre-SSC polar geomagnetic disturbances, 22:38898 (N-68-20498)
- NAGAI, Masayuki Arrangement of burn-out heat flux data, 23:17679
  - Prediction of burnout heat flux for rod clusters, 24:46056
  - Prediction of the burnout heat flux for rod clusters, 25:3880
  - Transient thermal characteristics of UO_2 fuel rods, 23:47708
- NAGAI, Nobuyuki Crystallographic texture and hydride orientation in Zircaloy cladding tubes, 25:22110
  - Development of Zircaloy cladding tubes for nuclear reactors, 23:14314
  - Fabrication technology and quality for Zircaloy fuel-cladding tubes, 25:22041
  - Hydrogen absorption by zirconium alloy, 25:35283
  - Zircaloy cladding tubes for nuclear fuel, 25:664
- NAGAI, Reiko Gamma-radiolysis of a binary mixture of methanol and water, 23:15900
- NAGAI, Shunzo Changes in the heart after radiation therapy, 23:33890
- NAGAI, Siro Electron spin resonance studies of irradiated boron compounds. II, 22:8135
  - Electron spin resonance studies of irradiated boron compounds. II, 22:42721 (AEC-tr-6937, pp 192-201)
  - Electron spin resonance study of an irradiated single crystal of boric acid, 22:8112 (AEC-tr-6908, pp 237-44)
  - ESR spectra of irradiated beryllium acetylacetonate single crystal, 25:10623 (JAERI-5026, pp 157-60)
  - ESR study of adsorbed monomer and dimer cation radicals of benzene and its methyl derivatives, 25:46518
  - ESR study of γ-irradiated NH_3—silica gel system, 24:11553 (JAERI-5022, pp 6-12)
  - ESR study of γ-irradiated pyridine—silica gel system, 25:10622 (JAERI-5026, pp 6-10)
  - ESR study of irradiated single-crystal of boric acid, 21:19707
  - Formation of dimer cations of toluene and p-xylene in the adsorbed states, 24:11552 (JAERI-5022, pp 1-5)
  - Radiation chemistry in adsorbed states. II, 23:17457 (JAERI-5018, pp 51-4)
  - Radiation chemistry in adsorbed states. I, 23:17456 (JAERI-5018, pp 45-50)
  - Radiation effects on some metal acetylacetonates, 24:11577 (JAERI-5022, pp 175-9)
- NAGAI, T. Accumulation of fallout ^{137}Cs in newborn infants, 23:50538
  - Adrenal-gland scanning, 24:2747
  - Application of digital technique to radioisotope imaging, 24:31703
  - Body burden of ^{137}Cs in Japan, 21:20211
  - Computer-focusing for area scans, 23:50685
  - Digital data processing and display in radioisotope imaging, 23:33424
  - Image restoration in radioisotope imaging systems, 22:4538
  - Internal dose due to fallout ^{137}Cs, 24:23193 (CONF-690501-, pp 105-16)
  - Radiocontamination of the environment and its effects on the mother and fetus. III. Pt. I, 24:48729
  - Radiocontamination of the environment and its effects on the mother and fetus. III. Pt. II, 25:511
  - Repetitive correction for a finite resolving power of the collimator in scintiscanning, 21:26527
  - Uptake and retention of ^{106}Ru in man. I, 23:20100
- NAGAI, Takeshi Mechanism of age hardening in Elgiloy, 22:17130
  - Mechanism of precipitation hardening in Cu—Be alloys, 23:51071
  - Process of precipitation in Cu—Be 25 alloy, 21:4962
  - Process of precipitation in Cu—Be 25 alloy, 22:2660
  - Recrystallization process in Nb—Ag permalloy, 25:2679
  - Rolling and annealing textures in Cu—Be alloys, 22:23783
  - Transmission electron microscopy of Cu—Zr—Cr alloy, 24:14746
- NAGAI, Teruo Comparative studies of ^{132}Cs and ^{86}Rb turn-over in man using a double-tracer method. 22:36164
  - Computer-focusing using appropriate Gaussian function, 24:12172
  - Cross-linking of polymeric substances with acetylene and ionizing radiation, 23:11565
  - Device for correcting the orbit of a charged-particle flux in a linear ion accelerator, 22:11853
  - Improved /sup 137m/Ba generator, 23:35793
  - Metabolism of cesium in human blood, 21:14597
  - Newer methodological approaches to studying progressive muscular dystrophy. I, 21:24529
  - Radiopharmaceutical for adrenal scanning, 24:25354
  - Total-body N and protein, 24:9736
- NAGAI, Toshihiko Linear particle accelerator, 22:11852
  - Radiation-induced decoloration of dyestuffs in aqueous solution, 21:12455
- NAGAI, Y. E. Explanation for nonleptonic decays of hyperons, 25:59420
- NAGAI, Yoshio Recent development in diffusion welding, 25:49391
- NAGAKURA, Ichiro Measurement of the polarization of synchrotron radiation, 23:3868
- NAGAKURA, Saburo Electron spin resonance of irradiated single crystals of sodium and potassium 1-oximinopropionates, 21:15958
- NAGAKURA, Sigemaro Electron diffraction determination of the ionization of the C atom in β-Mo_2C crystal, 21:9241
- NAGAKURA, Tadashi Method for the solidification of radioactive waste, 25:18634
  - Trends of prestressed-concrete pressure vessels and containment vessels in nuclear power stations, 25:23282
- NAGAMATSU, T. Genetic effects of atomic bomb explosion on some crop plants, 25:24005
- NAGAMATSUYA, Takaaki Changes in catalytic activity and surface properties of nickel oxide with gamma-irradiation, 23:7576
  - Oxygen adsorption and its reactivities on the surface of irradiated nickel oxide, 22:52301
- NAGAMI, Toshiyuki Differences in hematopoietic death among inbred strains of mice, 24:12276
- NAGAMINE, K. Polarized ^{59}Co target used with polarized fast neutrons, 24:13250
  - Spin—spin interaction of 1.19-MeV polarized neutrons with polarized ^{59}Co nuclei, 22:27024
- NAGAMINE, Kanetada Low-energy (p,n) reaction on ^{55}Mn and the low-lying excited states of ^{55}Fe, 21:7751
  - Nuclear spin—spin effect in the total cross section for 1 MeV polarized neutrons on polarized ^{59}Co nuclei, 23:46972
  - Nuclear spin—spin effect in total cross section for 1-MeV polarized neutrons on polarized ^{59}Co nuclei, 23:49354 (ISSP-A-371)
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:13863
  - Spin—spin interaction of 0.92-MeV polarized neutrons with polarized ^{165}Ho nuclei, 21:17383
  - Spin—spin interaction of 7.90-MeV polarized neutrons with polarized ^{59}Co nuclei, 23:25888
  - Total cross section for polarized neutrons on polarized ^{59}Co, 24:38176
- NAGAMIYA, S. Anomalous orbital magnetism of proton deduced from magnetic moment of 11^- state of ^{210}Po, 25:5742
  - Effective spin and orbital magnetism of proton studied from g-factors of 8^+ states in ^{90}Zr and ^{92}Mo, 25:17870
  - Magnetic moment of the lowest 6^+ state in ^{42}Ca and effects of the deformed states, 25:48052

  Stroboscopic determination of magnetic moment of 8^+ isomeric state of ^{210}Po, 25:12614
NAGAMIYA, Shoji Magnetic moments of the 8^+ isomeric states of ^{90}Zr and ^{92}Mo, 25:53779
  Stroboscopic observation of larmor precession in nuclear excited states, 23:42962 (OU-LNS-69-3)
NAGAMOTO, Yoshio Design on the first nuclear ship, 23:9223
  Survey of marine reactor concepts, 21:34149
NAGANE, Kiyoshi Observation of S component of solar radio emission, 21:46086
NAGANE, R. Cytokinetic analysis of human cancers in vivo using ^{3}H-thymidine, 24:31779
NAGANO, H. Resistivity and penetration depth in superconducting thin films, 23:20871
NAGANO, Kei Molecular weight of Na, K-ATPase approximated by radiation inactivation method, 22:33767
NAGANO, M. Spark chamber pictures of air showers, 21:5093 (INSJ-100)
NAGANO, Motohiko Average range-energy relation of muons of energies above 10^{12}eV and its fluctuation, 24:49405 (INSJ-120)
  Calculation of size spectrum of horizontal air showers by Monte Carlo method, 24:47044 (INSJ-121)
  Calculation of the effective area in a horizontal air-shower observation device, 24:48317 (INS-TCA-27)
  Horizontal air showers of energies above 10^{13} eV, 25:12071
  Spark chamber for air shower, 24:29539
NAGANO, Yasuiti Role of leukocytes in production of interferon, 25:26986
NAGANSKI, Tadeusz Lymphographic pictures of lymphatic nodes after x-ray irradiation, 22:43465
  Lymphography of lymph nodes following x radiation, 23:29651
NAGANUMA, T. Experimental results of a small-scale sodium-to-sodium heat exchanger, 24:52903
NAGAO, Hiroyuki Degradation of plastics in the pile irradiation, 22:15270
  Measurement of trace elements in liver by neutron activation analysis, 24:31274
NAGAO, Koichiro Tumor-specific localizing agent for radioisotope image. III, 24:27497
  Tumor-specific localizing agent for radioisotope image. IV, 25:10921
NAGAO, Shigeo Collisional damping of the whistler mode in a dense plasma, 21:23207
  Cyclotron resonance and nonadiabatic trapping in mirror machine, 22:15512
  Equilibrium and stability of a current-carrying plasma, 24:49188
  Equilibrium of a high beta plasma in a toroidal magnetic field with a non-planar axis, 22:39033 (REIC-TR-29).
  Experimental study of electrostatic ion cyclotron waves in a plasma, 21:33435
  Experimental study of torsional Alfven waves in cylindrical plasmas, 23:30530
  Ion cyclotron resonance heating of QP plasma, 23:18582 (CONF-680113-(Vol.1), pp 343-78)
  New type of plasma source, 24:40098
  PIG discharges in various field configurations, 23:14818
NAGAOKA, Haruo Method for producing cation-exchange membranes, 21:130
NAGAOKA, Kihaku Radioinduced mandibular necrosis cases, 21:22569
NAGAOKA, S. Estimation of air dose from atomic bombs in Hiroshima and Nagasaki, 21:14668
NAGAOKA, Tomokichi Properties of $2^1/_4$ Cr—1 Mo weld formed material, 23:41581
NAGAOKA, Y. Flocculation treatment of radioactive contaminated sea water. I, 25:18518
NAGAOKA, Yosuke Exchange interaction (s—d) in a superconductor, 22:5276
  Symmetry of the ground-state wave function of many particle system, 23:27724
NAGAOKA, Yukio Flocculation treatment of radioactive contaminated sea water. I, 24:36363
  RI liquid wastes carried from Japan Radioisotope Association to JAERI, 25:42037 (JAERI-13666)
NAGAR, N. El Influence of low-level collective states with negative parity structure of dipole resonance, 24:8938
NAGARAJ, G. Improved method for determination of ^{32}P in plant material, 24:46197
NAGARAJ, Muppinaiya Einstein—Maxwell fields. I, 23:34658
  Einstein—Maxwell fields. II, 23:34656
  Hlavaty conditions in general geometrodynamics, 23:42738
  Massive scalar (meson) fields in geometrodynamics, 25:36582
  Some properties of Einstein—Maxwell fields. II, 23:42742
  Some properties of Einstein—Maxwell fields. I, 23:42743
NAGARAJAN, B. Electrical properties of normal liver and malignant hepatoma, 21:20079
NAGARAJAN, G. Bond and molecular polarizabilities and thermodynamic functions of thorium oxide and zirconium oxide, 21:40872
  Mean vibration amplitudes, the Bastiansen—Morino shrinkage effects, and thermodynamic values of isotopic molecules of carbon trioxide, 22:30540
NAGARAJAN, M. A. Coupled channel calculations with complex eigenvalues, 25:15181
  Coupled channels calculations with complex eigenvalues. II, 25:23078
  K matrix in nuclear reaction theories, 23:31083
  Reaction ^{12}C(n,n'γ)^{12}C, 22:26853
  Shell-model calculation for reaction ^{15}N(p,n)^{15}O, 22:29908
  Study of ^{10}B(d,n)^{11}C and ^{11}B(d,n)^{12}C reactions, 21:7713
  Use of K matrix in nuclear reaction theories, 22:3758
NAGARAJAN, P. S. Neutron dose distributions for ^{252}Cf sources, 25:42445
  Neutron dose distributions in an infinite slab of standard man composition, 23:48057
  Neutron personnel monitoring: correction factors and a suggested device for measuring intermediate energy neutrons, 23:35528
  Neutron personnel monitors currently in use, 23:47856
NAGARAJAN, R. Relaxation and exchange induced quadrupole effects in KFeF$_3$, 22:1361
  Spectrum stabilizer for proportional and scintillation detectors, 23:2638
NAGARAJAN, S. Growth of turbulent magnetic fields, 21:27051
NAGARAJAN, T. $0^- \rightarrow 0^+$ decay of ^{144}Pr and the pseudoscalar interaction, 25:46060
  Analysis of non-statistical beta spectra, 24:29549
  Beta decay of ^{111}Ag, 25:31365
  Beta decays of ^{147}Nd and ^{140}La, 24:15895
  Beta groups of ^{99}Mo, 25:50800
  Beta spectrum of ^{124}Sb, 23:49415
  Beta spectrum of ^{147}Nd, 25:46064
  Beta spectrum of ^{187}W, 23:31021
  β decay and nuclear structure in A = 99 nuclei, 25:36772
  Intermediate-image spectrometer for precision analysis of beta spectra, 23:7781
  Negaton spectrum of ^{76}As, 24:3903
  Small-order deviations of ^{90}Y and ^{32}P, 25:36768
NAGARATNAM, A. Simple animal whole body counters for metabolic studies, 22:6567
NAGASAKI, Masayuki Analysis of nucleon—nucleon scattering with large momentum transfers, 22:1451
  Bound state problem of Dirac particles, 22:32123
  Difficulty in the non-relativistic treatment of the composite model of elementary particles, 21:27366
  Fundamental concepts in the theory of elementary particles. II, 21:13685
  Level structure of hadrons, 25:12182
  Semirelativistic quark model for mesons, 22:32124
NAGASAKI, R. Behavior of He gas bubbles in neutron-irradiated Be, 24:14855
  Behaviour of boron in stainless steel detected by fission track etching method and effect of radiation on tensile properties, 25:29913
  Radiation damage studies of graphite in Japan, 25:52465 (A/CONF.49/P-245)
NAGASAKI, Rukichi Effect of cold working on creep properties of stainless steel, 25:2661 (JAERI-Memo-4125)
NAGASAKI, Ryukichi Cladding failure in the pressure vessel of a BWR, 25:49452
  Creep and creep-rupture properties of the nuclear fuel cladding tube for fast breeder reactor, 25:52355
  Development of a device for measuring circumferential mechanical properties of cladding tubes, 25:8883
  Effect of alpha-ray irradiation on creep-rupture properties of austenitic stainless steel, 25:55574 (JAERI-Memo-4408)
  Effect of neutron irradiation on precipitation-hardening of Al—3.8 percent Cu alloy, 25:42902 (JAERI-13692)
  Evaluation of stainless steel pipe for cladding material of fast reactor, 25:42846 (JAERI-13578)
  Oxidation of 0.4 wt percent Ca—Be alloy in moist CO$_2$, 23:38930
  Oxidation of Be—Ca alloys, 23:32019
  Oxidation of pure Be in CO$_2$, 23:20475
  Oxidation of pure Be in CO$_2$ at high temperatures, 23:18213
  Recrystallization of V—20 percent Ti alloy, 25:27259
  Recrystallization of V—20 wt percent Ti alloy, 25:42884 (JAERI-13731)
  Recrystallization of Zr—2.5 wt percent Nb alloy, 25:42885 (JAERI-13764)
NAGASAWA, H. De Haas—van Alphen effect of Yb, 22:3183
  Magnetic susceptibility and thermopower in Y—(Ce) dilute alloys, 22:29566
  Uranium and thorium contents in ultrabasic rocks, 21:41043
NAGASAWA, Hatsumi Sulfhydryl content of rat ascites hepatomas with different sensitivity to x rays and N mustard N-oxide, 22:31272
NAGASAWA, Hiroshi Localized moment of Fe impurity in Nb—Mo alloys, 24:5217
  Magnetic susceptibility of Y—Tb dilute alloys, 21:44166
  Magnetism of praseodymium metal, 21:44161
  Neutron activation analysis of potassium in ultrabasic rocks, 22:48842
  Partition of trace elements between rock-forming minerals, 24:29231
  Partition of uranium and thorium between augite and host lavas, 22:42851
  Trace element partition between two pyroxenes and the host lava, 22:50939
  U, Th, and K contents of possible mantle materials, 22:50947
NAGASAWA, K. Electrical properties of V$_8$O$_{15}$ single crystal, 25:9580
NAGASAWA, Kakuma Strontium-90 and ^{137}Cs in rain water during 1962—64, 23:848
  Strontium-90 in stock rainwater for drinking sampled at some lighthouses during 1963, 21:8462
NAGASAWA, Kikuo Determination of ^{210}Pb by dithizone extraction as ^{210}Bi, 21:2964
NAGASAWA, Koichi Growth and magnetic properties of V$_8$O$_{15}$ single crystals, 24:44774
  Growth of V$_3$O$_5$ and V$_6$O$_{11}$ single crystals, 23:51122
  Growth of V$_4$O$_7$ and V$_7$O$_{13}$ single crystals, 23:51123
  Growth of V$_5$O$_9$ single crystals, 24:27809
  Shear structure of V/sub n/O/sub 2n-1/, 24:46795
NAGASAWA, Masaji Method of producing a sintered uranium dioxide nuclear fuel element containing a boride, 22:11034
NAGASAWA, Noichi Crystal growth of V/sub n/O/sub 2n-1/ (3 less than or equal to n less than or equal to 8), 25:58369
NAGASAWA, Shingo Foreshortening effect on the apparent area of solar flare, 22:21803
NAGASAWA, Toshio Paracrystalline structure of polymer-crystal lattice distortion induced by electron irradiation, 25:2234
NAGASE, Fumiaki Balloon observation of solar and atmospheric neutrons, 25:33121
  Upper limit of solar neutron flux associated with solar flare on September 28, 1968, 24:51346
NAGASE, Kaneomi Formation, microstructure, and properties of barium zirconium sulfide ceramics, 25:8920
NAGASE, Katsuya Influence on liver of radiation, 25:26955
NAGASE, M. Preparation of Zircaloy standards sample, 24:970
NAGASE, Michio Preparation of zircaloy standard samples for spectrochemical analysis, 23:7460
NAGASE, Tetsuya Radiotherapy of lung cancer, 25:58137
  Studies of the radiation effects on cells. V, 21:6692
NAGASE, Yuso Determination of colored organic compounds by liquid scintillation counter, 21:2955
NAGASE, Yuzo Analysis of drugs by use of isotopes. IV, 22:16976
  Thiopental-^{35}S: synthesis, isotope dilution analysis, and metabolism in rat, 24:2557
NAGASHIMA, K. Cosmic-ray anisotropy in three-dimensional space, 22:19805
  Two-ways sidereal anisotropy, 22:9125
  Uranium requirements in Japan, 24:11123
NAGASHIMA, Kikusaburo Fuel requirements for the nuclear power generation program, 21:21668
  Optimum fuel utilization in the long term nuclear power generating program in Japan, 21:17487
NAGASHIMA, Kozo Chemical studies of minerals containing rarer elements from far east district. LXIV, 25:31815
  Determination of ^{207}Pb by nuclear magnetic resonance, 22:40028
  Rare-earth elements in xenotimes from Japan, 23:28676
NAGASHIMA, Kunio Investigations on Na boiling accidents in a large fast breeder reactor. I, 25:23320
  Sodium boiling accidents in a large fast breeder reactor. II, 25:54167
NAGASHIMA, Naoyuki Nondestructive determination of sodium in surface oxide film of silicon by neutron activation analysis, 24:4243
NAGASHIMA, Nobuo Recrystallization characteristics of Al—0.3 wt percent Zr alloys, 22:2602
NAGASHIMA, Shinichi Tempering characteristic of A-302YB, 21:9182
  Tempering characteristics of ASTM-A-302B steel for atomic pile use, 23:8177
NAGASHIMA, T. Plasma confinement in the JAERI hexapole with high toroidal field, 25:38328 (CONF-710607-6)
NAGASHIMA, Takashi Spatially growing plasma waves and their nonlinear effects by beam modulation, 25:36227
NAGASHIMA, Teruya Pulmonary function after radiotherapy. II, 25:49309
NAGASHIMA, Tomitaro Anisotropic impure superconductor and resonance scattering, 21:13478
  Effects of the d-electron correlation on the transition temperature of an anisotropic impure superconductor with resonance scattering, 21:20906
  Properties of superconductors with nonmagnetic transition-element impurities, 22:5291
  Superconductor with cubic symmetry, 24:42612
NAGASHIMA, Y. Coulomb production of N*(1236), 24:21955 (UR-875-295)
  Cross section and form factor of N*(1236) production by electrons, 21:18941 (UR-875-189)
  High-energy muon—proton scattering: muon—electron universality, 23:36820
  High-energy muon—proton scattering: one-photon exchange tests, 23:36821
  K$^-$p backward scattering from 1 to 2.5 GeV/c, 23:51863
  K$^+$p backward scattering in the region from 1.0 to 2.5 GeV/c, 22:52947
  Pi^{+-}p backward scattering between 1.5 and 3.0 GeV/c, 22:20152
  Precise measurement of K$^+$/K$^-$ lifetime ratio, 24:8560
NAGATA, Fumio 222 electron reflection from aluminium and systematic interaction, 21:42176
NAGATA, H. Comparative studies on rejoining of DNA-strand breaks, 25:26953
  Effect of alkaline-hydrolyzed product of yeast RNA on irradiated mice, 21:20290
  Effect of chemical treatment on survival of repeatedly irradiated mice, 23:20263 (BNL-50058, pp 284-302)
  Protection of mice against ionizing radiations by adrenochrome monoguanylhydrazone methansulphonate; a promising agent for clinical use, 25:4589
  Radioprotective effect of glutathione, 22:28571
NAGATA, Hiroharu Radiation protection by taurine, 23:41449
NAGATA, Hiroji Variation in radiosensitivity of mice, 24:12277
NAGATA, K. Semiconductor detector telescope for identifying high energy particles, 24:11845
NAGATA, Katsuaki Electronics system for a balloon borne experiment identifying nuclear charge of primary cosmic ray, 22:16875
  Rocket-borne dE/dxE semiconductor detector telescope for particle identification, 23:26537
NAGATA, Kazuhiro Oxygen transfer between solid oxide phase of ZrO$_2$.CaO, 24:19504
NAGATA, Kazuo Fast reactor critical assembly for the Japan Atomic Energy Research Institute, 21:25728
NAGATA, Kohei Influence of infrared-rays upon the hemogram of x-irradiated rabbits, 23:10062
NAGATA, M. Plasma diagnostics by means of Hall current, 22:34618
NAGATA, Mitsuaki Hall-current characteristic in plasma immersed in strong magnetic field, 24:1380

- NAGATA, N. Basal dislocation interactions with a forest of non basal dislocations in zinc, 25:60267 (CALT-767-P-3-18)
  - Experimental determination of the line energy of a basal screw dislocation in zinc, 25:60266 (CALT-767-P-3-17)
- NAGATA, Nobuo Effects of anticancer agents on irradiated mice, 22:31188
- NAGATA, Norio Mobility of basal dislocations interacting with non basal dislocations in zinc, 24:53027 (CALT-767-P-3-11)
- NAGATA, S. Behavior of wave function of ground state of ^{6}Li, 22:26859
  - Cluster expansion in nuclear matter, 22:27293
- NAGATA, Saburo Structure of film prepared by low-energy sputtering of molybdenum, 25:14456
- NAGATA, Sinobu Binding energy of nuclear matter, 23:28324
  - Binding energy of nuclear matter by the hole line expansion method. I, 22:53250
  - Effects of correlation in the core on the motion of outer two nucleons, 22:9954
  - Equation of state of neutron star matter and neutron star models, 25:55715
  - Reaction matrix theory for cluster states in light nuclei. I, 25:12411
  - Reaction matrix theory for cluster states in light nuclei. II, 25:59724
  - The wave function of the ground state of ^{6}Li, 22:18119
- NAGATA, T. Dependence on geomagnetic activity of magnetic pulsation frequency of pc-3 and pc-4 ranges, 22:43984
  - Depolarization in elastic scattering of 1.36-MeV polarized neutrons, 25:53708
  - Inter-relations among the upper atmosphere disturbance phenomena in the auroral zone, 21:27066
  - Rocket observations of visible and ultraviolet dayglow features, 25:38249
- NAGATA, Takahito Radiosensitivity of cervical cancer. I and II, 23:45926
- NAGATA, Takashi Polarographic and chronopotentiometric behaviors of uranyl ion in fused potassium thiocyanate, 23:7537
- NAGATA, Takesi Constitution of magnetospheric storms, 25:30400
  - Constitution of polar magnetic disturbances, 23:3372
  - Morphology of magnetic disturbance, 22:47942
  - Origin of fluctuations in the equatorial electrojet, 21:15040
  - Rocket observations of electron density of daytime ionosphere, 25:30360
  - Solar flare effect on geomagnetic field, 21:7112
- NAGATA, Tsugako Neutron depolarization in elastic scattering and target-spin dependent interaction, 24:10980
  - Neutron depolarization in elastic scattering, 24:33125
- NAGATA, Tsuneo Model treatment of dilute ^{3}He solution in liquid ^{4}He, 22:13394
  - Thermodynamic behavior of Hamiltonian for mixture of ^{3}He and ^{4}He, 25:7324
  - Two-branch excitation spectrum of liquid ^{4}He, 25:11818
- NAGATAKI, Shigenobu Treatment of hyperthyroidism with ^{131}I, 22:31196
- NAGATANI, K. Analysis of the deuteron break-up process induced by alpha particles, 21:42702
  - Beta decay of ^{29}Al, 24:15847
  - Distorted-wave analysis of reactions leading to the singlet deuteron state, 23:15381
  - Double spin-isospin-flip reaction, 24:28724
  - First order analysis of reaction ^{6}Li(p,pα)d, 23:44838
  - Levels in ^{33}P, 24:52523
  - Lifetime of the first excited state of ^{11}Be, 25:43820
  - Multi-mode transfer model for heavy ion reactions, 25:41257
  - Reaction ^{12}C(^{14}N,^{6}Li)^{20}Ne and structure of upper K = 0^+ bands, 25:59743
  - Reaction ^{3}He(α,γ)^{7}Be at very low energy, 23:23618
  - Reactions ^{3}H(^{2}H,^{3}He)2n and ^{3}He(^{2}H,^{3}H)2p, 25:17690
  - Singlet deuteron (d bar) formation by neutron pickup for ^{9}Be + p, 22:39591
  - Study of ^{44}Sc via the ^{42}Ca(α,d) reaction, 24:10967
- NAGATANI, M. Visceral perfusion scintigraphy with ^{131}I-labeled albumin macroaggregates, 23:48141
- NAGATANI, Toshio Study of chemical behavior of recoil atoms due to (γ,γ') process, 25:18488
- NAGATANI, Yasuo Mechanism of restoration of impaired immunological capacity by lymphocytes. I, 21:28520
  - Mechanism of restoration of impaired immunological capacity by lymphocytes II, 21:30870
- NAGATO, Kotaro Examples of stress analysis of structures by finite element method, 25:60142
- NAGATOMO, Seiki Planning and execution of the Mt. Enasan Tunnel, 25:57252 (ORNL-tr-2525)
- NAGATSU, Chizuko Radiosensitivity of Streptomyces cacaoi spores, 25:27068
- NAGATSUKA, Hiroshi Study on the transplantation to rat's femur of experimental sarcoma irradiated with a massive x-ray dose, 21:45807
- NAGATSUKA, Sumiko Activation analysis of Br by 14-MeV neutrons in tracer study of river flow, 22:41
  - Activation analysis of lanthanide elements in natural water, 25:54504
  - Application of rare earth chelate compounds as activable tracer to tidal river flow study, 24:31478
- NAGAYA, Takashi Method for stabilizing the electron-accelerating voltage, 21:5446
- NAGAYA, Yutaka Accumulation of radionuclides in coastal sediment of Japan. I, 22:40217
  - Strontium concentrations in water of north Pacific and seas of Japan, 25:57310
  - Vertical transport of ^{90}Sr and ^{137}Cs in surface waters of seas, 24:46364
- NAGAYAMA, Sanpei Electronic reduction of anthraquinone derivatives in dimethylformamide, 24:29322
- NAGAYAMA, Satoshi Decay chain of fission products, 25:1953 (JAERI-1194)
  - On-line process control computer for Tsuruga Reactor, 25:46154 (KURRI-TR-75, pp 53-9)
- NAGAYAMA, T. National network of INIS in Japan, 25:54323 (A/CONF.49/P-266)
- NAGAYAMA, Tsutomu Aseismatic design of equipments for nuclear power station, 25:31601
- NAGCHAUDHURI, B. D. Effect of magnetic field on the plasma in a duoplasmatron, 24:45258
  - Magnetic field dependence of duoplasmatron operation, 24:15353
  - Plasma physics, 22:31781
  - Pulse probe measurements of gas discharge plasmas, 21:15103 (CONF-660221-, pp 372-5)
- NAG CHAUDHURY, B. D. The future of atomic power, 25:25853
- NAGEL, B. Continuous bases for unitary irreducible representations of SU(1,1), 25:17417
  - General theory of quantized fields, 22:3520
  - Generalized edge of the wedge theorem, 22:35101
  - Numerical calculation of K-shell photoeffect, 23:20668
  - Some remarks on the properties of form factors, 22:48248
- NAGEL, Bengt Spin-0 Kemmer wave functions and K/sub l3/ form factors, 25:53115
- NAGEL, D. State of development of nuclear power plants with pressurized-water reactors in capitalistic countries, 25:36984
- NAGEL, D. J. Aluminum x-ray satellite enhancement by ion-impact excitation, 25:40346
- NAGEL, E. A-41 measurements in environs, 24:29045 (CONF-690540-, pp 87-96)
  - Argon-41 measurement in the environs of the Federal Institute for Reactor Research, Wuerenlingen, 24:7815 (EIR-161)
  - Contamination of air and the resulting contamination of grass, 23:14175
  - Fallout in rain, dust, and soil and its absorption by plants, 23:6439 (NP-tr-1710)
  - Investigations of air currents in the lower Aare river valley with reference to monitoring of atomic installations, 25:10703 (EIR-185)
- NAGEL, H. Electronic work functions in system Zr—O in relation to oxygen concentration, 24:34945 (BMBW-FBK-70-1, pp 309-19)
- NAGEL, H.-H. Experiences with coupled computers to control an HPD, 25:13276 (CERN-70-21(Vol.2), pp 721-7)
- NAGEL, Hartmut Electron work function in system Zr—O, 23:30170
- NAGEL, J. G. Relationship between the Galilei group and any internal symmetry group of nonrelativistic particles, 21:4087
- NAGEL, John G. Double structure of a combined internal and space—time symmetry group and mass splitting, 21:40253
  - Expansion of the inhomogeneous pseudo-unitary symplectic Lie algebras, 24:30542
- NAGEL, Michael Zwi Photo-nuclear reactions in ^{28}Si by monochromatic photons of 17.1 to 19.1 MeV, 25:48041
- NAGEL, R. H. Search for deuterium on Venus, 25:47320
- NAGEL, Roger Edge and curve enhancement in digital pictures. II, 24:33595 (ORO-3662-6)
- NAGEL, S. Numerical calculations for axially symmetric wall-stabilized arcs, 23:16816
  - Safety rod movement during scram in ZfK Rossendorf research reactor, 25:60165
- NAGEL, W. Fabrication of encapsulated Ge(Li) detectors for γ-spectroscopy, 23:9697 (EUR-4063)
- NAGEL, W. A. Sidewall epithermal neutron porosity log, 21:6320
- NAGEL, W. E. Metallurgical evaluation of dispersion strengthened Al alloy billet material, 21:43655 (AI-CE-41)
- NAGEL, Walter Some nuclear reactions induced by D + T neutrons, 21:33964 (NP-16748)
- NAGEL, Walter A. Measuring apparatus and method, 25:37662
  - Multidetector neutron logging technique, 24:41426
- NAGEL, Yu. A. Plane one-dimensional stationary flow of ideal charged gas in its own electric field, 25:45482
- NAGELBERG, E. R. 16-GHz observations of eclipse, 24:37135
- NAGELBERG, Elliott R. Approximate theory of microwave interaction with bounded gyrotropic media, 21:789
- NAGELS, P. Evaluation of the Debye temperature of Th dioxide, 21:29358
  - Influence of neutron irradiation on thermoelectric power and electrical conductivity of uranium dioxide, 21:40098
  - Radiation damage in Li-doped MnO, 22:37018
- NAGENDRA, H. R. Free convection heat transfer between vertical parallel plates, 25:48717
  - Free convection heat transfer from vertical cylinders. II, 25:48718
  - Free convection heat transfer from vertical cylinders. I, 25:48719
  - Onset of free convection in annuli, 25:54881
- NAGEY, T. F. Combustion and propulsion, sixth AGARD colloquium, Cannes, France, 3/64, 22:19816
- NAGGIAR, V. International comparison of measurement of emission rate of Conseil National de Recherches No. 200-1 Ra—Be neutron source, 21:29834 (NP-16703)
  - International comparison of measurements of level of emission of neutron source, 21:44539
  - Neutron flux measurement of a ^{2}H(d,n)^{3}He source, 21:21432
- NAGH-TOTH, F. Uptake of ^{90}Sr and ^{134}Cs in Scenedesmus acutus, 22:4705
- NAGI, F. I. Analytical utility of the unique colour reaction between uranyl ions and alizarin fluorine blue, 23:40541
  - Determination of trace elements by neutron activation analysis, 25:51404 (A/CONF.49/P-110)
  - Radiochemical separation of zinc by amalgam exchange, 22:10338
  - Simultaneous determination of Sb, As, and Cu by neutron activation, 25:54515
- NAGI, Fazal I. Radiochemical separation of lead by amalgam exchange, 21:15982
- NAGIB, M. Measurements of polarized neutron transmission through magnetized ferromagnetic materials, 21:35214 (BMwF-FBK-67-50)
- NAGIB, M. M. Combined helium and steam cycle for nuclear power plants, 25:60139
- NAGIBAROV, V. R. Continuous generation of gravitation rays, 23:15241
  - Feasibility of generating and receiving coherent gravitational waves by optically closed systems, 21:42210
  - Possibility of generation and detection of gravitational rays, 22:18025
  - Sonic excitation of a superradiative electromagnetic state in matter, 23:5503
- NAGINAEV, E. N. Europium selenides, 25:49564
- NAGIRNER, D. I. H-functions in resonance-radiation transfer theory, 22:5216 (CLM-Trans-9)
  - Nonstationary radiation fields in infinite media, 25:9009
  - Transfer of resonance radiation in an infinite medium. I, 23:1577
  - Transfer of resonance radiation in an infinite medium. II, 23:3187
  - X and Y functions in theory of multiple scattering of radiation within a line, 23:32085
- NAGL, J. Calorimetric radiation measurements in IAEA laboratory, 24:25315
  - Chemical radiation dose indicator, 24:23032
  - IAEA dose comparison program, 25:35141
  - IAEA program in medical radiation dosimetry, 23:50497
- NAGL, Johann Cobalt-60 gamma dosimetry in calorimeter and ionization chamber, 23:38579
  - Comparative dose measurements for high-energy electrons with ferrous sulphate dosimeters, 21:45649
  - Portable precision dosimeter with several measuring ranges for high-energy x-ray and electron radiation, 25:32263
- NAGL, K. Mutation experiments in durum wheat, 24:21147
- NAGLE, C. M. Comparison of estimated and measured long-term ^{131}I concentrations from a continuous elevated source, 21:22050
- NAGLE, Constance Steadiness of the wind during stable conditions, 25:54794
- NAGLE, Constance M. Variability of wind direction within the US, 24:11705
- NAGLE, D. Production of π^{+-} mesons by 730-MeV protons incident on various nuclei, 25:53226 (LA-DC-12944)
- NAGLE, D. E. 805 MHz rf power sources, 21:11864 (LA-3609, pp 449-56)
  - Coupled resonator model for standing wave accelerator tanks, 21:46627
  - Linear accelerator for unstable particles, 22:37216 (LA-DC-9419)
  - Meson production, 25:50258
  - Some discrete transforms and their continuous analogs, 21:47017 (LA-3748)
  - Transverse beam instabilities in multisection linacs, 21:11844 (LA-3609, pp 281-3)
- NAGLE, Darragh E. Advances in design of proton linear accelerators, 21:19092 (LA-DC-8383)
  - Linear accelerators for protons: new developments, 21:35376
  - Prospects for high current accelerators, 21:44517 (CONF-660925, pp 661-73)
- NAGLE, Eugene M. Flux shuttling: new method for the nondestructive readout of superconductive memory cells, 22:11350
- NAGLE, J. F. M. Oxidation of graphite with oxygen, 24:38802 (DP-Report-108)
- NAGLE, P. C. Cross section ^{16}O(γ,n_0)^{15}O between 35 and 65 MeV, 23:23628
- NAGLE, Paul Curtis Fast photoneutron spectrum of oxygen, 23:42858
- NAGLE, R. Observations on scattered-neutron effects in LRL Van de Graaff pit, 22:9720 (UCID-15235)
- NAGLE, R. A. Study of some phenyl phosphoric acids for extraction of uranium from phosphoric acid, 25:23682
- NAGLER, Arnold L. Sodium, K, and H_2O in x irradiation, 22:25979
  - Synergism of irradiation, tourniquet injury, and drum trauma: effect of regional shielding, 22:25978
- NAGLER, M. Importance of the use of radioactive substances and ionizing radiations in phytopathology, 21:438
- NAGLER, U. Versatile 16-channel routing system, 23:43629
- NAGLI, G. Iridium-192 applicator for endolaryngeal radiation therapy, 24:17115
- NAGLI, L. E. Quick-response energy transfer in KBr:Tl crystals. I, 25:3193
  - Quick-response energy transfer in KBr:Tl crystals. II, 25:3194
- NAGLIK, M. New compact capacitive energy storage unit for voltages above 100 kV, 25:30571 (EUR-4593, pp 293-9)
- NAGNIBEDA, V. G. Absolute measurements of total solar radio flux density, 22:13135
  - Radio-astronomical observations during solar eclipse Sept. 22, 1968 at 0.8 and 1.3 cm, 25:22314
  - Slowly varying component of 2 cm solar radio emission, 23:36434
- NAGORCKA, B. N. Carbon-12 + ^{12}C and ^{12}C + ^{16}O reaction cross sections, 25:38906
  - Experimental investigation of ^{16}O + ^{12}C nuclear burning at stellar energies, 25:27309 (ANU-P-471)
  - Experimental investigation of ^{16}O + ^{12}C nuclear burning at stellar energies, 25:34004
  - Extrapolation of ^{12}C + ^{12}C and ^{12}C + ^{16}O reaction cross sections to astrophysical energies, 25:31200 (ANU-P-515)

NAGORNAYA, L. L. Energy dependencies of the light output of some organic scintillators under the influence of α-particles, 21:28245
Polarographic investigation of the radiation stability of luminescent materials, used in scintillating materials, 21:10385
Polarographic studies of changes induced in polymers by radiation, 21:35992
NAGORNAYA, N. I. Spectroscopic investigation of the plasma in a conical-electrode shock tube, 21:7200
NAGORNYI, P. L. Disintegration of carbides during abrasive wear, 25:49502
Specific energy of deteridration of carbides and the wear-resistance of alloys, 24:12411
NAGORNYI, V. G. Nuclear graphite, 21:28824
Nuclear graphite, 22:34106
NAGORNYI, V. Ya. Sigma-phase in V—Co and V—Mn alloys, 22:49758
NAGORNYKH, L. M. Detection of 5765.2-MHz He radio line in the Orion Nebula, 23:25049
NAGORNYKH, Yu. D. Investigation of electric breakdown in air in a transversal electric field, 21:20985
NAGORSKAYA, I. A. Photon radiation in two-particle annihilation of polarized electron—positron pair, 23:27781
Polarization phenomena in $\gamma\gamma \to e^+e^-$ reaction and its possible experimental study, 24:42865
Vector-meson electroproduction in nuclear Coulomb field, 22:34926
NAGORSKAYA, N. D. Constitution diagram of the Al—Be—Mg system, 21:11247
Structure and properties of beryllium—lanthanum alloys, 21:31012
NAGORSKII, G. A. Particle with an anomalous magnetic moment in the field of plane electromagnetic wave, 21:23320
NAGORSKII, P. M. Corpuscular heating of the polar ionosphere, 23:20815
Ionization produced by a satellite in the upper atmosphere, 22:48012
NAGOSHI, Chieko Properties of Sakura nuclear emulsions in low energy, 23:9698 (INSJ-108)
NAGOU, Satoshi Effect of γ irradiation on high-impact ABS resin, 24:48913
NAGOVITSINA, L. I. Fallout of ^{90}Sr on Ukrainian SSR, 25:16070 (AEC-tr-7214, pp 249-66)
NAGOYA, Toshikatsu Protective effect of cysteine, 21:12863
NAGPAL, T. S. Decay of ^{134}Cs, 23:4027
Gamma rays following decay of ^{75}Se, 23:5845
Selenium-75 as a calibration standard for Ge(Li) detectors, 25:10842
The ^{125}Sb—^{125}Te decay, 25:20408
NAGUIB, H. M. Crystallization of amorphous ZrO$_2$, 24:42275
Ion-impact crystallization of ZrO$_2$, 24:42799
NAGUIB, K. Numerical calculations of K/sub eff/ and neutron fluxes in 2 and 3-group approximations using IBM-1620 code, 25:37126 (UARAEE-89)
NAGUIB, M. Preparation of /sup 99m/Tc coated C particles, 24:31419
NAGUIB, Mahmoud Fate of Na pertechnetate-/sup 99m/Tc, 21:22286
NAGUMO, T. Status of isotope applications in Japanese industry, 24:31283
NAGUMO, Tadashi Economy of radioactive gauges, 23:14065
NAGY, A. Combined hygrometer—densitometer using radioisotopes, 22:25687
Investigations in the field of radiation-induced solid state polymerization. XXIII, 22:37811
Radiation-induced solid-state polymerizations. XXIII, 22:51018
NAGY, A. F. Calculated [O I] 6300 A nightglow Doppler temperatures for solar cycle minimum, 22:52629
Comparison of calculated and observed features of a stable midlatitude red arc, 24:45098
Comparison of radar and optical temperature measurements in the F region, 24:47122
Diurnal survey of thermosphere, 23:27441 (N-69-13636)
Dynamical behavior of thermal protons in the midlatitude ionosphere and magnetosphere, 25:58867
Influence of elastic scattering on photoelectron transport and escape, 24:21689
Ionospheric electron temperature calculations, 23:44344
Measurements of 6300 A Doppler temperature during magnetic storm, 23:42066
Observations of mid-latitude stable auroral red arc, 24:30231
Photoelectron fluxes in the ionosphere, 25:7243
Stable mid-latitude red arcs: observations and theory, 25:30398
NAGY, A. Z. Code for calculation concerning neutron moisture measurements, 22:40475 (KFKI-15/1968)
Correction for dry bulk density in measurements with neutron moisture gauges, 23:2685
Theory and practice of density correction concerning neutron moisture measurement, 24:14330 (KFKI-34/1969)
Two-dimensional (T/sub 1/2/, E/sub γ/) mapping of short-lived nuclides, 25:5685 (KFKI-70-18-NAC)
NAGY, Andrew F. Nighttime cooling of the protonosphere, 22:52644
Theoretical calculations of the conjugate predawn effects, 22:47931
NAGY, Arpad ^{252}Cf neutron source, 25:57661
Neutron moisture measurements, 23:43615
New results in particle detector technology. IV, 22:33642
NAGY, B. Carbon compounds in Apollo 11 lunar samples, 24:25946
Controlling the cockchafer by sterile male technique, 23:2914
Sterile-male technique studies in Hungary, 24:32304
NAGY, Barnabas Possibilities of using ionizing radiation in the control of insects in Hungary, 22:12949
Radiation autocide method, 23:43934
NAGY, E. Copper-63 NMR in elastically deformed Cu foils, 22:41647 (KFKI-16/1968)
Determination of K/sub s/ decay branching ratio, 24:5236
Method for determination of neutral decay points without track reconstruction in space, 24:29566 (KFKI-70-8-HEP)
Method of background estimation in invariant-mass distributions due to higher resonances, 21:27370
Momentum estimation of electrons traversing heavy media in homogeneous magnetic field, 24:36615 (KFKI-70-10-HEP)
NAGY, E. J. Radiation-induced changes in mitosis and nucleic acid synthesis, 22:426
NAGY, Elemer Regeneration of neutral kaons, 24:49427
Resonance-generating mechanisms, 23:5593
NAGY, Eva J. Biological effect of laser ray, 23:29901
Fat-absorption analysis in experimental animals showing the radiation syndrome, 21:4844
Interrelations between radiation cell phosphates, 22:28354
Irradiation cleavage products of thymine ^{14}C, 24:41761
Role of macromolecules in development of radiation injuries, 22:33933
NAGY, G. Chromosome studies on patients with polycythemia vera, 23:41487
Chromosome studies on patients with polycythaemia vera, 24:27641
Gamma-radiation-initiated polymerization of N-vinylsuccinimide, 22:14538
Investigations in field of radiation-induced solid state polymerization. XXII, 22:35840
Investigations of radiation-induced solid state polymerization. XX, 21:32201
Possibilities of reducing losses in the separation of trace elements by precipitation. determination of the relative stabilities of adsorption complexes, 25:31944
Radiation-induced solid-state polymerization. XXI, 22:51036
Separation of U with use of carbonate, 22:42626
Solid state polymerization in binary systems, 23:15913
Solid state polymerization in two-component systems, 21:24032
NAGY, G. A. Separation of carrierfree ^{131}I$^-$, ^{131}I^0, ^{131}IO$_3^-$, and ^{131}IO$_4^-$ by paper chromatography and paper electrophoresis, 24:20802
NAGY, G. Agnes Chemical transformations in carrier-free ^{131}I preparations, 22:23039
NAGY, Gabor Investigations in field of radiation-induced solid state polymerization. XIX, 21:17665
Investigations of radiation-induced solid-state polymerization. XX, 21:21990
Radiation-induced solid-state polymerization. XIX, 21:28014
Radiation-induced solid-state polymerization. XXI, 22:109
NAGY, Georg Fine structure of epidermis following uv irradiation, 24:32155
NAGY, George State-of-the-art in pattern recognition, 22:33663
NAGY, Gy. Determination of small quantities of europium, 25:48438
Problems in separation of traces of elements by precipitation. IV, 21:32110
NAGY, Gyorgy Lajos Detection of weak beta emitters by liquid scintillation counting techniques, 21:30358
NAGY, Gyula Separation, by precipitation, of traces of elements. I, 21:15991
Studies of uranium separation by conversion into carbonate [UO$_2$(CO$_3$)$_3$]$^{4-}$ complex, 21:25957
NAGY, I. Nomograms for use in research with radioactive isotopes, 23:31302
Radioinduced solid-state polymerization. XXIV, 23:40725
NAGY, Istvan Radiation-induced solid state polymerization. XXIV, 23:19754
NAGY, J. Cross section for $\pi^-p \to \Lambda K^0$, 23:34543
Cross section for $\pi^-p \to \Lambda K^0$: structure near Σ threshold, 23:34535 (PPAR-12)
Manostat for temperature regulation of cryostats, 24:37395
Silicon semiconductor spectrometer, 25:42112
NAGY, J. L. Long-lived radiofrequency ion source of low-power consumption, 24:45670
Long-lived rf ion source for pressurized accelerators, 24:30633
NAGY, Janos Decrease in ultrasound resistance of thrombocytes following whole body irradiation, 23:2873
NAGY, Judit Absolute calibration of neutron sources by MnSO$_4$ activation, 21:7642
NAGY, K. Radiative corrections to muon decay, 24:20116
NAGY, K. L. Complex poles, cuts, indefinite metric, and unitarity, 25:33800
Lee model as a Z limit, 24:20091
Levinson's theorem when ghosts are present, 23:1723
Spontaneous symmetry breaking and constant gauge transformations, 21:31614
State vector spaces with indefinite metric in quantum field theory, 21:46590
Theories with dipole ghost, 24:30557
$Z \to O$ limits in Lee model, 23:18826
NAGY, Karoly Neutrino physics, 21:2444
Physics of neutrinos, 21:21601
NAGY, L. Angular anisotropy of fission fragments in ternary fission of ^{235}U and ^{238}U, 25:36759
Determining natural U in urine, 21:12368
Differential cross section of n—p scattering, 23:28236
Dissolution of U- and Ra-containing aerosols, 21:26462
Equipment for measuring the hf structure of high-energy nuclear particles beam, 22:22514
Mean reaction cross-sections for (n,p), (n,α), and (n,2n) reactions with ^{59}Co, ^{58}Ni, ^{56}Fe, and ^{89}Y, 23:10991
Natural radioactive elements in organs of individuals with normal exposure, 21:26461
Sterilization of catgut by ionizing radiation, 22:52088
Ternary fission of ^{235}U and ^{238}U, 24:49910
NAGY, L. A. Carbon compounds in Apollo 11 lunar samples, 24:25946
NAGY, L. G. Detection of weak beta emitters by liquid scintillation counting techniques. II, 23:50150
Detection of weak beta emitters by scintillation counting. I, 21:34478
Determination of copper and gold trace impurities in high purity gallium by activation analysis with pretreatment, 24:41234
Determination of Cu and Au in Ga by activation analysis, 24:170
Determination of weak beta emitters by liquid scintillation counting technics. III, 24:44273
Heterogeneous isotopic exchange of steel sheets with iron chloride solutions. II, 24:38863
Heterogeneous isotopic exchange of steel sheets with iron chloride solution. I, 24:38884
Interactions between some volatile fission products and surface of UO$_2$, 22:48853 (RT/CHI-(68)18)
Investigations of some motor-oil additives by neutron activation, 21:8203
Neutron activation analysis of impurities of silicon, 21:35896
Trace impurities of Ge and Si by activation analysis, 23:19674
NAGY, Ladislav Pulsed operation of an analyzer of the high-frequency structure of a beam of high-energy nuclear particles, 22:22513
NAGY, Lajos Determination of I traces, 23:28686
In vitro experiments to study the solubility of uranium and radium-containing aerosols, 22:10766
Radiation-induced solid-state polymerization. XII, 22:14539
NAGY, Lajos Gyoergy Neutron activation analysis of metal trace impurities in ascorbic acid. preliminary communication, 21:23848
NAGY, Lajos Gyorgy Detection of weak beta emitters by liquid scintillation counting techniques. II, 23:26189
Determination of trace impurities in high-purity Ga by neutron activation analysis, 21:34228
NAGY, Laszlo Angular and energy distribution of neutrons from ^{235}U fission, 21:19276
Angular anisotropy of fragments from ternary fission of ^{235}U and ^{238}U, 23:11010
Detection of spontaneously fissioning isomer states, 23:44947
Measurement of the relative probability of ternary fission in ^{233}U, ^{235}U, ^{238}U, and ^{232}Th, 21:27609
NAGY, Lawrence A. Design and operation of magnetohydrodynamic generator facility, 23:20739 (N-68-37259)
NAGY, Mohamed El-Sayed Cross-spectral-density sink frequency behavior for coupled-core Argonaut reactors, 25:10275
Spatially dependent stochastic behavior of coupled core reactors, 25:18230
NAGY, O. Bypass-cycle treatment of the primary water circuit of pilot reactors, 24:29007
NAGY, S. Angular distributions of fragments in fission of U and Th near (n,2n'f) threshold, 25:56804
Disintegration of ^{14}N by fast neutrons, 21:9952
Investigation on angular distribution of neutron-induced ^{238}U fission by means of solid-state track detector, 21:31799
Observation of proton tracks by a plastic detector, 25:10831
Some (n,p) reaction cross sections for 14.7 MeV neutrons, 21:4212
NAGY, Stephen W. Charge-exchange scattering of He$^+$ by He, Ne, and Kr, 25:11716
Measurement of total cross section for symmetric charge exchange in helium from 400 to 2000 eV, 23:8447
NAGY, Stephen William Charge exchange measurements for He$^+$ on He, Ne, and Kr, 25:11705
NAGY, T. Decays of the positive parity mesons in SU(6)W, 21:29613
Higher meson resonances in SU(6) symmetry, 21:9824
Negative parity baryon resonances in SU(6) symmetry, 23:18950
Production of spontaneously fissioning isomers of U, Pu, and Am in neutron reactions, 25:20369 (JINR-P3-5528)
Review of current algebra results in the weak decays of the metastable hadrons, 23:44631
Weak decays of the metastable hadrons, 23:44641
NAGY, Tibor Angular anisotropy of fragments from ternary fission of ^{235}U and ^{238}U, 23:11010
Current algebras and meson decays, 24:37762
Detection of spontaneously fissioning isomer states, 23:44947
Group theory methods in elementary particle physics, 24:6738
Measurement of the relative probability of ternary fission in ^{233}U, ^{235}U, ^{238}U, and ^{232}Th, 21:27609
Weak interactions, 22:7481
Weak interactions, 24:6708
NAGY, Z. Toxic and radioprotective effect of cysteine on E. coli cells, 24:50952
NAGY, Zs. Analysis of the radioprotective effect of cysteine on Escherichia coli strains, 25:4554
Metabolic radioprotective effect of cysteine on E. coli B, 23:31997
Preirradiation acid-soluble sulfhydryl level-changes in E. coli in the presence of cysteine, 22:43361
Radioprotective effect of nitriles, 23:50618
Radioprotective effectiveness of cysteine, 23:22442
Radiosensitivity of E. coli 15T$^-$ and metabolic effect of cysteine, 23:8033
Radiosensitivity of E. coli B cultures. II, 21:13077
Radiosensitivity of E. coli B cultures. III, 21:26485
Sensitivity of E. coli B to irradiation. IV, 21:20284
Sensitivity of E. coli B to irradiation. VI, 21:28698
X-ray sensitivity of E. coli B cells as affected by cysteine, 25:4555
NAGY, Zsolt Chemical radiation-protective agents. II, 21:12910

  - Data on radiation-protective effect of some cysteine—cysteamine derivatives, 22:28598
- NAGYKALDI, A. Study of radiation-sterilized drugs and their aqueous solutions, 25:16392
- NAGYLAKI, T. S-matrix models for weak interactions, 24:40328
  - Why is N*(1470) not observed in photoproduction experiments, 24:40301
- NAGYLAKI, Thomas Current commutators in quantum electrodynamics, 21:37923
  - Electromagnetic mass differences of the pseudoscalar-meson and baryon octets, 24:26406
  - Finite-energy sum rules with complex conjugate Regge poles in πN charge exchange, 25:22835
  - Remarks on electromagnetic mass differences, 24:37719
- NAGYLAKI, Thomas Andrew Current commutators in quantum electrodynamics and electromagnetic mass differences of the pseudoscalar meson and baryon octets, 25:14795
- NAHABETIAN, R. S. Geometrical part in Feynman—Goldstone diagram, 24:24448
  - SU3 fractional parentage in the 1-p shell, 25:23062 (LYCEN-7078)
- NAHABETIAN, Robert Overlapping of α substructures in reaction $^{12}C(t,\alpha)^{11}B$, 23:40127
  - Reaction (d,α) on ^{14}N and ground-state and first-excited levels of ^{12}C, 23:39958
- NAHARIN, A. Cerium-144 transfer to mouse embryos and offspring via placenta and lactation, 24:4555
- NAHAVANDI, A. N. Space-dependent loss-of-coolant accident analysis for pressurized-water nuclear plants, 22:5977
- NAHAVANDI, Amir N. Comparison of equilibrium and nonequilibrium thermodynamic models in a water-reactor pressurizer, 22:4348
  - Improved pressurizer model with bubble rise, 24:36030
  - Loss-of-coolant accident analysis, 23:23945
- NAHM, C. W. Radiative alpha capture by ^{38}Ar and ^{36}Ar, 22:1641
- NAHM, Chun Woo Radiative alpha capture by ^{38}Ar and ^{36}Ar, 22:24850
- NAHM, Hugo Changes of α-hydroxybutyrate dehydrogenase and lactate dehydrogenase in serum and the different organs of ^{60}Co and x whole-body-irradiated rats, 21:32567
- NAHMAN, N. S. Frequency and time domain analysis of superconductive coaxial line using the BCS theory, 23:29277
  - Frequency and time-domain analysis of a superconductive coaxial line using the two-fluid model, 22:29397
  - Measured time and frequency response of a miniature superconducting coaxial line, 24:43929 (UCRL-72574)
- NAHON, Fernand Heat equation and spiral structure of disk galaxies, 24:17583
  - One-dimensional N-body problem and gas rectilinear motion, 25:47538
- NAHR, H. ZnO crystal as sensitive and selective detector for atomic hydrogen beams, 22:2357
- NAHRSTEDT, Uve Quotient between energy flux and ion doses as a characteristic of x radiation, 24:21172
- NAHUM, H. Hepatic scintigraphy with ^{131}I-labelled albumine macroaggregate (application to the diagnosis of hepatic tumors), 25:49231
- NAHUM, J. Competitive trapping in Na disilicate glasses doped with Eu^{+3}, 21:5953
  - Optical properties of F-aggregate centers in LiF, 21:16978
- NAHUM, Louis H. Laser energy: its tumoricidal effect, 21:8878
- NAIDA, A. P. Balance of negative ions in plasma source of great intensity, 24:35442
  - Collective oscillations in a synthetic plasma composed of positive and negative ion beams, 25:36220
- NAIDA, O. N. Observed effects in relativistic tensor theories of gravitation in plane space, 23:51995
  - Possible nonconservation of baryon number in general relativity, 24:10838
  - Possible verification of equivalence principle (for atomic phenomena) in second and higher orders in Newtonian gravitational constant, 22:46519
  - Verifying equivalence principle in second order in Newtonian gravitational constant, 23:15242
- NAIDECH, H. Basal-cell carcinoma of head and neck, 25:24260
- NAIDENOV, B. M. Evolution of the earth crust according to data on the isotopes of mineral lead, 21:34333
- NAIDENOV, V. O. Background characteristics of industrial gas-filled counters, 21:6240
  - Low background gas-filled electron and x-ray counters. (Review), 21:1603
  - Measurement of tritium and ^{3}He in Al targets, 25:55902
- NAIDENOVA, G. A. Action of radiation on electrical-engineering porcelain, 24:14997
  - Structural changes in some ceramic materials during neutron irradiation, 22:23906
- NAIDENSKII, M. S. Effects of gamma radiation on poultry, 23:20348
- NAIDICH, Yu. V. Diamond and graphite wetting with melted metals and alloys. VII, 22:47707
  - Liquid-phase sintering, 24:39616
- NAIDORF, B. Yu. Alfven waves in an inhomogeneous plasma with finite pressure, 24:49220
- NAIDU, J. R. Exposure of Anadara granosa to secondary coolant (sea-water) of nuclear reactor, 21:22306
  - Zinc-65 distribution in Pacific hake, 24:14395 (RLO-1750-54, pp 163-5)
- NAIDU, M. G. C. Leaching patterns of monazite and zircon, 25:10723
- NAIDU, N. V. Effect of post-treatment with erythropoietin (S) on survival and erythropoietic recovery in irradiated mice, 21:30849
  - Modification of x-ray-induced mutation frequency by post-treatment with plasma factors in mice, 22:12833
- NAIDU, P. P. Colorimetric determination of traces of Se, Te, Mn, and Ce, 25:2073
  - Titrimetric determination of U(IV) alone and in mixtures with V(IV), Mn(II), Ce(III), and Fe(II), 25:2099
- NAIDU, P. R. J. Conference of the International Mineralogical Association, New Delhi, 12/64, 23:13632
- NAIDU, Prabhakar Satyanarayan Ion optics of the mass spectrometer ion source, 21:8656
- NAIDU, R. Raghava 2', 3', 4'-trihydroxy chalcone as an analytical reagent for Nb and Ta, 22:33285
- NAIGEON, J. ESSOR: an example of German—French cooperation, 23:43162
- NAIK, B. P. Analysis of Pu. I, 24:50337 (CONF-690916-(Vol.2), pp 244-51)
- NAIK, M. C. Diffusion of carbon in stainless steels, 24:42113
  - Diffusion of chromium and iron in Zircaloy-2, 23:6683
  - Diffusion of molybdenum and cerium in beta—zirconium, 23:27045 (BARC-377)
  - Kinetics of release of xenon from sintered (ThO_2—0. 1 percent UO_2) pellets, 25:23582 (BARC-513)
  - On self diffusion in alpha zirconium, 22:47678
  - Post-irradiation thermal release study of fission gases from fuel pellets, 25:40128 (BARC-538)
  - Self and impurity diffusion in alpha-zirconium, 21:36858
- NAIK, Pramod K. Glass orbitron pump of 5-cm diameter, 22:19090
- NAIK, R. C. Dc arc method for the determination of rare earth impurities in yttrium oxide, 25:37261 (BARC-521)
- NAIK, S. G. Separation of ^{131}I from neutron irradiated Te using hydrogen peroxide, 24:50445 (CONF-690916-(Vol.2), pp 109-11)
- NAIK, S. S. Neutron-produced trapping centers in junction field-effect transistors, 25:44745 (SC-DC-713707)
- NAIKI, Masaharu Tyzzer's disease in laboratory animals, 22:47586
- NAIKI, T. Fabrication and testing of full-size pressure vessel model, 24:25179
- NAIKI, Torazo Electroslag welding of ASTM.A 302 B heavy steel plate for reactor pressure vessels, 21:26771
- NAIL, J. H. CLOTHO: code for communicating reactor mass balance data to reactor economics codes, 22:46861 (BNWL-770)
  - Economically optimum plutonium lattices for water reactors, 21:7948
  - Economically optimum plutonium lattices for water reactors, 21:30106 (BNWL-SA-738)
  - Method for calculation of group-averaged resonance parameters, 22:5717
  - PACTOLUS: code for computing nuclear power costs. I, 21:38441 (BNWL-429)
  - PACTOLUS: code for computing nuclear power costs, 24:18471 (BNWL-1169)
  - Prog. rpt. on fuel re-use, 7/68. II, 22:42162 (BNWL-254)
  - Uranium price schedules by UCOST code computation, 21:15784 (BNWL-312)
- NAIL, James H. Method for calculation of group-averaged resonance parameters, 22:3814 (BNWL-SA-1334)
- NAIMARK, A. Effect of radiation on rat lung, 25:21859
- NAIMARK, M. A. Unitary representation of noncompact groups, 22:9637
- NAIMON, Edwin Roland Second and third order elastic constants of magnesium, 25:1985 (COO-1198-756)
- NAINAN, T. D. Beta-gamma directional correlation in the decay of ^{148}Pm, 21:12055
  - Fast coincidence system for semiconductor detectors, 25:37592
  - Lifetime measurements of excited states in ^{115}In, 21:23496
  - Lifetimes of excited states in ^{115}In using a Ge(Li) detector, 25:46065
  - Time analysis system for lifetime measurements, 21:16244
- NAIR, Chitra Structural and high temperature magnetic studies of systems $PrMn_2$—$GdMn_2$ and $PrMn_2$—$TbMn_2$, 25:42894
- NAIR, Frank B. Jr. Low temperature brazing of TZM, 22:2592
- NAIR, G. H. Effect of thyroid stimulating hormone and radiophosphorus irradiation on blood components of Heteropneustes fossilis bloch, 25:590
- NAIR, G. M. Americium(III)—sulfate complexes, 23:117
  - Americium(III)-sulfate complexes, 23:11482
  - Indirect potentiometric method for the determination of plutonium, 25:54411
  - Plutonium(III): sulfate complexes, 21:35945
  - Trilaurylamine as extracting agent for purification of Pu during reprocessing of irradiated fuel, 23:19814 (BARC-374)
- NAIR, K. G. Effect of trypsin on E. coli and rabbit reticulocyte ribosomes, 21:22231 (ACRH-26, pp 106-14)
  - Increased turnover of mitochondrial constituents in cardiac hypertrophy and acute hypoxia in the rat, 24:53011 (ACRH-1000-199)
  - Levels of ^{48}V from reaction $^{47}Ti(^{3}He,d)^{48}V$, 22:26937
  - Nucleic acid changes and nuclear RNA polymerase activity in experimental cardiac hypertrophy, 24:34015 (ACRH-1000-173)
- NAIR, K. K. Differentiation of the imaginal muscles in x-irradiated house fly pupae, 24:41955
  - Effect of x-irradiation on postembryonic development of D. koenigii, 22:51971
  - Effects of x-rays on housefly, 24:17124
  - Preliminary studies on the ultrastructural damage in the flight muscles of gamma-irradiated housefly, 24:34600
  - Radiosensitivity of Khapra beetle larvae, 24:32168
- NAIR, K. Manikantan Effect of oxygen activity on structure of ZrO_2, 25:4878
- NAIR, K. N. Daily variation of the geomagnetic field and the deformation of the magnetosphere, 23:42046
  - Daily variation of the geomagnetic field at the dip equator, 24:32757
  - Geomagnetic plasma probe for solar wind, 23:48823
  - Morphology of geomagnetic field variations, 25:35990
- NAIR, K. S. S. Effects of gamma radiation on the postembryonic stages of a dermestid beetle, A. vorax waterhouse, 22:6915
- NAIR, Keshavan Structural stability of large cavities for Project Payette, 22:42920 (CONF-680908-1)
- NAIR, Kesi Prog. rpt. on chemical structural studies by nuclear techniques, annual, 3/68—2/69, 23:21681 (ORO-3345-4)
- NAIR, M. Krishnan Chemical sensitizations in radiotherapy of carcinomas, 21:26481
- NAIR, N. B. Air monitoring instruments used at the Bhabha Atomic Research Centre, 23:47775
  - Slope sensitive alarm for use with fixed filter air monitors, 25:34909
- NAIR, P. Madhusudanan Asparagine synthetase from γ-irradiated potatoes, 25:13365
  - Effect of gamma irradiation in the induction of asparagine synthetase in potatoes, 25:32363
  - Effect of gamma irradiation on potatoes, 25:46748
- NAIR, P. V. N. Reduction of inhalation dose in working areas, 23:14206
- NAIR, P. V. Ramachandran Standardization of ^{14}C stock solutions using scintillation and biological methods in primary production studies, 22:6724
- NAIR, Padmanabhan P. Liquid scintillation counting of ^{14}C-labeled hemin, 24:4238
- NAIR, R. Kesavan Influence of the radial distribution of nuclear charge on asymmetry in fission, 25:23100
- NAIR, S. C. K. Angular momentum projection approach to nuclear rotations in rare-earth region, 25:20541
  - Beta-decay and μ-capture coupling constants, 23:17132
  - Collective modes in nuclei, 23:37130
  - Deformed configuration mixing model for some s-d shell nuclei, 22:32522
  - Fermi functions for superallowed beta decays and value of G/sub V/, 22:5891
  - Fundamentals of β-decay theory, 21:13935
  - Nuclear physics symposium, Calcutta, 7/69, 24:28695
  - Photoproduction of charged pions from ^{16}O, 21:35427
  - Shape mixing in ^{20}Ne, 25:59728
  - Validity of Hartree—Fock calculations before angular momentum projection, 22:27045
  - Validity of Hartree—Fock calculations before angular momentum projector: test in ^{20}Ne, 24:49785 (SINP-TH-67-20)
  - Work on theoretical nuclear physics at SINP, 24:28845
- NAIR, S. G. K. Recovery of lanthanum from didymium chloride, 23:15955
- NAIR, S. K. Efficacy of radioactive iodine therapy for hyperthyroidism, 21:12901
- NAIR, S. M. K. Annealing of chemical radiation damage, 24:19031
  - Annealing of electrical conductance change in γ-irradiated lead nitrate, 24:30384
  - Evidence of the influence of crystal defects on the annealing of chemical radiation damage, 22:116
  - Influence of crystal defects on photoannealing of chemical radiation damage, 22:30616
  - Kinetics of isothermal annealing of gamma-irradiation damage in crystalline lead nitrate, 25:2236
  - Photo-annealing of chemical radiation damage, 21:42989
- NAIR, V. Effects of low doses of x radiation during pregnancy, 24:23107 (CONF-690501-, pp 899-911)
  - Effects of prenatal x-irradiation in rat, 23:18100
  - Effects of prenatal x-irradiation on rat central nervous system, 24:34669
  - Hypothalamic regulation of hepatic hexobarbital metabolizing enzyme system, 24:46667
  - Inhibition of a hepatic microsomal enzyme system after head x-irradiation of rats, 22:23467
  - Prenatal and early postnatal exposure to environmental toxicants, 22:49596
- NAIR, V. C. Improved method for production of ^{131}I from pile irradiated tellurium, 22:10289
  - Reversed-phase partition chromatographic separations with H_2MEHP and HDEHP, 23:35268
  - Separation of ^{131}I from neutron irradiated Te using hydrogen peroxide, 24:50445 (CONF-690916-(Vol.2), pp 109-11)
- NAIR, Velayudhan Effects of x irradiation on pharmacology of barbiturates, 23:50291
- NAIRN, J. H. Dissolution of plutonium in dilute nitric acid, 25:2153
- NAIRN, J. S. Uranium dioxide fuel in the MK II gas cooled reactor (AGR), 25:54090 (A/CONF.49/P-501)
- NAIRN, John Syme Improvements in gas-cooled reactors, 25:1884
- NAIRN, R. C. Immunoradioactive agent against cancer, 21:24517
  - New immunoradioactive agent: ^{32}P-conjugated antibody, 24:4586
- NAISMITH, Donald Porter Sensible heat sources using fission products, 21:32336
- NAISMITH, Robert William Genetic control of accumulation of five chemical elements in Zea mays, 25:48420 (TID-25767)
- NAISSE, J. Study of the π^- mesonic decay of the ΛHe^5 hypernucleus, 24:5235
- NAISTETER, S. I. Photoproduction of $\Delta(1238)$ isobar at photon energies below 1 GeV, 24:1548
  - Photoproduction of the isobar Δ (1238), 25:9798
- NAITO, K. Phase transition and phase diagram in U_4O_9 phase, 24:27875
  - X-ray study on a phase transition of U_4O_9, 21:28844
- NAITO, Keiji Dielectric properties of U_4O_9 and UO_2, 23:42480
  - Electrical conductivity and defect structures in non-stoichiometric UO/sub 2 + x/, 25:3210
  - Electrical conductivity study on phase transitions in U_3O_8, 24:46809
  - Preparation of thorium carbides, 21:32966
  - Properties and structures of uranium oxides with emphasis on nonstoichiometry, 22:41098 (JAERI-4045)
  - Single crystals of uranium oxides by chemical transport reactions, 25:22139
  - Solubility of KUO_3 in $BaUO_3$, 24:3040

  - Studies on Mg/sub y/U/sub 1-y/O/sub 2+ x/. I, 24:16511
  - X-ray and neutron diffraction study on phase transition in U_4O_9 phase, 25:24656
- NAITO, Minoru Alpha-spectrometer, 21:1581
- NAITO, Seichi Multiple poles in the off-shell scattering amplitude, 23:39841
  - Reality of the eigenvalues of the Bethe—Salpeter equation, 24:1651
- NAITO, Seiichi S-matrix and abnormal solutions of the Bethe—Salpeter equation, 23:5694
  - Spectra of massless and zero energy-momentum solutions of the Bethe—Salpeter equation, 22:53021
- NAITO, Shuichi Behavior of hydrogen chemisorbed over the electron donor—acceptor complexes of aromatic hydrocarbons with sodium in the hydrogen exchange and hydrogenation reactions, 22:42679
  - Mechanism of H_2—D_2 exchange over ZnO, 24:29282
- NAITO, Tadao Protein synthesis and ribonucleic acid metabolism in soybean embryos after seed irradiation with γ-rays, 25:52262
- NAITO, Takio Collector pocket for an isotope-separation device, 22:36009
- NAITO, Teruyuki Reaction of acetylene with gamma radiation under pressure. II, 21:4555
  - Reaction of acetylene with γ radiation under pressure. II, 21:21991
  - Reaction of acetylene with γ radiation under pressure. II, 22:10291
- NAITO, Yasuo Experimental studies on the correlation between lethal effect in fractionated irradiation and the recovery of bone marrow cells in mice, 25:19108
- NAITO, Yoshitaka Reference design of PuO_2—UO_2 assembly for JPDR-II core, 25:50889 (JAERI-Memo-4327)
- NAITOH, Yoshitaka Nuclear, thermal-hydraulic performance analysis of JPDR, 21:15655 (JAERI-1114)
- NAJA, A. Clearance rates and index of circulatory activity of ^{133}Xe in cancerous tissues, 22:38231
  - Isotopic determination of fetal—placental blood mass in utero, 24:32098
  - Purification rate ^{133}Xe, index of circulatory activity of tumorous tissue, 21:45734
- NAJAC, Harold W. Investigation of the effects of ruby laser radiation on ocular tissue, 21:16427 (AD-638917)
  - Toxic effect of thermal neutrons on the rabbit electroretinogram, 25:8761
- NAJAM, M. R. Cross section of ^{25}Mg(tau,γ)^{28}Si reaction, 25:28206 (ANU-P-508)
  - Cross section on the ^{25}Mg(tau,γ)^{28}Si reaction, 25:38948
  - Decay of ^{43}Ti to ^{43}Sc, 25:22991
  - Efficiency calibration of a Ge(Li) detector, 23:33396
  - In-beam study of prompt γ-rays emitted in ^{64}Zn(p,nγ)^{64}Ga reaction, 25:56732
  - Low-lying energy levels in ^{73}Ge, 23:15386 (PINSTECH/PHY-14)
  - Low-lying levels and decay structure in nucleus ^{62}Cu, 24:28730 (ANU-P-485)
  - Low-lying levels and decay structure in ^{62}Cu, 25:14940
  - Neutron flux enhancement in thru-tube of PARR, 21:40691
  - Selection of lead for gamma-ray shielding and in-pile collimation, 22:24369 (PINSTECH/PHY-9)
  - The decay of ^{43}Ti to ^{43}Sc, 25:25661 (ANU-P-509)
- NAJAM, Mohammad Ramzan Ge(Li) detector used in a pair spectrometer configuration, 23:11819 (PINSTECH/PHY-13)
- NAJARIAN, John S. Birth defects in child of male recipient of kidney transplant, 24:23388
  - Effect of total body irradiation on transplantation immunity, 21:20343
- NAJAR JOA, Manuel Effects of ionizing radiation on blood volume and its components, 22:19402 (NP-16717)
- NAJEAN, Y. Platelet lifespan, 25:2579
  - Study of platelet and granulocyte kinetics using isotopic methods, 23:45620
  - Treatment of leukemias by radioisotopes, 22:10805
  - Use of ^{75}Se-methionine for in vivo study of platelet kinetics, 24:41732
- NAJER, Andrzej Conjugation and recombination in bacteria. VII, 24:31906
- NAJITA, Kazutoshi Generating mechanism for white-light solar flares, 24:10298
  - White-light events as photospheric flares, 25:11619
- NAJUC, M. Contact effects between molten UO_2 and sodium and molten UO_2 and water, 25:6891 (EURFNR-811)
- NAJZER, M. Fission-spectrum-averaged neutron cross-sections for some threshold detectors, 25:14968
  - Radiative capture of neutrons in region of dipole giant resonance. II, 23:37148
  - Radiative neutron capture in region of dipole giant resonance. I, 23:37145
  - Report on research programs at the reactor TRIGA Mark II at the Inst. Jozef Stefan, Ljubljana, 25:28778
  - Set of seven threshold detectors used as a fast neutron spectrometer, 24:27384 (IJS-570)
- NAKA, Shigeharu Pressure effect on the formation of compounds in the Y_2O_3—Al_2O_3 system, 21:1334 (LA-tr-66-64)
- NAKA, Sigefumi C, P, and T in c-number infinite component wave function, 25:53252
- NAKABUSHI, H. Atomic mass determinations. II, 23:20069
- NAKACH, R. Equilibrium of a plasma column in a rotating magnetic field, 23:34453 (CONF-680113-(Vol.4), pp 1245-62)
- NAKACH, Roland Incoherent scattering of millimeter waves by a plasma, 24:23957
- NAKACHE, F. Fuel-cycle burnup and power distribution of Dresden-I reactor, 21:38540
  - PLATR Boiling Water Reactor criticals, 22:44839 (UNC-5195)
  - Some problems and advances in state-of-the-art in analysis of Wood River Junction, Rhode Island accidental criticality excursion, 21:24420 (UNC-RD-3061)
- NAKACHE, F. R. Development and use of Monte Carlo techniques in reactor design at United Nuclear Corporation, 22:33132
  - Monte Carlo calculations of the thermal utilization and disadvantage factor in U and/or Pu H_2O lattices, 21:8105
  - Use of Monte Carlo techniques in reactor design, 23:15732 (ANS-RPD-1, Paper 4A)
- NAKACK Scattering of E.M. wave by a plasma, 23:12761 (CEA-CONF-1115)
- NAKADA, A. Deformations in ^{20}Ne, ^{24}Mg, and ^{28}Si from electron scattering, 25:53671
  - Determination of deformation in ^{12}C from electron scattering, 25:53617
  - Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
- NAKADA, Akira Gamma-ray scattering experiment, 24:45761
- NAKADA, M. P. Composition of the lower solar corona, 23:34226
  - Diffusion of protons in the outer radiation belt, 21:9444
  - Low-energy charged particle environment of the Earth, 21:18536
  - Low-energy charged particle environment of the earth, 21:46217 (N-67-18353)
  - Study of the composition of the solar corona and solar wind, 25:7064
  - Thermal diffusion and multiply charged atoms in the magnetosphere, 22:43990
- NAKADA, Seibei Problems in transportation of spent fuel. Developmental tests on transportation casks, 25:37561 (CONF-700211-6)
- NAKADA, Shozo Mechanism for finely adjusting positions in a linear ion accelerator, 23:39897
- NAKADA, Taishi Effect of glutathione on the protection against radiation, 25:11098
- NAKADA, Y. Cross slip in fcc alloys, 25:35386
- NAKADA, Yoshiaki Positron acceleration using 30 MeV linac, 24:18345
- NAKADA, Yoshinobu Tangential rotation by ^{60}Co—γ ray. I, 23:29657
- NAKADAN, Yasuhiro Anomalous responses of GM counter on Explorer 30, 23:25204
  - Location of temporary radiation zones, 23:25203
  - Temporary radiation zones caused by geomagnetic storms, 22:31697
- NAKADOI, Syozo 20 channel time analyzer, 23:6332
  - Diffusion parameters of thermal neutrons in paraffin, 23:8914
- NAKAE, Hideo Measurements of melting conditions in cupola by means of γ-ray penetration, 22:8262
- NAKAGAWA, Chiyoko Rejoining of x-ray-induced breaks in DNA of Ehrlich ascites tumour cells, 23:24520
  - Rejoining of X-ray-induced breaks in DNA, 24:7740
- NAKAGAWA, Genkichi Potentiometric titration with chelating agents using metal oxide electrode as an indicator electrode, 22:8008
- NAKAGAWA, H. M. Atomic absorption determination of tellurium, 22:27550
- NAKAGAWA, Haruo Age of fission neutrons to indium resonance in water and polyethylene, 25:28157
- NAKAGAWA, Hideki Beryllium-7 in rain water from Fukuoka, 21:8461
- NAKAGAWA, Hiroshi Operating experiences of various fast breeder reactors in the world. I, 23:26055
  - Operating experiences of various fast breeder reactors. II, 23:31133
  - Operating experiences of various fast breeder reactors. III, 23:40284
  - Operating experiences of various fast breeder reactors. IV, 23:45110
  - Operating experiences of various fast breeder reactors, 23:49592
  - Operating experiences of various fast breeder reactors in the world. VI, 24:4098
  - Operating experiences of various fast breeder reactors in the world. VII, 24:5511
  - Operating experiences of various fast breeder reactors in the world. VIII, 24:20608
  - Problems in steam generators for Na-cooled fast breeder reactors, 25:23324
  - Survey of concepts of prototype fast breeder reactors in the world, 23:2004
- NAKAGAWA, Isamu Spectrographical analysis of ^{235}U with a hollow cathode discharge tube, 25:54435
- NAKAGAWA, Jun Determination of protein-bound I in sera by neutron activation analysis, 21:32096
- NAKAGAWA, K. Cabibbo angle and SU_3 x SU_3 breaking effect on $K^{+-} \rightarrow \pi^{+-} + \pi^0$, 24:20127
  - Dynamical rearrangement of approximate symmetries, 21:33729
  - Radiation injuries of urinary tract, 23:4998
  - Radiation sterilization of laboratory animal diets, 25:47073
- NAKAGAWA, Keisuke Intestinal damage following fast neutron irradiation, 24:2791
- NAKAGAWA, Kyoichi Effects of postoperative cobalt irradiation on heart, 24:48734
- NAKAGAWA, M. Application of current algebra to weak interactions, 23:39684
  - Energy spectrum of a nova-like x-ray source, 25:13849
  - Observation of a new x-ray source, 24:6306
  - Quark model and soft-pion emission in leptonic decay of mesons, 22:22378
  - S-wave nonleptonic hyperon decays and models of baryons, 22:7485
  - S-wave nonleptonic hyperon decays and models of baryons, 22:24613
  - Similarity between the medium-strong symmetry-breaking and nonleptonic weak interactions, 21:37730
  - Weak interaction of elementary particles, 21:40189 (NP-16978)
- NAKAGAWA, Masami Dynamical structure of mass matrix of K^0—antiK^0 complex, 25:36466
  - $\Delta I = {}^1/_2$ rule, S(Σ/sub +/$^+$) = 0, P(Σ/sub -/$^-$) = 0 and law of configuration conservation in weak nonleptonic processes, 25:53121
  - Non-leptonic weak interaction, 24:49420
  - Sixth interaction. II, 23:10795
  - Sixth interaction: origins of the CP violation, 23:5646
  - Universal V—A current—current interaction with CP violation, 24:40443
  - Upper bounds on the neutral current with $\Delta S = 1$, 25:40948
- NAKAGAWA, Masatoshi Sodium-void experiment in unit k-infinity core, 25:20793
- NAKAGAWA, Masayuki Accuracy of analytical treatments for resonance absorption in Doppler resonance regions, 25:10038
  - Burn-up of large Pu—U fast reactors, 23:40338
  - Concept of group constants in resonance energy region. I, 23:46907
  - Effective cross sections in the resolved resonance region of ^{238}U, 24:35879
  - JAERI fast reactor group constants systems. II-1, 25:17862 (JAERI-1199)
  - Neutron cross sections in unresolved resonance region, 24:22205
  - Number of resonances to be adopted for obtaining practically reliable cross section curves, 25:20395
- NAKAGAWA, Masuo Color centers in MgO:Ni induced by neutron irradiation, 25:25225
  - Low temperature irradiation facility, 23:43452
  - Low temperature irradiation facility of KUR, 24:27286 (KURRI-TR-69)
  - "Mirror" absorption and fluorescence in MgO, 22:7364
  - Phonon-assisted optical absorption in irradiated MgO, 22:29572
  - Radiation damage studies using the low temperature irradiation facility. V, 25:36290
  - Zero-phonon lines and phonon coupling in neutron-irradiated MgO crystals, 22:15643
- NAKAGAWA, Roy K. Nuclear reactor installation, 25:44212
  - Nuclear reactor installation, 25:44214
- NAKAGAWA, Shigeo Electronics system for a balloon borne experiment identifying nuclear charge of primary cosmic ray, 22:16875
  - Observation of particle fluxes by L-3 rockets, 22:38836
  - Rocket-borne dE/dxE semiconductor detector telescope for particle identification, 23:26537
- NAKAGAWA, Shigeru Disorders among in utero exposed children, 21:12911
  - Disorders noted among A-bomb exposed women, 21:12958
  - Fetal hazards due to x-ray diagnosis during pregnancy, 22:40903
  - Lowering irradiation doses to sexual organs during uterosalpingography, 21:20286
  - Radiation exposure in utero. II, 22:6882
  - Radiation exposure in utero. III, 22:6879
- NAKAGAWA, T. Determination of free thyroxine in human serum, 23:45230
  - Measurement of plasma flow rate and glomerular filtration rate, 23:29647
  - Proton widths of excited states in ^{29}P by the ^{28}Si(^{3}He,d)^{29}P reaction, 21:7753
  - Reaction (^{3}He,d) on ^{116}Sn, ^{118}Sn, and ^{120}Sn, 22:3734
  - Reaction ^{9}Be(^{3}He,t)^{9}B, 22:26886
  - Reaction ^{9}Be(^{3}He,t)^{9}Be in 3.0- to 3.8-MeV region, 22:39578 (CONF-670970-, pp 243-52)
  - Reactions (^{3}He,t) on ^{7}Li and ^{9}Be from 2.0 to 4.2-MeV, 24:10932
- NAKAGAWA, Takemi Electron loading in the accelerating tube of Van de Graaff generator, 21:19106
  - Levels of ^{117}In from the ^{116}Cd(^{3}He,d)^{117}In reaction, 25:39027
  - Nuclear structure of ^{44}Ti by reaction ^{43}Sc(^{3}He,d), 23:3978
  - Nuclear structure study of ^{141}Pr and ^{143}Pm, 24:20403
  - Reaction (^{3}He,α) on ^{7}Li from 5.0 to 8.0 MeV, 25:5571
- NAKAGAWA, Toshio Butanolysis of B-tris(phenylethynyl)borazine in 1-butanol—dioxane mixed solvent, 22:35784
  - Kinetics and mechanisms of hydrolysis of borazine derivatives in aqueous dioxane, 22:18791
- NAKAGAWA, Tsunehiko Radiation chemistry of cyclic dienes. II, 21:42967
  - Radiation chemistry of cyclic dienes. III, 22:8114
- NAKAGAWA, Tsuneo GRAPH: computer program for plotting experimental data in NEUDADA system, 25:20230 (JAERI-Memo-4116)
- NAKAGAWA, Tsutomu Radiation protection of poly(vinyl chloride) by N-methyl dithiocarbamate substitution, 25:31988
  - Retardation of discoloration of poly(vinyl chloride) and decolorization of discolored poly(vinyl chloride) with diimide, 22:35864
  - Transport of fixed gases in radiation-stabilized poly(vinyl chloride), 25:26280
- NAKAGAWA, Tsuyoshi Determination of protein-bound I in sera by neutron activation analysis, 21:32096
- NAKAGAWA, Y. Axisymmetric hydromagnetic equilibria, 25:6928
  - Axisymmetric magnetic field with differential rotations in a spherical fluid shell, 22:21810
  - Axisymmetric magnetic field with differential rotations in a spherical fluid shell. II, 23:44108
  - Computation of current sheet speeds in plasma accelerators, 24:30346
  - Generalized Ohm's law with radiation pressure, 24:32552
  - Hydromagnetic oscillations of a differentially rotating spherical shell, 24:8250
  - Oscillations and the stability of rotating masses with toroidal magnetic fields, 24:27935
  - Periodic structures in quiescent prominences, 23:51289
  - Plane blast wave produced by dense plasma focus, 24:17950

Solar differential rotation and Rossby-type waves, 24:10322
Thermal and dynamical stability of prominences, 24:37108
Thermal generation of magnetic fields with radiation pressure in rotating stars, 24:1151
Topology of an axisymmetric magnetic field of a differentiating rotating Sun, 23:14535
Topology of filaments and chromospheric fibrils near sunspots, 25:55749
Waves at plasma—magnetic field interface, 22:19999
NAKAGAWA, Yoshinari Development of the Evershed motion in sunspots, 23:36384
Origin of Evershed motion in sunspots, 22:29144
Possible acceleration mechanism for a solar surge, 23:10397
NAKAGAWA, Yoshiro Experiment of linear turbulent heating of plasma, 22:15511
Palladium plasma source, 25:52836
X rays from a plasma in a mirror field heated by linear turbulent heating, 22:52764
NAKAGAWA, Yukiya G. Ageing and precipitation in Fe—Be alloys, 22:49855
NAKAGIRI, Akikazu Study of isothermal softening processes occurring in undoped tungsten wire (0.38 mm), 22:11002
NAKAGOME, Y. Coulomb stripping in reaction ^{89}Y(d,p)^{90}Y at 4 MeV bombarding energy, 23:19226
Reaction ^{89}Y(d,p)^{90}Y at energy below the Coulomb barrier, 22:27050
Reaction ^{9}Be(^{3}He,t)^{9}B, 22:26886
Reaction ^{9}Be(^{3}He,t)^{9}Be in 3.0- to 3.8-MeV region, 22:39578 (CONF-670970-, pp 243-52)
Reactions (^{3}He,t) on ^{7}Li and ^{9}Be from 2.0 to 4.2-MeV, 24:10932
NAKAGOME, Yasuo Chromosome aberrations and malignant disease among A-bomb survivors, 24:25444
NAKAGOME, Yoshihiro Measurements of neutron flux and spectrum at KUR irradiation facilities, 24:26808 (KURRI-TR-60)
Neutron flux and spectrum at irradiation facilities of KUR, 23:49596
NAKAHARA, H. Decay of /sup 77m/Ge, 23:39987
Ingestion of Thorotrast by amoebocytes, 24:34060
Ranges of shielded nuclides from thermal-neutron fission, 24:3925
NAKAHARA, Hiromichi Calculation of kinetic energy and most-probable charge in fission, 25:28408
Measuring fission spectra with semiconductor detectors, 21:17360
Ranges of shielded nuclides from thermal-neutron fission of ^{233}U and ^{235}U, 21:1080 (TID-23365)
NAKAHARA, Hiroshi Ingestion of Thorotrast by amebocytes, 23:35605
NAKAHARA, K. Electroexcitation of the 10.8-MeV level of ^{12}C and the 7.12-MeV level of ^{16}O, 23:19182
Electroexcitation of the giant resonance in ^{12}C, 24:30706
Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:45923
Study of nuclear states in ^{58}Ni by inelastic electron scattering, 24:10961
NAKAHARA, Kazuo Inelastic electron scattering from light nuclei, 25:38885 (JAERI-1205, pp 71-7)
Study of atomic nucleus by electron scattering, 25:10014
Study of nuclei by electron scattering, 25:59736
NAKAHARA, Motohiro ESR studies on gamma-irradiated (KPO$_3$)/sub n/ crystals, 24:25088
NAKAHARA, Y. FREDAM-BI: FORTRAN-IV program for computation of the frequency distributions of Be and ice by root sampling method, 22:15920 (JAERI-1146)
NAKAHARA, Yasuaki Phonon spectrum and thermal neutron scattering in light water ice, 23:10921
Prog. rpt. on nuclear safety experimental program, 4—10/70, 25:20763 (JAERI-Memo-4229)
Thermal neutron scattering from simple liquid metals, 25:25662 (JAERI-Memo-4191)
Thermal neutron scattering from simple liquid metals, 25:31176
NAKAHARA, Yoshinori Remotely operated pipetter, 22:37915
NAKAHARA, Yuki Determination of Mo in steel, 23:40544
NAKAHIRA, Mitsuoki Crystal growth of vanadium dioxide, 24:34935
Low-temperature phase transition of vanadium sesquioxide, 24:14942
Superstructure of VO/sub x/ in the range x = 1.15 to 1.25, and its stability, 25:43007
NAKAI, A. New method of the rectilinear strip beam formation under space-charge condition, 21:40329
Novel dry plate for recording energetic particle beams, 25:6545
NAKAI, Akira ETL electromagnetic isotope mass separator. I, 24:19178
ETL electromagnetic isotope mass separator. II, 25:41157
New method for recording beam of energetic particles. II, 25:20218
NAKAI, Eiichiro Fabrication of uranium monosulfide, 24:23514
Heat capacity of uranium monosulfide from 300° to 600°K, 24:43997
Oxidation behavior of uranium monosulfide, 23:22624
NAKAI, George S. Effects of chemotherapeutic agents on the RNA metabolism of ^{90}Sr-induced rat chloroleukemia, 25:32447
NAKAI, Junji Analysis of natural radioactive elements in granitic rock samples by gamma ray spectrometer, 23:9326
Gamma—gamma logging for heavy metallic ore deposit by use of ^{75}Se, 24:31480
Measurement of rock density and prospecting for heavy metallic ore deposits by using gamma—gamma logging, 24:48175
NAKAI, K. Evidence for oblate deformation of the 9/2$^-$ isometric state in ^{197}Tl, 25:23038
Half-lives of rotational levels in ^{153}Sm, 24:43342
Lifetime of the first excited state in ^{206}Pb, 24:43335
Lifetimes of ground-band states in ^{148} ^{150} ^{152}Sm, 25:31364
Magnetic moment of ^{12}B, 22:26873
Nuclear lifetime and g factor of 19/2$^-$ isomeric state in ^{43}Sc, 25:48050
Nuclear magnetic resonance of 20 ms ^{12}B, 21:38247
Perturbed angular distributions from ^{116} ^{118} ^{124}Sn(^{40}Ar,4n) ^{152} ^{154} ^{160}Er reaction products, 24:26666
Quadrupole moment of first excited state in ^{36}Ar, 25:25699
Quadrupole moment of the first excited state of ^{20}Ne, 24:43219
Quadrupole moments excited states in ^{20}Ne and ^{22}Ne, 25:5622
Quadrupole moments of first excited states in ^{28}Si, ^{32}S, and ^{40}Ar, 24:35840
Spin dependence of the deorientation of recoiling free atoms, 24:43393
NAKAI, Katsuyuki Super neutron monitor for ground level continuous observation, 25:383
NAKAI, Kiyoshi Fast neutron generator, 21:5481
Fast neutron generator, 21:7686
Fast neutron generator, 21:7684
NAKAI, Kozi Magnetic moments of short-lived β-radioactive nuclei ^{12}B and ^{12}N, 23:8943
NAKAI, M. Y. Atomic and molecular cross sections, 21:13348 (ORNL-4063, pp 71-87)
Charge transfer cross sections for protons in gases and conversion-electron spectra in decay of ^{195}Au, 22:943 (ORNL-TM-1988)
Double-electron-capture cross sections for incident protons in energy range 75 to 250 keV, 23:8453
High-energy charge-transfer cross sections for protons and atomic H in various gases, 22:38794
Low energy electron studies in aluminum, 22:11197 (ORNL-TM-2030)
Low-energy electron beam studies in thin aluminum foils, 25:19766
Nanosecond time-of-flight studies of electrons, 21:26281
NAKAI, Masaru Albedo component of gamma rays passing through a cylindrical duct, 21:21014
NAKAI, S. Collisionless shock waves in plasmas, 23:39463
Experiments on collisionless shock waves in plasmas, 23:32392
Induction of different classes of genetic effects in yeast using heavy ions, 22:12836
Radiation-induced mitotic segregation in yeast, 23:29452
Relaxation phenomena in an ionized shock front, 23:48653
NAKAI, Sayaka Radiation-induced mitotic segregation in yeast, 23:7976 (UCRL-18066, pp 26-37)
Radiation-sensitive mutant in yeast, 21:20124
Repair of uv-induced allelic recombination in yeast, 22:47513
Studies of radiation-sensitive mutants in yeast, 25:52025
NAKAI, T. Neoplastic effects of uv on nevi in mice, 21:20348
Production of melanomas in hairless mice with ultraviolet light, 23:29763
NAKAI, Y. Experimental results of a small-scale sodium-to-sodium heat exchanger, 24:52903
NAKAI, Yasuo Examples of stress analysis of structures by finite element method, 25:60142
NAKAI, Yasushi Concentric multiple-cylinder nuclear fuel element, 23:28636
Concentrically-arranged cylindrical fuel elements, 23:19585
Development of major components for FBR, 25:18133
Device for cooling a horizontal experimental hole in a research reactor, 22:10070
Device for fixing the upper end of a nuclear fuel element, 22:14349
Device for irradiating a capsule, 24:4099
Device for sending capsules in an automatical manner, 22:48757
Irradiation device, 23:9634
Low temperature in-pile irradiation facilities, 22:14264
Low temperature in-pile irradiation facilities, 22:53430
Method for irradiating samples with thermal neutrons in D$_2$O-moderated reactor core, 22:35616
Multi-plate type fuel element, 22:14353
Nuclear fuel element, 24:7555
Nuclear reactor, 22:53434
Research reactor, 22:48738
Sample irradiation device, 23:9203
Sample irradiation device, 23:9204
Spent-fuel transport container, 23:40976
NAKAI, Yohta Energy spectrum of electrons in polystyrene, 22:8117
Energy spectrum of electrons in polystyrene, 22:43853 (AEC-tr-6937, pp 6-11)
Multiplication of Compton electrons in polyethylene, 21:19687
Multiplication of Compton electrons in polyethylene, 22:8090 (AEC-tr-6908, pp 10-17)
Number transmission of fast electrons through finite slabs of carbon and polystyrene, 21:19634
Number transmission of fast electrons through finite slabs of carbon and polystyrene, 22:8043 (AEC-tr-6908, pp 6-9)
Optical radiation from gases excited by high-energy electrons. I, 23:18376 (JAERI-5018, pp 63-4)
Optical radiation from gases excited by high-energy electrons. III, 25:10586 (JAERI-5026, pp 155-7)
Optical radiation from gases excited by high-energy electrons. II, 25:10585 (JAERI-5026, pp 153-5)
Radioinduced thermoluminescence. I, 23:17459 (JAERI-5018, pp 61-2)
Study of energy loss function of electrons by vacuum ultraviolet technique. I, 24:11575 (JAERI-5022, pp 165-8)
Tunneling of low-energy electrons and electric properties of metal-thin polymer—metal system. I, 24:11576 (JAERI-5022, pp 169-74)
NAKAI, Yoshio Isomerization polymerization of 2-vinyl-1,3-dioxolane by α,α'-azobisisobutyronitrile or by γ irradiation, 22:112
NAKAJIMA Elastic and inelastic scattering of 55 MeV protons from ^{58}Ni, 21:7752
NAKAJIMA, Akira Nuclear quadrupole oscillations due to the collective motion of all protons relative to all neutrons, 22:22638
NAKAJIMA, Atsunosuke Determination of Sn, Fe, Ni, and Cr in Zircaloy-2, 22:7024
NAKAJIMA, Eiichi Color autoradiography. I, 22:49149
NAKAJIMA, F. Polarographic analysis of hexavalent uranium in uranium dioxide, 25:34501 (CEA-tr-X-667)
NAKAJIMA, Fuminari Potentiometric titration of U(VI) or U(IV) in solution in phosphoric acid, 22:1968 (CEA-tr-X-630)
NAKAJIMA, H. Asymptotic behavior of unitarized π—π Veneziano amplitude, 24:40366
NAKAJIMA, Hajime Cladding failure in the pressure vessel of a BWR, 25:49452
Corrosion fatigue of low alloy steel in high temperature water, 25:49355 (JAERI-Memo-4355)
NAKAJIMA, K. Analysis of accountability system in a reprocessing plant and a plutonium fuel facility, 25:21297
Optics of the 75 cm hydrogen bubble chamber. I, 25:57826 (SJC-T-71-3)
Radiosensitivity and induction of somatic mutations in woody perennials, 24:31928
Safety aspects of waste management, 24:31650
NAKAJIMA, Katsutoshi Separation and determination of ^{95}Zr—^{95}Nb and ^{106}Ru in process solutions, 24:33775
NAKAJIMA, Kazutoshi Photographic apparatus for the bubble chamber tracks, 25:51901
NAKAJIMA, Kentaro Direction of development on a nuclear fuel cycle, 25:18570
NAKAJIMA, Kiyoshi Activation analysis of Br by 14-MeV neutrons in tracer study of river flow, 22:41
Activation analysis of lanthanide elements in natural water, 25:54504
Application of rare earth chelate compounds as activable tracer to tidal river flow study, 24:31478
NAKAJIMA, N. Dynamic safeguards system for multiple action levels, 25:21311
NAKAJIMA, Rokuhiko Intensity distribution of roentgen focal spot, 23:31763
Optical transfer function of radioisotope scanning. I, 21:20246
NAKAJIMA, Ryozo Rapid analysis of Ce, 23:11412
NAKAJIMA, S. Fiber texture in drawn tungsten wires, 21:45940
Multicharged heavy ion source for the IPCR cyclotron, 23:13155
Reactions ^{27}Al(^{3}He,^{3}He)^{27}Al and ^{27}Al(^{3}He,α)^{26}Al, 22:27017
Registration of fission-fragment tracks in Th- or U-doped phosphate glasses and possible application to neutron dosimetry, 22:23336
Resistometric study of the solution and precipitation of hydrides in unalloyed zirconium, 22:49833
Thermodynamics of weakly connected superconducting rings, 22:13412
NAKAJIMA, Saburo Absorbed dose measurement by fluoroglass dosimeter, 21:41285
Dosimeter glass washing process, 23:38334
Glass element for dosimeters, 22:38110
Lithium-7 dosimeter glass, 23:26588
Vitreous composition for measuring neutron flux, 24:39277
NAKAJIMA, Shigemitsu Polymerization of butadiene sulfone, 21:8352
NAKAJIMA, Shunji Acceleration of multicharged heavy ions in 160-cm cyclotron, 24:35768
NAKAJIMA, Shyunji Elastic scattering of carbon and nitrogen ions, 25:28274
NAKAJIMA, T. Applicability of TL fading to estimation of time after irradiation, 23:26592
Effects of atmosphere and grain size on thermoluminescence sensitivity of annealed LiF crystals, 24:19244
Energy dependence of LiF and CaF$_2$ thermoluminescent dosimeters for high energy electrons, 22:16915
Improvements in both energy and direction dependence of Mg$_2$SiO$_4$ thermoluminescent dosimeter, 25:44701
New thermoluminescence dosimeter of high sensitivity using a magnesium silicate phosphor, 25:57841
Preparation of thermal neutron scintillators based on a mixture of ZnS(Ag), ^{6}LiF and polyethylene, 21:32398
Resolving time measurements of Geiger counters, 25:10835
Thermoluminescence and colour centres in LiF crystals irradiated at room temperature, 25:45573
NAKAJIMA, Tadashi Measurement of Cd ratio in a U—H$_2$O subcritical assembly with scintillation detector, 21:40361
Measurement of infinite multiplication factor in heterogeneous U—H$_2$O subcritical assembly, 25:34408
Measurement of material buckling of U—H$_2$O assembly, 22:16300
Neutron flux measurement using a self-powered detector, 25:51160 (JAERI-13612)
Scintillation detector for the measurement of thermal neutrons in subcritical assembly, 22:2374
NAKAJIMA, Tetsuo High-pressure anvil for susceptibility measurement at low temperature, 24:28183
Isotopic volume effect in superconductors, 25:36060
Pressure dependence of superconducting transition temperature of CuS, 24:15205
NAKAJIMA, Tokunosuke Analytical application of x-ray excited optical fluorescence spectra. III, 24:29207

Analytical application of x-ray-excited optical fluorescence spectra. II, 24:13760
Analytical applications of x-ray excited optical fluroescence spectra. I, 24:5597
Analytical applications of x-ray excited optical fluorescence spectra. I, 25:29
Determination of small amounts of Hf, Co, Cu, W, in Zr and Zr alloys by fluorescent x-ray analysis, 25:31806
Fluorescent x-ray analysis of high-purity Dy$_2$O$_3$, 21:40795
Fluorescent x-ray analysis of zirconium alloy, 25:31820
Preparation of Zircaloy standard samples for spectrochemical analysis, 23:92
Preparation of zircaloy standard samples for spectrochemical analysis, 23:7460
Spectrochemical determination of ^{235}U, 25:26170
NAKAJIMA, Toshio Observations for proton flare project, 1969. IV, 24:35116
Observations for proton flare project, 1969. V, 24:35320
Radio observation of galactic H II regions at 4170 MHz. II, 23:30244
NAKAJIMA, Toshiyuki Applicability of a solid state Bragg—Gray cavity chamber to thermoluminescent dosimetry, 23:2671
Causes of changes in sensitivity due to re-use of LiF thermoluminescence dosimeters, 23:20023
Changes in M-band of LiF crystals during irradiation at room temperature, 23:3571
Characteristics of a fluoride thermoluminescent dosimeter with charge-sensitive amplifier, 21:16211
Characteristics of CaSO$_4$(Mn) film phosphors for use as thermoluminescent dosimeter, 22:40471
Fluorite thermoluminescent dosimeter with charge-sensitive amplifier, 22:19162 (NSJ-tr-99)
Thermal treatment effects on LiF phosphors as thermoluminescent dosimeters, 22:28186
Thermoluminescence dosimeter, 25:21449
Thermoluminescence sensitivity of annealed LiF crystals, 24:31742
Thermoluminescent dosimetry as personnel monitors, 23:7878
Thermoluminescent spectra and transition kinetics of γ-ray colored synthetic CaF$_2$ single crystal, 22:37050
NAKAJIMA, Tsutomu Preliminary design of prototype fast breeder reactor, 24:13532
NAKAJIMA, Tsuyoshi Forced convective boiling heat transfer to diphenyl in concentric annuli, 23:29088
Fully developed turbulent flow in a concentric annulus, 22:40315
Heat transfer in laminar flow of Bingham plastic fluid, 24:16782
Heat transfer in turbulent flow with internal heat generation in concentric annulus. I, 22:51166
Heat transfer in turbulent flow with internal heat generation in concentric annulus. II, 24:14162
NAKAJIMA, Y. ^{208}Pb(γ,n)^{207}Pb reaction near threshold, 25:59778 (JAERI-Memo-4520)
Computer file of resonance data, 23:5773
Inelastic scattering of protons from ^{64}Zn, 24:43247
Level structure of ^{116}Sn and ^{117}Sn from (p,d), (p,t), and (p,p') reactions, 22:30009
Level structure of ^{64}Zn by (p,d), (p,t), and (p,p') reactions, 22:26986
Level structure of Sn isotopes by (p,d), (p,t), and (p,p') reactions with 55-MeV protons, 22:27144
Neutron time-of-flight spectrometer at JAERI Linac, 21:43226 (JAERI-1138)
Neutron-resonance parameters of cadmium and antimony, 23:5898
Processing and analysis of neutron transmission data and considerations of the accuracy, 22:18104
Proton widths of excited states in ^{29}P by the ^{28}Si(^{3}He,d)^{29}P reaction, 21:7753
Reaction (^{3}He,d) on ^{114}Sn, ^{118}Sn, and ^{120}Sn, 22:3734
Reactions (p,t) on ^{150} ^{152} ^{154}Sm, 22:27147
Transitions l = 3 and 4 in inelastic scattering of protons from ^{64}Zn, 23:40006
NAKAJIMA, Yoshihumi Application of autoradiography to study of catalytic activities of Cu—Ni catalysts, 23:8252
NAKAJIMA, Yukihiko ESR studies of radical anions produced by γ-irradiation, 24:216
NAKAJIMA, Yutaka Conference on nuclear physics with linac, Tokai, 2/70, 25:38878 (JAERI-1205)
Neutron resonance of ^{59}Co at 132 eV, 24:22127
Nuclear structure of ^{46}Ti by reaction ^{45}Sc(^{3}He,d), 23:3978
Reaction (γ,n) near threshold, 25:38983 (JAERI-1205, pp 59-62)
Time-of-flight measurement of photoneutrons from ^{16}O, ^{40}Ca, and ^{31}P, 22:7663
NAKAKAWA, Takemi Reaction ^{19}F(p,α)^{16}O from 2.2 to 3.4 MeV, 21:7698
NAKAMICHI, Osamu Isotopic analyses of O and C of marine biogenic carbonates, 23:26182
NAKAMICHI, Takuro Crystal structures and magnetic properties of intermetallic compound Fe$_2$Zr, 23:3568
NAKAMOTO, Atsushi Separation of Gd from proton-bombarded Eu, 23:9519
NAKAMOTO, K. Fluctuation simulator of the reactor neutrons using the pulsed neutron source and its applications, 24:47949 (CONF-680980-, pp 175-83)
Metal isotope and high pressure effects on the infrared active skeletal vibrations in metal sandwich compounds, 25:4067
Metal isotope effect on metal—ligand vibrations. II. Tris complexes of 2,2'-bipyridine and 1,10-phenanthroline, 24:31335
NAKAMOTO, Kazuo Infrared spectrum and structure of lithium hexafluoroacetylacetonate—tetramethylethylenediamine uct, 23:9413
Metal isotope effect on metal—ligand vibrations. III. π-allyl complexes of palladium(II), 24:31334
Metal isotope effect on metal—ligand vibrations. I. Phosphine complexes, 24:31333
Metal isotope effect on metal—ligand vibrations. IV. Metal complexes of acetylacetone, 24:36236
Metal isotope effect on metal—ligand vibrations. VI. Metal complexes of 8-hydroxyquinoline, 25:26234
Metal isotope effect on Raman spectrum of [Zn(NH$_3$)$_4$]I$_2$ crystals, 25:39483
Metal isotope effect on the Raman spectrum of solid [Zn(NH$_3$)$_4$]I$_2$, 24:46223
NAKAMOTO, Saturo Iodine-131 hippuran in the evaluation of transplanted kidneys, 24:12181
NAKAMOTO, Shunsuke Improved ratio circuit for position sensitive detector and its uses, 25:23780
Multiple scattering of protons and nitrogen ions on copper, 25:9163
Ratio circuit for position sensitive detectors, 24:27372
Simplified fabrication of position sensitive detectors, 25:34896
NAKAMURA, Chiyoko Effects of x-irradiation on synthesis of labeled RNA in tumor, 22:30957
NAKAMURA, Fumio Uranium refining and UF$_6$ conversion to UO$_2$, 23:15951
NAKAMURA, Go Gamma-ray radiation damage in turbin lubricating oils, 21:31120
NAKAMURA, H. Analysis of neutron inelastic scattering by ^{238}U, 25:15135
Collective states of ^{114}Cd excited by inelastic scattering of 55-MeV protons, 22:27131
Collective states of ^{120}Sn excited in inelastic scattering of 14.698-MeV protons, 24:38207 (INSJ-116)
Core excitation of light odd nucleus by (d,p) reaction, 22:26902
Elastic and inelastic scattering of 55-MeV protons from ^{110}Cd and ^{114}Cd, 22:27201
Excitation of some sd-shell nuclei by inelastic scattering of 55-MeV protons, 22:27016
Fast-neutron capture cross-sections of Cr, Fe, Ni, and Mo, 25:14970
Inelastic scattering of alpha particles from several nuclei in the sd shell, 22:20534
Newest reports on late damages caused by the atomic bomb explosions in Hiroshima and Nagasaki (1965), 23:4996
Numerical differential cross sections of reaction ^{58}Ni(p,t)^{56}Ni with 51.9 MeV protons, 25:12431 (INSJ-124)
Search of states excited by spin-flip interactions with 55-MeV protons in sd-shell nuclei, 22:27014
Survey of theory of α(d,np)α reaction, 21:27522
NAKAMURA, Hajime High strength aluminum alloy and its production method, 23:20493
NAKAMURA, Haruto Amount of ^{199}Au in ^{198}Au, 24:11460
Amount of ^{33}P in ^{32}P separated from irradiated S, 22:35280
Diffusion of /sup 99m/Tc in neutron irradiated MoO$_3$, 25:48575
Estimation of self-shielding effect for radioisotope production, 24:28687
Impurities in ^{64}Cu produced by (n,γ) reaction, 23:315
Impurities in ^{64}Cu produced by (n,γ) reaction, 23:6162
Neutron irradiation conditions for production of radioisotopes in JRR-3, 21:46948
Preparation of ^{32}P by solvent extraction method, 22:12355
Preparation of /sup 99m/Tc by direct adsorption from organic solution, 25:57483
Production of /sup 99m/Tc, 24:31368
Purity control of target material for radioisotope production, 24:19032
Radiochemical impurities in processed ^{56}Mn, 23:19686
Radioisotope production by irradiation inside a cylindrical fuel element, 23:49598
Radioisotope production from fission products, 24:46430 (JAERI-4051)
Recovery of useful radioisotopes from reprocessing wastes and their application, 25:44420
Studies on fundamental properties of alumina adsorbent for radioisotope production, 25:41991 (JAERI-13778)
NAKAMURA, Hideko Flavor of γ-irradiated and cooked rice, 25:22004
NAKAMURA, Hideo Sheet-switch device for a reactor, 23:13921
NAKAMURA, Hiroki Approximate formula for scattering matrix in many-state collision problem, 23:18771
Associative ionization in slow collisions between atoms. I, 25:52667
Collisional excitation transfer between H atoms. I, 21:14973
Excitation of atoms by electron impact, 22:41296
Ionization of H in slow collisions with He, 24:51418
Theory of excitation transfer between atoms by collision, 22:34261
NAKAMURA, Hiroshi Analysis of the deuteron break-up process induced by alpha particles, 21:42702
Comparison between 200 kVp x-rays and ^{60}Co γ-rays by testicular weight loss of the mouse, 22:47593
Cross section of t(n,p)^{3}n reaction, 22:50528
H-quantum and integral Lorentz transformation, 23:39693
Multiplicity in high-energy hadronic collisions, 24:47431
New impulse approximation in α(d,np)α reaction, 24:5387
Principle of separability in high-energy reactions, 24:49433
Protective effect of 2-mercaptoethylguanidine $^1/_2$ H$_2$SO$_4$ against x-ray injury, 23:50620
NAKAMURA, Hisashi Analysis of heterogeneity effect by Monte Carlo method, 24:26834
Production of Type 316 stainless steel cladding tubes for fast breeder reactor, 25:35305
Using nuclear emulsions for measuring anisotropy of fast neutron fluxes, 24:18739
NAKAMURA, Hitoshi Broad energy protons from the reaction ^{12}C + d $\rightarrow$ p + ^{13}C (7.64 MeV and 8.33 MeV), 25:43814
Collective states of ^{110}Cd, ^{114}Cd, and ^{116}Cd excited in inelastic scattering of 55-MeV protons, 23:15469
Continuous energy spectra of protons and alpha particles emitted by the deuteron and alpha particle reaction, 21:15482
Elastic and inelastic scattering of protons on ^{14}N in region 10 to 15 MeV. I, 25:38901
Excitation of spin-flip states of light nuclei in inelastic scattering of alpha particles, 21:29930
Inelastic proton scattering from ^{90}Zr and ^{92}Zr, 21:38331
Inelastic scattering of alpha particles by ^{9}Be at 28.5 MeV, 22:7642
NAKAMURA, Iwao Effects of x-irradiation on ribotide [ribonucleotide] metabolism in guinea pigs, 21:6447
NAKAMURA, K. Quasi-free electron scattering on ^{12}C and ^{9}Be, 24:52415 (INSJ-122)
Regge trajectories in Wick—Cutkosky model, 23:49218
Renormalization scheme for strong-coupling lambdaphi^4 theory, 22:24728
Thermal stress in a hollow concrete cylinder, 25:52487 (ORNL-tr-2515)
NAKAMURA, Katsuichi Effectiveness of delayed neutron yield of the UTR-Kinki, 23:31204
NAKAMURA, Katsuya Comment on parity violating nonleptonic hyperon decays, 25:22762
Universal interaction for hyperon nonleptonic decay and interpretation of P-wave problem, 25:40952
NAKAMURA, Kazunari Effect of γ-irradiation on E. coli ribosome dissociation, 22:33993
NAKAMURA, Kazuo Crystal modifications of binary systems containing molten zirconia, 22:7067
NAKAMURA, Keikichi Effect of diluents on formation of Er thiocyanate with TBP, 25:120
Effects of ionic radius and organic diluents on the equilibrium phenomena of some lanthanide thiocyanate-TBP adducts, 23:11485
NAKAMURA, Kenji Reversed-phase thin-layer chromatography of metal ions, 25:18337
NAKAMURA, Kinuyo Uv induced connective tissue changes in rat skin, 23:2930
NAKAMURA, Kiyoshi Strontium concentrations in water of north Pacific and seas of Japan, 25:57310
Vertical transport of ^{90}Sr and ^{137}Cs in surface waters of seas, 24:46364
NAKAMURA, Koichi Radiative corrections to leptonic decays of hadrons, 22:46377
NAKAMURA, Kosuke Coulomb stripping in heavy ion reactions, 22:27344
Coulomb stripping in heavy ions reactions via target excitation, 24:49802
Target excitation by stripping below the Coulomb barrier in reactions between heavy ions, 25:18031
Theory of Coulomb disintegration of complex nuclei, 21:10092
NAKAMURA, Kunie Plasma cells in spleen of x-irradiated mice, 24:32237
NAKAMURA, Kunihiko Doppler coefficients for fast reactors, 23:21552
Doppler temperature coefficients of fast reactors, 25:54061
Resonance overlap effect on effective cross section, 24:49686
NAKAMURA, Kyoichi Osteogenic sarcoma secondary to irradiation, 24:2824
NAKAMURA, M. Germanium FET: novel element for low-noise preamplifiers, 21:43310
Hypercryogenic detector-FET unit: core of high-resolution spectrometer, 22:19136 (UCRL-17901)
Hypercryogenic detector-FET unit: core of high-resolution spectrometer, 22:40450
Low-energy spectra measured with 0.7-keV resolution, 21:3303
Molecular motion of peroxy radicals of polytetrafluoroethylene, 25:13034
Theory of field strength determination in rf structures by perturbation techniques, 24:1687 (SJC-A-68-1)
NAKAMURA, Mamoru Radiosensitivity of ascites hepatoma, 24:2767
NAKAMURA, Masaharu Difference in ^{86}Rb and ^{32}P uptake at different zones of rice roots, 23:47923 (NSJ-tr-153)
NAKAMURA, Masamoto Photographic density in films for gamma-rays, 24:25316
NAKAMURA, Masao Effect of non-uniformity in the disk-loaded waveguides of electron linear accelerators, 22:11761
Rf measurements of accelerating structures of an electron linear accelerator, 22:7588
Theory of field strength determination in rf structures by perturbation techniques, 22:11760
NAKAMURA, Masashi Phase-forming processes in tantalum films through sputtering, 24:32909
NAKAMURA, Michihiro Electron spin resonance of Pd(I). I, 24:38978
Electron spin resonance of Pd(I). II, 25:31989
NAKAMURA, Michiyuki Germanium FET: novel low-noise active device, 22:2350 (UCRL-17818)
High-resolution beta- and gamma-ray spectrometer, 21:3249 (UCRL-17149)
NAKAMURA, Minoru Backscatter at x-ray exposure, 24:41900
NAKAMURA, Morio Rederivation of SU(6) mass formulas, 23:1626
Relativistic mass splitting in associative algebra, 21:27402
NAKAMURA, N. Delayed neutrons from ^{13}B, 23:7230
NAKAMURA, Naoji Effect of addition of Si, Sn, or V on Elinvar property of Ni, 24:12377
Effect of Cr, Mo, or W on Ni, 24:2938
Effect of V, Mo, W, Si, Sn, and Cr on elinvar property of Ni, 24:19427
NAKAMURA, Naotake Dielectric properties of gamma-irradiated tetrafluoroethylene—hexafluoropropylene copolymers, 21:22001
NAKAMURA, R. M. Radioisotopic color scanning of pulmonary aeroemboli, 23:2879
NAKAMURA, Robert Regional bladder megavoltage irradiation in bladder cancer, 22:4660

- **NAKAMURA, Robert M.** Solid phase radioimmunoassay utilizing polypropylene discs, 24:19284
- **NAKAMURA, Ryoichi** Determination of ^{90}Sr in biological materials, 23:35010
- **NAKAMURA, S.** Coarse mesh acceleration of iterative solution of neutron diffusion equation, 24:33514
  - Coarse mesh acceleration of S/sub N/ iterations, 25:6154
  - Controlled hydrogen partial pressure in a field ion microscope, 21:34446
  - Radioprotective effect of reticuloendothelial system blockade in mice, 25:26926
- **NAKAMURA, Sadao** Electron cyclotron damping in the microwave radiation along the magnetic field, 23:25409
  - Enhanced microwave emission from highly ionized plasma irradiated by microwaves, 21:37481
  - Experiment of the microwave propagation in a plasma along the external magnetic field, 24:17988
- **NAKAMURA, Seiji** Determination of sodium in arctic and antarctic snow strata, 24:43982
- **NAKAMURA, Seitaro** Composite model in the theory of the O(4) symmetry, 22:53011
  - Fundamental concepts in the theory of elementary particles. II, 21:13685
  - Fundamental concepts in the theory of elementary particles. I, 21:13731
  - High energy neutrino reactions and weak bosons, 23:5581
  - Interpretation of eta $\rightarrow 3\pi$ and K $\rightarrow 2\pi$ by meso-strong interactions, 21:35282
  - Magnetic moments of leptons and the leptonic boson, 23:25585
  - Model of leptonic weak interactions, 25:40954
  - Structure of weak interactions, 21:13695
  - Symmetry (O(4)) and the effects of particle mixing, 23:10844
- **NAKAMURA, Shigeki** Irradiation effects on integrated circuits. I, 23:35577
  - Pulsive radiation-induced current in electric insulators. I, 22:43198
  - Radiation induced conductivity and damage of the electric insulator, 22:12721
- **NAKAMURA, Shigeru** Preparation and the absorption spectra of U(III) in various acid solutions, 25:54540
- **NAKAMURA, Shinji** Radiographic inspection of aircraft fuselage using a ^{170}Tm gamma source, 25:44564
- **NAKAMURA, Shogo** Field-evaporation end forms of a bcc metal surface, 24:51161
- **NAKAMURA, Shoichiro** Coarse mesh acceleration of iterative sollution of neutron diffusion equation, 25:12838
  - Elements constituting a reactor control rod, 21:23764
  - Linear iterative convergence schemes of neutron diffusion and transport equations, 24:11308
  - MS/sub n/, new approach to neutron transport analysis, 22:48439
  - Problems in critical calculation for small reactors, 21:25729
  - Problems in critical calculations for small reactors, 22:18560 (WAPD-Trans-85)
  - Reactor control rod in the form of a caterpillar, 23:11362
  - Reactor control rod, 21:23769
  - Simple method for control rod worth evaluation with diffusion codes, 21:27699
  - Structure for supporting reactor control elements, 22:14335
- **NAKAMURA, T.** 4000-liter UO_2 fast core assembly-6 of ZPR-6, 23:4357
  - Calibration technique and neutron exposure characteristics of JPDR in-core monitor system, 25:1873 (JAERI-Memo-4114)
  - Central reactivity worths in fast critical assemblies, 24:29057
  - Detection efficiency of a NaI(Tl) crystal for a thick disk source, 24:50559
  - Elastic photoproduction of π^0 mesons from deuterium around the $N_1{}^*{}_2(1525)$ resonance, 22:24537
  - Fluxes intrastructure in a large, plate-type heterogeneous UO_2 fast core (assembly-6, ZPR-6), 23:4334
  - JAERI fast critical facility, 21:35700 (ANL-7320, pp 776-84)
  - Large U—carbide fast core, Assembly-5 of ZPR-6, 22:33040
  - Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
  - Rocket observation of [0I] 5577 A emission and continuum at 5300 A in night airglow, 22:31696
  - Total absorption lead glass Cherenkov counter, 22:371
- **NAKAMURA, Tadashi** Clinical observations of 67 cases of leukemia, 22:2526
  - Molecular weight of polytetrafluoroethylene obtained by radiation induced polymerization, 24:36295
  - Molecular weight of polytetrafluoroethylene obtained by radiation induced polymerization, 24:36296
  - New method of integral dose measurement with a plastic scintillator phantom, 21:22418
  - Polytetrafluoroethylene obtained by radiation induced polymerization, 24:36289
  - Radiation induced solution polymerization of tetrafluorethylene, 24:36297
- **NAKAMURA, Takao** Method of continuous production of high purity beryllium metal, 21:6790
- **NAKAMURA, Takashi** Backscattering of gamma rays from tin slabs, 23:1509
  - Backscattering of gamma-rays from semi-infinite stratified slabs of alternating tin and aluminum layers, 22:52843
  - Estimation of photofractions of very large NaI(Tl) scintillators, 21:34485
  - Radial distribution of photons backscattered from the surface of semi-infinite scatterer, 23:29173
  - Semiempirical formula for albedo of alternating layers, 23:23983
- **NAKAMURA, Takato** Extraction of Zr(IV) from sulphuric acid solutions by di-(2-ethylhexyl)-phosphoric acid, 25:32054
- **NAKAMURA, Terumasa** Carrier effects on anion-exchange and gel chromatographic behavior of ^{32}P recoil species produced in irradiated inorganic phosphates, 25:2298
  - Hot atom chemistry of solid inorganic phosphorus compounds: alkali and ammonium orthophosphates, 25:2302
- **NAKAMURA, Tetsuro** Catalytic decomposition of methanol over nickel wire, 21:34266
- **NAKAMURA, Tohru** Epitaxial growth of silicon assisted by ion implantation, 25:56347
- **NAKAMURA, Tomoo** Reactivity measurements on fast systems with natural uranium metal blanket by pulsed neutron method, 24:50192
- **NAKAMURA, Toshio** Decrease of built-in voltage in tunnel diodes caused by irradiation, 21:8665
- **NAKAMURA, Tsuyoshi** Rocket observations of emitting height of night airglow, 22:38962
- **NAKAMURA, W.** Chromosomal aberrations in hematopoietic mouse tissues, 24:17033
  - Effects of x rays on serotonin levels in blood of mice. II, 22:19436
- **NAKAMURA, Wataru** Effect of 5-hydroxytryptophan on radiosensitivity of cells in vitro, 24:21210
  - Effect of ionizing radiation on passive transport of Na ion, 23:35639
  - Mortality and body weight response of male Wistar rats in lethal x-ray dose range, 24:36819
  - Protective effect of 5-hydroxytryptophan against lethal doses of x-radiation in mice, 21:20300
  - Role of leukocytes in production of interferon, 25:26986
  - Simple mathematical model for life-shortening by radiation, 25:32576
  - Thrombocytopoietic system in radiation induced hematopoietic death, 24:12287
- **NAKAMURA, Y.** Central station fast breeder-reactor plutonium fuel requirements, 23:10271
  - Crystal field and magnetic properties of CeBi, 25:33452
  - Insolubilization of polyvinylfuran, 22:4073 (LA-tr-67-109)
  - Plutonium fuel development in Japan for fast and thermal reactors, 25:54094 (A/CONF.49/P-821)
  - Rheological properties of elastomers based on cellulose fibers, 24:27141
  - Sol-gel process development in Japan, 24:30009 (CONF-700502-, pp 178-89)
- **NAKAMURA, Yasuharu** Analysis on U-type bellows, 21:16049
  - Feature establishment of fuel cycle in Japan. III, 24:31075
- **NAKAMURA, Yasuji** Phase studies and fuel performance in the system Pu—U—O, 24:10185
  - Plutonium: thermal utilization techniques, 25:19198
- **NAKAMURA, Yoshihara** Suppression of longitudinal electron oscillation by beam modulation, 25:27702
- **NAKAMURA, Yoshiharu** Enhanced damping of large-amplitude plasma waves, 25:17233
  - Spectral width of plasma oscillations, 24:30318
  - Suppression and excitation of electron oscillation in a beam—plasma system, 25:40721
  - Suppression of two-stream instability by beam modulation, 24:26226
- **NAKAMURA, Yoshihumi** Iodine-131 thyroidal uptake curve in human subjects, 21:45520
- **NAKAMURA, Yoshiko Oi** Analysis of single-pion production reactions $\pi^+ + p \rightarrow \pi^+ + \pi^0 + p, \pi^+$, 22:13760
  - Dynamics of $K\pi\pi$ resonances, 22:32133
- **NAKAMURA, Yoshio** Cellulose graft copolymers. I, 24:9389
  - Cellulose graft copolymers. II, 24:20815
  - Cellulose graft copolymers. III, 25:29108
- **NAKAMURA, Yoshizo** Combined treatment for carcinoma of the esophagus, 21:39470
- **NAKAMURA, Yosiaki** Electron—positron exchange energy and positron effective mass in an electron gas, 21:6987
  - Specific heat of a relativistic degenerate electron gas, 21:5336
- **NAKAMURA, Yositeru** Role of marine plants on radiation protection, 23:50611 (PHS-999-RH-33, pp 112-15)
- **NAKAMURA, Yutaka** Detection of Sb and Ba in gunpowder residues by activation analysis, 22:6266
  - Simultaneous determination of O, F, and Al in Al electrolytic bath by fast-neutron activation, 25:54503
- **NAKANE, Chuichi** Container for a neutron moisture meter, 21:22084
- **NAKANE, Masanori** Activation analysis of oxygen in phosphorus with fast neutron, 25:29024
- **NAKANE, Paul K.** Post-partum release of luteinizing hormone determined by radioimmunoassay, 23:35584
- **NAKANE, Rychei** Development of uranium enrichment by gaseous diffusion, 25:39648 (CONF-700211-11)
- **NAKANE, Ryohei** Present state and problems in the development of gaseous diffusion technique, 25:18602
  - Separating ^{235}U by molecular distillation of uranium hexaethoxide, 21:17734
- **NAKANE, Y.** Selective irradiation of lymph nodes and its application to clinical renal transplantation, 23:47990
- **NAKANII, T.** Dislocation pinning during recovery after fast-neutron irradiation, 24:14824
  - Recovery in copper after neutron irradiation, 23:34054
- **NAKANISHI, Koichi** Osteonecrosis in lower mandible after postoperative radiotherapy, 25:55344
- **NAKANISHI, Michio** Ultraviolet spectrophotometric determination of Te(IV), 25:15498
- **NAKANISHI, N.** Daughter trajectories and Bethe—Salpeter ghosts, 23:49222
  - Design of a nuclear reaction particle analyzer, 22:6636
  - Elastic scattering of ^{3}He particles on Ca, 24:20373
- **NAKANISHI, Noboru** Axiomatic formulation of the theory of coinciding simple poles and multiple poles, 25:1603
  - Classical motion of particles and physical-region singularity of Feynman integral, 22:32207
  - Coinciding simple poles in the scattering Green's function, 23:39805
  - Complex-ghost relativistic field theory, 25:43686
  - Crossing-symmetric decomposition of n-point Veneziano formula into tree-graph integrals. I, 25:40907
  - Crossing-symmetric decomposition of five-point and six-point Veneziano formulas into tree-graph integrals, 25:40906
  - Crossing-symmetric decomposition of n-point Veneziano formula into tree-graph integrals. II, 25:41114
  - Daughter trajectories, the Freedman—Wang cancellation, 23:39840
  - Dipole-ghost scattering states, 25:25499
  - Feynman integral, 22:50444
  - Four-point and five-point Veneziano-type formulas on the basis of spectral representations, 24:40497
  - General solutions to Bethe—Salpeter equation of unequal-mass Wick—Cutkosky model, 21:46585
  - General theory of multiple poles and coinciding simple poles, 23:39842
  - Hankel-transformed position-space Feynman Integral, 24:8725
  - Lorentz noninvariance of the complex-ghost relativistic field theory, 25:20074
  - Multiple poles in scattering Green's function and lightlike limit of Bethe—Salpeter amplitude, 22:46537
  - Multiple poles in scattering Green's function and lightlike limit of Bethe—Salpeter amplitude, 23:8855
  - Proof of factorizability theorem conjectured by Sciarrino and Toller, 23:10835
  - Propagator and vertex function of bound state in Green's function formalism, 21:7548
  - Quantum electrodynamics in the general covariant gauge, 22:9671
  - Reality of the eigenvalues of the Bethe—Salpeter equation, 24:1651
  - Theory of Bethe—Salpeter equation, 24:1642
  - Unequal-mass conspiracy for arbitrary spins, 24:43065
  - Validity of Regge formula in unequal-mass case, 21:27455
  - Vector—scalar sector solutions to the spinor—spinor Bethe—Salpeter equation, 25:53329
- **NAKANISHI, Nobuko** Studies on sulfur-containing chelating agents. XX, 23:9340
- **NAKANISHI, Noriyoshi** Circular trimming coils mounted on magnet pole faces, 23:52081
  - Cross sections of the reaction $^{12}C(^3He,p)^{14}N$, 23:8941
  - Reaction ^{91}Zr(p,p') at 14.52 MeV, 24:8916
- **NAKANISHI, Shigemasa** Scintiscanner, 24:19222
- **NAKANISHI, Sumio** Epidemiological studies of leukemia in nine towns, 23:43844
  - Survival and repopulation of hemopoietic tissues of irradiated mice transplanted with bone marrow cells from cyclophosphamide treated donors, 25:19112
  - Survival and repopulation of hemopoietic tissues of irradiated mice transplanted with bone marrow cells from cyclophosphamide treated donors, 25:24367
- **NAKANISHI, T.** Measurement of 14 MeV neutron flux density, 24:14259
  - Measurements of reactor neutron flux by fission track method, 24:31692
  - One-valley EPR spectrum in electron-irradiated Sb-doped Ge, 25:56298
  - Spin correlation parameters A/sub xx/ and A/sub yy/ for proton—proton scattering at 47.5 MeV, 24:15788
  - Studies on the distribution of chemical elements in geochemical samples by an activation autoradiographic method, 25:26194
  - Vertical type cryostat for a polarized proton target, 23:44764
- **NAKANISHI, Takashi** Daughter nuclides of ^{231}Pa, 24:5732
  - External irradiation for gynecologic tumors, 24:21257
  - Ion-exchange separation of daughter of ^{231}Pa, 23:38036
  - Measurement of neutron flux in nuclear reactor, 23:40398
  - Solid state track detector and its application, 24:31723
- **NAKANISHI, Takeo** Changes of concentration of ^{90}Sr and ^{137}Cs in raw milk in Japan, 22:6825
  - Changes of concentration of ^{90}Sr and ^{137}Cs in raw milk collected at dairy factories in Tohoku district, 22:23540
- **NAKANISHI, Tetsuichiro** Device for adjusting automatically the pressure of a heat-insulating gas in a pressure-tube type reactor, 21:2887
  - Indirect-cycle integral steam cooled nuclear reactor, 23:23906
  - Steam-cooling type reactor, 22:44847
- **NAKANISHI, Tsuneo** Welding performed for the D_2O Critical Assembly. I, 24:42088
  - Welding performed for the D_2O Critical Assembly. II, 24:42087
- **NAKANISHI, Tsutomu** Differentiation of halide by dry method, 25:44322
- **NAKANISHI, Yoshichiro** Profile of shock wave plasma measured by laser light scattering, 22:7263
- **NAKANO, G. H.** Performance of large germanium detectors at elevated temperatures for satellite applications, 25:57791
  - Redistribution of trapped protons by Starfish, 24:10428
- **NAKANO, George H.** Evidence for solar-cycle changes in the inner-belt protons, 22:22069
  - Long-term behavior of energetic inner-belt protons, 24:17749 (UCRL-19309)
  - Low-altitude trapped protons during solar minimum period, 1962—1966, 23:39377
  - Prog. rpt. on effects of STARFISH on geomagnetically trapped protons, final, 6/1/67—2/28/68, 23:44240 (AD-683341)
- **NAKANO, H.** Improvement of energy resolution in Hughes—McMillen 127° electrostatic energy selector, 23:22045
- **NAKANO, H. H.** Total electron scattering cross sections in O_2 and Ne, 24:37260
- **NAKANO, Hideo** Design of experimental D_2O critical facility, 23:9202

Preliminary design on the prototype fast reactor, 25:3855
NAKANO, Hiromasa Potentiometric determination of plutonium in the presence of uranium, 25:26
NAKANO, Kikuo Growth of IVa-diboride single crystals in molten Fe, 25:32789
NAKANO, Makoto Reactor safety studies based on AGR models, 23:15660
NAKANO, Masafumi Criticality of 20 percent enriched uranium fast critical assemblies, 23:13549
Doppler coefficient measurements in FCA, 24:33411
Measurements of k-infinity on zero-leakage zoned system (FCA IV), 25:48350 (JAERI-Memo-4339)
Prompt neutron life time of FCA fast assemblies, 23:31206
Pulsed neutron experiment on FCA I-5, 25:28759 (JAERI-Memo-4272)
Reactivity measurements on fast systems with natural uranium metal blanket by pulsed neutron method, 24:50192
NAKANO, Minoru Electron density in magnetosphere, 23:12668
NAKANO, Mitsuto Studies on the bone impairment by the deep radiotherapy for cancer of the uterus, especially on the neck of femur, 21:11066
NAKANO, T. New approach to the theory of a turbulent plasma, 21:37507
NAKANO, Tadao Extended translation invariance and associated gauge fields, 22:1482
Method for solving the Nambu—Salpeter—Bethe equation, 21:27384
Possible observation of the skew-symmetric tensor gauge field, 25:36571
NAKANO, Takenori Collapse and flare-up of protostars, 23:39108
Condensation of solid hydrogen in contracting interstellar clouds, 25:55785
Fragmentation of a cloud and the mass function of stars in galactic clusters, 21:5033
Growth of solid particles in the primordial solar nebula, 25:24790
Origin of the solar system, 24:51348
Rapid contraction of protostar to stage of quasi-hydrostatic equilibrium. I, 22:45842
Rapid contraction of protostars to stage of quasi-hydrostatic equilibrium. II, 24:42333
Rapid contraction of protostars to the stage of quasi-hydrostatic equilibrium. III, 24:46902
NAKANO, Tohru Theory of a turbulent stationary state of a plasma, 22:9356
NAKANO, Y. Effect of helical instability on the radial density and potential distribution, 25:27738
Mockup experiments for irregular shield of the first nuclear ship of Japan, 22:30279
Production of a single pulsed plasma, 21:44114
NAKANO, Yoshiei Cusp injection experiment, 22:17615
Effect of conducting wall on a strong magnetized positive column, 22:52818
High-β reflected wave in a cusped magnetic field, 22:48123
Impulsive plasma produced by a coaxial plasma gun, 23:7023
NAKANURA, Hiroki Collisional excitation transfer between H atoms. II, 21:16809
NAKAO, K. Clinical aspects of chronic radiation injury, 25:44951
Late effects on haemopoiesis and life-shortening, 25:44952
NAKAO, Kazuso Chemical studies of minerals containing rarer elements from far east district. LXIV, 25:31815
NAKAO, Kiku Distribution of mercury in the brain and its subcellular units in experimental organic mercury poisonings, 21:14568
Mechanism of hematopoietic recovery in the x-irradiated mouse with spleen or one leg shielded, 22:578
Radiation induced chromosome aberrations in the generation cycle of the bone marrow cells of the rat, 21:14622
Studies on the hematopoietic stem cell. I, 21:36695
Treatment of hyperthyroidism with ^{131}I, 22:31196
NAKAO, Makoto Effect of ionizing radiation on passive transport of Na ion, 23:35639
NAKAO, Ren Gamma-induced addition of trichlorosilane to vinyl acetate, 24:19009
γ-induced addition of trialkyltin hydrides to unsaturated esters, 25:31960
NAKAO, Toshiko Molecular weight of Na, K-ATPase approximated by radiation inactivation method, 22:33767
NAKAO, Yoshiaki Effects of earthquakes on nuclear container vessels, 25:54305
NAKAO, Yoshinobu Effects of TiC, TaC, WC, TaC—WC, NbC, and VC on grain refining of pure Al and its alloys, 24:34914
NAKAO, Yoshio X-ray mutagenesis in silkworm, 24:31941
NAKAO, Yukinori Cesium-137 levels in placentae, 22:45454
Fetal hazards due to x-ray diagnosis during pregnancy, 22:40903
NAKAOKE, Norimitsu Plasma production by tip explosion of wire electrode and spectral image, 23:25366
NAKAS, M. Effects on peripheral nerves following whole-body irradiation, 25:21867
Influence of gamma irradiation on frog sciatic nerve, 23:33883
NAKASA, H. Application of neutron activation analysis to stack-gas tracing, 22:14697
NAKASE, Yoshiaki Radiation-induced polymerization of tetraoxane in the solid state, 25:23601
NAKASHIMA, K. Effect of impurities on radiation defects of p-type silicon, 22:36993
NAKASHIMA, Kenshiro Effects of neutron irradiation in p-type silicon, 23:42461
Interaction between radiation defects and impurities in p-type Si, 23:23257
Studies of recombination centers in gamma-irradiated p-type silicon, 25:9567
NAKASHIMA, Masahiko Activation analysis of Cl, Br, and I in biological materials, 24:27015
NAKASHIMA, Masato Mechanisms of the thermal isotopic exchange reactions, 22:25369
NAKASHIMA, Noritsugu Pharmacological effects against radiation damages. IV, 24:12105
NAKASHIMA, Ryozo Determination of cerium in yttrium oxide, 22:50929
Polarization titration with two polarizable electrodes. II, 23:24072
Spectrophotometric determination of Fe in high-purity Y_2O_3, 23:31290
NAKASHIMA, Susumu Spectrophotometric study on the thorium complex of o-hydroxyphenyl-azo-chromotropic acid, 21:27903
NAKASHIMA, T. Chain and inductive charging system of electrostatic generator, 25:7787
NAKASHIMA, Y. Effects of α-particle irradiation on reactivity of Ni for adsorption of H, 25:47149
NAKASHIMA, Yoshiyuki Ionization of air due to beta- and gamma-radiations near ground. II, 24:27242
Ionization of air due to beta- and gamma-radiations. I, 24:27241
Leakage gamma-ray spectra around KUR, 25:8124
Some properties of ionizing radiations and radioactive ions in the natural environment, 24:36416
NAKASHIMA-TANAKA, E. Genetic control of radiosensitivity in Drosophila melanogaster, 25:52026
NAKASHIMA-TANAKA, Eiji Inheritance of radioresistance in Drosophila. I, 21:4787
NAKASHIO, Fumiyuki Extraction rate of uranyl nitrate into TCP, 24:11689
Temperature distribution in an argon plasma jet, 22:17635
NAKASHIO, Seizo Radiochemical polymerization and copolymerization of methyl methacrylate in vitreous state, 21:4548
NAKASIMA, R. Fast neutron cross-section data, 23:5859
NAKASKIMA, Kenshiro Recombination centers in γ-ray irradiated boron doped P-type Si, 22:41672
NAKATA, Akira Nuclear reactions with electron beams by stacked foil method, 24:20325
Study of level structure of ^{48}Ti by the decay of ^{48}Sc and ^{48}V, 24:20367
NAKATA, H. Ranges of nitrogen ions in Al, Ni, Ag, and Au, 23:14601
NAKATA, Hajime Lung scintiscanning with ^{131}I-macroaggregated albumin, 21:36653
Roentgenologic observations of lung carcinoma in the ABCC—JNIH adult health study, 1950 to 1968, Hiroshima—Nagasaki, 24:32110
NAKATA, Hirokatsu Absolute power measurement by reactor noise analysis, 25:37114 (JAERI-Memo-4276)
NAKATA, Hiroshi Analysis of energy-loss data for 0.2 to 0.5-MeV/amu p, α, and N in Se, 25:27833
Ranges of nitrogen ions in Se and energy losses of alpha particles in Al, Ni, Se, Ag, and Au, 24:3143
NAKATA, Isamu Hydromagnetic stability of free flows at large Reynolds numbers. II, 23:44225
Hydromagnetic stability of free flows at large Reynolds numbers. IV, 25:7219
NAKATA, Koichi Comparison of the radiation-induced reaction with photochemical and thermal reactions. I, 21:5928
NAKATA, Koreaki Anodic oxidation of Ti—Zr alloys, 23:32018
Anodic oxidation of Ti—Zr alloys in region below oxygen evolution potential, 25:6829 (AEC-tr-7201)
NAKATA, M. M. Phase relationships in the (α + delta) region of Zr—H system, 22:52284 (AI-AEC-12703)
Thermal properties of SNAP fuels, 23:6741
Thermophysical properties of SNAP fuel materials, 22:656 (NAA-SR-11959)
NAKATA, Masaya Comparison of calculated values with actual gamma doses penetrating through ship structures, 23:13565 (AERE-R-5773(Vol.4), pp 989-98)
Method to determine the Compton scattering angle from its cumulative probability in Monte Carlo calculation, 22:13529 (ORNL-tr-1857)
One way to decide the Compton scattering angle from its cumulative probability in the Monte Carlo calculation, 21:41762
NAKATA, S. Drop tests of shipping containers for PWR type new fuels, 25:48862 (CONF-710801-(Vol.2), pp 861-72)
Experimental study on the drop impact of spent fuel shipping cask, 25:48852 (CONF-710801-(Vol.2), pp 727-39)
Heat removal test on a spent-fuel shipping cask, 25:51828
NAKATA, Seibe Activities in O-arai engineering center of the power reactor and nuclear fuel development corporation, 24:50193
NAKATA, Seibei Advanced thermal reactor development meeting a new aspect, 24:31040
Development of prototype heavy water reactor (FUGEN) in Japan, 25:54021 (A/CONF.49/P-232)
Loss of coolant accident in water cooled nuclear power reactors. II, 23:33060 (AEC-tr-7047)
Loss-of-coolant accident. II, 23:15665
Studies on the loss-of-coolant accident in water-cooled nuclear power reactors, 22:42267
NAKATA, Toshitake Electron beam exposure of silicones, 23:15897
NAKATA, Yoshiaki Ionospheric electron content measured from Syncom 3, 21:2099
Midlatitude aurora, 24:17751
NAKATANI, Hideo Digital recording marine barometer, 21:32533
NAKATANI, Hiroshi Hot-pressing of zirconium nitride in vacuum, 25:32787
Short-range interaction between pion and nucleon, 24:47455
NAKATANI, R. E. Biological effects of Hanford heat on Columbia River fishes, 22:17000 (BNWL-SA-1682)
Biological response of rainbow trout Salmo gairdneri ingesting ^{65}Zn, 21:16310
Effects of heated discharges on anadromous fishes, 23:12039 (BNWL-SA-1868)
Effects of thermal increments on eggs and young of Columbia River fall chinook, 25:18264 (BNWL-1538)
Hanford temperature effects on Columbia River fishes, 21:44969 (BNWL-CC-591)
Influence of temperature and x-irradiation on the cellular dynamics of the intestinal epithelium in Coho salmon, 24:25570
Metabolism of zinc in a marine benthic amphipod, 21:14553 (BNWL-280, pp 118-20)
Modeling the behavior of radionuclides in some natural systems, 21:28342 (BNWL-SA-1258)
Nuclear power plants and water quality criteria, 25:7978 (BNWL-SA-3282)
Status of salmon spawning in Hanford reach of Columbia River, 22:50883 (BNWL-SA-1724)
Temperature effects on cesium metabolism in trout, 21:14554 (BNWL-280, pp 112-13)
Thermal effects and nuclear power stations in the U.S.A, 24:45915 (CONF-700810-30)
NAKATANI, Roy E. Long Shot bioenvironmental safety program, 22:23482 (TID-24291)
Metabolism of ^{65}Zn in Anodonta californiensis, 23:31627
NAKATANI, S. Natural radioactivity in the atmosphere, 22:2233
NAKATANI, Tadashi Effect of contact potential difference in ionization chambers, 24:27381
NAKATANI, Tokuzo Effects of ionizing radiation upon the germination and growth of Timothy grass. II, 23:2984
NAKATANI, Yasutaka Radiation effects to nervous tissue, 24:2769
NAKATOMI, S. Textiles treated against contamination from radioactive materials, 25:52098
NAKATSUI, T. Chromosome aberrations and neutrophil alkaline phosphatase in atomic bomb survivors, 23:10006
NAKATSUJI, Hiroshi Unrestircted Hartree—Fock wave function, 24:1300
NAKATSUKA, Haruo Comparative studies on the protective action of the S,2-aminoethyl-isothiuronium Br. HBr (AET) and phenylephrine on the acute intestinal death of mice, 21:22622
Experimental studies on the correlationship between tumor bed and radiation therapy, 21:30846
Modification of the acute lethality in mice following whole body x-irradiation by several vasoconstricting agents, 21:20274
Modified method of ferrous sulfate dosimetry. I, 23:20014
Protective effect of histamine against lethality of mice following whole body irradiation, 22:40740
Protective effect of MEG, AET, serotonin, and phenylephrine following whole-body irradiation, 22:33841
Radioactive phosphorus in the differential diagnosis of the malignant lymphoma and tuberculous lymphadenitis, 21:36666
Relative biological effectiveness of electron beams and x rays on lethality and bone marrow damage of mice, 21:34788
Relative biological effectiveness of 15-MeV x-rays and electrons on Ehrlich ascites tumor of mice, 21:34787
Relative biological effectiveness of 15 MeV betatron x-rays and 200 kV x-rays on bone marrow of mice, 22:40925
NAKATSUKA, Jiro Sieve irradiation, 21:36635
NAKATSUKA, M. Scattering diagnostics of plasma by CO_2 laser, 25:52792
NAKATSUKA, Masahiro Diagnostics of plasma by CO_2 laser, 25:40606
Diagnostics of TP—D plasma by CO_2 laser. III, 25:33243
Diagnostics of TP-D plasma by CO_2 laser. II, 25:1177
NAKAWAKI, Yuji Extended formulation of quantum electrodynamics, 23:39801
Lepton—baryon resonances and duality in weak processes, 25:59395
Lepton-baryon resonances and duality in weak processes, 25:45707 (OU-LNS-71-3)
μ^-p resonance and duality in weak processes, 25:40942
NAKAYA, Katsuji Negative absorption near the electron cyclotron harmonics in weakly ionized gases, 24:17984
NAKAYA, S. Deposition of atoms sputtered in an abnormal glow discharge, 21:33185
NAKAYA, Shigehisa Dependence of energy gap in tin films on magnetic field and film thickness, 22:15499
Influence of the current on electron tunneling into a thin superconducting film, 22:15486
NAKAYAMA, H. Effects of crystal surface and imperfections on channeling phenomena of protons, 25:43461
Evidence of transformation in Micrococcus lysodeikticus, 22:51509
Level structure of even—even N = 80 nuclei, 22:27175
Mechanism of repair of DNA in bacteriophage. I, 24:14429
Temperature and energy dependences of axial channeling of protons in silicon crystals, 25:52909
Temperature dependence of dechanneling coefficient in protons in silicon crystals, 25:11969
Uv-irradiated DNA, 23:48284
NAKAYAMA, Hiroaki Deoxyribonuclease activity specific for uv-irradiated DNA: chromatographic analysis, 21:28374
DNA synthesis in uv-sensitive mutants of Bacillus subtilis, 22:14943
Endonucleolytic activity specific for ultraviolet-irradiated DNA, 21:41339

Mutant of M. lysodeikticus defective in deoxyribonuclease activity specific for uv-irradiated DNA, 21:28375
NAKAYAMA, Hisayoshi Decay of 2.2-hr ^{138}Pr, 22:18273
NAKAYAMA, Norihiko Device for detecting the position of a charged-particle beam, 22:11851
NAKAYAMA, Paul I. Transport of turbulence energy decay rate, 22:16754 (LA-3854)
NAKAYAMA, Ryoji Activation analysis of high-purity silicon for semiconductor use, 23:11455
NAKAYAMA, Ryuzo Excitation temperature measurements of induction-coupled argon plasmas, 23:25305
Preliminary experiment of the induction-coupled argon plasma at atmospheric pressure, 21:35191
NAKAYAMA, Shuichi Safety aspects of piping design for atomic power stations, 24:1988
NAKAYAMA, T. Convergence point for gamma-ray in a dielectric liquid ionization chamber, 24:44287
Development of flat response counters by adjoint transport calculations, 21:3258
New hexagonal-type oxide of niobium, 23:48566
Tapiolite film formed on tantalum in high-temperature water, 21:41616
NAKAYAMA, Tadayuki High-temperature oxidation of Zr and some Zr alloys, 22:7068
Polymorphic transformation of zirconium dioxide associated with breakaway during oxidation of Zr and some Zr alloys, 23:6640 (NSJ-tr-138)
Structure of corrosion-resisting films formed on tantalum and niobium in high-temperature dilute acid aqueous solutions, 25:29991
Structure of oxide films formed on niobium in high-temperature water and water vapor, 25:13771
Structure of oxide films formed on Ta, 24:23528
Structure of oxide films found on tantalum surface by wet oxidation, 23:43946
NAKAYAMA, Takashi Analysis of the disadvantage factor of U—water lattice by GRAFA code, 21:38706
Error evaluation on multi-detector methods in neutron measurements, 24:500
First flight collision probability in the square and hexagonal lattice systems, 21:14077 (JAERI-1072)
Invariant imbedding and absorption probability in slabs, 22:52842
NAKAYAMA, Takeo Isomerization polymerization of 2-vinyl-1,3-dioxolane by α,α'-azobisisobutyronitrile or by γ irradiation, 22:112
NAKAYAMA, Takeyoshi Interaction between radioactive ions and condensation nuclei, 24:48184
Ionization of air due to beta- and gamma-radiations. I, 24:27241
Ionization of dielectric liquids by gamma-ray, 25:48520
Some properties of ionizing radiations and radioactive ions in the natural environment, 24:36416
NAKAYAMA, Toshio Derivations of hierarchies for N-particle systems and Vlasov systems by means of functional calculus, 21:27156
Interactions of waves and particles in an inhomogeneous one-dimensional plasma, 24:21834
Note on plasma turbulence, 21:13571
Possible definition of entropy for weak turbulence in plasmas, 21:42062
Some constants of the motion for perturbation of large-amplitude electrostatic waves, 23:18698
NAKAYAMA, Y. ac losses of Nb-Ti wires as function of wire diameter, 25:45413
Observation of nuclear Raman scattering by ^{181}Ta, 21:38350
NAKAYAMA, Yasuji Status of fast breeder reactor fuel development, 23:11244
NAKAYAMA, Yasuyuki Radiationless annihilation of positrons in lead, 22:43921
NAKAYAMA, Yosiyuki Diagnosis of malignant tumor with ^{67}Ga-citrate. I, 24:34458
NAKAYASU, Akio Study on the permeability of tooth to radioisotopes, 23:41212
NAKAZAKI, Chozaburo Neutron irradiation test on reactor pressure vessel steel, 23:41689
NAKAZATO, S. Steel (9Cr—1Mo) as a mercury containment material for SNAP-8 boiler, 23:29965 (N-69-20195)
NAKAZAWA, H. Experimental study on the drop impact of spent fuel shipping cask, 25:48852 (CONF-710801-(Vol.2), pp 727-39)
NAKAZAWA, K. Consistency conditions for crossing-symmetric amplitude with duality, 24:42955
CP noninvariance and abnormal bosons, 23:36973
Duality and crossing symmetry of the narrow resonance model, 24:45522
G-parity doublet bosons and mass degeneracy, 24:24354
Off-mass-shell form factors of the nucleon, 24:15513
Positivity conditions for Veneziano amplitude, 23:39703
πK scattering length and background term in Veneziano model, 23:36911
Velocity-dependent potentials in the Heisenberg picture, 23:42991
NAKAZAWA, Kazo On G-parity doublet bosons, 21:17060
NAKAZAWA, Kiyoshi Effect of electron capture on the temperature in dense stars, 25:8973
Equation of state of neutron star matter and neutron star models, 25:55715
Evolution of iron stars, 24:42372
NAKAZAWA, Masaharu Some new applications of neutron slowing down time spectrometry, 25:15921
NAKAZAWA, Nobuya Magnetic moments of leptons and the leptonic boson, 23:25585
NAKAZAWA, Tokuro Superconductive transition temperatures of reactively sputtered niobium films, 22:48057
NAKAZIMA, T. Preparation of Zircaloy standards sample, 24:970
NAKEFF, Alexander Megakaryocytopoietic response to platelet depletion, 24:43930 (UR-49-1332)
NAKEL, W. Cross section measurement of bremsstrahlung production, 24:28760
Elementary process in bremsstrahlung production, 22:971
Elementary process of bremsstrahlung production, 22:45923 (NP-tr-1688)
Elementary process of bremsstrahlung production for Au at 300 keV, 25:33398
Measurement of the angular distribution of electrons by the elementary processes of bremsstrahlung production, 21:27002
NAKEL, Werner Investigation of the elementary process of bremsstrahlung production by coincidence experiments, 22:41352
NAKHABTSEV, V. S. Elemental composition study in x-ray radiometric logging, 22:14587
Multidispersion in x-ray radiometric logging, 22:14586
NAKHILNITSKAYA, Z. N. Analysis of the early disturbance of ion transport in irradiated erythrocytes, 23:35641
NAKHILYNITSKAYA, Z. N. Loss of K ions by irradiated cells, 21:36520
NAKHLA, S. M. Use of ^{14}C thermonuclear origin to study dynamics of C in soil, 22:6457
NAKHLEH, Jamil Direct determination of pure-state density matrices. I, 23:18395
NAKHMANSON, M. S. X-ray emission and absorption spectra of boron in H_3BO_3, B_2O_3, and BN, 25:24652
NAKHMEDOV, F. G. Effects of ionizing radiation on the increase of grape juice, 25:21988
NAKHODKIN, N. G. Differential elastic scattering cross section of 4- to 8-keV electrons at large angles as a function of atomic number of scattering material, 21:34008
Differential thickness curves of electron backscattering from the two-layered target Be—Au, 21:43834
Energy distribution of secondary electrons and photoelectrons excited by soft x rays, 23:5207
Energy losses of 6 keV electrons in a two-layered Be—Au target, 21:33196
Inelastic scattering of electrons having specific energies in thin films of gold, 21:37108
NAKHUTIN, I. E. Adsorption of radioactive iodine vapors from air, 23:38121
Removal of radioiodine from gases, 25:51569 (A/CONF.49/P-703)
NAKICENOVIC, Slobodan Impact of the NPT safeguards agreement on the safeguards operations of the IAEA, 25:48791 (CONF-710617-21)
NAKKASYAN, A. Slow and fast beam ejection from a short straight section of the CERN proton synchrotron, 21:29770
NAKKEN, K. F. Binding of an organic nitroxide free radical to radiation-induced desoxyribonucleic acid (DNA) radicals under anoxic conditions, 25:51994
Effect of N_2O on x-ray induced degradation of benzoic acid, 23:47514
Mechanisms of radiosensitization in chemical and biological systems, 23:35190
Spin-quenching by O of a radiosensitizing nitroxide free radical in aqueous solution, 24:50426
Studies on radiation-induced efflux of potassium from erythrocytes, 21:28386
Uptake of ^{3}H-labelled toluidine blue and neutral red in parathyroids of the dog, 25:16017
NAKKEN, Karl F. X-ray induced degradation of vitamin B_6 derivatives in solution, 21:10773
NAKMURA, Yoji Magnetic properties of Nd compounds with Va elements, 23:21002
NAKONECHNIKOV, A. I. Absorption method for determining diffusion coefficients of α-radioactive elements, 21:42955
Carbon diffusion into refractory metals with a bcc lattice, 21:20504
Diffusion of U in Mo, Nb, Zr, and Ti, 21:9163
NAKONECHNYI, V. M. Double iron-free coincidence orange spectrometer, 24:14289 (KHFTI-69-5)
NAKONECZNA, I. Irradiated canine kidney, 22:40845
NAKOV, E. Characteristics of callus formation in fresh crushed fractures with a defect accompanied by radiation sickness, 23:26828
NAKRA, A. N. Resonance escape probability for heavy water moderated lattices, 24:16166
NAKSHBANDI, M. M. Energy dependence of reactions of O^+ with N_2 and O_2. II, 22:9023
NALBANDOV, A. V. Endocrine function of the ovarian interstitial gland of rabbits, 23:793
Maintenance and function of corpora lutea in rabbits depend on estrogen, 21:26608
Maintenance of ovine corpora lutea in the absence of ovarian follicles, 25:16324
Radioimmunoassay for bovine and ovine luteinizing hormone, 23:31680
NALBANDYAN, A. B. Rate constant for reaction of atomic deuterium with terminal alcohols, 23:24167
NALBANTOGLU, M. Determination of traces in minerals by spark source mass spectrography, 25:10456
NALBORCZYK, E. Effect of γ-irradiation on stomata formation in Lupinus albus, 22:23680
NALCIOGLU, O. Bootstrap EQPC, RPA, and the odd—even mass difference, 24:43510
Quadrupole moment of 2^+ phonon and structure of odd mass spherical nuclei, 22:18240
NALCIOGLU, Orhan Bootstrap theory of vibrations in nuclei, 25:10063 (RLO-1925-46)
Bootstrap theory of vibrations in nuclei, 25:39078
Bootstrap theory of vibrations. I, 25:15174
Bootstrap theory of vibrations. II, 25:15176
Theory of pairing vibrations, 24:52727
NALDA, J. Interpretation of d + ^{10}B reaction at 270 keV through Feynman diagrams and dispersion theory, 23:3952
Reaction mechanism and direct interaction Feynman diagrams, 25:18028
Study of reaction ^{10}B(d,3α) at 270 keV, 22:7657
Theory of α_0 angular distributions from the reaction ^{10}B(d,α), 25:17720
NALDI, Enrico Application of radioisotopes in polarography. V, 21:4526
NALDRETT, S. N. Absorption of β particles from tritium and ^{187}Re in He and Al, 23:51366
NALESKINA, L. A. Measurement of cells and nuclei of human pigmented skin tumours after irradiation, 21:4864
NALESSO, G. F. Measurement of ionization growth rates in H_2 at high E/p, 25:16787
NALETOV, A. M. Origin of carbide inclusions in molybdenum and its carbon alloys, 24:42260
NALIBOFF, Y. D. Analysis of fast-neutron spectrum measurements in paraffin, 21:38200
Application of photoinduced reactions to nuclear materials safeguards problems. Quarterly progress report, January 1, 1971—March 31, 1971, 25:48879 (GULF-RT-10697)
Application of photoinduced reactions to nuclear materials safeguards problems. Project summary report, July 1, 1970—June 30, 1971, 25:57704 (GULF-RT-A-10826)
Comparison of monte carlo and discrete-ordinate calculations with neutron spectrum measurements in bulk shields, 23:12942 (AERE-R-5773(Vol.1), pp 241-60)
GASKET unified code for thermal neutron scattering, 21:11924 (GA-7417)
GASKET: a unified code for thermal neutron scattering, 21:31830 (GA-7417(Rev.))
Prog. rpt. on application of photoinduced reactions to nuclear materials safeguards problems, 10/70—12/70, 25:23753 (GULF-RT-10511)
Prog. rpt. on integral neutron thermalization, annual, 10/67—9/68, 23:28211 (GA-9036)
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete. I, 25:17253 (AD-711839)
Time-dependent fast-neutron and secondary gamma-ray spectrum measurements in concrete. II, 25:17254 (AD-711840)
NALIMOV, V. N. Structure of Hyades, 22:45883
NALIMOV, Yu. P. Contamination of Na heat carrier, 23:50985 (JPRS-48330, pp 486-517)
NALIVAEV, V. I. Angular distribution of monoenergetic electrons and beta particles scattered in a shield, 25:7436
Energy distribution of electrons incident on and transmitted through a shield, 25:7433
NALIVAIKO, G. A. Ion-beam apparatus, 25:43747
Linear induction accelerator, 21:9885
NALIVAIKO, V. I. Magnetic chart of Brazilian anomaly, 22:15471
NALIVAYKO, E. I. Increase in the resistance to cracking of a high density polyethylene caused by a treatment with ionizing radiation, 22:42733
NALIVAYKO, V. I. Effects of external sources of magnetic field at F2-layer heights. I, 21:39906
NALLEY, S. J. Collisional ionization between cesium and selected molecules, 25:30276 (ORNL-TM-2620)
Collisional ionization of Cs by O, 25:49746
Low energy electron studies in aluminum, 22:11197 (ORNL-TM-2030)
NALLY, J. N. Uranium content of some dental porcelains and beta-activity, 24:36150
NALYAN, E. A. Charged particle traversing a layered medium, 24:40212
NAM, R. A. Dependence of energy of an electron—photon cascade on energy of interacting particle, 23:36832
NAM, S. B. Fluctuation of order parameter in a superconductor, 24:21743
Ground-state energy shift in superconductors due to the s-d interaction, 21:41988
NAM, Sang Boo Fluctuation-induced diamagnetism and statistics of the fluctuation modes in a superconductor, 25:40525
General derivation for spin paramagnetic susceptibility of electrons in a superconductor, 25:25047
Susceptibility of electrons in a superconductor, 25:52740
Theory of electromagnetic properties of strong coupling and impure superconductors, 21:7165
Ultrasonic attenuation in strong coupling and impure superconductors, 23:16758
NAM, Sang Yul Effect of panax ginseng against total body x-ray irradiation on the blood protein, 22:36330
LDH of rats exposed to gamma-irradiation, 25:4605
Radioprotective effect of methylene blue. I, 25:42284
Radioprotective effect of methylene blue in mice and rats, 25:42515
Serum of rats exposed to x rays, 25:42283
NAM, Tchi Chou Effects of thyroid treatment by ^{131}I on fattening of female rabbits, 24:14588
NAMAIZAWA, Hiroshi Form factors of radiative decays of charged kaons, 22:32109
Theory of solid helium, 21:13495
Theory of the Kapitza—Dirac effect, 23:18439
Unified description of low-energy meson phenomena, 24:33001
NAMATAME, H. Creep and creep-rupture tests of stainless steel as structural material of fast breeding reactor, 25:2660 (JAERI-Memo-4097)
Embrittlement of pressure vessel steels irradiated in JPDR, 25:42906
NAMATAME, Hiroshi Evaluation of integrity for fast neutron irradiation embrittlement of JPDR pressure vessel, 25:28682 (JAERI-1202)
NAMATAME, K. Theoretical analysis of fuel rod vibration induced by parallel coolant flow, 24:26837 (LIB/Trans-246)
NAMATAME, Ken Fuel rod vibration induced by parallel coolant flow, 23:40499
Transient temperature response of an annular flow, 24:4169
NAMAZOV, S. A. Reflection of pulse signals from an inhomogeneous ionosphere in topside soundings, 21:39910
NAMBA, C. Stochastic heating of an electron plasma in a magnetic mirror field, 24:30309
Stochastic model of electron-cyclotron heating in a magnetic mirror, 25:58968

- NAMBA, Chusei Stochastic model of electron cyclotron heating in a magnetic mirror, 25:3055 (IPPJ-100)
- NAMBA, D. Variations in line profiles from photosphere to chromosphere, 24:37130
- NAMBA, O. Quantitative analysis of spectrum of F8V-star beta Virginis, 21:20645
  - Solar granulation, 23:34212
- NAMBA, Shingo Study of UC/sub 1-x/O/sub x/. III, 21:26903
  - Thermochemical study of uranium oxycarbide, 22:42657
- NAMBA, Susumu Diffusion of defects in low temperature ion implanted GaAs, 25:45576
  - Enhanced diffusion in ion-implanted silicon, 25:19823
  - Enhanced diffusion of high-temperature ion-implanted antimony into silicon, 25:9569
  - Optical absorption bands of the radical in irradiated anthracene single crystals, 25:48522
  - Paramagnetic defects iduced in naphthalene and anthracene single crystals by neutron irradiation at low temperature, 25:36277
  - Penetration of electrons into anthracene crystals, 25:11673
  - Thermal conductivity of ThO_2—UO_2 system, 23:22661
  - Thermal diffusivity of sintered ceramics, 23:46124
- NAMBI, K. S. V. Development of thermoluminescent dosimeters at Trombay, 22:6654
  - New absorption bands in fluorites by heavy gamma irradiation, 25:45548
  - Radiation monitoring with a natural calcium fluoride thermoluminescent detector, 23:47861
  - Safe limits of urinary excretion of some radionuclides, 22:6811
  - Thermoluminescence dosimetry with natural calcium fluoride powder, 22:43128
  - Thermoluminescence dosimetry with natural calcium fluoride powder, 25:440
  - Thermoluminescence properties of dysprosium- and thulium-activated calcium sulfate phosphors at high gamma doses, 25:15956
- NAMBIAR, K. B. Efficiency of a getter-ion pump, 21:14416 (CONF-660221-, pp 330-3)
  - Efficiency of getter—ion pump, 21:3236 (AEET-249)
  - Elastic scattering of alpha particles from ^6Li, 21:15475 (CONF-660221-, pp 123-6)
  - Levels in ^{28}Si, 22:32559
  - Reaction $^{13}C(\alpha,n)^{16}O$ cross section between 1.95 and 5.57 MeV, 21:29904
  - Shape analysis for 3.5-MeV resonance in alpha scattering by ^6Li, 23:19173
  - Thin carbon films for target backings, 21:37978
- NAMBIAR, K. Govindan Genetic incorporation of DNA by irradiated host cells, 23:43805
- NAMBIAR, P. P. V. J. Effect of absorbers on alpha spectral measurements, 22:6620
  - Effect of absorbers on alpha spectral measurements, 24:33929
- NAMBOODIRI, M. N. Limiting cross sections for fission isomers with nanosecond lifetimes produced in heavy-ion reactions, 25:28399
  - Mass distribution in the reactor neutron fission of ^{231}Pa and ^{237}Np, 23:1886
  - Yields of rare earth nuclides in neutron fission of ^{231}Pa and ^{237}Np, 23:1893
- NAMBU, Y. Magnetic moments and charge radii for states described by infinite component wave equation, 23:10786
  - Prog. rpt. on theoretical research in elementary particle physics, annual, 4—12/68, 23:13045 (COO-264-469)
  - Quanta, 24:45583
  - Relativistic groups and infinite-component fields, 23:30778
  - S-matrix in semiclassical approximation, 22:26709
  - Statistical approach to Veneziano model, 24:20135 (COO-264-530)
  - Statistical approach to Veneziano model, 24:20137
- NAMBU, Yoichiro Asymptotic behavior of partial widths in Veneziano model of scattering amplitudes, 24:45515
  - Axial-vector form factor of nucleon, 24:10706
  - Infinite component wave equations, 21:29615
  - Infinite multiplets, 22:7541 (COO-264-403)
  - Infinite-component wave equations with hydrogen like mass spectra, 21:42431
  - Lectures on chiral symmetries and soft pion processes, 21:44412
  - Quantum electrodynamics in nonlinear gauge, 23:25690
  - Quark model and factorization of Veneziano amplitude, 24:52062
  - Relativistic wave equations for particles with internal structure and mass spectrum, 21:13686
  - Scalar fields coupled to the trace of the energy—momentum tensor, 23:3797
  - Soft pion processes, 22:22391 (COO-264-421)
  - Wave equations with infinite components, 21:44411
- NAMENSON, A. I. Data-acquisition system for the NRL electron linac, 25:50572
  - Low-lying excited states of ^{108}Ag and ^{110}Ag populated in thermal-neutron-capture reactions, 21:31817
  - Regularities in gamma spectra from thermal neutron capture by even—even Yb isotopes, 24:43357
  - Resonance neutron capture by ^{170}Yb and ^{171}Yb, 25:56802
  - The 7.7-m bent crystal spectrometer, 21:14421 (ANL-7029, pp 4-8)
  - Thermal-neutron capture γ-ray studies of excited states of odd-A Hf isotopes, 23:34773 (ANL-7282, pp 341-54)
  - Thermal-neutron-capture gamma rays in ^{170}Yb, ^{172}Yb, and ^{174}Yb, 23:52159
  - Thermal-neutron-capture gamma-ray studies of excited states of odd-A Hf isotopes, 21:35485
  - Use of crystal diffraction with Ge diode detector for high resolution gamma-ray spectroscopy, 21:14458
- NAMENWIRTH, Marion Ruth Meyer Inheritance of cell differentiation during limb regeneration in the axolotl, 24:51066
- NAMGALADZE, A. A. Determination of plasma density in the magnetosphere from the periods of geomagnetic pulsations, 25:16913
  - Natural periods of toroidal oscillations of the magnetosphere, 24:21660
  - Relationships between the period of toroidal oscillations and plasma concentration in a nondipole magnetosphere, 24:12741
- NAMGALADZE, A. N. Observations of geomagnetic SPP at Kaliningrad, 25:22432
  - Relationship between Pi2 pulsations and pulsations of auroral luminescence, 22:15470
- NAMIAS, M. Effect of ^{233}U in place of Pu on fast reactor safety, 22:53384
- NAMIKAWA, Tomikazu Magnetic field oscillations near Earth's bow shock front, 23:3380
  - Magnetospheric convections and damped-type geomagnetic pulsations, 24:30228
- NAMIKI, Kazuko Effects of γ-irradiation on the enzyme relating to the development of characteristic odor of onions, 25:26620
- NAMIKI, M. Studies on γ-radiolysis of sulphur-containing amino acids. II, 25:26294
- NAMIKI, Michiko Determination of Mo in Fe and steel by flame photometry, 25:10439
- NAMIKI, Mikio Boson electromagnetic vertex function in Veneziano model, 25:17444
  - Dynamical statistical model of high energy elastic scattering, 22:1452
  - Electromagnetic inelastic form factors of processes $ep \rightarrow eN^*$, 24:52024
  - Fundamental theory of the gas nuclear reactor, 22:6032
  - Kinetics of the gas reactor, 23:33099
  - Nonrelativistic composite particle model for mesons, 25:28030
  - Nucleon electromagnetic form factors at high momentum transfers in an extended particle model based on the quark model, 24:42902
  - Pion—nucleon backward scattering at high energies and pion structure, 21:5392
  - Quark model and π N backward scatterings, 21:4050
  - Remarks on excitation function of the N_{15}^* (1688), 21:40175
  - Solitons and elementary particles, 25:25350
  - Statistical potential model, 21:25356
  - Structure and excitation mechanism of N^* in photoproduction $\gamma + p \rightarrow N^*$, 21:35281
  - Structure and excitation mechanism of N^* in electroproduction $e + p \rightarrow e + N^*$, 21:46519
  - Structure of overlap function and peripherality of production processes, 23:10865
  - Theory of elementary particle structures and high energy reactions, 22:26580 (NP-17395)
  - Veneziano-type vertex function and pion electromagnetic form factor, 24:12978
- NAMIKI, Mitsuo Alkali halides as agents enhancing the lethal effect of ionizing radiations on microorganisms, 21:36766
  - Effect of combined action of ionizing radiation and fluoride ion on lethality of microorganisms, 22:40967
  - Effects of γ-irradiation on the enzyme relating to the development of characteristic odor of onions, 25:26620
  - Radiation chemistry of halophenols in aqueous solution. I, 24:41376
  - Radiation-induced phenylation of p-bromophenol in aqueous solution, 24:19021
  - Radiosensitization with iodine compounds. I, 24:50765
  - Synergistic agents for the radiation inactivation of bacteria, 21:28700
- NAMIKI, N. Radiation-induced thymine formation from thymine glycol, 24:39432
- NAMSRAI, Kh. Production of ω mesons at high energies, 24:52015
- NAMYSLOWSKI, J. AFST model with π π and π p phase shifts and Durr—Pilkuhn form: factors applied to the reaction $\pi^+ p \rightarrow p\,3\,\pi^+\,2\,\pi^-$ at 8 GeV/c, 25:36503 (INR-P-1265)
  - AFST model with $\pi\pi$ and πp phase shifts and Duerr—Pilkuhn form factors applied to reaction $\pi^+p \rightarrow p3\pi^+2\pi^-$ at 8 GeV/c, 25:33755
  - Charged-pion photoproduction with NWSZ, 25:47783
  - Degeneracy of baryon trajectories, 24:1589
  - Low, intermediate, and high energies in Veneziano model for KN scattering, 25:33729 (INR-P-1228)
  - Low, intermediate, and high energies in Veneziano model for KN scattering, 25:36507
  - Strong absorption cut in photoproduction, 25:14603
  - Veneziano πN amplitude with PCAC and the Adler—Weisberger conditions, 24:3680
- NAMYSLOWSKI, J. M. Analysis of 3-body angular momentum states in $\pi N \rightarrow \pi\pi N$, 21:33708
  - Decoupled and covariantly reduced relativistic Faddeev equations, 22:48335
  - Relativistic, 3-dimensional, 2-body integral equations, 21:42438
- NAMYSLOWSKI, Jozef Low, intermediate, and high energies in Veneziano model for KN scattering, 25:7656 (IFT-70/5)
- NA NAKAZAWA, K. Duality and crossing symmetry of Veneziano model, 23:46703
- NANAO, S. Production of a very strong positron source ^{58}Co, 25:48742
- NANASYAN, A. S. Coupling on line and logic for the exchange of information between the measuring projector for the treatment of the track chamber photographs and the computer, 21:19917
  - Projector for photograph survey and measurements, 21:19925
  - Selection system for measured tracks in the scanning zone, 23:11851
- NANBU, Masatugu Cobalt-60-therapy unit "Gamma Tron-3a" (Siemens) in Dept. of Radiology, Sapporo City Hospital, 23:6244
- NANCE, Francis C. Radiation injuries to the lower gastrointestinal tract, 22:51766
- NANCE, Jon Roland Construction of macroscopically local relativistic quantum theories, 21:42234
- NANCE, R. L. Plutonium-238 materials as radioisotopic heat sources, 23:35428
- NANCE, Robert L. Method of preparing plutonium mononitride, 21:3080
- NANCE, Sharron L. Effects of radioprotective aminothiols in vivo on the sedimentability of mitochondria, 25:32450
  - Radiation effects on brown fat, 23:22422
- NANCE, Walter E. Radiation-induced abnormalities in human development, 23:22430
- NANCE, Weldon B. Chemical and mineral composition of Lost City meteorite, 25:40153
- NANCOLLAS, G. H. Thermodynamics of cation exchange on semicrystalline zirconium phosphate, 24:2276
  - Thermodynamics of ion exchange of hydrous zirconia, 21:14299
- NANCOLLAS, George H. Ion exchange properties of crystalline zirconium phosphate, 25:13084
- NANDA, A. K. Diffusion in In—Hg amalgams, 24:14745
- NANDA, Geeta Effect of nitrogen mustard on effect of uv in Aspergillus chevalieri, 25:39815
  - Ultraviolet-induced biochemical mutation in A. chevalieri, 21:16534
- NANDA, J. N. Protection against thermal radiation, 23:2837
- NANDA, Kul Deepak Thin airfoils in nonequilibrium magnetogasdynamics. I, 22:46003
  - Thin airfoils in nonequilibrium magnetogasdynamics. II, 23:3320
- NANDA, P. Chiral SU_3 x SU_3 gauge-invariant dynamics and K/sub l4/ decay form factors, 24:35680
  - Pion production in the phenomenological chiral Lagrangian model, 23:23484
- NANDA, R. S. Hydromagnetic flow in a rotating channel, 25:38194
  - Hydromagnetic free convection for high and low Prandtl numbers, 25:9270
- NANDA, S. Topology for Minkowski space, 25:28061
- NANDA, V. S. Quasi-thermodynamic theory of ^3He and ^4He solutions, 23:48857
- NANDEDKAR, D. P. Analysis of dc noise spectrum in plasma, 24:51665
  - Damped oscillations in plasma, 24:51733
  - Dc noise in plasma due to electron—ion collisions, 25:14303
  - Energy density and velocity of energy transport of rf wave in plasma. I, 23:20969
  - Energy density and velocity of energy transport of rf wave in plasma. II, 23:20968
  - Microwave resonance absorption in plasma, 25:33344
  - New method of determining the electron density and collision frequency in plasma, 22:41552
  - Noise spectrum of absorbed rf wave in plasma, 23:51733
  - Quantum theory of finite dc resistivity of plasma, 24:15310
  - Wave front and signal velocities of a rf wave in plasma in the region of backward waves, 24:5191
- NANDI, B. C. Durgapur cosmic-ray spectrogram with two solid-iron magnets, 25:35918
  - Momentum spectrum and the charge ratio of vertical muons at sea level, 25:35919
  - Solid Fe magnets used in Durgapur cosmic ray spectrograph, 25:35012
- NANDI, P. Effect of nitrogen mustard on effect of uv in Aspergillus chevalieri, 25:39815
  - Effects of inorganic salts on sensitivity of A. niger to ultraviolet rays, 23:31998
  - Effects of some chemicals on recovery of radiation damage of Streptomyces strain $Ac_{11}460$, 22:23690
  - New strain of Aspergillus niger producing citric acid, 24:12052
  - Radiation-induced morphological mutants of Aspergillus niger (V_{11}), 21:39538
  - Repair of ultraviolet radiation damage by thiourea, 25:32622
  - Transformation of nutritionally deficient mutants of A. niger, 23:33686
  - Ultraviolet induced mutations in Aspergillus niger, 22:6782
  - Ultraviolet-induced biochemical mutation in A. chevalieri, 21:16534
- NANDWANI, S. S. Pressure variation of Moessbauer fraction for impurity atom, 24:51855
- NANDY, B. C. Characteristics of a double magnet cosmic ray spectrograph to be built at Durgapur, 21:3726
- NANDY, K. Defects in interstellar grains, 23:41871
  - Electronographic study of the interstellar 4430 band, 23:48682
  - Galactic discontinuity near l/sup II/ = 140°, 22:31572
  - Interstellar dust: graphite, Fe, and silicate, 25:19450
  - Interstellar dust: reply to Duley's criticisms, 25:24825
  - Interstellar extinction by graphite, iron, and silicate grains, 24:37153
  - Interstellar grains and 200A interstellar extinction feature, 25:24827
  - Intrinsic variations of interstellar extinction laws, 25:58489
  - Observational results in connection with the properties of the interstellar medium, 21:31179
  - Observations of interstellar reddening. IV, 23:1136
  - Occurrence of broad interstellar absorption band in far-uv, 24:28036
  - Optical polarisation in nucleus of NGC 1068, 24:17584
  - Optical properties of graphite—Fe—silicate grain mixtures, 25:52576
  - Origin of the diffuse interstellar bands, 22:13126
  - Polarization within interstellar 4430-A absorption band, 25:24747
  - Polarization—wavelength profile of the interstellar 4430A absorption band, 24:42349
  - Ratio of total to selective absorption in the Galaxy, 24:10345
  - Role of impurities in interstellar graphite grains, 21:33036
  - Shape of the interstellar absorption band, 24:17590

Wavelength dependence of interstellar polarization, 25:58488
NANDY, K. N. Extinction law in the Magellanic Clouds, 24:17594
Image tube observations of the lambda 4430 interstellar band, 22:52339
NANEV, Chr Growth of Zn and Cd whiskers from vapor phase, 22:3192
NANGIA, P. Pulse radiolysis of ammonia gas. II. Rate of disappearance of the $NH_2(X^2B_1)$ radical, 25:41869
NANGNIOT, P. Absorption of ^{64}Cu in the sheep and rat, 21:12755
NANJO, Hirotada Multiple meson production in proton—nucleon interactions at 2.6 and 24 GeV/c, 23:5537
Multiple particle production in proton—nucleon interactions, 23:39606
NANJO, Tsutomu Neutron spectra in the intermediate energy region, 23:5747 (KURRI-TR-20)
NANJYO, Tsutomu Absolute measurements of thermal neutron flux, 23:5750 (KURRI-TR-45)
Initial calibration of KUR, 23:47276
Measurement of resonance activation integral of ^{55}Mn, 24:28751
Measurements of neutron flux and spectrum at KUR irradiation facilities, 24:26808 (KURRI-TR-60)
Neutron flux and spectrum at irradiation facilities of KUR, 23:49596
Spectral indices of an intermediate energy neutron system, 21:9919
Spectral indices of an intermediate energy neutron system, 24:1723
Tables of reactor poisoning due to fission products, 23:4313 (KURRI-TR-46)
NANN, H. Reaction ^{28}Si(^{3}He,p)^{30}P, 25:3602
Structure of ^{23}Ne, 23:7272
NANNE, H. Mutation frequency and genetic behavior of mutants induced by gamma irradiation and EMS, 23:9912 (NYO-2043-173, pp 3-17)
Mutation frequency and genetic behavior of mutations induced by acute and chronic γ radiation and EMS, 23:50411 (NYO-2043-195, pp 8-22)
Radiosensitivity of tropical plant species, 23:10109 (NYO-2043-173, pp 1-3)
Radiosensitivity of tropical plant species, 23:50926 (NYO-2043-195, pp 1-7)
NANNE, Henry Bean mutant induced by ionizing radiation. IV, 24:41859
NANNELLI, M. New technique of radium therapy in high-pressure oxygen, 23:29660
Qualitative modifications of saliva (viscosity, mucinolytic enzymes) after radium therapy, 21:18139
Tumor radiotherapy using hyperbaric oxygen, 23:33788
NANNI, F. Six-input OR-gate, 23:6321 (CERN-68-39)
Two triple twofold gated coincidence units, 24:50545 (CERN-70-25)
Versatile five-input coincidence unit, 24:14342 (CERN-69-31)
NANNICHI, Ro. Electrolytic fabrication of very fine holes, 22:10166 (ORNL-tr-1827)
NANOBASHVILI, D. I. Low-temperature irradiation of indium antimonide with fast neutrons, 21:846
NANOBASHVILI, E. M. EPR studies of low-temperature radiolysis of thiols, 22:37799
EPR study of low-temperature radiolysis of some organic thiocyanates, 23:38014
Formation of free radicals in aliphatic thiols at 77°K under action of γ-rays, 23:31369
Investigation of γ-radiolysis of sodium thiosulfate, 24:29313
Low-temperature radiolysis of aliphatic sulfides, 24:27112
Radiation chemical transformation of thiols and thiocyanates, 21:23975
Radiation effects on formation of thiocyanic acid esters, 22:37804
Radiation reduction of Hg and Cu, 22:45128
Radiation-chemical oxidation of aqueous thiocarbamide solutions, 24:9380
Radiation-chemical transformation of β-oxyethanethiol, 23:9480
Radical yields in the radiolysis of aliphatic thiols as a function of the hydrocarbon chain, 23:35228
Radiolysis of 1-hexadecane- and 1-octadecanethiols, 24:27163
Radiolysis of ethyl mercaptan, 21:34306
Radiolysis of potassium and ammonium thiocyanates in ethyl alcohol, 22:37805
Radiolysis of S compounds. I, 22:12394
Radiolysis of thiophenol and benzyl mercaptan, 24:9379
NANOBASHVILI, H. M. Effects of length of hydrocarbon chain on radiolysis of aliphatic thiocyanates, 25:31982
Mass-spectrometric investigation of low-temperature radiolysis of organic sulfides, 25:8290
NANOBASHVILI, S. I. Determination of plasma parameters produced by super high-frequency power in a magnetic field steady-state condition, 23:42259 (AEC-tr-7052)
Determination of the parameters of a plasma formed by the effect of microwave power in a magnetic field pulsed conditions, 23:34478 (NP-tr-1788)
Determination of the parameters of a plasma formed by the effect of microwave power in a magnetic field steady-state conditions, 23:36653 (NP-tr-1789)
Parameters of plasma produced under action of uhf power in magnetic fields. II, 23:51681
Parameters of plasma produced under action of uhf power in magnetic fields. I, 23:51680
Superhigh-frequency generation of strongly ionized argon plasma, 23:3513 (NP-17674)
Superhigh-frequency generation of strongly ionized argon plasma, 23:46485 (AEC-tr-7056)
Superhigh-frequency heating of plasma in magnetic field, 23:3440 (NP-17655)
NANSEN, P. Isotope techniques in study of hypoproteinaemias associated with helminthic disease, 24:50672
NAOE, Shuni-chi Optical and EPR studies on irradiated $CdCl_2$: Ag, 23:31376
NAOI, J. Silver-activated phosphate dosimeter glasses with low energy dependence and higher sensitivity, 25:39761
NAOI, Jiro Low-energy quantum radiation glass dosimeter, 22:51262
Some improvements on spherical capsule type glass dosimeter, 23:11884
NAOJIRO, Yasumi Degree of polarizability of neutrons in an electric field, 23:40092 (KURRI-TR-12)
NAOKO, Takada Strontium-90 and ^{137}Cs in soybean and its products, 23:16298
NAON, Michele Analytical properties of gaussian orbitals, 25:24926
Compton profile of atoms and molecules of form AHm, 24:47039
NAOT, D. Monte Carlo code for calculating Doppler effect in fast reactors, 22:35720
NAOUMIDIS, A. Compression of UC—UN mixed-crystal powders by hot-pressing methods, 24:4837
Consideration on ideality of UC—UN solid solutions, 24:44797
Determination of oxygen in uranium carbide according to a new bathless carrier method, 21:1279
Equilibrium measurements in the U(CN)—C—N_2 or U(CN)—UC_2—N_2 systems, 24:27885
Hexagonal uranium nitride, 21:14229
Investigation of the production of spherical fuel particles by a sol-gel process, 23:39020 (JUL-583-RW)
Investigations of uranium nitrides and carbonitrides, 21:45980 (JUL-472-RW)
Investigations of uranium nitrides and carbonitrides, 22:38635 (ORNL-tr-1918)
Investigations on preparation of UO_2 microspheres by internal gelation of UO_2 sol and from U(VI) solution, 24:30024 (CONF-700502-, pp 551-66)
Laboratory studies of surface tension processes for preparation of UO_2 microspheres at KFA, 24:30013 (CONF-700502-, pp 239-43)
Nitrogen determination in ceramic uranium compounds, 21:17574
Nitrogen determination in ceramic uranium compounds, 22:50904 (NP-tr-1687)
Stability of UC—UN solid solutions in presence of free carbon, 22:31467
Thermodynamic data of UN/sub x/, 21:32982
Thermodynamic data of UN/sub x/, 22:4119
U(C,N) as high-efficiency fuel preparation and irradiation properties, 25:24622 (JUL-703-RW)
NAOUN, A. Brain scanning with /sup 99m/Tc, 24:34467
NAPARTOVICH, A. P. Excitation wave produced by a light flare, 24:46855
Transfer of resonance radiation in a half-space, 24:12521
NAPIER, B. A. Access of gases to the porosity of synthetic graphite at high temperatures, 22:34112
NAPIER, B. Jr. Curing plastics with gamma radiation, 21:3086 (Y-1562)
Preparation and characterization of hydrocarbon derivatives of indene, 24:24986 (Y-1712)
Properties of carbon derived from indene compounds, 25:57295 (Y-1790)
NAPIER, E. Extraction of Be, 23:22493
NAPIER, J. A. F. Loss of intracellular K^+ ions from intact Ehrlich ascites carcinoma cell following irradiation, 23:50817
NAPIER, J. G. Crystallographic techniques and data for transmission electron microscopy of zirconium, 25:6877 (AAEC/E-204)
Interstitial ordering in α-Zr—O alloys, 24:2955
NAPIER, Michael J. Boron shot grading and inspecting, 24:53020 (BDX-613-155)
NAPIER, W. M. Intrinsic variations of interstellar extinction laws, 25:58489
NAPIER, W. McD Anomalous excitation on 57 Cygni, 24:10245
Construction of model stellar atmospheres, 24:23583
Photometric reflection effect in close binaries, 22:47759
Photometric reflection effect in close binaries. II, 25:40229
NAPIORKOWSKA, M. Excitation curve for reaction ^{181}Ta(n,p)^{181}Hf in 13- to 17.5-MeV energy range, 23:21340
NAPIORKOWSKI, K. Superselection rules, 24:21907
NAPLAVKOVA, N. P. Unifying techniques for Zr determination in Ti alloys, 25:51365
NAPOLEON, Arnold Neonatal irradiation and postnatal behavior in mice, 24:19358
NAPOLI, A. Method of analysis of neutron capture gamma-ray spectra, 25:56690 (RT/FI-(70)47)
NAPOLI, C. New neutron detector films from polyvinyl alcohol, 22:14814
NAPOLI, D. Diagnosis of bone metastases of mammary cancer by scanning with ^{85}Sr, 25:52140
NAPOLITANO, C. M. Experimental fast-neutron pulse propagation in iron, 23:37078
Quasi-monoenergetic fast-neutron pulse propagation in iron, 24:33097
NAPOLITANO, Carl Mario Fast neutron pulse propagation in iron, 25:45881
NAPOLITANO, E. Amplitude for excited nonspurious particles in dual-resonance models with arbitrary intercept, 25:53371
Amplitude for N nonspurious excited particles in dual resonance models, 25:30830
Application of the chiral algebra to the pion—nucleus elastic scattering, 23:32733
Backward deuteron electrodisintegration at low energies, 21:29874
Backward deuteron electrodisintegration at small momentum transfers, 22:29619
Forward rhoπ scattering sum rules, 21:42343
Link between f/sub K//f/sub π/ and mass of a strange scalar meson, 23:36909
Nonstatic correlations to the high-energy nuclear electron elastic scattering, 25:25456
Soft-pion scattering of deuterons, 23:7158
NAPOLITANO, L. G. Generalized Saha equation for nonequilibrium two-temperature plasmas, 22:19981
Influence of ionization nonequilibrium on wave propagation through plasma, 21:13559 (AGARD-CP-8(Vol.2), pp 619-41)
Prog. rpt. on electrofluid dynamics, annual, 1/69, 23:30391 (AD-685248)
NAPP, Frederick P. This atomic world, 22:33107
NAPPER, D. Recovered extraterrestrial material, 24:26913
NAPPER, D. H. Response of an EBR-II hexagonal can to a limited release of high-pressure gas, 25:41544
NAPPEY, P. Description and performance of the CERN Spiral Reader, 25:13236 (CERN-70-21(Vol.1), pp 19-36)
NAPPI, R. Chromosomal aberrations after irradiation of female genital organs, 24:25445
NAPRAVNIK, J. Development of selective sorbents and of optimum contactor for waste water decontamination, 25:23653 (UJV-2345.Ch.)
Fixation of concentrated high-activity wastes from irradiated fuel treatment laboratory extraction line, 25:23756 (UJV-2396.Ch.)
Fixation of concentrated wastes in cement, 23:50094 (UJV-2097-CH)
Plant project for fixation of radioactive wastes into bitumen, 25:54981
Radioiodine removal from waste water after a reactor accident, 25:23654 (UJV-2360.Ch.)
NAPRAVNIK, Jiri Fission products sorption in the suspension of natural sorbents coagulated by electric current, 21:30519
Vacuum fixation of radioactive sludges and concentrates in concrete, 24:36547
NAQIB, I. M. Absolute cross sections of reaction ^{16}O(d,p)^{17}O and spectroscopic factors of states in ^{17}O, 22:26846
Fluorine-19 levels from ^{18}O(^{3}He,d)^{19}F, 24:30704
Inelastic scattering of 42-MeV alpha particles by ^{24}Mg, 22:13981
Inelastic scattering of 42-MeV alpha particles by ^{25}Mg, 24:24543
Inelastic scattering of 42-MeV alpha particles by ^{26}Mg, 24:40575 (RLO-1388-110)
Inelastic scattering of 42-MeV α particles by ^{25}Mg, 24:1780 (RLO-1388-101)
Interference between nuclear and Coulomb excitation of ^{114}Cd by alpha particles, 24:22154
Measurement of static quadrupole moments of first 2^+ states of ^{108} ^{110}Pd and ^{110}Cd, 25:17893
Quadrupole moments of the first 2^+ states of ^{104} ^{106}Pd and ^{130}Te, 24:43395
Rotational model description of ^{19}F, 24:20336
Spectroscopic factors for ^{19}F from ^{18}O(^{3}He,d)^{19}F reaction, 23:10954
Static quadrupole moments of the first 2^+ states in ^{104} ^{106}Pd and ^{130}Te, 24:26665
NAQVI, A. H. Emission of deuterons in 24-GeV/c proton interactions with emulsion nuclei, 25:36403
NAQVI, J. H. Activities of the nuclear physics group at Aligarh Muslim Univ, 24:28841
Separable non-local two-nucleon potential for odd-parity spin triplet states, 22:1728
NAQVI, M. A. Linear potential model for the binding energy of a finite nucleus, 21:34038
NAQVI, S. Effect of AET on acetate-1-^{14}C incorporation into tissue lipids of irradiated rats, 23:6552
NAQVI, S. I. H. Automatic separation of true from background and random coincidences, 25:48984
Bremsstrahlung production in p—p collisions at 30 MeV, 21:29875
Gamma rays following decay of ^{85}Sr and /sup 85m/Sr, 25:43877
Gamma-rays from decay of /sup 93m/Mo, 25:34107
Reaction ^{199}Hg(n,γ)^{200}Hg with thermal neutrons, 21:23516
NAQVI, S. J. Chemical equilibria in americium and curium sulphate and oxalate systems and an application of a liquid scintillation counting method, 22:37818
NAQVI, S. M. Method for the determination of radioactivity in agar blocks by liquid scintillation spectrometry, 21:28254
NAQVI, Saida Effects of gamma radiation and AET on rat plasma phospholipids, 21:20044
Effects of gamma radiation and AET on rat tissue lipids, 21:20045
NARA, Kenichi Volume changes on mixing solutions of alkali halides and symmetrical tetraalkylammonium halides. II, 22:23011
NARA, S. Configurations of the free radicals in irradiated polypropylene and the relation of their decay reactions to the molecular motion, 22:123
Relation of the decay of free radicals in irradiated polyethylene to the molecular motion of the polymer and the configurations of the free radicals, 22:40137
NARA, Shigeo Anisotropic hyperfine constant in ESR spectrum of irradiated solution grown polyethylene, 23:11580
NARA, Shigeru Lead shield in the first nuclear-powered ship Mutsu, 25:2683
NARA, Y. Plant system parametric study on sodium-cooled prototype fast breeder reactor, 23:47156 (ANL-7520(Pt.2), pp 110-20)
NARAGHI, M. Dynamics of current sheets in coaxial accelerator, 21:2237
Electron beam calibration of electron density probes, 24:23885
NARAHARA, Yoshimasa Kapitza resistance between dielectrics and metals in the normal and superconducting states, 25:19616
X-ray scattering in liquid ^{3}He, 22:15366
NARAHARI, P. Radiosensitivity at the genotypic level in rice, 25:39961
X-ray induced mutants in an indica rice variety, HR5, 25:39831
NARAI, Tsutomu Influence of x-irradiation under hypothermia on the function of reticuloendothelial system, 23:14263

NARAI, Zh. Recording and data processing techniques in nuclear physics and technology, 22:49160
NARAIN, Anubhava High yielding radiation induced dwarf mutant in mustard, 25:39849
NARAIN, Hari P-wave travel times from shallow earthquakes, 23:11681
  S-wave travel time curves in the northernly azimuth from India in the distance range 55° determined from shallow earthquake data, 24:22822
NARAIN, Jai Prakash MHD of drop, in a cone, and sinks in uniform magnetic fields, 25:14096
NARAIN, L. X irradiation of the homologous corneal donor material, 22:47485
NARAIN, Prem Treatment of carcinoma penis by radium mould, 25:26863
NARAIN, Udit Escape of photons from a rotating star, 24:21464
  Field equations representing a gravitational field of magnetic type, 23:36998
  Gravitational fields of magnetic type, 24:40476
  Universe field with incoherent matter and electromagnetic radiation, 24:42494
NARANAN, S. Celestial positions of x-ray sources in Sagittarius, 22:36640
  Cosmic-ray studies of high-energy strong and weak interaction processes, 21:15256
  Evidence for x radiation from radio galaxy M87, 22:11116
  Extensive air showers, 21:3724
  Intensity of Sgr γ-1 in soft x rays, 24:27964
  Low-energy x-ray spectra of Sco X-1 and four Sagittarius sources, 23:14480
  Muon intensities and angular distributions deep underground, 21:18473
  Nucleon—antinucleon production in high-energy ($> 10^{13}$ eV) hadron collisions, 25:30728
  Optical search for x-ray sources in Sagittarius, 22:36641
  Satellite experiments in x-ray astronomy, 25:35703
  Scattering of x rays from pulsar NP 0532 by interstellar grains, 24:21474
  Upper limit on x rays from a new supernova, 22:34193
NARANG, V. P/sub L/sub I//P/sub K/ capture in ^{133}Ba, 23:44895
NARANG, V. P. Reactions (p,n) and (p,xn) in ^{127}I, 22:53212
NARASIMHACHARYULU, E. Incoherent scattering of gamma rays by K-shell electrons of Pt, 25:14410
  Inelastic scattering of gamma rays by K shell electrons, 25:49753
NARASIMHAM, J. B. Beneficiation of U minerals from Narwapahar—Singhbhum, 25:44423
NARASIMHAM, K. L. Bromine-79 and excited-core model, 25:38956
NARASIMHAM, K. V. Absorption spectrum of ammonium uranyl sulphate, 22:42668
  Absorption spectrum of ammonium uranyl sulfate, 25:2211
  Electronic absorption spectrum of uranyl sulfate, 21:39806
  Energy levels and structure of ammonium uranyl fluroride, 25:37395
  Force constants and bond distances for the U—O bond of uranyl salts, 25:121
  Ground state vibrational levels of zinc uranyl acetate, 24:22631
NARASIMHAM, Musti A. Lamb shift in singly ionized helium, 25:38141
NARASIMHAM, Musti Appala Lamb shift in singly ionized He, 23:5254
NARASIMHAM, N. A. Emission spectrum of the PD^{+} molecule, 21:8283
  Isotope shift studies of P^{16}O and P^{18}O, 23:111
NARASIMHAM, V. S. Cosmic ray angular distribution underground at 1500 hg/cm^{2} (Kolar), 22:47857
  Kolar Gold Field neutrino experiment, 24:15454 (CERN-69-28, pp 81-93)
  Kolar gold fields neutrino experiment. I, 25:45318
  Kolar gold fields neutrino experiment. II, 25:45319
  Multiple muon events observed underground, 25:14060
  Muon intensities and angular distributions deep underground, 21:18473
NARASIMHA MURTHY, S. Stability of an accelerated plasma shell in the presence of magnetic field, 25:30547
  Stability of infinitely conducting cylinder, 24:21653
NARASIMHAMURTY, K. Internal bremsstrahlung from ^{204}Tl and ^{91}Y, 21:12044
  Internal bremsstrahlung from ^{32}P and ^{210}Bi, 21:7801
NARASIMHAN, K. R. Effect of modulated current on etching of tantalum, 23:22473
NARASIMHAN, K. S. V. Magnetic and electrical properties of Yb—Sb phases, 22:23804 (CONF-670502-, pp 29-35)
NARASIMHAN, K. S. V. L. Magnetic and electrical properties of some Yb—Sb phases, 22:22216
  Magnetic properties of RT'/sub 3-x/T"/sub x/ (R = Dy or Ho and T' = Fe or Co and T" = Ni), 25:52935 (CONF-711001-(Vol.1), pp 218-28)
  Magnetic susceptibilities of rare earth silicides and germanides, 23:12987
NARASIMHAN, K. Y. Coolant-structure coupling during a rapid insertion of energy, 23:19564 (ANL-7502)
NARASIMHAN, R. A mix optimization model and its application to the northern grid, 25:25854
NARASIMHAN, S. L. Metastable constitution and superconducting transition behavior of Zr—Ta alloys, 25:13716
NARASIMHA RAJU, M. L. 437-keV beta transition in the decay of ^{125}Sb, 25:5730
  Validity of xi approximation of the 1400 keV beta decay in ^{143}Ce, 25:5700
NARASIMHA RAO, B. V. Lifetimes of 113- and 321-keV levels of ^{177}Hf, 23:5939
NARASINGA RAO, B. C. Control of equatorial spread F by the F layer height, 21:5198
NARASINGA RAO, B. S. Study of ^{45}Ca turnover in skeletal fluorosis, 22:51313
NARATH, A. Nuclear magnetic relaxation in transition metals scandium, yttrium, lanthanium, and yttrium dihydride, 21:37623
NARATH, Albert Band structure and ^{197}Au NMR studies, 23:39580
  Impurity NMR shifts and spin—lattice relaxation rates in Al:V, Al:Cr, and Al:Mn, 23:42513
  Magnetic properties of dilute Au—V alloys, 23:44536
  NMR and relaxation of ^{197}Au in gold metal and ^{109}Ag in gold—silver alloys, 22:1356
  Nuclear magnetic resonance and relaxation in Ir metal, 22:11551
  Nuclear magnetic resonance in hexagonal lanthanum metal, 23:30662
  Nuclear magnetic resonance in magnetic and metallic solids, 22:9103
  Nuclear magnetic resonance in palladium—silver alloys, 22:15627
  Nuclear magnetic resonance in ReO$_{3}$, 23:10721
  Nuclear spin—lattice relaxation in hexagonal transition metals: titanium, 21:44178
  Nuclear-magnetic-resonance studies of dilute molybdenum—cobalt and tungsten—cobalt alloys, 25:1337
  Vanadium-51 NMR in dilute gold—vanadium alloys, 22:22245
NARAY, Zs. Automatical data logging and processing system for experimental investigations. I, 22:16952
  Automatical data logging and processing system for experimental investigations. II, 22:25699
  Biological effects of uv-radiation generated within the living organism, 22:51882
NARAYAN, D. S. Behavior of form factors and scattering amplitudes from analyticity and other constraints, 25:25526
  Chiral symmetry, superconvergence, and sum rules for scattering amplitudes, 22:22434
  Damping of large transverse momenta in elastic and inelastic collisions, 23:15252
  Eikonal and Mandelstam representations, 23:23568
  New class of superconvergent sum rules for scattering amplitudes, 22:50370
  On a model for saturation of a superconvergent sum rule, 22:7496
  P—P and N—p scattering based on transverse momentum distribution and Mandelstam representation, 21:4060
  Pomeranchuk theorem and results from Serpukhov and satellite experiments, 24:49452
  Superconvergence sum rules for baryon—antibaryon scattering, 22:7499
NARAYAN, G. H. Contribution of the NaI(Tl) crystal to the total linewidth of NaI(Tl) scintillation counters, 22:40423
  Electron responses and intrinsic line-widths in NaI(Tl), 24:4449
NARAYAN, S. R. Nuclear recoil reactions in polynuclear metal carbonyls, 23:17474
NARAYAN, S. Yegna Gap excitation of electron beam—plasma systems, 22:6706
NARAYAN, Subrahmanyam Yegna Gap coupling to beam—plasma systems with applications to amplifiers, 22:3121
NARAYANA, C. L. Magnetofluiddynamic heat transfer, 25:30341 (NAL-TN-6)
NARAYANA, K. L. Dual core model for ^{5}He, 24:5385
  Low-lying energy levels of ^{18}O nucleus, 22:22637
  Resonating magic cores model for ^{10}B nucleus, 25:50665
  Structure of mass-19 nuclei, 23:19171
  Uranium quadrupole moment, 24:15894
  Uranium quadrupole moment based on a dual core fissionable model, 23:37222
NARAYANAMURTI, D. Radiation processed wood-plastic materials, 25:19298
NARAYANAMURTI, V. Intense tunable phonon fluorescence in superconductors, 25:49845
NARAYANAN, A. Spectrophotometric determination of rhenium with diacetylmonoxime, 22:16463
NARAYANAN, C. V. Acetic acid as eluting agent for Pu(IV), 23:376
NARAYANAN, G. Hari Comments on phase transformations in beta isomorphous titanium alloys, 25:4805
  Decomposition of metastable beta phase in all-beta alloy Ti—13V—11Cr—3Al, 24:42146
  Reply to transition morphology during hcp precipitation from beta-isomorphous alloys, 25:29887
NARAYANANKUTTY, P. Effect of ionic media on stability constants of chloride, nitrate, and thiocyanate complexes of Am(III) and Eu(III), 25:18371
  Extraction of Am(III) and Eu(III) by dinonylnapthalene sulphonic acid and its salts, 22:45152
  Separation of actinides and lanthanides, 23:383
NARAYANA RAO, G. L. Criteria for recognition of a winter day of high ionospheric absorption, 21:29134
NARAYANA RAO, N. Ionospheric electron content and irregularities, 21:29135
NARAYANASWAMI, P. Photopion production from nucleons, 22:9550
NARAYANASWAMY, P. Accurate solution of a Bethe—Salpeter equation for a fermion—antifermion system bound via vector exchange, 22:46403
  Accurate solution of Bethe—Salpeter equations for tightly bound fermion-antifermion systems, 22:15770
  Asymptotic SU(2) x SU(2) for proper amplitudes with local chiral algebra, 24:13195
  Asymptotic symmetry, sum rules, and renormalization constants, 24:43004
  Axial-vector current-field identity and spontaneous symmetry breakdown, 25:25476
  Broken symmetry and Smushkevich principle, 23:10833
  Current algebra and photoproduction of pions, 22:46363
  Field—current identity for interacting fields, 24:37895
  Low-energy theorem connecting weak-pion production and two-pion photo-production, 22:11620
  Meson wave function renormalization constants and asymptotic symmetry, 24:26433
  Rise and fall of Regge trajectories in potential scattering, 23:21174
  Superconvergent dispersion relations and pion—pion scattering sum rule, 24:13073
NARAYANASWAMY, R. Uranium and thorium contents of coexisting gneisses, granites, and pegmatites, 23:43255
NARAYANASWAMY, U. R. Flame spectrophotometric determination of europium and yttrium in rare earth concentrates, 23:21626 (BARC-356)
NARAY-SZABO, G. Approximate separation of the Schroedinger equation, 23:18438
  Approximate solution of the N-electron problem, 25:16848
NARBONI, P. Experimental study of reaction D(p,γ)p/sub s/, D at 156 MeV, 24:10913
  Reaction T(p,γ)^{4}He at E/sub p/ = 156 MeV, 23:25796
NARBONI, Ph. Experimental studies of reactions ^{3}H(p,p)^{3}H, ^{3}He(p,p)^{3}He, and ^{3}H(p,n)^{3}He at 156 MeV, 25:12365
  Polarization in elastic scattering of 156 MeV protons on ^{3}He and ^{3}H, 25:48015
  Reactions ^{3}H(p,p)^{3}H, ^{3}He(p,p)^{3}He, and ^{3}H(p,n)^{3}He at E/sub p/ = 156 MeV, 25:17699
NARBUT, T. P. Superconducting interferometer with resistive point contacts, 24:8399
  Superconducting point contact having properties of Josephson junction, 25:36070
NARBUTT, J. Thermal annealing of ^{82}Br in neutron-irradiated p-dibromobenzene, 21:25909
NARBUTT, Jerzy Application of clathrate chromatography to separation of ^{82}Br labelled bromobenzenes, 22:2186
NARCHAL, M. L. Dynamic orientation of nuclei with spin > 1, 23:49470
  Dynamic orientation of spin 1 nuclei. III, 23:48962
  Nuclear relaxations in dynamic orientation of nuclei, 24:40202
NARCHAL, N. L. Electron—nuclear coupled system with dipolar interaction, 25:1334
NARCISI, R. S. Diurnal model of the E region, 24:17777
  Electron loss during a nighttime PCA event, 25:43269
  Ionic constitution of class I auroras, 24:30238
  Measurements of negative ions in D and lower E regions, 25:49803
  Winter anomaly and related transport phenomena, 24:37340
NARCISI, Rocco S. Water cluster ions in ionospheric D region, 24:39922 (AD-704548)
NARCY Development of an elastomer for pressurized carbon dioxide sealing purposes, 22:37467
NARCY, J. Metallurgy and structural materials, 22:13040
NARCY, Jack Nuclear reactor, 22:48706
NARDELLI, E. Risk evaluation of a high-activity installation, 24:31544
NARDELLI, G. Disorder in implanted semiconductors, 25:36300
  Interaction between B atoms and defects produced by Hg bombardment in silicon, 24:30392
  Mercury ion implantation in silicon, 24:42786
NARDELLI, G. C. Polarization and cross-section measurements of protons scattered by ^{14}N, 21:5494
  Polarization of protons elastically scattered from ^{3}H, 21:44550
NARDELLI, G. F. Slow-neutron scattering and molecular dynamics of liquid state, 22:43854 (EUR-4037)
NARDI, A. Applied ecological studies on the environment of the Casaccia Nuclear Center (Rome, Italy), 25:16163
  Evaluation of the absorbed dose to a population in the case of an incident in a nuclear plant, 24:7836 (RT/PROT-(69)17)
  Method for producing ZnS scintillators, 24:19210
NARDI, A. J. HELM: computer code to calculate macroscopic cross sections for PDQ-4 computer code, 22:35197 (GEAP-4953)
  Westinghouse Plutonium Fuels Development Laboratory, design philosophy, and startup experience, 25:4302
  Westinghouse Plutonium Fuels Development Laboratory design, 25:51784
NARDI, E. Dependence of light particle production in fission on the rate of change of the nuclear potential, 25:25798 (NRCN-252)
  Fission saddle point calculations with the inclusion of shell effects, 22:42127
  Gamma ray measurements with plastic scintillators, 25:48961
  Monte Carlo calculations in NaI crystals, 24:36581
  Trajectory calculations in light-particle fission, 24:30901
NARDI, Eran Emission of particles of 3 less than or equal to Z less than or equal to 8 in the fission of ^{252}Cf, 24:40651
  Energetics and mass distribution of fission fragments in triton- and proton-accompanied fission of ^{252}Cf, 24:6935
  Neutron emission in alpha-particle-accompanied fission, 25:5723
  Properties of neutrons emitted in long-range alpha fission of ^{252}Cf, 22:32637
NARDI, George L. Evaluation of corrective surgery for pancreatitis by ^{75}Se selenomethionine pancreatic imaging, 25:49237
NARDI, J. Status of CERN—RHEL minimum guidance, 23:33518 (ANL-7515, pp 421-30)
NARDI, J. A. Problems and progress in the integration of an FSD measurement facility and a bubble chamber physics research program, 21:41250
  Role of human guidance in fast measurement system, 23:11845 (BNL-13060)
  Some special features of the Brookhaven real-time FSD program, 21:41251
NARDI, S. Scintigraphic indications for lymphatics of the nose with colloidal ^{198}Au, 24:2739
  Scintigraphic patterns of diffusion of colloidal ^{198}Au in studies on lymphatics of head and neck, 24:2738
NARDI, V. Magnetic bundles in reacting flowing plasma, 24:49169
  Vorticity and neutrons in the plasma focus, 25:56157

- NARDONE, Jouis J. Research and instrumentation for the study of airglow and aurora phenomena, 23:51446 (AD-689175)
- NARDONE, R. M. Effect of gamma radiation on cell and size of Strain L, 23:20325
- NARDONI, G. Comparison of radiographic results contained at different energy levels, 23:50068
- NARDOZZI, M. J. Application of neutron generators in the steel industry, 25:2121 (CONF-700322-, pp 249-57)
- NARDUZZI, F. Nuclear chemistry industry at Mol, for treatment of irradiated fuels, 22:6426
- NARDUZZI, J. V. Pituitary ablation, insulin dosage, and course of diabetic retinopathy, 23:50744
- NAREBSKA, Anna Effect of gamma radiation on ion exchange resins. I, 23:47564
  - Effect of gamma radiation on ion exchange resins. II, 25:10646
  - Studies on ion-exchange membranes. II, 21:45128
- NARGOLWALLA, S. S. 14 MeV neutron activation analysis for trace O, 24:53
  - Activation analysis of chloride and iodide in photographic emulsions, 24:54
  - Activation analysis of halogens, 23:24118
  - Application of neutron generators to activation analysis, 25:3527 (CONF-700322-, pp 185-204)
  - Blank problems in 14-MeV neutron activation analysis for oxygen, 23:7463
  - Characterization of standard reference materials for industry and research by neutron generator activation analysis, 24:38772 (PRNC-135, pp 183-6)
  - Continuous activation analysis of dilute solutions, 24:59
  - Elemental analysis of proteins by 14-MeV neutron activation, 21:35874
  - Experimental sensitivities for 3-MeV neutron activation analysis, 24:5636
  - Minimization of systematic errors in 14-MeV neutron activation analysis, 24:16481
  - Neutron activation analysis for trace oxygen, 24:31295
  - Self-absorption corrections in photopeak analysis of gamma photons from nuclear emission and positron annihilation in 14-MeV neutron activation analysis, 22:30836
  - Technique for evaluation of systematic errors in activation analysis for oxygen with 14-MeV neutrons, 22:22980
  - Use of dual sample-biaxial rotating assembly with pneumatic tube transfer system for high precision 14-MeV neutron activation analysis, 22:22981
- NARGOLWALLA, Sam Study of 14-MeV neutron-induced reactions for analysis of trace fluorides, 21:12371
- NARGUNDKAR, V. R. Critical study of BeO by pulsed neutron method, 22:14273
  - Pulsed neutron studies of BeO with empty channels, 22:26777
  - Rossi-α time correlator, 24:16325
  - Techniques for determination of prompt neutron decay constant in reactors, 24:13628 (BARC-431)
- NARIAI, Hidekazu Brans solution in the scalar—tensor theory of gravitation, 24:3765
  - Class of non-static fluid spheres without energy flow, 23:16996
  - Dissipation of primordiil turbulence in the expanding universe, 24:46987
  - Gravitational instability in Brans—Dicke cosmology, 24:3142
  - Gravitational instability in expanding universe, 21:26960
  - Gravitational instability in Lemaitre universe, 23:46237
  - Green's function in expanding universe and role in problem of Mach's principle, 22:50459
  - Lagrangian approach to gravitational instability, 23:39281
  - Nonlinear effect of cosmic fluid in an expanding universe, 24:51379
  - Nonlinear effect of cosmic fluid in an expanding Universe. II, 25:35815
  - Optical appearance of collapsing star in terms of scalar—tensor theory of gravitation, 24:42382
  - Oscillating model for gravitational collapse with pressure gradient, 22:4923
  - Oscillating perfect-fluid sphere with uniform density, 23:10427
  - Simple model for gravitational collapse with pressure gradient, 21:46109
  - Spectral shift of light rays emitted from a pulsating object, 22:31538
- NARIAI, Hideki Discharge of saturated water through pipes and orifices, 21:43178
  - Outflow of supersaturated water through short pipes, 23:17682
  - Study on curved pipe steam generator, 25:18586
- NARIAI, Kyoji Coronae around helium stars and x-ray sources, 23:18304
  - Coronae around helium stars and x-ray sources, 23:22714 (N-68-37682)
  - Infrared radiation from upsilon Sagittarii, 22:5002
  - Mass loss from coronae and its effect upon stellar rotation, 23:18303
- NARIBOLI, G. A. Alfven wave in a relativistic gas, 24:5038
  - Effect of rotation on growth of Alfven wave, 21:40016
  - Weak discontinuities in magnetogasdynamics in the presence of dissipative mechanisms, 23:42028
- NARIKAWA, T. Plasma production by molecular ion injection into a magnetic mirror, 25:52838
- NARIKAWA, Tsimei Mutation induced by irradiation soybean, 22:8505
- NARIMANOV, A. A. Restoration of radiation damages to cotton seeds during prolonged storage, 22:52025
  - Restoration of radiation damages to cotton seeds under the action of high temperature, 23:29898
- NARIMANOVA, L. Kh. Radiosensitivity of the hair follicle and indices of oxidating and reducing potential in the use of some radiomodifying agents, 24:34412
- NARIMOV, S. Ionizing radiation in agriculture, 23:7981
- NARINYAN, S. G. Effect of uv radiation on growth of plants and pigment content of plastids, 22:43484
- NARISADA, K. Application of solid-state track detector for RdTh daughter nuclides, 24:31724
- NARISADA, Kaoru Pulse counting method using channel multiplier, 24:25280
- NARISAWA, Shizuo Alternating copolymerization of CO and ethylenimine by azobisisobutyronitrile or γ irradiation, 21:34293
- NARITA, D. Elution requirements for ion-exchange separation of uranium isotopes, 25:23693
- NARITA, Hirokazu Measurement of a small radius plasma column with microwave techniques, 24:8445
- NARITA, Kenji Composition ranges with similar constricted hysteresis loops in Mn—Al—B alloys, 25:11983
- NARITA, Kiichi Analysis of Zircaloy, 25:26171
  - Effects of Mn, Si, Cr, and Ni on reaction of solution and precipitation of Nb nitride in Fe austenite, 25:58268
  - Inverted V segregation in killed steel ingots, 24:32452
- NARITA, Masakuni Application of information theory to pulsed nuclear radiation measurement, 22:21324
  - Feedback-type detection system for pulsed radiation measurement, 25:42087
- NARITA, Nobuo Balloon-borne instrument for low-energy primary cosmic-ray measurements, 25:42159
  - Electric charge identification of heavy primary cosmic rays by a photo densitometer, 25:39758
  - Isotopic composition of low-energy helium nuclei in primary cosmic rays, 25:43173
- NARITA, Shinji Collapse and flare-up of protostars, 23:39108
  - Rapid contraction of protostars to the stage of quasi-hydrostatic equilibrium. III, 24:46902
- NARITA, Takao Breakdown of scaling law for electromagnetic form factors, 24:18120
  - Charge distribution of the pion, 24:42907
  - Pion form factor and the second rho meson, 23:8783
  - Pion form factors in the quark model, 22:52977
  - Regge-pole model for nucleon electromagnetic form factor, 22:13695
  - Theoretical foundation for Hofstadter—Wilson formula, 22:32087
- NARITA, Toyota High temperature oxidation of Be-elinvars, 21:32832
- NARITA, Y. Elimination of beam-defocusing effects due to filament magnetic fields in the electron gun of a linac, 21:19125
- NARITA, Yuichi After-effect of halogen quenched G—M counter, 23:35494
  - Method of measurement of after-pulses of G—M counter using the RI chopper, 21:36360
- NARITOMI, M. Airborne I monitoring at radioisotope test production plant, JAERI, 23:14180
  - Airborne plutonium monitor with alpha spectrometer, 21:36359
- NARITOMI, Mitsuo Performance of an improved air sampler for collecting airborne radioiodine, 24:50566
  - Performance of charcoal-impregnated filter paper type CP-20 for collecting airborne radioiodine, 25:39700
  - Performance of model 7FE charcoal filter for removal of airborne radioiodine. I, 23:4769
  - Performance of two types of gas mask cartridges for removal of airborne radioiodine, 23:45762
- NARJOUX, J. L. Formation of Y/sub 1/* (1665) in reaction $K^-n \to \Sigma^{-*}\pi^{*-}$, 23:32625
  - K^+p elastic scattering (2.1 to 2.7 GeV/c, 24:5252
- NARJOUX, Jean-Louis K^-d and K^-n interactions at about 1 GeV/c, 25:38662 (NP-18891)
- NARKEVICH, B. Ya. Calculation of dissipated-energy distribution in the theory of transport of electrons in matter, 23:51364
  - Calculation of the dose field of a thin electron beam, 23:38577
  - Calculation of the sensitivity function of a detecting system with a multichannel ring collimator, 25:42089
  - Determination of the optimal canal of registration of gamma-radiation in radioisotope diagnosis, 25:42397
  - Dosimetry in short-distance x radiotherapy, 25:526
  - Intracavitary measurements of absorbed doses, 23:50523
  - Measurement of absorbed doses of x rays, 23:43772
  - Spacial distribution of β-radiation dose uptake by a tissue-equivalent medium, 23:38254
- NARKHOV, A. V. Anomalous behavior of carbon atoms at low temperatures in martensite irradiated by electrons, 25:13729
- NARLIKAR, A. V. Dependence of the lower critical field on normal-state resistivity in superconducting alloys, 23:3427
  - Effect of microstructure on superconducting properties of Mo—34 at. percent Re alloy, 22:22077
  - Magnetization of superconducting carbides, 21:41969
  - Superconductivity in deformed niobium alloys, 21:24755
- NARLIKAR, J. Pulsed radio sources, 22:23966
- NARLIKAR, J. V. Astrophysics, 23:41765
  - Cosmological models and their observational validation, 21:11384
  - Cosmology and electrodynamics, 23:6870
  - Cosmology and quantum electrodynamics, 22:41171
  - Cosmology and quantum electrodynamics, 23:34249
  - Effect of quantum conditions in a Friedmann cosmology, 25:7120
  - Electrodynamics of direct interparticle action. I, 23:46803
  - Electrodynamics of direct interparticle action. II. Relativistic treatment of radiative processes, 25:17564
  - General correspondence between field theories and the theories of direct interparticle action, 24:10806
  - Interpretation of cosmic microwave background, 22:23950
  - Microwave background in a steady-state universe, 22:5020
  - Nature of mass, 25:58667
  - On a wavefunction picture for the direct particle theory of gravitation and electromagnetism, 21:33569
  - Quantization of Wheeler—Feynman electrodynamics, 24:24196
  - Recent developments in cosmology, 23:16619
  - Role of acceleration in relativistically expanding objects and its significance for the intensity variations in quasi-stellar sources, 21:6942
  - Time asymmetry in electrodynamics and cosmology, 25:58671
- NARLIKAR, V. V. Relative mass in general relativity, 22:32213
- NARNHOFER, H. Quantum mechanical basis of Wiedemann—Franz law, 23:44578
- NARO, G. Internal contamination in vicinity of nuclear electric center at Garigliano, 25:42435
  - Whole-body counter at nuclear electric center at Garigliano, 25:42081
- NARODETSKII, I. M. Energy distributions of three-pion decays, 22:24573
  - Excited 0^+ level of α particle, 24:22068
  - Gilbert—Schmidt expansion for potentials with hard core, 25:3724
  - Gilbert—Schmidt expansion for two-particle potential scattering amplitude, 23:32859
  - Interference phenomena in decays $X \to \pi$rho and determination of quantum numbers of the A_1 meson, 23:15088
  - Model of s-wave potentials with a hard core, 25:17993
  - Polar approximation in integral equations for four particles, 24:18446 (ITEF-672)
  - Pole approximation in integral equations for four particles, 24:8836
  - Radiational corrections to the decays $\Lambda \to N\pi$ and K/sub S/° $\to \pi^+\pi^-$, 23:13072
  - Reaction $\pi^-p \to \Delta^{++}(1236)\pi^-\pi^-$ at 3.25 GeV/c, 23:7100
  - Reaction $\pi^-p \to \Delta^{++}(1236)\pi^-\pi^-$ with the impulse of π^- meson at 3.25 GeV/c, 22:48227 (ITEF-590)
- NARODETSKY, I. M. Radiative corrections to $\Lambda^0 \to N\pi$ and K/sub s/ $\to 2\pi$ decays, 22:29673
- NAROSKA, B. Total cross section for photoproduction of hadrons on hydrogen and deuterium between 1.0 and 6.4 GeV, 24:40226 (DESY-70/17)
  - Total cross section for photoproduction of hadrons on H and deuterium between 1.0 and 6.4 GeV, 24:51890
  - Total photoproduction cross section of hadrons on nuclei, 25:25281 (DESY-71/5)
  - Total photoproduction cross section of hadrons on nuclei, 25:27953
- NAROZHNAYA, T. P. Interferometer measurements of pulsed xenon discharge parameters, 24:17886
- NAROZHNYI, N. B. Propagation of plane electromagnetic waves in a stationary field, 22:48404
  - Quantum processes in a constant and uniform electric field, 22:22360
  - Simplest processes in the pair-creating electric field, 24:35627
- NARRA, S. Heat transfer from radioisotopic power sources in porous media, 24:5785 (AD-691213)
- NARROG, J. Detection of low radiation doses of personnel, 22:6657
  - Neutron dosimetry for personnel monitoring in radiation protection, 22:33673
  - Performance of extensive experiments on glass dosimeters by official personnel dosimetry service of Land Baden—Wuerttemberg, 23:16159 (BMwF-FBK-68-45)
  - Testing and routine use of glass dosimeters, 24:27427 (CONF-690540-, pp 501-4)
- NARTEN, A. H. X ray diffraction data on aqueous ammonium halide solutions at 25°C, 23:17305 (ORNL-4367)
  - X-ray diffraction data on liquid benzene at 25°C, 21:45090 (ORNL-4166)
  - X-ray diffraction data on liquid carbon tetrachloride at 25°C, 21:14182 (ORNL-4068)
  - X-ray diffraction data on liquid neopentane at 25°C, 21:21920 (ORNL-4103)
  - X-ray diffraction data on liquid trimethylamine decahydrate at 5°C, 24:43893 (ORNL-4571)
  - X-ray diffraction data on liquid water in temperature range 4°C to 200°C, 24:41113 (ORNL-4578)
  - X-ray diffraction data on system tetra-n-butylammonium fluoride—water at 25°C, 23:9354 (ORNL-4333)
  - X-ray diffraction data on system water—ammonia at 4°C, 22:18739 (ORNL-4221)
  - X-ray diffraction data on the system carbon tetrachloride—neopentane at 0°C, 22:8041 (ORNL-4203)
- NARTOVA, T. T. Dependence of the mechanical and heat resisting properties of ST1 titanium alloy on heat treatment, 21:45903
  - Effects of Al and Zr on properties of Ti_3Sn, 25:19238
  - Heat resistance and elastic properties of titanium—tantalum alloys, 25:55446
  - Heat-resistance and ductility of Ti—Mo alloys, 24:27760
  - Investigation of equilibrium and properties of alloy Ti—Zr—Al, 22:52203
  - Phase equilibrium and high-temperature strength of Ti—Zr—Al alloys, 25:16457
  - Phase equilibrium of part of system Ti—Al—Mo, 24:27799
  - Phase structure of Ti_3Al—Nb alloys, 24:48857
  - Studies of physical properties and heat resistance of continuous solid solutions of Ti—Zr and Ti—Hf, 22:10960
- NARUKI, K. Preparation of ceramic fuels in PNC, Japan, 25:16562 (NP-18650)
- NARUKI, Kaoru Research and development of fuel for liquid metal fast breeder reactor, 24:31074
  - Vib-swaging process for fuel rod, 24:42224
  - Vibratory compaction of UO_2. II, 25:58364
- NARULA, K. K. Retention of radioactive iron by the mouse after ingestion of labeled wheat and barley, 22:45400
- NARUM, R. E. PREP and KITT: computer codes for automatic evaluation of a fault tree, 24:50276 (IN-1349)
- NARUMI, H. Muon capture rate in ^{11}C with exact nuclear and muon wave functions, 22:26915
  - Pionic complex level shifts in light nuclei, 22:27390

Theory of muon capture in ^{16}O, 22:20481
NARUMI, Hajime Cascade process in mesic atoms, 25:58724
Contribution absorption-reemission process to the complex level shift in the pionic atom, 25:55833
Muon capture in ^{12}C and nuclear structure, 23:8946
Muon capture in ^{12}C and nuclear structure, 23:44834
Nuclear excitation by the bound muon, 25:43913
Pionic complex level shifts and optical potential parameters in terms of the π—N scattering length, 25:43806
Polarization shifts in plasma, 25:17173
Quantum theory of pressure broadening in plasma, 22:39050
Theory of electron impact broadening in plasma, 24:37460 (IPPJ-90)
Theory of electron impact broadening in plasma, 25:22523
NARUSE, Humio Hall effect on MGD flow past an axisymmetric body. II, 24:17728
Hall effect on the magnetogasdynamic flow past an axisymmetric body. I, 24:17730
Hall effect on the magnetohydrodynamic flow near a stagnation point, 21:16856
NARUSE, S. Effects of uv-microbeam on RNA, DNA, and protein synthesis, 22:36217
Stomatogenesis and cell division in Euplotes inhibited by uv microbeam irradiation, 21:32807
Synthesis of RNA, DNA, and proteins in uv-irradiated HeLa cells, 21:14608
NARUSE, Sensuke Morphological changes following ultraviolet microbeam irradiation of parts of nuclei of living cells, 22:19249
Photoreactions in a nuclear part irradiated with an ultraviolet microbeam in interphase cells derived from various species, 22:8449
NARUSE, Tsutomu Effect of additives on the radiation-induced polymerization of trioxane, 21:17680
Effect of additives on the radiation-induced polymerization of trioxane, 22:42726 (NSJ-tr-108)
Radiation polymerization of vinyl ether, 22:21108
Radiation-induced polymerization of vinyl ethers, 23:15876 (NSJ-tr-142)
NARUSE, Y. Search for quarks, 23:23323
NARUSHIMA, Katsuya Absolute calibration of bremsstrahlung beam monitors, 25:42083
Solid-state control circuit for ionization vacuum gauge, 25:23912 (INS-TH-68)
NARVAEZ, Richard Curium process development. III-2, 21:5990 (DP-1016)
NARYSCHKIN, M. A. Fission products migration in forest, 24:41788
NARYSHKIN, M. A. Characteristics and quantitative prediction of cumulative storage of ^{90}Sr in arboreal plants, 25:26616
Patterns of distribution of fission products deposited from fallout in forests of various areas of USSR, 24:25421 (A-AC-82/G/L-1302)
NARZIEV, Kh. Large-size neutron counters for super monitors, 23:41006
NARZULAEV, B. N. Mass spectrometric investigation of thermal decomposition of γ- and neutron-irradiated polystyrene, 24:16599
NARZULLAEV, B. N. Effect of gamma-radiation on process of oxidation of polyethylene as determined by infrared spectroscopy, 23:28868 (AD-683534)
IR-spectroscopy studies of γ-radiation effects on the crystallinity of poly(vinyl alcohol), 25:2220
Stability changes in polystyrene irradiated with gamma radiation, 25:47194
Thermo-oxidation degradation of poly(vinyl alcohol) irradiated by γ rays, 25:10591
NASAR, S. A. Electromagnetic energy conversion devices and systems, 25:16866
NASARYAN, A. A. Superhigh-energy particle detector based on using the radiation of a particle in a laminar medium, 25:18781
NASCIMBEN, P. Assessment of the U potential of Italy's main lignite deposits, 23:26376
NASCIMENTO, I. C. Gamma rays from ^{111}Sn and ^{114}In, 21:38327
Gamma-rays from ^{139}Pr and ^{143}Sm, 21:17382
Spectroscopic studies in SCS and (SCS-1) nuclei with Ge(Li) detector, 22:1667
NASCUTIU, T. Absolute measurement of ^{239}Pu fission cross-section for 2200 m/sec neutrons, 25:59777 (IFA-NR-33)
Decay of ^{154}Tb isomers with half lives of 8 and 24 hours, 23:42941
Existence of isomer of ^{176}Lu with T/sub $^{1}/_{2}$/ = 4HR, 22:20586
Paper chromatography of inorganic substances. IV, 22:16673
Paper chromatography of inorganic substances. V, 22:16674
Paper chromatography of inorganic substances. VI, 22:16675
Paper chromatography of inorganic substances. VIII, 22:30570
Radioactivation analysis of the inorganic ions of several textile fibers, 23:17385
NASH, A. E. Anomalous fading of CaF_2:Mn thermoluminescent dosimeters, 23:33538
Method for mounting powdered thermoluminescent samples with improved thermal contact, 21:23891
Spurious thermoluminescence of CaF_2:Mn and LiF(TLD-100), 21:26227 (CONF-650637-, pp 244-56)
Thermal quenching of luminescence in six thermoluminescent dosimetry phosphors. I, 23:7841 (CONF-680920-, pp 568-86)
Thermal quenching of luminescence in six thermoluminescent dosimetry phosphors. II, 23:7842 (CONF-680920-, pp 587-606)
Thermal quenching of luminescence in six thermoluminescent dosimetry phosphors. I, 24:5936
Thermal quenching of luminescence in six thermoluminescent dosimetry phosphors. II, 24:5937
Thermoluminescent dosimeters for personnel monitoring, 22:38103 (TID-24522)
Thermoluminescent dosimeters of lithium borate, 22:38104 (TID-24523)
Thermoluminescent lithium borate for dosimetry, 22:14856
Use of LiF-teflon discs for personnel accident dosimetry, 25:49191
NASH, C. Polarisation effects in the non-perturbative parton model of deep inelastic scattering, 25:53099
NASH, C. R. FFTF evaluation of conceptual features for reactor refueling system, 22:25077 (BNWL-683)
NASH, Charles P. Prog. rpt. on studies on electrically exploded wires, final, 5/67, 21:25823 (UCRL-13296)
NASH, D. Radioimmunologic quantitation of gonadotrophins, 24:34014
NASH, D. B. Proton bombardment-induced target temperatures and thermal accommodation coefficients of rock powders: measurements by infrared pyrometry, 23:41761 (N-69-25406)
NASH, D. L. Controlled-atmosphere dc arc for the quantitative determination of rare earths in calcium fluoride, 21:5821
Determination of trace amounts of rare earth impurities in yttrium oxide, 22:22950
NASH, Donald J. Effects of prenatal irradiation on development of inbred and hybrid mice, 25:44902
Effects of radiation at weaning on growth of inbred and hybrid mice, 23:31926
Lifespans of mice exposed to embryonic x irradiation, 21:6690
Lifetime reproductive performance of mice exposed as embryos to x-irradiation, 24:34682
Neonatal irradiation and postnatal behavior in mice, 24:19358
Radiation-induced cataracts in genetically differentiated mice, 25:19116
Radiosensitivity of the immature mouse, 24:23331 (CONF-690501-, pp 449-52)
NASH, Donald R. Transplantation antigens and viral carcinogenesis, 25:2537
NASH, Douglas B. Luminescence and reflectance of Tranquillity samples, 24:21546
Potassium—uranium systematics of Apollo 11 and Apollo 12 samples, 25:16741
Potassium—uranium systematics of Apollo 11 and Apollo 12 lunar samples and of some deep earth rocks, 25:35830
Proton-irradiation darkening of rock powders, 21:29103
NASH, G. F. Mass-18 nuclei, 22:48467
Three-body forces and the binding energy of light nuclei, 23:37129
Three-body forces and the binding energy of light nuclei, 24:45746
NASH, Geoffrey James Chetewoode Containers for transporting radioactive and/or fissile materials, 23:17740
Improvements in containers for transporting radioactive materials, 21:32358
NASH, J. C. Cyclic labeling of mammalian cell DNA after x-irradiation, 24:4571
NASH, J. H. High-density tungsten spheres, 23:3032 (Y-1654)
NASH, J. Thomas Geologic limitations on the age of U deposits in Jackpile Sandstone, New Mexico, 21:8470
Uranium deposits in the Jackpile Sandstone, New Mexico, 23:6233
NASH, John Thomas Geology and U deposits of Jackpile Mine Area, Laguna, New Mexico, 22:23176
NASH, R. New approach to scan system evaluation, 23:14218 (ORO-2401-22)
NASH, R. T. Interval determination and radioisotope scanning, 23:14217 (ORO-2401-15)
NASH, T. Comments on Yuta-Okubo eta asymmetry mechanism, 23:10738
Dalitz-plot distribution of decays eta $\rightarrow \pi^+\pi^-\pi^0$ and eta $\rightarrow \pi^+\pi^-\gamma$, and the branching ratio eta $\rightarrow \pi^+\pi^-\gamma$/eta $\rightarrow \pi^+\pi^-\pi^0$, 24:45408
Determination of the photoproduction phase of phi mesons, 25:47706 (DESY-71/26)
Experimental test of C invariance in eta $\rightarrow \pi^+\pi^-\pi^0$, 22:41724
Experimental test of C invariance in eta $\rightarrow \pi^+\pi^-\gamma$, 22:41725
NASH, T. Robert Decision process employing radioisotope scanning, 24:41920
NASH, Thomas Search for evidence of $\omega \rightarrow \pi^+\pi^-$ in $\pi^-p \rightarrow \pi^+\pi^-n$ and a study of $\omega \rightarrow \pi^+\pi^-\pi^0$ Dalitz plot, 24:40265 (NEVIS-182)
NASH, W. F. Analysis of performance of automated, high resolution magnetic hodoscopes, 21:14454
Correction of cosmic-ray energy spectra for instrumental noise, 22:29316
Cosmic ray muon intensities at 80° to the zenith, 23:22947
Design of cosmic-ray muon spectrometers, 24:11844
Direct production of muons in cosmic rays, 22:20202
Momentum spectrum of muons at sea-level in range 3 to 1000 GeV/c, 22:24076
Positive—negative ratio of muons at sea level in range 3 to 360 GeV, 22:24075
NASHIMOTO, Hiroko Inactivation and photoreactivation induced by ultraviolet radiation, 22:40975
NASHIYAMA, Isamu Heavy-particle ray damage to a Si solar battery, 25:55099
NASI, M. Thermal resistance and stability of Al—3 percent Mg alloy tubes, 23:12324
NASIBOV, A. S. Cable transformer for formation of high-voltage pulses of several nanoseconds duration, 22:45349 (CERN-Trans-68-5)
NASIKANOVA, N. N. Recrystallization of a strongly deformed monocrystal of molybdenum, 25:55518
NASIM, Anwar Origin of complete and mosaic mutants from mutagenic treatment of single cells, 21:16322
Repair-mechanisms and radiation-induced mutations in fission yeast, 22:51534
NASIM, M. Environmental aspects of Karachi Nuclear Power Plant, 25:28626
NASINI, M. Noninjecting back-contacts in surface barrier silicon detectors, 21:36389
Preliminary results on holes preferential trapping in high resistivity Si surface barrier detectors, 22:49079
NASIR, H. M. Conversion-electron particle parameters in the decay of ^{152}Eu and ^{154}Eu, 21:46757
NASIR, Hanna Musa Conversion electron particle parameters in decay of ^{152}Eu and ^{154}Eu, 22:42067
NASIR, M. J. Growth of single crystals of Zircaloy-2, 21:4922
NASIRAU, R. A. Optical density of muscle mitochondria in irradiated animals, 25:592
NASIROV, R. A. Optical density of sarcosomes in animals following ionizing radiation, 25:35227
NASISE, J. Isotopic effects on thermal expansion of LiH, 24:27093
NASJLETI, Carlos E. Chromosome damage after treatment with cysteamine, 24:12050
NASKALI, Richard J. Phenological investigations of Neotoma open valley bottom old-field vascular plant species, 21:39374 (TID-23858(Pt.9))
NASKALI, Richard John Effects of acute gamma radiation on chrysanthemum inflorescence morphogenesis, 25:11311
NASKIDASHVILI, I. A. Apparatus for dilatation of microspecimens in low temperature channels of reactors, 25:8123
Defect annealing in neutron irradiated niobium, 25:27269
Effect of neutron irradiation on the magnetic characteristics of ferromagnetic materials, 22:44269
Gamma radiation effects on spectrum of aluminum mechanical relaxation at temperature range from 150 to 300°K, 21:36898
Low-temperature loop with shuttle at IRT-2000 reactor, 23:37660
Radiation growth of uranium at low burnups, 24:42169
NASLAIN, R. Boron—scandium system, 24:27896
Nonstoichiometric hexaboride of thorium Th/sub 1-x/B_6, 25:43003
NASLAIN, Roger Crystal structure of phi phase in B—Na system, 24:21439
Crystal structure of the boron—thorium system. A new boride with type YB_{66} structure, 25:27301
Electronic structure of some hexaborides of the CaB_6 type, 25:14463
Some new boron-rich phases in the system boron—thorium, 22:36545
Specific heat at low temperature for several CaB_6 type hexaborides, 24:3020
NASONOV, A. V. High power rf ion source, 21:7616
Hydrogen ion accelerator, 21:1002
NASONOV, V. S. Phase fluctuations of the signal of a travelling wave tube generator with superconducting resonator, 25:11853
NASONOVA, G. I. Salting out at extraction of acids and some radioactive elements. III, 23:40807
Salting out at solvent extraction of acids and some radioactive elements. IV, 25:2335
Salting out during extraction of acids and some radioactive elements. II, 23:28965
NASPITZ, Ch. K. Radioprotective action of phytohemagglutinin, 23:48083
NASR, M. Numerical solution for the thermal flux spectrum in a monatomic moderator, 25:37120 (UARAEE-69)
Upward and downward scattering kernels for thermal neutrons, 25:37123 (UARAEE-80)
NASRA Determination of trace elements by neutron activation analysis, 25:51404 (A/CONF.49/P-110)
NASRA, M. Simultaneous determination of Sb, As, and Cu by neutron activation, 25:54515
NASRALLAH, N. F. Collinear dispersion relations and K/sub e4/ decay rate, 25:9747
Consistency conditions in current algebra and the existence of the sigma-meson, 23:32707
Dispersion calculation of the π—π scattering lengths, 23:13093
Extrapolation from soft-π and -K limits in K/sub l3/ decay, 25:25392
Relation between vector and axial-vector Cabibbo angles in broken SU_3 symmetry, 22:15746
Vector renormalization in K/sub l3/ decay, contribution of axial vector mesons, 25:53104
Width of A_1 meson from current algebra, 24:52076
NASRALLAH, Nasrallah Fares Algebra of currents in weak interactions. I and II, 23:1620
NASRAT, G. E. Effect of maleic hydrazide on mutations induced by gamma radiation in Drosophila, 21:24396
Effect of pretreatment with maleic hydrazide of mutation rate induced by gamma radiation in Drosophila melanogaster, 22:14994
Studies on natural populations of Drosophila. VII, 24:44585
NASS, C. R. Backscattering of alpha particles from thick metal backings as a function of atomic weight, 22:38011
NASS, Gerald I. Radiation-curable compositions, 25:29114
NASS, H. W. Diversified instrumental nuclear analysis methods using a reactor, 24:25
Possible problem in determining oxygen in silicon by fast neutron activation analysis, 25:29021
NASS, Harold W. Rapid determination of thorium air filters by neutron-activation analysis, 22:37655 (UCRL-18140, pp 91-9)
Urinalysis for ^{235}U and ^{238}U by activation analysis, 21:6502
NASS, S. Incorporation of ^{32}P into mitochondrial and nuclear DNA in regenerating liver, 21:41364
NASSANO, R. N. Comparison of measured and calculated internal radiation environment for the NRX reactors, 21:8021
NASSAR, Mohamed Shawky Fahim Neutron thermalization in water using spherical geometry, 22:11892

- NASSAR, S. F. RAM-1, multigroup neutron diffusion code for IBM-1130, 25:36651 (UARAEE-107)
  - SAVE: two group code for reflector savings of completely reflected cylindrical reactor, 25:37128 (UARAEE-96)
  - Thermal flux distribution and reflector saving measurements in UA-RR-1 reactor core, 25:39313 (UARAEE-99)
- NASSAR, Shawky F. Pulsed-neutron diffusion parameters in spherical water systems, 23:8917
- NASSAU, K. Cupric oxide—molybdenum oxide phase diagram, 23:22679
  - Electronic properties of two new elemental ferromagnets: fcc Pr and Nd, 23:34502
- NASSER, Essam Fundamentals of gaseous ionization and plasma electronics, 25:52794
- NASSIBIAN, G. Rf accelerating system for CERN PS booster, 25:50329
- NASSIFF, S. J. Branching ratio of ^{87}Y, 22:1615 (ORNL-tr-1796)
  - Cross section and yield relations for the isomeric pair /sup 90m/Y/^{90}Y obtained by the (d,p) reaction, 25:12428 (CNEA-278)
  - Cross sections and isomer ratios for isomeric pair /sup 90m/Y and /sup 90g/Y in ^{89}Y(d,p) reaction, 25:25678
  - Cross sections for nuclear reactions produced by deuterons on tantalum, 25:12513 (CNEA-269)
  - Effective cross sections for deuteron induced reactions in Rh, 21:29959 (IAN-F-2)
  - Excitation functions ^{159}Tb(d,p)^{160}Tb and ^{159}Tb(d,4n)^{157}Dy, 25:12595
  - Excitation functions for the nuclear reactions ^{159}Tb(d,p)^{160}Tb and ^{159}Tb(d,4n)^{157}Dy, 25:31301 (CNEA-283)
  - Isomer ratios for /sup 87m/87/Y formed by reaction ^{90}Zrn, 22:27128
  - Isomeric yield ratios in nuclear reactions, 24:47684
  - Production of radioisotopes in reactor IAN-R1, 22:40321 (IAN-Q-6)
  - Relations of cross sections for formation of isomers /sup 87m/Y and ^{87}Y in nuclear reaction ^{90}Zr(d,αn), 23:13261 (CNEA-214)
  - Separation of tellurium nuclear isomers in dimethyltellurium diiodide and dimethyltellurium picrate, 22:25475
  - Separation of tellurium nuclear isomers in tellurium diiododimethyl and tellurium dimethyl picrate, 22:33485 (IAN-Q-7)
- NASSIFF, Sonia F. J. Function of excitation for the reactions of ^{181}Ta(d,p)^{182}Ta, ^{103}Rh, (d,2p)^{103}Ru, and ^{197}Au(d,p)^{198}Au, 24:38773 (PRNC-135, pp 189-94)
- NASSIKAS, John N. Public participation in locating facilities, 25:60004
- NASSOS, G. P. Propagation of density disturbances in an air—water flow, 21:43173
- NASTA, A. Study of irradiation effects on mitosis in lucerne in R_0, R_1, and R_2, 25:26732
- NASTASE, Ligia Conference on phenomena in ionized gases, Bucharest, 9/69, 24:8426
- NASTASE, M. Action of whole-body irradiation on the metabolism of triiodothyronine—^{131}I, 22:6760
  - Comparative study of histopathology and incorporation of ^{14}C-vitamin K_3 with radiosensitivities of rats, 22:49396
  - Effect of radioprotective agents on distribution of triiodothyronine ^{131}I, 22:33895
  - Experimental data on cysteine—copper interaction during radioprotection, 22:19387
  - Mechanism of AET radioprotection, 22:21551
  - Radiosensitization by monoiodoacetic acid. I, 22:45618
  - Radiosensitizing mechanism of monoiodoacetic acid, 23:18101
- NASTASE, M. Gr. Interference of compton effect in radiological defectoscopy, 24:44220
- NASTASE, Marin Determination of the exposure time in industrial radiography, 25:15862
- NASTASI, Maria Jose C. Construction and operation of a proportional gas flow counter, 24:7627 (IEA-157)
- NASTEV, G. Late CNS sequelae of x irradiation, 21:8884
- NASTOYASHCHII, A. F. Approximate diffusion theory of thermoemission converters, 22:2881 (IAE-1160, pp 3-14)
  - Function of electron distribution in inhomogeneous slight-ionized plasma, 22:52789
  - Ionization equilibrium in a plasma diode, 22:45997
  - Knudsen low-voltage discharge with a hot cathode, 22:3040 (IAE-1160, pp 15-28)
  - Knudsen low-voltage discharge with hot cathode, 21:37225
  - Theory of low-voltage arc in Cs vapor, 22:3041 (IAE-1160, pp 29-42)
  - Theory of low-voltage arcs in short gas gaps, 22:46176
- NASTOYASHCHIY, A. F. Approximate diffusion theory of thermionic converters, 21:39847 (JPRS-42212)
- NASTRI, G. Data reduction programs for total cross section experiments, 24:35807 (EUR-4456)
  - Effect of laser photocoagulation on the protein content of the vitreous fluid, 24:46583
  - Effect of laser photocoagulation on the electrolyte content of the ocular fluids, 24:46584
  - Efficiency calculations for a recoil proton counter with collimator, 23:7754
  - Total neutron cross-section of ^{233}U from 0.7 to 320 eV, 25:15079
- NASU, Nobuji Engineering geology near site of atomic power station at Tsuruga. I, 24:2309
  - Engineering geology near site of atomic power station at Tsuruga. II, 24:14057
- NASU, Saburo Effect of small additional Co elements in Cu-2 wt percent Be alloy, 23:38994
  - Moessbauer effect study in Cu—12.6 percent Be—0.2 percent Co—0.1 percent Zn alloy, 23:14369
- NASU, Shoichi Magnetic susceptibilities of cubic UO/sub 2 + x/ at high temperatures, 21:9660
  - Magnetic susceptibility of uranium carbonitride, 24:32922
  - Thermal diffusivity of U by laser pulse method from 20° to 850°C, 22:31946
  - Thermal diffusivity of UN from 20° to 1000°C by laser pulse method, 22:40087
- NASU, Toshiko Spectrophotometric and fluorimetric determination of sulfate using Th-flavonol complex, 24:29206
- NASUNO, Seiichi Isolation of highly proteolytic mutants from Aspergillus sojae, 24:34240
- NASYROV, F. Average cross sections of (n,2n), (n,p), and (n,α) reactions for fission neutrons, 23:15402
  - Cross sections and angular anisotropy of fission fragments for fission of some isotopes Pu, Am, and Cm by fast neutrons, 21:31825
  - Experimental determination of the amount of fast neutrons in the fission spectrum, 22:50620
  - Gamma-radiation of B, C, N, O, F, Al induced by 14 MeV neutrons, 22:48463
  - Ionization chamber for recording fission fragments in high alpha-activity background, 21:293
- NASYROV, F. Kh. Long-lived gamma activity of fission products in a uranyl sulfate solution, 23:35253
- NASYROV, G. A. Dimensions of inhomogeneities of the green line of atomic oxygen in airglow, 21:24992
  - Effect of geomagnetic activity on atomic oxygen emission, 25:47443
- NASYROV, Yu. S. Mutagenic action of laser radiation on seeds of Arabidopsis thaliana (L) heynh, 25:11027
- NATAF, B. M. Fetal rat thyroid gland in organ culture, 23:50320
- NATAF, R. Application of current communication rules to nonleptonic decays, 22:3356
  - Introduction to current algebra, 23:49087
  - Resonance in high-energy physics, 25:41005
- NATALE, E. Action of ionizing radiations on CNS, 25:13561
- NATALI, A. H. Effect of gamma radiation on castor beans, 21:26680
- NATALI, P. G. Immunological detection of thymidine photoproduct formation in vivo, 25:44781
- NATALI, S. Analysis of K^+/sub e3/ decay X2, 25:56409
  - Form factors in K/sub μ3/$^+$ decay, 23:44589
  - Measurement of K/sub μ3/$^+$ decay parameters, 25:14534
- NATANAGARA, Hussein Mounting assembly for radiation detector tubes of various sizes and sensitivities to radiation, 22:10571
- NATANSON, L. Fission of ^{197}Au by 13.4 MeV deuterons, 21:27582
  - Fission of ^{197}Au by 13.4-MeV deuterons, 21:29961 (INR-772/I/IA/PL)
- NATANSON, Ludwik Elementary particles, atomic nucleus, and radioactivity, 23:49026
- NATAPOV, B. S: Effect of boron and cerium on mode of distribution of excess carbides at grain boundaries in ZhS-type complex nickel-base alloy, 21:36867
- NATARAJAN, A. T. Biological effectiveness of intermediate neutrons, 24:12055
  - Factors affecting induction of chromosome aberrations by radiation, 22:14984
  - Gamma and neutron-induced lesions in barley, 25:47045
  - Identification of irradiated strawberries, 24:937
  - Induction of variability for spikelet sterility in Hordeum, 21:22795
  - Killing and mutagenic action in E. coli associated with Auger effect during ^{125}I decay, 25:8654
  - Polyploidy and radiosensitivity, 21:24388
  - Radiation induced chromosome aberrations in rye, 25:16099
  - Response of some varieties of hexaploid wheat and a two-rowed barley variety to chronic gamma-irradiation, 25:42724
- NATARAJAN, P. R. Catalytic effect of ions on the rate of reaction between Pu(III) and chlorine in chloride solutions, 21:23855 (AEET-275)
  - Chemical methods of analysis of plutonium: a literature survey, 24:11421 (BARC-422)
  - Decomposition of brown peroxy complex of Pu(IV) in $HClO_4$, 25:2154
  - Disproportionation of Pu(V) in oxalate medium, 23:119
  - Peroxy complexes of Pu(IV) in perchloric acid, 23:118
  - Studies on disproportionation of Pu(V) in oxalate medium, 23:7508
- NATARAJAN, R. Sudden commencement of November 13, 1960, 21:43908
- NATARAJAN, T. K. Computer assistance in the interpretation and quantification of lung scans, 25:24231
  - Construction of a functional image, 24:21232
  - Data storage, processing, and display system for radionuclide imaging, 23:33426
  - New IDA system for radionuclide imaging, 24:7961
- NATELSON, M. Angle-space synthesis: an approach to transport approximations, 21:29841
  - Comparison of synthetic kernel transport results, 24:22483
  - Computer code TWIGL, 22:46710
  - JITER: program for computation of statistical parameters measured in reactor fluctuation experiments, 23:40447 (WAPD-TM-877)
  - Measurements and design model analysis of space-correlated reactor fluctuations, 22:32877
  - REDUX: FORTRAN IV program for calculation of statistical parameters from count samples measured in reactor fluctuation experiments, 24:4154 (WAPD-TM-811)
  - Space-correlated reactor fluctuations, 24:24910
  - Strategy for the application of space-angle synthesis, 21:38203
  - Strategy for the application of space-angle synthesis to practical problems in neutron transport, 22:14305
  - Synthesis of three-dimensional problems using transport trial functions, 24:7283
  - TWIGL: program to solve two-dimensional, two-group, space-time neutron diffusion equations with temperature feed-back, 22:29834 (WAPD-TM-743)
  - Two-overlapping group-transport approximation for thermal neutron problems, 24:43094 (WAPD-T-2341)
  - Two-overlapping-group transport approximation for thermal-neutron problems, 24:33516
  - Variances and covariances of neutron and precursor populations in time-varying reactors, 22:18609
  - Variances and covariances of neutron and precursor populations in time-varying reactors, 23:15724
  - Variational derivation of discrete ordinate-like approximations, 25:12858
  - Versatile eigenvalue method for calculating anti β/sub i/ with BE-21, 24:28998 (WAPD-TM-941)
- NATELSON, Michael Analysis of space and energy effects in reactor fluctuation experiments, 22:6191
- NATELSON, N. Variational derivation of discrete-ordinate-like approximations, 23:4431
- NATELSON, Samuel Densitometer for S content of protein, 22:2453 (ORNL-IIC-10(Vol.1), pp 282-97)
- NATERA, M. G. Neutron diffraction studies on MnAl, Mn_3Ni_2C, and $MnZn_3$, 21:18285
- NATESAN, K. Calculations of the thermodynamic driving force for carbon transport in sodium-steel systems, 24:29933 (ANL-7646)
  - Thermodynamic and kinetic aspects of carbon transport in sodium—steel systems, 25:4755
- NATESH, R. Irradiation behavior of U—Pu—Zr fuel elements in EBR-II, 24:7186
  - Migration of plutonium and uranium in mixed-oxide fuels irradiated in a fast flux, 25:40139
  - Performance of mixed-oxide fuel elements, 23:36280
  - Transfer and analysis of highly radioactive materials, 24:475
- NATH, A. Absolute (n,2n) cross sections of nuclei near 14 MeV, 25:50662
  - Delbrueck scattering effect in the coherent scattering of 2.62-MeV gamma rays, 21:2777
  - Direct observation of isotopic exchange in the solid state, 24:9296
  - Empirical formula for the coherent scattering cross section of gamma rays, 21:14945 (CONF-660221-, pp 260-4)
  - Measurement coherent scattering cross-sections at very low momentum transfer, 25:49751
  - Measurement of (n,2n) cross sections of fast neutron, 22:32536
  - Measurement of the photoelectric cross section of Pb for ^{54}Mn photons, 21:14944 (CONF-660221-, pp 265-7)
  - Moessbauer studies of after-effects of Auger ionization, 24:20842
- NATH, Amalendu Coherent scattering of gamma-rays, 22:5912
- NATH, Amar Annealing behavior of low temperature neutron-irradiated tris-acetylacetone cobalt(III), 21:3083 (AEET-256)
  - Annealing of neutron-irradiated tris-acetylacetone cobalt(III) in oxygen and nitrogen, 21:14274
  - Effect of added electron donor and acceptor on solid-state exchange in ^{57}Co^{2+}-doped tris-dipyridyl Co(III) perchlorate trihydrate, 23:114
  - Effect of pre-heating on thermal annealing in neutron irradiated tris-acetylacetone Co(III), 23:312
  - Photoexcited isotopic exchange in the solid state: ^{57}Co^{++}-doped Co chelates, 21:19603
  - Role of detrapped electrons in the radiolysis of crystalline choline chloride, 25:39536
  - Studies of thermal annealing of neutron-irradiated tris(dipyridyl)cobalt (III) perchlorate, 21:36025
  - Thermal annealing and thermal exchange in a few neutron irradiated and ^{60}Co^{2+} doped ethylenediaminetetraacetate chelates respectively, 23:21733
  - Thermal annealing of neutron-irradiated tris-dipyridyl Co(III) perchlorate, 21:35984 (AEET-271)
- NATH, G. Rayleigh problem in slip flow with transverse magnetic field, 25:35950
- NATH, L. M. Determining off-shell ππ amplitudes from $\pi^-p \rightarrow \pi^-\pi^+n$, 25:41011
  - Forward peak in the reaction $\pi + N \rightarrow$ rho + Δ, 23:15132
  - Homogeneous Lorentz group and reaction $\pi^-p \rightarrow$ etan at large momentum transfer, 23:8835
  - O(3,1) symmetry and conspiracy in photoproduction of pions at high energy, 23:3778
  - O(3,1) symmetry and conspiracy in reaction $\pi + n \rightarrow$ rho + Δ at high energy, 23:25638
  - O(3,1) symmetry and the reaction $\pi + N \rightarrow$ rho + N at high energy, 24:8662
  - $O_{3,1}$ symmetry and production of Δ^{++}(1238) at high energy, 22:41813
  - Partial-wave analysis of the reaction $\pi^-p \rightarrow$ etan in terms of the homogeneous Lorentz group, 22:7516
  - SU_3 and hyperon decays, 21:27347
  - Uniqueness of interaction involving spin-$^3/_2$ particles, 25:33743
- NATH, M. Anomalous pulse spectrum of a plastic scintillator at sea level, 25:35010
- NATH, N. Analysis of ^{127}I(n,n'γ) reaction data, 25:43914
  - Analysis of neutron scattering data on ^{93}Nb, 24:15884
  - Gain stability in high-current photomultipliers at high variable counting rates, 21:36454
  - Gamma-ray angular distributions in ^{209}Bi(n,n'γ) reaction up to E/sub n/ = 2 MeV, 22:27208
  - Level schemes of ^{121}Sb and ^{123}Sb through neutron scattering, 22:27153
  - Nanosecond lifetimes of excited states through neutron inelastic scattering with intense pulsed beams, 22:32728
  - Neutron inelastic scattering in ^{206}Pb and ^{207}Pb, 23:34791
  - Spark counter, 24:11816
  - Spectroscopic information on ^{127}I levels through neutron scattering, 22:5842
  - Spin and parity assignments in ^{93}Nb, 24:26656
  - Suitable optical model parameters for evaluation of neutron cross sections below 2 MeV, 25:50858
  - Width—fluctuation effects in (n,n') reaction differential cross sections, 23:19267

NATH, N. R. Isobars in the deuteron, 25:38758
NATH, Nitya Ranjan Pion production and pion—nucleon scattering, 22:24670
NATH, Omkar Periodic energization of electrons due to EM waves propagating through magnetoplasma. I, 25:24977
Resonance mechanism for energization of electrons in magnetoplasma. III, 25:52716
NATH, P. Amplitudes with Mandelstam analyticity and dual structure, 24:30603
Analysis of π-N phase shifts via a new Regge representation, 21:2475
Application of hard-pion four-point functions to pion—pion scattering, 23:5616
Application of hard-pion three-point functions, 23:3722
Bootstrap studies of the rho meson and the "generalized potential" of the modified Cheng representation, 21:18982
Chiral algebra, chiral breakdown, and xi parameter of K/sub l3/ decay, 25:14645
Chiral algebra, meson dominance, and soft-pion evaluation of g/sub rho/, 22:24639
Current algebra and vertex functions, 22:1399
Faddeev equations with inelastic processes, 21:9858
Field-current identity, partially conserved currents, and Veneziano mode, 23:30748
Hard meson analysis of photon decays of π^0, eta, and vector mesons, 23:1611
Hard-meson current algebra analysis of K/sub l3/ decay, 23:32689
Hard-pion calculation of π—π scattering, 22:17945
Hard-pion current-algebra calculation of meson processes, 23:3721
Hard-pion current-algebra calculation of meson processes: N-point functions, 23:5617
Lagrangian approach to dual pion amplitudes, 25:14697
N-point functions in chiral SU(3) x SU(3) current algebra, 25:14664
Spin-zero pole dominance in weak and electromagnetic interactions of K-meson, 25:53103
Theory of Reggeized bootstraps. III, 21:31544
Uncoupled-phase method with many perturbing channels, 21:9864
Veneziano amplitude, current algebra, and vertex functions, 24:37758
NATH, Pran Asymptotic behavior of form factors, 21:42352
Double bootstraps, 21:7490 (UCRL-14498-T)
Generalized potential for the pion—nucleon system, 22:20268
Hard meson current algebra techniques and applications, 24:8699
Inelastic unitarity effects on composite systems, 21:18981
Is the nucleon a πN bound state, 21:9795
Reggeized bootstrap of K* meson, 22:5670
Reggeized bootstraps, 21:18980
NATH, R. 90° polarization of photoneutrons from deuterium at photon energies between 5 and 40 MeV, 25:53534
Pion production, current algebra, and coupling-constant relations, 22:44436
NATH, R. J. Chemical shim control of CVTR, 21:31931 (CVNA-290)
CVTR fuel management, 22:35427 (CVNA-287)
Power distribution control using excore detectors, 25:51055
Reactor core measurements at connecticut yankee and zorita, 24:40727
NATH, Raymond J. CVTR Core I nuclear operations, 21:30130 (CVNA-280)
NATHAN, A. Approaching nuclear power, 21:35606
Nuclear plant protective systems, 22:18485
Nuclear plant protective systems, 22:25024
Nuclear plant protective systems: safety with reliability, 22:22743
NATHAN, Ami Zvi Vertical dispersion of radioactive fallout (1963), 21:14332
NATHAN, David G. Leukemia as a complication of polycythemia vera, 21:13025
New methods of counting of ^{14}C-labeled hemoglobin and hemin, 22:40547
NATHAN, K. V. S. K. Diffusion of solar cosmic rays and the power spectrum of the interplanetary magnetic field, 22:13282
NATHAN, M. E. Fine tuning an FBR fuel modeling code, 25:34366
Thermal performance of fuel rods and the performance of LMFBR's, 25:34370
NATHAN, O. (t,p) Reactions on ^{112} ^{124}Sn and pairing model, 23:37208
Investigation of the structure of the nucleus by means of reactions caused by ^{3}H nuclei, 22:1745
Neutron transfer reactions on ^{204}Hg, 24:49875
Nuclear spectroscopy with ^{204}Pb, 21:12061
Proton pick-up from the even calcium isotopes, 22:50590
Proton quasi-particle states in ^{143}Pm, 22:32657
Proton-hole states in ^{47} ^{49}K, 21:29950
Reaction (t,p) with even isotopes of Ca, 21:44613
Reaction ^{207}Pb(d,pγ_0)^{208}Pb at 10 MeV, 22:18276
Reaction ^{209}Bi(t,α)^{208}Pb, 22:9888
Reactions ^{116} ^{118}Sn(t,p)^{118} ^{120}Sn, 22:20620
Reactions ^{203} ^{205}Tl(α,t)^{204} ^{206}Pb, 22:20614
Reactions ^{207} ^{208}Pb(t,p)^{209} ^{210}Pb and the two-particle-one-hole states of ^{209}Pb, 22:32613
Two-neutron transfer reactions, 24:24650
Vibrational states of ^{207}Tl, 23:23679
NATHAN, P. S. P. Instruction manual for constant velocity revolving absorber Moessbauer spectrometer, 24:9666 (BARC-412)
NATHAN, R. D. Excitation of Ar I and He I in low-energy He$^+$ + Ar collisions, 24:37228
Polarization of H/sub α/ line produced in He$^+$ + H$_2$ collisions, 25:35862
NATHANS, M. W. Density of fallout particles from airbursts, 22:2229
Determination of carrier-free promethium, 24:16451
Particle size distribution in clouds from nuclear airbursts, 25:13138
Separation of Am and Cm from rare earth metal carriers by electrophoresis, 22:33522
Separation of americium and curium from rare earth carriers by ion focusing electrophoresis, 21:5790
NATHANS, R. Critical and spin-wave fluctuations in nickel by neutron scattering, 23:39568
Critical magnetic scattering from KMnF$_3$, 21:6974 (BNL-9615)
Critical scattering of neutrons from RbMnF$_3$, 24:24167
High-resolution studies of the critical scattering of neutrons from iron, 23:46895
Inelastic magnetic scattering from RbMnF$_3$ in neighborhood of Neel point, 22:24818
Magnetic form factor of terbium, 21:40089
Magnon scattering of polarized neutrons by the diffraction method: measurements on magnetite, 21:15227
Neutron-diffraction studies of terbium, 21:21090
Phonon dispersion relation for HCP ^{4}He with molar volume of 21.1 cm^3, 22:39153 (BNL-12596)
Search for a neutron electric dipole moment by a scattering experiment, 21:37660
Spin densities, 21:31476 (BNL-11473)
Spin wave inelastic scattering on magnetic metals, 21:25172 (BNL-11281)
Spin-wave inelastic scattering on magnetic metals, 23:18726
NATHANS, Robert Electric dipole moment of the neutron, 23:18786
NATHANSON, B. Flavin-sensitized photodestruction of indoleacetic acid, 21:43352
NATHANSON, Bernard N. Dose verification studies in radium therapy of carcinoma of the cervix, 21:34666
NATHER, R. E. Flare in blue variable G44-32, 24:27907
Further observations of the Crab Nebula optical pulsar, 23:25055
Observations of pulsar NP 0532 in Crab Nebula, 23:30248
Optical pulsations in the Crab Nebula pulsar, 23:14486
Search for optical pulsations from the Vela pulsar, 23:27273
Wavelength independence of the velocity of light in space, 23:25127
NATHER, R. Edward Angular diameter of lambda Aquarii, 24:35025
DQ Herculis: synchronous photometry, 24:3070
Observations of rapid blue variables. I, 25:35674
Observations of rapid blue variables. II, 25:35675
Outbursts in white dwarf Haro—Luyten Taurus No. 76, 24:19554
Photoelectric measurement of lunar occultations. II, 24:35003
Photoelectric measurement of lunar occultations. I, 24:35004
Synchronous photometry of DQ Herculis, 23:32091
NATHER, Roy E. Radiation detection system with automatic sample counting rate determination, 25:42103
NATHRATH, Norbert Displacement of wall-stabilized electric arcs by curvature, 25:14269
NATHSCHLAEGER, P. Average fuel cycle cost of nuclear energy plants at different load factors, 24:16205 (SGAE-RT-22/1969)
Dynamic coordinate functions in burn-up-synthesis-calculations, 23:11348
Influence of long-term Pu value changes on fuel cycle costs, 21:25741 (SGAE-RT-10/1967)
Nuclear fuel demand forecasts for Austria, 24:43607 (SGAE-RT-31/1970)
Problem of numerical calculations for reactors, 25:28808
NATION, J. A. Application of intense relativistic electron beams to Astron-type experiments, 25:38492 (CONF-710607-12)
Ionization instability in propagation of high-current relativistic electron beams in gases, 25:47519 (AD-717399)
Microwave radiation emitted by a high-current relativistic electron beam, 25:22509
Prog. rpt. on high-altitude plasma physics, 1—3/70, 24:51488 (AD-706073)
Propagation of high-current beams of relativistic electrons in gases, 24:19885
Variation of rf response of Langmuir probe with amplitude and frequency, 23:42240
NATION, John A. Coupling of a high-current relativistic electron beam to a slow wave structure, 25:11932
Microwave radiation emitted by high-current relativistic electron beam, 24:51639 (AD-707086)
Microwave spectrum analysis, 24:37456
NATION, John Arthur Improvements in or relating to the measurement of plasma velocity, 21:3746
NATKANETS, I. Local modes in Li—Mg and Be—Cu alloys, 21:24747 (JINR-P3-3216)
NATKANIEC, I. Investigation of water molecules dynamics in crystallo-hydrates by inelastic neutron scattering, 22:38719 (INP-601/PS)
Local modes in Li—Mg and Be—Cu alloys, 21:27256
Molecular dynamics in gaseous and solid methane, 22:41287 (INP-608)
NATKE, Carol A. Enthalpy of formation of silicon carbide by fluorine bomb calorimetry, 24:25785
NATLAND, Manley L. Process for recovering petroleum utilizing a nuclear explosion, 24:36450
NATOLI, C. Perturbation theory in nuclear bound-state problem. I, 24:49933 (RT/FI-(69)55)
NATORI, Hiroo Uraniferous bed in Mizusawa area, 25:54806
NATORI, Makoto Structural model of the hydrated electron, 24:31321
NATOWITZ, J. B. Isomeric cross sections and yield ratios of (d,p) reactions below 15 MeV, 21:23519
Prog. rpt. on angular momentum effects in nuclear reactions, 4/68—12/68, 23:13264 (ORO-3785-1)
Prog. rpt. on angular momentum effects in nuclear reactions, annual, 1—12/69, 24:22148 (ORO-3924-4)
Prog. rpt. on angular momentum effects in nuclear reactions, 1—12/70, 25:23033 (ORO-3924-5)
Recoil study of ^{209}Bi(α,p)/sup 212m,g/Po reaction mechanism, 25:56799
Spontaneous fission isomers in reactions of ^{237}Np with 30 to 70 MeV ^{4}He, 24:13361
Temperature of Dy nuclei excited to 40 to 150 MeV, 24:30845
Test of Z^3 dependence of x-ray emission induced by α particles and deuterons, 25:16762
X-ray emission induced alpha particles, 25:12488
NATOWITZ, Joseph B. Calclated complete-fusion cross sections for 5 to 10.5 MeV/amu ^{58}Ni, ^{86}Kr, and ^{136}Xe projectiles, 24:40652
Detection of long-range fragments from decay of ^{252}Cf, 22:29997
Reactions Cd(^{40}Ar,xn)Dy, 24:22165
Reactions of heavy ions with Cu, Ag, Au, and Bi, 24:24603
NATOWITZ, Joseph Bernard Cross sections and isomeric yield ratios for (d,p) and (d,n) reactions, 21:7760
NATROSHVILI, G. R. Gamma-radiolysis of aqueous solutions of Na$_2$S, 25:10649
Investigation of γ-radiolysis of sodium thiosulfate, 24:29313
NATSIK, V. D. Dependence of the electron dislocation stopping power in a superconductor on temperature and velocity, 25:27648
Features of electron drag of dislocations in superconductors, 24:45171
NATSUME, H. Half-lives of some fission product nuclides, 25:20339
Systematic radiochemical analysis of fission products, 25:54449
NATSUME, Haruo Fission rate in JRR-4, 24:4096
NATTA, Antonella Stellar atmospheres models of K-giant stars, 25:16650
NATTA, Giulio Radiation polymerization of trans-1,3-pentadiene in perhydrotriphenylene, 21:45177
NATURSKA-TARGOSZ, Halina Role of subtraction in angiography, 24:46626 (TT-69-50002/4, pp 443-6)
NAUBERT, N. Results of subcritical experiments carried out on 5 percent enriched H$_2$O—UO$_2$ lattices, 22:35594 (EURAEC-1882(Annex))
NAUCHE, R. Method of autoradiography in α, β, γ hot cells under α shielding, 25:6504
NAUCHE, Roger System for radio autographs, 24:41679
Underwater x-ray apparatus, 23:9809
NAUCLER, L. Gamma-ray spectra from (d,pγ) reactions in ^{58} ^{60}Ni and ^{63} ^{65}Cu, 23:7270
NAUD, Gerard Contribution to research on hydrogenated and oxygenated impurities in liquid sodium, 21:17569 (EURFNR-30-F)
NAUDE, W. J. Analysis of reaction ^{39}K(d,α)^{37}Ar on the basis of the statistical model, 22:41992
Determination of carbon, nitrogen, and oxygen in gases by neutron time-of-flight spectrometry, 22:42612
Fast neutron facility at Pretoria cyclotron, 22:37257
Reactions (d,α) on nuclei in mass range 24 to 41, 24:3891
Reactions on light elements induced by charged particles elastically scattered by fast neutrons, 22:11910
NAUDET, G. Elementary phenomena in irradiated system, 25:24157
Measuring thermal conductivity of refractory materials, 25:29958
NAUDET, Gilbert Parameters of dosimetry and their expression, 24:25304 (CEA-R-3964)
Variation of total binding energy in irradiated molecular systems, 22:12389
Variations in bond energy in irradiated molecular systems, 22:50992 (CEA-R-3520)
NAUDET, R. Flux distributions in EL 4, 22:22764
Fuel burn-up: review of EACRP activities, 22:22880
Fuel management studies for EL 4, 22:22780
General position of heavy-water reactors, 22:30251
Interpretation of critical experiments with uranium—plutonium fuel elements, 22:22844
Measurements of bucklings by the progressive replacement method, 24:4152 (ANL-Trans-787)
Perspectives for heavy water reactors in the development of breeder—converter nuclear power plants, 24:24823
Prospects of water cooling in heavy water moderated reactors, 23:13494
NAUDET, Robert Handling grip, 25:60259
NAUDET, Roger EL 600: fuel management studies, 25:3866 (CEA-N-1379)
EL 600: study of core neutronic properties, 25:12775 (CEA-N-1395)
EL-600: neutronic study of core control systems, 25:34329 (CEA-N-1421)
NAUDIN, P. Methods of testing HTR thermal shielding, 25:31575 (EUR-4531, pp 953-64)
NAUDIN, Paul Marcel Thermal insulation for walls, 24:36093
NAUDON, A. Apparatus for central scattering of x radiation for use at low temperatures, 22:49169
NAUDUBOVICH, Yu. A. Structure of the diurnal auroral activity pattern at Tixie Bay, 21:46241
NAUENBERG, M. CP violation and $\pi^+\pi^-$ interference in neutral K decay, 21:29604
Current algebra, 23:10802
Divergence conditions and the equal-time current—current commutators, 21:18953
Divergence equations and current algebra, 21:42298
Implications of inelastic electron scattering data for vector meson dominance, 24:42906
Introduction to chiral symmetry and non-linear Lagrangians, 23:44659
NAUENBERG, Michael Inelastic electromagnetic nucleon form factors, 25:52995
Introduction to current algebra, 22:39309
Phenomenological analysis of inelastic nucleon form factors, 24:20100

Photon absorption in nuclei and vector-meson dominance, 23:18844
NAUENBERG, U. Comparison of the K$^+$ and K$^-$ decay rates into the tau and K/sub μ2/ modes, 21:29432
Determination of beta decay rate of the sigma hyperon and the ΔS = ΔQ rule, 22:34838
Isobar production mechanisms in proton—proton collisions at 5 GeV/c, 21:44270
NAUENBERG, Uriel Bubble chamber detection technique for gamma rays in momentum region below 1 GeV/c, 25:34964 (CONF-700623-(Vol.1), pp 555-66)
Magnetic field fit to the 30" BNL bubble chamber, 22:23319 (BNL-12374)
NAUGHTON, W. F. Pulsed neutron activation analysis system for short-lived radioisotopes, 24:164
NAUGHTON, William F. Fuel management program to optimize fuel utilization in TRIGA research reactors, 25:41555
Pulsed-neutron activation analysis system for short-lived radioisotopes, 25:12960
NAUGLE, D. C. Thickness dependence of the resistive transition of superconducting films, 23:3404
NAUGLE, D. G. Critical velocity measurement in superfluid helium by Doppler-shifted resonance splitting, 25:25017
Effect of thin Ge coating on superconducting transition of thin Sn and Tl films, 22:2975
Influence of dielectric films on superconductivity of thin Sn and Tl films, 21:20897
Size dependence of the superconducting transition temperature, 23:20854
NAUGOL'NII, N. N. Quantum field state of synchrotron radiation of a classical electron in a storage ring, 25:25361 (SLAC-Trans-125)
NAUGOL'NYI, N. N. Interference experiment and the photon statistics for the synchrotron radiation from electrons in the storage device, 24:49637
NAUGOLNYKH, K. A. Dynamics of vapor bubbles in liquid hydrogen and ultrasonic bubble chambers, 25:4371 (JINR-P13-5327)
Dynamics of vapour bubbles in liquid hydrogen in ultrasonic bubble chambers, 25:39756 (CERN-Trans-71-2)
Point electric discharge in a liquid, 22:34345
NAULLEAU, Georges Technique for labeling serpents with radioisotopes, 22:19432
NAUM, C. Magnetization of cobalt and permalloy, 22:19539
NAUM, Robert G. Thermal expansion of polycrystalline graphite, 25:11511
NAUMAN, C. H. Radiosensitivities of selected amphibians, 24:32195
NAUMANN, A. W. Low frequency motions in polymers as measured by neutron inelastic scattering, 22:24472
NAUMANN, D. Diffusion measurement in non-gas forming spallation products in uranium dioxide, 21:5019
Operational principle and construction of an oxygen electrode with oxide-ion conducting $Th_{0.8}Y_{0.2}O_{1.9}$ solid electrolyte membrane for potentiometric measurements in salt melts, 22:25350
Potentiometric measurements in fused salts, 23:26208 (AERE-Trans-1110)
Production of thin-walled thorium oxide ceramic bodies of high density by slip casting, 21:31073 (WAPD-Trans-61)
Production of U nitrides from U(III) chlorides, 22:13048
Reaction of uranium tetrachloride with alkali amides, 22:4141
NAUMANN, Dieter Ammonolysis of uranium halides. III, 24:50383
Experimental problems in determination of the solubility of uranium nitride in molten alkali metal chlorides, 23:2260 (ZFK-124)
Nuclear fuels, 21:19499
Preparation of thin-walled thorium—oxide ceramic bodies of high density by slip-casting, 21:3535
Process for the preparation of uranium nitride, 21:38878 (UCRL-Trans-10120)
UNCl as intermediate in ammonolysis of UCl_4, 21:45106
NAUMANN, H.-R. Spin of 921-keV level in ^{99}Tc, 24:49900
NAUMANN, P. Early form of the horomone phase in the radioiodine test, 24:50970
NAUMANN, Paul Filter for gas flowing in a hot cell, 24:36474
NAUMANN, R. Cathode-ray polarographic determination of trace elements in tin chlorides, 22:42600
NAUMANN, R. A. α-active isotopes of Hg, Au, and Pt, 24:49912
Decay of ^{103}Ag, 21:2712
Decay of ^{157}Tb, 21:40453
Decay of ^{163}Ho, 22:42027
Decay of ^{188}Au and ^{190}Au, 24:6903
Decay of ^{193}Pt, 24:11001
Decay of ^{205}At, 25:14995
E3 isomer in ^{105}Ag, 24:15932
E3 isomer in ^{105}Ag, 24:43402
Energy levels in some doubly even Ba isotopes, 22:16038
Energy levels of ^{133}La, 22:18228
Half-life and decay of ^{189}Au, 21:12054
Hindered E1 transitions in ^{159}Dy, ^{169}Tm, ^{171}Lu, ^{173}Lu, and ^{180}W, 22:1676
Hole-vibration coupling in ^{115}In, 25:12543
Isomeric transitions in /sup 179m$_2$/Hf, 24:52631
Isotope separator on-line at Princeton—Pennsylvania Accelerator, 24:45709
Levels in ^{134}Ba populated by decay of ^{134}Cs, 22:7731
Levels in ^{184}Pt, ^{186}Pt, and ^{188}Pt, 25:28425
Levels in ^{203}Bi, ^{205}Bi, and ^{207}Bi, 23:44888 (PPAR-15)
Levels in ^{203}Bi, ^{205}Bi, and ^{207}Bi, 24:15933
Levels in even—even ^{192}Hg, ^{194}Hg, ^{196}Hg, and ^{198}Hg, 22:53197
M2 isomer in ^{199}Au, 22:42038
Measurement of a spin 2 state in ^{101}Ag and decay of ^{102}Ag, 22:7729
Mercury-200 1029-keV level, 22:50602 (PPAR-5)
New high spin isomer /sup 179m2/Hf, 24:43356
New high-spin isomer /sup 179m$_2$/Hf and intraband branchings in the ground-state rotational sequence of ^{179}Hf, 24:38275
Nuclear spectroscopy of light platinum and mercury isotopes, 22:30031
On line isotope separator experiment at the Princeton Pennsylvania Accelerator, 25:44504 (BMBW-FBK-70-28, pp 49-56)
On-line studies of mass-separated xenon fission products, 22:22602
Prog. rpt. on nuclear chemistry, annual, 1965—66, 21:1079 (PPAD-593-E)
Prog. rpt. on nuclear chemistry, annual, 1966—67, 22:7702 (PPAD-631-D)
Prog. rpt. on nuclear chemistry, annual, 1967—1968, 22:53169 (PPAD-647-D)
Spin of 1029-keV level in ^{200}Hg, 23:25913
Studies of short-lived radioactive isotopes with on-line isotope separators, 24:16788 (PPAD-665-E)
NAUMANN, Robert A. ^{193}Pt L-electron-capture half-life, 25:50763
NAUMENKO, I. Nuclear weapons and defense against them, 22:12467 (UCRL-Trans-10197)
NAUMENKO, V. G. Conductivity and carrier concentration in silicon doped by means of ion bombardment, 22:41677
NAUMENKO, V. Ya. Electro-erosion resistance of refractory carbides within corresponding ranges of homogeneity, 25:58356
Hot pressing of the transition metals and their carbides in their homogeneity regions, 25:32698
Kinetics of sintering of niobium carbide by hot pressing in the homogeneous region, 25:38001
Preparation and properties of carbides of transition metals in their homogeneity range, 25:52430
Preparation of carbides of the Groups IV and V transition metals, 25:32784
Work function of titanium and niobium carbides in the homogeneity region, 25:33458
NAUMENKO, Yu. I. Use of EDTA preparations labelled with ^{51}Cr and ^{169}Yb in radioisotope diagnosis, 25:55272
NAUMENKOV, P. A. Determination of absorption coefficient of plasma with use of gaseous OKG, 22:41567
NAUMESCU, Adriana Colorimetric determination of Ce^{4+} by o-aminophenol, 25:34530
NAUMESCU, M. Stars (β) and mixed (α, β) multiple stars, 23:8983
NAUMKIN, O. P. Anisotropy of Hall effect and electric resistance of Sc single crystal, 24:12892
Constitution diagram of Fe—Sc, 24:8136
Investigation of rare-earth metal single crystals and alloys, 22:705
Phase diagram and properties of hafnium—scandium alloys, 21:36874
Phase diagram of scandium—oxygen, 24:14787
Phase diagram of system V—Sc, 25:37973
Phase diagrams and properties of La—Sc alloys, 25:19241
NAUMOV, A. A. Beginning of experiments on positron—electron storage ring VEPP-2, 21:33828
Check of quantum electrodynamics in electron-electron scattering, 22:20109 (NP-17322)
Device for synchronization in accordance with the energy of the moment of injection of charged particles into an accelerator, 22:9722 (AD-660393)
Electron—electron scattering at 2 x 135 MeV, 22:11815
Electron—electron scattering at energy of 2 to 135 MeV, 21:33166
Experimental results on beam—beam interaction, 21:29747
Injection and accumulation of positrons, 21:33826
Nonferrous accelerator of charged particles, 21:19098 (AD-646930)
Proton synchrotron (70-GeV) at Serpukhov, 23:19103
System of slow targeting of accelerated beam on internal targets of 70 GeV accelerator, 25:45835 (IFVE-SKU-70-57)
Test of the quantum electrodynamics by electron—electron scattering, 22:13712
NAUMOV, A. I. Causality function in a four-fermion model with an indefinite metric, 25:9741
Field theory with semi-definite metrics, 22:32202
Indefinite metrics and perturbation theory. II, 22:26586
Perturbation theory and the indefinite metric, 22:9593
Preliminary results of 2.11-mm observations of discrete radio sources, 22:36576
Radio emission of Venus and Jupiter at 2.25 and 8 mm, 23:41906
Radio intensity variations of 3C 273 at 2.3 and 8.15 mm, 25:58524
Solar radio emission at 2.25 mm and 8.15 mm wavelengths, 23:46203
Unitary symmetry classification of leptons, 22:17993
NAUMOV, A. N. Diffusion and isotope effect of lithium-ion diffusion in crystalline silver chloride, 25:5172
Ionic mobilities of ^{6}Li$^+$ and ^{7}Li$^+$ isotopes in LiF single crystals, 22:46275
Methods for the determination of the isotope diffusion effect under conditions of electro-transport in a solid body, 21:27241
NAUMOV, A. P. Inelastic hadron scattering, 24:24385
Inelastic hadron scattering in the quark model factorizability hypotheses, 23:42671 (ITF-69-28)
NAUMOV, G. B. Hydrolysis of uranium ions at elevated temperatures, 21:21932
Hydrolysis of uranyl ions at elevated temperatures, 22:33311
Thorium entrance into micas, 21:4633
NAUMOV, I. V. Chambers for work with semiconductor detectors, 23:33394
NAUMOV, V. A. Characteristics of a neutron source with average energy 200 keV for biological experiments on the IRT-2000, 24:13262
Distribution of neutron flux in a two-dimensional cylindrical model of IRT-2000 reactor, 21:30273
Efficiency and interference of rotating compensating cylinders and absorption rods in uranium—water lattices, 21:30272
Prospects for using chemically reacting systems as coolant and working substance in atomic power stations with fast nuclear reactors, 23:52338 (JPRS-48330, pp 640-66)
NAUMOV, V. B. Thermobaric conditions of hydrothermal uranium deposit formation, 23:15978
NAUMOV, V. I. Use of GaAs light sources for calibrating devices with semiconductor nuclear-radiation detectors, 21:6284
NAUMOV, Yu. V. Beta$^+$γ coincidences during the decay of ^{152}Tb $\rightarrow$ ^{152}Gd, 21:27588
Beta$^+$γ coincidences in ^{160m}Ho decay, 21:44710
Beta-gamma coincidence scintillation spectrometer, 21:1613
β$^+$γ coincidences in the decay of ^{188}Ir, 21:44711
Decay ^{89}Sr, 23:10987
Gamma decay from the analogue state of the ^{45}Ti g.s. 24:28754
K-forbidden β transitions in ^{160}Tb decay, 21:44712
Magnetic β γ coincidence spectrometer, 21:1614
Spin of ^{176}Lu, 21:29991
NAUMOVA, S. F. Conversions of 1,4-ethene-1,4,5,6,9,10-hexahydronaphthalene under action of γ-radiation, 25:51483
Radiation polymerization of cyclohexadiene, 25:15657
NAUMOVA, T. M. Investigation of europium complexes with some β-diketones, 24:5649 (UCRL-Trans-10409)
NAUMOVA, V. I. Zone electrophoresis on paper in inorganic analysis. I, 22:33492
Zone electrophoresis on paper in inorganic analysis. II, 23:19833
Zone electrophoresis on paper in inorganic analysis. III, 24:2113
NAUMOVA, Zwetana Dose distribution with ^{60}Co tele-irradiator, 23:4970
NAUMOVETS, A. G. Binding energy of Cs atoms adsorbed on (110) and (100) faces of a W crystal, 21:46148
Electron and adsorption properties of Sc films on W, 22:50246
Structure and adsorption behavior of sodium films on (011) faces of tungsten, 24:45344
NAUMOVETS, V. G. Effect of low-frequency oscillations on radial distribution of charged particles across magnetic field, 24:35373
Low-frequency oscillations in hot-cathode Penning discharge plasma, 24:28366
NAUMOWA, Zwetana Teletherapy mammary carcinomas, 23:43840
NAUNDORF, V. Measurement of the activation energies of the dislocation anchoring in Cu after electron irradiation at 78°K, 23:5484
Young's modulus in electron irradiated copper, 24:21857
NAURYZBAEV, M. K. Cementation of europium with sodium amalgam, 22:2037
Cementation of microquantities of polonium by mercury, 24:38835
NAUSTVIK, E. Influence of high-latitude disturbances on vlf propagation, 21:35102
Position and height of auroral absorption deduced from vlf phase measurements, 23:12647
NAUTA, H. Interplay between chemistry and nuclear energy, 22:23079
Technological and scientific aspects of radiation chemistry, 22:23055
NAVA, Carlos Distribution of rabbit anti-mouse thymus globulin, 23:43652
NAVA, D. F. Chemical composition of Apollo 14 soils 14163 and 14259, 25:52596
NAVA, David F. Chemistry and mineralogy of Lost City meteorite, 25:40147
NAVACH, C. Attempt to derive an interstellar extinction law in the ultraviolet by balloon-borne observations, 25:40178
NAVACH, F. Decay mode ω $\rightarrow$ e$^+$e$^-$ and a direct determination of the ω-phi mixing angle, 22:48234
Evidence for new decay mode of X^0-meson: X^0 $\rightarrow$ 2 γ, 23:5539
Large electromagnetic shower detector with high rejection for pions, 23:47756
Measurement of branching ratio ω $\rightarrow$ neutrals/ω $\rightarrow$ total, 22:39297
Neutron detector for missing-mass spectrometry, 23:47821
New large-acceptance and high-efficiency neutron detector for missing-mass studies, 23:29199
Observation of rare decay mode of phi-meson: phi $\rightarrow$ e$^+$e$^-$, 22:46457
Phi-meson production cross section in π$^-$p interactions at 2.13 GeV/c, 23:23382
Position determination of particle trajectories, 24:29574
NAVALCAR, M. P. Calculation of buckling corresponding to lambda* in the case of pulsed BeO assemblies, 22:30315
NAVALESI, R. Radiofibrinogen in evaluation of cold areas of hepatic scans, 23:50703
Red cell survival by ^{51}Cr and whole body counting, 22:33894
Scintigraphic determination of regional lung perfusion, 24:14546
NAVALIKHIN, L. V. Anticoincidence gamma spectrometer with shielded scintillator, 25:34928
Determination of O in Mo by activation with neutrons of 14 MeV, 22:45020
Measuring yield of 14.5-MeV neutrons on neutron generator, 23:13194
Two-crystal gamma spectrometer with rapid—slow coincidence for analyzing mixtures of radioactive isotopes, 25:44676

NAVALKAR, M. P. Apparatus for separation and mass assignment of isotopes using time of flight principle, 25:1701
  Calculation of K/sub eff/ for a bare Pu sphere by collision probability method, 25:12849
  Correlating radiation energy between heating and displaced atoms, 24:14846
  Determination of thermal diffusion parameters of BeO using pulsed neutron source, 22:26772
  Evaluation of the coefficient of B^4 term in the decay constant of fundamental mode for BeO, 21:10206
  Measurement of capture gammas from resonance absorbers using lead spectrometer, 22:32628
  Measurement of fast neutron spectrum using threshold detectors, 24:16312
  Measurement of mean free path using a slowing down time Pb spectrometer in the 1 to 10 eV energy region, 22:29851
  Measurement of neutron spectra by the transmission method, 22:23288
  Measurement of neutron spectrum by transmission method, 21:15462 (CONF-660221-, pp 268-72)
  Neutron cavity amplifier, 24:16311
  Neutron resonance parameters using slowing-down-time lead spectrometer, 21:15565 (CONF-660221-, pp 273-8)
  Neutron thermalization in graphite, 22:44579
  Nondestructive assay of ^{239}Pu and ^{235}U in irradiated samples using slowing-down-time lead spectrometer, 22:33221
  Perturbation of slowing-down density due to a local absorber in a pulsed finite medium, 22:29845
  Resonance parameters of ^{240}Pu, 25:15092
  Study of neutron resonance parameters using slowing down time lead spectrometer, 22:14828
  Study of neutron thermalization in lead using a pulsed neutron source, 22:29849
  Study of slowing down and diffusion of neutrons in lead using a pulsed neutron source, 22:39539 (AEET/NP-16)
  Study of the method of separation of isotopes using time-of-flight principle, 22:30920
  Time-dependent neutron spectrum measurements in lead in the epithermal energy region, 22:29892
NAVANI, Shiv Spontaneous regression of pulmonary metastases from transitional cell carcinoma of the bladder, 24:44575
NAVARA, E. Grain growth during sintering of W—Cu—Ni alloys, 24:34907
  Stability of oxide dispersions in iron- and nickel-based alloys, 25:55485
NAVARATNA, S. K. Mutagen treatments of rice, 24:41812
NAVARRA, G. Cherenkov temporal structure of EAS, 24:26364
  Delays of particles in extensive air showers, 23:44211
  Muon energy spectrum as test of special relativity at small distances, 23:27858
NAVARRA, Gianni Effects of stellar and black-body radiation on the spectra of primary nuclei, 24:3209
NAVARRE, J. Ph. Void fraction measurements in two-phase flow NaK/Ar, 22:51172
NAVARRE, J.-Ph. Measurement of void fraction in two-phase NaK—Ar flow by γ-ray attenuation, 23:13938 (EUR-3935)
  Void fraction measurements in two-phase flow NaK/Ar, 21:41096 (EUR-3486.f)
NAVARRETE, M. Hydrological isotopic techniques for the study of water resources in Mexico, 25:51615 (A/CONF.49/P-790)
  Nuclear techniques in the Mexican textile industry, 24:39148 (PRNC-135, pp 383-6)
NAVARRETE TEJERO, M. Separation and determination of bromine by activation analysis, 24:25013
NAVARRETTE, Manuel Activation analysis of serum vitamin B_{12}, 23:2754
NAVARRIA, F. L. Decay mode $\omega \rightarrow e^+e^-$ and a direct determination of the ω-phi mixing angle, 22:48234
  Evidence for new decay mode of X^0-meson: $X^0 \rightarrow 2\gamma$, 23:5539
  Experimental evidence against the existence of the S^0 meson, 21:27313
  Large electromagnetic shower detector with high rejection for pions, 23:47756
  Measurement of branching ratio $\omega \rightarrow$ neutrals/$\omega \rightarrow$ total, 22:39297
  Neutron detector for missing-mass spectrometry, 23:47821
  New large-acceptance and high-efficiency neutron detector for missing-mass studies, 23:29199
  Observation of rare decay mode of phi-meson: phi $\rightarrow e^+e^-$, 22:46457
  Phi-meson production cross section in π^-p interactions at 2.13 GeV/c, 23:23382
  Position determination of particle trajectories, 24:29574
NAVARRO, Alain Polymorphism of uranium (IV) formate, 22:27644
  Preparation and properties of uranium formates, 23:17406
  Preparation and properties of uranium formates, 24:20749 (RFP-Trans-64)
  Preparation and structure properties of a uranyl hydroxyformate, 25:2196
NAVARRO, J. M. Three-body decays of vector mesons in a quark model, 25:53158
NAVARRO, L. Extended adiabatic invariance, 23:25358
  Strong coupling solution to Schroedinger equation, 24:26462
NAVARRO, Q. O. Neutron diffraction studies on MnAl, Mn_3Ni_2C, and $MnZn_3$, 21:18285
  Nuclear orientation of ^{253}Es in neodymium ethylsulfate, 25:7878
  Response of ordinary glass slide to gamma radiation, 22:12366
  X-ray energy spectra of some light elements, 24:16433
NAVARRO, R. RULISON seismic effects, 24:27252 (CGS-746-2)
  Seismic activity in Sept. 1969 near the Rulison nuclear test site, 24:41459 (CGS-746-5)
NAVARRO, Richard Seismic measurements: Project Gasbuggy, 24:7537 (PNE-1014)
  U. S. Coast and Geodetic Survey seismograph systems, 23:22114 (CGS-C-106)
NAVARRO CUEVAS, D. System for comparing gamma sources varying by ratios of up to 1:1000, 22:14781
NAVARRO CUEVAS, Domingo Measurement of low energy and low activity β radiation, 21:14435 (NP-16534)
NAVASARDOV, S. A. Double-axis crystalline neutron spectrometer, 21:6290
NAVE, M. F. F. Impulsiveness of microwave bursts and its association with sunspot types, 25:27381
  Some center—limb statistical trends of impulsive solar bursts at 7 GHz, 25:7080
NAVELET, H. Analyticity properties of two-body helicity amplitudes for reactions involving massless particles, 22:39341
  Exchange degeneracy and absorption, 25:53159
  Exchange degeneracy and absorption: πN, KN, and NN reactions, 25:30874
  Kinematical singularities, crossing matrix, and kinematical constraints for two-body helicity amplitudes, 22:29770
  Phenomenological analysis of high-energy data in πN and KN systems: shadow scattering and Regge singularities, 21:23337
  Regge poles and absorption, 23:51930
  Regge poles with absorption, 24:18151 (CONF-690330-, pp 166-80)
  Transversity amplitudes and high-energy behavior, 21:40288
NAVELET-NOUALHIER, Henri Analyticity properties of two-body helicity amplitudes, 22:9580 (CEA-R-3303)
NAVERSTEN, Y. Comparative study of regional lung function with intravenous injection of ^{131}I-labeled macroaggregated albumin and ^{133}Xe, 23:48118
  Study of ^{57}Co—vitamin B_{12}-absorption, 24:770
NAVERSTEN, Yngve /sup 99m/Tc sulfide colloid preparation for scintigraphy of reticuloendothelial system, 25:46920
NAVEZ, J. Group of motions of spaces of Robertson—Walker type, 24:37914
  Imbedding of model of Universe with in pseudo-Euclidian space. II, 22:2732
  Imbedding of open magnetic model of Universe in pseudo-Euclidian space, 22:2735
  Radial oscillations in a compressible homogeneous relativistic model, 21:20660
NAVINSEK, B. Conference on physics of ionized gases, Hercegnovi, Yugoslavia, 7/70, 25:58739
  Electrical resistivity changes in thin metallic films due to ion irradiation, 21:11404
  Epitaxial growth of UO_2 thin films, 25:52434
  Investigation of surface phenomena and radiation damage induced by low-energy ion bombardment of solids and thin films, 23:32559 (NIJS-P-234)
  Ion-bombardment-induced resistivity changes in thin films of Ag, Au, Ti, and W, 22:26494
  Radiation damage in tungsten, 24:40161
  Thermal treatment of Cr—SiO cermet thin films, 25:14435 (IJS-587)
NAVON, A. Branching rules for some representations of group SU_6, 22:17989
  Connection between symplectic, quasispin, and generalized Bogolyubov groups, 25:25805
  Criteria for Slater determinants and quasiparticle vacuum states, 23:31088
  Embedding of simple Lie group into simple Lie group and branching rules, 21:27393
NAVON, A. M. Slater determinants and quasiparticle vacuum states constructed from a finite number of fermion states, 23:25960
NAVON, E. (d,α) reactions on ^{42}Ca and ^{44}Ca and states in ^{40}K, 24:43285
  Elastic and inelastic proton scattering from ^{40}Ca, 23:39982
  Excited states in ^{41}Sc by elastic and inelastic proton scattering from ^{40}Ca, 24:40590
  Isobaric analog states in ^{75}As, 22:20536
NAVON, G. Action of atomic hydrogen on ribonuclease in aqueous solution, 21:39332
  Fluorescence quenching and isotope effect of tryptophan, 23:21709
  Spin-echo attachment to Varian HA-100 NMR spectrometer, 24:48351
NAVRATIL, E. Linearity of Lorentz transformation, 21:13667
NAVRATIL, J. D. Effect of F^- complexing agents on PuF_4 dissolution, 24:2275
NAVRATIL, James D. Determination of NH_4 and K in Pu(VI) salts, 24:26941
  Disposal of fluorine, 22:48901 (RFP-1200)
  Dissolution of impure plutonium tetrafluoride in nitric acid, 23:37935 (RFP-1118)
  Dissolution of plutonium tetrafluoride in nitric acid, 23:37936 (RFP-1151)
  Impurity removal by fluorination of plutonium dioxide between 28 and 300°C, 22:48900 (RFP-1052)
  Recovery of niobium from niobium—uranium alloys: an annotated bibliography, 25:18502 (RFP-1421)
  Static reactor reduction of plutonium hexafluoride with iodine and hydrogen, 22:48899 (RFP-993)
NAVRATIL, O. Acidic organophosphorus extractants. VIII, 23:11612
  Acidic organophosphorus extractants. IX, 23:49901
  Hafnium(IV) extraction. XI, 25:48571
  Solvent extraction of Hafnium(IV). VI, 23:406
  Solvent extraction of Hf(IV). VIII, 23:15935
  Vizmutiol as the reagent for selenium and tellurium, 23:33259
NAVROT, J. Fixation of ^{65}Zn in calcareous soils and its availability to tomato plants, 22:14933
NAVROTSKII, M. A. Variability in peas caused by the effects of radioactive cobalt and chemical mutagens, 24:678
NAWAR, M. M. Comparative studies of biological effectiveness of nitrogen mustards, ethylenimine, and gamma rays, 25:6673 (RLO-2221-T-2-3)
  Comparative studies of biological effectiveness of N mustards, ethylenimine, and γ rays, 25:52041
  Effect of gamma radiation on barley seedlings, 25:46738
  Effect of ionizing radiation on gibberellic acid, 25:6637 (RLO-2221-T-2-1)
NAWAR, Maher Mohamed Effects of treatments with ethylenimine, N mustards, and gamma rays on barley, 21:8774
NAWAR, W. W. Detection of irradiation treatment in foods, 24:44640
  Effects of high-energy radiation on the lipids of fish, 23:33241
  Hydrocarbons in irradiated fats, 23:33242
  Prog. rpt. on stability of food lipids to ionizing radiation, 9/65—10/66, 21:20454 (NYO-3499-2)
  Radiolysis of lipids, 23:21748
NAWAR, Wassef W. Stability of food lipids to ionizing radiation, 22:26016 (NYO-3499-3)
NAWOJSKA, Jadwiga Radiolysis of solid ammonium dichromate and its neutral solutions, 21:36031
NAWRATH, H. Injuries after x-ray diagnostic studies, 23:38861
NAWROCKY, R. J. Initial performance of the AGS slow external beam, 23:27990
  Instrumentation and control of AGS slow external beam, 23:28137
  Simultaneous internal and external targeting at AGS, 23:46859 (BNL-13945)
NAY, J. A. Process instrumentation for Westinghouse nuclear steam supply systems (4 loop plants), 25:37010 (WCAP-7671)
NAY, U. Production of artificial radioactive particles, 22:18855
  Radiocesium distribution in human, 24:41745
NAYAK, B. Alkaline hydrolysis of benzamide and N-methyl- and N,N-dimethylbenzamide, 22:16499
NAYAK, Manel N. Separation and purification of uranium and thorium from organic liquids on an anionic exchange resin, 21:36090
NAYAK, U. P. Effects of burnup on fuel pin thermal performance, 25:34369
  Effects of burnup on fuel pin thermal performance, 25:37017 (CONF-710414-1)
NAYAN, Ram Avidity of folic acid for carcinogenic metal ions, Al(III), Cr(III), Be(II), Pb(II), and U(VI), 25:10520
NAYAR, G. G. Biological effects of high background radioactivity on Tradescantia, 24:41857
  Biological effects of high background radioactivity, 25:39949
  Radiation-induced somatic mutations in Tradescantia, 21:41383
  Radiation-induced tall mutant in Sesamum orientale L, 25:39847
  Relation between cytological abnormalities and interphase chromosome volume in plants growing in a high radiation area, 25:46782
  Seed color mutation induced by ^{32}P, 23:26744
  X-ray induced chlorophyll mutation in Sesamum orientale L, 25:13415
  X-ray induced early flowering, appressed pod mutant in Brassica juncea, 25:39848
  Yellow seeded mutations in B. juncea hook. f. and Thoms. induced by radioactive sulfur—^{35}S, 22:51536
NAYAR, K. M. D. Mutagenesis in sorghum, 25:26715
NAYAR, K. Muraleedharan Radio-sensitivity in ragi (Eleusine coracana), 23:45704
NAYAR, N. M. Frequencies of certain types of gamma ray-induced mutations in potato, 23:2811
  Method for securing high frequencies of induced mutation in the potato, 25:39834
NAYDAN, Theodore T. Beam plasma high-frequency wave generating system, 23:18640
  Electromagnetic wave generating and translating apparatus, 23:18639
NAYDENOV, B. M. Atomic absorption analysis of rubidium, 22:30459
  Evolution of lead isotope composition of Earth's crust and Fe meteorites, 23:16557
  Isotopic composition of modern lead, 22:33558
NAYDENOVA, N. Ya. Expansion of the diurnal f_0F2 pattern in natural uncorrelated components, 24:12730
  Forecasting f_0F2 using expansion in natural orthogonal components, 25:16907
NAYDENSKII, M. S. Effect of low doses of γ-rays on some biochemical indicators of incubated eggs, 22:25980
NAYER, R. M. Carbon fibres of high Young's modulus, 24:4860
NAYFEH, Ali Hasan Body force effects on the stability of a liquid film, 25:18309 (SC-RR-70-722)
NAYFIELD, Chester L. Elevated levels of ^{137}Cs in common mushrooms (Agaricaceae) with possible relationship to high levels of ^{137}Cs in Whitetail deer, 1968—1969, 25:11003
NAYLER, W. G. Effect of hypothermia on radiocalcium movement in cardiac muscle, 21:41332
NAYLER, Winifred G. Effects of skeletal muscle potentiators, including uranyl ions, on cardiac muscle, 22:10713
NAYLOR, A. Conference on solvent extraction chemistry of metals, Harwell, Eng., 9/65, 22:16676
  Design and construction of the Windscale pilot plant for reprocessing nuclear fuel, 22:6421
  Fission product behavior in first contactor of TBP process, 22:16678
  Fission product chemistry in relation to TBP processes, 22:40052 (KR-126, pp 101-19)
  Plutonium—uranium separation techniques in TBP systems, 22:40168 (KR-126, pp 172-200)

  - TBP and diluent degradation, 22:40167 (KR-126, pp 120-42)
  - Uranium(IV) as a process reductant for Pu(IV), 22:16681
- NAYLOR, Donald William Removing matter from filter elements, 25:18572
- NAYLOR, G. P. An instrument for measuring small differences in dose rate at points in a radiation beam, 25:51916
  - Application of thermoluminescent phosphors in dosimetry problems in radiotherapy and radiobiology, 21:20220
  - Dosimetry of megavoltage photons, 25:21453
  - Graphical method for production of isodose curves, 23:9959
  - Stability of x-ray beam from 8 MeV linear accelerator, 24:35776
- NAYLOR, H. Folded tandem accelerator, 22:37261
  - Thermo mechanical leak valve, 24:10876
- NAYLOR, K. A. Effective drag width of short moving arcs in argon, 22:7316
- NAYLOR, M. D. T. Some uncertainties in Population-II stellar models near the main sequence, 23:8383
- NAYLOR, R. S. Uranium—Th—Pb and Rb—Sr systematics in 2700 x 10^6-year old plutons from southern Wind River Range, Wyoming, 25:10701
- NAYMAN, J. Renal failure on wound healing in dogs, 21:16293
- NAYMARK, Sherman Quality assurance: a realistic appraisal, 25:31528
- NAYUDAMMA, Y. Effect of ultraviolet and gamma radiations on the properties of skins and leather, 21:6685
  - Radiation-induced changes in collagen, 22:42745
- NAYYAR, N. K. Effect of gyro-viscosity on Rayleigh—Taylor instability of a plasma, 25:19711
  - Electrohydrodynamic stability of a liquid jet, 24:28163
- NAYYAR, S. S. Personnel monitoring in India, 23:47864
  - Personnel monitoring system for radiation accidents, 23:47772
- NAZAKI, Fumio Graft polymerization of vinyl compound onto cellulose, 22:14545
- NAZARCHUK, M. M. Integral thermal flux calorimeter, 24:5939
- NAZARCHUK, T. N. Chemical stability of diborides of transition metals, 25:54543
  - Complexonometric analysis of complex carbide alloys of transition metals of IV—VI groups, 23:7481
  - Investigation of some properties of carbides of transition metals of the 4th and 5th group and phase analysis of their alloys, 21:41663
  - Oxidizability of boron nitride, 22:8831
  - Phase composition of ZrO_2—ZrC and ZrO_2—TiC alloys, 21:26921
- NAZARE, S. Dispersion fuel for high-flux reactors (UAl_3—Al), 25:8846 (KFK-1252)
  - Properties of UO_2—/PuO_2—stainless steel-cermets, 25:38010
  - Relations between stereometric microstructure and properties of cermets and porous materials, 25:8944 (KFK-1236)
  - Relations between stereometric microstructure and properties of cermets and porous materials, 25:55628
  - Technology of UAl_3—Al irradiation test plates, 21:41543 (KFK-585)
  - Technology of UAl_3—Al irradiation test plates, 22:6955
  - Technology of UO_2—/PuO_2—stainless steel fuel elements, 25:37996
  - Thermal expansion of cermets, 24:34947 (BMBW-FBK-70-1, pp 631-41)
  - UAl_2—Al instead of UAl_3—Al in fuel-element plates for advanced test-reactors, 23:36048
- NAZARE, Silvestre Quantitative structure analysis, 24:12422
- NAZARENKO, I. I. Analysis of neodymium—tellurium alloys, 22:12244
- NAZARENKO, L. A. Thermal radiation of certain convex plasma bodies. I, 21:29251
  - Thermal radiation of certain convex plasma bodies. II, 24:37477
- NAZARENKO, L. I. Interpretation of GGL cementograms for wells in western Predkavkaz'e, 23:47625 (UCRL-Trans-10362)
- NAZARENKO, L. M. High-vacuum gas discharge in electrostatic fields for registration of charged particles and gamma quanta, 24:39232
  - Use of Penning tube to detect charged particles and gamma rays, 22:38048
- NAZARENKO, N. G. Reduction of U_3O_8 compacts by H, 24:42265
- NAZARENKO, O. K. X-ray radiation in electron beam welding installations, 22:44204
- NAZARENKO, O. M. Alpha decay of ^{225}Ac, ^{221}Fr, and ^{217}At, 22:9865
- NAZARENKO, V. A. Circular polarization of ^{181}Ta γ quanta, 23:44904
  - Circular polarization of γ quanta from ^{181}Ta, 21:15586
  - Experimental evidence of P-parity non-conservation in nuclear forces, 22:27382
  - Extraction—photometric determination of Mo, 25:12933
  - Extraction-photometric and extraction-fluorimetric determination of scandium as a morin—antipyrine complex, 23:19641
  - Interaction of scandium with 2,2',4'-trihydroxyazo compounds, 23:28694
  - Investigation of parity nonconservation in the reaction $n + p \rightarrow d + \gamma$, 24:30443
  - Nonconservation of P parity in γ decay of ^{41}K, 23:46939 (BNL-tr-283)
  - Parity non-conservation in gamma decay of ^{181}Ta, 21:38346
  - Parity nonconservation in γ-decay of ^{41}K, 24:1796
  - Parity violation in γ decays of ^{181}Ta and ^{175}Lu, 25:34092
  - Reactions of Th, Nb, and Ta with quercitin, 22:27680
  - Study of chemistry of reactions of polyvalent element ions with organic reagents. VII, 22:16503
- NAZAREVICH, L. E. Effect of gamma radiation on meat proteins, 21:30789
- NAZARIAN, Yu. R. Beam measurement apparatus for 6-GeV Erevan electron accelerator, 22:32291 (CEAL-2000, pp 360-2)
- NAZARKIN, A. I. Uptake of ^{131}I by the thyroid gland of rabbits during chloroform marcosis, 24:2558
- NAZARKINA, G. B. Gamma radiation from moon surface measured by Luna 10, 21:37211
  - Gamma radiation of moon and composition of lunar rocks, 22:5156
  - Gamma radiation of moon and composition of lunar rocks, 23:16627
  - Measurements of gamma radiation from surface of Moon by Luna-10, 22:8930
- NAZAROFF, George V. General theory of autoionizing states of two-electron systems, 24:37269
  - Unified model for resonances in scattering cross sections, 24:45032
  - Unoccupied natural orbitals of two-electron wave functions, 22:34812
- NAZAROV, A. F. Investigation of the multiplicity of neutron yield in μ^- capture by Cu, 22:39619
- NAZAROV, A. I. Carry-over of zinc corrosion products from boiling water to steam and distribution of ^{65}Zn through BWR VK-50 cycle, 25:1789
  - Experience in burial of liquid radioactive wastes in deep geological formations, 23:9679 (JPRS-46535)
  - Experience with liquid radioactivity waste disposal, 22:45267
  - Treatment of low- and intermediate-level radioactive wastes in Bulgaria, Hungary, the USSR, and Czechoslovakia, 21:271
  - Water purification of VK-50 reactor by a four-step-evaporator installation, 24:5710
- NAZAROV, A. S. Getter-ion pumps with directly heated titanium evaporators, 21:34457
  - Kinetics of reextraction of U(IV) from tri-n-octylamine solutions in butylbenzene by aqueous solutions of hydrofluoric acid, 21:1434
  - Process of reextraction studied by a chromatographic method, 21:1435
- NAZAROV, E. N. Regeneration of lymphoid tissue and lifetimes of skin transplants in irradiated animals, 24:17136
- NAZAROV, E. V. Discontinuity of equation of optimum problems of magnetogasdynamics, 25:55936
- NAZAROV, G. I. Tooth damage following radiation therapy, 22:31197
- NAZAROV, I. M. Airplane measurement of global fission fragment contamination of a territory by determining the gamma-ray spectrum, 22:18971
  - Counting gamma radiation from plane isotropic source, 23:47743
  - Gamma spectrometry of natural environments and formations, 25:32090 (TT-70-50092)
  - Gamma-spectrometric measurements of ^{137}Cs by an aircraft during global radioactive contamination, 23:846
  - Method for separating γ radiation dose rate of artificial and natural radioactive isotopes in ground, 25:8360
  - Principles of gamma spectrometry of natural resources, 23:38303
  - Use of gamma-ray spectra in airborne measurements of global fallout contamination of territories, 21:19769
- NAZAROV, L. E. Levels of radioactive contamination of ground-level atmospheric air and of Earth's surface from products of nuclear explosions, 22:21195 (A-AC-82/G/L-1201)
  - Peculiarities of various dispersion aerosol washout from near-ground air layer due to nuclear explosions, 23:17607
  - Radioactive aerosol distribution in the middle and upper troposhere over the USSR in 1963—1968, 24:41442
  - Size distribution of radioactive particles from nuclear weapon tests and their transport in the atmosphere, 21:6055
- NAZAROV, M. D. Geomagnetic pulsations of the Pi2 type and parameters of auroral zone, 25:22434
- NAZAROV, N. I. Cyclotron interaction between an electron beam and the fast magnetosonic wave, 24:37457
  - Energy of charged particles leaving magnetic traps after high-frequency heating, 21:15095
  - Interaction of an electron beam with a fast magnetoacoustic wave, 23:32386
  - Investigation of low-frequency plasma oscillations by means of amplitude modulation of microwave radiation, 25:27816
  - Investigation of the superhigh-frequency radiation from plasmas during interaction of electron beams with fast magneto-acoustic waves, 24:40070
  - Measurement of the perpendicular component of energy and the time of plasma breakup in high-frequency heating, 21:15096
  - Mechanism of resonance heating of electrons in beam-plasma discharge, 23:36646 (NP-17945)
  - Mechanism of resonance heating of electrons in beam-plasma discharge, 24:10525 (AEC-tr-7107)
- NAZAROV, P. P. Diffusion mechanism of rare earth elution, 22:16509
  - Isolation of promethium by displacement chromatography due to complex formation, 25:54723
  - Mechanism of sorption of metal ions on carboxylic cation exchangers. V, 24:31327
- NAZAROV, T. V. Determination of the electron concentration in arc discharge plasma, 22:52752
- NAZAROV, U. Decay chain of $^{138}\mathrm{Nd} \rightarrow {}^{138}\mathrm{Pr} \rightarrow {}^{138}\mathrm{Ce}$, 22:3695 (JINR-P6-3541)
  - Decay chain of $^{140}\mathrm{Nd} \rightarrow {}^{140}\mathrm{Pr} \rightarrow {}^{140}\mathrm{Ce}$, 21:38298 (JINR-P6-3348)
- NAZAROV, U. K. Conversion electrons of ^{160}Ho and levels of ^{160}Dy, 23:47004
  - Decay mode of ^{158}Er, 22:1652 (JINR-P6-3496)
  - Decay of ^{156}Ho, 22:5814 (JINR-P6-3464)
  - Decay of ^{159}Ho, 22:13995 (JINR-P6-3634)
  - Decay scheme of ^{158}Er, 23:8979
  - Decay scheme of ^{159}Er, 22:16008 (JINR-P6-3660)
  - Study of ^{124}I radiation, 24:18437
- NAZAROV, V. K. Complex formation of Np(IV) with nitrate and chloride ions, 21:10337
- NAZAROVA, A. I. Fixation of radioactive wastes in cement, 21:270
- NAZAROVA, L. F. Change in the frequency of chromosomal rearrangements in irradiated plants under the effect of gibberellin, 24:4596
  - Decrease in the toxicity of extracts from irradiated plants under the influence of gibberellin, 24:9967
- NAZAROVA, N. S. Albumin of haricot seed under influence of gamma-radiation, 21:28362
- NAZAROVA, T. N. Meteoric material in vicinity of Earth, 25:30361
- NAZAROVA, T. S. Boride coatings on Mo, 22:4854
  - Films of samarium isotopes for nuclear investigations, 22:37271
  - Monoisotopic targets Ti, Zr, and Hf for nuclear investigations, 23:3880
  - Preparation of Mo and Re foils for nuclear studies, 21:6780
  - Target production by directional evaporation in high vacuum, 21:33835
  - Thin films of rare-earth metals, 25:22035
- NAZARYAN, A. A. Angular dependence of the brightness of streamer tracks, 22:8385
  - Ionization measurement in a streamer chamber, 22:8386
  - Track brightness in streamer chamber, 24:9691
- NAZARYAN, A. Kh. Dielectric permittivity of plasma in a strong magnetic field, 25:14312
- NAZARYAN, Yu. P. Method for measurement of instantaneous values of beam coordinates in an accelerator chamber, 24:15747
- NAZHAT, N. B. Determination of hydrogen atom yields in irradiated ice matrices, 23:35214
  - ESR signal intensities of trapped hydrogen atoms and some of their reactions in acidic ice matrices, 24:20816
  - ESR studies on γ-irradiated frozen aqueous solutions of Na formate, 24:27148
  - Growth and decay of alkyl radicals in γ-irradiated alkyl iodides at 77°K, 25:18461
  - Matrix isolation of thymine radicals in γ-irradiated alkaline ice matrices, 24:38912
  - Nature of bleached color centers in irradiated alkaline ice, 25:8272
  - Reply to formation of ozonide ions in γ-irradiated aqueous solutions of alkali hydroxides, 25:54609
- NAZHAT, R. A. ESR studies on γ-irradiated frozen aqueous solutions of Na formate, 24:27148
- NAZHDIMIDDINOVA, M. T. Protective action of propyl gallate in the radiolysis of aqueous DNA solutions, 23:9430
- NAZIF, K. M. Abnormal white counts among radiation workers, 25:47021
  - Chromosomal break frequencies after exposure to ionizing radiation, 22:31030
- NAZIROV, A. Kh. Thermal disintegration of basic zirconium sulfate, 22:19615
- NAZIROV, B. Products of radiative graft of copolymerization of cellulose acetate and polymethacrylic acid, 23:24248
- NAZIROV, N. N. Ascorbic acid effects on radioresistance of cotton, 22:43363
  - Cell division of cotton, 21:32801
  - Comparative study of nucleotide composition of DNA and RNA in seeds of radiomutants of cotton and of their initial forms, 22:43284
  - Effect of radiostimulation of wild pasture grasses growing in various ecological conditions, 21:26670
  - Effects of cultivation on γ-radiosensitivity of plants, 21:34814
  - Effects of γ radiation on hybrid cotton seeds, 21:22799
  - Ionizing radiation effects on the photosynthesis in cotton plants of various radiosensitivities, 21:9015
  - Radiosensitivity of cotton, 22:47639
  - Sensitivity of some radiomutants of cotton to gamma radiation, 25:44962
- NAZMITDINOV Radioactivation method for determining traces of Pd in some concentrates and ores by substoichiometric separation, 23:26205
- NAZMITDINOV, M. K. Radioactivation method for determining microimpurities in vanadium pentoxide, 22:37681
- NAZYROV, E. N. Monoenergizing and focusing of charged-particle beam in cylindrical capacitor electric field, 23:30878
- NAZZARO, James R. Effects of ionized air on stress behavior, 22:15104
- NAZZER, D. B. Low pressure stripping, 25:54918
- NAZZER, Don B. Fuel rod structure, 22:25174
- NBUYA, Koichiro Doses scattered from a phantom irradiated with 80 to 200 kV x-rays and ^{60}Co γ-rays, 21:45635
- NCNEAL, N. A. Sodium boiling transients in oxide-fueled fast reactors, 22:39811
- NDILI, F. N. Linearization techniques in algebraic approaches to chiral transformations, 25:25470
  - Meson—meson scattering lengths from chiral SU_3 x SU_3 effective Lagrangians, 25:7647
  - Representations of $O_{3,1}$ in bispinor space, 23:39760
  - Some remarks on the theory of induced realizations, 25:14749
  - Vector—vector—pseudoscalar meson coupling in a chiral-invariant Lagrangian, 25:17480
- NDIOKWERE, Ch. L. Production of ^{18}F of high specific activity by photonuclear reactions, 25:15695
- N'DOCKO, V. B. Ion implanted nuclear particle detectors, 25:57809
  - Low energy boron implantation profiles in silicon from junction depth measurements, 25:27855
- N'DOYE, R. Radiation sickness and problems of radioprotection, 22:45582
- NEADLE, R. Prog. rpt. on radiation damage in Li-containing solar cells, final, 6/21/66—3/20/68, 23:16217 (N-68-33502)

NEADLE, R. S. Recovery rate and capacitance measurements on irradiated lithium-containing solar cells, 23:17861
NEAGU, D. Energy spectra and angular correlations of K/sub e3/ decay particles, 21:11733
NEAGU, E. 4th test of general relativity theory, 25:20097
NEAL, D. E. ARC system neutronics input processor, 25:23392 (ANL-7713)
  ARC system one-dimensional diffusion theory capability, DARC1D, 25:41597 (ANL-7715)
NEAL, F. C. Prog. rpt. on anaplasmosis of cattle, 3/69, 23:50369 (ORO-3120-8)
NEAL, H. Position and track measurement, 24:50625 (TID-25473(Vol.3), pp 103-16)
NEAL, H. A. Backward elastic π^+p scattering from 2.18 to 5.0 GeV/c, 23:36845
  Complex zeros of scattering amplitudes and polarization data at high energies, 23:34609
  Experiments to study meson resonances, 24:51956 (TID-25473(Vol.4), pp 237-66)
  Helicity amplitudes in high-energy elastic p—p scattering, 23:21131
  Intermediate-angle pion—proton elastic scattering from 3.0 to 5.0 GeV/c, 24:42885
  Large angle proton—proton elastic scattering at intermediate momenta, 24:49313 (COO-2009-15)
  Large angle proton—proton elastic scattering at intermediate momenta, 25:47727 (COO-2009-18)
  Large-angle elastic proton—proton scattering from 1.5 to 3.5 GeV/c, 24:5238
  NAL on-line computing facilities, 24:52317 (TID-25473(Vol.3), pp 145-64)
  Proton—proton polarization experiments at NAL, 24:51927 (TID-25473(Vol.3), pp 141-4)
  π^-p backward elastic scattering from 2.38 to 3.00 GeV/c, 24:40277
NEAL, Homer A. Polarization parameter in elastic proton—proton scattering from 0.75 to 2.84 GeV, 21:35258 (AD-650156)
  Polarization parameter in elastic proton—proton scattering from 0.75 to 2.84 GeV, 21:44269
NEAL, Homer A. Jr. Proton—proton scattering from .75 to 2.84 GeV, 21:18893 (AD-635017)
NEAL, Homer Alfred Jr. Polarization parameter in elastic proton—proton scattering from 0.75 to 2.84 GeV, 21:33605
NEAL, L. G. Electrical conductivity of high-void-fraction two-phase flow in MHD generator. I, 22:2905
  Power-void transfer-function measurements in subcooled boiling, 21:7917
  Prog. rpt. on kinetic studies of heterogeneous water reactors, 4—6/66, 21:13987 (STL-372-44)
  Prog. rpt. on kinetic studies of heterogeneous water reactors, 7—9/66, 21:13988 (STL-372-47)
  Prog. rpt. on kinetic studies of heterogeneous water reactors, annual, 1966, 21:40575 (STL-372-50)
  Stability of boiling-water reactors and loops, 21:44885
  X-ray measurement of void dynamics in boiling liquid metals, 22:21283
NEAL, M. P. Irradiated canine kidney, 22:40845
NEAL, M. P. Sr. Medical x-rays: benefit versus risk, 24:19324
NEAL, P. Effects of x irradiation on mammalian oocytes in organ culture, 23:45870
NEAL, R. B. Accelerating structures, 25:50223
  Completion of construction and initial operation of the SLAC accelerator, 21:38084
  Consideration of the use of feedback in a traveling wave superconducting accelerator, 22:39507 (SLAC-PUB-437)
  Feasibility of a two-mile superconducting linac, 23:28186
  Initial operating experience and performance of SLAC accelerator, 21:4147 (SLAC-PUB-219)
  Present status and future plans at SLAC, 25:22916 (SLAC-PUB-802)
  Recent beam performance and developments at SLAC, 23:28008
  Recent beam performance and development at SLAC, 23:34685 (SLAC-PUB-563)
  Recent developments at SLAC, 22:37234 (SLAC-PUB-420)
  Sample parameters of a two-mile superconducting accelerator, 22:39508 (SLAC-PUB-438)
  SLAC accelerator: first year of operation, 21:46618 (SLAC-PUB-351)
  SLAC: status, recent progress, and future plans, 23:42796 (SLAC-PUB-624)
  Status of design, construction, and research programs at SLAC, 21:29731
  Superconducting accelerator research and development at SLAC, 25:3507
  Two-mile superconducting accelerator study, 23:42797 (SLAC-PUB-626)
NEAL, R. G. Stanford two-mile accelerator, 23:30893
NEAL, Richard B. SLAC: the accelerator, 21:23374
NEAL, S. B. H. C. Heat transfer in finned tubes, 21:43164
NEAL, T. R. Generation of high-pressure isotherms for liquid and solid sodium, 23:21596 (LA-4050)
NEAL, Thomas E. Neutron activation analysis through electroseparation, 21:5742 (AD-633793)
NEAL, W. Effect of gamma radiation on storage life of cooked lobster meat, 21:41526
NEAL, W. R. Radiogenic tumors in radium and mesothorium cases, 23:38854
NEAL, W. T. L. British approach to environmental monitoring, 23:50545
  Control of food irradiation in the United Kingdom, 22:43506
  Historic review of local monitoring through disposal to atmosphere, 24:7847
  Possible future trends in administrative responsibilities, 24:7918
  United Kingdom approach to environmental monitoring of radioactive wastes, 24:7846
NEALE, L. C. Condenser cooling water system for nuclear power plant, 24:26795
NEALE, W. W. High momentum single stage electrostatically separated beam, 24:13260
  Nuclear interactions of antiprotons with aluminium and carbon, 21:1018
  Particle separation at high energies. I, 21:29686
NEALON, E. W. Beryllium in inertial navigation, 25:47100 (NMAB-272, pp 249-91)
NEALY, Carson L. Nuclear level structure of ^{151}Nd, 22:9898
  Nuclear structure studies of the 83-neutron species ^{143}Nd, 21:23531
NEAMU, I. Analysis of proton scattering on ^{32}S, 25:56694
  Elastic scattering of 12-MeV deuterons on even rare-earth nuclei, 23:28310
  Nuclear structure effects in elastic and inelastic scattering of neutrons, 22:27379
  Proton scattering on ^{22}Ne, 23:13241
  Proton—gamma angular correlations on ^{11}B and ^{31}P, 24:38134
  Reaction mechanism for proton scattering on ^{60} ^{64}Ni and ^{64} ^{68}Zn, 25:20322
NEARY, F. J. Analysis of IAEA regulations, 22:28056
NEARY, G. J. Chromatid aberrations in Tradescantia bracteata, 22:28421
  Chromosome aberrations and effective LET of hard x-rays, 24:14466
  Chromosome aberrations and the theory of RBE. III, 22:12832
  Chromosome aberrations and theory of RBE. II, 21:10832
  Chromosome aberrations, cell killing, and the molecular basis of relative biological effectiveness of ionizing radiations, 22:25818
  Dependence of biological effectiveness of radiation on physical factors of radiation quality, and significance of such dependence, 22:38316
  Influence of radiation quality and oxygen on strand breakage in DNA, 24:50771
  Interpretation of survival curves, 24:44634 (EUR-4452, pp 51-81)
  Irradiation of simple biological specimens by charged particles, 25:16043
  Radiation quality and RBE for chromosome aberrations, 21:13016
  Sensitivity of E. coli to ionizing particles of different LETs, 22:36218
  Some general aspects of relative biological effectiveness of radiation of different qualities for effects on cells, 25:6634 (CONF-691106-, pp 153-72)
  Track structure in relation to radiobiology, 25:21586
NEAS, B. R. Persistence of pre-irradiation immunity to Hymenolepis nana in syngeneic chimaeras, 24:50792
  Persistence of preirradiation immunity to Hymenolepis nana in syngeneic chimeras, 24:12004
NEAS, Barbara R. Loss of pre-irradiation immunity to Hymenolepis nana in rat—mouse chimera, 21:20366
  Preirradiation immunity to Hymenolepis nana in mice, 21:20262
NEAT, K. P. Mechanism of radio emission from extensive air showers, 21:33229
  Radio pulse production in extensive air showers, 23:30365
NEBAGUSHVILI, N. N. Positive ionospheric disturbances at middle latitudes, 24:39971
NEBBIA, G. Coupling of a low-temperature ROVI reactor with a desalination plant, 23:49632
NEBE, J. Fast neutron time-of-flight spectrometer used with the Karlsruhe isochronous cyclotron, 22:45330
  High resolution neutron scattering measurements and the analysis of resonance angular momentum and parity, 24:49928 (KFK-1189)
  High resolution total fast neutron cross sections on nonfissible nuclei in energy range 0.5 less than or equal to E/sub n/ less than or equal to 30 MeV, 23:5826
  High resolution total neutron cross sections between 0.5 to 30 MeV, 23:13204 (EURFNR-591)
  High resolution total neutron cross sections for Si, Cr, and Ni between 0.5 and 30 MeV, 25:38921 (EURFNR-591(Suppl.1))
  High resolution total neutron cross sections for Na, Cl, K, V, Mn, and Co between 0.5 and 30 MeV, 25:38922 (EURFNR-591(Suppl.2))
  High-resolution cross-section for some fast reactor structural materials, 21:17351 (KFK-452)
  Multilevel resonance analysis of total neutron cross sections of ^{23}Na and Ca below 1 MeV, 24:38136 (EURFNR-776)
  Multilevel resonance analysis of total neutron cross-section of ^{23}Na and Ca below 1 MeV, 25:14969
  Spin and parity of ^{41}Ca levels, 25:14939
  Total n—p scattering cross section in the energy range 0.7-32 MeV, 23:51851
NEBE, Juergen Method for neutron resonance spin assignment by differential scattering analysis, 24:52470 (KFK-1069)
NEBEKER, R. L. Containment behavior of xenon and iodine under simulated loss-of-coolant accident conditions in the contamination-decontamination experiment, 25:51107 (IN-1394)
NEBEL, Dieter Investigation of Pu(IV)-lactate equilibrium in aqueous solution, 21:5890
  Potentiometric investigation of the equilibrium of Pu(IV)-citrate in aqueous solution, 21:4496
  Potentiometric investigations on complex formation of Ce(III), Ce(IV), Th(IV), U(IV), and citrate in aqueous solution, 21:5889
NEBEL, H. Second-order virtual E1 transitions in Coulomb excitation of deformed nuclei, 21:30005
NEBEL, Henry Study of higher order effects in Coulomb excitation, 22:16101
NEBENZAHL, I. Calculations of alpha-particle trajectories in long-range alpha particles emitted in spontaneous fission, 21:30076
  Charge-exchange calculations with Hartree wave functions, 25:43157
NEBERGALL, Dean Variation of geomagnetic disturbance with latitude, 23:16731
NEBESAR, C. B. Maternal transfer and fetal absorption and retention of injected radionuclides in deer and sheep, 23:12011 (UCD-472-115, pp 98-103)
NEBESAR, R. A. Correlation of angiography and isotope scanning in abdominal diseases of children, 24:34507
NEBESAR, Robert A. Angiography of liver abscess, 24:21223
NEBESOVA, I. F. Brittle failure of Cr—Mo—V weld metal, 23:43956
NEBLETT, D. L. Evaluation of an equation which estimates percentage depth dose for ^{60}Co teletherapy, 21:14647
NEBRENSKY, J. Thermoluminescent glass activated by manganese, 21:40105
NECAS, E. Studies on the identity and properties of stem cells of blood elements, 24:14571
NECASEK, J. Relative specificity of mutagens for the induction of forward mutations in Corynebacterium, 24:50823
NECHAENKO, M. A. Diagnostic value of radioisotope investigation of in vivo thyroxine metabolism in thyrotoxicosis, 24:23266
NECHAEV, A. G. Controlling the magnetic field derivative during injection into a synchrotron, 22:15907
NECHAEV, A. V. Dissolution of tungsten carbide—cobalt alloy in electrochemical machining, 25:637
NECHAEV, I. A. Age-dependent radiosensitivity in various strains of mice, 22:19428
  Changes in radiosensitivity of different strains of mice in mature age, 22:17037
  Effects of chemical protective substances on mice with different sensitivity to x irradiation, 22:19374
  Forecasting the effect of irradiation of animals, 25:16335
  Prognosing the outcome of irradiation in mammals, 24:17146
  Some peculiarities of radiation response and radioprotective action of cysteamine in mice of different strains, 22:17041
NECHAEV, O. Yu. Chemical composition of primary cosmic rays, 25:55899
  High-transmission spectrometer for nuclear charges of primary cosmic rays, 21:37210
  Studies of the nuclear component of the primary cosmic rays on the Proton-2 satellite, 21:37213
NECHAEV, Yu. A. Solubility of oxygen in hafnium nitride, 25:35566
NECHAEV, Yu. I. Bubble chambers, 22:40468
  Confinement of dense plasma in TOR-1 stellarator, 25:38369 (CONF-710607-102)
  Equipment for measurements of plasma density and fluctuations in stellarator L-I, 22:44091 (NP-17587)
  Heating of plasma electrons at electron cyclotron frequency, 23:25286
  Plasma containment in Tor-1 stellarator, 25:52772 (NP-18973)
  Quasi-steady electric fields and plasma oscillations in stellarator L-1, 23:14740 (NP-17762)
  Studies of quasi-steady electric fields and plasma oscillations in a steallarator l-1, 23:42352 (AEC-tr-7054)
NECHAEVA, E. I. Gas scintillator in electric field for charged particle detection, 22:45278 (JINR-P3-3904)
NECHAEVA, L. P. Focusing of an ion beam drifting in a nonuniform magnetic field, 25:56602
  Investigation of beam behavior in a sector cyclotron, 23:34694
NECHAI, E. E. Nerve regeneration in combined injuries, 23:29795
NECHAI, G. N. Direct method for determining small quantities of radon in natural waters by means of preliminary concentration on activated carbon, 21:4443
NECHIN, Yu. A. Fluctuations of the energy flux of nuclear-active particles in extensive air shower cores, 22:13277
  Groups of particles at a depth of 40 meters entering into the composition of broad atmospheric showers, 21:29033
  Investigation of the penetrating component of high-energy cosmic radiation at 20 and 40 mwe underground, 22:13268
  New data on particle groups at 40 mwe underground, 22:13275
  New phenomena produced by high and superhigh energy cosmic radiation underground, 22:13648
NECHIPORENKO, E. P. Behavior of $MoSi_2$, WSi_2, and $TaSi_2$ in vacuum at high temperatures, 24:6276
  Coalescence of Al_2O_3 particles in Mo, 25:32812
  Effects of silicide coatings on mechanical properties of molybdenum, 22:19543
  Influence of silicide coatings on molybdenum on its mechanical properties, 23:8183
  Protection of tungsten against high-temperature oxidation, 22:43537
  Study of the gas evolution and mechanical properties of molybdenum wire, 25:58221
  Thermal tensity in chromium coatings in molybdenum, 21:18271
NECHIPORUK, V. A. Loop channel cells with highly enriched fuel elements, 24:50194
NECHITAILO, G. S. Radiosensitivity and aging of Allium fistulosum L. seeds, 24:12046
NECHITAILO, N. A. Alkyl derivative of pyrocatechol as stabilizers in γ-irradiated polypropylene, 23:4665
  Effect of gamma irradiation on stabilized polypropylene, 22:23056
NECHTSCHEIN, Maxime Radiative detection of nuclear magnetic resonance of excited nuclear states, 22:30045 (CEA-Bib-107)
NECHVATAL, M. X-ray diagnosis of Reticuloperitonitis traumatica in cattle, 24:29810
NECIU, S. Polarographic determination of copper, lead, cadmium, and zinc in technical and high-purity indium, 22:22961
  Some quantitative relations on the radioactive minerals leaching processes, 24:2283

- NECKEL, A. Calculation of band structure of ScC and ScN, 24:37554 (SC-T-70-4024)
  - Miscibility of cubic multicomponent carbides, 22:43653
  - Thermochemistry of aluminides, 25:32692
- NECKEL, H. Use of early M-type stars for determining interstellar absorption, 22:24013
- NECKEL, Heinz Radiation of the solar photosphere from 2000 A to 100 μ, 22:52353
  - The solar constant, 25:55742
  - Transformation of the absolute solar radiation data into the international practical temperature scale of 1968, 25:11609
- NECKEL, Th. Polarization of southern OB stars, 25:22238
- NECKEL, Thorsten Brightness distribution and structure of the galaxy, 22:52356
- NECKER, William C. Heat exchanger utilizing vortex flow, 21:39109
- NECTOUX, F. Synthesis of new compounds of Np(VII) by reaction of alkali metal superoxides with NpO$_2$, 25:51431
- NECTOUX, P. Tests on absorber rods control mechanism, 24:38499 (DP-Report-90)
- NECULA, Mariana Blood changes caused by post therapeutic internal contamination with radioactive isotopes, 24:34740
- NEDAVNII, O. I. Two-channel defectoscope, 25:57889
- NEDBAL, J. Workers exposed to rf radiation in industrial establishments at Brno, 24:2684
- NEDBALEK, M. Determination of protein-bound iodine by neutron activation, 24:25024
- NEDDER, G. Interferometric velocity measurements on plasma beams, 21:15125
  - Spectroscopic measurements of velocity profiles and non-equilibrium radial temperatures in an argon plasma jet, 22:7272
- NEDDERMEYER, Seth H. Scattering of high-energy positive and negative muons on electrons, 22:44312
- NEDELCO, C. Action of whole-body irradiation on the metabolism of triiodothyronine—^{131}I, 22:6760
  - Comparative study of histopathology and incorporation of ^{14}C-vitamin K$_3$ with radiosensitivities of rats, 22:49396
  - Radiosensitization by monoiodoacetic acid. I, 22:45618
  - Radiosensitizing mechanism of monoiodoacetic acid, 23:18101
- NEDELCOU, C. Effect of radioprotective agents on distribution of triiodothyronine ^{131}I, 22:33895
- NEDELCU, C. Mechanism of AET radioprotection, 22:21551
  - Mechanisms of chemical radioprotection, 25:42523
- NEDELEC, O. Resonant effects in light emitted by diatomic molecular gas excited by electron bombardment, 25:24884
  - Resonant effects on light emitted by a diatomic molecular gas excited by electronic bombardment, 24:45027
- NEDELIK, A. Measurement of reactor power by determination of ^{17}N neutrons in the cooling medium with track detectors, 25:57124
  - Reactivity measurements of ASTRA-core after installation of Be reflector, 25:20795
- NEDEL'KO, A. A. Hall effect in films of gadolinium, terbium, and dysprosium, 25:47679
- NEDEL'KO, V. I. Electron structure of Sc and mechanism of the Knight shift in ScAl$_2$ and ScAl$_3$, 22:48172
- NEDELKOVA, Milan Immune reactions radiation-protected rats, 22:45648
- NEDELKU, K. Role of potassium in the radiosensitizing effect of riboflavin, 21:34580
- NEDELLEC, P. Effect of detailed variation of pair potential on Tomasch effect, 25:25074
  - Effect of dilute magnetic alloy adjoining superconductor by tunnel effect, 24:35331
  - Fluxoid structure in thin superconducting films, 24:5148
- NEDELLEC, Pierre Critical magnetic field parallel to thin-film pure superconductors, 24:19827
- NEDELYAEV, A. G. High-current microtron (30 MeV), 21:29800
- NEDERVEEN, C. Aspects of construction of containment system vessel of Dodewaard Nuclear Power Station, 24:9071
- NEDEVETSKII, V. S. Separation of boron isotopes, 23:2406
- NEDLIN, G. M. Spatial oscillations of spin density and nuclear magnetic resonance in RbCoF$_3$, 22:34774
  - Spin-density space oscillations and hyperfine interaction in RbCoF$_3$, 22:26517
- NEDOBOROVA, L. I. Radiation chemistry of carbohydrates. X, 23:21741
- NEDOPEKIN, V. G. Long-range particles with Z greater than or equal to 2 at thermal-neutron ternary fission of ^{239}Pu, 23:19293
  - Particles with $Z > 2$ at ternary fission of ^{235}U by thermal neutrons, 22:48556
  - Stopping power of Ar for ions with Z ranging between 3 and 13, 23:32138
- NEDOSEEV, S. L. Ion heating in a turbulent plasma, 22:22129
  - Titanium-hydride injector, 25:47557
  - Turbulent heating of a plasma by a current in a magnetic mirror field, 21:20920
  - Turbulent heating of plasma by means of a current, 23:32312
- NEDOSPASOV, A. V. Current distribution in an E x H discharge with sectionalized electrodes for nonequilibrium conductivity of the plasma, 25:9482
  - Effect of ionized oscillations on current-interchange instability of a positive column, 24:28325
  - Helium discharge positive column in a strong magnetic field, 21:18712
  - Mercury and Cs as working media for studies of certain properties of MHD generators working in Rankine cycle, 22:52557 (CONF-680704-3)
  - Motion of ionization front in Ar—Cs plasma, 25:7396
  - Parameters of MHD converters, 22:5179 (CEA-tr-R-1901)
  - Parameters of MHD-generators taking into account ionization instability of plasma, 23:18470 (AD-672686)
  - Pulsed model of MHD generator having strongly nonequilibrium plasma, 25:45328
  - Striations, 23:16790
  - Using gas-turbine units and MHD generators in atomic power plants, 25:8112
- NEDOSPASSOV, A. V. Model of Faraday-type MHD generator with hot electrons, 24:45075
- NEDOSTUP, G. A. Heat resistant scintillation counter, 23:29241
- NEDOVESOV, V. G. Decay of ^{242}Am, 23:49431
- NEDUMOV, N. A. Phase conversion of high-melting-point metals and compounds, 21:14856
- NEDUMOVA, E. S. Hydrogen isotope spectral analysis of some hydrides, 25:31800
  - Oxygen isotope separation factor at equilibrium of water vapor with basic aqueous solutions, 25:248
- NEDVECKAITE, T. N. New methods of measuring thoron (^{220}Rn) exhalation, 24:41440
- NEDVEDYUK, K. Angular distributions of charged particles from reaction ^{16}O + T in energy range of 0.9—1.7 MeV, 21:33883 (JINR-P6-3314)
  - Cross sections for reactions ^{16}O(t,α)^{15}N and ^{16}O(t,p)^{18}O from 0.6 to 1.75 MeV, 21:21466
- NEDVIDEK, A. Health education in Czechoslovak uranium industry, 25:42504
  - Health education in the Czechoslovak U industry, 24:50941
- NEDVIDEK, J. Incorporation of radiophosphorus into nucleic acids of frog embryo, 25:26617
- NEDYALKOV, I. Analog device for determining the velocity distribution function in electron plasma, 23:46484
  - Humoral effects upon the formation of antibodies, 23:38496
  - Hypothesis of quasi-stellar radio sources, 21:18381
  - Mechanisms of formation of jets in quasars, 23:44080
- NEDYALKOV, I. P. Diffusion of plasma in supermassive stars, 21:20642
  - Investigation of first baryon resonance by analytic continuation into unphysical region of πN scattering partial amplitude, 23:46720 (JINR-P2-4535)
  - Method for determining electron velocity distribution function in gaseous plasma, 23:30531
- NEDYALKOV, Ivan Mass and energy balance of massive and supermassive stars, 22:41147
- NEDYALKOVA, M. Antibody formation in irradiated rats, 25:21737
  - Effect of heterologous erythrocyte antigens on irradiated animals, 21:43450
  - Effect of massive blood transfusion on the therapeutic efficiency of bone marrow, 23:50880
  - Effect of radioprotectors on immune reaction of rats, 21:22487
  - State of the progeny of lethally irradiated animals treated with prophylactic and therapeutic drugs, 24:12131
- NEDYALKOVA, N. Direct spectral determination of rhenium in molybdenum and copper concentrates, 25:28945
  - Spectral investigation of a powerful pulsed capillary discharge in an inert gases atmosphere, 23:32373
- NEDYUKHA, I. M. Change in density of niobium and its alloys on alloying, 24:10067
  - Effect of radiation on certain characteristics of niobium and its alloys, 23:8256
  - Elastic properties of alloys of Nb with W, Mo, Fe, and Ni, 22:4790
  - Elastic properties of the alloys of Nb with Ta, V, and Ti, 21:11225
  - Elasticity modulus of Nb—Ti alloys with V, W, and Cr admixtures, 22:10959
  - Increasing the oxidation resistance of niobium at high temperatures, 21:28727
  - Investigation of interatomic interaction in alloys of the niobium—tungsten—molybdenum system, 21:3519
  - Radiation effects on certain properties of niobium and niobium alloys, 22:8801
- NEDZVETSKII, V. S. Separation of B isotopes on basis of isotopic exchange reaction between BF$_3$ and BF$_3$-phenetole complex, 21:32246
  - Separation of the boron isotopes, 23:28962
- NEE, S. F. Electromagnetic wave scattering from a magnetically confined high-temperature plasma, 24:8513
- NEEB, K. H. Activation analysis of Te, Cl, Tl, and Ni in Se, 24:2155
  - Determination of trace impurities in gallium and gallium arsenide, 23:35029
  - Determination of U content and UO$_2$ stoichiometry in ThO$_2$—UO$_2$ nuclear fuels, 25:57305
  - Heating experiments with (Th/U)O$_2$ particle fuels, 23:36262
  - Irradiated nuclear reactor materials, 21:23760
  - Irradiation tests with vibrocompacted (Th/U)O$_2$ particles, 25:19291
  - Problems of nuclear fuel analysis, 24:38703
  - Use of a Ge(Li) detector in radiochemical analysis. I, 24:4255
- NEECE, G. A. Equation of state for dense hydrogen from zero to 10,000°K, 25:19472 (UCRL-50985)
- NEED, J. L. Target angle optimization for minimum energy spread, 21:4361
- NEEDELLEC, P. Superconductivity and phonon spectra of AlGe thin films, 25:40567
- NEEDES, C. R. S. Calculation of the equilibrium distribution of metal-ion complexes in multicomponent aqueous systems, 25:57398 (NIM-1093)
  - Three-dimensional predominant-area and solubility diagrams for uranyl carbonate and uranyl sulphate systems at 25°C, 25:57399 (NIM-1144)
- NEEDHAM, P. B. Jr. Excitation of Al K and Hf M x-ray lines by 70 to 400-keV H^{+}, He^{++}, N^{++}, O^{++}, and Ar^{++} ions, 24:37186
  - Ion excitation of characteristic x rays for elements with 72 less than or equal to Z less than or equal to 92, 25:7142
- NEEDHAM, Paul B. Jr. Application of high-velocity ions to metallurgy research, 25:2604 (CONF-700322-, pp 155-71)
- NEEF, D. E. Technical publications of Battelle-Northwest during 1967, 22:53263 (BNWL-700)
- NEEF, N. Influence of single irradiation and heat treatment on the properties of BeO, 25:4892
- NEEF, W. I. Conservation economics and reactor technology, 21:21667
  - DAEDALUS: code to generate linear programming simulation of nuclear power economy, 22:42165 (BNWL-796)
  - DAEDALUS: code to generate linear programming simulation of nuclear power economy, 22:42166 (BNWL-796(App.))
- NEEF, W. S. Jr. Failure analysis of tie-rods on Alice baseball magnet, 21:23154 (UCID-15101)
- NEEF, William I. GALAHAD: code for optimizing control of xenon transients with dynamic programming, 23:33038 (GA-9166)
- NEEFJES, G. A. Highly TBP-extractable dimeric- and TBP-compounds in the nitrato and nitro-series of aquo-RuNO, 25:39565 (KR-143)
- NEEL, J. BIM, a large 10-MJ magnet, 25:1148
  - Protection of large superconducting coils, 24:30288
  - Protection of large superconducting coils, 25:27663 (ORNL-tr-2436)
- NEEL, J. W. Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
- NEEL, James N. Radiation Control for Health and Safety Act of 1968. Its impact on the radiologist and the states, 25:46879
- NEEL, James V. Atomic bombs, inbreeding, and Japanese genes, 21:18161
  - Conference on human genetics, Chicago, 3rd International, 9/66, 23:38527
  - Evaluation of the effects of chemical mutagens on man: the long road ahead, 25:18965
  - Observations on the sex ratio among infants born to survivors to the atomic bombings of Hiroshima and Nagasaki, 21:8765
  - Survival in the children of parents exposed to atomic bombings, 21:16511
- NEEL, Louis Fundamental research in nuclear research centres, 21:29850
- NEEL, P. Spectrometers for proton dynamic polarization in a 50 kG field, 25:38824
- NEELAKANTAN, K. A. Flux of heavy nuclei in cosmic rays over Texas in March 1962, and solar cycle modulation, 21:46182 (N-67-18984)
- NEELAND, J. Performance of CdTe as a gamma spectrometer and detector, 24:39344
- NEELAVATHI, V. N. Semiclassical estimation of neutron stopping power, 25:38530
  - Stopping power of matter for protons and muons at extreme relativistic energies, 23:46743
- NEELEY, A. C. High-density tungsten spheres, 23:3032 (Y-1654)
  - Hot isostatic pressing experience of Oak Ridge Y-12 Plant, 23:35365 (Y-1683)
- NEELEY, V. I. F centers in thorium oxide, 21:33020
- NEELY, G. 27-plet unitary symmetry operator, 25:3426
- NEELY, G. W. Thermal neutron activation of adhesive tapes, 24:18929
- NEELY, Glenn W. Portable beta—gamma foot monitor, 23:4828
- NEELY, H. H. Cryostats for low temperature electron irradiation and annealing studies from 4.2 to 900°K, 22:30747 (NAA-SR-Memo-12404)
  - Damage rate and recovery measurements on zirconium after electron irradiation at low temperatures, 24:42783
  - Electron irradiation and recovery of tungsten, 22:44249
  - Electron irradiation of Cu and Al above stage I, 21:7358
  - Physical research, 23:12955 (AI-AEC-12721, pp 339-55)
  - Radiation damage in crystalline solids, 23:22579 (AI-AEC-12744, pp 169-78)
  - Recovery of electron-irradiated zirconium at low temperatures, 22:24446
  - Resistivity studies of electron-irradiated iron, 22:4815
  - Void formation in nickel during high temperature proton irradiation, 25:32753
  - Void formation in proton irradiated stainless steel, 25:42917
  - Void formation in proton-irradiated stainless steel, 24:36937 (AI-AEC-12961)
- NEELY, James Watson ^{17}O nuclear magnetic resonance studies of first hydration sphere of diamagnetic metal ions in aqueous solution, 25:51472 (UCRL-20580)
- NEELY, Orville Television contribution to genetically significant radiation dose of population, 25:42366
- NE'EMAN, Y. Algebraic aspects of Regge recurrences, 21:17159
  - Analysis of the Serpukhov total cross section data with the algebra of vertex strengths, 25:3385
  - Approximate symmetries of hadrons, 22:13823
  - CHN universality and cuts in complex-l plane, 23:15289
  - Consequences of unitarity in some models of CP violation, 24:37839
  - Elementary particle physics, 23:27758 (AD-677336)
  - Fifth interaction and baryon masses, 25:14706
  - Generalizations of W spin, 24:37745
  - Inhomogeneous completion of non-compact semisimple groups with the maximal compact subgroup as little group, 21:948
  - Large-angle scattering and the fifth interaction, 22:46468
  - Modified vector dominance in the algebra of vertex strengths, 23:49095
  - Origin of SU(3) and its breaking, 23:30786
  - Regularities arising in composite-hadron picture, in terms of a theory of high-energy currents, 22:17929
  - Role of hadron algebras, 23:46696

Scale of meson and baryon couplings and universality in the algebra of factorized residues, 22:37181
Schwinger terms in an algebraic quark model, 24:49454
Spontaneous symmetry breaking and the Cabibbo angle, 23:18949
Strong interaction physics, 23:18951
Structure of the high energy currents, 21:29558
Suppression of Regge cuts at $t = 0$ due to universality of factorized residues, 22:13776
Theory and applications of unitary spin, 24:5326
Time-reversal violation and the arrows of time, 25:3423
Vanishing of restricted deformation of local U_6 x U_6 current algebra, 25:47828
NE'EMAN, Yuval Algebraic description of hadron matter and its observational implications, 21:29515
Algebraic theory of particle physics, 22:1400
Algebras in hadron physics, 22:39443
Charge exchange and associated production in the algebra of factorized residues, 21:29539
CHN algebra and Regge cuts, 22:17936
Classification, dynamics, and relativistic quantum field theory, 25:47771
Contracted commutators and the SU(6) description of hadron spectrum, 24:37853
Lagging-core model for quasi-stellar sources, 22:11167
Nishijima's model with fifth interaction, 25:14639
Nuclear physics implications of spin 2 multiplet, 22:39433
Particle spectrum for contracted current commutators, 23:34572 (CALT-68-198)
Progress in five Coral Gables conferences on symmetry principles at high energy, 22:39310
Representations of local I-spin charge densities. I, 25:12181
Representations of the algebra of integrated contracted current commutators, 24:52167
Research program in elementary particle theory. Progress report No. 2, 25:45685 (ORO-3992-59)
Time-reversal symmetry violation and the oscillating universe, 25:27424
What's happening in particle physics, 21:18934
NEEPER, D. A. Ion motion and vortex-ring formation in liquid ^{4}He and ^{3}He—^{4}He, 23:30469
Rapid startup of ^{3}He—^{4}He dilution refrigerator, 22:19902
Vortex-ring formation by negative ions in He II under pressure, 22:41524
NEERGAARD, J. R. RAYMATH: FORTRAN IV code to compile simple instructions for array mathematics and manipulation, 23:32952 (LA-4049)
Scattering of gamma rays in an exponential atmosphere, 22:38875 (LA-3944)
NEERGARD, K. Coriolis interaction between octupole states in the even Dy isotopes, 24:1876
Microscopic description of nuclear vibrations, 24:52659
Microscopic description of nuclear vibrations when phonons occur at relatively low energy. II, 25:15205
Octupole states of nuclei with 152 less than or equal to A less than or equal to 190, 24:38366
NEES, Wilbur L. Lattice-dynamical properties of ^{57}Fe impurity atoms in Pt, Pd, and Cu from precision measurements of Moessbauer fractions, 22:46212
NEESON, John Francis Gamma-ray spectroscopy and collective excitations in ^{103}Rh and ^{127}I, 21:7807
NEET, D. Beam monitors based on light observation for the beam switchyard on the Stanford two-mile linear accelerator, 21:38134
Controls for the CERN Intersecting Storage Rings, 23:28144
Instrumentation and electronics for the SLAC beam switchyard, 21:38127
SLAC beam switchyard control computer, 21:38128
NEET, D. A. G. Beam profile monitors for fast and slow extracted proton beams, 23:28161
Design problems in the beam switchyard of the Stanford linear accelerator, 21:29774
Instrumentation, computer control, and electronic systems for SLAC beam switchyard, 21:17213 (SLAC-68)
NEET, T. E. Effects of amine catalysts on the physical properties of a rigid urethane foam system, 25:2818 (BDX-613-170)
NEFED'EVA, L. S. Two-sided coupling of a measurement center with a computer, 22:38156
NEFEDOV, A. P. Effect of Nb on transformations in V—Ta alloys, 21:11250
Effects of molybdenum on solid-state transitions in vanadium—tantalum alloys, 21:493
Influence of the temperature of cooled double probes on measurements electron temperature in plasma at atmospheric pressure, 24:21767
Influence of thermal interface layer in channel on measurements of flowing plasma temperature, 24:49050
Solid-state phase transformations in vanadium—tantalum alloys, 21:494
NEFEDOV, N. N. Welding of graphitic carbon substances, 22:15242
NEFEDOV, V. D. Astatine, 21:47 (JINR-P-2895)
Beta-decay processes of ^{131}I as a method for the preparation of onium derivatives of Xe, 22:6362 (ANL-Trans-537)
Chemical changes during electron capture of ^{123}Xe in certain inorganic systems, 24:38987
Chemical changes in β-decay of RaE in tri-para-sulfamoylphenylbismuth compound, 22:37821
Determination of the boiling point of astatobenzene, 25:8259 (ANL-Trans-869)
Influence of the conjugation on the stability of the primary molecular ion, 21:8255
Kinetics of isotopic exchange by central atom in system $Ph_2Te—Ph_2TeCl_2—CHCl_3$, 23:43324
Methyl cation reactions during β decay of tritium in methane and certain halide derivatives, 23:6165
Preparation of phenylxenonium derivatives in β decay of radioactive iodine isotopes in iodobenzene, 23:6192
Preparation of phenylxenonium derivatives in β decay of radioactive iodine in diphenyliodonium salts, 23:6193
Preparation of Xe onium derivatives by ^{131}I β decay, 21:28043
Production of O compounds of Xe by β decay of I isotopes and study of their properties, 21:4497
Production of XeO_3 by β decay of ^{131}I in HIO_3 and I_2O_5 composition, 21:5981
Reaction with benzene of ^{123}I and ^{211}At formed from the noble gases during K-capture, 25:8284 (ANL-Trans-870)
Reactions of ^{123}I and ^{211}At with benzene during K capture from noble gases, 24:38946
Separation of nuclear isomers of ^{133}Xe, 21:21510
Studies of chemical results of ^{131}I β decay in iodoxybenzene, 21:17694
Study of the isotopic exchange by peripheral atoms in halide derivatives of aromatic compounds of tellurium, 24:38836
Use of β-decay processes as methods for obtaining and studying reactions of free carbonium ions, radicals, and carbenes, 23:6164
NEFEDOV, V. N. Angular spectra of neutrons in ternary fission of ^{235}U, 21:25536
Measurement of energy spectra and average number anti ν of prompt neutrons produced in fission of actinide elements, 25:15118
NEFEDOV, V. V. Interaction cross section of 14-MeV neutrons with ^{207}Pb and ^{208}Pb nuclei, 25:48086
Scattering of neutrons on Mg, 25:28265
NEFEDOV, Yu. G. Criteria of radiation safety in prolonged space flights, 21:43391
Examination of "Soyuz-9" spaceship crew, 25:24153 (JPRS-52402, pp 34-41)
Medical study performed during flights of Soyuz spacecrafts, 24:905
Model investigations of cosmic radiation biologic effect, 22:23652
RBE of high-energy protons, 22:23670
NEFEDOV, Yu. Ya. Improvement of the time resolution of the analyzer by means of an amplitude correction circuit, 22:36141
NEFEDOVA, A. I. Absorbed doses after irradiation, 22:47542
Growth and survival of Pteris longifolia after irradiation, 22:47638
Influence of x rays on germination of spores and development of sprouts of fern, 21:11114
NEFEDOVA, M. N. Effect of substituents on hydrogen exchange reaction of some ferrocene derivatives, 25:4069
Use of correlation equations in the case of the isotopic exchange of hydrogen in the ferrocene series, 21:19593
NEFEDOVA, N. I. Natural radioactivity of Jurassic polymictic sandy-argillaceous deposits of Mangyshlak peninsula, 25:23707
NEFF, C. M. Emission spectrographic analysis of purified calcium metal, 22:1967 (Y-1590)
NEFF, Everett L. Jr. Effect of Na fluorescein and plating medium on recovery of irradiated E. coli, 25:8807
NEFF, J. S. Intermediate bandpass photometry of galaxies and globular clusters, 24:42475
NEFF, John S. Spectral energy distribution of the barium stars, 24:17487
Spectrophotometry of omicron Ceti, 24:51286
NEFF, N. Decay of ^{139}Pr, 21:29975
Decay of /sup 44m/Sc, 21:33936
Decay of 8 d /sup 106m/Ag, 22:7727
Energy of the ^{40}K gamma ray and its use as a calibration standard, 21:28239
New determination of the deuteron binding energy, 21:33876
NEFF, R. Investigation of ^{6}Li(d Vector,α)^{4}He reaction, 25:59737
Reaction ^{6}Li(d Vector,α)^{4}He below 1 MeV, 25:53630
NEFF, R. A. Neutron emission rates and energy spectra of two ^{238}Pu power sources, 22:30783
Neutron emission rates and energy spectra of two ^{238}Pu power sources, 23:38191
Neutron energy spectra of different size ^{238}Pu—Be(α,n) sources, 23:3900
Radiation measurements of ^{238}Pu endogenous heat study sources for artificial heart program, 23:9650 (MLM-1556)
NEFF, R. D. Relative radiation sensitivity of circulating small and large lymphocytes, 23:2932
NEFF, Richard D. Effect of gamma radiation on Serratia marcescens. Studies on the radiosensitivity of prodigiosin production, 24:48758
Linear absorption coefficients for γ rays in tissue, 24:44499
NEFF, T. L. Eikonal approximation in pseudoscalar theory, 25:53292
Large-mass timelike muon pairs in hadronic interactions, 24:5319
NEFKENS, B. M. K. Calibration of a photon detector using monoenergetic photon beam, 23:35468 (UCLA-34-P-106-33(Rev.))
Determination of the phase of the CP-nonconservation parameter eta/sub + -/ in neutral K decay, 21:11734
Measurement of inverse pion photoproduction near the P_{33}^{0}(1236) resonance, 25:14567
Measurement of pion spectra in the decay $K_2^{0} \rightarrow \pi^{+} + \pi^{-} + \pi^{0}$, 21:33595
Measurement of the $\pi^{-}p \rightarrow n\gamma$ differential cross section, 24:18081
Muon polarization in K/sub μ3/⁰-meson decay, 23:14957
Search of Roper resonance in $\pi^{-} + p \rightarrow \gamma + n$, 23:49027 (UCLA-34-P-106-42)
Upper limit on decay rate K/sub L/⁰ $\rightarrow \pi^{+}\pi^{-}\gamma$, 22:46317 (COO-1195-129)
Upper limit on the decay rate K/sub L/⁰ $\rightarrow \pi^{+}\pi^{-}\gamma$, 23:3638
NEFZGER, M. D. Proteinuria in Hiroshima and Nagasaki, Japan, 22:23578
Proteinuria in Hiroshima and Nagasaki, 22:51685
NEFZGER, M. Dean Eye findings in survivors of Hiroshima and Nagasaki, 23:29711
Lens findings in atomic bomb survivors: a review, 22:36376
NEGANOV, B. S. Method of obtaining very low temperatures, 23:42121 (BNL-tr-276)
Method of producing superlow temperatures by diluting ^{3}He in ^{4}He, 23:3396 (ANL-Trans-681)
Method of producing superlow-temperatures by diluting ^{3}He in ^{4}He, 22:50093 (JINR-P13-4014)
Simple ^{3}He—^{4}He dilution refrigerator, 25:14214
NEGANOVA, N. L. Results of histochemical studies of glycogen and liver cells ultrastructure of irradiated rats, 25:13378
NEGELE, J. W. ^{41}Sc—^{41}Ca Coulomb energy difference, 25:28253
Analysis of electron scattering and muonic x-rays for ^{208}Pb, 24:8906
Semi-analytical theory of muonic x-ray levels, 22:48618
Structure of finite nuclei, 24:38342
The structure of open-shell nuclei in the pairing model, 24:26687
NEGELE, John William Structure of finite nuclei in the local density approximation, 25:7922
NEGI, B. S. Uranium mineralization in India, 24:25150
NEGIN, C. A. Dry sipping operations and results at Elk River reactor, 5/67, 23:11121 (NUS-394)
NEGISHI, M. Rheological properties of elastomers based on cellulose fibers, 24:27141
NEGISHI, Nobuyuki Probe measurements of flowing partially ionized high-density gases, 23:6983
NEGITA, Hisao Fractionation of tritium in crystallization of inorganic hydrates, 25:10688
Isotope effects of tritium in the hydration process of heptahydrated nickel sulfate, 23:33196
NEGOESCU, Irina Chemical effects of nuclear reactions in doped compounds. II, 24:48119
NEGOIU, M. Spectrophotometric study of the reaction between U(VI) and 8-hydroxy-7-iodoquinoline-5-sulfonic acid: determination of U, 21:35
NEGORO, Akihiko Air contamination of KUR, 24:16707
Characteristics test of KUR radiation monitors. I, 23:2557 (KURRI-TR-23)
Radioactive dust in air at KUR operation, 23:40391 (KURRI-TR-56)
Radioactive dusts in laboratories, 23:4928 (KURRI-TR-4)
NEGORO, Hideo Effect of irradiation to central nervous system, 23:50875
Effect of irradiation to the central nervous system, 23:14262
NEGORO, T. Kinetic studies on the reactions of 2- and 4-alkyl-substituted heteroaromatic ň-oxides with acetic anhydride, 22:27702
NEGREI, S. A. Ge(Li)-spectrometer for the study of γ radiation due to radiative capture of thermal neutrons, 24:36603
Semiconductor gamma spectrometer, 25:8541
NEGRI, G. L. Effects of small doses of gamma radiation on skeleton in chick embryo, 21:20406
Method of presenting data in scintillography: the colored iso-chart, 22:49444
NEGRI, Giulio Mixed oxides of Tb—Ce, Tb—Th, and Tb—Gd, 25:30007
NEGRI, P. Picture analysis for Gargamelle, 22:12621 (CERN-67-26(Vol.1), pp 313-27)
Projector for Gargamelle's pictures, 25:34951 (CONF-700623-(Vol.1), pp 334-44)
NEGRI, Pietro Reconstruction of fiducial marks and cameras utilizing simultaneously all the photographs available, 23:9747
NEGRIN, Alan E. Subsystem test data analysis by digital computer, 21:34198 (SC-DC-67-1753)
NEGRINE, S. M. Crossing-symmetric unitarization of the Veneziano amplitude, 25:12196
Cusps on Regge cuts, 24:1662
k-space method for asymptotic behavior of Feynman integrals, 24:37888
NEGRINI, R. Determination of reactivity and flux distribution in all Latina Reactor: comparison with experimental result of start-up, 22:50761
Heat supply to a desalination unit, 23:49621
Nuclear energy in 1968, 23:26024
Nuclear energy in 1969, 24:40726
Nuclear energy in 1970, 25:34233
NEGRO, A. Solid state reaction between U_3O_8 and MgO, 23:51133
Solid state reaction between U_3O_8 and MgO. II, 24:7441
NEGRO, Alfredo Preparation and properties of $UO_2Mo_2O_7.3.5H_2O$ compounds, 25:39476
Solid-state reaction between U_3O_8 and 3MgO, 24:29252
System Nb—H and Ta—H, 23:3122
NEGRO, G. C. Remarks on modelled apparatus for endo-oral contact radium therapy, 21:26437
NEGRO, V. New cosmic-ray ionization measurements at balloon altitudes, 25:4990
NEGRO, Vincent C. A guarded insulated gate field effect electrometer, 21:32506
NEGUERUELA, J. Pulmonary scintigraphy for tumor diagnosis, 23:48121
NEGULESCU, R. Use of radiation effects in chemistry, 23:43344
NEGUS, B. Experience with SGHWR Power Plant, 24:28927
NEGUS, C. R. Spatial variability of the solar x-ray spectrum below 20A, 22:52338
NEGUS, P. J. Elasticity of the Σ(2030), 25:9681
Kinematic fitting of neutron target reactions in a deuterium bubble chamber, 23:43597
NEGY, J. PHENIX: first French fast neutrons power plant, 25:53906 (A/CONF.49/P-584)
NEHARIN, A. Variation of peripheral blood counts in rats repeatedly exposed on recovery to total body low level radiation (50 r), 21:39514

NEHER, G. H. Ultrastructure of 19S antibody-producing cells from ALS, PHAS, and D_2O-treated animals, 25:37739 (RLO-2226-T-3-4)
NEHER, G. M. Experimental hypopituitarism in swine, 22:36365
NEHER, Galen H. Ultrastructure of primary immune response: development of 19S antibody-producing cells, 24:31187 (RLO-1927-45)
NEHER, H. V. Comparison of the flux of cosmic-ray particles measured in space to that deduced from balloon flights using ionization chambers, 22:2862
  Cosmic rays at high latitudes and altitudes covering four solar maxima, 25:22386
  Cosmic-ray particles that changed from 1954 to 1958 to 1965, 21:18477
  Response to environment and radiation of an ionization chamber and matched Geiger tube used on spacecraft, 21:6257
NEHLS, K. Radiation injury as a tumorigenic factor, 22:4667
NEHMER, J. Real time computation of cross correlation for pseudorandom time-of-flight experiments, 24:493 (KFK-981)
NEHNEVAJSA, Jiri Summary on American views on civil defense in the cold war context: 1966, 21:41388 (AD-649543)
NEHREN, R. Physical properties of diphenyl, o-, m-, and p-terphenyl and their mixtures, 22:8113
NEHRIG, D. A. Current practice in high-temperature gas-cooled reactor core design, 25:41392
NEHRIG, Dean A. Fuel element, 21:27843
NEHRING, K. Method for simultaneous determination of ^{90}Sr—^{45}Ca, 22:8012
NEHRING, R. Oxibase scale and displacement reactions. XVIII, 23:9388
NEHRU, A. Y. Effect of external electrical field on oxidation rate of U, 23:38927
NEIBEL, John B. Conference on medical radiation information for litigation, Baylor Univ., Houston, Tex., 11/68, 24:29760 (DMRE-69-3)
NEIDER, R. Leak testing containers and capsules for radioactive materials, 24:27314 (CONF-690540-, pp 141-51)
  Tests for integrity of containment and shielding and criteria for rejection of packaging, 25:51817
  Use of a (d,T)-neutron generator for activation analysis, 24:43984
NEIDER, Rudolf Radiographic investigation of the microdistribution of nuclear fuels in thin layers, 21:10208
NEIDERS, M. E. Relationship between ^{85}Sr uptake and histological changes during healing in dental extraction wounds in rats, 24:11914
NEIDHARDT, Glen L. Elastic free-field motion due to nuclear air blast, 23:17633
NEIDHARDT, M. Immunosuppression during the treatment of solid tumors and acute leukemia in childhood, 24:616
NEIDHARDT, Malte Antibody depression, 24:14437
  Formation of hemagglutination-inhibiting antibodies to A PR8 influenza virus, 24:9789
NEIDHARDT, W. J. Effect of uniform electric fields upon a weakly interacting boson gas, 21:13473
NEIDHARDT, W. Jim Introduction to many-body formalism, 22:13388
NEIDIG, Donald F. Jr. Identification of two distinctive types of centimeter radio bursts with flare location, 25:47287
  Observation of a vortex ring in the solar atmosphere, 24:42424
NEIDIGH, R. V. CuD in Burnout V, 25:24852
  Detection of light nuclei with cellulose nitrate, 21:8614
  Doppler-broadened spectral emission from turbulently heated plasma, 23:42278
  Energetic electron plasma blanket, 21:27205
  Experimental strong turbulent heating, 23:32313
  Multiply charged heavy ions produced in a hot electron plasma, 24:37178 (ORNL-TM-2981)
  Oscillations present in plasma-electron heating by an electron beam, 22:41580
  Production of d—d reactions by beam-plasma interaction in the steady state, 21:31473
  Turbulent ion heating in burnout V, 24:47195
  Understanding turbulent ion heating in the Oak Ridge mirror machine, Burnout V, 25:38348 (CONF-710607-62)
  Use of optical spectra to measure large electric fields in a hot-ion plasma, 25:11874
NEIDL, H. Determination of U content and UO_2 stoichiometry in ThO_2—UO_2 nuclear fuels, 25:57305
  Use of a Ge(Li) detector in radiochemical analysis. I, 24:4255
NEIDNER, R. Operating experience with EBR-II, 23:47207 (ANL-7520(Pt.2), pp 24-38)
NEIFAKH, A. A. Effect of x irradiation on synthesis of RNA, 21:22724
  Morphogenetic function of nuclei in tissue differentiation in development of fish embryo, 21:1799
  Morphogenetic function of nuclei in goldfishxloach hybrids, 22:21584
  Protein synthesis in early development of gurnard after radiation inactivation of nucleus, 22:51353
NEIFERT, R. D. Response of weapons detectors to fast rising signals. I, 22:19099 (UCID-4675)
NEIGE, R. Uranium determination in thin layers of rocks by dielectric detectors, 25:10476
  Uranium isotopic determination in rocks by neutron activation, 25:10494
NEIGENFIND, G. Influence of the fixed ions of anion-exchange resins on the adsorption of metal complexes, 21:32245
NEIGHBOR, J. E. Anomalous resistance of pure Ga near 1.7°K, 21:18545
  Deviations from Matthiessen's rule in In, 24:6658
NEIGHBORS III, Thomas H. Isoperimetric solutions related to the thermodynamics of plasmas, 23:27633
NEIGHBOURS, J. R. Ultrasonic determination of the pressure dependence of the superconducting energy gap in tin, 23:1339
NEIL, C. M. Radiation exposure to the hand from handling /sup 99m/Tc, 24:12088
NEIL, G. R. Measurements of neutron polarizations resulting from reactions in light nuclei, 25:53589
NEIL, L. C. Lazy Susan device for radioactive sample mounting, 21:2985
NEIL, V. K. Decay of image currents and some effects on beam stability, 25:7793
  Interaction of a ring of charge passing through a cylindrical rf cavity, 22:46623 (UCRL-18103, pp 365-75)
  Livermore high intensity electron storage ring, 25:50201 (UCRL-73146)
  Resolution of an apparent discrepancy between the results of Ivanov and Briggs—Neil, 22:46635 (UCRL-18103, pp 446-7)
  Stability analysis of levitated superconducting current ring, 24:45280
  Stability of E-layer and plasma in astron configurations, 22:36953 (UCRL-70876)
  Stability of E-layer and plasma in Astron, 23:32448
  Stabilization of non-relativistic beams by means of inductive walls, 23:15326
NEIL, V. Kelvin Coherent instabilities in high current linear induction accelerators, 24:30660
  Effect of inductive and capacitive walls on the diocotron instability, 22:34723
  Magnetic forces on a coil moving in a conducting tube, 24:49102
  Negative mass instability, 21:6984 (UCRL-14406)
  Negative mass instability, 21:9533
  Review of dynamic instabilities in circular accelerators, 21:17218 (UCRL-70205)
  Stability of a current ring supported in a magnetic field, 23:14700
NEILL, Catherine A. Radioisotope scanning of the lung in cyanotic congenital heart disease, 23:45797
NEILL, D. T. Several deterioration mechanisms of the materials testing reactor beryllium, 23:35991 (IN-1289)
NEILL, F. H. Adsorption and desorption of iodine on mild steel, 24:22623 (ORNL-TM-2763)
  Calculating convective plateout of fission products, 21:40697 (ORNL-P-3205)
  Calculating convective transport and deposition of fission products, 22:46915 (ORNL-TM-2218)
  Design of loop for fission-product deposition tests up to 1500°F, 23:33120 (ORNL-TM-2532)
  Evaluation of sliding seals for operation in dry helium, 22:33583 (ORNL-TM-1661)
  Redesign of a high-temperature engineering-scale facility for determining steam—graphite reaction rates, 23:21858 (ORNL-TM-2455)
  Simplified approach to calculating convector plateout of fission products, 22:5964
  Theory of diffusion tubes, 21:6136
NEILL, J. D. Radioimmunoassay for rhesus monkey luteinizing hormone (RhLH), 24:34144
NEILL, J. M. Calibration and use of a 5-in.-diam lithium glass detector, 23:11758 (GA-9048)
  Calibration and use of a 5-inch diameter lithium glass detector, 24:33881
  DSZ and PREDSZ: FORTRAN IV codes for computing slowing down sources, 22:32426 (GA-8556)
  Experimental kinetic studies on depleted-uranium sphere, 21:38186
  Fast neutron spectra in multiplying and non-multiplying media, 22:29829 (GA-8551)
  Fast reactor spectrum measurements, 24:33409 (GA-9946)
  Fast reactor spectrum measurements. Quarterly progress report for the period ending April 30, 1970, 24:36064 (GA-10146)
  Fast reactor spectrum measurements. Technical summary report, February 1, 1970—January 31, 1971, 25:36991 (GULF-RT-10523)
  Fast-neutron spectra in a depleted-uranium sphere, 21:38211
  Intermediate-energy fast reactor spectra by time-of-flight, 22:32452
  Lattice physics studies, 24:26742 (GA-9658(Vol.1))
  Lattice physics studies, 24:26743 (GA-9658(Vol.2))
  Measurement of reaction ratios and neutron spectra in a soft-spectrum fast reactor, 23:4335
  Measurement of the thermal-neutron spectrum in a small uranium rod, 22:5741
  Measurements of position-dependent neutron spectra, 23:37636
  Neutron spectra and kinetic properties in fast subcritical assemblies containing ^{235}U, ^{238}U, and C, 25:54215
  Neutron spectra in cold beryllium, 21:38197
  Neutron spectra in homogeneous media and lattices containing Pu and H_2O, 23:37751
  Neutron spectrum measurements and analysis in STSF-3 and STSF-4, 23:37635
  Neutron spectrum measurements and analysis in the fast assemblies STSF-5, 24:33431
  Neutron thermalization in benzene, 22:53072
  Neutron thermalization in diphenyl, 21:38156 (GA-8050)
  Neutron thermalization in light water, 21:25409
  Perturbation of neutron spectra by a beam extraction hole, 23:4450
  Position-dependent neutron spectra in a triangular lattice of small uranium rods, 22:33049
  Position-dependent neutron spectra in a tight lattice of small uranium rods, 23:4365
  Prog. rpt. on integral neutron thermalization, 1—3/70, 24:38059 (GA-10060)
  Prog. rpt. on fast reactor spectrum measurements, 1/68, 22:27462 (GA-8543)
  Prog. rpt. on fast reactor spectrum measurements, annual, 4/68, 22:47008 (GA-8715)
  Prog. rpt. on fast reactor spectrum measurements, 8—10/68, 23:21559 (GA-9140)
  Prog. rpt. on fast reactor spectrum measurement, quarterly, 4/30/69, 23:37462 (GA-9386)
  Prog. rpt. on fast reactor spectrum measurements, 5/68—1/69, 23:43147 (GA-9259)
  Prog. rpt. on fast reactor spectrum measurements, 7/31/69, 23:52404 (GA-9669)
  Prog. rpt. on fast reactor spectrum measurements, 10/31/69, 24:13538 (GA-9817)
  Prog. rpt. on fast reactor spectrum measurements, 7/31/68, 25:8116 (GA-9027)
  Prog. rpt. on fast reactor spectrum measurements, 2—4/71, 25:48306 (GULF-RT-10655)
  Prog. rpt. on fast reactor spectrum measurements, 5—7/71, 25:60156 (GULF-RT-A-10800)
  Prog. rpt. on integral neutron thermalization, annual, 10/67—9/68, 23:28211 (GA-9036)
  Prog. rpt. on integral neutron thermalization, annual, 10/68—9/69, 24:26573 (GA-9753)
  Prog. rpt. on integral neutron thermalization, 10—12/69, 24:33080 (GA-9901)
  Prog. rpt. on integral neutron thermalization, final, 12/30/70, 25:34423 (GULF-RT-10469)
  Prog. rpt. on lattice physics studies, 5—7/66, 21:19355 (GA-7378)
  Prog. rpt. on lattice physics studies, 10/66, 21:23599 (GA-7562)
  Prog. rpt. on lattice physics studies, 10—12/66, 21:29828 (GA-7683)
  Prog. rpt. on lattice physics studies, 1—3/67, 21:30138 (GA-7934)
  Prog. rpt. on lattice physics studies, 9/68, 23:17265 (GA-9051)
  Prog. rpt. on lattice physics studies, 12/31/68, 23:19526 (GA-9198)
  Prog. rpt. on lattice physics studies, 3/31/69, 23:33081 (GA-9329)
  Prog. rpt. on lattice physics, 6/30/68, 22:53414 (GA-8805)
  Reanalysis of plutonium lattice spectral data. Final report, November 1, 1969—April 30, 1970, 24:50184 (GA-10116(Rev.))
  Spatial measurements of thermal-neutron spectra around a single fuel rod, 21:8133
  Spatially dependent neutron spectra in a uranium slab, 22:22871
  Spatially dependent resonance neutron spectra in a slab of depleted uranium, 22:39930
  Spatially dependent thermal neutron spectra in slab and rod geometries, 21:19461 (GA-7508)
  Spatilly dpendent resonance neutron spectra in depleted uranium in slab geometry, 22:5739
  Status of thermal neutron spectra, 21:38153 (GA-7092)
  Thermal neutron spectra in slab and cylindrical geometries, 23:17274
  Total cross section measurements of H_2O, 22:7612 (GA-7581)
  Total neutron cross section of water, 22:41924
NEILL, John S. Heat transfer studies for D_2O power reactor program, 21:1504 (DP-1024)
NEILL, R. H. Panel: implementation of Public Law 90-602, 24:34185 (CONF-690335, pp 57-71)
NEILL, Robert H. Estimates of potential doses to various organs from x radiation emissions from color television picture tubes, 25:32424
  Radiation doses to children's thyroids from ^{131}I in milk, 23:31778
  Radiation protection guidance for underground engineering applications, 24:23231 (SWRHL-82, pp 664-70)
NEILLIE, W. F. S. Stability trends of 1:1 and 2:1 dialkylmalonato rare-earth chelates, 22:47214
NEILSEN, R. Stress-induced ordering of point defects in Cu near 10°K, 23:8669
NEILSEN, S. O. Pulse radiolytic determination of the ultraviolet absorption of hydrogen atoms in aqueous solution, 23:4691
NEILSON, C. H. Strontium-90 and ^{137}Cs in milks in Alaska, 24:17019
NEILSON, G. C. Automatic Van de Graaff voltage conditioner, 25:9930
  Detector for neutron time-of-flight experiments, 24:29532
  Double-stripping study of ^{14}O structure, 24:38105
  Double-stripping study of ^{14}O structure, 25:50637 (UAE-NPL-1009)
  Energy levels of ^{45}Sc(p,n)^{45}Ti reaction, 25:45951 (UAE-NPL-1019)
  Energy levels of ^{45}Ti, 25:10003
  Energy levels of ^{56}Fe, 23:42902
  Excited states of ^{10}B, 21:4221
  Ground state spin of ^{125}Te by polarization measurements of protons scattered via analogue resonances, 21:44722
  Isospin non-conserving nucleon decays of T = 3/2 levels in A = 21 nuclei, 25:53682
  K = $^1/_2$ and K = $^5/_2$ components in ground state of ^{27}Al, 24:13319
  Proton-pair transfer reactions, 24:43164
  Reaction ^{20}Ne(d,n)^{21}Na, 22:53142
  Reaction ^{40}Ca(d,n)^{41}Sc, 23:44879
  Reaction ^{42}Ca(d,n)^{43}Sc at E/sub d/ = 5.15 MeV, 22:26964
  Reaction ^{44}Ca(d,n)^{45}Sc at E/sub d/ = 5.5 and 6.0 MeV, 22:29971
  Simple target biasing system, 24:6790
NEILSON, G. F. Equation for exposure—dose rate due to x-ray continua, 21:41413
NEILSON, George Walter ESR in gamma-irradiated single crystals of unsaturated aliphatic hydrocarbons, 25:26301
NEILSON, H. R. Organoleptic evaluation of low-dose irradiated chicken, 23:38904
NEILSON, Thomas Christopher Improvements in fuel elements, 24:52925
  Improvements in gas-cooled reactors, 24:52941
  Improvements in nuclear reactors, 25:10230

- NEIMAN, E. Ya. Features of alloys of Zn with In, Pb, and Hg produced by treating Zn foil in amalgamated solutions containing In and Pb, 25:24583
- NEIMAN, M. Energy levels in ^{154}Dy, 22:44688
  - Vibrational bands in ^{156}Dy, 24:43362
- NEIMAN, M. B. Application of radioactive isotopes in chemical kinetics, 24:38868
- NEIMAN, W. N. Simulated radioisotope thrust system and component development, 23:29094 (N-69-10680)
- NEIMARK, A. I. Blood serum protein fractions in hypothyrosis caused by radioiodine, 24:36707
- NEIMARK, B. E. Some physical properties of vanadium, 25:32710
  - Thermal conductivity, specific electrical resistivity, and total emissivity of refractory metals at high temperatures, 25:2715
- NEIMARK, I. E. Electron paramagnetic resonance spectra of γ-irradiated decationized zeolites, 25:46512
  - Radiation-catalytic transformation of methanol in the adsorption layer on silica gel samples varying in specific surface area, 21:34290
- NEIMARK, L. A. Compatibility of carbide fuels with potential LMFBR claddings, 24:6247
  - Irradiation behavior of sodium-bonded (U,Pu)C fuel pins, 25:32859
  - Irradiation behavior of vibratorily compacted UC 20 wt. percent PuC powders, 21:8151
  - Movement of fission gas bubbles and inclusions in mixed-oxide fuel, 25:6014
  - Performance in EBR-II of carbide fuel elements, 23:36283
  - Performance of mixed-carbide fuel rods under fast-reactor conditions, 22:4912
  - Performance of mixed-oxide fuel elements, 23:36280
  - Performance of mixed-oxide fuel elements, 25:34371
  - Performance of vibratorily compacted mixed-oxide fuel rods under fast-reactor conditions, 21:38476
  - Plutonium fuels performance, 23:4236
  - Postirradiation examination of U—Pu—Zr fuel elements, 24:22403 (ANL-7602)
  - Postirradiation observations of sodium-bonded (U,Pu)C fuels, 25:4894
  - Profilometer for dimensional inspection of irradiated LMFBR fuel elements, 25:6033
  - Profilometer for the dimensional inspection of irradiated fuel elements, 25:51950
  - Status of engineering design and irradiation testing of the stainless clad-mixed oxide fuel system for fast breeder reactors, 25:39249 (A/CONF.49/P-77)
  - Swelling behavior of vibratorily compacted mixed carbides, 23:36284
- NEIMI, R. O. Heat transfer and hydraulics: effects of subcooled voids, 23:47699 (NYO-3679-8)
- NEIMOTIN, E. I. Asymptotic distribution of neutrons in a moving medium, 22:35209
  - Concerning the cone of radiation in the equation of the kinetic transport equation, 25:9609
  - Effect of acceleration of the medium on neutron spectra, 24:10896
  - Effect of nuclear motion on neutron pulse, 25:12350
  - Moments of the distribution function of neutron density, 25:38854
  - Moments of the distribution function of the neutron density, 25:57179
  - Neutron velocity spectrum in heavy nuclei, 25:5492
- NEIRINCKX, R. Determination of impurities in Ti and TiO_2 by neutron activation. I, 23:6067
  - Determination of impurities in Ti and TiO_2. II, 23:31318
  - Determination of impurities in Ti and TiO_2 by neutron activation analysis. IV, 24:22
  - Determination of impurities in Ti and TiO_2. V, 24:22616
  - Determination of impurities in Ti and TiO_2 by neutron activation analysis. III, 25:55
- NEIRINCKX, R. D. Extraction separation of carrier-free Bi from Pb and Zn, 25:29164
  - Production of Fe-free and carrier-free ^{67}Ga, 25:41881
  - Purification of cyclotron-produced ^{195}Au, 24:46314
  - Purification of cyclotron-produced ^{123}I by liquid—liquid extraction, 25:10674
  - Purification of cyclotron-produced ^{203}Pb from Tl, 25:10678
  - Purification of cyclotron-produced carrier free ^{139}Ce, 25:6380
  - Separation of cyclotron-produced ^{111}In from silver matrix, 24:38916
- NEIRINCKX, Rudi Dominique Neutron activation analysis of trace impurities in titanium and titanium dioxide, 25:8233
- NEISHTADT, E. L. Changes of morphological structure of the mammary gland cancer influenced by radiotherapy, 21:20249
  - Technique of concentrated irradiation of esophagus, 25:32562
- NEISIG, K. E. Data-collecting system for pulse radiolysis experiments, 23:41107 (EUR-4289, pp 243-6)
  - Digital positioning system of the slewing and inching type, 21:35804 (RISO-143)
- NEISS, Franz Heat exchanger with flat tubes and continuous fins, 24:36100 (ANL-Trans-835)
- NEISSE, Gerard Improvements in liquid level gauges, 23:721
- NEISSEL, J. P. Measurement of neutron fluxes under adverse conditions using Campbell's method, 22:12573 (ANL-7380, pp 165-7)
  - Prog. rpt. on in-core instrumentation development, 10/64—1/65, 22:8407 (GEAP-4797)
  - Prog. rpt. on reactor control systems, final, 7/65, 21:13973 (GEAP-4900)
- NEISTADT, N. M. Feasibility of prospecting for various genetic types of quartz veins using piezoelectric method, 24:11342 (BNL-tr-293)
- NEISWANDER, Patricia G. Growth of Re(VI) oxide single crystals, 24:27822
- NEITO, Michael Martin Mounting evidence for the existence of a neutral vector boson, 22:44388
- NEITZEL, William E. High-volume, real-time aerosol monitor, 23:33297 (SC-DR-69-56)
- NEIVA, Ana M. R. Evansite of Pisoes, 21:36171
- NEJEDLIK, J. F. Embrittlement characteristics of modified Co-base alloy (L-605) at 1200 and 1600°F, 21:28758 (TID-23826)
  - Vacuum pack and slurry coating processes for coating superalloys, 22:49698
- NEJEDLIK, James F. Mercury materials evaluation, 21:6755 (NAA-SR-6316)
  - Mercury materials evaluation, 21:6754 (NAA-SR-6311)
  - Mercury materials evaluation, 21:6756 (NAA-SR-6321)
- NEJEDLY, Z. Enzymic synthesis of radioactive nucleocides, 25:2520
- NEJMAN, M. B. Kinetic isotope method and its applications, 22:50952
- NEJTEK, Vilem Influence of radiation on glucose transport, 22:45647
- NEJTEK, Vilem M. Effect of AET on ^{22}Na transport in intestine of rats, 21:22248
- NEKHAI, A. P. Digital gain stabilizing circuit for a semiconductor gamma spectrometer, 21:16210
  - Digital system for maintaining the maximum beam intensity of neutron generators, 23:46885
  - Multichannel pulse-height analyzer, 21:39304
  - Pulse generator for stabilizing a spectrometer circuit, 25:8542
- NEKHENDZI, Yu. A. Cr—Ni alloy, 23:46072
  - Properties of cast nickel—chromium alloys alloyed with niobium and molybdenum, 25:29839
  - Properties of the chromium—nickel alloys containing niobium and molybdenum, 25:4782
- NEKHOROSHEV, R. S. Conversion of K_2CO_3 into $KHCO_3$ in gas loop of MHD generator, 25:7213
  - Use of turbulent washer for removal of ionizing additive in MHD generators, 25:2939
- NEKHOROSHEV, V. G. Low-temperature solid-phase radiation polymerization in binary systems, 24:16597
- NEKIPELOV, V. N. Isotopic exchange in carbon monoxide molecules on zinc and iron oxides, 25:18387
  - Isotopic exchange of carbon monoxide on zinc oxide, 25:31899
- NEKLYUDOV, I. M. Effects of loading on plasticity of Be monocrystals, 21:3495
- NEKRASOV, A. K. Cyclotron heating in nonuniform magnetic field, 25:9403
  - Cyclotron heating of a plasma in a nonuniform magnetic field, 25:9404
  - Radiative instability of a nonequilibrium plasma in magnetic traps, 25:14288
- NEKRASOV, A. M. Evolution of fuel—energy balance of USSR during 50 years of Soviet rule, 23:13348 (AEC-tr-6995)
- NEKRASOV, A. N. High-pressure gas target cooled by liquid nitrogen, 25:20128 (IFVE-SEF-70-22)
  - High-pressure gas target with nitrogen cooling, 25:50215
  - Vacuum system of Ogra-II, 23:8584
- NEKRASOV, F. M. Effect of high-frequency electromagnetic field on the stability of a slightly nonhomogeneous magnetized plasma, 25:1223
  - Ion-acoustic instability in current-carrying plasma, 25:3125
  - Oscillations of magnetized plasma in a standing wave (TE mode), 25:22565
  - Parametric excitation of ion-sound instability in a magnetized plasma, 24:12869
  - Stability of Langmuir oscillations of plasma, 24:6566
- NEKRASOV, G. K. Search for the decay $\mu^+ \rightarrow e^+ + e^+ + e^-$, 25:59254 (BNL-tr-449)
- NEKRASOV, K. G. Influence of the magnetic field on the spark chamber efficiency, 25:44683 (JINR-P13-5811)
  - Search for $\mu^+ \rightarrow e^+ + e^+ + e^-$ decay, 25:52999
  - Search for $\mu^+ \rightarrow e^+ + \gamma$ decay, 25:33658
  - Search for $\pi^+ \rightarrow e^+ + \tau$/sub e/ $+ e^+ + e^-$ decay, 25:59255 (BNL-tr-451)
  - Search for $\pi^+ \rightarrow e^+ + \tau e + e^+ + e^-$ decay, 25:33528
  - Search for the decay $\mu^+ \rightarrow e^+ + e^+ + e^-$, 25:19891 (JINR-P1-5542)
  - Search for the $\pi^+ \rightarrow e^+ + e^+ + e^- + \tau$ decay, 24:51917
  - Shift of discharge in spark chamber in magnetic field, 21:6244
  - Shower efficiency of spark chambers, 25:35006 (JINR-P13-5810)
  - Spark chamber magnetic spectrometer for studying the rare decays and interactions of particles, 24:50584 (JINR-P13-5170)
- NEKRASOV, L. N. Studies on the disproportionation reaction of pentavalent uranium by the rotating disk-ring electrode method, 25:44358
- NEKRASOV, N. D. Influence of purity and stability of the environment on the long-term strength and creep of refractory alloys, 25:22087
- NEKRASOV, P. Ya. Technique of large-field x-ray therapy of patients during the operation, 23:12169
- NEKRASOV, V. I. Geography of nuclear reactor sites, 21:32275 (AEC-tr-6719, pp 105-8)
  - Global contamination of the atmosphere by ^{85}Kr from worldwide nuclear power plants and the radiation danger, 25:54781 (JPRS-53174)
- NEKRASOV, V. V. Instrumental activation analysis of Au, Br, Mn, Na, Ta, and W, 25:26200
  - Instrumental activation analysis of micro-ingots of multi-constituent alloys, 25:46469
- NEKRASOVA, G. A. Ductility of aluminum—beryllium alloys, 21:31013
- NEKRASOVA, I. N. Influence of N-ethylmaleimide and para-chloromercurybenzoate on radiosensitivity of Ehrlich's ascitic carcinoma cells, 23:24705
- NEKRASOVA, I. V. Correlation between changes in radiation sensitivity and the level of endogenic thiol groups under the effect of radioprotective agents, 22:33848
  - Dependence of the radioprotective activity of cysteamine on oxygen pressure, 22:25888
  - Increase in the content of endogenous sulfhydryl compounds as the mechanism of radio-protective action, 21:18076
  - Investigation of the nature of the radioprotective action of cysteamine and sodium thioglycolate, 22:28617
  - Radiosensitizing action of N-ethylmaleimide, 25:26640
- NEKRASOVA, N. A. Radiation of Soviet-made television, 24:25489
- NEKRASOVA, N. P. Study of causes of incomplete uranium recovery from granular fluoride slag, 23:21803
  - System UF_4—CaF_2, 21:32170
- NEKRASOVA, N. V. Mechanism of the radiosensitizing effect, 24:39521
- NEKRASOVA, Z. P. Influence of technological factors on mechanical properties of molybdenum alloys at low temperatures, 25:32714
- NEKROT, A. A. Classical statistical theory of equilibrium systems of charged particles, 21:18673
- NEL, B. M. Economic comparison of alternative power generation strategies, 24:28917
- NEL, L. T. Nuclear reactor materials other than nuclear fuels, 21:36779 (PEL-74)
- NELEN, Joseph Lost City, Oklahoma, meteorite: laboratory investigation and comparisons with Pribram and Ucera, 25:40156
- NELEPCHENKO, O. M. Modernization of DRST-1 radiometer, 23:29242
- NELEPO, B. A. Apparatus for measuring the intensity of cosmic rays at great depths, 23:17797 (AD-661754)
  - Concentration of ^{90}Sr and ^{137}Cs in waters of Atlantic Ocean and seas, 3—6/64, 22:18994 (A-AC-82/G/L-1168)
  - Dissemination of radioactive contamination as result of discharge of radioactive waste into Irish Sea, 22:23179 (A-AC-82/G/L-1191)
  - Methods and devices for measuring the radioactivity of sea water, 25:37625 (JPRS-53090, pp 1-17)
  - Nuclear hydrophysics, 25:32096
  - Objective analysis of ^{90}Sr concentration field in Atlantic Ocean, 23:49968
  - Regularities of the radioactive contamination spreading in the ocean, 22:2257
  - Some features of the transport of radioactive contamination in the oceans, 25:51653
- NELIDOV, A. B. BSB Fe-free single turn synchrotron, 21:15449
  - Characteristics of the magnetic field of the BSB Fe-free synchrotron, 21:15448
  - Magnet power supply for the BSB Fe-free synchrotron, 21:15447
- NELIPA, N. F. Conspiracy and $\pi\Delta$ photoproduction, 24:52014
  - Introduction into the theory of strongly interacting particles, 25:45726
  - Photoproduction of a vector meson on a nucleon, 21:4016
  - Regge poles and $\pi\Delta(1236)$ photoproduction, 24:24309
  - SU(6) symmetry and the meson photoproduction on the proton, 21:11793
- NELIPOVICH, E. S. Accelerating system with parallel connected gaps, 25:41153
- NELIPOVICH, P. A. Increase of DNA fragments with an increase in the number of GC-pairs after irradiation of pea seeds, 22:51399
  - Modification of radiation damage to structure of DNA from embryos of seeds with homologous DNA, 25:29716
- NELISSEN, L. Rabi-type state-selector with focusing properties for molecular beams, 22:970
- NELKEN, M. Electric power in Israel, 23:37415
- NELKIN, Dorothy Nuclear power and its critics. The Cayuga Lake controversy, 25:34317
- NELKIN, M. S. Slow neutron scattering and thermalization with reactor applications, 25:46332
- NELKIN, Mark Effective-field approximations in classical liquids, 23:34708
- NELLEN, Bernd Angular correlations in reaction p anti p $\rightarrow 3\pi^+ 3\pi^- (\pi^0)$ at 3.6 GeV/c, 25:30733
- NELLEY, Peter Thomas Improvements relating to graphite structures in nuclear reactors, 22:25177
- NELLIGAN, William B. Method and apparatus for measuring neutron characteristics of a material surrounding a well bore, 25:54769
  - Methods and apparatus for measuring neutron characteristics of a material, 23:50200
  - Neutron thermalization analysis, 22:38122
- NELLIS, D. O. Compilation of cross sections and angular distributions of gamma rays produced by neutron bombardment of various nuclei, 25:41204 (ORO-2791-32)
  - Cross sections ^{10}B(n,$\alpha\gamma$), 25:53597 (CONF-701002-, pp 141-50)
  - Neutron-induced gamma-ray production cross sections for Si and W, 24:13310 (AD-694999)
  - Prog. rpt., final, 2/71, 25:41231 (ORO-2791-33)
  - Reaction ^{14}N(n,n'γ) for 5.8 less than or equal to E/sub n/ less than or equal to 8.6 MeV, 22:37291 (ORNL-TM-2267)
  - Reaction ^{14}N(n,n'γ) for 5.8 less than or equal to E/sub n/ less than or equal to 8.6 MeV, 23:5825
- NELLIS, Donald O. Gamma-ray yield from neutron interactions with ^{10}B, 24:3852 (ORO-2791-29)
  - Gamma-ray yield from neutron interactions with ^{10}B, 24:35830
  - Tritium contamination in particle accelerator operation, 22:43310 (PHS-999-RH-29)
- NELLIS, W. J. 5f magnetism in palladium—actinide solid solutions, 25:43488
  - Magnetic plutonium impurities in palladium, 24:42827
  - Magnetism in Pd-actinide alloys, 25:12003
  - Resistivity anomalies in gadolinium, 23:27709
  - Resistivity minima in Pd(Np) alloys, 24:24155
  - Thermal conductivities and Lorenz functions of Gd, Tb, and Ho single crystals, 23:27073
  - Virtual-bound-state formation in Pd—U alloys, 25:11989

NELLIS, William Joel Thermal conductivity and Lorenz function of Gd, Tb, and Ho single crystals, 23:12958 (IS-T-256)
NELMES, R. H. Design and testing of Type B packaging for large radioactive sources, 23:21919 (AAEC/TM-480)
NELMS, G. L. Early results from the topside sounder in the Alouette II satellite, 21:700
Electron densities less than 100 electron cm^{-3}, 23:44323
Ionospheric conditions following the proton flare of July 7, 1966, 23:22828
Topside electron density variations at low magnetic activity, 24:17819
NELMS, H. A. Computer programs for MSBR heat exchangers, 25:25974 (ORNL-TM-2815)
Demonstrating shipping cask compliance with federal regulations, 23:566 (CONF-681001-, pp 253-67)
Structural analysis of shipping casks, 22:30796 (ORNL-TM-1312(Vol.3))
Survey of nuclear reactor system primary circuit heat exchangers, 23:24348 (ORNL-4399)
NELMS, J. R. Determination of Dy, Eu, Gd, and Sm in high-purity ThO$_2$, 21:38916
Spectrochemical determination of individual rare earth elements in uranium ore concentrates, 21:8 (MCW-1498)
Spectrometric determination of Dy, Eu, Gd, and Sm in high-purity ThO$_2$, 21:7 (MCW-1495)
NELMS, L. W. NERVA irradiation program, Vol. 2, nuclear-radiation-induced conversion of parahydrogen to orthohydrogen, 23:35056 (FZK-351-2)
NELP, W. B. In vivo neutron activation analysis of total body Ca and other elements of body composition, 22:31007
In vivo neutron activation analysis of total body bone mass, 25:4042 (CONF-680211-, pp 496-516)
Instrumentation for in vivo neutron activation analysis in humans, 24:39253
NELP, Wil B. Cerebrospinal fluid circulation following subarachnoid hemorrhage, 25:21760
Determination of total body calcium (skeletal mass) in man by in vivo neutron activation analysis and total body counting, 23:17 (RLO-2046-1)
Diagnosis of placenta praevia by photoscanning with albumin labeled with /sup 99m/Tc, 22:40795
Distribution and radiobiological behavior of colloids and macroaggregates, 24:50676 (CONF-691212-, pp 239-52)
Long-term effects of local irradiation of the marrow on erythron and red cell function, 25:11112
Measurement of total body calcium (bone mass) in vivo with the use of total body neutron activation analysis, 24:41728
Measuring total body calcium by in vivo neutron activation analysis, 24:5628
Neutron activation analysis of total-body phosphorus in mice, 24:50358
Photoscanning of the liver and other organs of RES using /sup 99m/Tc, 23:18052 (CONF-670958-, pp 208-28)
Photoscanning of the placenta, 23:18047 (CONF-670958-, pp 98-113)
Placenta, 23:50736
Radiopharmacology of a simplified /sup 99m/Tc-colloid preparation for photoscanning, 21:22537
NELSEN, T. S. Surgical therapy for radiation enteritis, 23:29596
NELSEN, Thomas Effect of radiation on canine intestinal anastomoses, 22:38472
NELSEN, Thomas S. Oophoropexy: a means of preserving ovarian function following pelvic megavoltage radiotherapy for Hodgkin's disease, 24:34363
Preservation of ovarian function in pelvic radiation for Hodgkin's disease, 24:32262
NELSON, A. Increased supply of Ca to decrease uptake of ^{89}Sr from radioactive fallout, 22:31077
Influence of gestation and lactation on radiostrontium-induced malignancies in mice. II, 21:45820
Influence of lactation on retention of radiostrontium, 23:38407
Radioprotective agents: further results with amidophosphorothioate and related compounds, 24:6065
Radioprotective agents: results with S-(3-amino-2-hydroxypropyl) phosphorothioate, amidophosphorothioate, and some related compounds, 22:533
Survey of nuclear explosion effects on man, 25:16276 (FOA-1-1449)
NELSON, A. H. Analysis of the nature and growth of electrothermal waves, 24:35487
Development of the MHD electrothermal instability with boundary effects, 25:3127
Dynamic stabilization of the electrothermal instability, 25:19543
NELSON, A. V. Live time display clock, 24:39231
NELSON, A. Wendell Radio-chloride (^{36}Cl) as a continuous monitor of ECW in the dog, 25:49097
NELSON, Ann McDonald Calculations of decay curves from mass distributions, 21:29620 (IS-T-166)
NELSON, Arne Late effects of radiation from internal gamma and beta ray emitters, 25:24432
Long term effects of radioactive fallout, 25:19148
Protective effect of cysteamine at fractionated irradiation. II, 22:28606
NELSON, Arne B. X-ray during pregnancy, 24:780
NELSON, B. ^{67}Ga localization in lysosomal-like granules of leukemic and nonleukemic murine tissues, 25:39796
Gallium-67 localization in rat and mouse tumors, 24:14408
Gas Cherenkov counter with large phase-space acceptance, 24:16888
Localization of ^{67}Ga in tissues of leukemic mice, 24:23095
Spleen irradiation in secondary hypersplenism, 23:6499
NELSON, B. M. Bone-marrow grafting in marmosets after whole-body irradiation, 22:534
NELSON, Bill Postmortem studies of radionuclides in man, 24:50880 (CONF-691212-, pp 103-13)
NELSON, Bill M. Histologic changes in marrow after total-body irradiation of marmosets, 21:45780 (ORAU-101, pp 27-30)
NELSON, Burt New eclipsing binary containing a very hot white dwarf, 24:42359
NELSON, C. Behavior of iodine in the presence of sodium oxide aerosols, 25:20761 (CONF-700816-(Vol.1), pp 373-92)
Characterization of energy release and aerosol behavior from sodium spray fires, 25:20759 (CONF-700816-(Vol.1), pp 346-55)
Measurements of particulate filtration efficiencies of building, 25:23308 (CONF-700816-(Vol.2), pp 817-23)
Multi-angle fast neutron time-of-flight system, 21:26175
Reactor development, 23:13521 (AI-AEC-12721, pp 111-29)
NELSON, C. A. Baryon SU(6) mass formula, 23:36977
Phase diagram determination of Tm$_2$O$_3$—Yb$_2$O$_3$ system, 25:48737 (SNC-3693-1, Pt.2)
Quantum field theories with shadow states. II, 25:47862 (ORO-3992-45)
Quantum field theories with shadow states. I, 25:50173 (ORO-3992-44)
Relation between singularities of S matrix and L^2 class of solutions in potential theory, 25:33865
SU(3)" excitation in baryon resonances, 22:20308
SU(3)" excitation in baryon resonances, 23:25681
Thulium oxide fuel characterization study, 25:48738 (SNC-3693-1, Pt.3)
Thulium-170 oxide for thermal source applications, 25:48735 (SNC-3693-1)
Thulium-170 oxide heat source experimental and analytical radiation and shielding study, 25:48739 (SNC-3693-1, Pt.4)
Training manual for fabrication of printed-circuit boards, 25:12864 (ANL-7725)
NELSON, C. B. On-line computer facility for solid state/NaI, single/dual parameter gamma analysis for low level samples: hardware, 25:16182
NELSON, C. D. Determination of pore size in membranes of Nitella by electroosmosis and radioactive tracers, 22:10681
NELSON, C. E. States in ^{11}B observed in the scattering of neutrons by ^{11}B, 25:7814
NELSON, C. J. Eclipse observations at Arecibo, Puerto Rico, 24:39933
NELSON, C. M. Luminescence in MgO, 23:8694
Some properties of defects produced by ionizing radiation in KCl between 80 and 300°K, 21:13646
NELSON, C. R. Perfect safety record is goal in construction of nine mile point nuclear plant, 21:30190
NELSON, C. T. Aerosol modeling of hypothetical LMFBR accidents, 24:47876 (AI-AEC-12977)
Characteristics of aerosols generated during sodium fires, 22:5952
Characteristics of vaporized UO$_2$ aerosols in air, 22:5949
Characterization of sodium spray aerosols, 23:29015
Characterization of UO$_2$ aerosols, 23:29017
Errors in measurements of building leakage due to transient temperature effects, 21:23751
Large-scale sodium aerosol experiments, 23:37589
Modelling characteristics of aerosols generated during LMFBR accidents, 23:29016
Standardized generation of vapor-produced sodium aerosols and their behavior, 21:31922 (CONF-660904-Vol.1 and 2, pp 848-59)
Techniques for sampling sodium smoke and fission products, 21:31923 (CONF-660904-Vol.1 and 2, pp 860-76)
NELSON, C. W. Acoustic relaxations in zirconium—niobium alloys, 21:9169
NELSON, Charles A. A$_2$ meson as O(4) family, 24:47439
Cheng—Wu picture applied to γp $\to$ rho^{0}p and phip, 25:9716
Feynman rules for O(4) family with no ghosts, 24:47501
SU(3)"-excitation in baryon resonances, 23:16980 (NP-17780)
NELSON, Christopher B. Least squares gamma spectrum analysis with automatic gain and baseline compensation, 24:39336
NELSON, Curt-Eric Method for measuring prostatic blood flow with ^{133}Xe in dog, 22:10694
NELSON, D. Computer solutions for three-dimensional electromagnetic field geometries, 23:28116
Computer-control for the Maryland cyclotron, 23:28149
In-reactor pressure tube gauging equipment, 24:4162 (AECL-3426)
Theoretical studies on the formation of a compressed 25-MeV electron ring in a static magnetic field, 23:28195
NELSON, D. B. Effects of nuclear EMP on AM radio broadcast stations in the emergency broadcast system, 25:13328 (ORNL-TM-2830)
Influence of capacitor bank parameters on magnetically driven flyer plates, 22:12189 (SCL-DR-67-116)
NELSON, D. E. Extraction chromatography of Am, Cm, Bk, and Cf with di(2-ethylhexyl)orthophosphoric acid, 23:49914
Study of levels populated in ^{166}Er by the (d,t) reaction, 23:15487
NELSON, D. J. Analysis of specific-activity concept as related to environmental concentration of radionuclides, 22:10750
Balances of ^{137}Cs, stable Cs, and feeding rates of bluegill in White Oak Lake, 24:5978 (ORNL-4445)
Biological concentration and turnover of radionuclides in food chains: a bibliography, 25:42315 (ORNL-NSIC-89)
Cesium, ^{137}Cs, and K concentrations in white crappie and other Clinch River fish, 21:32652 (ORNL-P-3084)
Clinch River study, 21:22117 (ORNL-4035)
Ecological behavior of radionuclides in the Clinch and Tennessee Rivers, 23:29432
Ecological considerations in reactor power plant siting, 24:45899 (CONF-700810-1)
Effects of biotic complexity and neutron radiation on ^{137}Cs and ^{60}Co kinetics in aquatic microcosms, 23:12043 (ORNL-4318)
Environmental monitoring significance of the Clinch River study, 25:16180
Estimates of periphyton mass and stream bottom area using ^{32}P, 24:545
Feeding rates of freshwater snails determined with ^{60}Co, 24:7708
Radiostrontium uptake in blood and flesh in bluegills, 21:34656 (ORNL-P-3160)
Resistance of the magnetosphere, 23:16735
Turnover and concentration of radionuclides in food chains, 24:12038
Understanding the dynamic behavior of radionuclides released to the environment and implications, 25:37742 (A/CONF.49/P-85)
Walker Branch Watershed Project, 23:52510 (ORNL-TM-2271)
NELSON, D. J. Jr. Laser and microwave problems, 24:34368 (CONF-690335, pp 54-6)
Panel: implementation of Public Law 90-602, 24:34185 (CONF-690335, pp 57-71)
NELSON, D. K. Evaluation of SNAP reactor disposal techniques, 21:35651 (NAA-SR-12433)
Evaluation of SNAP reactor disposal techniques, 22:6076
SNAP 8 configuration reentry hypersonic heating rates, 21:30617 (NAA-SR-12383)
Thermal behavior of SNAP 8 reactor during atmospheric reentry, 21:30616 (NAA-SR-12355)
NELSON, D. L. Effects of chronic irradiation and temperature on populations of aquatic snail Physa heterostropha, 25:8750 (ORNL-4612)
Formation of an electron ring in a cusped magnetic field, 25:50396
Project ZULU II, phase I, single-charge calibration series, 23:15994 (NCG-TR-3)
Radiation hardness of Ovonic devices, 23:17872
NELSON, D. M. Behavior of fallout ^{137}Cs in aquatic and terrestrial environments, 24:27557 (ANL-7615, pp 229-31)
Cesium-137 in foods, 24:44458 (HASL-217, pp III.20-3)
Cesium-137 in various Chicago foods (collection month, July 1970), 25:8659 (HASL-237, pp III.14-17)
Cesium-137 in various Chicago foods (collected month October 1970), 25:16133 (HASL-239, pp III.36-9)
Instrumental analysis for trace elements present in Chicago area surface air, 24:31505
Isolation of radioactive particles from particulate matter, 22:25526 (HASL-193, pp I.17-26)
New shield for gamma-ray spectrometry, 21:19952
Photographic method for determining velocity distributions within thermal plumes, 25:28839 (ANL/ES-4)
Radioactive ^{54}Mn and ^{65}Zn in euryhaline fish, 22:8491
Recent trends in radioactive fallout, 25:48617 (ANL-7760(Pt.3), pp 245-8)
Thermal neutron activation analysis of airborne particulate matter, 24:107
NELSON, D. R. Yield of luminescence from x-irradiated biochemicals, 22:12365
NELSON, D. S. Iron-59 distribution in normal and x-irradiated mice, 25:27012
NELSON, Daniel G. Radiation-enhanced diffusion of boron in silicon, 24:6625
NELSON, Daniel George Radiation-enhanced diffusion of boron in silicon, 25:16616
NELSON, Daniel J. Conference on radioecology, Ann Arbor, Mich., 5/67, 23:17963 (CONF-670503)
Strontium in calcite: new analyses, 21:28470
NELSON, David B. Prog. rpt. on ventilation of shelters in New York City, final, 2/66, 21:8781 (AD-631420)
Stability of the guiding center plasma, 22:11477 (ORNL-TM-2025)
NELSON, David Brian Stability of the guiding-center plasma, 22:50209
NELSON, David L. Mechanisms of ionizing radiation surface effects on transistors, 21:850
Prog. rpt. on effects of ionizing radiation on transistors, 1/1/66-3/31/66, 21:12742 (N-66-34704)
Prog. rpt. on effects of radiation on transistors, 10—12/65, 21:1975 (N-66-23826)
Prog. rpt. on radiation effects on transistor surfaces, 7—9/65, 21:1959 (N-66-22820)
Prog. rpt. on radiation effects on transistor surfaces, 6/30/66, 21:12743 (N-66-37545)
NELSON, David Lawrence Formation of an electron ring in a static magnetic field, 25:33946
NELSON, Dennis R. Effect of irradiation of female houseflies on ovarian maturation and retention of pupal fat body, 24:51019
NELSON, DeVaughn Excitation, dissipative, and emissive mechanisms in biochemicals, 22:12822
NELSON, DeVaughn Raymond Determination of diffusion coefficients of thermal electrons with a time-of-flight swarm experiment, 23:3260 (ORNL-TM-2222)
NELSON, Donald Magnetic measurements of TAMVEC, 88-inch sector-focused cyclotron, 21:42485 (UCRL-17640)
NELSON, Donald H. Recording, analyzing, and representing large-scale digital measurements of magnetic field, 21:37966 (UCRL-17641)
NELSON, Donald J. Jr. Environmental radiation surveillance, 22:51570 (NP-17401)
Environmental radiation surveillance, 23:6451 (PHS-PUBL.-1224)
Planning for the control of radiation accidents, 22:12844 (NP-17209)
NELSON, Donald M. Radionuclide concentrations near the Big Rock Point Nuclear Power Station, 25:49171 (ANL-7760(Pt.3), pp 18-25)
Thermal neutron activation analysis of surface air, 24:9245

Thermal plume measurements, 25:44138 (CONF-710431-1)
Thermal plume measurements, 25:48600 (ANL-7760(Pt.3), pp 1-17)
Thermoluminescent dosimetry of aquatic life in-transitu through a reactor cooling condenser, 25:49018 (ANL-7760(Pt.3), pp 26-9)
NELSON, E. B. Energy levels of ^{19}Ne, 21:13814
NELSON, E. N. Fluid-bed denitration of thorium nitrate, 21:5995 (MCW-1511)
Purification of natural thorium scrap materials by a solvent extraction process, 21:3145 (MCW-1512)
NELSON, Ed Graph program simulation, 25:8175 (TID-25593)
NELSON, F. A. High resolution superconductive spectrometer: general performance information of the Du Pont instrument, 22:32017
NELSON, Fred Robert Slater Sterility effects of gamma radiation on Drosophila, 23:43852
NELSON, Frederick Ion-exchange procedures. IX, 21:8427
NELSON, G. Abnormal diurnal variation of total ionisation, 22:48032
NELSON, G. C. Concerning internal conversion coefficients in ^{180}Hf, 21:31790
Energies of Kα_1, Kα_2, Kβ_1, and Kβ_3 x rays in Np, Pu, and Am, 24:35167
Gamma ray energy standards below 100 keV, 24:39321
Gamma-ray measurements with a bent-crystal spectrometer, 24:49890
Kα_1 and Kα_2 x-ray energies of neptunium, plutonium, and americium, 24:8333
Kα_2/Kα_1 x-ray intensity ratios for Z > 50, 24:8330
Kβ_3/Kβ_1 transition probabilities, 24:28081
Measurements of α/sub K/ for 84.3-keV transition in ^{170}Yb and 80.6-keV transition in ^{166}Er, 23:23695
Widths of the Kα_1 and Kα_2 x-ray lines for Z > 50, 24:3158
Widths of the Kα_1 and Kα_2 x-ray lines for Z > 50, 24:37199
NELSON, G. J. Annual and seasonal anomalies in the electron content of the ionosphere, 22:47898
Coincident F-region temperature determinations, 24:47120
Divergence of radio rays in the ionospheric medium, 21:43897
Enhancements in electron content at Arecibo during geomagnetic storms, 25:45379
Solar radio bursts at 21-cm wavelength, 24:25919
Total ionospheric electron content at middle latitudes during sunspot minimum, 22:24183
NELSON, G. O. Dynamic method for producing known concentrations of gas and solvent vapor in air, 21:12551 (UCRL-50007-66-1, pp 46-9)
Effect of halogen compounds on the molecular spectra of air, 23:31282 (UCRL-50007-68-3, pp 38-46)
Effect of humidity on the capacity of charcoal to absorb methyl iodide, 21:26424 (UCRL-50007-66-2, pp 33-7)
Engineering fire-suppression systems for large volumes using Halon 1301, 25:54957 (CONF-710401-, pp 248-56)
NELSON, Gary J. Automatic gel-filtration apparatus for the purification of lipid extracts, 24:38696 (UCRL-50861)
Computer processing of gas chromatographic data: quantitative analysis of fatty acid methyl esters using an off-line magnetic tape system, 25:12917 (UCRL-72393)
NELSON, Gary O. Engineering tests of Halon 1301 fire extinguishing systems for field assembly buildings, 25:31748 (UCRL-51021)
Field instrument for detecting airborne halogen compounds, 25:23915 (UCRL-73032)
Respirator cartridge efficiency studies. I, 25:46416 (UCRL-73166)
NELSON, George B. First physical survey of Wisconsin dental x-ray installations, 24:32012
NELSON, George W. Neutron flux distributions for water reflected spherical cavity system, 21:33859 (NASA-CR-72231)
Neutron spectrum measurements, 24:33429
Nuclear engineering for university freshmen, 24:33503
Time and space dependence of neutron flux in large single cavities, 24:33551
NELSON, George William Thermal neutron flux distributions in a water system with an internal cavity, 22:11890
NELSON, Gerald C. Measurements of some gamma-ray relative intensities and internal conversion coefficients using a bent-crystal monochromator, 22:16005 (IS-1730)
NELSON, Gerald Clifford Measurements of some gamma-ray relative intensities and internal conversion coefficients using a bent-crystal monochromator, 22:42068
NELSON, Gilbert B. Controlled-potential coulometric and potentiometric titrations of uranium and plutonium in ceramic-type materials, 25:8200 (LA-4537)
NELSON, H. F. Equilibrium radiation from isothermal hydrogen—helium plasmas, 22:34709
Structure of shock waves with nonequilibrium radiation and ionization, 23:39458
NELSON, H. M. Infrared spectra of methoxyamine and methoxyammonium ion, 24:48103
NELSON, Harlan Frederick Structure of shock waves with nonequilibrium radiation and ionization, 23:25363
NELSON, I. C. Build-up of americium-241 in lung containing plutonium-241, 25:11053 (BNWL-B-12)
Effect of DTPA on excretion of promethium in humans, 23:50268 (BNWL-1051(Pt.2), pp 225-6)
Iodine-131 in children's thyroids, 25:16010
Measurement of plutonium aerosol parameters for application to respiratory tract models, 21:32635 (BNWL-SA-1220)
Plutonium air concentrations and particle size relationships in Hanford facilities, 22:12473 (BNWL-495)
Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
Tissue analysis for plutonium at autopsy, 23:24649
Tissue sampling for plutonium through an autopsy program, 21:6486 (BNWL-SA-918)
Uptake, distribution, and excretion of promethium in humans, 22:40513 (BNWL-SA-1915)
Uptake, distribution, and excretion of promethium, 24:14401
Urinary excretion of plutonium deposited in the lung, 23:45632
Urinary excretion of plutonium deposited in the lung, 24:4547 (BNWL-1159, pp 30-5)
NELSON, Ira V. Welding torch, 22:45228
NELSON, Iral C. Theoretical excretion of Pu in urine, 21:28428 (BNWL-SA-1247)
Theoretical excretion of Pu in urine, 23:24640
NELSON, J. A. Energy levels and transitions in ^{197}Au from (n,n'γ) reaction, 25:34152
Energy levels of ^{133}Cs and ^{141}Pr from the (n,n'γ) reaction, 24:26664
Phosphate bonding of zirconia, 21:16636
NELSON, J. B. Dosimetry and primate irradiations with 2.3-GeV protons, 22:8525 (CONF-670305-, pp 318-28)
Fast/thermal neutron ratios determined by Ge(Li) gamma spectrometry, 22:38029
Measurement and analysis of the ^{90}Zr(d,p)^{91}Zr reaction between 3.5 and 5.5 MeV, 21:10035
Multiple Coulomb scattering of high-energy protons, 22:31903
NELSON, J. J. Specific activity concept applied to aquatic ecosystems, 25:32376
NELSON, J. L. Reactions of radionuclides from the Hanford reactors with Columbia River, 21:15998
NELSON, J. M. Analysis DWBA of polarization analysing powers and differential cross sections for the (p,d) reaction on ^{28}Si and ^{40}Ca, 22:48489
Asymmetries in (p,t) and (p,^{3}He) reactions induced by 49.5-MeV polarized protons, 25:53659
Polarization analyzing powers of two-nucleon transfer reactions leading to mirror final states, 24:43121
Reactions ^{14}N(p,^{3}He)^{12}C, ^{14}N(d,α)^{12}C, ^{13}C(p,d)^{12}C, 25:5563
Some (p,t) and (p,^{3}He) reactions, 25:17715
NELSON, J. V. Central fuel and peripheral control ring reactivity worths in the FTR-2 critical, 24:33441
Comparison of calculated and experimental worths of large samples in assemblies FTR-1 and 2, 25:18182 (WHAN-SA-12)
Cross sections for preliminary design of FTR, FTR Set No. 200, 25:57115 (HEDL-TME-71-65)
Group constants for analysis of FFTF critical experiments, 24:11170 (BNWL-1044)
Statistically significant biases in FTR neutronics model, 24:33435
Use of the engineering mockup as a nuclear design tool, 24:33447
NELSON, J. W. A fast mechanical beam stop and other auxiliary beam control equipment, 21:33833
Energy levels of ^{27}Al, 25:5613
Excitation functions for ^{34}S(P,n)^{34}Cl and ^{31}P(α,n)^{34}Cl, 24:52527
Improved variable width double slit, 23:20066
Mass of ^{39}Ca, 25:5610
Multipurpose target chamber, 25:33927
Spin of the 937-keV level in ^{54}Co, 25:43863
NELSON, Jack L. Accumulation of radionuclides in bed sediments of the Columbia River between the Hanford reactors and McNary Dam, 24:46108
Accumulation of radionuclides in bed sediments of Columbia River between Hanford reactors and McNary Dam, 25:21168
NELSON, Jerry Optical timing of pulsar NP 0532 in Crab Nebula, 24:46918
NELSON, Joanne H. Indexes to 780 unclassified documents on civil defense, 22:10529 (ORNL-CD-2)
NELSON, John B. Large area proton beams for radiobiologic research from NASA—SREL synchrocyclotron. I and II, 23:30846 (AD-683716)
Low-Q ^{14}C(d,p)^{15}C stripping reactions, 21:23417
Physical dosimetry and instrumentation for low-energy proton irradiation of primates, 23:20237
Prog. rpt. on simulation and measurement of solar-flare proton exposures, final, 11/68—8/69, 25:26920 (AD-711041)
Response of thermoluminescent dosimeters to protons with energies to 137 MeV, 23:7834 (CONF-680920-, pp 438-55)
NELSON, John Munroe Radiobiology of the mongolian gerbil, 24:34654
NELSON, K. A. Sealed ionisation chambers for x-ray monitors, 23:658
NELSON, K. G. Technetium-99m DTPA for brain and kidney scanning, 24:33999
NELSON, K. P. Conceptual design of a dual-use utility tunnel blast shelter for White Plains, New York, 23:19921 (ORNL-4362)
Introduction to urban decentralization research, 25:41708 (ORNL-HUD-3)
NELSON, K. S. Magnetoresistance and Fermi-surface anisotropy in V metal, 23:14882
NELSON, Kerry Scott Transverse magnetoresistance in vanadium and in a chromium-rich chromium—vanadium alloy, 23:27693 (IS-T-295)
NELSON, L. C. Jr. Analysis of reactor fuel element solutions. I, II, and III, 21:30350 (NBL-238)
Calibration of uranium metal foils as standards by an alpha-gamma coincidence method, 21:1303
NELSON, L. S. Correlation between conservation of metal and luminosity of a Zr droplet, 24:19389
Differences between the combustion of aluminum droplets in air and in an oxygen—argon mixture, 22:16367 (SC-DC-67-2295)
Explosive combustion of Zr droplets, 24:19385
Extreme temperature studies with molten refractory materials, 24:8206
The explosion-free combustion of zirconium droplets, 21:1330 (SC-DC-66-1127)
NELSON, Lloyd S. Combustion of zirconium droplets in oxygen/rare gas mixtures, 25:22064
Kinetics studies at temperatures near 4000°K using the falling specimen technique: the reaction $Zr(l) + O_2(g) \rightarrow ZrO_2(l)$, 25:16460
NELSON, M. E. Convection heat transfer in a heat-generating fluid, 23:35414
Thermal development of heat-generating fluid, 23:38168
NELSON, M. R. Experimental tests of hidden variable theory with application to interference experiment, 24:37581 (NYO-3406-17)
Photon analogue for Einstein—Rosen—Podolsky paradox, 23:10728 (NYO-3406-11)
NELSON, Martin E. Inelastic nuclear interactions of high-energy electrons and muons in emulsion, 23:18788
NELSON, N. The clearance of radioactive particles from the human lung, 21:32600
NELSON, N. R. Prog. rpt. on Saxton Pu project, 7—9/66, 21:2823 (EURAEC-1713)
NELSON, N. S. Comparative metabolism of selected radionuclides in animals, 23:50279 (PHS-999-RH-33, pp 45-50)
Metabolism of radionuclides in mammals, 25:32326
NELSON, Neal S. Effects of radioiodine in embryonic guinea pigs, 24:23312 (CONF-690501-, pp 45-62)
Review of radium toxicity studies, 25:18979 (BRH/DBE-70-5)
NELSON, Noel N. Pine needle gall fly infestation, 24:25591
NELSON, Norton Deposition and clearance of radioactive particles in the human lung, 21:24424
Elimination of radon from the body, 21:36573 (HASL-32)
Inhalation carcinogenesis man: environmental and occupational hazards, 24:27601 (CONF-691001-, pp 3-12)
Some biological effects of radiation in relation to other environmental agents, 24:9801 (CONF-690303-, pp 223-30)
NELSON, Oliver E. Waxy locus in maize. II, 23:26722
NELSON, P. Dynamic method to study in-pile fission-gas release, 22:32858
High pressure physics, 25:10749
NELSON, P. A. Fuel properties and nuclear performance of fast reactors fueled with molten chlorides, 21:40589
High-purity helium atmosphere for plutonium research, 21:6774
Hydrogen monitor for detecting leaks in LMFBR, 24:33405
Hydrogen monitor for detection of leaks in LMFBR steam generators, 25:51111
Pyrochemical processing of fuel materials and scrap containing ^{238}Pu, 25:18492 (ANL-7709)
Shielded fuel evaluation facility, 22:4402
Synthesis and fabrication of nuclear fuel pellets from U—Pu alloy, 24:17252
Uranium nitride—sodium paste fuel for fast-reactor blankets, 23:13501 (ANL-7475)
NELSON, P. F. Effects of high energy radiation on pulping of Eucalypts, 25:29735
NELSON, P. Jr. Minimizing the natural fuel requirement for nuclear reactor power systems: a nonstandard optimal control problem, 22:42238
NELSON, Paul Optimization problem in nuclear reactor economics, 22:1770 (ORNL-4172)
NELSON, Paul A. High-temperature, fluidized-bed process for converting uranium dioxide to uranium monocarbide, 23:24136 (ANL-7482)
Nuclear reactor fuel material and a method of preparing the same, 21:1935
Uranium mononitride: sodium paste nuclear fuel, 21:45988
NELSON, Paul Jr. Collisional importance and adjoint problems in neutron transport, 23:28616
Convergence of the discrete ordinates method for anisotropically scattering multiplying particles in a subcritical slab, 25:56264 (ORNL-TM-3553)
Corrosion in polythermal loop systems. I. Mass transfer limited by surface and interface resistances as compared with sodium—Inconel behavior, 25:22012 (ORNL-4575(Vol.1))
Internal values in particle transport by the method of invariant imbedding, 25:43430
Investigation of criticality for energy-dependent transport in slab geometry, 25:9960
Numerical solution of isothermal fission-product deposition equations: program PREDEP-II, 21:43059 (ORNL-TM-1970)
Optimal strategies in reactor system economics, 25:60103
Properties of the spectral radius of the integral transport operator in slab geometry, 24:3825 (ORNL-TM-2740)
Relationships between various definitions of prompt-neutron lifetime, 25:12856
Subcriticality for multiplying transport in a slab, 25:41173
Subcriticality for transport of multiplying particles in a slab, 25:47601
Theory and iterative solution of a model for fission-product deposition, 24:47942
Theory of an initial-boundary value problem occurring in the study of fission product deposition, 22:48850 (ORNL-4277)
NELSON, Philip H. A resonance mode tracker for the electromagnetic earth-ionosphere cavity, 22:48002
NELSON, R. Quantitative studies of in vitro transformation by chemical carcinogens, 23:31884
NELSON, R. A. Accurate analytic predictions for virial equation-of-state of sodium, 25:40041
NELSON, R. C. Analysis of irradiated materials using a shielded electron probe microanalyzer, 25:51379
Development of UO_2 microstructures during irradiation at high heat ratings, 21:28861 (GEAP-4667)

- First pinhole fuel rod failure during central melt operation: assembly EPT-12C-A, 22:16281 (GEAP-5100-K)
- Fission yield of Xe and Kr isotopes in $(PuU)O_2$ fast reactor fuel, 24:7123
- High burnup performance of mixed-oxide fuel to 120,000 MWD/T, 22:4914
- Irradiation of 0.5 inch diameter, solid pellet UO_2 fuel rods, 21:18351 (GEAP-5100-B)
- Irradiation of 0.5 inch diameter, vibratory compacted powder UO_2 fuel rods, 21:5015 (GEAP-5100-I)
- Irradiation of 0.5 inch diameter, vibratory compacted powder UO_2 fuel rods to 1.0×10^6 Btu/h-ft^2 peak heat flux: assembly EPW 6/8V, 22:16280 (GEAP-5100-H)
- Irradiation of swaged powder UO_2 fuel rods, 22:4868 (GEAP-5100-G)
- Irradiation of UO_2—PuO_2 fuels 125,000 MWD/MT, 21:38643
- Irradiation-induced swelling rates of PuO_2—UO_2 fuel with strong radial restraint, 21:8156
- Performance of mixed-oxide fuel pins irradiated in a fast reactor to 50,000 MWD/T, 22:4913
- Performance of plutonium—uranium mixed-oxide fuel pins irradiated in fast reactor, 24:30053 (GEAP-13549)
- Swelling rates of mixed-oxide fuel and cladding in fast flux, 23:4242

- NELSON, R. D. Beta grain size and $\beta \rightarrow \alpha$ transformation in unalloyed Pu, 25:11444
  - Characteristics of beta → alpha and alpha → beta transformation in Pu, 21:13201
  - Crystallography of the alpha to beta transformation in plutonium, 23:30084
  - Deformation of alpha plutonium, 22:49754
  - Deformation of plutonium allotropes, 25:11389
  - Grain size dependency of beta-plutonium plasticity, 25:16533
  - Influence of grain size on the hardness of alpha plutonium, 25:35465
  - Laboratory techniques, 22:2634
  - Large creep ductility of alpha plutonium, 23:41622
  - Metallic friction and adhesion in ultrahigh vacuum, 21:36330 (UCRL-13303)
  - Microstructures of deformed alpha plutonium, 23:30049 (BNWL-981)
  - Phase transformation damage in plutonium, 21:498
  - Plutonium $\beta \rightarrow \alpha$ TTT curve, 21:45950
  - Recrystallization in alpha plutonium, 22:23791
  - Solid state reactions, 22:2633
  - Steady-state creep of plutonium, 21:32880
  - Transformation and deformation in plutonium, 21:32869
  - Twinning in alpha-neptunium, 25:45084
  - X-ray comparison of beta plutonium grain size, 25:27244 (BNWL-1545)
- NELSON, R. G. Prog. rpt. on tungsten—technetium alloys, concluding, 10/1/66—8/1/68, 22:52144 (BNWL-865)
- NELSON, R. H. Profiles of He I 4471 and 4922 A in pulsed arc, 25:25112
- NELSON, R. L. Chemisorption on some alkaline earth oxides. I, 21:32198
  - Chemisorption on some alkaline earth oxides. II, 22:12370
  - Comparative study of defect production and changes in surface reactivity induced in oxide powders by high-energy positively-charged particles, 25:16619
  - Distribution of point effects in oxide powders, 24:14996
  - Electron spin resonance of F centers in irradiated ^{43}CaO and other alkaline earth oxides, 22:17752
  - Energy transfer in oxides. I, 25:40136
  - Engineering the baseball magnet system, 25:36200 (UCRL-73067)
  - Large superconducting baseball magnet. I, 22:52732 (UCRL-71010)
  - Large superconducting baseball magnet, 24:5113
  - Large superconducting baseball magnet. II, 25:49925 (UCRL-71010(Pt.2))
  - NAD wideband rf data transmission system, 24:50275 (EGG-1183-4030)
  - Paramagnetic defects associated with H adsorbed Mg and Ca oxides, 22:45108
  - Surface reactivity of irradiated magnesium oxide, 23:1065
  - Testing composite superconductor, 24:5114
- NELSON, R. M. Parallaxes and proper motions of 22 stars, 24:30072
- NELSON, R. P. Composite solidification in the systems Cr_2O_3—Mo, Cr_2O_3—Re, Cr_2O_3—W, and MgO—W, 25:750
  - Compressibility of molten UO_2, 25:52448
  - Growth of UO_2 single crystals by closed-capsule zone melting, 24:44769
  - Some property measurements on promethium sesquioxide, 22:33604 (BNWL-SA-1796)
- NELSON, R. S. Antimony-implanted silicon, 25:19825
  - Behavior of inert gases in ceramic fuels, 21:20582
  - Channelling of protons through thin crystals, 22:31921 (BNL-50083, pp 125-41)
  - Characteristic x-ray generation by heavy-particle irradiation of copper, 24:42525
  - Cyclotron bombardment to simulate fast neutron damage in reactor materials, 25:16557
  - Damage structure in gallium arsenide bombarded with neon ions, 24:1477
  - Field ion microscope examination of heavy ion radiation damage in iridium. I, 22:28842 (AERE-R-5747)
  - Field ion microscope examination of heavy ion radiation damage in Ir. I, 23:262
  - Formation of precipitate phases in aluminium by ion implantation, 23:12990
  - Gas bubbles in solids, 22:26045
  - Gas release mechanisms in UO_2, 24:14976
  - Harwell 150 keV heavy ion accelerators, 25:44538 (BMBW-FBK-70-28, pp 576-83)
  - Harwell Sputtered Ion Gun, 24:25158 (AERE-R-6343)
  - Improved calculations on the number of displacements produced in iron during fast neutron irradiation, 25:45537 (AERE-R-6092)
  - Improved profiles of electrical activity in boron-implanted silicon, 23:5471
  - Influence of channelling on radiation damage produced in silicon during ion bombardment, 21:27251
  - Influence of irradiation on the nucleation of gas bubbles in reactor fuels, 22:17151
  - Influence of temperature and channeling on ion-bombardment damage in silicon, 22:26491
  - Ion beams and materials research, 21:28997
  - Ion implantation in semiconductors, 23:32565
  - Ion implantation, 21:13364
  - Location of impurity atoms in crystals using characteristic x-ray generation by channeled protons, 22:31994
  - Looking at crystals with a proton beam, 21:23276
  - Measurement of implanted-boron concentration profiles in silicon, 25:19803
  - Observation of atomic collisions in crystalline solids, 23:27687
  - Observation of ion bombardment damage in silicon, 22:34751
  - Physical state of ion-implanted solids, 23:39542
  - Proton channeling through thin crystals, 23:3594
  - Proton scattering as a tool for the study of crystal structures, 22:26451 (AERE-R-5743)
  - Proton scattering as a tool for the study of crystal structures, 23:36141
  - Proton scattering microscopy, 21:25201
  - Radiation damage in silicon during ion implantation, 25:19805
  - Randomisation of crystal structure within energetic collision cascades revealed by the sputtering of Au single crystals, 25:33417
  - Role of focusing collisions in sputtering, 22:26230
  - Role of focusing collisions in sputtering, 22:29582
  - Selective x-ray generation by heavy ions. I, 25:33057
  - Selective x-ray generation by heavy ions. II, 25:33413
  - Sputtered ion gun, 24:45689
  - Stability of gas bubbles in an irradiation environment, 23:30104
  - Theory of recoil implantation, 24:6638
  - Use of color film in the study of proton channelling, 21:21104
  - Use of ion accelerators to simulate fast neutron-induced voidage in metals, 24:51190
  - Variations in Z_1 dependence of interatomic potential revealed by channeling, 23:23292
  - Void formation during high-dose ion implantation at elevated temperatures, 25:19807
  - Void formation during ion irradiation of metals at elevated temperatures, 25:58320
  - Void formation in nickel, 316 steel, and nimonic PE16 during 20 MeV C^{4+} irradiation, 25:58322
  - Void formation in stainless steel, 24:14847
- NELSON, R. Stuart Filling the voids in fast reactor technology, 25:34325
- NELSON, R. W. Computer program in predicting changes in water table elevations, 22:25497 (BNWL-481-3, pp 18-23)
- NELSON, R. William Analysis and predictive methods for ground water flow in large heterogeneous systems, 22:21179 (BNWL-SA-1596)
  - Permeability distribution for heterogeneous porous media, 22:25499 (BNWL-481-3, pp 28-34)
- NELSON, Richard Douglas Effects of gamma radiation on spider mite, 24:14637
- NELSON, Richard F. High energy electron beam treatment planning, 24:48658
- NELSON, Richard Stuart Diffusion images of protons for the study of the structure of monocrystals, 21:46404
  - Improvements in or relating to ion sources, 21:21365
  - Sputtering ion source for producing an ion beam comprising ions of a solid material, 22:44550
- NELSON, Robert Monte Carlo method for non-linear radiation transport in general and on INDIGO code in particular, 21:25171 (UCID-15133)
- NELSON, Robert Howard Profile measurements of the lines He I 4471 and 4922 in dense plasma, 25:45466
- NELSON, Robert L. Cryogenic aspects of Baseball II, 23:23183 (UCRL-71536)
  - Lightweight superconducting magnet for a cosmic ray experiment, 21:45458 (UCRL-70285(Rev.1))
  - Testing composite superconductor for LRL baseball magnet, 22:46116 (UCRL-71022)
- NELSON, Robert M. Two-color photographic photometry of three possible open star clusters, 24:17587
- NELSON, Robert S. Phosphorus-32 and a miniature Geiger counter to detect malignant neoplasia of the rectum, 21:18100
- NELSON, Ronald D. Heat treatment of plutonium, 21:24741
- NELSON, S. C. Radon-daughter exposure measurement with track etch films, 23:22051
- NELSON, S. G. Electron-beam melting and drop casting of tungsten and tungsten alloys, 21:1881
- NELSON, S. O. Electromagnetic and sonic energy for insect control, 21:34748
  - Morphological abnormalities resulting from radiofrequency treatment of larvae of Tenebrio molitor, 22:10847
  - Mortality and internal heating in radiofrequency-treated larvae of Tenebrio molitor, 22:8607
  - Radiation processing in agriculture, 21:45857
- NELSON, S. W. Alpha particle pressure gauge for high altitude constant level balloon flights, 22:38123
- NELSON, Stuart O. New ways to control insects, 22:17068
  - Towards better insect control, 21:26704
- NELSON, T. J. Description of massless particles, 23:25543
  - Harmonic functions for group SU(3) as specialized matrix elements, 21:33724
  - Lorentz-covariant matrices for elementary-particle theories as polynomials in the spin matrices, 24:26388
  - Phase-space distributions for the 4π decay mode of isosinglet bosons, 22:46410
  - S-matrix theory based on the calculus of finite differences, 24:3783
  - Second-quantization process for particles with any spin and with internal symmetry, 22:44460
  - Simplified derivation of irreducible representations of SU(3), 22:46478
  - Spin-matrix polynomials and the Veneziano formula, 24:3630
  - SU_3 harmonics as basis states for meson resonances, 22:9666
- NELSON, Terence J. Classical theory of electric and magnetic fields, 25:38613
- NELSON, Terence John Effects of spin, symmetry, and polarization when isosinglet resonance decays to four pions, 22:9581 (IS-T-210)
  - Effects of spin, symmetry, and polarization when an isosinglet resonance decays to four pions, 22:37134
- NELSON, Thomas S. Intra-arterial 5-bromodeoxyuridine and x-ray therapy, 22:49395
- NELSON, Vaughn C. Diffusion of vacancies and vacancy pairs in NaCl, 22:39154 (COO-1197-30)
- NELSON, Vicki Giles Effect of fractionated x-ray exposures to the ovary of fetal monkeys, 25:6777 (UCD-472-117, pp 17-26)
- NELSON, Victor A. Effects of $^{90}Sr + ^{90}Y$, ^{65}Zn, and ^{51}Cr on larvae of Pacific oyster, Crassostrea gigas, 24:651 (RLO-2047-5, App. B)
  - Effects of ionizing radiation and temperature on larvae of Pacific oyster, 25:37861 (RLO-2225-T-1-3)
- NELSON, W. R. Angular distribution of thick target bremsstrahlung, 24:45646 (CONF-691101-, pp 684-91)
  - Beam safety considerations at the stanford linear accelerator center, 24:45648 (CONF-691101-, pp 782-808)
  - Dose distribution in water phantom irradiated with 10 GeV electron beam, 24:44475 (CONF-691101-, pp 185-208)
  - Effect of target scattering on the shielding of high-energy electron beams, 22:31895
  - Effect of target scattering on the shielding of high energy electron beams, 23:34701
  - Importance and shielding of muons around high-energy electron accelerators, 22:32372
  - Shielding of muons around high energy electron accelerators, 23:13158
  - Use of thermoluminescent dosimeters in high energy health physics, 23:2665 (SLAC-PUB-500)
- NELSON, Wesley C. Cesium-137 in some Colorado game fish, 1965—66, 21:22234 (COO-1156-21)
- NELSON, Wilfred W. Radiation safe window for biological shields, 23:19890
- NELSON, William Electron spin resonance and structure of the BF_2 radical, 24:9372
- NELSON, William H. Structural condition status report, 25:26400 (NVO-99-12)
  - Structural condition survey: movement of building element cracks in six Mercury, Nevada structures, 23:26388 (NVO-99-20)
- NELSON, William Henry Electron spin resonance studies of radicals trapped in low-temperature matrices, 25:52914
- NELSON III, Joseph A. Disposal of radioactive xenon waste, 25:21381
- NELSON III, Joseph Alvin Gamma rays following neutron inelastic scattering in ^{197}Au, 24:30858
- NELTRUP, H. Influence of scattering interference on resonance absorption in ^{238}U and ^{232}Th, 23:40078
  - Integral transport theory in various geometries, 24:50218 (RISO-M-1289)
- NELUBIN, V. V. Low energy S-wave $\pi\pi$-phase shifts, 24:30517
- NELYUBIN, V. V. Low energy phases of s-wave $\pi\pi$ interaction and charge exchange and neutral meson elastic scattering cross sections, 24:28542
  - One-meson approximation to determine $\pi\pi$ interaction cross section, 24:24355
  - Partial-wave analysis of reaction $\pi^-p \rightarrow \pi^+\pi^-n$, 25:38750
- NELYUBOV, A. A. Measurement of absorbed doses with a ferrosulfate dosimeter, 23:24723
- NEMANIC, E. B. Threshold zeros and the N/D method in Yukawa-potential scattering, 25:43713
- NEMANIC, Edward Bruce Threshold zeros in solutions of partial-wave dispersion relations, 24:49624
- NEMASHKALO, A. A. Investigation of the light collection characteristic of light conductors, 25:21391
- NEMASHKALO, B. A. Distribution of radiation widths from (p,γ) reactions, 25:3767
  - Gamma rays from ^{64} ^{66} $^{68}Zn(p,\gamma)^{65}$ ^{67} ^{69}Ga, 25:31249
- NEMASHKALO, V. A. Inelastic scattering of protons by ^{50}Cr, ^{52}Cr, ^{54}Cr, and ^{64}Zn, 25:31253
- NEMBACH, E. Flux pinning centres in superconducting V_3Ga tapes, 24:2964
  - Influence of dislocation on the superconductivity of niobium in a magnetic field, 22:34566
  - Interaction of magnetic flux lines with dislocations and surfaces in Nb. I, 21:23140 (ORNL-tr-1600)
  - Slope function of superconducting oriented niobium single crystals from probe measurements, 21:7161
- NEMBACH, Eckhard Defect structure and critical current density in high field superconductors V_3Ga, $(VZr)_3Ga$, and $(VHf)_3Ga$, 25:3039
  - Low temperature stage for the picker theta—theta x-ray diffractometer, 22:49147 (UCRL-18410)
  - Superconducting transition temperatures of lead—thallium alloys, 22:39015
  - Superconducting transition temperatures of various lead-base alloys, 22:48039
- NEMCEK, J. V. Miniaturized probe for detecting radioactivity at thyroid surgery, 25:55018
  - Transistorized electronic circuits for the miniaturized surgical probe, 23:35462 (ORAU-107, pp 148-51)
- NEMCHENKO, V. F. Installation for determining temperature dependence of resistivity over range of temperatures 300 to 2500° K, 22:52276
  - Magnetoresistance and Hall effect of diborides of metals of the IV B subgroup, 24:35555

Magnetoresistance and Hall effect of metal carbides, 25:52964
Physical properties of niobium and tantalum nitrides, 22:4078
Temperature dependence of absolute thermo-EMF coefficient of certain transition metals, 25:56351
Temperature dependence of electric conductivity and thermal electromotive forces in the homogeneous carbide alloy regions of titanium and niobium, 25:5176
Temperature dependence of the electrical and thermal conductivity of rhenium and metals of the platinum subgroup, 25:55523
Thermal and electric conductivity of porous tungsten, 22:47679
Thermal conductivity and magnetic susceptibility of alkaline earth and rare earth metal hexaborides, 21:14899
Thermal conductivity of borides of metals of IV—VI groups, 22:679
Thermal conductivity of IV-VI group transition metal borides, 21:14900
NEMCHENOK, R. L. Energy distribution of photoelectrons of Gd and Tb, 24:24139
NEMCHINOV, I. V. Dissipation of a heated mass of gas in a regular regime, 23:10673 (SC-T-68-1541)
Gasodynamic processes in gas heated by laser radiation, 21:15191
NEMCHINSKII, V. A. Ionization in plasma together with Maxwellization of free electrons, 23:10658
Kinetic reflection coefficient in formula of thermionic emission current from plasma, 21:35176
Numerical solution of the quasi-linear equations for a beam—plasma system, 25:36142
Probe saturation ion current at intermediate pressures in the cold-ion limit, 24:49120
Saturation ion current to a probe at high and intermediate pressures, 24:49122
Stabilization of the two-stream instability in an inhomogeneous plasma, 25:49912
Theory of the electrode sheath in a low-temperature plasma, 24:3363
NEMCIKOVA, A. Study of stability of dispersive systems by means of backscattering of beta radiation. I, 25:23889
NEMEC, H. W. Inactivation and radical formation after uv irradiation of trypsin, 24:41766
NEMEC, J. Ankle jerk time during radioiodine treatment of hyperthyroidism, 23:43886
Calorimetric experiments on reactor EWA-10 in March and December 1968, 25:26028 (INR-1183)
Comparison of large and small doses of radioactive ^{131}I in treatment of patients with cardiac damage, 25:44872
Distribution of radioactivity bound to proteins in patients treated with ^{131}I, 22:38443
Distribution of radioactivity in body following therapeutic application of ^{131}I in patients with thyroid gland carcinoma, 24:29812
Early changes of protein-bound iodine during treatment, 24:7735
Early manifestation of anaplastic thyroid cancer after radioiodine treatment for toxic nodular goitre, 25:52237
Elastic scattering of 4.3- to 5.1-MeV polarized protons by neon, 21:21498
Erythropoietic polyploidy. I, 21:6475
Hematologic changes in thyroid gland with ^{131}I, 23:26918
Metastatizing thyroid carcinoma, 24:8010
Primary carcinoma of thyroglossal duct, 25:55304
Radiation sickness after therapeutic administration of 806 mCi of ^{131}I for thyroid cancer, 22:10874
Radiation thyroiditis as a complication of treatment with radioiodine, 23:896
Scattering of polarized protons by neon, 21:23451
Scattering of polarized protons by neon, 21:44602 (UJV-1596)
Sodium-21 levels from scattering of polarized protons by neon, 21:44603 (ZFK-122, pp 176-82)
Spectrocalorimetric measurements in core of heavy water reactor, 25:57123
Therapy of thyrotoxicosis with radioactive I, 24:4695
Therapy with radioactive iodine, complications and dosimetry, 24:29887
NEMEC, Jan Ankle jerk time in course of radiothyroidectomy, 23:38851
NEMEC, M. Mechanism of rejection of tolerated skin homografts, 23:16244
Protective action of homologous serum component on graft rejection, 24:634
NEMEC, R. Changes of GOT and GPT serum transaminases of rats kept on different diets after x irradiation, 22:12796
Effect of irradiation in rats, 23:43702
Influence of diets with a different unsaturated fatty acid content on the glycogen level in irradiated rat liver, 21:22675
Influence of structurally different fats in diet on the metabolism of nucleic acids in irradiated rats, 22:45444
Protective effect of fat in radiation sickness, 21:12899
Rats fed unsaturated fatty acid following x irradiation, 25:42298
Single and fractionated repeated x irradiation on the course of rat radiation sickness, 21:18113
NEMEC, Rudolf Determination of ^{14}C, 25:21542
Influence of application of fats to irradiated animals on survival and level of glycogen in liver, 21:43463
Influence of diets on nucleic acid metabolism in rat spleen exposed to x-ray, 21:26376
Lipid fractions in irradiated rats maintained on various diets, 21:28351
NEMENOV, L. L. Atomic decays of elementary particles, 25:50091 (JINR-P2-5941)
Formation and decay of ($\mu^+\mu^-$) atoms, 23:46643 (SLAC-Trans-97)
Production and decay of ($\mu^+\mu^-$) atoms, 24:8651
Search for new type of radioactivity in aluminum and tungsten targets irradiated by 70-GeV protons, 25:14541 (JINR-P1-5399)
NEMENOV, L. M. Cyclotron is put into operation in Kazakhstan, 21:7614
Start-up of Kasakhstan cyclotron, 21:2562
NEMENOVA, N. M. Allogeneic bone marrow transplantation in irradiated baboons and monkeys, 25:32567
Ectopic hemopoiesis in dogs after acute radiation sickness, 22:51925
Hematopoiesis in long-term survival following supralethal irradiation, 23:14128
NEMES, Gizella Extraction of Zr into a liquid phase with n-butanol. I, 23:21796
NEMES, M. Nomograms for calculating optical parameters of weak magnetic quadrupolar lens systems, 25:36630
NEMES, Mirela Electron beam broadening of a 3 MeV linear accelerator, 25:50587
NEMETH, A. Investigations of the ^{131}I contamination at the WWR-S research reactor, 21:26523
NEMETH, Andras Investigation of the fission products released from the fuel elements of the zero power reactor, ZR-4, 24:50189
NEMETH, Andrew M. Premature induction of UDP-glucuronyltransferase activity, 24:11954
NEMETH, E. M. Differential elastic scattering of low-energy protons by argon atoms, 23:32161
Distribution of reaction products. VI. Hot-atom reactions, T + HR, 24:36315
NEMETH, Emil Creep properties of Cr—Mo and Cr—Mo—V turbine alloys, 23:46060
NEMETH, G. Importance of using exact forms for scattering amplitude in Regge pole theory, 25:36531
NEMETH, J. Binding energy of neutron star matter, 21:18371
Comparison of Hartree—Fock, Slater, and Thomas—Fermi approximations, 25:20514
Corrections of the BCS approximation in case of systems with two unperturbed levels, 21:7844
Effect of the density dependence of the forces on first-order finite nuclear calculations, 25:39088
Effective central forces deduced from simple Thomas—Fermi theory, 24:38320
Energies of nuclei with different neutron and proton number in Thomas Fermi approximation, 25:12635 (NP-18545)
Level densities of excited systems with pairing interactions, 21:7833
Nucleus formation in stellar matter, 25:6926 (NP-18544)
Prog. rpt. on mechanical behavior of strontium zirconate, final, 10/15/65—10/14/66, 22:747 (AD-646925)
Relative proton number in neutron star matter, 23:14458
Simple Thomas—Fermi model for nuclei with different proton and neutron number, 25:39092
Symmetry energy of nuclei, 25:6946
Thomas—Fermi theory of nuclei, 25:7915
Validity of the Thomas Fermi approximation, 25:25828
NEMETH, Judit Simple Thomas—Fermi calculation for semi-infinite nuclei, 22:44768
NEMETH, Judith Distribution of charge and matter within nuclei, 22:48594
NEMETH, L. J. Hot cell refueling, 25:48273 (CONF-710315-21)
NEMETH, T. Explanation and prediction of eleven-year cycle of solar activity, 21:590
NEMETH, Tivadar Variation of the sunspot cycle, 21:22951
NEMETH, Zolton Hydrodynamic journal bearings in Na at 800°F, 22:47276
Hydrodynamic journal bearings of various materials and designs in Na at temperatures to 800°F, 21:14352 (MTI-66TR66, pp 6.1.1-33)
NEMETHY, P. Measurement of neutral and charged pion form factor slopes, 23:27736 (NP-17880)
Neutral decay modes of eta^0 meson, 24:37604
Neutral- and charged-pion form-factor slopes, 24:3499
Radiative decay of the muon, 21:29433
NEMETHY, Peter Form factor of the neutral pion, 22:34826 (AD-666979)
NEMETS, A. M. Atomic absorption spectrum method for determining heat of sublimation of refractory metals, 25:37959
NEMETS, O. F. Analysis of differential cross sections of the reaction ^{27}Al(α,t)^{28}Si based on approximation of distorted waves, 21:33947
Analysis of elastically scattered deuterons by means of stripping reactions, 21:25441
Determination of structure of nuclei by use of reactions with deuterons, 25:25783
Elastic scattering of 2.4-4.0-MeV deuterons on ^{19}F, ^{23}Na, and Cl, 24:1761
Fast—slow coincidence scheme for measurement of the angular correlation of nuclear emissions, 22:10578
Inelastic scattering of deuterons, 25:56780
Investigation of (d,α) reactions on ^{19}F in deuteron energy region 2.4 to 3.95 MeV, 23:8938
Investigation of the mechanism of (p,n) reactions on ^{19}F, ^{53}Cr, ^{59}Co, ^{61}Ni, ^{62}Ni, ^{63}Cu at the proton energy 6.8 MeV, 22:1632
Mechanisms for 13.6-MeV deuteron disintegration by nuclei, 25:36713
Optical model analysis of elastic α particle scattering, 21:29893
Optical model analysis of the elastic scattering of 27.2-MeV α particles on ^{27}Al and ^{12}C nuclei, 21:10119
Polarization of deuterons elastically scattered on carbon, 22:35245
Polarization phenomena in ^{3}He(d,p)^{4}He reaction, 25:53566
Random coincidence noise in correlation measurements in a cyclotron, 22:11763
Reactions ^{62}Ni(d,p)^{63}Ni and ^{66}Zn(d,p)^{67}Zn in the energy region 2.4 to 4.0 MeV, 24:22131
Spectral density of the cyclotron beam current and accidental coincidences in nuclear angular correlation measurements on the cyclotron, 23:17044
Study of reactions ^{19}F(d,p)^{20}F and ^{23}Na(d,p)^{24}Na in energy range 2.5 to 4.0 MeV, 24:33120
Use of optical nuclear model for investigating deuteron and α-particle scattering by nuclei, 22:9933
NEMETS, V. M. Isotope analysis of small quantities of hydrogen, 25:44323
NEMICKAS, Rimgaudas Pericardial effusion following radiation to the chest, 22:25997
NEMILOV, V. A. Hardness and microstructure of iron—iridium alloys, 24:24983 (UCRL-Trans-10450)
NEMILOV, Yu. A. Abnormal angular distribution of fragments from fission of Ra nuclei by neutrons with energy 14 to 16 MeV, 24:38241
Abnormal behavior of hole levels in (d,p) reactions, 23:47056
Behavior of impurity atoms in diatomic crystals of InSb and GaSb, 21:13641
Coulomb stripping in wide energy range of emitted protons, 24:33132
Fission of ^{226}Ra by neutrons in threshold region, 24:1852
Fragment angular distribution and deuteron-induced fission cross section of ^{226}Ra, 21:21565
Investigation of the ^{71}Ge, ^{73}Ge, and ^{111}Pd excited levels by means of the (d,p) stripping reaction, 22:5804
Measuring ^{238}U fission cross section for 2.5 MeV neutrons, 25:34113
Neutron fission cross sections of ^{226}Ra and angular distributions of fragments, 22:24870
Neutron polarization in reaction ^{14}N(d,n$_0$)^{15}O (ground state), 22:35247
Nuclear γ resonance after α decay, 21:46407
Photofission cross section of ^{226}Ra, 25:53787
Polarization of neutrons and protons in ^{12}C stripping, 22:22552
Reaction (dα) in ^{32}S and ^{40}C nuclei, 24:18392
Reaction ^{26}Mg(dα)^{24}Na and the ^{24}Na—^{24}Mg—^{24}Al isobaric multiplet, 23:42874
Reaction ^{54}Cr(d,p)^{55}Cr at deuteron energies 12 and 6.8 MeV, 22:13984
Spectroscopic factors of 2p transitions in the reaction (d,p) on nuclei of mean atomic weight, 23:13233
Study of ^{28}Al nucleus level by means of stripping reaction ^{27}Al(d,p)^{28}Al, 23:25855
Violation of isospin selection rules in the (d,α) reaction at E/sub d/ = 7.0 MeV, 24:18363
Yield and angular anisotropy of fragments from photofission of ^{226}Ra, 22:24875
NEMIRO, E. A. Determination of radiation dose to children during x-ray diagnostic procedures, 25:42412
Determination of the radiation loading in roentgenodiagnostic investigation with the aid of thermoluminescent dosimetry, 25:13453
NEMIROVSKII, B. V. Automatic remote-control system for recording gamma radiation, 25:32256
Neutron scintillation detector, 25:55012
NEMIROVSKII, P. E. Antinucleon—deuteron interaction in the impulse approximation, 21:17121
Antiproton—deuteron inelastic interaction in impulse approximation, 24:20166
Antiproton—deuteron scattering in impulse approximation, 24:15588
Charge density distribution and radius of nuclei ^{40}Ca and ^{48}Ca, 22:22568
Energy of nucleon pairs in light nuclei, 21:40494
Inverse relation between density of nuclear matter and shell-model potential, 22:24902
Limits for neutron stability of nuclei, 24:8942
Residual interaction accounting for a large number of configurations, 25:53623
Selfconsistent calculations of the nuclear charge distributions, 24:1899
Shape of isotopic term in the potential of self-consistent field, 22:13985
NEMIROVSKII, V. L. Heat transfer to liquid metals flowing through an annular duct, 23:11717
NEMIROVSKY, Boris Vladimirovich Remote checking of radiation monitors, 25:23784
NEMIROVSKY, I. B. Charge equilibrium of He ions in He gas from 60 to 840 keV, 21:11445
NEMKOVA, N. G. Flow of current in a cross connected MHD generator with four electrodes, 21:37234
MHD plant, combustion techniques, and seeding. IX, 22:5192
Transverse and longitudinal boundary effects in MHD channel of rectangular cross section, 23:48783
NEMNONOV, S. A. Band structure and superconductivity of A_3B-type intermetallic compounds with β-W structure, 22:5285
Electronic structure and interatomic bonds in some compounds and binary alloys, 23:34010
Energy band structure of binary alloys of V, 25:50003
Position of K-absorption edges of Fe in Fe—Al and Fe—Mo alloys, 25:5181
Vacuum x-ray spectrometer, 22:30840
X-ray spectra, energy band structure, and superconductivity of V_3X-type compounds, 24:35573
NEMODRUK, A. A. Analytical chemistry of U(III). I, 25:48449
Breakdown of the uranyl group in strongly acid solutions, 22:48866
Change of valence states of plutonium in solutions of nitric, hydrochloric, sulfuric, and perchloric acids on irradiation by ultraviolet light, 24:200
Complexonometric determination of tetravalent Pu, 21:15842
Compounds formed during the extraction of uranyl nitrate with tributyl phosphate, 22:27885
Determination of different forms of silicic acid in solutions of uranyl nitrate without previous separation, 24:18892
Determination of plutonium in sulfuric acid solution, 22:45018

Extraction and determination of uranium(VI) as complex with arsenazo III, 22:27882
Extraction of hexavalent U by bis (2-ethylhexyl) ester of phosphoric acid from perchlorate solutions with high concentrations of perchloric acid, 23:28978
Formation of polymer compounds by uranyl nitrate in tributyl phosphate extracts, 23:43314
Infrared spectra of the water contained in uranyl nitrate hydrates, 21:8261
Interaction of U(VI) and Arsenazo III in perchloric acid solutions, 22:22986
Mechanism of extraction of hexavalent uranium with bis(2-ethylhexyl)phosphoric acid from nitric acid solutions, 22:2179
New photometric methods of determining actinides, 23:24090
Photochemical reactions in analytical chemistry. I, 21:1397
Photochemical reactions in analytical chemistry. II, 21:19554
Photochemical reactions in analytical chemistry. III, 21:35899
Photochemical reactions in analytical chemistry. IV, 22:22947
Photochemical reactions in analytical chemistry. V, 22:37673
Photochemical reactions in analytical chemistry. VII, 23:34997
Photometric determination of Pu(IV) in the presence of Pu(VI) with xylenol orange, 21:8224
Photometric determination of U in natural waters using arsenazo III, 21:12293
Rapid uranium determination in sulfate solutions, 21:4444
Uranium(IV) tetrametaphosphate as new weight form for determination of uranium, 23:28697
Zone electrophoresis on paper in inorganic analysis. III, 24:2113
NEMOLOCHNOV, A. N. Sidereal diurnal variations of cosmic rays, 22:21950
NEMOSHKALENKO, V. V. Sigma-phase in V—Co and V—Mn alloys, 22:49758
NEMOTO, Tsuyoshi Gamma-ray spectroscopy of heavy water and He-gas in JRR-3 fuel failure, 25:57118 (JAERI-Memo-4157, pp 44-50)
NEMOTO, Yoshiaki 5 MeV electron linear accelerator for CEA in France, 23:32871
Measurements of phase bunching in electron linacs by rf deflector, 24:15730
ML-5 electron linear accelerator for Commissariat a l'Energie Atomique in France, 23:5741
NEMOV, N. Studies of ^{151}Gd radiations, 22:39667
NEMOV, V. V. Density and temperature distribution of plasma, 24:3319
Effect of toroidal state on vacuum magnetic configuration of vintotron, 25:11922 (KHFTI-70-25)
Hydrodynamics of collisional plasma in a strong inhomogeneous magnetic field, 24:28284
Magnetic pumping of an inhomogeneous collisional plasma, 23:14742
Magnetic pumping of an inhomogeneous collisional plasma, 23:18585 (CONF-680113-(Vol.1), pp 485-90)
Magnetic pumping of inhomogeneous colliding plasma, 23:44384 (CONF-680113-(Vol.5), pp 107-11)
Resonance effects in magnetic configurations having a helical magnetic axis, with allowance for toroidality, 25:56209 (CTO-764)
NEMOZ, A. Vortex trapping, 25:9387
NEMOZ, Alain Radiation sealed x-ray diffraction camera, 25:8577
NEMSMANN, U. Determination of the energy spectrum of a gamma-ray flash, 25:3183
Dosimetry of a gamma flash, 25:34892
NEMTSEVA, L. S. Chromatid rearrangements resulting from mitotic crossing-over, 23:50444
Chromatid rearrangements under influence of radiation G_1 phase, 25:44787
Chromosome damages induced by γ-ray doses in Crepis capillaris, 25:4498
Differences in radiation-induced lesions of chromosomes of embryonic meristem of Crepis capillaris seeds, 25:57968
Dose-dependent frequency of encircled ring chromosomes, 25:42351
Effect of water content on radiation-induced chromosome damage in dormant seeds of Crepis capillaris, 23:29447
Effect of x rays on chromosomes in seeds of Crepis capillaris, 24:50844
Mechanism of ring chromosome formation and somatic crossing-over, 25:26721
Mechanism of ring-chromosome production and somatic crossing-over, 24:50812
Protracted mutagenesis induced by ionizing irradiation and its dependence on the water content of a biosystem, 25:55167
Radiosensitivity of dormant seeds of Crepis capillaris, 22:8508
NEMTSOV, A. S. Problems involved in the preparation of welded niobium alloy pipes, 24:34866
NEMYKIN, V. I. Reactions ^{62}Ni(d,p)^{63}Ni and ^{68}Zn(d,p)^{69}Zn in the energy region 2.4 to 4.0 MeV, 24:22131
NEMYKIN, V. N. Elastic scattering of 2.4-4.0-MeV deuterons on ^{19}F, ^{23}Na, and Cl, 24:1761
Study of reactions ^{19}F(d,p)^{20}F and ^{23}Na(d,p)^{24}Na in energy range 2.5 to 4.0 MeV, 24:33120
NEMYSKII, T. Electrophysical properties of melted hexaborides of alkaline- and rare-earth metals, 24:10166
NEMZEK, T. A. Overview of LMFBR program at Hanford, 25:20692 (CONF-700816-(Vol.1), pp 289-316)
NENADOVIC, M. T. Effect of absorbed dose on the yields of radiolytic products in neutral aqueous solutions of oxalate ion and oxygen, 25:34644
Hydroxyl radical reactions in γ-irradiated aqueous solutions, 21:36046
Radiolysis of HCOOH + O_2, 23:40753
Radiolysis of some heavy water solutions at pD 1.3 to 13, 22:16629
NENADOVIC, Tomislav Phenomena following ion bombardment of metals, 24:25754
NENAROKOVA, L. I. Effects of fractionated x irradiation on rat thyroid, 24:753
NENAST'EV, M. V. Shielding tests at 10-GeV proton synchrotron neutron beam, 24:45714
NENCETTI, G. F. Radiolysis behavior of some organoborate compounds, 25:37427
NENCI, G. G. Blood coagulation changes caused by ^{131}I, 25:32607
Radiation effects on changes, concentration, and stability of reduced glutathione in erythrocytes, 22:45384
NENCINI, G. X-ray irradiation of helium containing gaseous impurities. project dragon, 25:2258 (DP-Report-447)
NENCIU, G. About the best stability in weighted dispersion relations, 24:40486 (IFA-FT-81)
Asymptotic theorems from analyticity and SU_3 symmetry, 23:21144
Best stability in weighted dispersion relations, 24:43068
NENNIOFF, N. Operational principle and design of an ionization smoke-gas signal system, 21:4745
NENNO, Soji Crack propagation in W thin foil, 23:20514
Isothermal annealing of the quenched Ni_3Mo alloy. I, 24:32445
NENOFF, N. Investigation of the ^{173}Hf excited states in the ^{173}Ta decay, 25:23025 (JINR-P6-5434)
Operation, design, and properties of an ionization-chamber flue-gas indicator using ^{85}Kr sources, 21:4705
NENOT, J. C. Clearance of radioisotopes from lungs of rats, 25:8591 (CEA-CONF-1677)
Decontamination of the skeleton, 25:49092
Experimental contaminations with americium in solution and their treatment, 25:44800
Experimental research on the treatment of contamination by transplutonium elements, 25:8590 (CEA-CONF-1658)
Experimental study of contaminations by ^{242}Cm and their treatment, 25:6619 (AEC-tr-7178)
Lung clearance: silicosis and anthracosis, 24:541 (CEA-CONF-1314)
Metabolism and therapy of respiratory contamination by some soluble actinides, 25:46676 (ORNL-tr-2491)
Respiratory contamination by actinides in solution, 25:35091
Study of ^{242}Cm contamination and treatment, 25:6686
NENOT, Jean-Claude Efficiency of chelating agents of polyamine acid series for internal decontamination, 22:51564 (CEA-R-3519)
NENOV, N. Decay of ^{173}Ta, 25:36727 (JINR-P6-5704)
Isomeric states in ^{187}Au and ^{189}Au, 21:23511
Neutron-activation determination of silver in ores and rocks, 21:5789
New isotopes ^{176}Re and ^{175}Re, 21:4275 (JINR-P-2910)
New isotopes, ^{176}Re and ^{175}Re, 22:9880
New short-lived activities ^{163}Yb, /sup 165m/Tm, /sup 163m/Tm, /sup 161m/Tm, ^{159}Tm, 22:46765 (JINR-P6-3945)
NENOV, P. Decay of ^{151}Gd, 21:21520 (JINR-P6-3127)
NENOW, E. V. Programmable magnetic field mass spectrometer with on-line data processing, 23:14097
NENS, Chantal Polarography applied to determination of uranium oxide composition, 21:23817 (CEA-R-3186)
NENS, U. Range of wall thickness differences in gamma-ray film recording, 22:19081
NENTWICH, A. A. Introduction of nuclear energy in Austria, 25:53890 (A/CONF.49/P-212)
NENTWICH, Alfred A. Fuel supplies and fuel cycles, 23:13381
Fuel supply and fuel cycles, 22:48796
NENTWICH, D. Description of control experiment in EUROCHEMIC reprocessing facility, 24:20849 (KFK-907)
Development of safeguards procedures for a reprocessing plant similar to the WAK type, 25:4263 (KFK-1102)
Material accounting system for safeguards in nuclear fuel cycle, 25:51748 (A/CONF.49/P-415)
Modern safeguards at reprocessing plants and reactors, 25:21289
Qualitative safeguard measures in sphere of control of fissionable material, 25:23754 (KFK-1108)
Safeguard exercise at fabrication plant ALKEM, 23:40804 (KFK-901)
NENTWICH, O. Decontamination of radioactive effluents at Kernforschungszentrum Karlsruhe, 22:27887
Fixing of radioactive residues in bitumen, 24:11754 (KFK-1037)
Treatment of radioactive wastes in the Nuclear Research Center, Karlsruhe, 25:21124
NEO, Y. P. Identification of twilight helium 10,830-A emission, 23:27505
NEOGY, P. 0^+ state at 6.24 MeV in ^{22}Ne excited by the reaction ^{18}O(^{7}Li,t)^{22}Ne, 23:25897
Location of the missing 0^+, T = 1 state in ^{26}Al, 25:50686
New 1^+ state in ^{26}Al, 22:50576
Plane-wave model for the (^{7}Li,t) alpha transfer reaction, 25:7812
Rotational bands in ^{22}Ne, 24:43290
NEOGY, Partha Reactions ^{18}O(^{7}Li,t)^{22}Ne and ^{21}Ne(d,p)^{22}Ne and nuclear structure of ^{22}Ne, 25:38934
NEOKLADNOVA, L. N. Catalytic activity of γ-irradiated aqueous solutions of complex Co(III) salts, 21:3094
Concerning the radiolysis of triethylenediaminocobalt chloride, 23:17483
NEONETA, A. S. Device for a high-voltage scanning of electron and proton beams, 21:7603
NEOPHYTOU, Michael Chloroma following irradiation in ankylosing spondylitis, 25:42709
NEOVA, I. Determination of geological age of some Bulgarian mica by method of the U fission fragment tracks, 24:46351
NEOVA, I. D. Use of fission fragment mica and glass detectors for recording neutron beams, 22:40434
NEOVSKAYA, G. F. Effectiveness of shielding of different body portions during repeated irradiations with protons, 25:21894
NEPHEW, E. A. Interpretation of pulsed-source experiments in the peach bottom HTGR, 21:40596
Operating experience with the AVR, 24:50140 (CONF-700401-, pp 34-59)
Use of pulsed-source technique for reactivity measurements of the Peach Bottom HTGR, 21:7929
NEPLYUEV, V. M. Elastic and inelastic scattering of deuterons by nuclei, 25:36848
NEPOKRYTYKH, Yu. A. Distortion of the structure of the magnetic field of an accelerator by the conducting coatings of the chamber, 25:20221
NEPOROZHNII, P. S. Pilot MHD power plant (25,000-kW), 23:36553
NEPTUNE, A. M. Louis Radioisotopes in agricultural research, 24:31773
NERADILOVA, M. Hematologic changes in thyroid gland with ^{131}I, 23:26918
NERAI, Teruhiko Calibration of the radioactive waste-liquid monitor, 23:24427 (KURRI-TR-13)
Log of interior radioactive monitoring. I, 23:15965 (KURRI-TR-1)
NERESON, N. Magnetic properties of CeBi, NdBi, TbBi, and DyBi, 25:27887
Magnetic properties of $DyAl_2$ and $NdAl_2$, 21:3926
Magnetic properties of $DyPt_3$ and $DyIn_3$, 23:42505
Magnetic properties of $PrAl_2$, 21:4932 (LA-DC-8136)
Magnetic properties of $PrAl_2$, 21:20518
Magnetic properties of $PrAl_2$ and $ErAl_2$, 22:48197
NERESON, N. G. Crystal structures of LaC_2, 22:28945
Crystallographic and magnetic ordering studies of Pu carbides, 24:21440
High-temperature neutron diffraction study of LaC_2 and YC_2, 21:18340 (LA-DC-8451)
Low temperature magnetic transition in plutonium monocarbide, 21:46003
NERESON, Norris Magnetic properties of $TbIn_3$, $TbPt_3$, and $HoIn_3$, 24:51817
NERESON, Norris G. Crystal structures of ThC_2, 22:49843
Crystal structures of UC_2, 21:24848
Magnetic properties of $DyTl_3$, 25:1313 (CONF-700403-(Vol.1), pp 63-73)
NERETINA, N. A. Obtainment of electron current from arc-discharge plasma in metal vapors, 21:20744
NERHEIM, Noble M. Magnetoplasmadynamic thrustor for space applications, 22:36909 (N-68-16396)
NERI, A. Heating system with programmable radial profile of temperature for the end plates of a Q-device, 21:35133 (CONF-670104-Pt.2, pp 627-32)
High-temperature furnace for production of alkali plasma in thermodynamic equilibrium, 21:42124 (RT/FI-(67)9)
Use of microwave components at high temperatures for measurements in plasma physics, 21:11611 (RT/ING-(66)6)
NERI, D. SNAM process for production of ceramic nuclear fuel microspheres, 24:30010 (CONF-700502-, pp 191-209)
SNAM process for the preparation of ceramic nuclear fuel microspheres, 24:27811
NERI, Maria Grazia Filamentous sex-specific bacteriophage of E. coli K12. III, 22:49645
NERI D. Italian activities in the fuel manufacturing field, 25:52421 (A/CONF.49/P-181)
NERIISHI, S. Cytogenetic study of the offspring of atom bomb survivors, 22:51827
NERIISHI, Shotaro Chromosome aberrations and malignant disease among A-bomb survivors, 24:25444
Chromosome aberrations in leucocytes older survivors of atomic bombings, 22:12868
Cytogenetic investigation of survivors of the atomic bombings of Hiroshima and Nagasaki, 21:8764
Cytogenetics of the in-utero exposed of Hiroshima and Nagasaki, 22:43384
Leukocyte chromosome studies of adult and in-utero survivors, 22:28575
Thyroid carcinoma in atomic bomb survivors, 23:29710
Thyroid carcinoma in atomic bomb survivors, Hiroshima and Nagasaki, 24:816 (ABCC-TR-4-68)
NERLI, Giovanni Sectioned cylindrical vessels, 23:29045
NERO, A. V. Gamma decay of lowest T = 3/2 state of ^{13}N, 22:26841
Low-lying T = 2 states of ^{16}O, 24:30708
Lower limit on mass of ^{9}Be, 22:7636
Observation of T = 2 and 3/2 levels by compound-nucleus reactions, 22:26989
T = 2 levels in ^{20}Ne, ^{24}Mg, and ^{32}S, 23:46957
NERODENKO, L. M. Change in electrical resistivity with decomposition of supersaturated solid solution in alloy K30M18GSN, 25:55472
NERODENKO, M. M. Change in electrical resistivity with decomposition of supersaturated solid solution in alloy K30M18GSN, 25:55472
Stresses and strains when butt joints in sheet Nb are welded, 24:17300
Weldability of certain Mo alloys, 25:27185
NERONOV, V. A. Magnesiotermic production of molybdenum, 24:9329
NEROVNYA, L. K. Drift of small-scale inhomogeneities at Mirny (the Antarctic), 21:39927
Drifts in F2 region over Moscow in the IGY and IQSY periods, 24:17786
Ionospheric researches. XV, 24:17781
Small-scale inhomogeneities of ionosphere in Antarctica, 24:17788
NERPINA, S. B. Conference on use of isotopes and irradiation in agriculture, Moscow, 1965, 22:51445
NERSESOV, E. A. Isospin conservation and β decay of heavy nuclei, 25:36833
NERSESYAN, A. N. Violation of independence of decay of compound nucleus, 25:5636

NERTNEY, R. J. Dynamics of work group behavior, 21:21826 (IDO-17130)
  Idaho Nuclear Corporation Safeguard Review Committee, 22:19329 (IN-1041)
  Safety committee experience and effectiveness, 24:7016
  TRA Safeguard Committee, 21:2875 (IN-1022)
NERUDA, O. Absorption of radiostrontium in irradiated organism, 25:10947
  Absorption rate of Sr from gastrointestinal tract, 25:10951
  Dose distribution in ^{60}Co irradiated dogs, 25:24183
  Problems of excretion analysis after a variable chronic contamination by radiostrontium, 24:36697
  Problems of excretion analysis after repeated internal contamination with strontium radioisotopes, 25:26585
  Use of activated barium sulfate in oral contamination with radiostrontium. III, 25:11047
NERURKAR, N. W. Cosmic x rays in energy range 20 to 200 keV, 23:48767
NERVI, C. Tumor radiotherapy under regional hyperoxygenation, 23:29706
NERVI, Carlo Radiotherapy in treatment of head and neck cancer, 23:38705
NERVI, Jean-Claude Testing of gas jet pump in Pegase loop in order to obtain high He temperatures, 25:48299 (CEA-R-4143)
NERWAL, S. K. Effect of irradiation on some quantitative characters in barley, 25:21655
NES, Aasmund Erik Precipitation in high purity silicon single crystals, 25:2049 (UCRL-19608)
NESBET, R. K. Analysis of Harris variational method in scattering theory, 22:50027
  Anomaly-free variational method for inelastic scattering, 23:14620
  Atomic Bethe—Goldstone equations. I, 21:18415
  Atomic Bethe—Goldstone equations. II, 21:18416
  Bethe—Goldstone equations in scattering theory, 21:22985
  Contracted basis set analytic self-consistent field wave functions for transition metal atoms, 21:30404 (UCRL-50260)
  Evaluation of integrals required in scattering theory. I, 24:12652
  Limited-basis-set analytic self-consistent-field wave functions for transition-metal atoms, 22:9053
  Quadrupole moments of ^{10}B and ^{11}B, 24:28708
  Search procedure for multichannel resonances in electron—atom scattering, 25:55861
  Spontaneous emission in semiclassical radiation theory, 25:38166
  Where semiclassical radiation theory fails, 25:50039
NESBIT, M. Radionuclear (^{75}Se) identification of tumor in children with neuroblastoma, 24:2731
NESBIT, Mark E. Local irradiation after bone marrow remission in acute leukemia, 21:45681
NESBIT, Mark E. Jr. Portal hypertension following surgery, x radiation, and actinomycin D therapy of nephroblastoma, 25:47019
NESBITT, E. A. Cast permanent magnets of Co_5RE type with mixtures of Ce and Sm, 25:27883
  Cast rare-earth permanent magnets, 24:24160
  High-coercive-force rare-earth alloy films by getter sputtering, 23:39569
  New permanent magnet materials containing rare-earth metals, 23:30046
  New permanent magnet materials, 22:31990
NESEMANN, H. Physical and technical limitations of storage ring luminosity, 24:8777 (DESY-69/44)
NESENYUK, T. A. Microflora of bronchial contents after radium therapy, 23:43923
NESET, K. M. Impurity removal from Dragon reactor during initial commissioning, 25:3862 (DP-Report-553)
  Treatment and disposal of wastes at the Institute for Atomic Energy, Norway, 25:21115
NESET, Kjell Waste problems of nuclear power reactors, 24:2273
NESHCHIMENKO, Yu. P. Mercury mass-diffusion column for isotope separation, 21:161
NESHENKO, N. S. Effect of rare earth metals on the gas saturation of steel, 22:19527
NESHKOV, D. Z. Luminescence of the air caused by fast electrons, 24:46518
NESHPOR, V. S. Electro- and thermophysical properties of zirconium monocarbide, 21:11303
  Electro- and thermophysical properties in pseudobinary alloys of Zr—N—C system, 21:14889
  Electronic properties of nonstoichiometric vanadium monocarbides, 25:30667
  Electrophysical properties and chemical bond types in compounds of beryllium with boron and carbon, 25:42997
  Electrophysical properties and nature of the chemical bond in compounds of beryllium with boron and carbon, 25:29943 (LA-tr-71-30)
  F centers in hexagonal BN enriched with ^{10}B, 22:50254
  Interaction between niobium carbide and tungsten, 21:14906
  Investigation of an irradiated hexagonal nitride, 24:10199
  Mechanism of conductance in defective niobium monocarbide lattices, 21:41656
  Mechanism of the phase transition in boron nitride, 25:42994
  Properties of pyrolytic carbides and nitrides, 21:18329
  Spherical granules of tungsten carbide, 22:38612
  Superconductivity of some alloys of the tungsten—rhenium—carbon system, 22:19922
  Superconductivity of titanium carbide, 25:5038
  Thermal conductivity of cubic monocarbides and mononitrides of transition metals, 23:10279
  Thermal diffusivity of pyrolytic zirconium carbide, 25:32822
  Thermal diffusivity of pyrolytic ZrB_2, 24:27852
NESHPOR, Yu. I. Compression and expansion of the generation region in synchrotron radioemission, 24:17535
  Hard x-ray emission of solar flare on Sept. 28, 1961, 25:19435
  Mechanism of origin of decameter emission during the flare of July 12, 1961, 21:37003
  Radio and hard x-ray radiation of solar flares, 21:37025
  Temporal variations of the x radiation of the solar flare of August 7, 1960, 21:37026
  Time variations of the x-ray spectrum of solar flares, 21:16693
  X-ray flux of the flares of UV Cet type stars, 24:17421
NESIC, O. M. Precipitation in the zirconium—1.5 wt. percent tin base alloy, 25:49463
NESIS, A. Studies of granular velocities. I, 24:10300
NESIS, A. I. Device for limiting harmful irradiation in roentgenoscopy, 21:12847
NESKOVIC, B. A. Early effects of homologous DNA of irradiated L-strain cells, 23:12140 (AEC-tr-6646/4A, pp 151-4)
  Effect of gamma rays and high energy electrons on development and mitosis of malignant cells, 25:52176 (A/CONF.49/P-358)
NESMEJANOV, A. N. Method of isotope tracers and its use in the industrial production, 25:51705 (A/CONF.49/P-701)
NESMELOVA, Z. N. Production of preparations of carbon from natural gases for isotope analysis, 21:8202
NESMEYANOV, A. N. Application of Moessbauer effect in the investigation of the form and stabilization of recoil atoms from /sup 119m/Sn and Sn oxide, 21:8393
  Charged states in moessbauer effect and hot atom chemistry in solids, 24:9356
  Cobalt-57 electron capture in $K_3[Fe(C_2O_4)_3].3H_2O$, 23:47488
  Determination of recoil atoms of /sup 119m/Sn, stabilized as metallic tin in tin oxide irradiated in atomic reactor, 21:35889
  Determination of state of ^{129}I in β-/sup 129m/TeO_3 by nuclear gamma resonance, 25:2304
  Effect of converted isomeric transition in /sup 125m/Te on Moessbauer emission spectra in some Te compounds, 22:52895
  Investigation of chemical effects of $^{118}Sn(n,\gamma)$/sup 119m/Sn reaction and the form of /sup 119m/Sn stabilization in Sn dioxides, 21:8359
  Isolation of radioactive ^{48}V and ^{49}V from Ti target irradiated in cyclotron, 25:37446
  Mechanism of stabilizing recoil atoms from ^{56}Mn in K permanganate solution, 21:14272
  Role of hydrodynamics in kinetics of isotopic exchange in Sb(V)—HCl—$(C_4H_9)_2O$—H_2O systems, 23:47439
  Study of hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl-manganese tricarbonyls in acid media, 21:15910
  Study of iodine extraction kinetics by means of the isotope exchange method, 25:15595
  Thermal annealing of neutron irradiated SnO_2, 24:14985
  Thermal annealing of neutron-irradiated SnO, 24:9357
  Use of correlation equations in the case of the isotopic exchange of hydrogen in the ferrocene series, 21:19593
  Valence states of Eu and Dy in Laves phases and isomer shifts in Moessbauer spectra, 25:56379
NESMEYANOV, An. N. Consequencies of β-decay of ^{129}Te in some Te oxide compounds, 25:34674
  Europium and Dy valency states in Laves phases and isomeric shifts in Moessbauer spectra, 24:36936
  Forms of stabilized /sup 113m/Sn recoil atoms in reactor-irradiated tin oxides, 22:4210
  Gamma-radiolysis of tin oxides, 25:18470
  Intramolecular activity distribution in picoline labeled with recoil atoms of ^{14}C, 21:8333
  Investigation of forms of stabilization of ^{51}Cr recoil atoms in some oxygen-containing compounds of chromium, 23:13750
  Investigation of results of (n,γ) reactions in tin dioxide by method of nuclear gamma resonance, 22:29563
  Kinetics of Sb(III and V) extraction, 25:12999
  Methods for the measurement of the velocity of evaporation of refractory carbides with exposed surface in vacuum, 22:28918
  Nuclear gamma-resonance study of products of β-decay of /sup 121m/Sn, 25:13074
  Radiation conservation of amino acids upon interaction with recoil tritium atoms, 21:116
  Radiochemical synthesis of labeled carbonyl and carboxyl compounds with hydrocarbon base and labeled carbon oxides, 21:8336
  Reaction of tritium recoil atoms with α-alanine derivatives, 21:123
  Reactions of hot atoms in condensed systems, 21:137
  Reactions of tritium recoil atoms in n-hexane—benzene binary mixtures, 24:36314
  Reactions of tritium recoil atoms with amino acids, 21:12490
  Stabilization of recoil atoms of /sup 119m/Sn in tin oxides irradiated in a reactor by 5.4×10^{21} n/cm^2 doses, 23:13797
  Study of kinetics of benzoic acid extraction with toluene by isotopic exchange method, 25:34584
  Tellurium-125 Moessbauer effect study of electron capture in certain ^{125}I compounds, 24:36335
  Textbook of practical studies in radiochemistry, 23:28935
NESMEYANOV, N. Behavior of atoms of recoil tritium in solid mixtures of cyclohexane and benzene with additions of iodine, 23:13793
NESMEYANOV, N. An. Chemical effect of hot atoms of hydrogen on isopropyl ether, 22:23075
NESMEYANOVA, K. A. Oxygen influence on corrosion resistance of steels in steam—water flows at 280°C, 24:51137
NESMITH, Jerard A. New normal ranges for the radioiodine uptake study, 24:44409
NESMYANOVICH, A. T. Diurnal and seasonal pattern in frequency of occurrence of sudden commencements, 25:56003
  Sources of geomagnetic storms with gradual commencement, 23:20762
NESMYANOVICH, E. I. Diurnal and seasonal pattern in frequency of occurrence of sudden commencements, 25:56003
NESS, N. F. Asymmetric access of energetic solar protons to the Earth's north and south polar caps, 25:43233
  Asymmetric access of energetic solar protons to Earth's north and south polar caps, 25:45359 (AD-718376)
  Configuration of the geomagnetic tail during substorms, 25:7301
  Dependence of the lunar wake on solar wind plasma characteristics, 23:41849
  Early results from the magnetic field experiment on lunar Explorer 35, 22:5248
  Earth's magnetic tail and neutral sheet at 510,000 km, 21:13451
  Electrical conductivity of the Moon, 25:47319
  Geomagnetic tail at 500 earth radii, 24:5080
  Inter-relationship of cosmic-ray anisotropies and interplanetary magnetic field, 22:47841 (N-68-24668)
  Interplanetary magnetic field fluctuations, 24:6320
  Interplanetary magnetic field measured by Pioneer 8 during the Feb. 25, 1969 event, 25:27556
  Interplanetary magnetic fields and plasmas, 23:46221
  Interpretation of Lunik-10 magnetometer results, 22:34426
  Interrelationship of cosmic-ray anisotropies and the interplanetary magnetic field, 22:36693
  Magnetic field fluctuations in magnetosheath observed by Pioneer 7 and 8, 24:32731 (N-70-14257)
  Magnetic field measurements with IMP 2 satellite, 21:25040
  Magnetic-field fluctuations in the magnetosheath observed by Pioneers 7 and 8, 25:7227
  Neutral sheet in geomagnetic tail, 21:11525
  Observations and interpretation of lunar Mach cone, 25:7224
  Observations of the interplanetary magnetic field, July 4—12, 1966, 23:22820
  Observations of the interplanetary medium: Vela 3 and Imp 3, 1965—1967, 25:55780
  Particle shadowing by the Moon, 23:10382
  Perturbations of the interplanetary magnetic field by the lunar wake, 22:31555
  Perturbed-interplanetary magnetic field in the lunar wake, 23:1155
  Plasma and magnetic field observations during the magnetosphere passage of Pioneer 7, 22:22048
  Solar wind thermal anisotropies: Vela 3 and IMP 3, 22:2938
NESS, Norman F. Active regions and the interplanetary magnetic field, 23:36412
  Discussion of paper by Fredricks, Greenstadt, and Sonnett, 22:29337
  Geomagnetic tail, 23:16715 (N-68-34633)
  Geomagnetic tail, 23:30439
  Influence of a solar active region on the interplanetary magnetic field, 23:1125
  Influence of interplanetary magnetic field and plasma on geomagnetic activity during quiet-sun conditions, 21:5128 (AD-637207)
  Influence of interplanetary magnetic field and plasma on geomagnetic activity, 21:11521
  Interplanetary sector structure, 1962—66, 22:11178
  Macro and micro structure of the interplanetary magnetic field, 21:39792
  Magnetic field fluctuations in earth's magnetosheath, 24:37324 (N-70-19274)
  Magnetic field fluctuations in Earth's magnetosheath, 25:7228
  Magnetic structure of interplanetary space, 25:4926
  Magnetic-field geometry of Jupiter, 25:30251
  Model of interplanetary and coronal magnetic fields, 23:25080
  Observed particle effects of interplanetary shock wave on July 8, 1966, 21:13307
  Power spectra of the interplanetary magnetic field, 23:39225
  Probable observations of geomagnetic tail at 10^3 earth radii by Pioneer 7, 21:37298
  Properties of interplanetary plasma, 22:45872
  Satellite measurements of magnetic fields in space, 21:46218 (N-67-18653)
  Satellite studies of the Earth's magnetic tail, 23:44276
  Simultaneous trapped electron and magnetic tail field observations, 21:2127
  Solar source of the interplanetary sector structure, 22:890
  Solar wind and the interplanetary magnetic field, 22:45840
  Solar wind interaction with geomagnetic field, 21:24977 (N-67-11378)
  Solar wind interaction with Mercury, 25:30389
  Tangential discontinuities in the solar wind, 24:3116
  Use of two magnetometers for magnetic field measurements on a spacecraft, 25:40477
NESSIN, M. Isobaric analog states in ^{24}Mg, ^{27}Al, and ^{28}Si, 25:10007
  Proton-capture gamma rays from ^{9}Be, ^{12}C, ^{24}Mg, and ^{40}Ca in the giant-resonance region, 21:31729
NESSIN, N. Some M1 transitions with $\Delta = 1$ in ^{24}Mg, ^{27}Al and ^{28}Si, 25:28225
NESSLAGE, G. V. Vacuum vapor deposition techniques, 23:35982 (MLM-1509)
NESSLER, C. G. Friction welding of titanium alloys, 25:55409
NESTASE, M. Role of potassium in the radiosensitizing effect of riboflavin, 21:34580
NESTER, Eugene W. Inactivation of transforming DNA by tritium disintegrations in vivo, 22:47463
  Kinetic isotope studies on inactivation of transforming deoxyribonucleic acid, tobacco mosaic virus, and its nucleic acid by ultraviolet light, 21:14605
NESTERENKO, A. I. Serotonin exchange in chronic radiation sickness, 21:3387

- NESTERENKO, D. A. Trimethylolaminomethane in Mannich reactions, 24:16405 (UCRL-Trans-10387)
- NESTERENKO, M. N. Mo, W, and U oxyfluorides of alkali metals and ammonium, 22:45080
  - Rubidium and cesium uranyl fluorides, 23:6103
- NESTERENKO, S. V. Diaphragm for limitation of ionising radiation beam, 24:9726
- NESTERENKO, V. B. BRG-30 experimental power installation with gas-cooled fast neutron reactor and dissociating heat transfer medium, 25:34323 (JPRS-53069, pp 166-75)
  - BRG-30 experimental power plant with a gas-cooled fast reactor and a dissociating coolant, 25:48240
  - Dissociating gases: a new class of coolants and working substances for large power plants, 25:37393
  - Investigation progress in Institute of Nuclear Power of Belorussian Academy of Sciences, 22:35679
  - Physical and technical principles of creating atomic power stations with fast neutron gas reactors cooled by dissociating N_2O_4, 25:54284 (A/CONF.49/P-431)
  - Prospects for using chemically reacting systems as coolant and working substance in atomic power stations with fast nuclear reactors, 23:52338 (JPRS-48330, pp 640-66)
- NESTERENKO, V. I. Study of the effect of accelerated electrons on the structure of polycrystalline barium titanate, 22:29588
- NESTERENKO, V. P. Assimilation of ^{90}Sr by the body, 25:23975 (AEC-tr-7195, pp 236-40)
  - Calculation on the dosage of preparations reducing the deposition of ^{90}Sr in the organism, 23:12172
  - Penetration of ^{90}Sr from various foodstuffs and effect of composition of diet on its assimilation, 23:22180 (AEC-tr-6944, pp 641-50)
  - Radiostrontium in food products diet and its assimilation by rats, 25:23974 (AEC-tr-7195, pp 226-35)
- NESTERENKO, V. S. Influence of ionizing radiation on the dendritic potentials, 24:9928
  - Initial reactions of the vestibular analyzer of rabbits with local irradiation, 22:6905
  - Interaction between 14-MeV neutrons and nuclei of Fe, Cu, and Nb, 25:56684 (FEI-216)
  - Myoparalytic action of succinylcholine following whole-body gamma irradiation, 25:46996
  - Synaptic lag in rats during acute radiation sickness, 24:870
- NESTERENKO, V. V. Eikonal scattering amplitude in some models of field theory at high energies, 25:25522 (JINR-P2-5577)
  - Functional integration and Regge-eikonal representation of scattering amplitude, 25:36587 (JINR-P2-5768)
  - Virtual-particle propagators and high-energy behavior of Feynman diagrams, 24:52231
- NESTERIKHIN, Yu. E. Collisionless shock waves in a rarefied plasma, 22:5372
  - Cross sections for ionization of neutral beams by electrons, 24:1289
  - Experiments on shock plasma heating in a rapidly rising magnetic field, 25:1168
  - Experiments with strong shockwaves on Voda I, 24:6510 (NP-tr-1861)
  - Generation of collisionless shock waves propagating along a magnetic field, 21:9415
  - Measurement of electron plasma temperature with a differential charged-particle energy analyzer. II, 25:33227
  - Measurement of electron temperature of plasma, 24:15277 (NP-18115)
  - Measurement of electron temperature of plasma using differential analyzer. I, 25:7373
  - Methods of high-speed measurement in gas dynamics and plasma physics, 21:13544 (JPRS-39657)
  - Methods of high-speed measurements in gas dynamics and plasma physics, 23:34390 (N-69-19881)
  - Methods of measuring velocities in gasdynamics and plasma physics, 22:31800
  - Oscillation-type structure of a quasi-steady magnetohydrodynamic shock wave in plasma, 22:22158
  - Oscillatory structure of a quasi-stationary magnetohydrodynamic shockwave in a plasma, 22:29480 (NP-tr-1643)
  - Source of neutral particles, 23:12553
  - System for ultrafast registration of spectral line shapes, 21:4689 (NP-16394)
- NESTERKO, N. A. Isophotes of solar corona on 9/22/68, 25:40285
- NESTEROV, A. A. Fast-electron irradiation effect on recombination radiation, 22:20076
  - Fine structure of SiC irradiated with fast electrons, 25:7446
  - Luminescence of irradiated β-SiC, 25:59139
- NESTEROV, B. M. Welding molybdenum and tungsten by tin base solder, 21:18239
- NESTEROV, B. V. Cross sections of formation of gamma quanta in reaction (n,n'γ) in fluorine, cobalt, antimony, and tantalum nuclei, 24:8839 (FEI-155)
  - Gamma emission in capture of thermal neutrons on Cr isotopes, 25:34046
  - Gamma-radiation during thermal neutron capture on chromium and iron isotopes, 25:56683 (FEI-205)
  - Gamma-ray spectra measurement from the capture of intermediate neutrons, 25:25672
- NESTEROV, G. Influence of Forbush effects on cosmic-radiation layer in lower ionosphere, 24:35265
- NESTEROV, G. T. Behavior of cosmic layers in lower ionosphere during Forbush decreases, 25:30311
- NESTEROV, M. M. Asymptotics of total annihilation cross section of e^+e^- pair into any number of photons and any number of $\mu^+\mu^-$ pairs at high energy, 25:38706
  - Interference between Coulomb and strong interactions at high energies, 25:43607
  - J-plane singularities of $e^-\mu^-$ scattering amplitudes, 23:36887
- NESTEROV, V. A. Application of gas-dispersed media in EGD generators, 24:47074
  - Self-sustaining discharge in a moving gas, 24:1399
- NESTEROV, V. E. Chemical composition of primary cosmic rays in medium-energy region, 21:31270
  - Chemical constituents of primary cosmic rays measured by Proton-1 and Proton-2, 22:11283
  - Cosmic ray particles and their chemical composition, 21:18472 (UCRL-Trans-1340)
  - Determination of position of cosmic-ray equator, 21:31267
  - Effective cross section of inelastic interaction between protons and carbon nuclei, 22:21928
  - Effective cross sections of inelastic interactions of 10^{10} to 10^{13} eV protons with carbon nuclei measured with Proton-1 and Proton-2 instruments, 22:22550
  - Effective cross sections of inelastic proton interaction with carbon and hydrogen nuclei in energy region 20 to 600 GeV, 24:30444
  - Energy spectra of primary cosmic particles in 10^{10}- to 10^{14}-eV range recorded by Proton-1 and Proton-2, 22:11285
  - Energy spectrum of primary cosmic particles with high and superhigh energies on space stations proton, 24:35231
  - Energy spectrum of primary cosmic rays in region of 10^{10} to 10^{14} eV, 21:31269
  - Energy spectrum of primary protons in 10^{10}- to 10^{13}-eV range as measured by Proton-1 and Proton-2, 22:11284
  - High-energy γ quanta at the upper limits of the atmosphere, 21:31271
  - High-transmission spectrometer for nuclear charges of primary cosmic rays, 21:37210
  - Measurement by Proton-1 of effective cross sections of interactions between inelastic protons and C nuclei with energies of 10^{10} to 10^{12} eV, 21:29445
  - Measurements of cross section for inelastic interaction of 10- to 1000-GeV protons with carbon, 22:13272
  - Measuring device for high-energy gamma quanta in the primary cosmic radiation, 21:37214
  - Proton component of inner radiation belt in Brazilian anomaly, 21:31314
  - Spectrometer for high-energy cosmic-ray particles designed for Proton satellites, 22:2417
  - Studies of high-energy particles in Proton cosmic stations, 24:21940
  - Studies of the nuclear component of the primary cosmic rays on the Proton-2 satellite, 21:37213
  - Study of high-energy electrons, 21:31263
- NESTEROV, V. G. Angular anisotropy and effect of nucleon pair correlation during fission of nuclei by neutrons, 21:35499 (FEI-67)
  - Angular anisotropy and effects of pair correlation of nucleons in nuclear fission by neutrons, 22:14080 (ANL-Trans-550)
  - Angular anisotropy and nucleon pair correlation effects in nuclear fission, 22:14095
  - Average number of prompt neutrons in fission of ^{235}U and ^{239}Pu by neutrons, 25:15116
  - Effect of parameters of the optical model on the channel analysis of the neutron-induced nuclear fission, 23:9048
  - Effect of the optical-model parameters on channel analysis of the neutron-induced nuclear fission, 23:42955 (BNL-tr-273)
  - Energy dependence of the angular distribution of fragments in the neutron fission of ^{233}U, ^{235}U, and ^{239}Pu, 21:10066
  - Ratios of fast neutron fission cross sections of ^{233}U, ^{235}U, and ^{239}Pu, 22:32621
  - Simple quasiclassical correlation for the angular anisotropy of nuclear fission by neutrons, 22:9926 (ANL-Trans-548)
  - Simple quasiclassical relation for the angular anisotropy in neutron fission of nuclei, 22:5903
- NESTEROV, V. M. Effective cross sections of atomic displacement in some two-component glasses under effects of γ radiation, 23:1545
- NESTEROVA, L. L. Positive column of neon discharges at average gas pressures. III, 24:8442
  - Probe diagnostics of a plasma at medium pressures, 23:51618
- NESTEROVA, N. M. Fluctuations of Cherenkov flash accompanying EAS, 22:13279
  - Installation for study of extensive showers, 23:41063
  - Spectrum of extensive air showers according to the number of electrons at mountain level, 24:21916
- NESTEROVA, O. P. Influence of Ru on heat conductivity of Nb, 22:45774
  - Niobium reactions with ruthenium, 21:495
  - Reactions between NbRu and TaRu compounds, 21:475
  - Ruthenium reactions with tantalum, 21:496
  - Tantalum reaction with NbRu, 21:474
- NESTEROVA, V. I. Clinical picture of acute radiation sickness induced by radioactive thulium, 22:31216
- NESTEROVA, V. V. Methods of measuring high-activity radiation sources, 21:1625
- NESTERUK, F. Ya. Power, nuclear, transport, and aviation technology. Interplanetary navigation, 24:40904
- NESTOR, C. W. Relativistic and non-relativistic SCF wave functions for atoms and ions from Z = 2 to 80, 21:6980 (ORNL-4027)
- NESTOR, C. W. Jr. Calculation of electron binding energies and x-ray energies for superheavy elements 114, 126, and 140, 22:47807
  - Calculation of electron shake-off for elements from Z = 2 to 92, 22:26252
  - Calculation of K, L, M, and N binding energies and K x-rays for elements from Z = 96 to 120, 23:49473
  - Comparison of non-relativistic Hartree—Fock calculations for selected atoms and ions, 22:38727 (ORNL-TM-2251)
  - Comprehensive calculation of ionization potentials and binding energies for multiply-charged ions, 24:39821 (ORNL-4562)
  - Comprehensive calculation of ionization potentials for multiply-charged ions from Z = 104 to 126, 25:47325 (ORNL-4721)
  - Effective nucleon—nucleon interaction for use in nuclear Hartree—Fock calculations, 23:42959 (ORNL-TM-2556)
  - Effective nucleon—nucleon potential for use in nuclear Hartree—Fock calculations, 22:32718
  - Eigenvalues, radial expectation values, and potentials for free atoms from Z = 2 to 126 as calculated from relativistic Hartree—Fock—Slater atomic wave functions, 25:9168 (ORNL-4614)
  - Elastic scattering of low-energy electrons by metastable He, 21:39826
  - Heating in infinite cylinders by uniform gamma-ray sources, 21:26077
  - Oak Ridge data evaluation and analysis language, 24:20667 (ORNL-4506)
  - ORTHIS, ORTHAT: two computer programs for solving two-dimensional steady-state and transient heat conduction problems, 25:41985 (ORNL-TM-3324)
  - Predicted properties of the super heavy elements. I, 24:18948
  - Prog. rpt. on mathematics, annual, 1968, 23:21604 (ORNL-4385)
  - Prog. rpt. on mathematics, annual, 12/69, 24:25325 (ORNL-4514)
  - Pseudo-atom phase shifts of liquid metals and alloys, 21:11394 (ORNL-P-2569)
  - Subroutine RKLDEQ for integration of first order ordinary differential equations on IBM 360/75, 21:21830 (ORNL-TM-1762)
- NESTOR, Charles William Jr. Effective nucleon—nucleon interaction for use in nuclear Hartree—Fock calculations, 25:1775
- NESTOR, O. H. Stacking fault energy of Ni-base superalloy, 23:34013
- NESTORESCO, N. Part played by ionizing radiation in experimental infection with pathogenic staphylococci, 24:32182 (ORNL-tr-2315)
- NESTORESCU, N. Interrelations between ionizing radiations and immunization with living vaccine. I, 21:43515
  - Pleural reaction and local diffusion of penicillin in irradiated mice, 21:4852
- NESTOROV, G. Accuracy of equation for absorption in the ionospheric D region, 22:22065
  - Aeronomic characteristics of D region, 25:16900
  - Characteristics of D region and energy spectra of ionizing radiation of Oct. 30, 1969, 25:47428
  - Cosmic layer in the low ionosphere is a reality, 24:28164
  - Development of ionization processes in night ionosphere with geomagnetic storms, 24:35307
  - Effect of solar cosmic rays on low ionosphere, 21:20866
  - Effect of solar flares on low ionosphere, 21:37328
  - Evaluation of solar hard x radiation by absorption in D region, 25:9330
  - Experiment with exponential model for ionospheric D region, 25:22405
  - Exponential model of ionospheric D region, 25:9328
  - Flares and the superposition of two ionospheric effects, 21:31148
  - Flares and the superposition of two ionospheric effects, 22:21787
  - Indicator about the modulation of galactic cosmic rays by the solar wind, 21:20797
  - Influence of Forbush effects on cosmic layer in lower ionosphere, 24:30183
  - Iono-index about the hard emission of the solar-active regions, 23:27460
  - Ionospheric effects of x-ray emission from an active region, 23:22790
  - Possible assessment of energetic electron flux in D-region at sunrise, 25:40496
  - Proton region with flares and ionospheric effects, 23:14527
  - Solar radiation in connection with geomagnetic disturbances in Sept. 1969, 25:36008
  - Sources of excessive absorption in night E layer, 24:23856
  - Variations in lower ionosphere associated with cosmic-ray and geomagnetic variations, 25:14127
  - Variations of hard solar x rays deduced from radio-wave absorption, 25:11817
- NESTOROV, G. T. Frequency dependence of nighttime absorption in the solar activity cycle, 25:47433
- NESTOROV, Georgi Auxiliary ionization at base of D region, 22:19895
  - D-region dynamics during the solar eclipse of May 20, 1966, 23:10533
  - D-region of the sun, 24:6410
  - Dynamics of the D region during the solar eclipse of May 20, 1966, 22:15442
  - Effects in night time lower ionosphere at middle latitudes caused by solar corpuscular fluxes, 24:12696
  - Effects of corpuscular fluxes in night ionosphere, 25:24967
  - Ion kinetics of the lower ionosphere, 23:27458
  - Ionization of night E region of ionosphere, 25:24968
  - Ionospheric effect of penetration of fast protons into the D-region in the mean geomagnetic latitudes, 22:24150
  - Night time ionospheric absorption at medium solar activity, 24:12695
  - Nonstationary and quasistationary conditions in the D region of the ionosphere, 22:11323
  - Preliminary results of attempts to measure night-time ionospheric absorption in the case of quasi-vertical wave incidence, 22:15443
  - Time variation of electron production in D region during solar flares, 22:19894
  - Variations of coefficient of recombination in lower ionosphere, 22:34406
  - Variations of non-deviating absorption in D region, 22:34403
  - Vertical movements in D region of the ionosphere, 24:17836
- NESTOROV, Georgi T. Narrowing of the ionospheric absorption anomaly by solar eclipses, 23:6926

  Sunrise effects in lower D-region by solar eclipse, 23:6929
NESTRELYAEV, V. V. Nomogram for determining range of protons, 25:17260
NESYN, I. N. Changed titre of heterophile antibodies in patients with cancer of cervix uteri, 23:31669
NESYTO, E. Dechlorination of DDT in solution by ionizing radiation, 25:48538
NESYTO, Edwin Mechanism of the radiation-induced dechlorination of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane in alcholic solution, 25:54620
NESYTOV, Yu. K. Radioactive fallout prediction, 23:21827
  Radioactive-contamination forecasting, 25:48615 (AEC-tr-7137)
NESZMELYI, A. Determination of equilibrium constant of isotope exchange by NMR measurements, 22:8064
NESZMELYI, Andras Determination of equilibrium constant of isotope exchange by NMR measurements, 21:34271
NETA, P. Compilation of rate constants for reactions of hydrated electrons, H atoms, and OH radicals with inorganic and organic compounds in aqueous solution, 21:30443 (IA-1079)
  Compilation of specific bimolecular rate constants for the reactions of hydrated electrons, hydrogen atoms, and hydroxyl radicals, 21:32200
  Electron spin resonance study of deamination of amino acids by hydrated electrons, 24:31309
  Electron spin resonance study of irradiated aqueous solutions of fumarate ion. The use of fumarate for radical trapping, 25:54656
  Electron spin resonance study of radicals produced in irradiated aqueous solutions of amines and amino acids, 25:23616
  Electron spin resonance study of radicals produced in irradiated aqueous solutions of thiols, 25:44399
  Electron spin resonance study of the rate constants for reaction of hydrogen atoms with organic compounds in aqueous solution, 25:39542
  Pulse radiolysis of aliphatic acids in aqueous solutions. II, 24:7431
  Pulse radiolysis of aliphatic acids in aqueous solutions. I, 24:7457
  Pulse radiolysis of aliphatic acids in aqueous solution. III, 24:19016
  Pulse radiolysis studies. XII, 22:42766
  Pulse radiolysis studies. XIII, 23:47512
  Pulse radiolysis study of alcohols in aqueous solution, 24:5691
  Pulse-radiolysis studies. XIV, 23:15919
  Rate constants for reaction of hydrogen atoms in aqueous solutions, 25:18459
  Rate constants for reaction of hydrogen atoms with compounds of biochemical interest, 25:55132
  Reaction of fluoride ions with hydrogen atoms in aqueous solution, 21:14259
  Reaction of nitriles with hydrated electrons and hydrogen atoms in aqueous solution as studied by electron spin resonance, 24:44054
  Reactions of halogenoaliphatic acids with free radicals in aqueous solution. I, 21:25916
  Reactions of halogenoaliphatic acids with free radicals in aqueous solution. II, 21:25906
  Reactions of halogenoaliphatic acids with free radicals in aqueous solution. III, 21:25907
  Selectivity in reactions of e/sub aq/$^-$ and OH radicals with simple peptides in aqueous solution. Optical absorption spectra of intermediates, 24:44036
NETANGE, B. Fast measurement of ion-implantation profiles, 25:19800
NETECHA, M. E. Build-up of slowing-down neutrons in reactor shield, 23:23885
  Energy distribution of neutron dose rate in various shielding materials and compositions, 21:21039
NETER, E. Interaction of laser radiation with biologic systems. III, 22:4570
NETHAWAY, D. R. Fission of ^{233}U with 14.8-MeV neutrons, 25:7870
  Half life and formation cross section of /sup 177m/Lu, 21:25556
  Half-lives of ^{164}Ho, ^{167}Tm, and ^{168}Tm and the ^{165}Ho(n,γ) /sup 166m/ Ho cross section, 22:14028
  Low-yield products from fission of ^{232}Th, ^{235}U, and ^{238}U with 14.8-MeV neutrons, 24:6936
NETHERCOTT, R. B. Flux pinning by oxide-film distributions in a type-II superconductor, 23:25250
NETHERY, C. M. Outer layers of model moving atmospheres, 25:13792
NETIKOVA, J. Vasoactive ions in protection against x-rays, 25:24222
NETISHENSKAYA, G. P. Effect of electron irradiation and of local electric field on the formation of polymeric films, 22:51030
NETO, E. Mansur Effects of gamma radiation on Trypanosoma cruzi, 23:50377
NETO, N. Simplified valence force field of aromatic hydrocarbons. I, 21:5858
NETRAWALI, M. S. Chemical radioprotection in the absence of the nucleus in Acetabularia mediterranea, 24:48746
  Radiolysis and radioprotective effect of glutathione, 23:38602
NETSCHERT, Bruce C. Energy outlook for United States, 23:33014
NETSVETAILOV, E. M. Characteristics of multi-electrode probe for measuring rarefied plasma, 24:1376
NETT, H. Diaphragm shock tube for plasma experiments, 21:17909 (IPP-3/43)
  Diaphragm shock tube for plasma experiments, 24:5182 (IPP-3/99)
NETTER, A. Long-range risks in treatment of hyperthyroidism by radioactive iodine, 22:47575
  Radio-immunological determination of somatotrophic hormone in benign and malignant mastopathies, 24:27498
NETTER, F. Design and construction of Saclay Linear Accelerator, 24:24470
  First operation of the high duty cycle Saclay electron linac (A.L.S.), 23:28004
  Resonance neutron capture with lithium-drifted germanium detectors, 22:14834
  Saclay electron linear accelerator, 23:17014 (CEA-CONF-1229)
  Saclay electron linear accelerator, 23:44801
NETTER, Francis Saclay electron linear accelerator of high intensity and high effective cycle, 24:28652
NETTESHEIM, P. Conference on morphology of experimental respiratory carcinogenesis, Gatlinburg, Tennessee, 5/1970, 25:32526 (CONF-700501)
  Effect of serum alpha macroglobulin on regeneration of hemopoietic tissue after x-irradiation, 22:45625
  Effects of chronic exposure to artifical smog and chromium oxide dust on the incidence of lung tumors in mice, 24:27675 (CONF-691001-, pp 305-20)
  Lack of recruitment of antibody forming cells during the late haemagglutinin response, 23:5027
  Radioresistance of the engulfing and degradative capacities of peritoneal phagocytes to kiloroentgen x-ray doses, 21:22297
  Recovery of the antigen retention mechanism after sublethal x-irradiation in mice receiving cells from various sources, 25:55147
  Regenerative potential of immunocompetent cells. I, 22:10682
  Regenerative potential of immunocompetent cells. II, 22:30995
  Regenerative potential of immunocompetent cells. III, 24:642
  Serum alpha globulin fraction: survival-and-recovery effect in irradiated mice, 21:41438
  Suppression of immunologic responses, 21:6461
NETTLES, E. D. Cesium-137 and ^{90}Sr in Florida milk, 24:696
NETTLES, P. H. Isobaric-spin mixing in ^{8}Be states, 21:31724
  Measurement of the mass of ^{9}Li, 25:28175
  T = 2 states in ^{16}N, 22:20459
NETTLES, Patrick Henly Jr. T = 2 states in ^{12}B, ^{12}C, ^{20}F, and ^{24}Al, 25:48024
NETTLESHIP, R. Proportional counter spectrometer for the study of the solar soft x-ray spectrum, 21:41232
NETTLETON, William Powered air-purifying respirator, 21:32076 (UCRL-50263)
NETTLETON, Wilson J. Jr. Computers: what they are and what they do, 23:17829
NETTLEY, P. T. Irradiation behavior of graphite, 23:8362
  Irradiation damage in carbons and graphites appropriate to MK II Gas Cooled Reactors and to MK III Gas Cooled Reactors, 25:52469 (A/CONF.49/P-503)
  Irradiation experience with isotropic graphite, 23:36295
  Problems in the selection and utilization of materials in sodium cooled fast reactors, 22:18505
NETUPSKII, I. V. New corrosion resistant materials for hydrochloric acid solutions, 24:39608
NETUSIL, W. F. Small amplitude vibration calibration using Moessbauer effect, 22:38134
NETYKSA, E. M. DNA repair and induction of mutants with altered DNA base composition, 23:6422
  Induction of Bacterium paracoli mutants with modified DNA by uv, 24:6028
  Induction of mutants with altered DNA composition: effect of ultraviolet on Bacterium paracoli 5099, 21:45549
NETZ, Volkhard Arrangement for the measurement of moisture by means of neutrons, 21:30735
  Ionization chamber for measuring humidity, 21:12682
NETZBAND, D. Correlation measurements for reaction ^{24}Mg(d,pγ)^{25}Mg(3.40 MeV), 23:21299 (ZFK-130, pp 126-30)
  DWBA model applied to the ^{24}Mg(d,p)^{25}Mg reaction at E/sub d/ = 13.5 MeV, 25:12457
  Generalized DWBA model applied to ^{24}Mg(dp)^{25}Mg reaction at E/sub d/ = 13.5 MeV, 25:9997 (JINR-E4-5350)
  Reactions (d,d) and (d,p) on ^{24}Mg, 23:21298 (ZFK-130, pp 121-5)
  Reactions ^{10}B(d,p$_0$)^{11}B and ^{10}B(d,t$_0$)^{9}B at E/sub d/ = 13.5 MeV, 21:44570 (ZFK-122, pp 222-6)
NETZER, Theodor Karl Simulator for simulating the action of the pressure of a shock wave of a nuclear explosion, 25:46578
NEU, Helmut Nuclear power plant for a space station, 25:20808
NEU, C. A. Evaluation of an eddy-current tester for detecting seams in rolled uranium rods, 24:39167 (NLCO-1059)
NEU, F. D. On-line wire spark chamber system used as a mass spectrometer, 23:7795
NEU, Franklin D. Optical scanning background density normalizer, 22:10605
  Particle-beam profiling system, 21:17237
NEU, H. Radioisotope powered thermoelectric and thermionic generators, 21:26108
NEU, Helmut Nuclear power plant for a space station, 25:20807
  Nuclear reactor with heat pipes, 25:20809
NEU, R. E. TERMTRAN: programming system for engineering calculations via remote terminals, 22:20987 (K-1735)
  TERMTRAN: programming system for engineering calculations via remote terminals, 24:24945 (K-1735(Add.))
NEUBACHER, H. Electron spin resonance of free radicals in irradiated carbohydrates, 25:10645
  Electron spin resonance studies of radiation-induced radicals, 25:2286
NEUBAUER, Fritz Manfred Jump relations for shocks in an anisotropic magnetized plasma, 24:42699
  Magnetic field measurements aboard the Helios solar probe, 25:24799
NEUBAUER, G. Isotope placentography, 23:8044
NEUBAUER, Gyoergy Isotopic placentography, 22:33861
NEUBAUER, H. Effect of chemical radiation-protective agents on rabbit eyes exposed to fast neutrons, 24:27610
  Effects of radioprotective substances on front eye section after action of fast neutrons, 22:12875
  Neutron microdosimetry for rabbit eye, 25:4521
  Radiation protection for rabbit eyes, 23:38601
  Radiation protection of rabbit eyes, 24:27609
  RBE of 15-MeV neutrons on cataracts, 23:33853
  Superconductive transitions of different type II compounds, 23:42132
NEUBAUER, H. J. Doping of an Ar matrix with K by irradiation at 4.6°K, 24:26309
NEUBER, J. Determination of uranium in minerals by x-ray fluorescence spectroscopy, 24:29179 (NP-18228)
NEUBERGER, A. Determination of glucosamine and galactosamine in some glycoproteins by radioisotope dilution, 23:41
NEUBERT, A. Separations of low abundant rare earth isotopes, 25:44516 (BMBW-FBK-70-28, pp 203-8)
NEUBERT, D. Double shell structure of the periodic system of the elements, 24:27095
NEUBERT, Theodore J. Cryostat for color center studies, 21:21092
  F-aggregate centers in Na chloride. I, 25:59152
NEUBERT, W. Cerium-135m and /sup 137m/Nd: isomeric states in N = 77 isotones, 25:15042
  Cesium isomers produced in (H.I.,xn) reactions, 24:49821
  Isomeric states in ^{187}Au and ^{189}Au, 21:23511
  Isomerism in ^{129}La, 23:47008
  K-forbidden isomeric transition in ^{130}Ba, 23:44935
  Levels of ^{202}Po, ^{203}Po, ^{204}Po, ^{205}Po, ^{206}Po, 24:28772 (JINR-P6-4868)
  Nanosecond lifetime measurements of excited nuclear states at heavy ion cyclotron, U-300, 25:42187 (JINR-P13-5801)
  Nanosecond lifetime measurements of excited nuclear states at heavy ion cyclotron U-300. II, 25:53411 (JINR-P13-5803)
  Nanosecond pulsed beam experiments at the heavy ion cyclotron, 25:45837 (JINR-E13-5796)
  Properties of neutron-deficient Cs nuclei. II, 24:5416 (JINR-P6-4591)
  Thermal neutron activation cross sections for the isomeric states in odd indium isotopes and the j-selection rule, 22:26935
  Three-quasiparticle excitations in ^{205}At, 25:38985 (JINR-E6-5802)
  Three-quasiparticle isomer in ^{143}Sm, 23:23673 (JINR-P6-4276)
  Three-quasiparticle isomeric state in ^{143}Sm, 23:34795
  Two-quasiparticle (h/sub 9/2/)^2 isomeric state in ^{202}Po, 25:10027 (JINR-E6-5379)
  Validity of Alexander and Simonoff semiempirical rules in region 100 less than or equal to A less than or equal to 150, 25:20480 (JINR-E7-5499)
  Validity of Alexander and Simonoff's semiempirical rule in the region 100 less than or equal to A less than or equal to 150, 25:39029
NEUBERT W. Properties of Cs neutron-deficient nuclei. IV, 24:22143 (JINR-P6-4871)
  Properties of neutron deficient Cs nuclei. I, 23:49391 (JINR-P6-4539)
NEUBURGER, M. Application of radioactivation analysis to radioecological studies, 23:24111 (AEC-tr-7041)
  Applications of neutron activation analysis in plant biology and agronomy, 21:4475
  Determination of molybdenum and tungsten in plants by neutron activation, 22:47082
  Radioactivation analysis in radioecological studies, 22:19301
  Radioecological applications using simple or automated radiochemical separation techniques, 23:21664 (CEA-CONF-1254)
  Study of inorganic components of plants by radioactivation analysis, 23:9327
  Study of ruthenium partition in an ecological pond using neutron activation analysis, 23:43282
  Use of radioactivation analysis for copper determination in vine-growing and in vine-products, 21:4460
NEUDACHIN, V. G. Development of the mechanism determined by pole and four-point diagrams in direct (t,p) and (^{3}He,p) reactions on 1p-shell nuclei, 21:10121
  Differential cross sections for quadrangular graphs in some direct nuclear reactions, 24:38380
  Form factors at high energies for ^{9}Be nucleus and separation of π-meson absorption by nucleon pairs in P state of relative motion, 25:53618
  General regularities in the reactions of substitution of nucleon clusters in nuclei of p-shell, 21:40497
  Inelastic scattering of electrons on ^{9}Be and a comparison of different nuclear models, 21:2626
  Nucleon clusters in nuclei ^{6}Li, ^{7}Li, and ^{9}Be from data on various reactions at high energies, 22:14116
  Quadrangle graph and inelastic scattering of low-energy (5 to 10 MeV) protons and deuterons of some p-shell nuclei, 23:19373
  Quasi-elastic ejection of electron by fast electron (e,2e), 22:50036
  Shell interpretation of the separable interactions between lightest nuclei, 25:43786
NEUDATCHIN, V. G. Configurational splitting of giant dipole resonance for non-magic nuclei of 1d-2s shell as demonstrated by ^{32}S, 21:7730
  DWBA-calculation of amplitudes of rectangle diagrams in direct nuclear reactions, 24:22093
  Elastic and inelastic scattering of high-energy electrons in the cluster model, 23:19192
  Electroexcitation of ^{32}S in region of dipole resonance, 25:28220 (UJV-2553-F)
  Electroexcitation of ^{32}S in region of dipole resonance, 25:45983
  Evidence for nucleon clusters in the lightest nuclei, 23:30952

Form factors for various degrees of freedom in ^{6}Li nucleus, 25:22984
Fractional parentage and (α—d)—(^{3}He—t) duality in ^{6}Li nucleus, 24:43479
Manifestations of nucleon clustering in light nuclei, 24:45804
Microscopically substantiated local optical potential for α—α-scattering, 25:53521
Mutual scattering of clusters, 25:20511
Nuclear clusters in light nuclei, 24:49754
Nucleon clusters in p-shell nuclei, 23:25964
Rectangle diagrams in (p,p'), (d,d'), (t,p)—(^{3}He,p) reactions on some nuclei of p-shell, 22:50683
Structure of giant dipole resonance in ^{32}S, 24:28762
NEUENDORF, W. P. Radiation quantities from a moving source of radiation, 25:5243
NEUENHAHN, P. Analytical model for investigation of the dynamic behavior of pressurized-water reactors with self-maintained pressure, 25:1956 (MRR-60)
Dynamic behavior of a pressurized water reactor with self-pressurization, 24:52859
Hybrid solution of partial differential equations, 24:38533
Investigation of various control concepts for pressurized water reactors with self-pressurization, 24:52864
NEUENHALN, P. Simulation and control of sodium-cooled thermal reactors, 22:35481
NEUENSCHWANDER, E. Preparation and characterization of ultrafine carbides, nitrides, and metals, 22:38604 (SC-T-68-1535)
NEUERNBERG, H. W. Co-ordination compounds of actinides. I, 21:45110
NEUERT, H. Charge-transfer reactions of some negative ions with O_2, 24:15159
Cross sections on some (n,p), (n,t), and (n,α) reactions in the neutron energy region 13 to 19 MeV, 21:7764
Energy dependence of ion—molecule reactions with negative ions, 21:13367
Fluorescence fading of some inorganic scintillators at the excitation by α-particles, protons or γ-rays (electrons), 21:12646 (ANL-Trans-417)
Flux measurements of medium energy neutrons using stilbene and ^{6}Li glasses, 21:324
High-speed methods in nuclear physics, 22:36045
Measurement of the angular distributions of the reaction ^{14}N(d,α)^{12}C, 21:1041
Reaction-^{2}H(^{6}Li,^{4}He)^{4}He with polarized Li nuclei, 24:33108
Simple ion source for the production of negative ions, 21:9875 (ORNL-tr-1423)
Source for polarized lithium nuclei, 21:13368
NEUERT, Hugo Nuclear physics measuring methods for the detection of particles and quanta, 21:1618
NEUFANG, R. Influence of whole-body x irradiation on the rat, 25:24047
NEUFELD, C. R. Enhanced scattering of laser light from a laboratory plasma, 24:12807
Widths and shifts of Ar-II lines in a pulsed arc, 22:36901
NEUFELD, Carl Richard Experimental study of Ar II line profiles in a pulsed arc plasma, 22:29474
NEUFELD, J. Comments on quality factor, 23:45749
Dose from high-energy radiations at an interface between two media, 22:8524 (CONF-670305-, pp 306-17)
Radiation dose from high-energy nucleons in targets containing soft tissue and bone, 23:839
Wave propagation and group velocity in absorbing media, 23:25395
NEUFELD, Jacob Calculation of radiation dose due to high-energy protons, 21:6492 (ORNL-P-2568)
Calculation of radiation dose due to protons and neutrons with energies from 0.4 to 2 GeV, 23:6484
Calculations of depth dose from neutrons and protons of high energy and their interpretation for radiation protection, 22:31901
Dosimetric field quantities in health physics, 25:46847
Effects of phantom geometry on dose distribution, 23:14197
Neutron, proton depth-dose curves, 23:24668
Radiation dose from neutrons and protons in energy range from 400 MeV to 2 GeV, 23:45742
Radiation quantities and their significance in health physics. I and II, 24:48563
Revised formulation of macroscopic Maxwell theory. I, 24:3355 (ORNL-4406(Pt.1))
Revised formulation of the kinetic plasma theory, 24:12830
Revised formulation of the kinetic plasma theory, 24:17923 (ORNL-4474)
Revised formulation of the macroscopic Maxwell theory, 24:3356 (ORNL-4406(Pt.2))
Theoretical radiation physics, 24:39809 (ORNL-4446, pp 163-76)
Theoretical radiation physics, 25:19757 (ORNL-4584, pp 58-73)
What is energy imparted, 25:45523
NEUFELD, Lorin Wesley Analysis of the arc and spark spectrum of scandium, 25:58701
NEUFELD, Orville G. Labeling of marrow cells of vitamin E-deficient monkeys, 23:22241
NEUFELDT, S. J. Anhydrous sodium polyuranates, 21:3025
NEUFERT, A. W. Elastic scattering of polarized protons on tritons between 4 and 12 MeV, 25:53550
NEUFFER, D. Nickel-62 levels and the decay of ^{62}Cu, 24:40589
NEUGART, R. Polarization of atomic line radiation. II, 21:9315
Spin-exchange polarization and hfs anomaly measurement of ^{37}K, 25:38929
NEUGBAUER, G. Infrared observations of possible protostars, 22:36566 (N-68-16304)
NEUGEBAUER, C. A. Structure and properties of thin films, 21:1553
NEUGEBAUER, G. 1.65 to 19.5-micron observations of the galactic center, 23:39252
Absolute spectral energy distribution of quasi-stellar objects, 24:12542
Algebraic special Einstein spaces with one group of motion, 22:35120
Axial-symmetric stationary solutions of Einstein field equations for the vacuum, 23:3825
Exact stationary solution of the Einstein—Maxwell equations, 24:43035
Faint end of the main sequence, 24:42316
Infrared and optical measurements of the Crab Pulsar NP 0532, 23:34191
Infrared coronal lines. II, 21:46066
Infrared observations of eta carinae, 22:29036
Infrared observations of eta Carinae to 20 microns, 23:22720
Infrared observations of Nova Serpentis 1970, 24:35024
Infrared observations of the galactic center, 22:13154
Infrared observations of the Nebula K3-50, 24:39760
Infrared observations on the size of NGC 1068, 25:33019
Infrared sky, 22:43754
Infrared spectra of low-temperature stars, 21:16769
Interstellar absorption and color excesses in Sco OB-1, 25:32879
Method for construction of stationary Einstein—Maxwell fields, 24:43036
Observations of an infrared star in the Orion Nebula, 21:16778
Observations of R Doradus and W Hydrae, 25:40191
Observations of the infrared object, VY Canis Majoris, 24:4884
Spectrophotometry and infrared photometry of BL Lacertae, 23:22719
UBVRIHKL photometry of the central region of M31, 23:39276
Unusual infrared object IRC+10216, 24:8259
Variable compact galaxy Zw 0039.5 + 4003, 24:17602
Variable radio-quiet compact galaxy I Zw 1727 + 50, 22:11123
Visual and infrared observations of Sco XR-1, 23:14489
NEUGEBAUER, Gerry Infrared sources of radiation, 25:47198
Nature of candidate star for pulsating radio source CP 1919, 23:14508
NEUGEBAUER, J. Tungsten—rhenium [alloy] thermocouple applicable up to 2600°C, 22:40295
NEUGEBAUER, M. Correlated observations of electrons and magnetic fields at the Earth's bow shock, 25:43238
Nonthermal electrons and half waves in upstream solar wind. I, 25:47391
Quasi-trapped electromagnetic waves in solar wind, 24:39935
NEUGEBAUER, Marcia Alfven waves in the solar wind, 22:19891
Average properties of solar wind as determined by Mariner II, 21:15026 (N-67-10253)
Detection of the plasma component of magnetohydrodynamic waves in space, 21:13522 (N-66-26123)
Initial deceleration of solar wind positive ions in the Earth's bow shock, 24:17754
Mariner 2 observations of the solar wind. II, 21:23104
Ogo 5 observations of polar cusp on Nov. 1, 1968, 25:56024
NEUGEBAUER, Th. Level density of nuclei, 22:5876
NEUGEBAUER, W. Equilibrium solutions for partially immersed relativistic electron beams, 22:36742
NEUGEBAUER, Wendell Space-charge wavelengths in electron beams, 22:11762
NEUHAEUSER, Angelika Actidione-resistant mutants in Neurospora crassa, 24:46603
NEUHAEUSER, G. Chromosome aberrations caused by ionizing rays, 25:21910
NEUHAEUSER, H. Active crystal length in flow regions of neutron-irradiated copper single crystals. I, 22:17778
Active crystal length in yield region of neutron-irradiated copper single crystals. II, 23:10703 (WAPD-Trans-100)
NEUHAEUSER, J. Specimen holder for low temperature electron irradiation of metallic resistivity specimens, 24:13240
NEUHAUS, G. M. Discharge of radioactive waste waters to public waters, 22:23250
NEUHAUS, Hinrek Hyperfine structure of BiH and BiD bands, 21:25179
NEUHAUS, Otto W. In vitro uptake of model amino acids by rat liver following whole-body γ-irradiation, 25:55126
Prog. rpt. on effect of whole body x and γ-irradiation on biosynthesis of certain serum proteins, annual, 12/1/68—11/31/69, 24:9752 (COO-1754-2)
Stimulated uptake of α-aminoisobutyric acid in rat liver following whole-body γ-irradiation, 25:19024
NEUHAUSEN, R. Investigation of 5.36-MeV level in ^{6}Li by electron scattering, 24:43126
Low-lying states in ^{6}Li, 25:25646
NEUHAUSEN, Reiner Investigation of first two excited levels of ^{6}Li, 23:17078
NEUHAUSER, H. Active crystal length in plastic range of neutron-irradiated Cu single crystals. I, 23:3559 (WAPD-Trans-0093)
NEUHAUSER, J. Experimental proof of minor instabilities in the theta-pinch ISAR I, 24:51694 (IPP-1/105)
Experiments with linear l = 1 high-β stellarator on ISAR I, 25:33203 (CTO-742)
High beta (l = 1)-stellarator experiments, 25:38479 (CONF-710607-115)
Investigation of the m = 1 instability of a bumpy theta pinch, 25:49911 (IPP-1/115)
Investigations of (n,γ) recoil damage in V by nuclear-resonance fluorescence methods, 21:41631
Linear experiment with l = 1 on the high-β-stellerator on ISAR I, 25:22469 (IPP-1/111)
Mirror instabilities in Isar I theta pinch, 25:36182
Velocity distribution of anisotropic deuterium plasmas from time resolved neutron spectra, 25:7365 (IPP-1/109)
Velocity distribution of anisotropic deuterium plasmas from time-resolved neutron spectra, 25:33218 (ORNL-tr-2429)
Velocity distribution of anisotropic deuterium plasmas from time-resolved neutron spectra, 25:47504
NEUHOLD, Dieter Moessbauer-spectrometer MS 10, 21:34490
NEUHOLD, John M. Interacting effects of γ radiation and sodium halide concentrations on rainbow trout, 21:43498 (COO-1421-4)
Lowland stream ecosystem of Amchitka Island, Alaska, 25:49145
Prog. rpt. on Amchitka bioenvironmental program, 7/68—6/69, 24:39454 (BMI-171-127)
Prog. rpt. on Amchitka bioenvironmental program, annual, 7/69—6/70, 25:28841 (BMI-171-133)
Prog. rpt. on freshwater vertebrate and invertebrate ecology of Amchitka Island, annual, 8/30/67—6/30/68, 25:12871 (BMI-171-104)
Prog. rpt. on gamma irradiation effects on toxic responses of fish, 6/67, 22:33898 (COO-1421-3)
NEUHOLD, R. J. Fast breeder reactor static physics methods development and analysis project, 24:13590 (BAW-3867-9(Vol.4))
Improvements in fast reactor space-energy synthesis, 24:11290
Multiple reaction rate weighting in fast reactor space-energy synthesis, 25:5966
Multiple weighting functions in fast reactor space-energy synthesis, 25:12854
Reaction rates as weighting functions in fast reactor space-energy synthesis, 23:37726
NEUHOLD, Robert Jack Fast reactor space—energy synthesis, 24:33491
NEUILLY, M. Statistical treatment of analytical results, 24:2125
Utilization of halogenated carriers for uranium spectrographic analysis, 24:36149
NEUILLY, Michele Production of uranium standard samples for spectrographic analysis, 24:4196 (CEA-R-3911)
NEUIMIN, A. D. Properties of ZrO_2—Y_2O_3 systems containing other oxides, 24:51224
ZrO_2 stabilization by Y_2O_3, 24:51196
NEULS, A. S. Coolant blowdown studies of a reactor simulator vessel containing a perforated sieve plate separator, 25:26001 (BNWL-1463)
Coolant blowdown studies of a reactor simulator vessel containing a simulated reactor core, 25:44133 (BNWL-1524)
Experimental high enthalpy water blowdown from a simple vessel through a bottom outlet, 24:44185 (BNWL-1411)
High-enthalpy-water blowdown tests from a simple vessel through a side outlet, 25:23306 (BNWL-1470)
Measured and predicted liquid levels during blowdown of a pressure vessel, 24:7159
NEUMAIER, Ferdinand Point dilution methods of investigating ground water flow by means of radioisotopes, 22:23140
NEUMAIER, Karl Study of point and cluster defects in LiF by phonon scattering, 25:17272 (CEA-R-4010)
NEUMAN, M. Turbulence as a motion of a Wiener space, 23:21613 (UCRL-50557)
Two-dimensional statistical hydrodynamics, 21:1235 (UCRL-50105)
NEUMAN, Richard R. SM-1A core IV design analysis, 25:46324 (AD-717561)
NEUMAN, Robert C. Jr. Effect of hydrogen bonding on the barrier to rotation about amide bonds, 24:195
NEUMAN, William F. Brief description of research papers accepted for publication during 1970, 25:41682 (UR-49-1453)
Prog. rpt. on research papers accepted for publication, annual, 1969, 24:33623 (UR-49-1291)
Prog. rpt., annual, 1966, 21:26562 (UR-49-748)
Prog. rpt., annual, 1967, 23:777 (UR-49-935)
Prog. rpt., annual, 1968, 23:50236 (UR-49-1070)
Radiation in space, 22:6829
NEUMAN, Z. Basocellular carcinoma of face and scalp following radiation lesions, 23:5042
NEUMANN, B. H. Conference on theory of groups, Canberra, 8/65, 22:20106
NEUMANN, D. Mechanism for production of fourth positive band system of CO by electron impact on CO_2, 25:40335
NEUMANN, E. Investigation of uptake of trace metals in normal and leukemic cells, 23:48088 (SGAE-BL-32/1969)
NEUMANN, G. Epidemiology of leukemia, 23:33902
NEUMANN, G. M. Diffusion and transport processes in and on tungsten, 24:4793
Relation between vacancy formation and migration energies as well as the activation energy of diffusion and Debye temperature of metals, 22:17119
Self-diffusion and diffusion mechanisms in tungsten, 21:3503
Surface diffusion of tungsten, 21:3504
Surface structure of tungsten wires heated by direct current in a vacuum, 21:13203
Thermodynamics of heterogeneous gas equilibrium. III, 25:49547
NEUMANN, H. Adsorption of silicon on tungsten single-crystal surfaces in the field electron microscope, 21:25187
Effect of native, denatured, renatured, and degraded DNA on survival of lethally irradiated rats, 23:12134 (AEC-tr-6646/4A, pp 103-6)
Granular materials: range of applications and problems, 23:36173 (EUR-4190, pp 25-52)
Kinetics of death after whole-body irradiation with x rays or gamma rays, 23:12135 (AEC-tr-6646/4A, pp 107-10)

Measurement of K x-ray emission in the decay of /sup 103m/Rh, 21:12036
Method for absolute determination of ^{238}U capture rates, 23:47033
New determination of Westcott's s/sub O/ factor for the reaction ^{109}Ag(n,γ)/sup 110m/Ag, 21:42640
Proton-nucleus total cross sections at 19.3 GeV/c and high-energy currents, 21:42386
NEUMANN, H. A. Measurement of absolute activities using the $4\pi\beta\gamma$ coincidence method in cases of complex decay, 21:15571
NEUMANN, Hans Adsorption of silicon on tungsten, 21:11229
NEUMANN, Henryk X ray apparatus for intracellular microirradiations, 21:17757
NEUMANN, Holger Uniqueness of position observable in irreducible unitary representation up to factor of Galilei group, 25:59217
NEUMANN, Horst A. Precise measurement of absolute intensity of gamma radiation from low-energy transitions from (n,γ) reactions and radioactive decay with crystal spectrometer, 21:5539
NEUMANN, I. P. High-temperature stability of thoria-strengthened nickel—chromium alloys, 23:27175
NEUMANN, J. Experiences gained in Czechoslovakia with construction of nuclear power, 25:54034 (A/CONF.49/P-541)
NEUMANN, J. P. Annealing behavior of rolled tungsten single crystals, 23:48411
NEUMANN, J.-G. Short-distance irradiation of infantile hemangiomas with small doses, 21:45677
NEUMANN, Johann v. Mathematical principles of quantum mechanics, 23:1199
NEUMANN, K. J. Method for adjusting the Anger camera, 23:33457
NEUMANN, Kl.-K. Thermodynamic calculations for high-temperature air—carbon dioxide mixtures involving black-body radiation, 22:44183
NEUMANN, L. Mechanisms and kinetics of dissolution of U(IV) oxide in sulfuric acid solution in presence of Fe(III) ions, 22:37757
NEUMANN, Leo Investigation of kinetics and mechanism of dissolving uranium oxides in sulphuric acid solutions, 22:10209
NEUMANN, M. Design and performance of 1.5 m^{2} wire spark chambers, 22:40464
High sensitivity wire spark chamber readout useful in strong magnetic fields, 22:40466
Irradiation of water-cooled fuel rods in boiling water loops, 22:42372
Natural circulation loops for gas-cooled fuel elements, 22:42373
Wire spark chamber design and performance using FET, capacitor readout, 25:13264 (CERN-70-21(Vol.2), pp 539-48)
Wire spark chamber readout using capacitors and field effect transistors, 22:28167
NEUMANN, M. J. Modification of the Charpak chamber with foil supported conductors, 24:39280
Performance of foil supported electrode system and plans for improvement, 25:57750
NEUMANN, Manfred γ—γ directional correlation in ^{124}Sb, 21:15572
Volumetric determination of Mo, W, and Pb, 23:47377
NEUMANN, P. D. Chemicals recovery from large desalination plant brine effluent, 21:43021 (ORNL-TM-1885)
Fixation of high-level radioactive wastes in glassy solids. IV, 21:39164 (ORNL-3816)
NEUMANN, R. Detector system for ns time-of-flight experiment, 24:11833
NEUMANN, Richard M. High-precision radiofrequency spectrum of ^{14}N^{16}O, 24:42392
NEUMANN, W. 4π-precision vacuum scattering, 24:28666
Determination of flowing gas parameters, 24:6518
Diagnostics of an argon plasma by application of continuous radiation, 22:22139
Electric and thermal conductivity and beam density for oxygen plasma, 23:6992
Evaluation of an argon plasma, 23:10625
Glory effect for atomic collisions in hyperthermal region, 24:26017
Indirect determination of the radiation component in the energy balance of wall-stabilized Hg and Xe high-pressure arcs, 23:23103
Potentials of NaCs from total scattering cross-section measurements, 22:17417
Quantum effects in high-energy atomic collisions, 22:19771
NEUMANN, Werner Heat flux measurements in a long arc-plasma beam, 21:2270
Plasma composition of Na-containing Ar arc limited by rotating water hollow cylinder, 21:46324
NEUMARK, Gertrude F. Scintillation detector using a single crystal of gallium arsenide, 23:9728
NEUMAYER, E. C. Reducing effects of grounds on critical reactor control circuits, 25:51248
NEUMCKE, B. Production of circular polarized γ-rays by coherent bremsstrahlung or longitudinal polarized electrons, 21:2352
NEUMCKE, Berthold Polarization of coherent bremsstrahlung by extremely relativistically polarized electrons, 22:5040 (NP-17173)
NEUMEIER, L. A. Reaction of W—Co alloys with O, 21:36780 (BM-RI-6998)
NEUMEIER, Leander A. Tungsten—cobalt system, 21:32901 (BM-RI-6956)
NEUMEISTER, K. Diagnostic assessment of radiation-induced reactions of the intestine, 24:36842
Effect of whole-body irradiation on serum protein content, 25:52192
Effect of x irradiation on postnatal development of rats, 22:51892
Leukocyte volume following whole-body and partial-body irradiation, 25:52234
Treatment of intestinal radiation reactions in telecobalt and Ra irradiations, 21:30835
NEUMEISTER, Klaus Leukopenia frequency in x and telecobalt therapy, 21:45819
NEUPERT, W. M. Observation of the solar flare x-ray emission line spectrum of Fe from ,.3 to 20 A, 21:39768
Resonance and satellite lines of highly ionized iron in the solar spectrum near 1.9 a, 24:35105
Solar-flare x-ray spectra, 25:49658
X rays from the Sun, 23:44105
NEUPERT, Werner M. Comparison of solar x-ray line emission with microwave emission during flares, 22:41195
Satellite lines in the solar x-ray spectrum, 25:49677
Solar corona above active regions, 22:11182
Solar corona above active regions, 23:36414
NEURATH, P. W. Data management system for on-line image processing on a relatively small computer, 21:40734 (NYO-3748-4)
NEURATH, Peter W. Effect of high-gradient, high-strength magnetic fields on the early embryonic development of frogs, 25:6792
I-CAN, No. 1, 21:35832
Pre-processing of biological images for computer analysis, 22:1928 (NYO-3748-7)
Prog. rpt. on an automated human chromosome analysis system, 4/15/68, 23:9285 (NYO-3748-9)
Prog. rpt. on interactive computer chromosome analysis, 4/15/71, 25:34461 (NYO-3748-22)
NEUREUTHER, A. R. Smith—Purcell radiation from narrow tape helix, 22:11203
NEURINGER, Joseph L. Electromagnetic scattering from inhomogeneous, collisionless plasma cylinder, 22:29492
NEURINGER, L. J. Magnetoacoustic attenuation in high-field superconductors, 21:15069
Quantum limit galvanomagnetic phenomena in n—InSb, 21:27093
Superconductivity of memory-type chalcogenide, 25:1137
NEUSCHEL, Sherman K. Aeroradioactivity survey and areal geology of Minneapolis—Saint Paul area, 24:16701 (CEX-61.7.1)
Aeroradioactivity surveys and geologic mapping, 22:2240
Correlation of uranium, thorium, and potassium with aeroradioactivity in the Berea area, Virginia, 25:29235
NEUSHTADT, R. E. Influence of a magnetic field on viscous gas flow, 21:13425
NEUSS, H. Artificial strontium and barium clouds in the upper atmosphere, 22:17522
Preliminary results of electric field measurements in the auroral zone, 22:13332
NEUSSER, H. J. Experiments with two laser-produced interpenetrating plasmas, 24:12806
Temperature and expansion energy of laser-produced plasmas. II, 25:22535
NEUSTADTER, Harold E. Electron mobility in randomly located hard-core scatterers, 23:30545 (N-69-19601)
Relaxation-time approximation for the mobility of electrons in helium, 21:39829
NEUSTROEV, G. V. Development of Salmon salar L roe in water contaminated by ^{90}Sr + ^{90}Y, 21:4846
Effect of γ radiation and radiotoxins on synthesis of DNA in early embryogenesis of groundling Misgurnus fossilis, 22:23423
Influence of AET on loach embryos, Misgurnus fossilis, under action of γ-rays and radiotoxins, 23:861
NEUSTUPNY, E. Changes of the Earth's magnetic field and radiocarbon dating, 21:33280
NEUWIRT, J. Effect of 19-nortestosterone phenylpropionate on erythropoiesis in normal and irradiated rats, 22:36368
Hydrocortisone on erythropoiesis in normal and irradiated rats, 21:16290
Influence of 19-nortestosterone phenylpropionate (superanabolon) on erythropoiesis of normal and irradiated rats, 21:16289
Influence of hydrocortisone on erythropoiesis of irradiated rats, 22:10810
Influence of ionizing radiation on the metabolism of sulfur compounds, 22:51485
NEUWIRT, Jan Attempt to influence erythropoiesis of normal and irradiated rats, 24:840
NEUWIRTH, Wolfgang Energy loss of charged particles in matter. I, 23:14637
Experiment on the time-dependence of the decaying state, 21:4243
Recognition and analysis of hyperfine splittings of decaying Moessbauer states, 22:46273
Time-dependent absorption from two adjacent decays by means of the Moessbauer effect, 21:34052
NEUZIL, E. F. 41- and 35-MeV He ion-induced fission of ^{185}Re and ^{187}Re, 22:44706
65-MeV He ion-induced fission of ^{194}Pt, ^{195}Pt, and ^{196}Pt, 23:31030
65-MeV He ion-induced fission of ^{207}Pb, 22:44705
Comparison of ^{197}Au (rho, fission) to ^{194}Pt (α, fission) at an excitation of 40.5 MeV, 23:31031
Helium ion-induced fission of ^{204}Pb, 24:38256
NEUZIL, Edward F. Prog. rpt. on fission studies on elements below polonium, 7/67—7/68, 22:46770 (RLO-1759-14)
Prog. rpt. on fission studies on elements below Po, annual, 8/68—7/69, 23:44889 (RLO-1759-20)
Prog. rpt. on fission studies on elements below polonium, 7/69—6/70, 25:7849 (RLO-1759-23)
Prog. rpt. on fission studies on elements below Po, 7/70—6/71, 25:56750 (RLO-1759-25)
NEVANLINNA, L. Long-term planning for nuclear power in the Nordic countries, 25:53932 (A/CONF.49/P-300)
NEVANLINNA, Lasse Finland's power economy from 1970 through 2000, 25:20553
NEVE DE MEVERGNIENS, M. Energy of the isomeric transition in ^{235}U, 24:49872
NEVE DE MEVERGNIES, M. Chemical effect on half-life of /sup 235m/U, 23:44946
Effect of environment on half-life on /sup 235m/U, 22:27134
Fission cross section of ^{229}Th for thermal neutrons, 23:5929
Investigation of delayed neutron precursors of As, Sb, and Ge, 21:15590
Spin measurements of the 8.8-eV and 12.4-eV neutron resonances in ^{235}U, 22:18297
NEVEN, L. Analysis of high-resolution Fraunhofer line profiles, 21:46081
Damping constants for infrared Fraunhofer lines, 24:17572
Source functions in cores of infrared Fraunhofer lines, 22:17278
NEVERIL, Robert B. Prog. rpt. on flexible plastic air duct, final, 10/65, 21:3228 (AD-632964)
NEVERIL, Robert R. Prog. rpt. on package ventilation kit, final, 8/65, 21:8785 (AD-632963)
NEVEROV, A. N. Radiation stability of epoxy resins. I, 22:30602
NEVEROV, V. A. Development of methods and recorders for experimental determination of nuclear heating in high-flux research reactor holes, 25:39304 (LB/G-3017)
Development of the methods and recording apparatus for the experimental determination of the energy release in the channels of high-flux research reactors, 23:47270 (SRARI-P-19)
Experimental determination of nuclear heating values in SM-2 reactor holes, 25:39303 (LB/G-3016)
Investigation of radiation energy releases in experimental channels of the SM-2 reactor, 25:1939 (SRARI-P-69)
NEVEROVA, L. G. Influence of gamma-radiation on the development of the skeleton of extremities of mice embryos, 24:23375
NEVESSKII, E. N. Radiometric and spectrometric analyses of bottom sediments on board the ship, 24:22801
NEVEU, A. Divergences and renormalization in multiloop dual diagrams, 25:5409
Electromagnetic corrections to $K \rightarrow 3\pi$ rates, 22:48259
Electromagnetic corrections to $K \rightarrow 3\pi$ rates, 22:52965 (LPTHE-TH-68/17)
Factorizable dual model of pions, 25:45745
Final-state interaction and current algebra in K/sub 3π/ and eta/sub 3π/ decays, 24:24333
Fit to S-wave $\pi\pi$ phase-shifts using current algebra, 23:18891
Parameter-free regularization of one-loop unitary dual diagram, 24:37951
Primitive graphs of dual-resonance models, 24:28590
Reformulation of the dual pion model, 25:47850
Renormalization and unitarity in the dual-resonance model, 24:45496
Renormalized self-energy operator in the dual-resonance model, 24:35647
Sign of Regge-pole residues in Veneziano model, 25:3453
Tachyon-free dual model with a positive-intercept trajectory, 25:25538
NEVEU, M. Partial wave analysis of the reaction $\pi N \rightarrow N\pi\pi$ below 1 GeV. II, 24 1517
Partial wave analysis of the reaction $\pi N \rightarrow N\pi\pi$ below 1 GeV. I, 24:1597
NEVEZHIN, O. A. Volt—ampere characteristics of thermoemission converters, 22:13308
Volt—ampere characteristics of thermionic converters, 23:32212
NEVILL, Ann D. Bibliography on effects of human exposure to ionizing radiation, 22:17035 (NP-17232)
NEVILLE, A. C. Structure of radio sources 3C 46, 66, 129, and 465, 21:1999
NEVILLE, Ann C. Structure of radio sources in 3C catalogue. I, 22:23936
NEVILLE, Donald E. Extension of the Veneziano representation, 23:16963
Isospin crossing matrices, 21:42470
Superconvergence relations and the quark model, 22:20216
Symmetries in first-approximation S-matrix theory. I, 22:5557
Symmetries in first-approximation S-matrix theory. II, 22:5631
NEVILLE, R. A. Quantum field theory off null planes, 25:22888
NEVINITSA, A. I. Methods of calculating fast reactors, 23:52454 (JPRS-48331, pp 82-105)
NEVINNYI, Yu. A. Charged-particle passage through three-electrode deflecting telescopic systems, 24:15740
NEVITT, M. V. Magnetic susceptibility of the monocarbides of uranium and plutonium, 21:32873
Materials for nuclear technology, 25:22167
NEVITT, Michael V. Alloy chemistry of rare-earth and actinide elements, 25:52319 (CONF-710712-3)
NEVODNICHANSKII, G. Excited states of ^{129}I following decay of /sup 129m/Te, 23:4012
NEVOLIN, V. K. Arc regime in a low-pressure cesium thermionic converter, 25:47366
Effect of argon on thermionic converter operation at low cesium pressures, 25:35930
Influence of magnetic field voltage—current characteristics of thermionic converter, 25:49781
NEVOLIN, V. N. Measurement of isotopic abundances by time-of-flight mass spectrometer, 25:35070
NEVOROTIN, A. I. Influence of radiation on process of secretion of ACTH from anterior pituitary into the blood, 23:29363
NEVOSTRUEV, V. A. Catalysis on ammonium nitrate radiolysis by semiconducting oxides, 21:28038
Effect of previous irradiation on the thermal decomposition of ammonium perchlorate, 24:13907
Influence of metal oxides on radiolysis of potassium and sodium nitrates, 22:33398
Radiation stability of solid inorganic salts, 22:16589
Radiolysis of ammonium perchlorate, 22:25385

  - Radiolysis of solid inorganic salts with oxygen-containing anions, 22:51041
  - Semiconductor catalysis of solid inorganic compound radiolysis, 22:30632
- NEVROTIN, V. K. Radiation resistance of absorber materials for nuclear reactors, 25:54286 (A/CONF.49/P-704)
- NEVSKAYA, A. I. Disturbances in hepatic and renal function of dogs in late stages of chronic poisoning with ^{90}Sr, 23:22378 (AEC-tr-6944, pp 384-99)
- NEVSKAYA, G. F. Acute intestinal radiation death, 22:23666
  - Effectiveness of partial-body protection, 24:878
  - Effectiveness of shielding different body parts during repeated proton irradiation, 25:16196 (JPRS-52121, pp 25-9)
  - Experimental investigation of the effectiveness of local protection, 21:16347 (JPRS-38272, pp 306-7)
  - Peculiarities of clinical manifestations of radiation sickness in rhesus monkeys during γ irradiation, 22:23669
  - Radiobiological data concerning local shielding of astronauts, 22:45552
  - Radiobiological data in relation to local astronaut shielding, 23:12195 (JPRS-45483, pp 99-104)
  - Radiobiological effects of partial protection, 25:39922
  - Radiobiological effects of partial protection, 25:52097
  - Relative biological effectiveness of radiations, 24:27655 (AD-699247)
  - State of the cardiovascular system of animals in very severe radiation sickness, 22:23660
- NEVSKAYA, L. V. Activated sintering of rhenium with palladium additives, 24:976
- NEVSKII, B. V. Processing of cla—pyrite ores containing uranium_, phosphorus_, and rare earths, 25:23688
  - Survey of development on technology of processing uranium ore in U.S.S.R, 25:18491 (AEC-tr-7190)
  - Underground leaching of uranium ores, 25:51558 (A/CONF.49/P-459)
  - Underground leaching: a method for the economic extraction of uranium from low-grade ores, 25:23685
- NEVSKII, V. P. Starting methods and experience in operation of uranium—graphite channel type reactors with tubular fuel elements and nuclear superheating of steam, 25:34227 (JPRS-53069, pp 83-95)
- NEVSTRUEVA, E. I. Two-phase pulsation flows with surface boiling, 21:43172
- NEVSTRUEVA, M. A. Cesium-137 from global fallout in foodstuffs and human organism, 25:13340 (NP-18382)
  - Cesium-137 from global fallout in foodstuffs and the human organism, 25:39851 (AEC-tr-7232, pp 1-26)
  - Cesium-137 in lichen-reindeer man in the extreme north of the USSR, 1962—68, 25:11037 (NP-18381)
  - Cesium-137 in the lichen-reindeer-man chain in USSR, 25:39852 (AEC-tr-7232, pp 27-44)
  - Effect of ^{90}Sr on certain indices of natural immunity, 24:27552
  - Effect of immunization on kinetics of ^{90}Sr elimination, 22:6745
  - Materials for studying the role of autoantibodies during radiation damages induced by the action of internal irradiation, 24:9759
  - Radiation of Soviet-made television, 24:25489
  - Results of investigations of nuclear fall-out over the territory of USSR, 23:49954
  - Study of reactive protein in ^{90}Sr administration, 21:34602
- NEVSTRUEVOI, M. A. Reports on radiation protection. III, 23:4972
- NEVYAZHSKII, I. Ch. Design problems of 1000-MeV linear accelerator used as an injector for cybernetic accelerator, 21:29793
- NEVYAZHSKII, I. Kh. Linear proton accelerator I-2. II, 22:32404
  - Linear proton accelerator I-2. IV, 22:32402
  - Proton linac (25 MeV), 22:32316 (CEAL-2000, pp A30-1)
  - Proton linear accelerator (800 MeV), 22:32322 (CEAL-2000, pp A52-3)
  - Startup of 25-MeV, rigid-focusing linear proton accelerator, 21:33821
- NEVYAZHSKY, I. Kh. Injector for the Serpukhov PF: start-up works, 22:32274 (CEAL-2000, pp 255-60)
- NEVZGLYADOV, V. G. Hydrodynamical or drop model of the nucleus, 22:24910
- NEVZGODINA, L. V. Cytogenetic effect in irradiation of lettuce, 25:29491
  - Effect of ionizing radiation on chromosome apparatus of higher plants, 21:16519 (JPRS-38272, pp 371)
  - Sensitivity of potato seeds to proton and gamma radiation, 21:16517 (JPRS-38272, pp 7-8)
  - Storage of proton- and γ-irradiated seeds, 24:17171
- NEVZOROV, A. N. Gravimetric determination of Ta, 25:37274
- NEVZOROV, B. A. Corrosion of construction materials in sodium, 22:53315
  - Corrosion of structural materials in sodium, 24:23426 (AEC-tr-6984)
  - Problems of corrosion resistance of structural materials in sodium, 23:50982 (JPRS-48330, pp 426-61)
- NEW, I. B. Jr. Maintenance of on-line computers used with nuclear production reactors, 25:28797
- NEW, Maria I. Double isotope dilution derivative technique for testosterone glucuronoside in urine, 23:17344
- NEW, Paul F. J. Radiological diagnosis of occult normal-pressure hydrocephalus, 24:44563
- NEW, S. A. Anomalous slowing down of neutrons in paraffin wax, 23:17064
- NEWALL, Joseph Carcinoma of cervix, 24:21252
  - Intracavitary irradiation of carcinoma of cervix uteri, using linear distribution of sources, 25:6750
- NEWBERY, G. R. Standards of activity, 23:4785
- NEWBERY, J. E. Far infra-red spectra of some uranyl complexes, 22:16559
  - Lanthanide complexes. IX, 23:35070
  - Preparation and properties of lanthanide complexes of some β-diketones, 23:35068
  - Vibrational spectra of $[UO_2Cl_4]^{2-}$ and $[UO_2Br_4]^{2-}$ ions, 23:47453
- NEWBERY, S. P. Co-ordinate transfer system for gamma camera, 23:38289
- NEWBIGGING, David Leak detection in high pressure gas system, 23:9778
- NEWBOLD, Frank A. Techniques for reducing electrical noise pickup in biomedical counting instrumentation, 22:36078 (CONF-680303-, pp 205-12)
- NEWBOULD, P. Entry of ^{90}Sr into plants from the soil, 21:43325
  - Estimation of changes in water status of soils under field conditions from attenuation of β radiation by water held in absorbent nylon pads, 22:48938
  - Tracer studies of the root systems of crop plants, 25:51966 (A/CONF.49/P-506)
- NEWBOWER, R. S. Anomalous resistance of pure Ga near 1.7°K, 21:18545
  - Deviations from Matthiessen's rule in In, 24:6658
  - Enhanced diamagnetism above T/sub c/ in indium, 23:30511
- NEWBURGER, Roger Turbine bottleneck, 21:25647
- NEWBURGH, R. G. Relativistic time and the principle of caratheodory, 24:28592
  - Space—proper time formulation of relativistic geometry, 24:33036 (AD-702080)
- NEWBURY, R. S. Deuterium isotopic disproportionation reactions: the ammonia system as studied with a pulsed-molecular-beam mass spectrometer, 21:40870
  - Enthalpy of sublimation of Tc, 24:19452
  - Hydrogen—deuterium self-exchange in H_2S and H_2Se, 24:27079
  - Study of the isotopic disproportionation reaction between light and heavy water using a pulsed-molecular-beam mass spectrometer, 21:17622
- NEWBY, B. J. Applicability of chemically removable coatings to reactor containment buildings, 22:50840 (IN-1170)
  - Applicability of conventional protective coatings to reactor containment buildings, 22:42191 (IN-1169)
  - Aqueous reprocessing of zirconium dioxide—uranium dioxide fuels, 21:19722 (IN-1069)
  - Blending raffinates from zirconium and aluminum processes, 21:45862 (IN-1114)
  - Decontamination of protective coatings following a loss of coolant accident, 21:43429
  - Development of testing procedures for protective coatings to be used in nuclear reactor containment structures, 23:19513 (IN-1253)
  - Penetration of iodine into protective coatings, 22:2713 (IN-1095)
- NEWBY, Billie J. Separation of uranium from uranium dioxide—zirconium dioxide mixtures, 21:43043
- NEWBY, D. Use of dust suspensions in closed cycle magnetohydrodynamic electrical generation systems, 21:41851 (AEEW-M-755)
- NEWBY, Glen A. USAEC space nuclear electric power program, 22:32944
- NEWBY, L. A. Acridine orange viability test applied to bone marrow cells. II, 21:12894
- NEWCOMB, C. P. Ultrasonic attenuation in superconducting mercury and mercury—cadmium single crystals, 22:44055
- NEWCOMB, Charles Preston Ultrasonic attenuation in superconducting Hg and Hg—Cd alloys, 22:29441
- NEWCOMB, D. L. Radioactive waste disposal data for NRTS, 23:591 (IDO-12040(Suppl.3))
  - Radioactive waste disposal data for National Reactor Testing Station, Idaho, 24:22927 (IDO-12040(Suppl.4))
- NEWCOMB, G. Jr. Homogeneous precipitation of lead molybdate. [Determination of molybdenum], 22:22964
- NEWCOMB, L. Static and sliding contact behavior of materials in sodium environments at elevated temperatures, 22:657 (NAA-SR-12446)
- NEWCOMB, W. A. Tachyonic antitelephone, 24:40289
  - Theoretical study of E-layer and plasma behavior in Astron, 25:38331 (CONF-710607-11)
- NEWCOMB, William A. Dynamics of a gyroviscous plasma, 21:9565 (UCRL-14466(Rev.1))
  - More about tachyons, 24:8735
  - Radiative reactions in the resistive-diffusion problem, 24:21757
  - Stability of a magnetic well, 25:1239
- NEWCOMBE, C. L. Growth of mung bean seedlings after x irradiation and shock treatment, 25:11317
  - Hazards from immersion of Pu in marine environment, 23:12107
- NEWCOMBE, H. B. Recovery from radiation damage in biological systems, 25:52175 (A/CONF.49/P-163)
- NEWCOMBE, Howard B. Biochemistry and molecular biology, 24:41754 (AECL-3430, pp 5-18)
  - Congenital malformations from irradiations of sperm and eggs, 22:15072
  - Major malformations in trout embryos irradiated prior to active organogenesis, 22:45685
  - Persistence of heritable changes in an irradiated rat population after cessation of the exposures, 25:55164
- NEWCOMBE, R. J. Electrochemical method for determination of solubility of H in liquid Na, 23:17429
- NEWCOMER, W. S. Accumulation of radioiodine in thyroids of chickens, 23:26679
  - Transport and accumulation of radioiodine by thyroid glands of normal male guinea pigs, 21:43346
  - Transport of radioiodide between blood and thyroid of chickens, 21:32572
- NEWELL, D. M. Use of a radioisotope as an electron source in a space environment simulation chamber, 22:30786
  - Use of a radioisotope for space environment simulation, final, 3/19/67, 22:19046 (N-67-23959)
- NEWELL, E. B. Blue horizontal-branch stars of M15, M92, M13, and M3, 24:15014
  - Blue horizontal-branch stars of M4, 24:42313
  - Blue horizontal-branch stars of NGC 6397, 23:27219
  - Blue horizontal-branch stars of ω Centauri, 24:4876
- NEWELL, Edward B. Hot extreme Population II stars, 24:42311 (NP-18375)
- NEWELL, Frank W. Eye lens protection in the treatment of retinoblastoma with high-energy electrons, 22:28616
- NEWELL, J. E. Management of radioactive wastes at the nuclear power stations of the United Kingdom Central Electricity Generating Board, 25:21358
- NEWELL, J. M. Albdeo Monte Carlo analysis of fast-neutron transport in missile launch tube, 22:31900
  - Initial radiation protection aboard ship, 23:36763
- NEWELL, M. F. Effects of weathering on U—Pb ages of zircon, 21:6020
- NEWELL, R. Liquid metal bearings technology for large, high-temperature, sodium rotating machinery. Part I. Sodium bearings test facility. Part II. Screening analysis of bearing surface materials, 25:48691 (NYO-3930-13)
  - Prog. rpt. on liquid metal bearings technology, 11/68—1/69, 23:21856 (NYO-3930-4)
  - Prog. rpt. on liquid metal bearings technology, 2—10/69, 24:14129 (NYO-3930-6)
- NEWELL, R. E. Afternoon radio aurora, 23:10506
  - Indirect experimental evidence for existence of Hall and Pedersen currents in auroral E region, 22:29346
- NEWELL, R. F. Effects of chronic exposure to artifical smog and chromium oxide dust on the incidence of lung tumors in mice, 24:27675 (CONF-691001-, pp 305-20)
- NEWELL, Reginald E. Dynamics of neutral gas in thermosphere for small Rossby number motions, 22:36844
  - Prog. rpt. on planetary transport processes in upper atmosphere, annual, 5/67, 21:30542 (MIT-2241-31)
- NEWELL, Robert T. Ejecta from single-charge cratering explosions, 24:33814 (SC-RR-69-1(Vol.1))
  - Ejecta from single-charge cratering explosions. II, 24:33815 (SC-RR-69-1(Vol.2))
- NEWELL, W. R. Angular distributions of ions resulting from electron impact on rare gases, 24:35182
  - Autoionization spectrum of cadmium vapour by electron impact, 25:40379
  - Generalized oscillator strengths in the electron-impact spectra of cadmium vapour, 25:47340
- NEWEY, C. W. A. Aging characteristics of Fe—11 at. percent Mo alloy, 22:36480
  - Mechanical behavior of Fe—11 at. percent Mo alloy, 23:24910
  - Plastic deformation of Fe—11 at. percent Mo solid solution alloy, 21:13173
- NEWEY, H. The effect of uranyl nitrate on intestinal transfer of hexoses, 21:24364
- NEWFIELD, S. E. Polycarbonate as an adhesive, 22:36555 (LA-3890)
  - Specialized high-performance coatings, 23:14422 (LA-4060)
- NEWHART, L. E. Multibarrier containment, 24:18689
- NEWHOUSE, M. T. Studies of pulmonary function using the scintillation camera and ^{133}Xe for evaluation of topical ventilation and blood flow in man, 22:31120
  - Xenon-135 study of topographic pulmonary function, 22:51791
- NEWHOUSE, V. L. New materials and more applications for superconductivity, 23:23037
  - Noise analysis for amplifiers with superconducting input, 25:14224
  - Observation of single fluxon drift through a superconductor, 25:14199
  - Superconducting devices, 23:27570
- NEWING, R. A. Einstein—Maxwell field with non-zero charge-current distribution, 22:53013
  - Einstein—Maxwell fields in presence of matter and pressure, 25:17577
  - Einstein—Maxwell null fields with a null current distribution, 25:25518
  - Geometrical aspects of the two-component neutrino field in general relativity, 25:25515
  - Neutrino radiation fields in general relativity, 25:25519
  - New interpretation of Vaidya radiation, 25:30778
  - Note on neutrino-gravitational fields with positive energy density, 25:59589
  - Quantum mechanics, 22:50272
  - Tetrad equations for two-component neutrino field, 24:35710
  - Two-component neutrino field in general relativity, 24:18289
- NEWKIRK, G. Corona during March 7th 1970 eclipse, 24:37126
  - Influence of magnetic fields on solar corona, 23:36410
- NEWKIRK, G. Jr. Coronal electron densities during the period of the July 1966 proton flare, 23:22779
- NEWKIRK, Gordon Jr. Coronal polar plumes, 22:29156
  - Magnetic fields and structure of solar corona. I, 23:51291
  - Magnetic fields and the solar corona. III, 24:42456
  - Magnetic fields and the structure of the solar corona. II, 25:11604
- NEWKIRK, H. W. Chemila experiment in BeO, 22:4773 (UCRL-7887)
  - Chemla experiment in BeO, 22:52267
  - Etching studies of beryllium oxide crystals, 21:34968
  - Growth-related surface features on BeO crystals revealed by electron microscopy, 21:20589
  - Irradiation decoration of defects in single-crystal BeO, 22:17771
  - Optical nonlinear susceptibilities of beryllium oxide, 25:30666
  - Thermal annealing of irradiated lithium hydride. I, 24:36272
- NEWKIRK, Herbert W. Creep-electrical conductivity correlations in polycrystalline beryllium oxide, 21:26915
  - Electrical transport processes in BeO, 23:1536
  - Ionic conductivity in BeO, 21:13264

NEWKIRK, J. B. Equilibrium and precipitation effects in Co-rich alloys of the Co—Cr—W system, 25:35489
  Etching studies of beryllium oxide crystals, 21:34968
  Precipitated carbides in alloy systems. I and II, 23:8309
NEWKIRK, James D. Tee drawing for tubular vacuum systems, 21:6098 (LA-3517)
NEWKIRK, John B. Conference on applications of x-ray analysis, Denver, Colo., 8/67, 23:6065
  Conference on applications of x-ray analysis, Denver, 8/66. X, 23:27112
  Conference on applications of x-ray analysis, Estes Park, Colorado, 8/68, 24:4209
NEWKIRK, L. L. Comments on radial diffusion of outer-zone electrons, 25:47450
  Empirical values of the radial diffusion coefficient for electrons at 1.15 < L < 1.21, 22:34504
  Neutron multiplicity monitor observations during 1965, 21:37200
  Prog. rpt. on neutron multiplicity monitor operations at sea level and 3800 meter elevation, final, 6/22/65—6/22/66, 22:308 (N-67-19359)
  Radial diffusion coefficient for electrons at low L values, 22:15418
  Radial diffusion coefficient for electrons at 1.76 < L < 5, 23:5302
  White mountain cosmic ray neutron multiplicity monitor, 23:21963
NEWKIRK, L. R. APW calculation of energy bands in simple cubic tellurium, 25:37175 (CALT-822-29)
  Hyperfine magnetic interactions in Fe—Ga solid solutions, 25:28843 (CALT-822-27)
  Moessbauer study of BiF$_3$ type ordering in metastable FeGa alloys, 25:28842 (CALT-822-26)
  Superconducting transition temperatures and lattice parameters of Te—Au solid solutions containing Fe and Mn, 24:42131 (CALT-822-9)
  Superconductivity in the pseudobinary alloys V$_3$Si—Nb$_3$Al, 25:1093 (CALT-822-13)
  Superconductivity in V$_3$Si—Nb$_3$Al, 25:25039
  Transition temperatures and lattice parameters of metastable Te—Au solutions, 25:14178
NEWKIRK, Lawrence Ronald Band structure and transport properties of simple cubic tellurium-base alloys, 25:17084
NEWLAND, E. A. Bibliography on isotope separation by ion exchange, 25:23640 (AAEC/LIB/Bib-273)
  Bibliography on regenerating liver in rat and mouse, including radiation effects on, morphological, and biochemical changes in regenerating liver cells, 24:51023 (AAEC/LIB/Bib-243)
  Japanese A.T.R. Reactor, 25:15338 (AAEC/LIB/Bib-258)
  Physics of the dynamic growth of mushroom clouds, associated with nuclear explosions, 25:13131 (AAEC/LIB/Bib-255)
  Radiation treatment of sewage, 25:140 (AAEC/LIB/Bib-254)
  Radiation-induced polymerization. II, 25:13030 (AAEC/LIB/Bib-260)
  Radiation-induced polymerization. III, 25:13031 (AAEC/LIB/Bib-261)
  Radiation-induced polymerization. I, 25:13029 (AAEC/LIB/Bib-259)
NEWLAND, J. E. Heat source capsule fabrication technology program: September 1970—January 1971, 25:26425 (MLM-1796)
NEWLIN, Harrison E. Prog. rpt. on nutritional shelter ration, final, 3/26/64—3/31/66, 21:8783 (AD-632351)
NEWLIN, Janet E. Effect of dose levels and specific activities of tritiated thymidine in hamster, 23:45604 (ANL-7535, pp 37-9)
  Studies on the corneal epithelium, 23:45605 (ANL-7535, pp 76-7)
NEWLING, D. O. Filament winding, 23:27206 (AWRE-O-81/68)
NEWLON, C. E. Activity determination for uranium hexafluoride shipping cylinders, 24:19183 (K-L-6252)
  Criticality considerations in basket design for irradiated fuel shipment, 23:35444
  Criticality considerations in basket design for irradiated fuel shipment, 24:41639 (K-L-6232)
  Effect of steel—water reflectors on the criticality of low-enriched uranyl fluoride solution, 22:33065
  Effect of steel-water reflectors on the criticality of low-enriched uranyl fluoride solution, 22:35599 (K-D-2006)
  Energy-dependent reflection coefficient for a critical cylinder of aqueous U(4.98), 24:4159
  Fissile class I shipment of UF$_6$ "heel" cylinders, 24:14225 (K-L-6249)
  New end-loading shipping container for unirradiated fuel assemblies, 23:578 (CONF-681001-, pp 426-37)
  Nuclear and radiological safety aspects in transporting uranium hexafluoride, 25:48822 (CONF-710801-(Vol.1), pp 272-87)
  Nuclear safety analysis of moderation-controlled 48-in.-ID heavy-wall UF$_6$ cylinders, 24:41640 (K-L-6255)
  Protective shipping package for 5-in.-diameter UF$_6$ cylinder, 21:30661 (K-1716)
  Protective shipping packages for 30-inch-diameter UF$_6$ cylinders, 21:19810 (K-1686)
  Protective shipping packages for UF$_6$ cylinders, 21:22115 (K-1714)
  Solid angle method of spacing, 22:47013 (K-L-6214)
  Solid angle method of spacing, 23:19574 (CONF-680909-, pp 80-2)
  Supplemental radiation shield for 1100-curie cobalt shipment, 24:2415 (K-TL-37)
NEWMAN, C. E. Electrical conductivity of a collisionless magnetoplasma in a weakly turbulent magnetic field, 22:39070 (N-68-19706)
  Electrical conductivity of a collisionless magnetoplasma, 24:8472
  Formation of energy spectra in synchrotron sources, 25:30146
  Particle flux associated with stochastic processes, 25:17164 (AD-713124)
  Particle flux associated with stochastic processes, 25:24793
  Particle flux associated with stochastic processes, 25:30518 (N-71-11853)
NEWMAN, D. Effect of radiation on rat lung, 25:21859
NEWMAN, D. E. Production of tagged gammas using a thin internal synchrotron target, 25:1696
NEWMAN, D. F. Change in reactivity due to water loss in graphite-moderated supercells, 22:33044
  Determination of fast fission effect in graphite moderated, water cooled, slightly enriched U lattices, 22:16270 (BNWL-633)
  Determination of the absolute neutron flux spectrum in the PCTR fast neutron cavity from multiple foil activation measurements, 24:47896 (BNWL-1487)
  Fast neutron cavity experiment in PCTR, 23:23955 (BNWL-CC-1704)
  Neutron flux spectrum measurements in the PCTR fast-neutron cavity, 24:7225
  PCTR integral measurements of ^{239}Pu alpha (anti α) in fast spectra, 22:35288 (BNWL-774)
  PCTR measurement of k/sub infinity/ for ULi supercell, 22:18545 (BNWL-622)
  Tubular fuel element with integral target: PCTR experiment, 22:48727 (BNWL-834)
NEWMAN, D. G. Carbon monoxide isotope exchange with tantalum monocarbide, 22:45070
  Chemisorption of hydrogen on TaC, 23:22673
  Interaction of nitrogen with tantalum, 21:4499
NEWMAN, D. H. Electron traps in deformed KCl, 25:56321
  V centres produced in KBr and KCl at 290K by electron irradiation, 25:52911
NEWMAN, D. J. Accuracy of Hartree—Fock wave functions, 23:30316
  Crystal field in rare-earth trichlorides. II, 22:5424
  Crystal field in rare-earth trichlorides. III, 23:3575
  Crystal field in rare-earth trichlorides. IV, 23:14885
NEWMAN, D. L. Interaction of low intensity ultrasound and ionizing radiation with the tumour cell surface, 25:46948
NEWMAN, D. R. New developments in ultrasonic coating thickness measurements, 25:23426 (BNWL-SA-3279)
NEWMAN, Darrell F. Highly enriched U—Al, 0.95 wt percent enriched uranium, and Li—Al target supercell: PCTR experiments, 23:49583 (BNWL-1029)
  Improved method for calculating foil perturbation effects, 25:31659
NEWMAN, Dennis R. Multielectrode ultrasonic transducer test techniques for radioisotope encapsulation inspection, 25:21465 (BNWL-1491)
  Recent developments in nondestructive evaluation applicable to encapsulated isotopes, 25:48764 (CONF-710801-(Vol.1), pp 138-65)
  Ultrasonic thickness measurement for precision control of machine tools, 23:38343 (BNWL-1022)
NEWMAN, E. ^{39}K(d,^{3}He)^{38}Ar and the s-d shell structure of ^{38}Ar, 22:50584
  Charge-asymmetry effects in reaction ^{3}H(α,^{3}H)^{3}He at 27.4 MeV cm, 24:20318
  Deuteron elastic scattering at 34.4 MeV, 21:33932
  Diagnostic system for optimization of the external beam quality of the Oak Ridge isochronous cyclotron, 21:38138
  Distorted-wave Born-approximation analysis of the (d,^{3}He) reaction on "closed-shell" nuclei, 21:19192
  Level structure in ^{145}Eu, 24:40642
  Levels in ^{137}Cs, ^{139}La, ^{143}Pm, and ^{145}Eu observed with proton transfer reactions, 23:1888
  Levels in ^{22}Ne, ^{24}Mg, and ^{34}S by proton pickup, 23:7257
  Nuclear-structure studies of $^{91\ 92\ 93\ 95\ 97}$Nb and ^{94}Mo with the (^{3}He,d) reaction, 24:15930
  Proton single-particle states above Z = 82, as observed with the reaction ^{208}Pb(^{3}He,d)^{209}Bi at E/sub ^{3}He/ = 51 MeV, 22:1696
  Reaction (d,^{3}He) on the N = 28 nuclei at 34 MeV, 22:20505
  Reaction ^{28}Si(d,^{3}He)^{27}Al and structure of ^{28}Si and ^{27}Al, 22:18172
  Reactions (d,^{3}He) on the even Zr isotopes, 22:18231
  Reactions Cu(d,^{3}He)Ni at 34.2 MeV, 22:32548
  Shell-model effective interaction studies in A = 90 region, 22:27135
  Study of a possible 3$^+$ level in ^{30}Si, 23:5838
  Study of the level structure of N = 82 nuclei via proton-transfer reactions, 25:34115
  Surgical probe for thyroid-cancer operations, 24:22989 (ORNL-TM-2885)
  Theoretical prediction and experimental observation of the J dependence in (d,^{3}He) reactions, 22:20625
NEWMAN, E. E. Measurement of burn-up of nuclear fuels and neutron dose, 21:40578 (TRG-Report-1494)
NEWMAN, E. T. Application of the semidirect product of groups, 25:20091
  Combined Kerr-NUT solution of Einstein field equations, 21:15246
  Equations of motion and the structure of singularities, 23:34657
  Lorentz group and the sphere, 25:7715
  Motion and structure of singularities in general relativity, 24:13178
  New approach to the motion of a pole—dipole particle, 25:7730
  New conservation laws for zero rest-mass fields in asymptotically flat space—time, 22:39485
  Robinson—Trautman solutions, 21:18850
  Singularities: their structure and motion, 25:41096
  Tail of a gravitational wave, 22:35123
NEWMAN, Ezra T. Conserved quantities in Einstein—Maxwell theory, 23:52002
  Generalization of Green's theorem, 23:18996
  Reality of Schwarzschild singularity, 22:24735
  Research in general relativity, 25:17575 (AD-713140)
  Solutions of the gravitational field equations, 21:31122 (ARL-67-0053)
  Static, axially symmetric point horizons, 23:14586
  Trapped surfaces and the development of singularities, 25:59602
NEWMAN, G. Review of experience with the application and administration of a full safeguards system to an operating nuclear power station, 25:21292
NEWMAN, G. B. Theoretical aspects of saturation and radioimmunoassay, 23:11946 (CONF-671111-, pp 59-100)
NEWMAN, G. T. Effect of heat treatment on tensile behavior of U in temperature range 20 to 200°C, 22:13007
  Grain size-fracture stress relationship of uranium, 21:32888
  Hydrogen embrittlement in uranium, 21:32889
NEWMAN, H. M. Statistical investigation of distribution of pulsars in space, 24:42396
NEWMAN, I. M. Infant mortality as a potential measure of community health in urban growth, 25:41699 (ORNL-HUD-10)
NEWMAN, J. B. Inelastic bowing of multispan fuel rods, 23:2135 (WAPD-TM-770)
NEWMAN, J. H. Apparatus for continuous monitoring of ^{14}CO$_2$ from large animals, 22:25761
NEWMAN, Jack R. Nuclear legal field, 24:434
NEWMAN, James B. Gas leak rate monitor, 24:44182
NEWMAN, John Attenuation of shock waves in tunnel shelters, 21:1538 (ORNL-TM-1622)
  Compilation of selected thermodynamic and transport properties of binary electrolytes in aqueous solution, 22:39969 (UCRL-17767)
  Internal contamination of buildings by fallout, 21:39161
  Migration in supported electrolyte solutions with free convection, 25:34489 (UCRL-20322)
  Numerical solution of coupled, ordinary differential equations, 22:3991 (UCRL-17739)
NEWMAN, John B. Bowing in multispan fuel rods, 23:24043
  Elastic analysis of thermal gradient bowing in rod-type fuel elements, 22:22866 (WAPD-TM-726)
  Elastic analysis of thermal-gradient bowing in rod-type fuel elements subjected to axial thrust, 22:6143
  Inelastic analysis of bowing in multispan fuel rods subjected to axial thrust. II, 24:43865
  Inelastic analysis of bowing in rod-type fuel elements subjected to axial thrust, 22:33173
  Near-visible absorption spectra at the CsUO$_2$(NO$_3$) crystal, 21:35930
NEWMAN, John Brown Spectral behavior of cesium uranyl nitrate crystal, 22:14503
NEWMAN, Joseph W. Joint lethal effects of actinomycin D and radiation in mice, 24:23238
  Liquid-scintillation radioassay of ^{14}C-labeled hemoglobin in thixotropic gel, 24:11453
NEWMAN, Joyce Collective modes in an inhomogeneous electron gas, 24:8491 (NYO-1480-127)
NEWMAN, K. W. Development and testing techniques for radioactive decontamination compounds, 21:43422
NEWMAN, L. Determination of oxygen in sodium by the amalgamation method, 22:39977 (BNL-50118)
  Effect of β-diketone structure on the synergistic extraction of uranyl ion by tributylphosphate, 21:32261
  Electrochemical carbon meter for use in sodium, 24:50642 (BNL-14508)
  Electrochemical carbon meter for use in sodium, 25:37695
  Initial reaction of carbon monoxide with liquid sodium, 24:25676 (BNL-50197)
  Method of measuring contamination of liquid sodium, 24:18890
  Reaction of HCl with liquid Na and Na—Ba alloy, 23:9273 (BNL-13063)
  Reaction of HCl with liquid Na and Na—Ba alloy, 24:29963
  Simultaneous use of isotope ratio tracer and sulphur hexafluoride as a dual-tracer system for sulphur oxides in the atmosphere, 25:32086
NEWMAN, Leonard Mixed-metal complexes between In(III) and U(VI) with malic, citric, and tartaric acids, 25:2206
  Thorium fluoride complexes. Determination of the stability constants using the fluoride ion activity electrode, 25:26268
NEWMAN, M. J. Beam handling magnets for Nimrod, 22:11778
NEWMAN, P. Spread F and its effects upon radiowave propagation and communication, 21:29152
NEWMAN, Perry A. Geometric interpretation of the function g(c,μ) of neutron transport theory, 24:52372
  Neutron-transport problem for slab with infinite reflectors, 25:5501
  Time dependent monoenergetic neutron transport in a finite slab with infinite reflectors, 24:8812 (ORO-3858-1, pp 289-323)
NEWMAN, Perry Alan Time dependent monoenergetic neutron transport in a finite slab with infinite reflectors, 24:51762 (N-70-25328)
NEWMAN, Perry Allan Time dependent monoenergetic neutron transport in a finite slab with infinite reflectors, 25:5498
NEWMAN, Phillip A. Anomalous radiation effect in p-channel MOSFET's under electron irradiation, 21:22223
  Effect of electron radiation on silicon nitride insulated gate field effect transistors, 22:12740
  Radiation induced peaking effect in open geometry p-channel MOSFETS, 22:12741
NEWMAN, R. Decay $\Sigma^{+-} \to \Lambda e^{+-}\nu$, 23:21045
  Inelastic K$^+$-proton interactions at 2.65 GeV/c, 21:37714
  Neutral decay branching ratios of eta^0 meson, 22:7423
  Partial decay rates of eta^0 meson, 22:7422
  p$\pi^+\pi^-$ enhancements in the reaction pp $\to$ pp$\pi^+\pi^-$ at 24.8 GeV/c, 23:8729

- Sigma leptonic decay using an HPD in a pattern recognition mode, 23:33504 (ANL-7515, pp 256-65)
- NEWMAN, R. C. Defects produced in n-type silicon by electron irradiation, 25:27845
  - Electron irradiation damage in Si containing C and O, 24:28425
  - Expansion of H II regions, 22:43783
  - Irradiation damage in carbon-doped silicon, 25:56325
  - Low-temperature electron irradiation of silicon containing carbon, 24:18019
  - One-phonon absorption from aluminum complexes in Si, 24:28424
  - Recombination fronts in stellar-wind flows, 22:21830
  - Stability of ionization fronts, 21:46055
  - Viscous-transonic flow in the accretion and stellar-wind problems, 21:13337
- NEWMAN, R. G. Thermal effects simulating device for pressure transducers, 24:53060 (SC-DR-70-380)
- NEWMAN, R. H. Analysis of tobacco and tobacco smoke by neutron activation, 25:39463
- NEWMAN, R. I. Siting of nuclear fuel recovery plants, 24:7374
- NEWMAN, R. J. Platinum metals from nuclear fission, 24:36920
- NEWMAN, Riley David $K^{+}p$ inelastic interactions at 2.7 GeV/c, 21:42271
- NEWMAN, Robert C. Effect of transverse variation of solar wind speed on cosmic rays, 23:36542
- NEWMAN, Robert Chapman Some problems in cosmic gas dynamics, 22:31591
- NEWMAN, Robert I. Safeguards during reprocessing, 24:39201 (WASH-1147, pp 170-1)
- NEWMAN, Ruth Ann Prog. rpt. on reactor fuels and materials, annual, 1965, 22:19078 (TID-11295(Pt.1)(5th Ed.))
- NEWMAN, Sanford B. Reflection of soft x-rays by organic fibers, 21:5861
- NEWMAN, W. R. Oral ingestion of uranium by man, 23:47947
- NEWMAN, W. S. Integrated electron content in the equatorial ionosphere, 22:9199
  - Reception of ground-based Loran transmissions by fixed-frequency topside sounder satellite, 22:9197
  - Sporadic E and the F2 layer at middle latitudes, 22:19881
- NEWMAN, William L. Distribution of elements in sedimentary rocks of the Colorado Plateau, 21:16027
- NEWMARCH, D. A. Core representation in SGHW reactors, 22:22840
  - Further reactor physics studies for steam generating heavy water reactors. I, 22:18471
  - Further reactor physics studies for steam generating heavy water reactors. II, 22:30319
  - Further reactor physics studies for steam generating heavy water reactors. III, 23:7391
  - Lectures on neutron transport theory, 22:20402 (AEEW-M-676)
  - Method of inferring k-infinity from reaction rate measurements in thermal reactor systems, 21:35543 (AEEW-R-512)
- NEWMARK, B. Measurement and analysis of space-dependent parameters in a Demonstration Plant Benchmark Critical, 25:41516
  - Shadowing and antishadowing effects of control rods, 23:37471
- NEWMARK, N. M. Air blast effects on underground structures, 21:252 (AD-634468)
- NEWMEYER, J. L. Model for the production of particles with superstrong interactions, 25:36530
- NEWMEYER, Jeff Approximations involved in the theory of the interactions of particles and nuclei at high energies, 25:3317
- NEWNHAM, R. E. Crystal structure of Lu_2TeO_6, 24:3026
  - Crystal structure of $ZrTiO_4$, 21:26914
  - Neutron-diffraction investigation of spiral magnetic structure in Cr_2BeO_4, 23:30648
- NEWNS, D. M. Electron correlation in the chemisorption of 5d atoms on tungsten, 25:7492
- NEWPORT, R. W. Applications of cryogenics to nuclear physics, 25:42137
  - Refractive indices of neon and neon—hydrogen mixtures, 25:34963 (CONF-700623-(Vol.1), pp 543-54)
- NEWSHAM, D. M. T. Analyses of low-temperature heat capacities of the rare-earth metals, 22:23757 (CONF-670502-, pp 568-80)
- NEWSHAM, Ivor G. Electron stimulated desorption of excited neutrals: CO on W, 25:55435 (RLO-2221-T-7-4)
- NEWSOM, D. L. Irradiation results for refractory metal cermet fuels, 24:33457
  - Irradiation testing and evaluation of refractory metal fuel elements, 24:10194 (GEMP-710)
  - Refractory metal fuel element research, 24:14892 (GEMP-1013, pp 43-51)
  - Testing and evaluation of 710 Reactor Program in-pile test specimens, 24:14966 (GEMP-1013, pp 149-65)
- NEWSOM, G. H. Inner-shell absorption in the spectra of the alkaline earths. I, 25:30174
  - Oscillator strengths of the red auto-ionizing lines of calcium, 23:8408
- NEWSOME, R. W. Jr. Experimental study of excited ^{4}He, ^{5}He, and ^{5}Li nuclear systems, 21:44553
  - Resonant final state interactions in $^{3}He(d,tp)^{3}H$, $^{2}H(t,tp)n$, and $^{3}H(d,tp)n$ reactions, 23:8922 (LA-3997)
- NEWSON, E. R. Versatility of lead for radiation protection, 24:29950
- NEWSON, H. W. Analogue states in ^{59}Cu, ^{61}Cu, ^{63}Cu, and ^{65}Cu, 25:3628
  - Cyclo—Graaff: concept and practice, 25:31081
  - Experimental high-resolution investigation and shell-model interpretation of the ^{41}Ca ground-state analog, 23:25879
  - Fine structure of analogue states in ^{55}Co, ^{57}Co, and ^{59}Co, 25:34055
  - Fine structure of isobaric analogue resonances in ^{43}Sc and ^{45}Sc, 23:3966
  - High resolution inelastic proton scattering near A = 50, 23:13246
  - High-resolution investigation of (p,n) reaction, 25:38947
  - High-resolution study of isobaric analog resonances in ^{23}Na, 23:15367
  - Method of high-resolution data acquisition, 21:11882
  - S- and P-wave neutron spectroscopy. XII, 24:6821
- NEWSON, Henry W. Fission product and neutron yields, 22:27337
  - High resolution investigation of resonances in ^{19}F, 23:49338
- NEWSON, I. H. Effluent processing, 21:43014 (AERE-M-1236)
- NEWSON, Ivan Henry Improvements in or relating to foam deionization apparatus, 21:23903
- NEWSON, P. A. Spectrometer for analysing sputtered atoms of Cu or Au. I, 22:43940
- NEWSTEAD, C. M. Neutron strength function measurements in the medium and heavy nuclei, 22:18283
- NEWSTEAD, G. Bombs and earthquakes, 24:46384
- NEWSTEAD, R. A. Solar limb brightening and enhancement measurements at 1.2 mm, 23:25098
- NEWSTEIN, Maurice C. Spontaneous emission in the presence of a prescribed classical field, 22:15345
- NEWTH, J. A. Eta production near threshold, 21:5357
- NEWTON, A. A. Area waves in a theta pinch, 22:39135
  - Decay of a highly ionized helium plasma, 22:44101
  - Decay of highly ionized hydrogen and deuterium plasmas, 24:3340
  - Design aspects of field system and power supply of pulsed toroidal fusion reactors, 25:25159
  - Diffusion and stability of high-β plasma, 23:32461
  - Diffusion of high-β plasma in theta pinch, 23:48878
  - Energy loss from a theta pinch, 21:42083
  - Experimental and theoretical studies of a high-beta toroidal pinch, 25:38457 (CONF-710607-16)
  - Fast high voltage Z-preionization of megajoule theta pinch, 21:3800 (CLM-R-62)
  - Fusion reactors and plasma flow, 25:25152
  - Linear theta-pinch experiments, 23:32462
  - Linear theta-pinch experiments related to the stability of a toroidal theta pinch of large aspect ratio, 22:46189 (LA-DC-9324)
  - Observations in an 8-meter theta pinch, 22:1180 (LA-3770, Paper A2)
  - Plasma displacement due to dipole current near high-beta plasma, 25:27774
  - Pulsed fusion reactor based on the toroidal pinch, 25:25157
  - Stability of a bulged theta pinch, 24:51705
- NEWTON, Amos S. Autoionization of highly excited Ar^{+} ions produced by electron impact, 22:11227
  - Electron impact excitation efficiency curves for the formation of neutral metastable species, 24:42531 (UCRL-19594)
  - Electronically excited metastable states of molecules with an ultrahigh-vacuum molecular beam apparatus, 22:24027 (UCRL-18032)
  - Metastable ions in mass spectra of N_2, NO, N_2O, and NO_2, 23:40523 (UCRL-18726)
  - Metastable species produced by electron excitation of N_2, H_2, N_2O, and CO_2, 23:22882
- NEWTON, C. Chemical—mechanical polish for tungsten, 23:6657
- NEWTON, C. E. Jr. Emergency exposure considerations for rescue and medical personnel, 22:45504 (BNWL-SA-1937)
  - Management of an extensive plutonium wound and the evaluation of the residual internal deposition of plutonium, 22:21544
  - Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
  - Tissue analysis for plutonium at autopsy, 23:24649
  - Tissue sampling for plutonium through an autopsy program, 21:6486 (BNWL-SA-918)
  - U. S. Transuranium Registry, 25:6621 (BNWL-SA-3307)
- NEWTON, C. S. Comments on scattering of charged particles by single crystals. I, 25:24839 (RISO-239)
  - Experimental study of beam—gas collisions. I, 25:16808
  - Experimental study of beam—gas collisions. II, 25:16809
  - Molecular orbital model for beam—foil interaction process, 25:16757
  - Scattering of charged particles by single crystals. I, 25:59157
- NEWTON, Carol M. Distribution of absorbed dose and dose rate from scanning electron beam, 24:23198
- NEWTON, D. Accidental inhalation of ^{231}Pa and ^{227}Ac, 22:43320
  - Activation analysis in vivo using 5-MeV incident neutrons, 23:7494
  - Attenuation in chest wall of 20 keV x-rays from inhaled radioactive aerosol, 22:21501
  - Case of accidental inhalation of ^{65}Zn and /sup 110m/Ag, 21:6430
  - Internal contamination with ^{231}Pa and ^{227}Ac, 23:24652
  - Investigation of s-wave $\pi\pi$ interaction from the reaction $\pi^{-}p \rightarrow \pi^{0}\pi^{0}n$, 21:29459
  - Measurement of branching ratio $K^{+} \rightarrow e^{+}\nu/K^{+} \rightarrow \mu^{+}\nu$, 25:1387 (UCRL-20079)
  - Neutral final states in $\pi^{-}p$ collisions at 1.71 to 2.46 GeV/c, 23:18816
  - Progress in instrumentation and calibration techniques for the assessment of lung burdens of ^{239}Pu, 25:37801 (EUR-4612, pp 469-82)
  - Retention of inhaled ^{60}Co, 25:49089
  - Uptake of radioactive lead, 23:43672
  - Whole-body counting of persons containing ^{90}Sr and ^{226}Ra, 22:28483
- NEWTON, D. A. Preparation of ^{151}Gd for Moessbauer spectrometry of ^{151}Eu, 23:43347
- NEWTON, Elisabeth G. Geology, soil, and climate at specific points throughout the world. II, 21:19760 (TEI-867)
- NEWTON, G. J. Development of techniques for generating monodisperse aerosols with the Fulwyler Droplet Generator, 25:29076 (LF-43, pp 13-17)
  - Generation of aerosols of insoluble particles for inhalation studies, 24:33789 (LF-41, pp 61-9)
  - New method for the generation of aerosols of insoluble particles, 25:13145
  - Physical and chemical characteristics of aerosols produced from solutions of polyvalent metallic nuclides, 25:29079 (LF-43, pp 31-9)
  - Physical and chemical characteristics of aerosols produced from solutions of polyvalent metallic nuclides, 25:54545
  - Separation of ^{90}Y from ^{90}Sr, 24:33759 (LF-41, pp 75-81)
  - Separation of multicurie quantities of ^{90}Y from ^{90}Sr, 25:57352
  - Some characteristics of ruthenium aerosols generated from Ru-organic complexes and subjected to thermal degradation, 25:29077 (LF-43, pp 18-24)
- NEWTON, G. P. In situ measurements of neutral and electron density wave structure from the Explorer 32 satellite, 24:32740
- NEWTON, G. W. A. Radiation effects in solid surfaces, 23:1064
  - Valence distribution of radiophosohorus in K chloride single crystals. I, 22:18830
  - Valence distribution of radiophosphorus in K chloride single crystals. II, 22:18831
  - Valence distribution of radiophosphorus in KCl single crystals. III, 24:18992
- NEWTON, George Pressure conversion constants for magnetron ionization gages, 21:45331
- NEWTON, George P. Latitudinal dependence of the diurnal density variation, 24:51543
  - Latitudinal variations in the neutral atmospheric density, 23:42065
  - Thermosphere density and temperature, 23:10509
  - Wave propagation in the neutral thermosphere, 23:10503
- NEWTON, J. Lesions in rabbit retinas exposed to pulsed ruby laser, 21:22676
- NEWTON, J. M. Interaction between I and bacteria, 23:26240
- NEWTON, J. O. $9/2^{-}$ [514] state in ^{183}Re, 25:53763
  - $9/2^{-}$[514] state in ^{183}Re, 25:28287 (ANU-P-518)
  - Angular distributions of gamma rays produced in reactions with heavy ions, 21:15595
  - Coulomb excitation of ^{235}U, 22:42042
  - Energy levels in ^{183}Re from the $^{181}Ta(^{4}He, 2n\gamma)^{183}Re$ reaction, 22:16036
  - Gamma rays following ^{40}Ar-induced reactions, 22:5860
  - Gamma-ray de-excitation of compound-nucleus-reaction products, 24:28850
  - Nuclear spectroscopy following ^{40}Ar,xn reactions, 22:27163
  - Nuclear spectroscopy with heavy ions, 24:47680
  - Oblate shape of $^{9}/_{2}^{-}$ isomer in ^{199}Tl, 25:5707
  - Rotational states of ^{184}Os, ^{186}Os, and ^{188}Os, 21:15594
  - Structure in excitation functions of $(^{3}He,\alpha)$ reactions on a number of alpha-type nuclei, 23:37121
  - Studies of (d,d) and (d,p) reactions with C isotopes at low bombarding energies, 22:15957
- NEWTON, J. R. Codling moth control by release of radiation-sterlized moths, 24:14635
  - Control of codling moth by release of males and females sterilized by gamma radiation, 22:10899
- NEWTON, K. A. Analysis of 40 cases treated by total thoracic irradiation, 23:35835
- NEWTON, M. D. Chemical shifts of ^{11}B in icosahedral carboranes, 21:4515
- NEWTON, Mary C. Barsa Toxic effect of thermal neutrons on the rabbit electroretinogram, 25:8761
- NEWTON, R. A. Point Beach load follow test, 25:50939
- NEWTON, R. G. Deep bed activated carbon for liquid, solid, aerosol, and gaseous filters, 25:21272 (CONF-700816-(Vol.2), pp 738-50)
  - Does the Veneziano model have duality, 23:34663
  - Introduction to the quantum mechanical three-body scattering problem, 21:11822
- NEWTON, R. H. C. Extraction of ions from a radio-frequency discharge, 23:16815
- NEWTON, Roger A. Core data utilization at Point Beach Nuclear Plant, 25:50942
  - Startup experience at Point Beach Nuclear Plant, 25:50949
- NEWTON, Roger G. Amplitude from differential cross section by unitarity, 23:15276
  - Atoms in superstrong magnetic fields, 25:13829
  - Causality effects of particles that travel faster than light, 22:3302
  - Comment on noniterative solutions of integral equations for scattering, 24:39881
  - Equations with connected kernels for n-particle T operators, 21:33783
  - Fredholm methods in three-body problem. I, 25:53398
  - Generalization of the determinant method to continuous channels, 22:20348
  - Measurability of the spin density matrix, 23:3661
  - Particles that travel faster than light, 24:22007
  - Spurious solutions of three-particle equations, 21:15418
- NEWTON, T. D. Structure of a bunch of charge in an ideal accelerator, 21:4137 (AECL-2614)
  - Structure of a bunch of charge in an ideal accelerator, 21:9895
- NEWTON, T. W. Aqueous oxidation-reduction reactions of U, Np, Pu, and Am, 22:30520
  - Chloride catalysis of Np(III)—Fe(III) reaction, 23:2270
  - Kinetics of the reaction between Np(III) and Fe(III) in aqueous perchlorate solutions, 22:2058
  - Kinetics of the reaction between uranium(III) and $Co(NH_3)_4(H_2O)_2^{3+}$ in aqueous perchlorate solutions, 25:41783
  - Kinetics of uranium(III)—uranium(VI) and neptunium(III)—neptunium(VI) reactions in aqueous perchlorate solutions, 24:38862
  - Oxidation of Pu(III) by Np(VI), 24:22650

Reaction between Np(III) and U(VI) in aqueous perchlorate solutions, 24:22649
Reaction between V(II) and Np(IV), 23:35118
NEWTON, Victor Separable approximation to local potentials, 24:52718
NEWTON, William T. Determination of radiosulfate in biologic fluids and tissues, 21:32098
Distribution and localization of radioiodinated gastrin, 24:16959
Radioimmunoassay of peptides lacking tyrosine, 24:29628
NEXSEN, W. E. Jr. Decay modes of a dense plasma, 23:32327
Decay modes of a dense plasma in a magnetic well, 22:36884 (UCRL-70869)
Observed anomalous plasma loss from minimum-B system, 21:39977 (UCRL-70519)
Plasma containment in the 2X experiment, 22:13429 (UCRL-70656)
Plasma containment in the LRL 2X experiment, 25:38368 (CONF-710607-99)
NEXSEN, William E. Jr. Device for forming replica images of particle distributions in a plasma stream, 22:36902
NEY, E. Use of radioisotopes in foundry, 22:10501 (EUR-3645)
NEY, E. P. Airglow observations from OSO-B2 satellite, 22:15435
Circumstellar infrared emission from cool stars, 23:20584
F-region airglow observations from OSO 5, 24:51540
Infrared sources in Trapezium region of M42, 23:20587
Observations of anomalous radiation at long wavelengths from Ic class variables, 24:46888
NEY, Edward P. Observations of the Crab Nebula, 22:29119
NEY, J. Hyperfine structure anomalies and nuclear quadrupole interaction constants, 21:31227
Nuclear quadrupole moment of ^{40}K, 22:45939
Nuclear quadrupole moments of ^{39}K and ^{41}K, 23:30966
NEY, Josef Level-crossing study of hyperfine structure of 3d^{10}4p^{2}P/sub ^{3}/$_{2}$/ terms of ^{63}Cu and ^{65}Cu, 21:620
NEY, W. Development of the nuclear power in the world, 23:11170
NEY, W. R. Report of ICRU to XIIIth international congress of radiology, 25:21712
NEY, Wlodzimierz Apparatus for β particles backscattering analysis in mixtures of close atomic numbers, 22:23342
Gamma radiation facility of stationary type, 21:215
NEYAZAKI, Toshihiko New method for radiographic visualization of the bronchopulmonary lymphatic system, 23:38674
NEYMAN, Jerzy Conference on mathematical statistics and probability, Berkeley, Calif., 6—7/65 and 12/65—1/66. III, 22:34815
NEYNABER, R. H. Merging beams, a different approach to collision cross section measurements, 21:5075
Study of Na—O$_2$ collisions using merging beams, 23:16673
Symmetric-resonance charge transfer in Ar from 0.1 to 20 eV using merging beams, 21:28983
NEYNABER, R. N. Study of H$_2^+$ + H$_2$ → H$_3^+$ + H using merging beams, 22:15342
NEYRET, G. Application of pulsed superconducting magnets to synchrotrons, 25:3511
Proton synchrotron project of 23/45 GeV, 23:44800
Support system and alignment of magnets of 45-GeV synchrotron, 22:32328 (CEAL-2000, A70-5)
NEYRON, A. Visual function generators in conjunction with a hybrid system, 23:16173 (CEA-CONF-1149)
NEYRON, Albert Applications of logic matrices to some problems of nuclear physics, 22:25698
NEZAMI, M. Possibilities of using ^{210}Pb as an atmospheric tracer, 21:6049
NEZBEDA, C. W. Elastic constants and electron-microscope observations of neutron-irradiated compression-annealed pyrolytic and single-crystal graphite, 24:48910
NEZEL, K. Discrimination between ^{90}Sr and ^{137}Cs in laying hens following ingestion of contaminated food, 23:33613
Fallout contamination of hen eggs by ^{90}Sr and ^{137}Cs, 23:29486
Prevention of uptake of ^{137}Cs by laying-hens, 25:21569
NEZGODA, E. L. Prog. rpt. on radioisotope propulsion technology program, final, 10/65—3/67, 21:43196 (STL-517-0049(Vol.5))
NEZHEVENKO, L. B. Effects of primary compacting conditions upon final sintered density of ZrC briquettes, 22:23861
Large dimensional fabrications from high-melting carbides, 21:34950
Mill for grinding carbides, 21:14873
NEZHEVENKO, O. A. Aperiodic magnet coils of frequency-modulated power oscillator for feeding accelerating resonators of synchrotrons, 22:3575
BSB Fe-free single turn synchrotron, 21:15449
NEZHINSKII, E. M. Luminosity function of field galaxies with allowance for observational selection, 22:13137
Luminosity functions of galaxies and nuclei of galaxies, 24:25927
Mean velocity dispersion and the mass distribution law in dynamical systems, 24:12606
NEZHNOVA, T. I. Photometric determination of Mo by Sulfochlorophenol S, 21:27921
Photometric determination of niobium with magneson, 25:57315
NEZLIN, M. V. Critical currents in electron beams with compensated space charge, 25:33921
Drift instability of a non-Maxwellian plasma, 23:32452
Drift-beam instability and ion sound in an inhomogeneous plasma, 25:30506 (MATT-Trans-84)
Electron-ion beam instability, 25:30505 (MATT-Trans-83)
Instabilities of beams of charged particles in a plasma, 25:17151
Instability of charged-particle beams in plasma, 24:23961 (UCRL-Trans-10437)
Ion heating by an unstable plasma beam in a mirror system, 24:49114
Limiting currents and electron—ion oscillations in quasi-neutral electron beams, 21:43787
Nature of three-stage instability of a plasma column, 22:3138
Plasma instabilities and compensation of the space charge of an ion beam, 24:35406 (AD-704009)
Plasma instability and compensation of ion beam space charge, 22:17344 (IAE-1277)
Thresholds of beam instabilities, 22:48139
NEZRICK, F. A. Branching ratio (K/sub L/^{0} → $\pi\mu\nu$)/(K/sub L/^{0} → $\pi e\nu$), 23:42546
Diagonal and neutral current couplings in CERN neutrino experiments, 24:26368
Disadvantages in operating the NAL neutrino beam at less than the full accelerator energy, 24:52304 (TID-25473(Vol.1), pp 375-9)
Empirical pion and kaon fluxes from 200 GeV proton interactions, 24:51924 (TID-25473(Vol.1), pp 403-16)
Neutrino and anti-neutrino flux using the empirical pion and kaon spectra, 24:51925 (TID-25473(Vol.1), pp 417-20)
Neutrino beam design, 24:52290 (TID-25473(Vol.1), pp 217-49)
Neutrino facility plans at NAL, 24:15711 (CERN-69-28, pp 67-77)
Neutrino lepton scattering, 24:51926 (TID-25473(Vol.2), pp 113-20)
Upper limit for magnetic monopole production by neutrinos, 24:37613 (NAL-44)
Upper limit for magnetic-monopole production by neutrinos, 25:14638
NEZRICK, Frank A. Monoenergetic neutrino beam using current-sheet focusing elements, 25:50458
NG, Anne Gamma rays from decay of ^{75}Ge and ^{77}Ge, 23:15392
NG, E. W. Improved total inelastic scattering cross section for the rare gases, 24:47020
Large-angle scattering from N$_2$ with 40-keV electrons, 24:6366
Self-consistent models of disk galaxies, 22:11164
Total electron inelastic scattering cross sections for neutral atoms in keV energy range, 24:6370
NG, Edward W. Table of integrals of the error functions, 23:51818
Table of integrals of the exponential integral, 24:20018
NG, Edward Wai-Kwok Self-consistent models of disc galaxies, 22:5031
NG, Harven Residual injury in erythropoietic system of sheep after ^{60}Co gamma radiation, 23:33827 (AD-685234)
NG, Hawkins Prog. rpt. on Bulgur wafer and adjuncts for fallout shelter rations, annual, 7/1/65—6/30/66, 22:40657 (AD-651224)
NG, K. C. Influence of the self-induced magnetic field on the stability of a plasma column in a longitudinal magnetic field, 23:44452
NG, K. H. Observation of enhanced plasma waves by laser scattering, 25:52878
NG, K. T. Exponential fit to high energy π—p scattering at fixed angle, 21:29547
NG, Kam-sik Photosynthesis of carbon compounds, 21:3395 (UCRL-16806, pp 25-30)
NG, King-yuen Fitting of electromagnetic nucleon form factors in a vector-dominance model, 22:37166
NG, L. K. Excited states of ^{154}Gd, 22:44690
NG, Leung-kai Re-investigation of excited states of ^{154}Gd, 23:40090
NG, M. Pulse radiolysis studies of reactions of primary species in H$_2$O, 23:47531
Pulse radiolysis studies of uracil and its derivatives, 24:16581
NG, P. H. Direct-channel Regge poles as a means of treating the unphysical region in finite-energy sum rules, 25:9801
Effect of phase-shift ambiguities on finite-energy sum rules, 25:17500
Finite energy sum rules in non-forward directions, 24:24389
New sum rules for vacuum Regge-pole parameters, 23:49157
NG, S. C. Characterization of large alloy single crystals by neutron diffraction, 22:4777
NG, S. H. Bhabha scattering anomalous interaction of muon, 25:56466
Electromagnetic radii and Coulomb energy of ^{3}He, 22:3776
Muon—proton scattering and possible anomalous interaction of the muon, 25:3324
Possible anomalous interaction of muons, 24:49415
NG, Tai Ping Genetic classification of Pc3 and Pc4 geomagnetic pulsations at midlatitudes, 25:38279
NG, W. Y. Method of calculating rotational states using Hartree—Fock—Skyrme self-consistency, 25:17965
Moment-of-inertia calculations in heavy nuclei, 24:24631
Nuclear saturation, rotational invariance and microscopic theories of the nuclear moment of inertia, 24:43512
NG, W.-C. Light cone commutator functions and truncated Fubini—Dashen—Gell-Mann sum rules, 25:47782
NG, Y. Fate and importance of radionuclides produced in plowshare events, 23:29476 (UCRL-71443)
NG, Yook C. Estimation of internal dose to man from radionuclides produced in surface explosion, 22:40669 (UCRL-70894)
Estimation of the maximum dose to man from the fallout of radionuclides on agricultural land, 23:41318 (UCRL-71833)
Implications of Utah situation for future uses of nuclear energy, 22:23511 (UCRL-70788)
Prediction of maximum dosage to man from fallout of nuclear devices, 21:41402 (UCRL-50163(Pt.2))
Prediction of maximum dosage to man from fallout of nuclear devices, 23:8004 (UCRL-50163(Pt.4))
Radionuclide body burdens and hazards from ingestion of foodstuffs contaminated by fallout, 25:11038 (UCRL-72716(Rev.1))
NGAI, K. L. Free energy of Josephson junctions, 22:1112
Interaction of ac Josephson currents with surface plasmons, 23:39436
Interaction of the ac Josephson current with surface plasmons, 22:19914
NGHI, L. Q. Diffusion in ion-implanted solids with nonuniform diffusion parameters, 25:19840
Sputtering phenomena and depth distribution. IV, 24:19981
NGO, C. Test of DWBA-type model for analysis of heavy-ion transfer reactions, 25:12683
NGO, T. Altered in vivo metabolism of histidine (imidazole-2-^{14}C) in irradiated rats, 22:49620
NGO, Tran Manh Effects of large doses of unlabeled L-methionine, 24:33990 (UCRL-19420, pp 40-5)
Quantitation of certain alterations in intermediary metabolism in vivo associated with changes in body content of vitamins B$_1$, B$_6$, B$_{12}$, and folic acid using ^{14}CO$_2$ breath analysis, 23:29297 (UCRL-18832)
NGO, Victoria B. T. Computer programs for improved equation of state (ES68Z and ES68M), 23:49684 (UCRL-19011)
NGOC, H. Nguyen QED test by e+e- scattering at 2 x 510 MeV, 24:5331 (LAL-1221)
NGO K'UANG TSU Spectrum of fast deuterons emitted in interaction of 670-MeV protons with C nuclei, 24:28479 (JINR-P1-4985)
NGO KUANG ZUI Spectrum of fast deuterons emitted in 670-MeV proton interaction with carbon nuclei, 25:31225
NGO KUOK BYU Isotope equilibrium in system BF$_3$—tetrahydropyran complex of BF$_3$, 23:15936
N'GORE-KASSI, F. Radiosensitivity of the male genital gland of the water turtle, 22:4697
NGO VAN HAI (DD) reactions on a gaseous target of D$_2$O vapor used as neutron sources, 24:20300
NGUEN VAN TRONG Scattering and transformation of helical waves in a magnetoactive plasma, 21:46338
NGUYE MINH TRI Temporal constants in formation of sporadic E layer, 22:9214
NGUYEN, Ba Cuong Exchange between various zones of atmosphere over continents and oceans, 25:21200 (CEA-R-3977)
NGUYEN, Ba Giao Enhancement of the carcinogenicity of 7,12-dimethylbenz[a]anthracene through replacement of H by deuterium, 25:57920
NGUYEN, D. C. Core excitation of light odd nucleus by (d,p) reaction, 22:26902
Scattering of deuterons and alpha-particles by ^{6}Li and ^{7}Li, 23:34731
Structure of ^{6}Li and ^{7}Li in excited states, 22:26884
NGUYEN, D. T. Infinite cylindrical antenna in a compressible plasma, 22:36923
NGUYEN, Dai-ca Elastic and inelastic scattering of deuterons from ^{9}Be, ^{12}C, ^{14}N, and ^{16}O at 14 MeV, 21:7699
Reaction ^{11}B(α,^{7}Li)^{8}Be at 28.4 and 29.0 MeV, 23:8942
NGUYEN, Dai-ca. Design and performance of a broad range magnetic spectrograph, 23:42820
NGUYEN, Dinh-Nguyen Metal-catalysed reduction, 24:36249
NGUYEN, Dong H. Bounds on the continuous spectrum of pulsed fast assemblies, 24:33433
Contribution of the continuum to the neutron transient behavior in a pulsed multiplying cylinder, 23:4452
Ionization by fission fragments escaping from a source medium, 22:1001
Maximum eigenvalue in the pulsed-neutron initial-value problem, 23:4435
Maximum eigenvalue of the transport operator in a fissionble medium, 25:25624
Measurement of neutron diffusion lengths in highly absorbing solutions, 25:6183
Neutron flux determination by an enriched LiI(Eu) crystal detector, 25:39728
Neutron time-energy distributions following an epithermal burst, 24:33508
On the upper bound of the point spectrum for pulsed thermal systems, 24:7317
Time decay constants in pulsed multiplying media, 22:33015
Time-dependent neutron spectra in a pulsed homogeneous multiplying system, 24:29083
NGUYEN, Dong Huu Ionization by fission products and decay electrons, 21:31827
Spectral, angular, and spatial distribution of electrons in a slowing-down medium, 21:37524
NGUYEN, Dong Quang Interaction of electromagnetic waves with quantum and classical plasmas: correlation effect, 22:11469
NGUYEN, fan Hieu Intermediate states in the t-channel, 23:42646
NGUYEN, Hoe Displacements and intensities of components of hydrogenic lines of helium atom in presence of electrical and magnetic fields, 21:35002 (CEA-R-3233)
Spectral Ly α, Ly β, and H α line shapes for H atom in presence of magnetic field in plasma, 21:25109 (CEA-R-3161)
NGUYEN, Khanh Cung Magnetic characteristics of ferrites with application in proton synchrotron, 21:15437 (CEA-R-3058)
NGUYEN, Q. Mirabelle and large bubble chambers, 23:29226
NGUYEN, T. D. SIGMA-suppression in /sub Λ/^{5}He, 25:9815
NGUYEN, T. K. Plasma heating at the lower-hybrid resonance, 25:58960 (CEA-CONF-1831)
NGUYEN, T. V. Boundary layers associated with a cold cathode and a seeded hot plasma, 25:47374
NGUYEN: T. D. Electron capture decay of ^{193}Hg and /sup 195m/Hg, 24:40633

NGUYEN BA CUONG Comparison of vertical distributions of ^{222}Rn from 0 to 4,500 m above Atlantic Ocean, Antartica Continent, and Paris region, 22:17511
  Geographic variations of the large-scale vertical exchange speed, 24:31490
NGUYEN CONG, Khan Spark fission-fragment counter, 25:18671
NGUYEN CONG KHANH Production of spontaneously fissioning isomers ^{242}Am and ^{244}Am, 25:20412
NGUYEN DIN THY Method of searching for the kink and determining the track parameters of particles scattered in a bubble chamber, 25:18773 (JINR-P1-5540)
NGUYEN DUC, Xuong Hydraulic model of Rayleigh—Taylor instabilities in magnetohydrodynamics, 22:34347
  Radiation-type heat exchanger, 22:50072
NGUYEN DUC THACH Extraction of thorium with neutral organophosphoric compounds in the presence of aromatic carboxylic acids, 25:31770
NGUYEN-H-DOAN Study of spectrograms of CH Cygni, 25:8990
NGUYEN HIU TEE Electrical characteristics of the positive column in binary rare-gas mixtures with mercury vapors, 23:5426
NGUYEN-HOANG-NGHI Complexes MF$_6$, nNaF (M = U, W, Mo), 23:24141 (CEA-R-3732)
NGUYEN-HOE Combined Stark and Zeeman effects on hydrogenoid transitions of neutral He, 24:23741 (ORNL-tr-2295)
  Effect of a uniform magnetic field on the profiles of hydrogen lines, 21:27139
  Effect of homogeneous magnetic field on line profiles of hydrogen, 21:7188 (CEA-R-3057)
  Stark broadening of hydrogen Balmer lines in plasmas, 23:16786
  Treatment of short-range collision problem in Stark broadening of H lines, 24:47002
NGUYEN HUI TI. Ionic current in the center of a cathode in a discharge with oscillating electrons in a magnetic field, 23:34405
NGUYEN HUU, Van Simultaneous determination of the isotope ratio ^{234}U—^{238}U, 24:2143
NGUYEN-HUU-DOAN Observation of a low-altitude aurora, 25:24987
NGUYEN HUU KHANH Correlation of π π-scattering angle and di-pion mass in the vicinity of the rho meson, 21:2380
NGUYEN HUU VAN Geochemical behavior of isotopes in U and Th families in grotto concretions, 24:311
  Use of low-level α spectrometry in the determination of elements occurring in traces in natural mineral substances, 25:10477
NGUYEN HYU-NGYA Dependence of effect of irradiation on physiological condition of seeds of Triticum, 22:31289
NGUYEN-KHAC, N. Further results in direct search for C violating decay mode eta^0 $\to$ $\pi^0e^+e^-$, 21:31518
NGUYEN-KHAC, U. Applications of invariance principles in the physics of elementary particles, 23:10834
  Applications of invariance principles in the physics of elementary particles, 23:49178
  Neutral-decay mode of eta^0 and ω^0 mesons, 23:49060
  Search for decay mode eta^0 $\to$ $\pi^0\gamma\gamma$, 22:5494
NGUYEN KIM THOA Longitudinal drift of chorus and relation to magnetic disturbances, 25:33135
NGUYEN KONG KHAN Production of spontaneously fissible isomer ^{242}Am at thermal neutron capture, 23:47021
  Search for spontaneously fissionable isomers with nanosecond life time in the reactions with heavy ions, 24:26638 (JINR-P7-5018)
NGUYEN-LONG-DEN Effect of nature and energy of incident particle on ratio of formation cross sections of isomeric states of /sup 134,mf/Cs and /sup 84m,f/Rb produced by irradiation of lanthanum and yttrium targets, 24:1814
  Surface reactions in an ion source in the case of the isotopic separation of the rare earths, 24:44204
NGUYEN LUONG THAN Code CACTUS, 21:3207 (CEA-R-3039)
NGUYEN-NGAN 10,830-A line in solar active regions, 25:19421
  Energy balance in spicules, 24:42439
  Profile of the 10,830-A line on solar disk, 24:48963
NGUYEN-NGOC, H. Charge form factor of proton at momentum transfer of 75 F^{-2}, 21:31515 (DESY-67/18)
  Charge form factor of the proton at a momentum transfer of 75 fm^{-2}, 21:42240
  Detection near a multi-GeV ring, 24:16882 (CONF-690330-, pp 61-71)
  Magnetic spectrometer for high energy electron scattering experiments, 21:36456
  Magnetic spectrometer for high-energy electron scattering experiments, 21:28205 (DESY-67/10)
NGUYEN-NGOC, Hoan CESAR and CONCORDE: application of CONCORDE hexagonal synthesis program to experiments on CESAR critical reactor, 25:8130 (CEA-N-1276)
  Space synthesis: application of synthesis method to two and three dimensional multigroup neutron diffusion equations, 23:52103 (CEA-R-3713)
NGUYEN NGOC, Thuan Behavior of the diffraction peak for particles with arbitrary spins, 23:32639
NGUYEN NGOC THUAN Asymptotic equalities of cross-sections of multiple formation, 23:13047
  Asymptotic equalities of multiproduction cross-sections at collision of particles with spin, 23:49155
  Behavior of diffraction peak for arbitrary spin particles, 23:25537 (JINR-P2-4260)
  Regge behaviour and a lower bound for decrease of the scattering amplitude, 23:46831
  Shrinkage of the forward and backward diffraction peaks, 22:41754 (JINR-P2-3897)
NGUYEN-NGOC-TRAN First approximation for the flows in magnetohydrodynamic shock tubes with effects of extremities and non-uniform anisotropic electric conductivity, 21:9389
  Influence of prolongation of the magnetic field on the extremity effects in magnetohydrodynamic shock tubes, 22:17451
  Study of flow in magnetohydrodynamic shock tubes, 21:29093
NGUYEN NGUYEN PHONG Neutron resonances of gadolinium isotopes, 24:22134 (BNL-tr-322)
  Neutron resonances of Gd isotopes, 23:40053
  Neutron resonances of Nd isotopes, 23:8981
  Neutron resonances of neodymium isotopes, 22:7692 (JINR-P3-3564)
  Neutron resonances of the gadolinium isotopes, 22:42014 (JINR-P3-3882)
NGUYEN QUANG, D. Propagation of ionic waves, 24:26269
NGUYEN QUANG-HOC Calculation of sd shell spectra in A = 18, 25:50828
NGUYEN-QUANG-RIEU High resolution measurements of 21-cm absorption in the direction of W 49, 24:10266
  OH emission sources associated with long-period variable infrared stars, 25:47258
  Structure of normal galaxies at 2695 MHz, 24:51363
  Study of normal galaxies at 1415 MHz. II, 22:52415
  Study of normal galaxies at 1415 MHz. I, 22:52420
NGUYEN QUY DAO Crystal structure of ammonium pentafluoxyuranate, 21:1356
  Crystalline structure of $(NH_4)_3UO_2F_5$, 23:4602
  Crystalline structure of UO_2Cl_2, $2[(C_2H_5)_3NHCl]$, 24:48899
  Crystallographic data on defined compounds of system $CsF—UO_2F_2—H_2O$, 25:124
  Order and disorder in the crystal structure of cesium pentafluoroxyuranate, 25:39520
  Physico-chemical studies of ammonium pentafluoxyuranate, 23:7513
  Physico-chemical studies of ammonium uranates, 23:17405
  Structural study of ammonium uranyl pentafluoride, 23:45263
  Study of the infrared spectra of potassium uranyl pentafluoride and ammonium uranyl pentafluoride, 22:14489
NGUYEN-QUY-DAO, M. Formation of alkaline uranates in aqueous solutions, 22:45034
NGUYEN T. K Scattering of E.M. wave by a plasma, 23:12761 (CEA-CONF-1115)
NGUYEN THI HONG Asymptotic equality of cross sections of neutrino and antineutrino interaction with nucleon, 22:17910 (JINR-P2-3647)
  Asymptotic equality of neutrino—nucleon and antineutrino—nucleon interaction cross sections, 23:3698
  Behavior of the diffraction peak for particles with arbitrary spins, 22:41753 (JINR-P2-3896)
  Consequence of analyticity of form factor, 25:33585
  Dispersion relation and sum rules for the pion form factor, 23:32662
  Existence of some baryon and meson unitary multiplets, 21:25337
  Pi-meson production in neutrino experiments and current algebra, 21:25267 (JINR-P2-3197)
NGUYEN THUC DIEM Interactions pp $\to$ pp$\pi^+\pi^-$ at 8.1 GeV/c, 22:24535
  Partial wave analysis of the reaction πN $\to$ N$\pi\pi$ below 1 GeV. II, 24:1517
NGUYEN TING NGO Investigation of reactions of solutions of thorium nitrate and alkali metal carbonates by methods of high-frequency and pH titration, 23:40626
NGUYEN TING SHOA Solubility of rare earth metals in solid state aluminum, 23:22537
  Study of phase equilibria in the aluminum—copper—yttrium system, 25:55561
NGUYEN TIN SHOA Structure and properties in Al—Y rich in aluminum, 24:27797
NGUYEN TRONG, H. Operational behavior of structural components of EL4 primary circuit, 24:28867
NGUYEN-TRONG-KHOI Incoherent scattering of millimeter waves by a plasma, 24:23957
NGUYEN-TRUNG, C. Correlation function and π^- meson absorption, 21:25584
  Pi-nucleus interaction, 22:26916
NGUYEN TUONG VIET Oscillator of very high frequency stability utilizing a superconducting cavity, 22:19199
  Recent investigations of the Orsay group on rf properties and applications of superconducting cavities, 25:50301
  Superconducting Nb TM$_{010}$ mode electron-beam welded cavities, 24:27294
NGUYEN-VAN-CHONG Contribution to the theory of echo phenomena in a plasma, 25:3164
  Theory of plasma echo, 24:28374
NGUYEN VAN GIAI Coupled channel reaction theory, 24:49947
  Double-scattering corrections to medium-and high-energy inelastic nucleon scattering, 21:30056
  Treatment of the continuum—continuum interaction by the factorization approximation in coupled channel theory, 24:43590
NGUYEN VAN HAI Ovarian carcinomas treated intraperitoneally with radiogold (^{198}Au), 21:36660
NGUYEN VAN HEU Current divergencies, 22:17882
NGUYEN VAN HIEN Hermiticity or non-hermiticity of the Hamiltonian for an unstable particle in quantum field theory, 22:26708
NGUYEN VAN HIEU Analyticity, locality, and symmetry with infinite multiplets, 21:4123 (JINR-E2-2932)
  Analyticity, locality, and symmetry with infinite multiplets, 21:40255
  Antiproton annihilation into two mesons and higher symmetries, 21:35335
  Asymptotical properties of K/sub L/^{0} + p $\to$ K/sub S/^{0} + p amplitude, 25:59494
  Behavior of elastic scattering amplitude at momentum transfers decreasing as (ln s)$^{-2}$, 25:22907
  Compound fields of infinite multiplets, 22:50441
  Cross sections of elastic and inelastic processes at high energies in a quantum field theory, 24:5339
  Current divergences, 21:7479 (JINR-E2-3039)
  Current-field equal-time commutation relations, 21:7522 (JINR-E2-3006)
  Cut-offs in complex l-plane and behavior of inelastic process cross sections, 21:31590 (JINR-P2-3337)
  Cuts in the complex l-plane and inelastic cross sections, 22:20248
  Dispersion relations and elementary length in quantum field theory, 21:971 (JINR-P-2873)
  Divergence of currents, 22:32099
  Effective radius of strong interactions, 24:30447
  Electromagnetic decay and electric production of the $^3/_2{}^+$ resonance, 21:2423
  Electromagnetic interaction of the x-meson in higher symmetries, 21:2499
  Experimental consequences of analyticity of formfactor, 22:20159 (JINR-E2-3729)
  Formation and decay of ($\mu^+\mu^-$) atoms, 23:46643 (SLAC-Trans-97)
  Free local fields with infinite multiplets, 21:40266 (JINR-E2-3430)
  High-energy behavior of inelastic cross sections, 22:7565
  Infinite multiplets in quantum field theory, 22:9670 (JINR-P2-3606)
  Infinite multiplets in quantum field theory, 23:1680
  Intermediate states in the t-channel of the reaction and radius of strong interactions, 23:21090 (IFVE-STF-68-54-K)
  Is one of lepton quantum numbers multiplicative, 22:9558 (JINR-P2-3601)
  Is one of the lepton quantum numbers multiplicative, 22:32110
  Lower bound of elastic scattering amplitude at fixed momentum transfer, 22:20339 (JINR-E2-3728)
  Lower bound of elastic scattering at a fixed momentum transfer, 22:41878
  Lower bound of elastic scattering at fixed momentum transfer II, 22:44503 (JINR-E2-3933)
  Lower limit of elastic scattering amplitude at fixed momentum transfer. II, 23:7189
  Meson resonances 2$^+$, 1$^+$, 0$^+$ in the higher symmetry theory, 21:4100
  Meson—baryon forward scattering in relativistic theory of spin and unitary symmetry, 21:7542
  Non compact symmetry groups, unitary S-matrix and quantum field theory, 21:13715 (IFA-FT-62)
  Noncompact symmetry group and unitary S matrix, 22:9703
  Noncompact symmetry groups, unitary S-matrix, and quantum field theory, 21:29575
  Production and decay of ($\mu^+\mu^-$) atoms, 24:8651
  Relativistic theory of SL(6,C) symmetry, 21:42425
  Relativistically invariant equations for compound particles and form factors, 22:13690
  Representations 189 and 405 of SU(6) and the classification of 2$^+$, 1$^+$, and 0$^+$ meson resonances, 21:17160
  Short-range nuclear forces and high-energy cross section behavior, 24:49439
  Shrinkage of the forward and backward diffraction peaks, 22:41754 (JINR-P2-3897)
  Some consequences of analyticity and unitarity, 22:15850 (JINR-E2-3655)
  Theory of relativistic SL(6,C) symmetry, 21:4067 (JINR-E2-2951)
  Theory of unitary representations of SL(2,c) group, 21:942 (JINR-P-2886)
  Theory of unitary representations of the SL(2C) group, 21:29576
  Theory of unitary symmetry of elementary particles, 22:13810
  Two-meson annihilation of antiproton and high symmetries, 22:9662
  Unitarity of the S matrix in the disturbed SL(6) symmetry, 21:949
  Upper and lower limits of elementary particle radius, 24:8648 (JINR-P2-4798)
  Upper bound for elementary particle radius and lower bound for their form factor, 23:27761
  Upper limit of radius of elementary particles, 22:1394 (JINR-E2-3509)
  Upper limit of the elementary particle radius, 22:39305
  Upper limit of the radius of the elementary particles and the lower bound of their formfactors, 22:46344 (JINR-E2-3986)
  Velocity of signal propagation and state-time metric in nonlinear electrodynamic, 23:42714 (JINR-P2-4605)
NGUYEN VAN NHUNG Magnetic properties and structures of CrB compounds Tb—Ge$_{0.2}$Si$_{0.8}$, HoSi, ErSi, and TmSi, 25:14434 (CEA-CONF-1701)
  Magnetic structure of ErSi, 25:5212
  Structure and magnetic properties of TbSi, 24:19988
NGUYEN VAN SEN Excited levels of ^{15}N, 24:47571
  Excited states of ^{21}Ne, ^{22}Ne, and ^{23}Ne, 24:43277
  Excited states of ^{21}Ne, 21:42581
  Isobaric analog states of ^{15}N and ^{15}O, 22:13948
  Low-energy (d,p) reactions on light nuclei, 22:9918 (CEA-R-3305)
  Neon-20(d,p)^{21}Ne and excited states of ^{21}Ne, 22:27031
  Nitrogen-14(d,d)^{14}N and ^{14}N(d,p)^{15}N angular distributions and excited states of ^{15}N, 23:17083
  Reaction ^{3}He(d,d)^{3}He, 23:49321
  Study of certain excited states of nuclei ^{21}Ne(E/sub ex/ = 4.728 MeV), ^{23}Ne(E/sub ex/ less than or equal to 5.633 MeV), and ^{23}Ne(E/sub ex/ = 3.22 MeV), 24:3889
  Study of elastic and inelastic scattering of 14-MeV neutrons by ^{6}Li, ^{7}Li, and ^{9}Be nuclei, 21:4230

- NGUYEN VAN SEN, M. Stripping and compound-nucleus interference in reaction $^{16}O(d,p_1)$ (E/sub d/ < 1.2 MeV), 22:20464
- NGUYEN-VAN-THANH Effect of solvent on frequencies of CD and CH stretching band in some haloforms, 25:10540
- NGUYEN VAN TRONG Contribution to the study of very dense plasmas, 23:5385
  - Contribution to the study of very dense plasmas, 23:7024
  - Determination of the temperature of the plasma of the wire explosion, 22:5384
  - Echo theory in plasma, 24:12856 (ITF-69-68)
  - Echo theory in plasma, 25:9519
  - Echo theory in plasma of three-momenta echo vibrations, 24:12857 (ITF-69-73)
  - Echo theory in plasma spacial echo in plasma, 24:15356 (ITF-69-84)
  - Electron recombination in an Ar plasma under atmospheric pressure in the vicinity of 10,000°K, 21:27182
  - Electron recombination of H_2 in an azimuthal pinch, 21:29236
- NGUYEN VINH MAU Muon capture in ^{40}Ca, 22:5803
- NGUYGEN VAN GIAI Coulomb energy differences in mirror nuclei in Hartree—Fock approximation, 25:36712
- NG-YELIM, Joyce Application of deviation theory to patterns from faceted surfaces of fcc metals, 24:42513
- NGYUEN, Tak An. Production and decay of compound nuclei in high-energy heavy ion reactions, 25:59779 (JINR-P7-5912)
- NI, Che-ming Studies on the analytical chemistry of scadium, 21:35893
- NI, Chen-Chou Magnetic field effects on thermal conductivity of $Co[(NH_2)_2CS]_4Cl_2$, 24:18816 (COO-1629-16)
- NI, Kuo-nien Study of isothermal section at 1200°C of system W—Mo—Zr, 21:18283 (JPRS-39757)
- NI, Tiee-Bor Prog. rpt. on powder metallurgy compaction, 9—11/70, 25:12913 (SRO-475-9)
  - Prog. rpt. on powder metallurgy compaction, 12/70—2/71, 25:23485 (SRO-475-10)
  - Prog. rpt. on powder metallurgy compaction, 3/71—5/71, 25:44292 (SRO-475-11)
- NIALL, H. D. Disc solid-phase radioimmunoassay of human luteinizing hormone, 22:23464
  - Solid phase disc radioimmunoassay for human growth hormone, 22:40757
  - Solid phase radioimmunoassay, 21:26371
- NIAS, A. H. W. Assessment of radiation and chemical damage in cultured mammalian cells, 22:52013
  - Clone size distribution of HeLa cells treated with DNA precursors, 23:11935 (AEC-tr-6646/4A, pp 69-72)
  - Comparison of effects upon HeLa cells of isopropyl methane sulphonate and x rays, 22:28638
  - Effect of 14 MeV monoenergetic neutrons on HeLa and P388F cells in vitro, 22:45430
  - Effects of caffeine on sensitivity to ultraviolet light of HeLa cells, 25:4607
  - Effects of pulses of radiation on the survival of mammalian cells, 23:45874
  - Effects of single and continuous irradiation of HeLa cells at -196°C, 24:6057
  - Influence of recovery from sublethal damage on the response of cells to protracted irradiation at low dose-rate, 25:58088
  - Modification of cellular kinetics by ionizing radiation, 24:34575
  - Normal reproductive capacity of cultured cells, 22:43402
  - Radiobiological aspects of preoperative irradiation, 21:20308
  - Survival of HeLa cells from pulses of electrons, 24:51017
- NIATEL, M. T. Experimental study of ion recombination in parallel-plate free-air ionization chambers, 21:45388
- NIATEL, Marie-Therese Experimental study of the effect of water vapor on the ionization produced in air, 23:43349
- NIAUSSAT, P. Effects of whole body irradiation on blood sugar level of scorpion, 24:4563
  - Radioactive contamination of a Coccolithophora sp. clone, 24:41795
  - Radioresistance in various animals, 24:48671
- NIAUSSAT, Pierre-Marie Effect of whole body x irradiation on hemolymph proteins of Limulus polyphemus, 21:8907 (AD-635559)
- NIAY, P. Emission spectrum of Th in 5400 to 6400 cm^{-1} region, 25:43113
- NIAZI, Mansour Source arrays in studies of regional structure, 23:43423
- NIBBIO, N. Protection against radiation during radiological diagnosis, 24:17055
- NIBLACK, W. K. Alternative to perturbation theory, 24:20037
  - Spin—orbit doublet separation in ^{17}O using hard-core harmonic-oscillator wave functions, 22:18138
  - Two-nucleon hard-core interaction in a common harmonic-oscillator potential, 21:30077
- NIBLACK, Walter Kenneth Study of methods for calculating the spin-orbit doublet splitting in ^{17}O, 22:26927
- NIBLER, Joseph W. Force constant displays of unsymmetric molecular isotopes of H_2O, H_2S, H_2Se, and HCCH, 22:35798
  - Infrared and Raman spectra of solid beryllium borohydride, BeB_2H_8, 25:45601
- NIBLETT, G. B. F. Resistive instabilities in a low-energy theta pinch, 22:13525
- NIBUYA, Koichiro Isodose curve for patient treated by Ra intracavitary irradiation, 21:39430
- NICA, Alexandru Theory and practice of lubrication systems, 25:26416
- NICASTRO, James Similitude for shock-wave initiated flux compression, 23:23074
- NICASTRO, L. J. Laser measurement of electron density in dense, high-temperature plasma, 22:29471
- NICE, E. G. ESR study of an x-irradiated single crystal of 5-iododeoxyuridine, 23:42422
  - ESR study of x-irradiated single crystals of 5-bromodeoxyuridine and 5-iododeoxyuridine, 23:42423
- NICHINI, F. M. Beryllium window tubes for mammographic examinations, 25:42545
- NICHINI, Franco M. Association of low serum magnesium concentration with severity of gastrointestinal symptomatology in the irradiated patient, 25:52249
- NICHIPOR, G. V. Calculation of chemonuclear reactor channel productivity in condition of non-isothermal flow of radiolized gas and variable dose rate, 25:1947
  - Calculation of kinetics of ammonia radiolysis in gas phase. III, 24:2210 (ANL-Trans-786)
  - Calculation of kinetics of ammonia radiolysis in gas phase. II, 24:2209 (ANL-Trans-785)
  - Calculation of kinetics of ammonia radiolysis in gas phase. I, 24:2208 (ANL-Trans-784)
  - Kinetics of radiation-thermal decomposition of NO_2 in flow, 22:23064
  - Kinetics of radiation-thermal decomposition of NO_2 in flow, 23:211 (BNL-tr-223)
- NICHIPOROV, F. G. Reactivity of Ce^{4+} ions in irradiated aqueous solutions of sulfuric acid, 25:54647
  - Yields of hydrogen peroxide in aqueous solutions of thallium sulfate, 25:54646
- NICHIPOROVICH, G. A. Comparative calibration of ionization magnetron manometer and magnetic electric discharge manometer under super high vacuum, 21:16241
- NICHIPORUK, B. Cross section for production of electron—positron pairs in Xe by γ quanta of 2.5 GeV energy, 21:40450
  - Detection of $\pi^0 + \gamma$-decay of ω^0-mesons produced by π^--mesons with the 9 GeV/c momentum in π^--Xe interactions, 21:3976 (JINR-P1-2948)
  - Detection of the $\omega^0 \rightarrow \pi^0\gamma$ decay for π^- mesons produced by the 9 GeV/c mesons in the π^-—Xe interactions, 22:5517
- NICHIPORUK, Walter Lithium in chondritic meteorites, 25:6924
- NICHITIU, F. Gh. Cerenkov mechanism and resonance production, 25:56498 (IFA-HE-76)
  - Cherenkov mechanism for single-pion production in hadron—hadron interactions, 25:41016
- NICHITIU, Florian Quarks and astronomy, 25:934
- NICHKOV, I. F. Density and surface tension of molten uranium tetrachloride, 24:13842
  - Displacement of molybdenum from molten chlorides by metallic manganese, 24:14023
  - Fusibility diagram of $PbCl_2$—$ThCl_4$ system, 24:11537
  - Fusibility diagram of the KCl—$ThCl_4$ system, 21:5006
  - Interaction of zinc with beryllium, 22:28785
  - Investigation by the electromotive force method of the thermodynamics of liquid zinc—uranium alloys, 22:28786
  - Investigation by the electromotive force method of the state of liquid lanthanum—bismuth solutions, 22:28787
  - Investigation by the electromotive force method of the state of uranium in liquid uranium—bismuth solutions, 22:28788
  - Investigation by the electromotive force method of the thermodynamics of the intermetallic compounds of bismuth with uranium, 22:28789
  - Ion composition of melted mixtures of Na, K, Pb, and U chlorides, 22:33318
  - Melt diagrams of magnesium and uranium chlorides, 23:41747
  - Molybdenum and niobium reduction from chloride melts with lead, 23:24286
  - Phase diagrams of the systems $ThCl_4$—UCl_3 and $PuCl_3$—UCl_3, 24:38816
  - Polarization of a zinc cathode during thorium precipitation from molten halide salts, 25:42821
  - Polarization of Bi cathode during Th precipitation from chloride melts, 24:36882
  - Polarization of molten zinc cathode at the electrolysis of potassium and sodium zirconium-bearing chloride melts, 21:30426
  - Precipitation of uranium from a melt of fused halides with a molten zinc cathode, 25:54580
  - Study of melting in salt systems containing uranium trichloride, 24:44021
  - Thermodynamic properties of cerium in molten zinc, 25:55442
  - Thermodynamics of Cu—Zr systems, 24:51177
  - Thermodynamics of La—Zn system, 24:14737
  - Thermodynamics of Pu—Bi system, 24:1025
- NICHKOV, N. F. Fusibility diagram of KCl—$ThCl_4$ system, 21:32150 (IS-Trans-67)
- NICHOL, A. W. Precision velocity generator suitable for Moessbauer experiments, 22:16899
- NICHOL, D. G. Excitation of lambda6300A (O I) airglow by soft electron fluxes, 25:19579
  - Pre-dawn enhancement of lambda6300 A airglow, 25:2961
  - Summertime midnight enhancement of 6300A airglow, 24:23873
- NICHOL, L. Inelastic neutron scattering with fission neutrons, 25:46002
  - Irradiation facility, 24:31109
- NICHOL, L. W. Study of $^{23}Na(n,\gamma)^{24}Na$ and $^{27}Al(n,\gamma)^{28}Al$ reactions, 23:34767
- NICHOLAS, C. J. Frozen polarized target, 25:5466 (RPP/A-81)
- NICHOLAS, D. J. Frozen polarized target, 25:53480
  - Lifetime of a negative helium ion, 22:15358
  - Present status of polarized targets at the Rutherford Laboratory, 25:20135 (RHEL/R-201)
  - Proton polarization and relaxation times below 1 K for glycerol:water doped with porphyrexide, 25:7785
  - Proton polarization measurements, 25:3500
  - Proton relaxation rates and polarization measurements in butanol/water samples at 25 kG, 25:7784
- NICHOLAS, D. J. D. Cobalt requirement for non-nodulated legumes and for wheat, 22:6765
  - Some uses of isotopes in metabolic studies with soil micro-organisms, 24:36694
- NICHOLAS, F. M. Angular correlation measurements in ^{48}Ti, 23:34752
  - Spin assignments and decay modes of low-lying states in ^{42}Sc, 23:13249
- NICHOLAS, J. Fate of trapped recoil atoms in heterogeneous reaction systems, 21:42994
- NICHOLAS, J. B. A radiochemical experiment in gas chromatography, 21:5978
  - Effect of moderators on isomeric-transition-induced reaction of ^{82}Br with methane, 21:17697
  - Isomeric-transition induced ^{82}Br reactions with CH_4 and CD_4, 22:16565 (COO-1617-10, pp 8-36)
- NICHOLAS, J. Blair Interactions of positrons with defects in sodium chloride crystals, 25:43453
  - Nature of (n,γ) and (I.T.)-activated Br reactions in liquid isomers of hexane, 21:4584
  - Nature of isomeric-transition-induced ^{82}Br reactions with CH_4 and CD_4, 22:33443
- NICHOLAS, J. V. Luminescence of hexavalent U in CaF_2 and SrF_2 powders, 21:25847
- NICHOLAS, John Reactions of carbon atoms and methyane (CH) with hydrogen and ethylene, 22:2108
- NICHOLAS, M. Dihedral angles of uranium inclusions in hypostoichiometric uranium carbide, 22:41068
  - Estimate of the surface energies of some metal carbides, 24:8182 (AERE-M-2247)
  - Influence of O_2 on wetting and bonding in Cu—W system, 21:39568
- NICHOLAS, M. G. Grain-boundary grooving of UC, 25:16583
  - Ratio of grain boundary to surface energy for uranium carbide, 22:19661
  - Surface and interfacial energies of the uranium—uranium carbide system, 25:22097
  - Surface energies of solid Mo, Nb, Ta, and W, 24:10075
  - Wetting of uranium carbide, 21:16644
- NICHOLAS, M. L. Reaction anti pp → antiΛΛ, 24:13078
  - Spin correlations in anti pp → anti ΛΛ at 2.19 GeV/c, 24:12935
- NICHOLAS, R. C. Irradiation of cultured mushrooms, 23:20452
  - Irradiation of fruits and vegetables, 23:18162 (CONF-681006-, pp 127-33)
  - Irradiation of fruits and vegetables, 4/66—12/70, 25:46882 (COO-1592-37)
  - Prog. rpt. on irradiation of fruits and vegetables, 4/16/66—4/15/67, 22:17061 (COO-1592-10-A)
  - Prog. rpt. on irradiation of fruits and vegetables, annual, 4/16/66—4/15/67, 22:33994 (COO-1592-25)
  - Prog. rpt. on irradiation of fruits and vegetables, annual, 4/16/67—4/15/68, 24:931 (COO-1592-35)
  - Prog. rpt. on irradiation preservation of fresh-water fish and inland fruits and vegetables, final, 8/66, 21:6739 (COO-1283-40)
  - Role of calcium in softening and refirming irradiated plant tissues, 24:48787
- NICHOLIS, I. R. Wave functions for nuclear-structure calculations, 24:13426
- NICHOLLS, A. B. Initial radiation spectra definition, 21:33500 (R-OU-246)
- NICHOLLS, B. Film thickness measurement in annular two-phase flow using a fluorescence spectrometer technique. II, 23:45456 (AERE-R-4506)
- NICHOLLS, D. C. Local spiral-arm magnetic field, 22:52467
  - Night airglow hydroxyl rotational temperatures, 24:45160
- NICHOLLS, G. D. Mass spectrographic determinations of lanthanide element contents in basalts, 23:26162
- NICHOLLS, G. L. Radiofrequency beam dynamics in CEA storage experiment, 22:32330 (CEAL-2000, pp A79-82)
  - Rf beam dynamics in the CEA storage experiment, 22:5682 (CEAL-1037)
- NICHOLLS, Gilbert 200 kW amplifier utilizing four uhf TV klystrons, 25:50337
- NICHOLLS, I. R. Neutron tunnelling cross sections, 25:31419
  - New approximation to the Bethe—Goldstone wave function, 24:43543
  - Solution of the Bethe—Goldstone equation in a shell model basis, 25:1774
- NICHOLLS, J. E. ESR studies of intrinsic and impurity defects in silica and germania, 25:59174
- NICHOLLS, J. P. Calculated thermal neutron flux spectra inside a water annulus, 24:2012 (AECL-3364)
- NICHOLLS, N. S. Compact 70MW, 250kV modulator using thyratrons, 21:38027
- NICHOLLS, P. Polarisations of Cu(II) and uranyl electronic spectra of meta-zeunerite single crystals, 23:13726
- NICHOLLS, R. W. Axial and radial temperature profiles in a weakly ionized argon jet, 24:51631
  - Emissivities and transition probabilities of diatomic molecules in optically thick hot gases, 21:33125
  - Franck—Condon factors and r centroids for band systems of ZrO, 21:31238
  - Resonance fluorescence of the CN free radical, 24:23664
- NICHOLLS, Thomas Cooper Improvements relating to servicing tools for nuclear reactors, 24:9169
- NICHOLLS, Thomas H. Barred owl habitat use as determined by radiotelemetry, 25:51277 (COO-1332-67)
- NICHOLS, A. L. Europium-151 Moessbauer spectroscopic studies of after effects of electron-capture decay of ^{151}Gd, 25:25264
- NICHOLS, C. E. Operation of a transuranic storage area at NRTS, 25:54965 (CONF-710401-, pp 365-8)
  - Permeation of iodine through human epidermis, 24:23086 (IN-1345)
- NICHOLS, C. W. Jr. Adenoma in rat pituitary glands after x irradiation of thyroid gland, 21:3444

  - Carcinogenic effect of irradiation: low doses of radioactive iodine on the thyroid gland of the rat and mouse, 22:43450
  - Pituitary cytology of rats with Leydig-cell tumors induced by low-level testicular irradiation, 24:48700
- NICHOLS, Charles R. Prog. rpt. on boiling heat transfer with electrical field, final, 2/66, 21:32311 (NYO-2404-76)
  - Semi-theoretical equation for predicting burnout for single-rod and multi-rod experiments, 21:1218 (CONF-660606-38)
- NICHOLS, Clarence W. Medullary thyroid carcinoma and parathyroid hyperplasia in rats, 24:32218
- NICHOLS, Clarence W. Jr. Leydig-cell tumors in rat testes, 24:9942
- NICHOLS, D. B. New thick-target technique for charged-particle radiative capture studies, 22:24832
  - Ohio State Univ.—IBM 1800 on-line system, 24:8769 (CONF-690301-, pp 326-32)
  - Possible role of isobaric analog states in ^{56}Fe(p,p'), 24:40593
  - Reaction mechanisms in ^{56}Fe(p,p') from 5 to 6 MeV, 23:52137
- NICHOLS, D. C. Radiological protection in a tritium separations facility, 21:20168 (DPSPU-65-30-31)
- NICHOLS, D. K. Calculation of density of defects from gamma irradiation, 21:45143 (N-67-18358)
  - Computerized model for response of devices to a pulse of ionizing radiation, 21:34557
  - Computerized model for response of transistors to a pulse of ionizing radiation, 22:12726
  - Prog. rpt. on radiation effects on Si solar cells, 5/16—10/15/63, 21:12739 (N-66-24989)
  - Theory of transient electrical effects in irradiated insulators, 21:6381
- NICHOLS, Davis B. Cross sections of ^{35} ^{37}Cl(n,n'γ) reactions, 21:2659
  - Differential cross sections of the ^{39} ^{41}K(n,n'γ) reactions, 22:20556
- NICHOLS, Davis Betz Cross sections of (n,n'γ) reactions in Cl and K, 25:17814
- NICHOLS, F. A. Behavior of gaseous fission products in oxide fuel elements, 21:5017 (WAPD-TM-570)
  - Creep of Zircaloy during neutron irradiation, 23:22613
  - Creep properties of Zircaloy during neutron irradiation, 22:36512 (WAPD-TM-756)
  - Dislocation climb and irradiation, 24:25756
  - Influence of stress interaction effects upon pore motion in solids, 24:32427
  - Influence of stress interaction effects upon pore motion in solids, 25:24565
  - Interaction of fission-gas bubbles with structural defects and release from nuclear fuels, 23:4471
  - Kinetics of diffusional motion of pores in solids, 23:33969
  - Mechanisms of irradiation creep in zirconium-base alloys, 24:6233
  - Mechanisms of irradiation creep in zirconium-base alloys, 24:51188
  - Movement of pores in solids, 23:10280
  - Pore migration in ceramic fuel elements, 22:4802
  - Pore migration in ceramic fuel elements, 22:38631
  - Release of fission gas from operating oxide fuel rods, 24:33547
  - Review of mechanisms for swelling and gas release of oxide fuel rods. (LWBR development program), 25:782 (WAPD-TM-980)
  - Statistical fuel swelling and fission gas release model, 24:46132
  - Swelling and gas release models for oxide fuels, 25:32796
  - Theory of columnar grain growth and central void formation in oxide fuel rods, 21:24846
  - Theory of grain growth in porous compacts, 21:9239
  - Theory of the sintering of wires by surface diffusion, 21:22851 (WAPD-T-1965)
- NICHOLS, G. E. Hole detection in polymer films and in plastic track detectors, 23:17758
  - Sea-level search for cosmic magnetic monopoles, 25:45639
  - Trans-iron nuclei in the primary cosmic radiation, 23:41994
- NICHOLS, H. H. Evaluation of CdTe as an integral gamma-ray counter, 24:44262
  - Evaluation of some large area silicon junction detectors for cryogenic applications, 23:38266
- NICHOLS, H. R. Development of oxidation-resistant hafnium alloys, 25:52295 (AD-720724)
- NICHOLS, J. P. Analysis of energy storage and its effects in the proposed national radioactive waste repository, 25:37563 (ORNL-TM-3403)
  - Brayton-cycle radioisotope heat source design, Phase I, 21:36261 (ORNL-TM-1691(Del.))
  - Brayton-cycle radioisotope heat-source design, Phase II, 21:36262 (ORNL-TM-1829)
  - Expansion planning of nuclear power generation systems, 24:33180
  - Expansion planning of the fuel reprocessing industry, 24:31466
  - Fuel reprocessing plant containment, 24:5721
  - Oak Ridge systems analysis code (ORSAC) User's manual, 25:36886 (ORNL-TM-3223)
  - Operating experience in a facility utilizing soluble neutron absorbers for storage of fissile solution, 24:5862
  - Penetrating radiation dose rates and shield requirements in fabrication of fuels containing ^{233}U and high exposure Pu, 24:30003 (CONF-700502-, pp 74-84)
  - Program for calculating optimum dimensions of alpha radioisotope capsules, 21:22104 (ORNL-TM-1735)
  - Prospects of transuranium isotopes as neutron sources, 23:13178 (CONF-671111-, pp 545-58)
  - Receipt and analysis of the Consolidated Edison uranium product solution, and subsequent storage utilizing soluble neutron absorbers, 25:44569 (ORNL-TM-3348)
- NICHOLS, J. R. Encapsulation of plutonium and other radioactive materials in welded containers, 22:43540 (LA-3937)
- NICHOLS, Jere P. Design data for ^{252}Cf neutron source experiments, 22:29839
- NICHOLS, Julian C. Nuclear reactor thermoelectric power plant, 25:20694
- NICHOLS, K. D. Prospects for U enrichment, 24:16799
- NICHOLS, L. L. Fluorescence of liquid benzene under proton and electron impact, 24:31358
  - Hanford thermoluminescent multipurpose dosimeter, 25:46642 (BNWL-SA-3955)
  - Luminescence kinetics following pulsed proton irradiation, 23:49817 (BNWL-1051(Pt.2), pp 204-5)
  - Optical lifetime measurements using positive ion Van de Graaff accelerator, 22:13221
  - Radiation dosimetry, 24:48537 (BNWL-1307(Pt.2), pp 50-1)
  - Radiation physics, 24:49014 (BNWL-1307(Pt.2), pp 52-4)
  - Time resolved emission spectroscopy of aromatic molecules, 25:6345 (BNWL-SA-3526)
- NICHOLS, Lester D. Closed-form approximate solutions to the oscillatory plasma continuity equations, 24:28342 (N-70-17635)
  - Comparison of Brayton and Rankine cycle magnetogasdynamic space—power generation systems, 23:30381 (N-69-20852)
  - Conductivity of an impure, nonequilibrium plasma with electrothermal instabilities, 24:30347
  - Design and operation of magnetohydrodynamic generator facility, 23:20739 (N-68-37259)
  - Effect of electrothermal instabilities on Brayton- and Rankine-cycle magnetohydrodynamic space-power generation systems, 24:8371 (N-69-37883)
  - MHD generator cathodes emitting in a spot mode, 24:3217 (N-69-35732)
  - Results obtained in NASA closed-cycle MHD power generation experiments, 25:49774 (N-71-23932)
- NICHOLS, Lowell L. Measurement of ^{10}B(n,α)^{7}Li, ^{7}Li* relative cross sections in keV region, 23:19178
  - Measurement of the ^{10}B(n,α)^{7}Li, ^{7*}Li relative cross sections in keV region, 23:17074 (N-68-33763)
- NICHOLS, M. C. Computer detected errors in ASTM x-ray powder diffraction file, 24:29944 (SCL-DR-70-48)
- NICHOLS, Monte C. Graphical representations of selected functions of interplanar spacings for 5184 inorganic x-ray powder diffraction patterns, 21:4438 (UCRL-50115)
- NICHOLS, P. F. Hazards report for modified HTGR critical facility, 21:14071 (GA-6452(Rev.2))
  - Neutron cross sections for ^{231}Pa, ^{233}Pa, and ^{233}U, 22:16001 (GA-7462)
  - Neutron cross sections for ^{234}U and ^{236}U, 22:16003 (GA-8135)
  - Null reactivity measurements of multiplication characteristics for HTGCR cores, 21:7872 (GAMD-7230)
- NICHOLS, R. C. Siting and licensing considerations, 22:16225
- NICHOLS, R. W. Aspects of materials technology of importance to development of nuclear reactors, 22:47660 (CONF-671007-2)
  - Behavior of 9 percent nickel steel in a reactor environment, 21:20547
  - Behavior of 9 percent nickel steel in reactor environment, 22:2671
  - Effect of irradiation on steels used in pressure vessels, 23:10243
  - Engineering implications of neutron-irradiation embrittlement of reactor pressure vessels, 25:39351
  - Implications of embrittlement during the life of a zirconium pressure tube reactor, 21:14868
  - Implications of embrittlement during the life of a zirconium pressure tube reactor, 22:21728
  - Irradiation effects in zirconium alloy pressure tubes, 25:52391 (A/CONF.49/P-502)
  - Operational characteristics of gas-cooled reactors fueled with coated particles, 23:37553
  - Pressure tube materials for SGHWRs, 23:13397
  - Pressure vessel engineering technology, 25:23277
  - Pressure vessel engineering technology, 25:49346
  - Pressure-vessel research and development work in the U. K. and Europe, 25:22071
  - Reheat cracking in welded structures, 25:40015 (IAEA-117, Paper 5)
  - Some aspects of vessels for special purposes. B, 25:49493
  - Some comments on engineering aspects of irradiation embrittlement, 25:40065 (IAEA-117, Paper 2a)
  - Strength of Zr—2 1/2 percent Nb alloy, 23:33983
  - The use of critical crack opening displacement techniques for the selection of fracture resistant materials, 24:17284
  - Use of critical crack opening displacement techniques for the selection of fracture resistant materials, 25:40014 (IAEA-117, Paper 4)
  - Welding for nuclear power, 23:48372
- NICHOLS, Richard T. Thermoelectric generators PP-6074 ( )/U and PP-6075 ( )/U, 23:30376 (AD-682722)
- NICHOLS, Ronald William Improvements in or relating to nuclear reactors, 25:51118
  - Improvements in or relating to nuclear reactors, 25:54080
  - Improvements in or relating to nuclear reactors, 25:60074
- NICHOLS, Roy Woodward Method of heat-treating welded steel pressure vessels, 22:49736
- NICHOLS, Warren W. Somatic mutation in mammalian cells, 24:34248
- NICHOLSON, D. S. Separation of ilmenite, zircon, and monazite from Westport beach sands, 22:12425
- NICHOLSON, E. L. Engineering development of MSBR fuel recycle, 24:11199
- NICHOLSON, Frank David Nuclear reactors, 25:20714
- NICHOLSON, G. A. Plant application of nuclear criticality prevention principles, 24:50535 (ARH-SA-71)
- NICHOLSON, H. Anti pp backward elastic scattering from 0.7 to 2.16 GeV/c, 23:44591
  - Comparison of antipp annihilations and πp and Kp backward elastic scattering using crossing relations, 23:46721
  - Detailed structure of the reactions in antipp $\rightarrow$ $\pi^+\pi^-$ and antipp $\rightarrow$ K^+K^- from 0.7 to 2.4 GeV/c, 23:44593
- NICHOLSON, H. M. Current safety assessment techniques, 24:50171
- NICHOLSON, H. W. Anti pp annihilation into π^+rho at small angles between 1 and 2 GeV/c, 25:33544
  - Antiproton—proton forward charge-exchange scattering, 25:9644
- NICHOLSON, J. C. Procedures used in the calibration of accounting tanks, 25:358 (PG-Report-991)
- NICHOLSON, J. E. Behaviour of a self-interacting, multiply connected superconducting circuit, 24:35329
- NICHOLSON, J. P. Determination of neutron—neutron scattering length from reaction $\pi^- + d \rightarrow 2n + \gamma$, 22:50300
  - Electron-density profiles of a theta-pinched plasma by holographic interferometry, 24:47204
  - Neutron—neutron scattering length from the reaction $\pi^- + d \rightarrow 2n + \gamma$, 22:44333
- NICHOLSON, J. R. Evidence for an isotope effect on electron drift mobilities in anthracene crystals, 24:38889
- NICHOLSON, James O. Preparation and use of RDT standards for LMFBR program, 24:45998
- NICHOLSON, Jean L. Cell pyknosis in the cerebellar cortex of infant rats following low-level x-irradiation, 25:44909
- NICHOLSON, M. Computer programs for calculation of liquid-scintillation data, 25:18693
- NICHOLSON, M. M. Prog. rpt. on radiation effects of Ag and Zr battery electrodes, final, 4/65—10/66, 21:43645 (N-67-23280)
  - Prog. rpt. on radiation effects on Ag and Zn battery electrodes, 10/65—1/66, 21:1919 (N-66-23762)
  - Prog. rpt. on radiation effects on Ag and Zn electrodes, V, 4-7/66, 21:24276 (N-67-11722)
  - Prog. rpt. on radiation effects on cells, final, 6-8/66, 21:24277 (N-67-11732)
  - Radiation effects on silver and zinc battery electrodes. IV, 21:9200 (N-66-27530)
- NICHOLSON, P. S. Chemical vapor deposited tungsten: mechanical evaluation at high temperatures, 25:55440
- NICHOLSON, P. W. Indicator for ion beam cross-section, 22:44557
  - Liquid activation dosimetry system for 14.7 MeV neutrons, 24:23028
  - Total cross sections for 14.7-MeV neutrons, 22:44649
- NICHOLSON, Patrick S. Influence of reduction on estimation of the ZrO_2 tetragonal-cubic transformation temperature, 25:24654
  - Ionic conductivity of partially stabilized zirconia, 25:40117
  - Possible contribution of diffusive grain-boundary pore growth to creep deformation of ceramic materials, 25:4848
  - Quantitative differential thermal analysis.., 21:17611 (UCRL-16418)
- NICHOLSON, Patrick Stephen Differential thermal calorimetric determination of the thermodynamic properties of kaolinite, 21:47047 (UCRL-17820)
- NICHOLSON, R. B. Bilinear weighting of cross sections for group collapsing and cell homogenization in transport calculations, 24:7273
  - Doppler effect in fast reactors, 22:20852
  - Doppler effect measurements and analysis in ZPR-3 Assembly-50, 22:33037
  - EBR-II feedback function, 23:9130 (ANL-7476)
  - Electron microscope investigation of the high-temperature embrittlement of irradiated stainless steels, 21:13222
  - High temperature embrittlement of metals by rare gas bubbles, 23:39004 (AECL-3331)
  - Hypothetical accident analysis for fast test reactor, 21:34152 (APDA-194)
  - Maximum accident of zoned fast reactors, 23:4283
  - Numerical stability problems in the VENUS disassembly code, 25:57079 (CONF-710302-(Vol.1), pp 152-66)
  - Safety considerations in Enrico Fermi reactor design, 22:46963
  - Sensitivity study for fast reactor disassembly calculations, 25:41492
  - Testing of heterogeneity methods used in fast reactor critical analyses, 24:33549
- NICHOLSON, Richard B. Effect of heterogeneity on activation Doppler experiments, 21:35683 (ANL-7320, pp 386-92)
- NICHOLSON, Richard S. Polarographic theory, instrumentation, and methodology, 24:26954
- NICHOLSON, Thomas Galaxies, quasars, and the expanding universe, 21:39765
- NICHOLSON, W. L. Unfolding particle size distributions, 21:30991 (BNWL-210)
  - What can be detected, 21:34210 (BNWL-SA-1121)
- NICHOLSON, Wendell E. ACTH radioimmunoassay, 23:11954 (CONF-671111-, pp 251-72)
- NICHOLSON-FLORENCE, M. B. Intensity dependence of free—free absorption, 25:47537
  - Intensity dependence of the inverse bremsstrahlung absorption coefficient in hot plasmas, 22:48120
- NICHPARENKO, Sue Infrasonic waves and auroral activity, 21:31326
- NICHT, Manfred Dose distribution in swine under whole-body x-irradiation, 22:23532
  - Studies on radiation distribution in rats, phantoms of rats, guinea pigs, and rabbits after whole-body x radiation by means of lithium fluoride thermoluminescence dosimetry, 22:40723
  - Use of thermoluminescence dosimetry in radiobiological experiments, 21:45654
- NICKEL, B. G. Binding-energy calculations for finite nuclei, 21:46797

Pair effects in random lattices; a generalized c.p.a. and its equivalence to diagrammatic expansions, 25:46386 (NYO-3699-58)
NICKEL, Bernie G. Validity of the Boltzmann equation for systems with both electron—phonon and impurity scattering, 25:44273 (NYO-3699-56)
NICKEL, Curtis A. Chromosomal translocation heterozygotes in the house fly, 24:36738
NICKEL, G. H. Multidimensional magnetohydrodynamic shock calculations, 25:56192
NICKEL, George H. Maintenance of solar differential rotation, 24:10321
NICKEL, George Herman Eddy transport maintenance of solar differential rotation, 21:41697 (UCRL-50224)
Eddy transport maintenance of solar differential rotation, 22:2769
NICKEL, H. Coating of fuel element particles by propene pyrolysis in 1-inch and 2-inch fluidized bed, 25:16561 (JUL-686-RW)
Coating of spherical $(U,Th)O_2$ particles with pyrolytic carbon by methane decomposition in 1-inch fluidized bed, 24:8170 (JUL-615-RW)
Consideration on ideality of UC—UN solid solutions, 24:44797
Consolidation of coated fuel particles with pyrolytic carbon or silicon carbide, 24:42209
Determination of nitrogen in high-temperature resistant metal nitrides and carbonitrides, 24:4227
Determination of oxygen in uranium carbide according to a new bathless carrier method, 21:1279
Determination of the O—U ratios in superstoichiometric UO/sub 2 + x/, 21:15847
Development of coated fuel particles, 25:24621 (JUL-687-RW)
Direct determination of traces in highly purified graphites, 24:4226
Formation of U_2C_3, 23:1029
High temperature volatilization of neodymium from thorium carbide particles, 22:141 (JUL-502-RG-RW)
Incorporation of solid fission products in spherical nuclear fuel model particles by a sol-gel method, 25:22146
Investigation of the production of spherical fuel particles by a sol-gel process, 23:39020 (JUL-583-RW)
Investigations on preparation of UO_2 microspheres by internal gelation of UO_2 sol and from U(VI) solution, 24:30024 (CONF-700502-, pp 551-66)
Laboratory studies of surface tension processes for preparation of UO_2 microspheres at KFA, 24:30013 (CONF-700502-, pp 239-43)
Nitrogen determination in ceramic uranium compounds, 21:17574
Nitrogen determination in ceramic uranium compounds, 22:50904 (NP-tr-1687)
Oxygen determination in carbide and oxide compounds of U, 24:4210
Rotating disc electrodes and their influence on spectrochemical analysis in solution, 23:34979
System U—Zr—C, 23:1056
Use of activation analysis in the metal and steel industries, 23:28755
Use of B compounds in gas cooled high temperature reactors. II, 21:30291
Use of boron compounds in gas-cooled high-temperature reactors. I, 21:18326
NICKEL, Hubertus Absorber element for nuclear reactors, 25:52435
Contribution to the zirconium—carbon system, 23:8332
NICKEL, J. C. Effects of electron-density fluctuations on plasma-column resonances, 22:48133
NICKELL, Robert E. Application of the finite element method to heat conduction analysis, 21:10541
NICKELS, Robert J. Beta-neutrino correlations and recoil nuclear alignment effects in light delayed particle emitters, 25:28210 (CERN-70-30(Vol.1), pp 447-55)
NICKERSON, Bruce G. Density of intergalactic dust, 25:52595
NICKERSON, J. C. Physical properties of SmB_6, 25:22633
NICKERSON, J. Charles Theory of susceptibility of CeB_6, 23:30647
NICKERSON, J. T. R. Effect of γ rays on bacteria, 23:18135 (CONF-681006-, pp 231-4)
Effect of γ rays on marine finfish fillets inoculated with type E Cl. botulinum, 23:18155 (CONF-681006-, pp 67-71)
Effect of γ rays on marine finfish fillets inoculated with type E, Clostridium botulinum, 24:39595 (MIT-3343-31)
Effect of repeated irradiation on Salmonella, 24:6154
Effect of repeated treatment with gamma rays on radio-resistance, virulence, and culture characteristics of certain pathogenic bacteria, 23:24768 (MIT-3325-40)
Effect of repeated treatment with γ rays on the radio-resistance virulence and culture characteristics of certain pathogenic and related bacteria, 21:26685 (TID-23707)
Elimination of Salmonella in poultry with ionizing radiation, 24:34826
Inactivation of Salmonella in poultry with gamma radiation, 24:48759
Observations on radio-pasteurized meats after 12 years of storage at refrigerator temperatures above freezing, 21:28707
Prog. rpt. on effect of gamma rays on perch inoculated with Cl. botulinum, annual, 6/66—6/67, 22:17062 (MIT-3343-28)
Prog. rpt. on effect of gamma rays on haddock and clams inoculated with Cl. botulinum, 1965, 23:29917 (MIT-3325-22)
Prog. rpt. on toxin production by C. botulinum in irradiated and nonirradiated seafood, 1969, 23:50962 (MIT-4049-1)
Proposed method for testing the possibility of a botulism hazard in radiation-pasteurized fish, 25:16395
Radiation resistance in Salmonella cultures, 23:41506
Radiosensitivity of Newcastle disease virus, 24:25609
Recovery of salmonellae from irradiated and unirradiated foods, 25:13620
Toxin production by naturally occurring levels of Clostridium botulinum in irradiated and nonirradiated seafood, 24:21331 (MIT-4049-2)
Toxin production by naturally occurring levels of Clostridium botulinum in irradiated and nonirradiated seafood, 25:16391 (MIT-4049-2)
Treatment of poultry with ionizing radiations to destroy salmonellae, 23:6626 (MIT-3727-5)
Treatment of poultry with ionizing radiations to destroy Salmonellae, 23:18169 (CONF-681006-, pp 185-8)
Treatment of poultry with ionizing radiations to destroy salmonellae, 23:24780 (TID-24887)
NICKERSON, John T. R. Prog. rpt. on effect of gamma rays on haddock and clams inoculated with Cl. botulinum, 1—12/64, 23:29927 (TID-24885)
NICKERSON, R. A. Wave propagation theory for ultrasonic testing, 25:44307 (UCRL-73184)
NICKERSON, R. F. Electron probe microanalysis of the plutonium—lead alloy system, 23:46077
NICKERSON, Robert F. Electron probe microanalysis of the plutonium—lead alloy system, 23:6691 (UCRL-50509)
NICKERSON III, John Charles Crystal field effects in rare earth hexaborides, 25:52955
NICKL, J. Single crystals of the compounds HfCuSi and $ThCu_2Si_2$, 21:31043
Single crystals of the ternary compounds TiCuSi and ZrCuSi, 21:16657
NICKL, Julius J. Non-crucible melting procedure: stippling method, 24:17233 (SC-T-70-4008)
Unidirectional solidification of Cu—ZrCuSi alloys, 24:19453
NICKLE, H. H. Comment on "positron focusing in an accelerating field", 21:37117
Elementary derivation of intermediate-coupling and strong-coupling mass formulas for the nonrelativistic Lee model, 23:23481
Extended Lee model, 24:8622
Strong-coupling solution of the Bronzan—Lee model, 23:42651
Two-level system coupled to a Bose gas with an Einstein spectrum, 23:23314
NICKLE, M. H. Approximate solution of the nonrelativistic Lee model in all sectors, 23:23451
NICKLE, Neil L. Balanced filters for analysis of Al, Si, K, Ca, Fe, and Ni, 22:1957 (ORNL-IIC-10(Vol.1), pp 336-55)
NICKLES, R. J. Beta-neutrino correlations and longitudinal nuclear alignment in the decay of ^{20}Na, 25:25692
One- and two-nucleon transfer reactions induced by ^{16}O ions incident on the even Zr isotopes, 25:46024
Some lifetimes in the A = 15 to 25 mass range, 23:49345
NICKLES, Robert Jerome Reaction $^{40}A(p,\gamma)^{41}K$ at 1.1-MeV isobaric analogue resonance, 23:13255
NICKLESS, G. Thiazolylazo dyestuffs as coordinating ligands. I, 21:34267
NICKLIN, Alan William Improvements in radiation pyrometers, 25:15978
NICKLIN, Robert Clair Analysis of electron spin resonance spectra of the gadolinium ion in soda silica glasses, 22:5412 (IS-T-203)
NICKLIN, T. Comparison of isothermal adsorption data by the technique of absolute adsorption, 25:48515
Effect of uranium on catalysts containing metals of group VIII of the periodic system, 21:5856
NICKLIN, Thomas Carbon deposition on nickel—uranium—alpha-alumina catalysts, 23:173
NICKLING, H. Lymphographic findings of lymph node involvement in sarcoidosis and tuberculosis, 21:20292
NICKLOW, R. M. Lattice dynamics of holmium, 25:17301
Lattice dynamics of terbium, 24:35567
On-line computer-controlled triple-axis neutron spectrometers, 24:9679
Spin-wave dispersion relation for Er metal at 4.5°K, 25:47619
Spin-wave dispersion relation for holmium in the spiral magnetic phase, 23:30650
Spin-wave dispersion relation in dysprosium metal, 25:14444
Spin-wave dispersion relation in rare-earth metals, 25:27888
NICKOLA, P. W. Advancements in capabilities of the Hanford inert gas tracer system for field diffusion studies, 25:48641 (BNWL-1551(Vol.2)(Pt.1), pp 117-20)
Atmospheric tracer technique employing ^{85}Kr and use of this technique in defining puff dimensions and transport speed, 25:54908
Automatic real time air monitoring of ^{85}Kr utilizing the 4096 memory of a multiparameter analyzer, 22:28082
Automatic real-time air monitoring of ^{85}Kr utilizing the 4096 memory of a multiparameter analyzer, 23:9554 (BNWL-715-3, pp 58-62)
Comparison of maximum exposures at ground level resulting from simultaneous release of tracers from elevations of 2 and 26 meters, 25:48639 (BNWL-1551(Vol.2)(Pt.1), pp 108-12)
Comparison of maximum exposures at ground level resulting from simultaneous release of tracers from elevations of 2 and 26 meters, 25:56395 (BNWL-1551(Vol.2)(Pt.1), pp 108-12)
Detailed time-histories of concentrations resulting from puff and short-period releases of inert radioactive gas, 24:22785 (BNWL-1272)
Effect of source height and stability on atmospheric exposure, 24:14070 (BNWL-1051(Pt.1), pp 1-4)
Effects of source height and stability on plume centerline exposure, 24:39047 (BNWL-1307(Pt.1), pp 2-6)
Instantaneous plume detection, 22:18953 (BNWL-481-1, pp 33-43)
Measurement of particulate plume depletion in the atmosphere, 23:9556 (BNWL-715-3, pp 65-73)
Measurements of the movement, concentration, and dimensions of instantaneously generated puffs of an inert gas tracer, 25:48640 (BNWL-1551(Vol.2)(Pt.1), pp 112-16)
Measurements of the transport speed and physical dimensions of a diffusing puff of a gaseous tracer in the atmosphere, 24:39049 (BNWL-1307(Pt.1), pp 10-14)
Mountain Iron Diffusion Program: South Vandenberg: I, 22:12159 (BNWL-572(Vol.1))
Real time histories of diffusing plumes and puffs determined from use of an inert gas tracer system, 24:39048 (BNWL-1307(Pt.1), pp 6-10)
Real time sampling of airborne tracer with aircraft, 22:18955 (BNWL-481-1, pp 53-68)
Real time sampling of zinc sulfide tracer in diffusion studies, 21:41016 (BNWL-SA-1407)
Real time sampling of zinc sulfide tracer in diffusion studies, 23:9550 (BNWL-715-3, pp 1-12)
Short period atmospheric concentrations resulting from near ground level tracer releases over rough terrain, 24:39050 (BNWL-1307(Pt.1), pp 15-18)
NICKOLLS, J. GRASS: remote facilities guide, 25:51281 (COO-1469-188)
NICKON, A. γ-deuterium isotope effects on solvolyses of norbornyl brosylates, 21:19645
NICKS, R. Accuracy of different shielding codes, 23:33122
Attenuation of monoenergetic source neutrons in different shielding materials, 25:3173
Neutron propagation through straight and bent cylindrical ducts, 23:13465 (AERE-R-5773(Vol.3), pp 657-709)
SABINE: one-dimensional shielding program which employs experimental removal cross sections, 23:13450 (AERE-R-5773(Vol.1), pp 5-40)
Today's approaches to reactor shielding problems, 25:46251
NICKSON, J. J. Electron-beam technique and skin reaction of postoperative irradiation of axilla and supraclavicular nodes in breast carcinoma, 24:32138
Temperature effect on skin erythema, 21:4880
NICKSON, James J. Late consequences of early skin reactions, 24:34738
NICOARA, Z. Low x-ray doses on central nervous system, 23:8071
NICOD, Alfred Richard Eugene Improvements in radiation pyrometers, 25:15978
NICODEME, Nicole Performance and areas of application of new radiophotoluminescent glasses, 23:16162 (CEA-CONF-1099)
NICODEME-GERARD, N. Control of enrichment of U in ^{235}U by means of tracks produced by alpha particles in cellulose nitrate, 25:32057
NICODEMI, F. Allowed spectrum in dual-resonance models, 25:5428
Current algebras, theory, and applications, 22:13767
Current commutators and mass extrapolations, theory, and applications, 22:44441
Gage invariance and Regge-pole sum rules for pion photoproduction, 21:27336
Photopion production from nucleons, 22:9550
NICODEMI, Francesco Current commutators and mass extrapolations theory and applications, 22:39330
NICODEMI, W. Effect of Cr and Mo on isothermal formation of pearlite, 22:636
Effects of first tempering temperature on brittleness of steel, 22:31378
NICOL, Gerard Thermal measurements taken during startup of Rapsodie, 22:1872
NICOL, James Miller Removing lugs of fuel element cans, 24:53009
NICOL, K. Energy dependence of electron collision frequency on electrical conductivity of weakly ionized plasmas, 25:14308
NICOL, M. High-pressure Raman spectra of hexagonal zinc sulfide, 24:43914 (UCLA-34-P-88-28(Rev.))
NICOL, M. F. Prog. rpt. on intra- and inter-molecular energy transfer studies, 5/70—5/71, 25:54600 (UCLA-34-P-88-32)
NICOL, Malcolm Laser Raman spectroscopy of α-quartz under high pressures, 24:41156 (UCLA-34-P-88-20(Rev.))
Vibrational Raman spectra of $CaMoO_4$ and $CaWO_4$ at high pressures, 25:48371 (CONF-700913-2)
NICOL, R. G. Engineering and maintenance problems in a fuel processing pilot plant using the volatility method, 21:4593 (ORNL-P-2409)
Engineering and maintenance problems in a fuel processing pilot plant using the volatility method, 21:6111
Molten-Salt Fluoride Volatility Pilot Plant: equipment performance during processing of aluminum-clad fuel elements, 22:40292 (ORNL-4251)
Operating experience in a facility utilizing soluble neutron absorbers for storage of fissile solution, 24:5862
Receipt and analysis of the Consolidated Edison uranium product solution, and subsequent storage utilizing soluble neutron absorbers, 25:44569 (ORNL-TM-3348)
NICOLA, Michel Eigenvalues of two- and three-dimensional systems by matrix methods, 24:45394
NICOLAE, M. Characteristics of IFA EN3 nuclear emulsion, 24:46483
Charged-particle discrimination in nuclear emulsion, 24:48268
Determination of grain size distribution of nuclear emulsions, 24:14303
Personal dosimeter for neutrons, 22:43108 (IFA-PN-19)
Personal FD III dosimeter for mixed radiations, 24:48327
Recording and uses of α-particle tracks in cellulose nitrate, 25:26474
Use of dosimetric films for high and very high exposure measurement, 25:51909
NICOLAE, Marieta Personal dosimeter for neutrons, 23:17810

  - Photographic dosimetry of γ rays with the FD-I dosimeter, 22:19170
- NICOLAENKO, B. Analytic continuation and high frequency solutions of non-degenerate Boltzmann equations, 25:33369 (CONF-710107-, pp 115-35)
  - Cauchy integrals related to pulsed neutron dispersion relations, 24:8803 (ORO-3858-1, pp 76-119a)
  - Energy-dependent Boltzmann equation with fission and slowing-down kernels, 22:30374
  - Hilbert's paradox and low frequency solutions of non-degenerate Boltzmann equations, 25:33368 (CONF-710107-, pp 96-114)
  - Integral identity due to Ramanujan which occurs in neutron transport theory, 24:20310
  - Mathematical considerations on Cauchy integrals related to pulsed neutron dispersion relations, 23:25757 (BNL-13422)
  - Pseudo-mode solutions of initial-value problem obtained by analytic continuation, 23:23951 (BNL-13421)
  - Pseudo-mode solutions of initial-value problem obtained by analytic continuation: thermal and fast systems, 24:8802 (ORO-3858-1, pp 36-75)
  - Theory of pulse decay in subcritical fast systems with general cross sections, 24:7320
  - Time-behavior of pseudo-modes in subcritical fast systems described by exact elastic slowing down, 24:7313
  - Time-dependence of finite, subcritical fast multiplying assemblies, 23:4327
  - Unstable decay states of far subcritical fast assemblies, 23:37765
- NICOLAENKO, Basil Energy-dependent Boltzmann equation in fast domain, 24:20629
  - Energy-dependent neutron transport theory in the fast domain, 23:3899
- NICOLAI, Albert Gamma transitions in the theory of finite Fermi systems, 25:17983
- NICOLAI, B. Multishot and multichannel fast ejection, 23:28001
- NICOLAI, E. Pulse generator for a megavolt total charging voltage in a compact volume. I, 21:25373
  - Pulse generator for megavolt total charging voltage in compact volume. II, 23:23583
- NICOLAI, G. Elastic scattering of 28 MeV neutrons by deuterons, 24:38080
  - Liquid tritium target, 23:49264
- NICOLAI, J. Conversion of UF_4 into base materials, 23:39033
- NICOLAI, Leland M. Properties of high current free-burning arcs in air, 25:5093
  - Properties of magnetically balanced arcs, 23:48895
- NICOLAI, Leland Malcolm Analysis of convected balanced arc, 23:27619 (N-69-18041)
- NICOLAI, Rainer Energy losses of monochromatized 30-keV Li ions, 23:48736
- NICOLAIDE, Andrei Equations of magnetohydrodynamic machines, 21:15015
  - Magnetohydrodynamic generator with liquid metal, 21:15001
- NICOLAIDES, A. N. Iodine-125-labeled fibrinogen test adapted for routine screening for deep-vein thrombosis, 24:36784
- NICOLAIDES, Cleanthis Theory of atomic structure including electron correlation. IV, 25:52699
- NICOLAIDES, P. Use of radioisotopes for labeling refractory material used in foundry, 21:26062 (EUR-3169.f)
- NICOLAS, F. Hematologic and radio-isotopic study of primary hemosiderosis, 24:48596
- NICOLAS, K. R. Solar UV flash spectrum, 1400 to 1960 A, 24:37120
- NICOLAS, M. Experiments on confinement of a plasma in a circular magnetic well, DECA II B, 25:38360 (CONF-710607-88)
  - Plasma confinement in the DECA II B circularized magnetic well, 25:58958 (CEA-CONF-1807)
  - Plasma containment in a circularized quadrupolar magnetic well: DECA II B, 25:3053 (CEA-CONF-1597)
- NICOLAS, P. Multiparameter registration system designed for the study of three body reactions by the coincidence method, 23:16206
- NICOLAS, R. Correlation between radionuclide content of body and development of silicosis in miners, 21:43381
- NICOLAS-JARLETON, Jacques Determination of α UO_3, 24:11533
  - Determination of α—UO_3 in β—UO_3, 24:27032 (CEA-R-3958)
  - Effect of α UO_3 in production of UO_2 and UF_4 from β UO_3—0.05 H_2O, 25:10569 (CEA-R-4074)
- NICOLATO, A. Alterations in the pulmonary pleura of patients irradiated with 42 MeV betatrons, 25:32598
  - Betatron therapy of pulmonary neoplasms, 25:26874
  - Chromolipoid pigment in thymus of normal and irradiated rats, 23:9882
  - Electrocardiographic studies of patients irradiated on thorax with 42-MeV betatron, 25:21798
  - Mycroangiographic research on guinea-pig kidney after irradiation with 20-MeV electrons, 23:918
  - Rectosigmoid lesions secondary to high-energy radiation therapy, 24:34420
  - X radiation effects on small blood vessels in abdominal muscles of guinea pigs, 21:34783
- NICOLAU, C. T. Protection in acute radiation syndrome. I, 23:31822
- NICOLAU, Cl. Activity of 2-methyl-1, 4-naphthoquinone Na bisulfite (vitamin K3) on some redox enzymes, 21:4841
  - Electron paramagnetic resonance investigations of some irradiated unsaturated compounds, 22:16609
  - Experimental data on cysteine—copper interaction during radioprotection, 22:19387
  - Kinetic investigations on the influence of radiosensitizing vitamin K_3 on the haemoglobin-methaemoglobin equilibrium, 25:4598
  - Mechanism of chemical protection against radiation sickness, 21:4821
- NICOLAU, Claude EPR spectra of some gamma-irradiated N-substituted maleamic acids and maleimides, 23:223
  - Spin-transfer in molecular complexes of biomolecules with radiosensitizers, 21:41370
- NICOLAU, E. Reactivity of irradiated animals to toxic and non-toxic doses of pentetrazol and caffeine, 22:25914
- NICOLAU, Elena Dynamics of radiocalcium in the heart of the irradiated animal, 21:11095
  - Reaction of the autonomic nervous system to some biogenic amines and to nicotine, 21:4856
- NICOLAU, R. Influence of artificial radiation on mucous membrane of the lip, 23:29848
- NICOLE, Jacques Contribution to study of uranovanadates: precipitation, stability, and filiation, 23:37934 (CEA-R-3704)
  - Study of uranivanadates in aqueous solution, 25:15628
- NICOLE, P. P. Absorption cross sections, photoionization yields, and photoionization cross sections for several gases, 24:27029 (ANL-7615, pp 218-26)
- NICOLE, Paul P. Isotope effects in the photoionization yields and the absorption cross sections for ethylene and n-butane, 23:7532
  - Isotope effects in the photoionization yields and absorption cross sections of several gases, 24:31301 (ANL-7489, pp 105-15)
  - Isotope effects in the photoionization yields and the absorption cross sections for acetylene, propyne, and propene, 25:78
- NICOLESCU, B. Charge-exchange reactions in Regge-pole phenomenology, 25:19995
  - Derivation of Veneziano-type representation for two-body processes including baryons, 24:52102
  - Doubled rho Regge trajectory and positivity of $\pi\pi$ partial widths in dual-resonance model, 25:40980
  - Note on S-matrix theory of electromagnetic interactions, 22:20179
  - S-matrix theory of electromagnetic interactions, 23:36873
- NICOLESCU, Basarab Degeneracy and recurrence of Regge trajectories in Veneziano's model, 23:32708
  - p + antip → n + antin charge-exchange scattering, 21:42353
- NICOLESCU, Luciana Method for the photometric determination of cerium content in steel, 23:15793
- NICOLESCU, Simona Dash prominence, 22:31576
- NICOLET, M. Origin of nitric oxide in the terrestrial atmosphere, 24:45145
- NICOLET, M. A. Electrical properties of alkali implants in silicon, 25:19780
- NICOLETIS, C. Interstitial irradiation with ^{192}Ir in prevention of relapses after surgical removal of cheloid scars, 22:43376
- NICOLETOPOULOS, P. High-energy behavior of Feynman graphs and the eikonal approximation, 24:52219
  - Optical limit of relativistic scattering, 24:3787
  - Regge cuts and eikonal approximation in field theory. I, 25:41071
  - Regge cuts and eikonal approximation in field theory. II, 25:59579
- NICOLETTA, C. A. Ionization loss at relativistic velocities, 22:11575
- NICOLETTI, B. Cytogenetic analysis of reciprocal translocations between X and Y chromosomes of Drosophila melanogaster, 21:12826
  - Effects of ultraviolet radiation on mammalian cells cultured in vitro, 21:12822
  - Genetic control of recombination in Drosophila, 23:16273
- NICOLETTI, Benedetto Mutagenic action of uv-irradiated psoralen on Drosophila melanogaster, 22:47457
- NICOLETTI, F. Blood plasma dynamics of ^{131}I in various experimental conditions, 23:2782
- NICOLETTI, G. Bhabha scattering by e^+,e^- colliding beams, 24:47357 (LNF-70/38, pp 3-20)
- NICOLIN, A. Daunomycin influence on Ehrlich ascites cancer, 25:26990
- NICOLINI, J. Preparation and biological behavior of radioactive Au colloid protected by PVP, 23:9978 (CNEA-213)
- NICOLINI, J. O. Compounds of /sup 113m/In for hepatic scintillography and studies of circulatory system, 24:32051 (CNEA-259)
  - Determination of gold sol concentrations from spectrophotometric data, 21:23833
  - Indium-113m albumin macroaggregates for lung scintiscanning, 23:16255
  - Preparation and biological behavior of radiogold colloids stabilized with polyvinylpyrrolidone, 22:43352
- NICOLINI, Jorge O. Macroaggregates of human albumin labeled with /sup 113m/In for lung scintiscanning, 23:31831 (CNEA-237)
- NICOLINO, R. Inhibition of ribosomal RNA synthesis in x-irradiated HeLa cells, 25:26983
- NICOLIS, F. B. Effects of x irradiation on tryptophan pyrrolase and NAD, 24:9773
- NICOLIS, G. Variational study of the runaway instability in a two-component plasma, 21:15204
- NICOLIS, J. S. Group velocity of high amplitude surface waves in vacuum-plasma interfaces, 25:36214 (DEMO-71/5)
  - Relativistic doppler effect and group velocity in homogeneous nonlinear and inhomogeneous plasma, 25:36215 (DEMO-71/6)
- NICOLITSAS, A. J. Special purpose discriminator for delayed neutron spectrum measurements, 21:16248
  - Work in Greece on delayed neutrons, 24:30774
- NICOLL, D. EBOR control rod drive speed reducer test, 21:44831 (GA-8089)
- NICOLL, David Neutronic reactor with improved release mechanism between control rod and associated drive, 21:8008
- NICOLL, F. H. Room-temperature lasing of CdS under pulsed-electron bombardment, 21:11702
- NICOLL, W. B. Dryout in reactor coolant channels, 24:20562
  - Flow oscillation in a channel heated by 19-rod bundles, 24:20560
- NICOLL, Wilfred Charles Improvements relating to heat exchangers, 23:45466
- NICOLO, F. Divergence of radiative corrections in π/sub l2/ decay, 23:7128
  - Electromagnetic form factor of the π^+ and single pion electroproduction near threshold, 23:23421
  - Generalized Veneziano model with spin and isospin for anti NN anti KKπ processes, 25:45733
  - K anti K π final states for N anti N annihilation at rest in Veneziano language, 25:9765 (NP-18578)
  - K anti Kπ final states for N anti N annihilation at rest in the Veneziano language, 25:14691
  - Multiple scattering corrections to high energy π^+ photoproduction, 23:27765 (NP-17871)
  - Multiple scattering corrections to pion-photoproduction, 23:46642 (NP-17999)
  - Multiple scattering corrections to pion-photoproduction, 24:51999 (AD-705700)
  - Multiple-scattering corrections to high-energy π^+ photoproduction, 23:23411
  - Multiple-scattering corrections to pion photoproduction, 24:10711
  - Radiative corrections to K/sub l3/ decay, 23:39657
  - Radiative corrections to lepton polarization and to rate in K_3 decay, 23:27787 (NP-17872)
  - Remark on pion electroproduction near threshold, 21:21179
  - Sum rule for the pion electromagnetic form factor, 22:34927
- NICOLOFF, John T. Scintigraphic detection of pulmonary bacterial infections with labeled thyroid hormones and pertechnetate, 25:37850
- NICOLOSI, Louis J. Effect of surface strains on the diamagnetic and field-retaining properties of type-I hollow cyclinders, 22:38987
- NICOLOV, A. V. Mass formulas in the inhomogeneous SU(6,6) group, 21:17163
- NICOLSON, I. K. M. Decay of a thick He II film, 24:26120
- NICOTERA, E. Precision vacuum furnace for neutron intensity measurements, 23:46888
- NICOUD, J. C. Defects produced in Be by hammer-hardening, 24:14750
  - Internal friction due to grain boundaries in Mg, 24:25721
  - Low-temperature neutron radiation damage and recovery in magnesium, 23:3606
  - Neutron radiation damage and recovery in Be, 23:1530
  - Recovery in stage I of beryllium irradiated by neutrons and electrons, 22:17794
  - Recovery of fcc and hexagonal metals after low-temperature irradiation, 22:1306
  - Study of defects produced in beryllium by irradiation at low temperature, 23:14371 (WAPD-Trans-107)
- NICOUD, Jean-Claude Measurement of energy liberated in the course of annealing samples of beryllium irradiated by neutrons at 77°K, 21:39661
  - Study of defects produced in beryllium by irradiation at low temperature, 22:28866
- NICOVICH, P. A. Projected tolerance zone concept, 21:27860 (SC-DC-67-1744)
  - Tolerance comparator, 24:9198 (SC-R-112-A)
- NICULA, A. Magnetic resonance studies of crystal field distortions in LiF:Fe^{3+} system, 22:3164 (IFA-IS-46)
- NICULESCU Contribution to ^{7}Li determination by nuclear resonance, 22:48843
- NICULESCU, Aurelia Humoral and functional changes in the syndrome caused from combined action of burns and whole body irradiation, 21:4874
- NICULESCU, Gh. Cardiac lesions in acute radiation sickness, 21:4823
  - Curarizing action of some new radioprotective substances, 22:31118
  - Pleuropulmonary wounds in irradiated animals, 21:4872
- NICULESCU, N. Time-of-flight determination of the diffusion coefficient of Cs_2^+ ions in Cs vapors, 22:26218
- NICULESCU, V. Magnetic resonance studies of crystal field distortions in LiF:Fe^{3+} system, 22:3164 (IFA-IS-46)
  - NMR and magnetic susceptibilities of Ce—Al intermetallic compounds, 25:25261
- NICULESCU-MAJEWSKA, H. Determination of quadrupole moment of ^{57}Fe, 24:20004
- NICULESCU-ZINCA, D. Blood changes caused by post therapeutic internal contamination with radioactive isotopes, 24:34740
- NICULINA, A. V. Corrosion behaviour of zirconium alloys in boiling water under irradiation, 25:52388 (A/CONF.49/P-428)
- NICZYPORUK, B. Neutral bosons decaying into π^0 mesons and γ quanta, 21:17043 (JINR-E1-3100)
- NIDAY, J. B. Analysis of unknown mixtures by computer reduction of Ge(Li) spectra, 24:89
  - Identification and determination of γ emitters by computer analysis of Ge(Li) spectra, 21:30353 (UCID-15140)
  - Megachannel pulse height analysis, 23:50212 (UCRL-71839)
  - Precise determinations of high-energy gamma rays and errors in the pair-peak method, 23:683
- NIDICK, Ernest J. Jr. Designing flyer-plate/gun experiments to provide sharp compressive shocks and soft recovery of targets, 24:50313 (UCRL-50887)
- NIEBERGALL, F. Counter telescope for the measurement of the polarization of fast neutrons, 21:19927
  - Large aperture Cherenkov counter, 25:2489
  - Large-area wire spark chambers with two-coordinate read-out and ferrite core memory, 25:18790
  - Polarization of neutrons from $^{10}B(d,n_0)^{11}C$ reaction for deuteron energies below 3.0 MeV, 23:5835
  - Production of initially pure K^0 beam of known momentum, 25:20144
  - Scattering of polarized neutrons by ^{3}He, 23:30924
  - Tentative phase shift analysis of $^3He(n,n)^3He$, 23:25792

NIEBERLEIN, Vernon A. Oxidation characteristics of vapor-plated tungsten, 21:3463
NIEBUHR, H. Activation analysis, 24:11463 (AED-C-14-4)
  Bibliographies in nuclear science and technology. Section 14, 25:57368 (AED-C-14-5)
NIECE, L. H. Independent yields of ^{97}Zr from thermal-neutron fission of ^{235}U and ^{233}U, 24:24582
NIECKARZ, W. J. Jr. Nuclear structure effects in (p,2 nucleon) reactions on isotopes of Cd, 25:12570
  Production of ^{111}In and /Sup 114m/In from separated isotopes of Cd using 70- to 400-MeV protons, 23:31014
NIEDENZU, K. Vibrational spectra of B-trihaloborazines, 25:37375
NIEDENZU, Kurt Boron—nitrogen compounds. XXXIII. A normal-coordinate analysis of borazine, 24:29247
NIEDERAUER, George F. Neutron kinetics of a fast, hot, critical assembly in startup mode, 25:18200 (N-70-39389)
  Solution of telegrapher's equation for arbitrary infinite plane source, 23:47322
NIEDERAUER, George Frederick Neutron kinetics based on the equation of telegraphy, 22:39558
NIEDERER, J. Uranium content of some dental porcelains and beta-activity, 24:36150
NIEDERER, Ulrich H. Convergence of the perturbation series in a model of quantum field theory, 23:16994
NIEDERGERKE, R. Determination of Ca fluxes in frog heart, 23:33610
NIEDERKORN, I. Determination of the concentration of U in different materials by measurement of alpha, beta, and gamma radiations, 25:54445
  Preparation of sinterable uranium dioxide, 24:8075
NIEDERKORN, John A. Jr. Isogenicity in parthenogenetic strains of D. mercatorum, 24:34274
NIEDERLE, B. Early manifestation of anaplastic thyroid cancer after radioiodine treatment for toxic nodular goitre, 25:52237
NIEDERLE, J. Continuous degenerate representations of noncompact rotation groups. II, 21:7527
  Decompositions of discrete most degenerate representations of $SO_0(p,q)$ with respect to representations of SO((p,q-1) or $SO_0(p-1,q)$, 21:939 (IC-66/99)
  Decompositions of discrete most degenerate representations of $SO_0(p,q)$ when restricted to representations of $SO_0(p,q-1)$ or $SO_0(p-1,q)$, 22:13800
  Discrete degenerate representations of noncompact rotation groups. I, 21:4084
  Eigenfunction expansions associated with the second-order invariant operator on hyperboloids and cones. III, 21:40247
  Group theory. I, 24:8683 (IC-69-140)
  Matrix elements of finite U(n) transformations, 25:12235
  Nonlinear realizations of the group SU(2), 24:26457
  Semi-relativistic equation for quark—antiquark systems, 22:32122
NIEDERLE, Jiri Validity of quantum electrodynamics, 25:3438
NIEDERMAYER, F. Weinberg sum rules and f$\pi\pi$ vertex, 23:25603
  Weinberg sum rules and rho$\omega\pi$ vertex, 23:34587
NIEDERMEIER, William Emission spectrometric determination of trace elements in biological fluids, 25:12946
  Mechanism of action of ceruloplasmin in inhibiting ascorbic acid-induced depolymerization of hyaluronic acid, 22:30982
NIEDERMEYER, H. Energy dissipation in collisionless shock waves, 23:32391
  Experimental study of collective dissipation in shock waves for a wide range of plasma parameters, 25:38423 (CONF-710607-122)
NIEDERMEYER, Helmuth Electrostatic analyzer for measuring the energy of ions and electrons from hot plasmas, 22:1153 (IPP-1/66)
NIEDERMEYR, W. Reactor temperature transients with spatial variables. II, 22:12022 (EURFNR-415)
NIEDERSTAETTER, W. Cryostat for Ge(Li)-detectors with internal liquid circulation and a swivelling cold finger, 23:11778
  Determining half lives, 24:33931
  Measurements concerning the decay of ^{177}Lu, 24:38255
NIEDERSTETTER, H. CO_2 gas circuit for investigating radiation induced graphite corrosion, 22:13080
NIEDERSTRASSER, H. Use of γ-emitters in investigation of sedimentation in flocculation processes, 22:28020
NIEDETZKY, A. Effect of γ radiation on isolated frog hearts stopped as a result of Ca deficiency, 22:15068
  Effect of ionizing radiation on the center of automatism of frog heart, 22:15059
  Effect of radiations on sperms, 24:34602
NIEDOBA, H. Gamma scintillation camera in urology, 25:21764
NIEDRIG, H. Determination of foil thickness by backscattering of fast electrons, 22:41311
  Energy-loss spectrum of fast electrons in Al and Pb foils, 24:44983
  Influence of inelastic scattering on anomalous electron transmission in gold foils, 24:39817
  Temperature dependence of anomalous electron transmission in Au foils, 23:23300
  Temperature dependence of large-angle electron scattering at polycrystalline gold foils, 21:41806
NIEDZIELSKI, J. Effect of H_2S on yields of ionic products in gaseous ethylene radiolysis, 24:31346
  Evidence for the formation of methane by the dissociation of excited butyl ions in the radiolysis of ethylene, 25:37422
  Gamma radiolysis of gaseous ethylene in the presence of isobutylene, 25:57474
  Radiolysis of ethylene in presence of hydrogen sulfide, 25:4122
  Radiolysis of gaseous ethylene, 24:9405
  Reaction of neon ions with ethylene, 25:26314
NIEDZIELSKI, Jan Effect of ammonia on the ion reactions in the radiolysis of ethylene in the gas phase, 25:18452
  Effect of some oxygen-containing compounds on the radiolysis of gaseous ethylene, 25:54643
  Gamma radiolysis of a nitrogen—ethylene gaseous mixture, 23:47566
  Gas-chromatographic analysis of C_1—C_4 hydrocarbons, products of radiolysis of gaseous ethylene, 25:2278
  Nitrogen sensitized gas phase γ-radiolysis of ethylene, 25:18455
NIEDZWIEDZ, S. Surface phenomena during oxidation of U_3Si, 23:51091
  Tungsten—titanium—boron metastable phase diagram, 24:17385
NIEDZWIEDZIUK, K. Investigation of ^{9}Be(t,n)^{11}B reaction at 1.10 MeV, 25:9976 (JINR-P15-5148)
NIEF, G. Absolute isotopic scale for deuterium analysis of natural waters, 25:34518
  Isotopic examination at depth of Antarctic glacier, 22:18942
  Mass spectrometer for the isotopic oxygen analysis of water, 23:738
  New mass spectrometer for measurements of very small isotopic differences between two uranium samples, 23:50205 (CEA-CONF-1346)
  Photochemical isotope separation device, 25:23747
NIEF, Guy Chemical and isotopic analysis of boron in uranium by mass spectrometry, 22:16385 (CEA-R-3219)
NIEGAWA, A. Asymptotic behavior of unitarized π—π Veneziano amplitude, 24:40366
  Form factor and virtual-Compton-scattering amplitude in Kikkawa—Sato, 25:53058
NIEGAWA, Akira Inelastic π—N and N—N collisions in parton model, 25:12222
NI'EGORODZEV, V. V. Beam regulation in a 100-MeV linear accelerator, 25:9914 (NP-tr-1926)
NIEH, H. T. Broken chiral SU(3) x SU(3) symmetry. I, 24:37841
  Consistency of current commutation relations and related considerations, 21:7506
  Current-algebra, substracted dispersion relation, and K/sub l3/ form reactors, 22:37128
  Determination of Cabibbo parameters from baryon decays, 22:46382
  $\Delta T = 3/2$ admixture of nonleptonic decays of K mesons, 22:9573
  Electroproduction and photoproduction, 24:40322
  Eta decay and current algebra, 21:31563
  Fragmentation models for inelastic lepton—hadron scattering, 25:33660
  Generalized Weinberg sum rules and axial-vector Cabibbo angle, 21:31581
  High-energy behavior of electron—positron annihilation cross-section, 23:44626
  Necessary and sufficient conditions for the current-spectral-function sum rules, 22:5614
  Partially conserved currents and weak form factors, 22:11637
  Phenomenological Lagrangian for field algebra, hard pions, and radiative corrections, 22:20323
  Pion electromagnetic mass difference for physical pions, 22:1415
  SU(3), Goldberger—Treiman relation, and Cabibbo angle, 22:32106
NIEHAUS, A. Angular distributions of Penning electrons, 25:30294
  Collisional ionization of long-lived highly excited atoms, 21:43794
  Energy analysis of electrons ejected in slow ion—atom collisions, 23:48713
  Energy analysis of electrons from Penning ionization processes, 22:52542
  Hydrogen-atom scattering, 23:44178
  Reactions of excited atoms and molecules with atoms and molecules. II, 23:48737
  Reactions of excited atoms and molecules with atoms and molecules. III, 24:6371
  Reactions of excited atoms and molecules with atoms and molecules. IV, 25:992
  Reactions of excited rare gas atoms with HD, 22:29287
  Reactions of excited rare gas atoms and H, 22:50053
NIEHAUS, D. Neutron hardness assurance for power transistors, 25:21501
NIEHAUS, R. J. Radial velocity observations of μ^1 Bootis, 25:4904
NIEKISCH, E. A. Energy conversion with thermionic diodes, 23:34303 (JUL-553-TP)
NIEKISCH, Ernst August Developmental stage of magnetohydrodynamic generators, 21:24966
NIEL, M. Telescope for gamma-ray astronomy, 23:21948
NIELAND, H. M. Off-shell calculation of πN scattering in P_{11} state, 25:47871
  Solution of Bethe—Salpeter equation with Pade approximants, 22:44428
NIELD, Philip W. Propagation in waveguides filled with warm plasma, 22:24336
NIELINGER, H. Feedback circuit for generation of rf high amplitude traveling waves, 24:11890
NIELL, A. E. Declination measurements of selected 4C sources using Arecibo 1000-ft reflector, 23:51255
  Improved spectra of some Ohio radio sources with unusual spectra, 25:856
  Interpretation of Ohio radio source counts, 25:24771
NIELSEN, A. Acoustic emission from steel pressure vessels, 24:33853 (TRG-Report-1983)
  Acoustic emission investigations during pressure vessel testing, 24:17293
  Analysis of unique beta transitions, 22:3792
  Analysis of unique beta transitions, 23:31097
  Beam facility for neutron half-life measurement at research establishment, Risoe, 23:17255 (RISO-147)
  Beta decay of the free neutron, 23:30932
  Free neutron beta-decay half-life, 25:50054 (RISO-226)
  Half-life of free neutron, 22:9507
  Moessbauer spectra with source and absorber at rest relative to each other, 21:27544
  Strontium-90 in human bone (Denmark 1962—1964), 21:14653
  Strontium-90 in human bone, Denmark 1962—64, 21:18038 (NP-16544)
NIELSEN, Andrew A. Use of the liver scan in the treatment of hepatic abscess, 23:16344
NIELSEN, Bjarne Leth Gamma-ray logging by means of thermoluminescence dosimeters, 25:6435 (RISO-219)
NIELSEN, C. E. Phase space hydrodynamics of equivalent nonlinear systems, 24:21800
NIELSEN, D. R. Radioisotopes and labelled salts in soil-water movement, 22:6448
NIELSEN, Dan S. Cause/consequence diagram method as basis for quantitative accident analysis, 25:39276 (RISO-M-1374)
  Development of temperature- and conductivity-compensated impedance void detector, 23:7891 (RISO-M-785)
  Dynamic characteristics of a fast-releasing safety rod for DR 3, 22:3897 (RISO-M-627)
  Void Fraction measurements in out-pile high-pressure rig Mk II A, 23:40944 (RISO-M-894)
NIELSEN, Forest H. Effect of zinc deficiency on ^{35}S and hexosamine metabolism in the epiphyseal plate and primary spongiosa of the chick, 24:46565
NIELSEN, G. Effects of fertilization on strontium—calcium and cesium—potassium relationships in plants. I, 21:26379
NIELSEN, Gunnar Root development of some cultivated plants in sandy soil, 21:11126
NIELSEN, H. Can present information on pion—nucleon elastic scattering solve the UP-DOWN ambiguity for the pion—pion isospin zero s-wave, 25:50128 (RPP/C-22)
  Information on low-energy $\pi\pi$ interaction from elastic pion—nucleon phase shifts, 25:59463
  Invariant amplitudes of pion—nucleon scattering in unphysical region, 25:59481
  Pion—nucleon phase shifts below 270 MeV, 25:45749
  Sulfur isotopes in the Rammelsberg ore deposit (Germany), 21:8438
NIELSEN, H. B. Analog model for KSV theory, 25:1642
  Connection between the Regge trajectory universal slope α' and transverse momentum distribution of partons in planar Feynman diagram model, 25:47829
  Generalized Veneziano model for n particles, 24:15572
  Generalized Veneziano model for n particles, trajectories with signature, 24:49446
  Parton theory based on the dual resonance model, 25:28002
  Parton view of dual amplitudes, 24:37744
  Reaction amplitude for n-mesons, 23:34583
NIELSEN, H. L. α-active isotopes of Hg, Au, and Pt, 24:49912
  Bands (K/sup π/=0$^+$) of ^{178}Hf and the allowed unhindered beta transformations of 9.3-min ^{178}Ta and 22-day ^{178}W, 21:10049
  Decay characteristics of short-lived radionuclides, 23:21307
  Decay scheme of ^{188}Pt, Q-value, and K-electron-capture fractions P/sub K/, 22:44748
  E2 + M1 decay of the 2$^+$ beta-vibrational state in ^{178}Hf, 22:39674
  E2 strength of 191 keV transition in ^{197}Au, 25:5709
  Energy levels in ^{234}U populated in the β decay of ^{234}Pa(UZ), 22:50635
  Fermi matrix elements in the beta decay of ^{234}Np, 21:12041
  Half-life of 2$^-$ state at 990 keV in ^{234}U, 23:23699
  Levels in the 89-neutron nucleus ^{153}Gd, 22:42081
  Odd parity states in ^{238}Pu, 25:12594
  Perturbed β-vibrational bands in ^{152}Sm, ^{154}Gd, and ^{156}Gd, 25:43940
  Preparation of Curie amounts of ^{234}Th(UX$_1$) and millicuries of ^{234}Pa(UZ) by extraction of ^{238}U, 22:33382
  Pure Fermi transition in beta decay of ^{156}Eu, 24:3950
  Transition rates of fast, allowed β transitions between deformed nuclei in rare-earth region, 22:30038
  Unique first-forbidden beta transitions in deformed nuclei, 25:3672
NIELSEN, Heimo Data handling in precise isotope ratio research, 23:739
  Sulfur isotopes in marine circulation and the ^{34}S of the early oceans, 21:4617
NIELSEN, Holger Bech Generalized Veneziano model, 24:6717
  Manifestly crossing-invariant parametrization of n-meson amplitude, 23:49138
NIELSEN, J. M. Anticoincidence shielded multidimensional gamma-ray spectrometers for low level counting, 21:14426 (BNWL-SA-927)
  Anticoincidence shielded multidimensional gamma-ray spectrometers for low-level counting, 22:6623
  Cesium-137 determination in fission products by direct beta—gamma coincidence counting, 21:34222
  Deposition of a wide spectrum of radionuclides in the food chain by nuclear production and testing operations, 21:22365 (BNWL-SA-993)
  Prog. rpt. on biology and medicine, Vol. 2, Pt. 2, annual, 1967, 23:13668 (BNWL-715(Pt.2))
  Prog. rpt. on biology and medicine, 6/69, 23:49741 (BNWL-1051(Pt.2))
  Prog. rpt. on biology and medicine, annual, 2/70. II, 24:48456 (BNWL-1307(Pt.2))
  Prog. rpt. on biology and medicine, annual, Vol. II, Pt. 2, 3/70, 25:37769 (BNWL-1551(Pt.2))
  Radiochemical determination of plutonium for radiological purposes, 22:8034
  Reactions of radionuclides from the Hanford reactors with Columbia River, 21:15998
  Some nuclear techniques for atmospheric dilution and dispersion studies, 25:32087

NIELSEN, J. R. Time-division analog multiplier using an improved full-wave modulator to maintain static accuracy, 21:47010 (IDO-17221)
NIELSEN, J. Rud Normal coordinate analysis of CF$_3$—CH$_3$ and CF$_3$—CD$_3$, 21:3024
NIELSEN, J. W. Use of phase diagrams in crystal growth, 25:37976
NIELSEN, Julian M. Method for determining the amount of ^{137}Cs in irradiated nuclear fuel, 22:30445
  Some nuclear techniques for atmospheric dilution and dispersion studies, 24:5762
NIELSEN, K. High current pulsed electron beam generator, 25:50397
  Hypoproteinaemias associated with helminthic infections, 24:12188
  Isotope techniques in study of hypoproteinaemias associated with helminthic disease, 24:50672
NIELSEN, K. Bonde E2 + M1 decay of the 2$^+$ beta-vibrational state in ^{176}Hf, 22:39674
  K-shell particle parameters for E2 transitions in ^{152}Sm and ^{154}Gd, 23:15482
  On- and off-line experiments with megagauss internal magnetic fields, 22:30116
  Perturbed angular correlation measurements with β-particles from ^{154}Eu, 21:42653
  Perturbed angular correlation measurements with β particles from ^{154}Eu, 22:46802
  Time-dependent hyperfine interaction of ^{169}Tm in iron, 22:38747
NIELSEN, K. E. Precise measurement of relative energy positions and widths of some (p,γ) resonances in aluminium and sodium, 21:44651
NIELSEN, K. O. Angular-distribution measurements of fission fragments from single crystals, 24:30807
  Determination of lifetime of excited compound nuclei by angular distribution of fission fragments, 24:18418
NIELSEN, Kai Acute erythraemia after Thorotrast injection, 25:44958
NIELSEN, Kjell Walter Data evaluation and shape dependence in the pulsed neutron technique, 23:49307
NIELSEN, Kurt Efraim Quark search using a 1-MV mass separator and pulse-height analysis, 25:7526
NIELSEN, M. Crystal fields and the magnetic properties of praseodymium and neodymium, 24:45347
  Exchange interactions in rare earth metals, 25:5213
  Magnetic anisotropy in rare-earth metals, 25:3208
  Magnon interactions in terbium, 24:24161
  Resolution of neutron spectrometers for inelastic neutron scattering, 25:15925
  Sensitive magnetometer based on superconductivity, 22:29425
NIELSEN, Meta Damkjaer Iodine-125-labelling of angiotensin I and II, 25:42241
NIELSEN, O. B. Alpha decay of neutron deficient isotopes of mercury and radon and their daughters, 25:28302 (CERN-70-30(Vol.1), pp 523-31)
  Alpha decay of neutron-deficient radon and polonium isotopes, 25:20451
  α-active isotopes of Hg, Au, and Pt, 24:49912
  Compound-nucleus aspects of beta decays with high Q values, 25:28443 (CERN-70-30(Vol.1), pp 421-33)
  Coriolis coupling between the $^{5}/_{2}^{-}$[523] and $^{3}/_{2}^{-}$[521] bands of ^{161}Dy, 22:27178
  Electron-capture beta decay, 25:14993
  Experimental Q-values far from stability, 25:28295 (CERN-70-30(Vol.1), pp 331-40)
  Gadolinium-155 levels excited by decay of ^{155}Tb, 22:24856 (JINR-P6-3695)
  Gadolinium-155 levels excited in decay of ^{155}Tb, 23:49420
  Lifetimes of excited states of ^{211}At, 24:52572
  New high spin isomer /sup 179m2/Hf, 24:43356
  New high-spin isomer /sup 179m$_2$/Hf and intraband branchings in the ground-state rotational sequence of ^{179}Hf, 24:38275
NIELSEN, O. F. Mean amplitudes of vibration for methyl ketene, 24:36226
NIELSEN, P. Collisionless electrostatic shocks, 24:21701
  Continuous supersonic plasma wind tunnel, 22:50195
  Continuous supersonic plasma wind tunnel, 23:23189
  Effects of ion—atom collisions on the propagation and damping of ion-acoustic waves, 22:31850
  Experimental test of quasi-linear theory, 25:14323
  Experiments on shock formation in Q device, 22:19993
  Green function for ion—acoustic waves, 24:26268
  Influence of a grid on the plasma in a single-ended Q-machine, 24:8459
  Influence of biased grid on plasma in Q machine, 24:26267
  Interaction between plasma ions and grid-excited pulses in a Q machine, 24:45240
  Investigation of Landau-damping effects on shock formation, 21:33419
  Ion-velocity distribution function in a single-ended Q machine, 25:19670
  Wave—particle interaction in single-ended Q machine, 25:27693
NIELSEN, P. E. Theory of thermoelectric power in metals and alloys, 25:6227 (COO-623-152)
NIELSEN, P. Hedebol Particle aspects of phonons, 23:42582
NIELSEN, P. O. Treatment and disposal of wastes at the Institute for Atomic Energy, Norway, 25:21115
NIELSEN, Per Phase mixing and spatial landau damping of ion-acoustic waves, 23:48945 (RISO-190)
NIELSEN, R. External proton beam tune calculations including targets at consecutive focii, 25:50449
NIELSEN, R. L. Elastic bulk effect of point defects in metals, 23:27113
NIELSEN, Ralph H. Preparation of refractory metals, 22:36471
NIELSEN, Robert LeRoy Effects of irradiation on mechanical properties of Cu, 24:6218
NIELSEN, S. E. Vibronic autoionization and predissociation in hydrogen, 23:4629
NIELSEN, S. Levin Nonhomogeneous wash-out conditions of ^{133}Xe from adipose tissue, 24:2553
NIELSEN, S. O. Data-collecting system for pulse radiolysis experiments, 23:41107 (EUR-4289, pp 243-6)
  Pulse radiolysis apparatus for monitoring at 2000 A, 23:26307
  Pulse radiolysis of ice and frozen HF solutions, 23:47502
  Pulse radiolysis of oxalic acid and oxalates, 25:23617
NIELSEN, Sigurd O. Absorption spectrum and decay kinetics of O$_2^-$ and HO$_2$, 24:4322
  Hyrogen—deuterium exchange of bovine plasma albumin, 23:28865
NIELSEN, Svend E. Paramagnetic catalysis of the ortho-parahydrogen conversion, 21:8270
  Theory of the dissociative recombination and associative ionization of hydrogen, 21:3645
NIELSEN, Svend Erik Dynamic coupling phenomena in molecular excited states. I, 24:17643
  Dynamic coupling phenomena in molecular excited states. II, 24:17644
  Dynamic coupling phenomena in molecular excited states. III, 25:52645
  Rydberg states and scattering states of molecular electrons: e—H$_2^+$, 22:43888
NIELSEN, T. Fine structure of analogue resonances in the ^{44}Ca(p,p) and ^{48}Ti(p,p) reactions, 22:53139
NIELSEN, T. H. Mechanical behavior of tantalum carbide and magnesium oxide, 22:38625 (N-68-11625)
NIELSEN, Vibeke Approximation method in classical scattering by screened Coulomb fields, 22:34271
  Quantal treatment of directional effects for energetic charged particles in crystal lattices, 21:22994
NIELSON, C. Theory of turbulent heating and anomalous diffusion in pinch plasmas, 25:38351 (CONF-710607-66)
NIELSON, C. W. Electron cyclotron drift instability, 24:47263 (LA-4487)
  Electron cyclotron drift instability, 25:1230
  Initial comparison of transform and particle-in-cell methods of collisionless plasma simulation, 24:35464
  Method of odd/even reduction and factorization with application to Poisson's equation, 23:34959 (LA-4141)
  Method of odd/even reduction and factorization with application to Poisson's equation. II, 24:31171 (LA-4288)
  Numerical simulation of axisymmetric, collisionless, finte β plasma, 23:1421 (LA-3990, pp C2.1-16)
  Numerical simulation of axisymmetric, collisionless, finite-β plasma, 23:39486
  Numerical simulation of the weibel instability in one and two dimensions, 25:27737
  Numerical simulation of warm two-beam plasma, 23:1416 (LA-3990, pp A4.1-10)
  Numerical simulation of warm two-beam plasma, 24:3357
  Numerical simulation of Weibel instability in one and two dimensions, 24:42706 (LA-4482)
  One-, two-, and three-dimensional numerical simulation of two-beam plasmas, 24:3403
  Simulation of binary collision processes in plasmas, 24:40084
  Studies of turbulent heating of H plasma, 25:11862
  Studies of turbulent heating of hydrogen plasma by numerical simulation, 24:51605 (LA-4510)
  Thermal relaxation in one- and two-dimensional plasma models, 24:26198
NIELSON, D. R. Miscible displacement through gamma radiation: sterilized soil columns, 21:24173
  Miscible displacement through gamma radiation-sterilized soil columns, 22:42989
NIELSON, Niel E. Nuclear energy pumped laser, 25:23919
NIELUBOWICZ, J. Metabolic and hemodynamic disturbances in the liver subdued to extracorporeal perfusion, 25:8783
NIEMAN, D. A. Radiation-damage studies of bismuth-ion-implanted CdS, 25:19792
NIEMAN, G. C. Triplet—triplet annihilation and delayed fluorescence in isotopic mixed crystals of benzene, 22:33317
  Vibronic intensity distribution in the phosphorescence of benzene and its deuterated isomers, 23:17399
NIEMAN, H. Elimination of second order effects in triple-axis crystal spectrometers, 21:16196
NIEMAN, Richard E. Embryonic heart subjected to radar, 21:14565
NIEMANN, E.-G. Flash photolysis and pulse radiolysis in radiation biological research, 23:28870 (BMwF-FBK-69-11)
  Methods for the measurement of the course of photo- and radiation reactions in biological substances, 25:46519
NIEMANN, H. B. Diurnal survey of thermosphere, 23:27441 (N-69-13636)
NIEMANN, R. C. Dynamic proton polarization in butanol water below 1 K, 23:44776
  Measurement of polarization in $\pi^- p \to \pi^0 n$ and $\pi^- p \to$ etan, 22:13667
NIEMCZYNOWICZ, Janusz Determination of the nonactive carrier influence on the measurement of water filtration horizontal velocity by means of radioactive ^{131}I, 21:10459
  Radiographic method of determining the direction of ground water filtration in drill holes, 22:12437
  Radiographic probe for determining the direction of ground water filtration in drill holes, 22:43135
NIEMEIJER, Th. Some exact calculations on a chain of spins $^1/_2$. II, 23:25488
NIEMELA, L. Deuteron magnetic resonance in solid and liquid SiD$_4$ above 36°K, 22:1360
NIEMEYER, G. L. Jr. Thin aluminum foil spark chamber spectrometer, 21:30726
NIEMEYER, L. E. Environmental aspects of power plants, 24:46138 (CONF-700810-25)
NIEMEYER, R. G. Containment integrity of ^{226}Ra and ^{241}Am foils employed in smoke detectors, 25:51920 (ORNL-TM-2684)
  Radioisotope source safety testing, 21:26067 (ORNL-4092)
  Radioisotope source testing, 25:46589 (CONF-700646-, pp 46-56)
  Source application guide based on ORNL source capsule classification system, 23:38181 (ORNL-4427)
  Tritium loss from tritium self-luminous aircraft exit signs, 23:20220 (ORNL-TM-2539)
NIEMI, A. Dynamics of a cellulose bleaching plant, 22:14702
NIEMI, E. Treatment of toxic nodular and diffuse goitre with radioactive iodine, 24:48650
NIEMI, O. Extended range high-speed framing camera, 24:33619 (UCRL-72250)
NIEMI, O. W. Instruction manual LC-4 oscilloscope camera, 21:47048 (UCRL-50320)
NIEMI, R. O. Nuclear boiler dynamic analysis and testing, 21:38539
  Prog. rpt. on heat transfer and hydraulics, 10—12/67, 22:16755 (NYO-3679-3)
  Prog. rpt. on heat transfer and hydraulics effects of subcooled voids, 4—6/68, 22:42963 (NYO-3679-5)
  Prog. rpt. on heat transfer and hydraulics, 1—3/68, 22:42962 (NYO-3679-4)
  Prog. rpt. on heat transfer and hydraulics, 7—9/68, 23:4772 (NYO-3679-6)
  Prog. rpt. on heat transfer and hydraulics, 10—12/68, 23:16034 (NYO-3679-7)
  Reactor kinetics effects, 24:16156 (BNL-50117, pp 1-36)
NIEMI, S. Variations of mean recorded multiplicity in super neutron monitor 9-NM-64 at Oulu, Finland, for the period November 5, 1965 to April 30, 1967, 22:41395
NIEMI, Sauli P. A. Construction and use of a neutron monitor for multiplicity studies, 21:17867
NIEMIEC, J. Crystal structure of some binary alloys of Tc, 22:4807
  Phase equilibria of thorium—praseodymium and thorium—neodymium alloys and magnetic properties of their solid solutions, 22:34067
  Transition temperature of superconducting technetium—tungsten alloys, 21:4536
NIEMIEC, Jan Ion flotation, 21:10422
NIEMINEN, I. Radiative capture of positrons by electrons and the use of the Born approximation, 22:17354
NIEMINEN, U. Isodose measurement of the bladder dose in radium therapy, 25:13448
NIEMINEN, Usko A new operation-radiotherapy combination for treatment of carcinoma of the cervix uteri, 23:8036
  High energy therapy for recurrences of carcinoma of the cervix uteri, 22:49454
NIEMOTH, Hubert R. Nonuniform sodium slug ejection from an asymmetrically heated channel, 24:33393
  Vaporization and expulsion measurements with superheated sodium, 24:7106
NIEMUTH, W. E. Conference on fast reactor systems, materials, and components, Cincinnati, 4/68, 23:11155 (CONF-680419)
  Gas-cooled, water moderated neutronic reactor, 21:7996
NIEMYSKI, T. Optical properties of crystalline LaB$_6$, 23:30657
NIENDORF, L. R. Design, development and delivery of high temperature vacuum insulation systems for SNAP-21 thermoelectric power system, 24:41618 (TID-25482(App.))
  Design, development, and delivery of high temperature vacuum insulation systems for SNAP-21 thermoelectric power system, 24:44202 (TID-25482)
  SNAP-21 10-watt thermoelectric power system, 25:41998
NIENHAUS, J. Cleaning and decontamination of clothes, 23:14155 (EUR-4187)
  Microbial degradation of aromatic hydrocarbons used as reactor coolants, 25:2327
  Selection of abrasives and additives for decontamination by wet abrasive blasting, 23:14154 (EUR-4186)
  Solubility of terphenyls and OM$_2$ mixtures in pure and technical solvents, 23:33168 (EUR-4228)
NIENHUIS, G. Wigner representation of a quantum-mechanical. I, 24:42856
  Wigner representation of quantum-mechanical system. II, 24:42857
NIENHUIS, K. Alpha-particle spectrometry with semiconductor detectors, 23:33484
  Trapping centers in Ge(Li) detectors, 24:5875 (EUR-4269, pp 37-54)
NIEPEL, J. Routine measurement of low-level activities, 23:38277
  Separation of ^{89}Sr, ^{90}Sr, and ^{140}Ba from the ash of cattle bones, milk, and fish, 22:8197
NIEPOLOMSKA, W. Histochemical studies on cellular response of human skin cancer in the course of x-ray therapy, 25:49263
NIEPORENT, R. p$\pi^+\pi^-$ enhancements in the reaction pp $\to$ pp$\pi^+\pi^-$ at 24.8 GeV/c, 23:8729
NIEPORENT, Richard Joel Study of proton—proton interactions at 25 GeV/c in four-prong final state, 25:43535
NIER, Alfred O. Composition of lower thermosphere during summer 1967, 23:5308
  Day—night variations in the neutral composition of the lower thermosphere, 23:1284
  Mass spectroscopy: an old field in a new world, 21:17920
NIERAT, G. Compensator for shifting of time spectra obtained with Ge(Li) detectors, 24:4465
NIERAT, Georges Cross sections for production of gamma radiation, 24:5388 (CEA-R-3808)
NIERENBERG, William A. Hyperfine-structure separations, nuclear magnetic moments, and hyperfine-structure anomalies of ^{198}Au and ^{199}Au, 21:35473
NIERHAUS, R. Data handling system for the Omega and the SFM projects, 25:14839 (CERN-70-21(Vol.2), pp 561-80)

NIERLE, W. Mechanism of radionuclide contamination of cereals, 25:46706
NIERLICH, Jean Kinetics of reaction of Zr with O, 23:9409
  Nucleation and crystal growth of secondary zirconia during reaction of Zr with air at low pressure and at 810°C, 25:29997
NIERLICH, Martine Crystallographic data on some hydrated complexes of U(IV) fluoride with Ni, Co, or Cu, 22:42690
  Crystallographic results on hydrated complex fluorides of U(IV) and zinc or manganese, 23:17431
NIERMEYER, Karl E. Nuclear technology and mineral recovery, 24:41510 (CONF-700101-(Vol.2), pp 864-76)
NIESAR, K. H. Influence of dietary fat on the incorporation of T_2O in avian tissues, 21:6446
NIESCHMIDT, E. B. Spallation cross sections for 590 MeV protons on thin targets of Cu, Ni, Fe, and Al, 25:45970
  Spallation cross-sections for 590 MeV protons on thick and thin targets of iron and nickel, 25:23004
  Technique for assay of L-10 bottles of plutonium nitrate, 25:6519 (IN-1433)
NIESE, S. Activation analysis determination of some trace elements in crystallized leukinaminopeptidase from cattle eye lens and in lens, aqueous humor, and vitreous humor of cattle eyes, 23:6055
NIESEN, L. Resonant destruction of nuclear orientation in a dilute paramagnetic crystal, 22:46222
NIESLER, Herbert Low radiation level chamber, 21:30825
NIESSEN, A. K. Anisotropic pinning and guided motion of vortices in type-II superconductors, 23:12723
  Experiments on the distribution of a transport current in sheets of superconductors of the second kind, 22:5293
  Hall angle of various superconducting niobium—tantalum alloys in mixed state, 21:35115
NIESSEN, H. F. Possibility of ethylene production by nuclear heat, 25:39326 (JUL-704-RG)
NIESSEN, P. Continuous cooling transformation behaviour of zirconium—niobium—oxygen alloys, 25:13679
  Effect of O on equilibrium $\beta/\alpha + \beta$ transformation temperature of Zr—Nb alloys, 24:42141
NIESZ, D. E. Nonfueled refractories, 24:17366
NIETHAMMER, A. RELKIN: two-body relativistic kinematics code, 24:40671 (LA-4349)
NIETO, J. M. Detector effects on the statistics of neutron fluctuations, 21:12673
  Two-group reactor noise analysis by Langevin's technique, 23:13577
NIETO, Juan Maria Applications of Langevin's method to fluctuation problems, 24:16295
NIETO, M. Human physiopathology in face of radiation and hybernation, 24:14512
NIETO, M. M. Hadron transverse-momentum gaussian cross sections, 23:30741
  New unitarity bounds on (K/sub L//K/sub S/), 24:37843
NIETO, Michael Martin Angular momentum uncertainty relation and the three-dimensional oscillator in the coherent states, 21:15405
  Bootstrap investigation of the Sakata triplet-meson system, 21:15351
  Determination of Cabibbo parameters from baryon decays, 22:46382
  Dynamical model for negative-parity Regge trajectories in the pion—nucleon system, 21:15361
  Generalized isospin matrices and projection operators, 23:39742
  High-spin baryons. V, 22:5580
  K_{13} form factors and the scaling behavior of spin-0 fields, 25:40949
  New geomagnetic limit on the mass of the photon, 22:44305
  Phase and angle variables in quantum mechanics, 22:24499
  Quantized phase effect and Josephson tunneling, 22:17555
  Quantum phase operators and the Josephson plasma resonance, 23:39421
  Study of leptonic three-body decays of baryons, 22:15741
  Terrestrial and extraterrestrial limits on the photon mass, 25:47788
  U-spin pole model of nonleptonic hyperon decays, 22:20207
NIEUWDORP, P. J. Accumulation of radionuclides by bacteria and yeasts, 25:2530
NIEUWHOF, G. W. E. Magnetic switching apparatus, 22:3961
NIEWENHUIS, Robert J. Morphologic and functional changes in testicular interstitial tissue of the rat after cryptorchidism or x irradiation, 25:27008
NIEWIADOMSKI, T. Thermoluminescence of biological materials, 24:49255
NIEWIADOMSKI, T. J. Thermoluminescent dosimeters, 21:26250
NIEWIADOMSKI, Tadeusz Doping methods and some thermoluminescent and dosimetric properties of LiF:Cu,Ag and CaF_2:Mn, 21:28284
NIEWIAROWSKI, St. Mechanism of radiation protective effect of proteolytic enzymes, 24:6063
NIEWODNICZANSKA-ZAWADZKA, J. Macroscopic quantum interference effects in superconducting slug-type junctions, 25:43293
NIEWODNICZANSKI, H. Elastic and inelastic scattering of 26.5-MeV α particles on ^{28}Si, ^{31}P, and ^{32}S nuclei, 24:40571 (INP-699)
  Elastic scattering of alpha particles on ^{39}K nuclei in energy range from 22.1 to 28.2 Mev, 23:7244 (INP-613)
  Elastic scattering of alpha particles on ^{39}K at E/sub α/ = 22.1 to 28.2 MeV, 23:19224
  Excited states of ^{119}Sb, 23:21346
  Excited states of ^{155}Gd nucleus, 21:44729
  Excited states of ^{75}As following the decay of ^{75}Se, 21:5502 (INP-492/PL)
  Gamma transitions in ^{151}Tb and ^{152}Tb, 21:12016 (INP-481/PL)
  Glory effect in optical model analysis of ^{39}K(α,α)^{39}K elastic scattering, 23:19201 (INP-614)
  Glory effect in optical-model analysis of ^{39}K(α,α)^{39}K elastic scattering, 23:19222
  Inelastic scattering of 26.5-MeV alpha particles on ^{28}Si, ^{31}P, and ^{32}S, 24:43253
  Level scheme of ^{147}Sm and g-factors of its two lowest excited states, 23:1875 (INP-620)
  Level scheme of ^{147}Sm and g-factors of two lowest excited states, 23:7319
  Low excited states of ^{54}Mn, 23:1822 (INP-626)
  Low-energy excited states of ^{54}Mn, 23:23670
  Low-energy excited states of ^{65}Zn from the decay of ^{65}Ga, 23:25887
  Newly observed gamma transitions in ^{151}Tb and ^{152}Tb decay, 21:19265
  Nuclear glory effect in elastic scattering of alpha particles, 23:5836 (INP-624)
  Partial half lives of alpha decay of ^{151}Tb and ^{149}Tb nuclei, 21:33976
  Production of carrier-free radioiosotpes from targets irradiated with deuterons of α-particles in cyclotron. I, 23:24215 (INP-662)
  Production of carrier-free radioisotopes from targets irradiated with deuterons or α-particles in cyclotron. II, 23:24216 (INP-663)
  Resonance in the elastic scattering of alpha particle on ^{39}K at 24 MeV, 22:27062
  Total reaction cross section and elastic scattering of 24.7 MeV alpha particles in the region of A = 60 nuclei, 22:3645 (INP-558/PL)
  Total reaction cross section and elastic scattering of 24.7 MeV alpha particles in the region of A = 60 nuclei, 22:7688
  Total reaction cross-section for 24.7 MeV alpha particles in region of A = 60 nuclei, 21:11985 (INP-503/PL)
NIEWODNICZANSKI, Henryk Direct nuclear reactions, 21:34022 (INP-525/PL)
  Double magnetic coincidence beta-ray spectrometer, 24:21005
  Excited states of ^{155}Gd nucleus, 21:44664 (INP-546/PL)
  Large permanent magnet semicircular beta ray spectrograph, 21:17835
  Measurement of gamma transitions, 23:47814
  Partial half-lives of alpha decay of ^{151}Tb and ^{149}Tb nuclei, 21:27565 (INP-535/PL)
  Production of carrier-free radioisotopes in U-120 Krakow cyclotron. I, 24:13976
  Production of carrier-free radioisotopes from targets irradiated with deuterons or α-particles in the U-120 Krakow cyclotron. II, 24:22718
  Rapid separation of radioactive elements by evaporation in vacuum, 22:23096 (INP-584/PL)
  Rapid separation of radioactive elements by evaporation in vacuum, 22:40203
  Resonance in elastic scattering of alpha particles on ^{40}Ca nuclei, 21:11984 (INP-502/PL)
NIEWODNICZANSKI, J. Applications of low-energy γ and x-ray sources in Poland, 22:257 (ORNL-IIC-10(Vol.2), pp 746-63)
  Experimental sensitivities for 3-MeV neutron activation analysis, 24:5636
  Feasibility of radioisotope x-ray fluorescence analysis for measuring water pollution by meals, 25:31823
  Field determination of Fe, 23:35016
  Progress in application of nuclear technique in geophysics, mining, and hydrology in Poland, 25:51693 (A/CONF.49/P-334)
NIEWODNICZANSKI, Jerzy Determination of zinc content in upper-silesian lead—zinc ores by means of photon activation analysis, 22:12249
  Sensitivity and accuracy of nomographic interpretation in x-ray fluorescence analysis, 21:17571
  Some applications of low-energy gamma and x-ray source in Poland, 22:33211
NIEWOLAK, S. Influence of gamma irradiation on milk microflora, 25:42742
NIEWYRODNICZANSKI, Henryk Rapid separation of radioactive elements by vacuum evaporation, 23:2380 (ORNL-tr-2013)
NIEZABITOWSKI, Aleksander Chemical protection against ionizing radiation. V, 22:21545
NIEZBORALA, F. Comparative study of the behavior in soil of radioactive waste solidified by various processes, 22:16813
  Five years experience of irradiated fuel processing, 22:47220
  Pilot plant for reprocessing irradiated fuels from Marcoule, 22:6420
NIEZBORALA, Fernand Decontamination of installations in irradiated fuel processing pilot-plant, 21:14635 (CEA-R-3104)
  Study of the diffusion of the radioactivity of glasses and bitumen-coated materials, 23:40967 (CEA-R-3751)
NIEZETTE, J. Automatic dilatometer for radiation polymerizations, 25:54616
NIFANT'EV, E. E. Solvent extraction of Zr, 23:47622
  Synthesis of polyphosphamides containing 2,2'-diaminodiethyl disulfide (cystamine) residues, 21:10985
NIFATOV, A. P. Absorption of ^{239}Pu through skin and from subcutaneous tissue of young pigs, 22:14925
  Combined effect of ^{90}Sr, ^{144}Ce and ^{239}Pu on rat organism (report 2), 23:22383 (AEC-tr-6944, pp 453-62)
  Combined effect of ^{90}Sr, ^{144}Ce and ^{239}Pu on rat organism (report 1), 23:22382 (AEC-tr-6944, pp 441-52)
  Effect of additional pathological factors on long-term consequences of ^{239}Pu poisoning, 23:22386 (AEC-tr-6944, pp 484-92)
  Microdistribution of ^{239}Pu and histopathology of liver and skeleton of dogs, 25:23985 (AEC-tr-7195, pp 364-75)
  Plutonium-239 metabolism, 23:17941
  Pneumosclerosis in rats after intratracheal administration of soluble ^{239}Pu compounds, 23:31932
  Problems of plutonium toxicology, 25:8594 (LF-tr-41)
  Problems of Pu toxicology, 23:35606
NIFENECKER Reactor safety in France, 24:24865
NIFENECKER, H. Automatic reduction of cross-section curves into a sum of Breit—Wigner terms, 22:24799
  Correcton for fission neutron detector efficiency and unfolding of neutron multiplicity histograms, 24:29527
  Energies and intensities of γ rays from thermal neutron capture by Sr, 22:32546
  Measurement of kinetic energy of fragments of thermal fission of ^{235}U, 23:4000 (NP-tr-1707)
  Nearly monochromatic γ beam of variable energy, 25:51253
  Neutron emission of ^{252}Cf fragments, 24:30791
  Precise measurements, in the region of symmetric mass, of the kinetic energy of fragments from thermal fission of ^{235}U, 21:29977
  Prompt neutron yields of fission fragments of ^{252}Cf as a function of charge of fragments, 23:40084
  Radiative capture of thermal neutrons by Ti, 22:9826
  Use of the statistical properties of noise in the problem of curve smoothing, 22:25705
NIFENECKER, Herve Effect of charge on ^{252}Cf fission fragments on neutron emission process, 25:28288 (CEA-R-4121)
  Intensities and energies of γ rays in reaction ^{89}Y(n,γ)^{90}Y, 22:9910
  Simulation of fission experiments by Monte-Carlo method, 24:38202 (CEA-N-1282)
NIFENECKER, M. Steam turbines for nuclear power plants, 22:18488
NIFENECKER, P. Industrial fabrication of nuclear fuel elements in France, 21:1227
NIFONG, Gordon Dale Particle size distributions of trace elements in pollution aerosols, 25:54505
NIFONTOV, B. I. Underground nuclear explosions, 21:1484 (AEC-tr-6777)
NIFONTOVA, N. Use of N-benzoylphenylhydroxylamine for the amperometric titration of Nb(V), 22:37672
NIFONTOVA, N. V. Use of N-benzoyl-o-tolylhydroxylamine in method of amperometric titration. III, 25:2082
  Use of N-cinnamoylphenylhydroxylamine for amperometric titration of Nb, 25:13
  Use of N-furoylphenyl hydroxylamine for amperometric titration of Zr, 25:34535
NIFOROPULOS, J. G. Precision alignment of a large beam transport system, 21:38108
NIGAM, A. K. g-factor measurement of 206 keV $^{9}/_{2}^{-}$ state of ^{187}Re, 25:25740
  Gyromagnetic ratio of 379-keV level of ^{169}Tm, 22:32639
NIGAM, A. N. Doublet (s,t) in L-spectrum of ^{67}Ho, 22:2047
  L/sub I/N/sub IV,V/ and L/sub I/O/sub I/ transitions in Ho, 23:16679
  New diagram lines in L emission spectrum of thulium. I, 22:31656
  New diagram lines in L emission spectrum of thulium. II, 22:31658
  New diagram lines in L emission spectrum of thulium. III, 23:22874
  New diagram lines in L-emission spectrum of dysprosium, 22:990
  New lines in L-emission spectrum of Tb, 24:12638
  New lines in L-spectrum of ^{65}Tb, 22:45940
  New quadrupole and forbidden lines in the L-emission spectra of Yb and Lu, 21:27971
  New quadrupole transitions in L spectrum of Gd, 25:969
  Origin of high-frequency satellites in L-emission spectra of rare earths, 24:1271
  Quadrupole transition L/sub II/ N/sub III/ in Er, 24:12639
  s line in the L spectrum of Gd, 24:17636
  Satellite $L\beta_1$/sup I/ in x-ray spectra of rare earths, 25:47328
  Spectrum of Dy, 23:36487
NIGAM, B. P. Alternative to perturbation theory, 24:20037
  Exchange-degenerate conspirators in π^+ photoproduction, 23:23428
  Hamiltonian formulation of action-at-a-distance in electrodynamics for two spin-half charged particles, 21:35341
  Kaon and nucleon form factors using vector dominance, 25:12141
  Modified photon propagator in rho-dominance model, 25:9846
  Spin—orbit doublet separation in ^{17}O using hard-core harmonic-oscillator wave functions, 22:18138
  Two-body interaction in common harmonic-oscillator, 23:37346
  Two-nucleon hard-core interaction in a common harmonic-oscillator potential, 21:30077
NIGAM, H. L. Complex formation between uranyl(VI) and thiopropionic acid, 23:146
  Complexes of U, Ag, and Cd with mercaptosuccinic acid, 21:35963
  Studies of the complex formation between uranium and thiosalicylic acid, 21:23895
NIGAM, L. N. Structure of a plane ionization front, 21:13309
NIGARA, Yutaka Infrared properties of yttrium oxide, 25:17312
  Measurement of the optical constants of yttrium oxide, 22:22237
NIGAVEKAR, A. S. Density of states of some rare earth oxides from an x-ray isochromat investigation, 23:8662 (CONF-681020-(Vol.2), pp 783-9)
NIGAVEKAR, Arun S. Density of states in the conduction band of some rare earth oxides, 24:10625
NIGGEMANN, R. E. Condensate pump investigation, 23:43435 (SAN-651-100)
  Organic working fluid thermal stability investigation, 23:50026 (SAN-651-101)
  Prog. rpt. on organic Rankine cycle technology, 1—3/68, 22:30768 (SAN-651-57)

- Prog. rpt. on organic Rankine cycle technology, 4—7/68, 22:45221 (SAN-651-65)
- Prog. rpt. on organic Rankine cycle technology, 7—10/68, 23:9613 (SAN-651-71)
- Prog. rpt. on organic Rankine cycle technology, 10/68—1/69, 23:19896 (SAN-651-77)
- Prog. rpt. on organic Rankine cycle technology, 1/1/69—4/1/69, 23:33325 (SAN-651-96)
- Prog. rpt. on organic rankine cycle technology program, 4/1/69—6/30/69, 23:50027 (SAN-651-107)
- Prog. rpt. on organic Rankine cycle technology, 7/1/69-1/1/70, 24:29135 (SAN-651-118)
- Zirconium hydride reactor—organic Rankine power systems, 25:44179
- NIGGEMANN, Richard E. Organic Rankine cycle technology program, 23:7702
- NIGGLI, E. Geological meaning of Rb—Sr age results as studied on samples from Central Alps, 22:6476
- NIGGLI, P. Special crystallographic relationships of lattice groups, 22:17727 (LA-tr-68-5)
- NIGH, W. G. Kinetics of the pyrolysis of beryllium hydride, 25:26278
- NIGH, Wesley G. Secondary isotope effects in dehydration of malic acid by fumarate hydratase, 23:49797
- NIGHAN, W. L. Prog. rpt. on collision probability of electrons and ions with alkali metal atoms, final, 4/64-7/66, 21:603 (NASA-CR-72076)
- NIGHAN, William L. Electrical conductivity of partially ionized noble gases, 23:14768
  - Electron-transport phenomena inthermionic converter plasmas, 22:11444
  - Low-energy electron momentum transfer collisions in cesium plasmas, 21:29244
  - Neutralization plasma in thermionic converters, 24:26032 (AD-698821)
  - Transport phenomena in partially ionized cesium, 24:39914
- NIGHTINGALE, R. E. Fast fuels oxides and nitrides, 22:13044 (BNWL-473, pp 3.1-21)
  - Fast reactor dosimetry and damage analysis, 22:13035 (BNWL-473, pp 11.1-7)
  - Fast reactor dosimetry and damage analysis, 23:11178 (BNWL-919, pp 11.1-38)
  - Fast reactor dosimetry and damage analysis, 23:39008 (BNWL-1058, pp 11.1-43)
  - Fast reactor dosimetry and damage analysis, 23:46090 (BNWL-1144, pp 11.1-24)
  - Fast reactor dosimetry and damage analysis, 24:12435 (BNWL-1223, pp 5.1-40)
  - Fast reactor dosimetry and damage analysis, 24:23534 (BNWL-1279, pp 5.1-27)
  - Fast reactor nitrides research, 23:11236 (BNWL-919, pp 6.1-3)
  - Fuel development for gas-cooled reactor—HTGR graphite studies, 23:11248 (BNWL-919, pp 4.1-4)
  - Fuel development for gas-cooled reactor: HTGR graphite studies, 23:39064 (BNWL-1058, pp 4.1-6)
  - Graphite: advantages, limitations, and applications, 23:8314
  - HTGR graphite, 22:13062 (BNWL-473, pp 5.19-23)
  - Nuclear ceramics, 22:13060 (BNWL-473, pp 4.1-9)
  - Nuclear ceramics, 23:11351 (BNWL-919, pp 5.1-17)
  - Nuclear ceramics, 23:39065 (BNWL-1058, pp 5.1-58)
  - Nuclear ceramics, 23:46121 (BNWL-1144, pp 5.1-40)
  - Nuclear graphite, 22:13061 (BNWL-473, pp 5.1-19)
  - Nuclear graphite, 23:10308 (BNWL-919, pp 3.1-19)
  - Nuclear graphite, 23:39063 (BNWL-1058, pp 3.1-11)
  - Nuclear graphite, 23:46144 (BNWL-1144, pp 3.1-3)
  - Prog. rpt. on reactor fuels and materials, quarterly 8—9/68, 23:11235 (BNWL-919)
  - Prog. rpt. on reactor fuels and materials, 1—3/69, 23:38917 (BNWL-1058)
  - Prog. rpt. on reactor fuels and materials, 4—6/69, 23:46088 (BNWL-1144)
  - Prog. rpt. on reactor fuels and materials, 10—12/68, 23:50978 (BNWL-971)
  - Prog. rpt. on reactor fuels and materials, 7—9/67, 24:14866 (BNWL-658)
  - Prog. rpt. on reactor fuels and materials development, 4—6/68, 25:11474 (BNWL-842)
  - Various forms of carbon, 22:36547
- NIGHTINGALE, R. W. Angular correlation $^{18}O(t,p_1\gamma)^{20}O$, 24:38115
  - Decay of ^{50}Ca, 22:37336
  - Doppler-shift measurements of lifetimes of low-lying levels in ^{23}Na, 24:1807
  - Search for 72.5s /sup 30m/Al, 25:36715
- NIGMANKHODZHAEVA, M. S. Radiation-induced crosslinking of cellulose with acrolein, 25:51501
- NIGMANOV, T. S. System of proportional wire chambers on-line with a computer, 25:13297 (JINR-P13-5473)
  - System of proportional wire chambers on-line with a computer, 25:42156
- NIGON, John F. Hafnium alloy, 24:25664
- NIGRO, M. Asymmetry ratios in the photoproduction of π^+ by linearly polarized γ-rays in the energy range 200-400 Mev, 21:2348
  - Boson production at ADONE using magnetic analysis, 23:32600 (LNF-69/6)
  - Calculation of photoproduction of single pions from nucleons, 24:52001 (LNF-69/59)
  - Hadron production by e^+—e^- colliding beams, 24:47359 (LNF-70/38, pp 31-43)
  - Magnetic analyzer to be used for Adone colliding beam experiments, 23:25727 (LNF-69/2)
  - Monte Carlo type program for simulation of events produced in ADONE in regulating with magnetic analyzer, 23:37039 (LNF-69/13)
  - Multipole analysis of charged-pion photoproduction by polarized γ rays, 21:33653
  - Multipole analysis of π^+ photoproduction, 24:3581
  - Photoproduction of π^+ and $N^* \rightarrow N\gamma$ magnetic transition amplitude, 21:27335
  - Positive-pion photoproduction by linearly polarized γ rays. I, 22:29616
  - Positive-pion photoproduction with coherent bremsstrahlung. II, 24:1538
  - Project of an experiment on e^+e^- annihilation in two bosons, 21:27286 (LNF-66/56, pp 3-13)
- NIGRO, S. Lo Angular distributions of fragments from ^{232}Th(n,f) reactions near the threshold, 22:50646
- NIGROVIC, V. Nephrotoxicity of chelating agents, 23:24644
- NIGROVIC, Vladimir Metabolism and toxicity of therapeutic chelating agents. II, 23:45782 (AEC-tr-7088)
  - Separation of radiocarbon from radiometals in biological samples, 23:45390
- NIHEI, F. Interaction of plane electromagnetic waves with a moving compressible plasma fluid, 23:14849
- NIHEI, I. Reaction between uranium carbides and liquid sodium, 25:45105
- NIHEI, Isao Corrosion induced by liquid sodium, 25:35281
  - Liquid Na technology development. I, 21:32824 (JAERI-1129)
  - Liquid Na technology development. II, 23:45438 (ANL-7520(Pt.1), pp 506-14)
  - Liquid sodium technology development: test loops, purification methods, and corrosion tests, 21:22845
  - Mass-transfer phenomena of the austenitic stainless steels in the loop of sodium with a high temperature and high flow velocity, 23:45996 (ANL-7520(Pt.1), pp 143-50)
  - Permanent-magnet flowmeter for liquid Na. II, 24:7701
- NIHIRA, Hirohisa Hydrogenation of ethylene over cobalt oxide, 25:15583
- NIHIRA, T. Atomic displacement in pyrolytic graphite by electron bombardment, 21:5330
  - Recovery of electrical resistivity below 80°K in electron-irradiated pyrolytic graphite, 23:3160
  - Recovery of the basal plane electrical resistivity in electron-irradiated pyrolytic graphite, 23:8364
- NIHOUL, J. Concentration dependence of stage III recovery in cold-worked molybdenum, 24:34887
  - Dose dependence of stage III recovery in neutron-irradiated Mo, 24:42787
  - Electron spin resonance studies of neutron-irradiated DPPH, 21:17657
  - High-temperature recovery of neutron-irradiated rhenium, 24:4823
  - Low temperature α-irradiation of white Sn and subsequent recovery, 25:33426
  - Radiation-induced electrical resistivity in pure metals, 24:27441
  - Reaction order for interstitial-vacancy recombination in cold-worked niobium, 23:1544
  - Recovery of cold-worked molybdenum, 23:41642
  - Recovery of rhenium following low-temperature alpha-particle irradiation, 25:59142
  - Recovery of structural defects in refractory BCC metals after irradiation and after cold work, 22:24375 (BLG-424)
  - Stage V recovery in VIa bcc metals, 25:717
- NIHOUL, J. T. E. Radiation damage and recovery in metals, 24:14822
- NIHOUL, Jacques C. J. Asymptotic law of decay of homogeneous magnetoturbulence, 21:9374
  - Magnetohydrodynamic equations governing the flow of a conducting fluid, 23:18485
- NIHOUL-BOUTANG, G. Further results in direct search for C violating decay mode eta^0 $\rightarrow$ $\pi^0e^+e^-$, 21:31518
- NIIBE, Hideo Effect of ionizing radiation on tumor immunity. II, 23:29409
  - Radiosensitizing action of Ametohepazon on the irradiated tumor tissues. I, 23:16336
  - Tumor tissue structure and radiosensitivity. I, 23:20385
  - Tumor tissue structure and radiosensitivity. II, 23:24734
- NIIHARA, K. Nonstoichiometry of rare earth hexaborides, 25:52453 (CONF-711001-(Vol.2), pp 598-609)
  - Solid solubility in NaCl-type uranium compounds, 22:31469
- NIIHARA, Koichi Preparation and nonstoichiometry of samarium hexaboride, 25:55601
- NIILER, A. D(p,d*)p cross section, 25:3553
  - Interference and rescattering effects in reactions with three particles in the final state, 25:14891 (ORO-1316-97)
  - n-^{4}He elastic scattering near 20 MeV, 25:45904
  - Neutron—neutron interactions in ^{3}H(d,pp)2n, 25:3549
  - Phase shifts from n—^{4}He elastic scattering experiments near 20 MeV, 25:5508 (LA-4465, pp 1.1-2)
  - Phase shifts from n—^{4}He elastic scattering experiments near 20 MeV, 25:53576
  - Polarization of 22 MeV neutrons elastically scattered from liquid tritium, 24:15790
  - Polarization of 22-MeV neutrons elastically scattered from liquid tritium and deuterium, 25:5516 (LA-4465, pp 15.1-2)
  - Proton—proton bremsstrahlung at E/sub p/ = 10 MeV, 23:30928
- NIIMI, Hideyuki Nonlinear density waves in the galaxy gasdynamical approximation, 24:17580
  - Stability of the system of stars, gas, and magnetic fields, 24:19690
  - Two-dimensional steady MHD jet under influence of thermal radiation, 23:3322
- NIIMURA, Nobuo Cryostat for neutron-diffraction experiments, 25:40578
- NIIZEKI, Komajiro Algebra of current and the nonrelativistic quark model, 22:34914
  - Pseudo-tensor meson nonet with negative C-parity in the neighborhood of 1,800 MeV, 23:8803
- NIJENHUIS, J. G. Sub-nanosecond bursts from an AVF cyclotron, 23:17042
- NIJGH, G. J. Isomer with spin $^1/_2$ in ^{196}Au, 21:10044
- NIJPJES, J. M. ZrO_2-coatings on Nimonic alloys, 24:4726
- NIJS, W. W. Fast breeder reactors, 24:5516
  - RCN program for Na-cooled fast reactors, 24:47811
- NIJSEN-VIS, A. L. Plasma formation, heating and stability in a cusped magnetic field by injection of a 20 keV hydrogen ion beam, 25:47554 (NP-18939)
- NIJSEN-VIS, Adri Energy analyzing system for ions with energies between 10 eV and 15.2 keV, 24:25324 (NP-18202)
- NIJSING, R. Analysis of fluid flow and heat transfer in a triangular array of parallel heat generating rods, 21:17496
  - Analysis of liquid metal heat transfer, 24:1987
  - Experimental investigation of velocity distribution and flow resistance in a triangular array of parallel rods, 21:26056
  - IBM 360 computer program for calculation of liquid cooled 7-rod cluster fuel elements, 22:14663 (EUR-3733)
  - Local heat transfer coefficients in spiral-finned reactor fuel rods, 23:23919
  - Organic cooled seven-rod cluster fuel elements, 21:12168
  - Studies on fluid mixing between subchannels in a bundle of finned tubes, 21:32321
- NIJSING, Reinier Heat transfer in tightly-packed fuel rod bundles with liquid metal cooling, 23:38171
- NIKA, G. G. Complementary shock tube technique study of the exchange of hydrogen chloride and deuterium, 25:15582
  - Dynamic sampling of the deuterium hydride self-exchange behind reflected shock waves, 25:54562
  - Rate of exchange of hydrogen and deuterium behind reflected shock waves. Dynamic analysis by time-of-flight mass spectrometry, 25:39498
- NIKAI, Hiromasa Effect of x radiation on rat fetal oral mucosa in tissue culture, 24:41989
- NIKAIDO, O. Comparative studies on rejoining of DNA-strand breaks, 25:26953
  - Dark reactivation of damage induced by ultraviolet light in mammalian cells in vitro, 22:31217
- NIKAIDO, Osamu Radiation and carcinogenesis, 25:8611
- NIKAIDO, Soshiro A-bomb disaster investigation within tunnel-type air raid shelter, 21:39158 (AEC-tr-6858, pp 14-17)
- NIKALAEV, N. S. Complex compounds of uranium hexafluoride with alkali-metal fluorides. I, 24:48101
- NIKANOROV, V. I. Engineering of large spark chambers and power pulse supplying generators, 23:16158 (JINR-P13-4191)
  - Measurement of R parameter and phase-shift analysis of pp-scattering at 600 MeV, 21:18896 (JINR-P1-3167)
  - Measurement of the R parameter and the phase shift analysis of the pp scattering at 600 MeV, 22:5505
  - Methods of detecting particle tracks in liquid and solid media, 25:42053 (JINR-P13-5782)
  - Recording charged particle tracks in the alkali—halide crystals, 24:16892 (JINR-P13-4848)
  - Relativistic rotation of a S = $^1/_2$ spin in collisions of particles moving arbitrarily with respect to the observer, 25:30760
  - Relativistic S = 1/2 spin rotation in collisions of particles moving arbitrary relative to observer, 25:7567 (JINR-P2-5272)
  - Spin correlation in the elastic scattering of polarized 605 MeV protons on protons, 21:17038
  - Technology of building large-size spark chambers, 23:24463 (SLAC-Trans-94)
  - Track chamber with the charge multiplication inside the film electrodes, 25:51891 (JINR-P13-5780)
- NIKANOROVA, N. G. Chemical protection from injury by neutrons, 24:12110
- NIKASHINA, V. A. Calculation and optimization of the demineralization of water for reactors by ion exchange, 25:54737
- NIKESHICHEV, V. N. Spatial distribution of radioactive isotopes, 23:33442
- NIKFETRAT, Ali Report on the late changes in rat liver after whole-body and local irradiations, 21:32751
- NIKI, Eiji Gas chromatography for inorganic compounds, 24:5598
  - Instrumentation for Moessbauer effect, 24:19235
  - Reaction of carbon with nickel-base solid solution alloy containing carbide-forming element, 25:2716
- NIKI, H. Addition reactions of H and D with cis- and trans-butenes at 300°K, 23:43307
  - Kinetic isotope effects in the quenching of $O_2(b^1\Sigma$/sub g/$^+)$ by some deuterated compounds, 25:8249
  - Mass spectrometric studies of rate constants for addition reactions of hydrogen and of deuterium atoms with olefins in a discharge-flow system at 300°K, 25:39497
- NIKIFOROV, A. F. Calculation of opacity of stars, 24:42348
- NIKIFOROV, B. P. Four-baryon weak interactions with $\Delta S = 1$ and SU(6) symmetry, 24:18249
  - Structure of weak interaction $\Lambda + N \rightarrow N + N$ and SU(6) symmetry, 22:48279
- NIKIFOROV, G. D. Vacuum deposition of refractory materials, 23:38943
- NIKIFOROV, N. A. Deuteron generation on nuclei by high-energy protons, 24:28485
  - Methods for monitoring proton incidence on the internal targets of high-energy accelerators, 25:31043 (NP-18776)
  - Methods of monitoring proton discharge onto the internal target of a high-energy accelerator, 25:31064
  - Temporal fluctuations of pulses from FEU-36, 24:11866
- NIKIFOROV, O. A. Possibility of sintering tungsten borides with nickel, 25:52437
- NIKIFOROV, V. I. Charged pion photoproduction on ^{27}Al nucleus, 25:20341
  - Formation system and beam parameters of gamma quanta from a 2 GeV electron accelerator, 24:45702
  - Investigation of aromatic triplet molecules in polystyrene by the method of pulse radiolysis, 25:46520
- NIKIFOROV, V. S. Role of rodents in biogenic migration of U, Ra, and Th, 24:41787
  - Translocation of natural radioactive elements, 24:41785
- NIKIFOROVA, G. P. Relative values of oscillator strengths of spectral lines, 25:27445
- NIKIFOROVA, O. A. Radiation-hygienic assessment of ground burial places for radioactive wastes, 21:24434

NIKIFOROVA, V. A. Changes occurring in certain biochemical and immunological indicators in mice chronically poisoned with ^{90}Sr, 23:22179 (AEC-tr-6944, pp 426-33)
NIKIFOROVA, V. M. New cast acid-resistant steels and alloys, 23:48329
NIKIFOROVA, Z. V. Welding molybdenum and tungsten by tin base solder, 21:18239
NIKIFOROVSKII, A. V. Magnetic characteristics of deflecting magnet and quadrupole lenses for beam forming in the proton synchrotron, 23:32864 (IFVE-OP-68-62)
Parameters of the experimental quadrupole magnetic lens, 22:44563
NIKISHANOV, V. V. Crystal structure of Mo containing ZrC, 25:2743
Crystallization front in electric-arc zone melting, 22:6972
Distribution of C in cast Mo, 25:2702
Effect of C on Mo and Mo alloys, 25:2745
NIKISHANOVA, T. I. Increase of radioresistance in potatoes during anoxia, 22:19397
Increasing the radioresistance of the potato under conditions of anoxia, 22:12939 (N-67-29205, pp 43-8)
Sensitivity of sweet potatoes to ionizing radiation, 25:29721
NIKISHIN, B. K. Angular distribution of secondary pions in π^--N collisions at 17 GeV energy, 22:34864
Distribution of residual effective mass in π^-p interactions at 17 GeV, 22:39294
Evaluation of spin of multipion resonance, 21:13681
NIKISHOV, A. I. Barrier scattering in field theory removal of Klein paradox, 25:1659
Infrared divergences in quantum electrodynamics and states with definite charge parity, 23:15223
Ionization of atoms by an electromagnetic wave field, 21:11424
Pair production by external field, 24:3730
Pair production by photons and photon emission by electrons in the field of an intense electromagnetic wave or in constant field, 21:33642
Quantum processes in a constant electric field, 25:14498
Radiation spectrum of an electron moving in a constant electric field, 23:39652
Simplest processes in the pair-creating electric field, 24:35627
Stripping of electrons from negative ions in constant magnetic field, 25:38618
NIKITCHENKO, V. V. Changes in skin after exposure to laser radiation, 24:27681
Effect of radiation of quantum generator laser on animal liver, 24:4690
NIKITENKO, N. I. Difference method integrating boundary-layer equations in case of compressible fluid flows under conditions of external and internal problems, 23:34966 (SC-T-69-1025)
NIKITENKO, V. I. Dislocation motion in Si under influence of electron beam, 22:34772
NIKITIN, A. Determination of direction of neutral high-energy particle beam JINR synchrophasotron, 21:3244 (JINR-P-2916)
Determination of direction of neutral high-energy particle beam of JINR synchrophasotron by conversion pairs and the γ-quanta spectrum of this beam, 22:45332 (ANL-Trans-640)
NIKITIN, A. A. Expansion device and fast-acting valve for large bubble chambers, 22:47377
First attempt to apply the method of inverse probabilities to the processing of radiometric data, 22:25688
Investigation of the recombination spectra of complex atoms. II, 23:27238
Spectra of nonstationary stars, 25:43030
Study of recombination spectra in astrophysics. I, 22:13129
NIKITIN, A. G. Relativistic equations of motion without redundant components, 25:43654 (ITF-70-89-E)
Relativistic equations of motion without redundant components, 25:53249
NIKITIN, A. M. Light nuclei from ^{235}U neutron fission, 24:6890
Light nucleic yield at ^{235}U fission induced by thermal neutrons, 23:49410
Measurement of cross sections for neutron capture by radioactive /sup 58m/Co, ^{64}Cu, and ^{46}Sc nuclei, 23:3963 (BNL-tr-224)
Neutron capture cross-section measurement by radioactive nuclei /sup 58m/Co, ^{64}Cu, and ^{46}Sc, 22:44674
Pile-neutron burn-up cross section of ^{149}Pm and Sm poisoning, 21:14100
NIKITIN, A. V. Activation of corrosion products in nuclear reactors, 21:12189
Analysis of the reaction np $\rightarrow$ pp π^- from the point of view of Reggeized OPE model, 25:56521 (JINR-P1-5975)
Cross sections of inelastic channels of reactions in np-interactions at the neutron momentum from 2 to 10 GeV/c, 25:30726 (JINR-P1-5665)
Determination of probability of channel realization of nuclear reaction, 21:7820 (JINR-P10-2935)
Determination of the probability that a channel of a nuclear reaction realizes, 21:40490
Energy distribution of neutron dose rate in various shielding materials and compositions, 21:21039
Estimate of admixture to np $\rightarrow$ ppπ^- reaction at neutron momentum from 2 to 10 GeV/c, 24:1505 (JINR-P1-4642)
Inelastic (n,p) reactions neutrons energies of 2 to 10 GeV. I, 23:44590 (KFK-tr-287)
Inelastic np interactions at 2 to 10 GeV. III, 22:44319 (JINR-E1-3940)
Inelastic np interactions at energy from 2 up to 10 GeV, 23:30702
Inelastic np-interactions at 2 to 10 GeV. II, 21:18895 (JINR-P1-3145)
Inelastic np-interactions at 2.10 GeV. I, 22:46323 (JINR-P1-3909)
Methods of separation of nuclear reaction channels while bombarding bubble chamber with 2 to 10 GeV neutrons, 22:39424 (JINR-P1-3881)
N$\pi\pi$ combination in np $\rightarrow$ p$\pi^+\pi^+\pi^-\pi^-$n(mπ^0) at 2 to 10 GeV, 23:25517
Reaction np $\rightarrow$ ppπ^- for the incident neutron momenta from 2 up to 10 GeV/c, 25:14551
Research on reactor water loop, 21:21783
Search for nucleon isobar with T = 5/2 in np-interactions, 21:17033 (JINR-P1-3146)
Search for the nucleon T = 5/2 isobar in the np-interactions, 21:44265
Separation of nuclear reaction channels in the exposure of a bubble chamber to the 2 to 10 GeV neutron beam, 23:27825
NIKITIN, Andrei New transuranium element found in nature, 25:20376 (ORNL-tr-2428)
NIKITIN, E. E. Angular distribution of products of reactions proceeding through formation of a long-lived complex, 25:58773
Excitation transfer in collisions of highly excited alkali atoms. I, 25:16820
Excitation transfer in collisions of highly excited alkali atoms, 25:43133
Gyroscopic interpretation of two-state hypergeometric models of non adiabatic coupling, 25:14033
Problems connected with the investigation of elementary processes in low-temperature plasma, 21:20958
Quasistationary states in a conical potential well, 23:22916
Transitions between alkali metal atoms in adiabatic collisions. I, 21:40081
Transitions between fine-structure components of alkali-metal atoms in adiabatic collisions. II, 22:2800
NIKITIN, I. V. Formation and transformation of radicals in meso-inositol under the effect of γ-radiation, 24:29335
NIKITIN, K. A. Covering graphite with niobium from a vapor—gas mixture, 25:8917
NIKITIN, L. P. Hyperfine interaction fields for heavy elements dissolved in iron, 21:27240
NIKITIN, L. Ya. Changes in structure and properties in γ-irradiated crystallizable chloroprene rubber, 25:35590
NIKITIN, M. D. Radiobiological experiments on Cosmos-110 biosatellite, 23:12238 (JPRS-46977)
NIKITIN, M. K. Palladium-99 γ radiation, 25:28431
NIKITIN, M. M. Experimental study of the linear polarization of synchrotron radiation of high-energy electrons, 25:22944
NIKITIN, O. T. Separation of isotopic hydrogen molecules on synthetic zeolites of A, X, and Y type in various forms, 22:14726
Separation of isotopic molecules of hydrogen on H-form of synthetic zeolites, 22:42843
NIKITIN, P. N. Influence of beta-stabilizers on the strength and plasticity of titanium at low temperatures, 25:29844
Investigation of mechanical properties of new titanium alloys at low temperatures, 25:22084
Investigation of part of Ti—Ta—V phase diagram, 24:21386
Study of mechanical properties of new titanium alloys at low temperatures, 24:46733
Study of phase equilibria in the titanium—tantalum—molybdenum system in the titanium corner, 25:55565
NIKITIN, S. A. Effect of dissolving terbium by yttrium on the helicoidal structure of terbium—yttrium alloys, 22:22244
Effects of pressure on the galvanomagnetic effect and the critical field in a dysprosium single crystal, 24:49266
NIKITIN, V. A. Analysis of low-energy particle tracks in a Wilson chamber, 21:6289
Autofocusing with a slave rectifier for an electrostatic accelerator, 25:7769 (FEI-189)
Experimental study of nuclear amplitudes in forward elastic processes at high energies, 22:13755
Formation and catching of a gas H jet in vacuum, 21:46613 (JINR-P13-3425)
Forming and trapping of a gaseous hydrogen jet in a vacuum, 24:35727 (BNL-tr-346)
Measurement of pp and pd scattering at 4.0 Gev, 21:883
Real part of elastic pn-scattering amplitude at energy 4 GeV, 25:17374
Studies of a secondary emission monitor for electron beams, 21:6283
XII international conference on high energy physics, Dubna, 8/64. II, 21:40142
NIKITIN, V. D. Relaxation lengths in water, 23:34705 (IAE-1612)
Relaxation lengths in water, 24:52384
Rethermalization lengths in graphite and in water, 23:34706 (IAE-1613)
Rethermalization lengths in graphite and water, 24:52383
NIKITIN, V. I. Mechanisms of the effects of a liquid metal medium on solid metals in stressed state, 23:50984 (JPRS-48330, pp 478-85)
NIKITIN, V. P. Electronic properties of nonstoichiometric vanadium monocarbides, 25:30667
Superconductivity of titanium carbide, 25:5038
NIKITIN, Yu. Capture of negative muons by pure Ni and Cr isotopes, 21:1048
NIKITIN, Yu. E. Extraction capability of sulfoxides. II, 25:15733
Extraction capability of sulfoxides. III, 25:15734
NIKITIN, Yu. P. Angular and momentum distributions of μ^+ mesons from W$^+$-boson decay in reaction τ/sub μ/ + Z $\rightarrow$ μ^- + Z + W$^+$, 25:59413
Angular and momentum distributions of μ^- mesons in reaction τ + Z $\rightarrow$ μ^- + W$^+$ + Z, 25:59414
Coherent dissociation $\pi \rightarrow 2\pi$ in nuclear field and the possibility of observing the $\gamma\pi \rightarrow 2\pi$ reaction, 22:32084
Concerning the nature of the A_1 resonance, 21:23334
Cross section for production of W boson by high-energy neutrinos in the electromagnetic field of a proton, 25:56473
Detecting the W boson, 23:32682
Gamma$\pi \rightarrow \pi\pi$ in the veneziano model and reactions $\pi \rightarrow 2\pi$ in the coulomb field of nuclei, 23:51892
Mass spectrum of $K^0\Lambda^0$, 23:30716
Modified model of complex momenta and its application to resonance nuclear reactions, 25:23102
Photoproduction of bosons on nuclei with S = T = 0, 22:3319
Polarization effects in vector meson production in πN-collisions at high energy, 21:40234
Possibility to observe rho'' daughter resonance in $\pi \rightarrow 2\pi$ reaction in nuclear field, 25:9786
Production of pseudoscalar mesons in coulomb field of nucleus and possibility of observing photoproduction of mesons from mesons, 22:41823
Regge poles and polarization effects in resonance nuclear reactions, 21:17397
Spin structure of the photoproduction amplitude at high energies, 21:21173
Use of nuclear targets for investigating boson resonances, 22:11667
W-boson production (2 to 30 GeV) in a neutrino beam, 23:30740
NIKITINA, A. A. Electrochemical deposition of Re—W alloy. I, 23:48378
NIKITINA, G. P. Sorption of ions of heavy metals by phosphate sorbents by infrared spectroscopy. II, 23:21784
NIKITINA, G. T. Instabilities in current flow in Ti—22 at. percent Nb, 25:7338
NIKITINA, G. V. Energies of mixing in systems containing germanium and silicon with elements of groups III and V, 25:42970
NIKITINA, I. V. Change in the nature of the radiation protective effect of propyl gallate during proton irradiation of potatoes, 23:12146 (JPRS-45483, pp 21-6)
Changes in the nature of the radiation shielding effect of propyl gallate during proton bombardment of potatoes, 22:45639
Changes of the radiation effect in plants exposed to space flight factors, 23:6609
Increase of radioresistance in potatoes during anoxia, 22:19397
Increasing the radioresistance of the potato under conditions of anoxia, 22:12939 (N-67-29205, pp 43-8)
Radiosensitivity of potatoes to gamma- and proton irradiation applied to tubers and eyes before planting, 23:6608
NIKITINA, K. I. Essential differences and treatment of hemorrhagic syndrome in acute radiation sickness provoking the infection and causing its intoxication, 21:45686
NIKITINA, N. G. Conditions for the ion exchange concentration and determination of microimpurities in substances of high purity, 21:1295
Luminescent determination of Gd, Eu, and Sm in metallic U, 23:37889
NIKITINA, N. S. Radiative polarization of free relativistic electrons in a magnetic field, 25:12060
Theory of synchrotron radiation in the movement of electrons in a spiral, 23:49025
NIKITINA, N. V. Angular distribution of fragments from ^{238}U photofission, 21:7805
Photofission cross section of ^{226}Ra, 25:53787
Prevention of the coagulation of grains of microdispersed powder introduced in nuclear emulsions, 23:16103
NIKITINA, O. I. Analysis for B and Ce in steel, 23:37871
NIKITINA, O. V. Interaction of graphite fresh surface with different gases and vapours, 21:41689
Valency state of peripheral carbon atoms on the surface of a fresh graphite fracture, 21:24835
NIKITINA, R. G. Extracorporeal irradiation of the blood and lymph, 23:29685
NIKITINA, S. A. Application of alkylammonium salts for dissolution of inorganic compounds. III, 23:28846
Application of alkylammonium salts for dissolution of inorganic compounds. IV, 23:28975
Application of alkylammonium salts for dissolution of inorganic compounds. VI, 23:43311
Concerning extraction of U(VI) from aqueous solutions of HF + $H_2C_2O_4$ with trioctylamine, 24:2288
Investigation of complex formation in the extraction system UO_2^{2+}—HF—HNO_3—TOA by spectroscopic methods, 24:19072
Investigation of complex formation in the system UO_2^{2+}—H_2SO_4—HF—TOA, 25:18381
Uranyl oxalatofluoride complexes, 24:2199
NIKITINA, S. D. Thermodynamics of system Ca—W—O, 22:16504
NIKITINA, T. F. Frequency—time spectra of microwave impulse signals, 23:49289
NIKITINA, T. P. Sectorial growth of cubic crystals of boron nitride, 24:23527
NIKITINA, V. I. Calculation of direct nuclear reactions by the distorted wave method, 21:2775
Geometrical reconstruction program for large chambers, 22:38080 (CERN-Trans-67-8)
Program of geometrical reconstruction for big bubble chambers (variant 1-6), 22:49113 (ANL-Trans-668)
NIKITINA, Yu. P. Physical experiments on 1000-GeV cybernetic proton accelerator, 22:41881 (AEC-tr-6936)
NIKITINA, Z. A. Penetration of ^{90}Sr through placental barrier in cows, 25:24002
NIKITINSKAYA, T. I. Changes in the electrical properties of fluorite caused by irradiation, 21:27242
Changing of conductivity and the optical absorption of fluorite due to irradiation in reactor and synchrocyclotron, 22:26507
Density changes and optical absorption of LiF single crystals after irradiation, 23:20994
Radiation-induced current and photon-induced deflection of electrons in dielectrics, 24:35537

NIKITINSKII, V. A. Effective selection of electrons from plasma into vacuum, 24:23974
  Efficient selection from plasma of high-density electron currents into a vacuum, 23:52078
NIKITITS, I. V. Radiolysis of aqueous solutions of ribose, 23:11559
NIKITOVA, G. A. Dislocation relaxation in molybdenum and niobium monocrystals, 24:17246
NIKITSKII, A. V. Effect of radiation on the mechanical properties of polyethylene films of low density, 25:45157
NIKITUSHEV, Yu. M. Backscattering of electrons of different energies from semi-infinite barriers, 25:7136
  Calculation of deceleration recoil of atoms in the bcc lattice of vanadium taking into consideration many-particle interaction, 25:40823
  Calculation of spectra and absorbed doses behind a shield produced by electrons of earth's radiation belt, 25:33393 (ORNL-tr-2463)
  Estimate of spectra and absorbed doses for shielding against radiation resulting from electrons in Earth's radiation belt, 24:35523
NIKITYUK, L. Probability of the process (μ^-,τ) on ^{27}Al, ^{28}Si, ^{51}V nuclei, 24:52499
NIKITYUK, L. N. Defects in Ge irradiated by high-energy protons, 23:51754
  Experimental determination of (μ^-,τ)-reaction probability on ^{7}Al, ^{28}Si, and ^{51}V nuclei, 24:30743
  Probability of reaction (μ^-,τp) on ^{28}Si and ^{39}K nuclei, 25:34066
  Probability of the (μ^-, τ) process of ^{139}La and ^{208}Pb nuclei, 25:56739 (JINR-P1-6006)
  Production of carrier-free ^{47}Ca, 24:44030
NIKITYUK, N. M. System for registration and computer input of information from a 32-wire spark chamber, 24:11842
NIKKARI, T. Triiodothyronine uptake test in gynecologic radiation therapy, 23:41494
NIKL, I. Demountable phantom of variable geometry for intrapelvic dosimetry in pregnancy, 21:22448
  Development of media suitable for dose measurement, 24:34332
  Dose measurement media in animal experiments, 24:34329
  Exposure to maternal ovaries from pregnancy radiographs, 22:2513
NIKL, Istvan Radiation burden to bone marrow in radiotherapy of non-blastomatous diseases of the spinal column, 25:32603
  X-ray quality in gynecological studies, 21:18043
NIKLAS, A. Formation of bands of additional absorption in ruby crystals due to x radiation, 25:36308
  X-ray-luminescence of ruby monocrystals, 22:11507
NIKLAS, J. Optical properties of amorphous InSb, GaSb, and GaAs, 25:2056 (UCRL-Trans-10480)
NIKLAS, K. Training and continuous education in the radiation protection field for medicine, 25:35147
NIKLAS, Wilfrid F. Image intensifying chains for medical scintillation cameras, 22:4542
  Improved neutron image intensifier tube, 21:32521
  Thermal-neutron image intensifier, 22:4540
NIKLAUS, J.-P. Scattering of subthermal neutrons by defects in neutron-irradiated aluminum, 22:31967
NIKODEM, Robert Bruce Stoichiometry hysteresis in PrO/sub x/—O_2 system below 500°C. A and B, 24:17382
NIKODEMOVA, D. Utilization of polymer-gelatin nuclear emulsions for fast neutron dosimetry, 25:55057
NIKODEMOVA, Denisa Activation spectrometry of fast neutrons by IAEA threshold detectors at neutron generators, 24:7641
  Fast neutron scintillation detector with gamma radiation discrimination, 22:36053
  Methods of determination of fast-neutron spectra from threshold—foil activation data, 25:42100
  Polymer—gelatin nuclear emulsions for fast neutron dosimetry, 24:19246
NIKOGOSYAN, S. V. Research data on the standardization of EMF's in short- and ultrashort-wave ranges, 21:36714
NIKOLAENKO, A. A. Polygonization and crystal structure of beryllium, 24:48854
  Recrystallization of rolled Be, 25:699
NIKOLAENKO, A. P. Diurnal variations of the natural frequencies of the Earth—ionosphere resonator, 23:3344
NIKOLAENKO, K. Activation analysis of metals for oxygen by using neutron generators with sealed tubes, 24:38794
NIKOLAENKO, O. K. Sensitivity of the determination of oxygen by fast neutron activation, 22:6285
  Some rapidity criteria of neutron-activation analysis, 21:17595
  Use of neutron radiation in medicine, 21:39451
NIKOLAENKO, V. A. Radiation damage in diamond, 22:7073 (LB/G-2582)
  Use of diamond as a reference standard for irradiation conditions, 25:39236 (LB/G-3027)
  Use of irradiated diamonds for temperature measurement, 25:55104
  X-ray diffractometer with ionization chamber, 21:1604
NIKOLAENKO, V. S. Influence of transverse magnetic field on convective heat exchange during turbulent flow of conducting liquid, 22:43970
  Thermionic source of lithium glass, 24:12670 (IAE-1810)
NIKOLAEV, A. G. Cosmic-ray research with aid of Kosmos-53 satellite, 22:21966
  Cosmic-ray studies in interplanetary space and on the moon, 21:46186
  Highly effective detector of the polarization of x radiation, 22:36066
  Measurement of penetrating radiation intensity at the moon's surface, 21:13409
  Measurement of solar protons in 1 to 5 MeV range by Zond-3, Venera-2, and Venera-3, 22:11276
  Measurement of solar protons with energies of 1 to 5 MeV by the Venera-2, Venera-3, and Zond-3 space probes, 21:20650
NIKOLAEV, A. I. Action of hydrocortisone and irradiation on immunogenesis, 25:32368
  Autoantibodies in patients treated with ^{131}I, 24:46675
  Autoimmune process in acute radiation sickness and the effects of antibiotics on its development, 22:21446
  Content of free radicals in tissues of rats irradiated with γ-rays and fast neutrons, 24:9760
  Effect of complex compounds of cobalt and iron on processes of liver regeneration in irradiated animals, 25:16355
  Influence of complex compounds of trace elements on the rate of incorporation of ^{14}C—glycine into γ-globulin and antibodies of nonirradiated and irradiated rats, 22:10853
  Interrelations of changes in content of proteins, vitamins, and inorganic substances in blood of irradiated rabbits, 21:34596
  Radiosensitivity of the inductive and productive phases of antibody, 25:26680
  Regeneration of lymphoid tissue and lifetimes of skin transplants in irradiated animals, 24:17136
NIKOLAEV, A. N. Epithermal neutron converter of B-2 beam of the BR-5 reactor, 22:18565
  Spatial, energy, and angular distributions of neutrons in lithium, 25:3538
NIKOLAEV, A. V. Activation determination of impurities in trichloromethyl silane with extractional separation of the elements, 21:35854
  Calculation of accumulation of isotopes of transplutonium elements during neutron irradiation of various starting materials, 25:15691
  Correlation between solubility and the extent of complexon substitution when poorly soluble compounds are dissolved in complexon solutions, 21:23875
  Distribution and separation diagrams in system $LU(NO_3)_3$—HNO_3—H_2O—$(C_4H_9O)_3PO$ at 25°C, 23:6199
  $EuCl_3$-$6H_2O$-base solid solutions of rare-earth element chlorides, 23:27196
  Extraction in the system $Nd(NO_3)_3$—HNO_3—H_2O—$(C_4H_9O)_3PO$, 24:9467
  Extraction isotherms and distribution diagrams in tetracomponent systems, 21:4599
  Extraction of uranyl salts with tri-n-octylamine oxide, 21:10436
  Investigation of the energy balance of a plasmatron with opposite jets, 22:9386
  Kinetic mechanism for the contamination of a precipitate by impurities, 21:23872
  Kinetics of uranyl nitrate extraction by tributyl phosphate solutions in benzene, 21:40973
  Macroporous phosphonic resins, 22:4086
  Phase equilibria in binary and ternary systems, 22:6407
  Porous organophosphorous cation exchangers, 22:33354
  Results of systematic investigations of extraction of nitrates of rare earths, Th, and U by TBP, 24:39031
  Solubility isotherms for $Th(NO_3)_4$—HNO_3—H_2O and $UO_2(NO_3)_2$—$Th(NO_3)_4$—HNO_3—H_2O systems at 25°C, 21:23892
  Solubility of uranium peroxide, 22:16486 (LA-tr-68-4)
  Sorption characteristics of macroporous phosphonic resins, 22:4092
  Thermochemical study of the extraction of the light lanthanide nitrates by tributyl phosphate, 22:18907
  Thermochemistry of binary systems. II, 21:17638
NIKOLAEV, A. W. Extraction of rare elements and nitric acid in systems $Ln(NO_3)_3$—HNO_3—H_2O—TBP, 24:9466
NIKOLAEV, B. I. Cascade rate functions for separating multicomponent isotopic mixtures, 25:10782
  Certain dispersion effects in molecular gases in parallel constant and alternating magnetic fields, 25:43516
  Designing multicomponent isotope separation cascades, 25:13179
  Ionic component of cathodic sputtering of a copper single crystal, 24:44977
  Isotope separation in a three-step mercury mass diffusion column, 22:42985
  Mass-diffusion mercury columns for isotope separation, 25:29277
  Mercury mass-diffusion column for isotope separation, 21:161
  Two-cascade energy-mass analyzer, 22:30913
NIKOLAEV, D. L. Wire spark chamber of discrete operation, 22:38089
NIKOLAEV, D. S. Direct method for determining small quantities of radon in natural waters by means of preliminary concentration on activated carbon, 21:4443
  Geochemical balance of radioactive elements in Black Sea and Azov Sea, 21:4635
  Geochemical balance of radioactive elements in basin of Black and Azov seas. II, 24:19117
  Geochemistry of Ra isotopes in Black and Azov seas and some estuaries, 21:4638
  Natural radioactivity of the waters and sediments in the Black Sea and the Sea of Azov, 21:8474 (AEC-tr-6641, pp 10-13)
NIKOLAEV, E. P. Correlation of γ quanta in the x-ray band, 23:23689
NIKOLAEV, F. A. Absorption cross section of γ quanta by ^{19}F, ^{24}Mg, ^{27}Al, and ^{40}Ca nuclei in the region of the dipole giant resonance, 21:19218
  Gamma-ray absorption cross section for sulphur nuclei in giant dipole resonance region, 23:13237
  Gamma-ray absorption cross sections of ^{19}F, ^{24}Mg, and ^{40}Ca in the 10- to 30-MeV energy region, 21:2668
  Gamma-ray absorption cross sections of ^{19}F, ^{24}Mg, ^{27}Al, and ^{40}Ca in the giant dipole resonance region, 22:7686
  High-current pulse discharge in lithium, 25:33238
  Photoabsorption cross section by ^{9}Be nuclei in the region of giant dipole resonance, 23:39949
NIKOLAEV, G. I. Atomic absorption spectrum method for determining heat of sublimation of refractory metals, 25:37959
  Characteristics of the atomic-absorption determination of molybdenum in a graphite cell, 23:47380
  Determination of O and N in metals using fluxes enriched with ^{18}O and ^{15}N isotopes, 25:41748
NIKOLAEV, G. N. Argon heating dc plasmatron with potassium as additional agent, 23:10674
  Heat fluxes to electrodes with laminar flow of Ar—K plasma, 25:33288
NIKOLAEV, G. T. Determination of penetration coefficient of fast H_1^+ ions into metals by condensation method, 22:26203 (NP-tr-1631)
  H_1^+ fast ion interaction with metal surfaces in ultrahigh vacuum, 21:19886
  Penetration coefficient of fast H^+ ions in metals, 22:7166
NIKOLAEV, I. A. Autoimmune process in acute radiation sickness and the influence of antibiotics on its development, 21:11023
NIKOLAEV, I. N. Angular distribution of a substance having been vaporized by a laser beam, 24:16395 (SC-T-70-4007)
NIKOLAEV, K. N. Analysis of ^{34}Cl decay positron branch, 23:44857
  Moments of inertia and the energy gap parameters of deformed even—even nuclei in rare-earth region, 25:7858
NIKOLAEV, M. Doppler effect in fast reactors, 23:52325 (JPRS-48331, pp 280-300)
NIKOLAEV, M. N. Average characteristics of the probability ratio for capture and fission in the resonance and epiresonance region, 24:52549 (BNL-tr-367)
  Cross-sections for radiative neutron capture by ^{238}U nuclei, 25:15125
  Cross-sections for radiative neutron capture by ^{238}U nuclei, 25:34073 (INDC(CCP)-11/U)
  Doppler effect in ^{238}U in shield of uranium oxide reactor BR-1, 22:7920 (ANL-Trans-540)
  Evaluation of nuclear data in the soviet union, 24:18827 (KFK-tr-293, pp 2-35)
  Fast-reactor physics work on BR-1, IBR, and BFS reactors, 23:52411 (JPRS-48331, pp 199-257)
  Installation for the remote control of samples in the neutron beam, 22:35979
  Investigation of Doppler effect in ^{238}U in oxide blanket of BR-1 reactor, 22:35640
  Method of calculating group cross sections in the area of unresolved resonances, 25:22949 (JPRS-52290, pp 25-45)
  Method of subgroups for accounting of resonance structure of cross-sections in neutron calculations. I, 24:46112
  Methods for calculating group average cross sections in the unresolved resonance region, 24:52365 (NP-18368)
  Neutron propagation in U dioxide. I, 22:53425
  Neutron propagation in U dioxide. II, 23:1765
  Physical problems in developing fast power reactors, 21:15711
  Research in reactor physics by time-of-flight method, 21:34165
  Resonance detector measurements of neutron spectra up to 3 kev, 21:2687
  Spatial-energy distribution of neutrons in thorium, 22:44580
  Subgroup method and its realization in a diffusion approximation, 21:21735
  Supplying fast reactor neutron calculations with group constants and the requirements for nuclear data, 23:52452 (JPRS-48331, pp 2-50)
  Temperature dependence of structure of ^{238}U cross sections in unresolved resonance region, 24:47938 (NP-18369)
  Temperature dependence of the total cross-section structure, 25:15093
NIKOLAEV, N. A. Research center of nuclear reactors, 22:7829
NIKOLAEV, N. E. Optimization by the mathematical design method of the radiochemical synthesis of dibutyltin dibromide, 25:48504
NIKOLAEV, N. N. Calculation of KN and anti KN forward scattering amplitudes from dispersion relations with the violated Pomeranchuk theorem, 25:38749
  CP violation and models with supplementary particles, 25:9827
  Decays of degenerate or almost degenerate states, 24:8619
  Experiments on search for mirror K^0 mesons, 22:48283
  Interference of ^{8}Be levels, 24:13281
  Possible experiments on search for mirror K^0 mesons, 22:39353
  Violation of invariance, 25:45776 (ITEF-797)
  Y(1327) hyperon, 25:5385
NIKOLAEV, N. S. Complex fluoride compounds in binary and ternary systems, 22:45071
  Reaction of UF_6 with trifluoroacetic acid, 25:6300
  Uranium hexafluoride with alkali metal fluorides. II, 24:36216
NIKOLAEV, O. A. Gamma quanta angular distributions in fast neutron inelastic scattering on nuclei Fe, Al, and Cu, 22:35260
NIKOLAEV, R. K. System of $ReOCl_4$—$WOCl_4$ and purification of rhenium oxytetrachloride by fractionation, 22:4899
NIKOLAEV, R. M. Adjustment of the "Sirius" stellarator, 21:31389 (MATT-Trans-39)
  Alignment of magnetic system in Sirius, 22:19939 (NP-tr-1632)
  Closed magnetic trap with spiral field "Sirius", 22:7261
  Current heating of plasma in a closed magnetic trap, 22:46114 (N-68-24459)
  Excitation of the fast magnetoacoustic wave in the stellarator plasma, 22:7275 (MATT-Trans-43)
  Interaction of a beam of runaway electrons with the plasma in a stellarator, 22:9276 (MATT-Trans-44)

Sirius closed magnetic trap with helical field, 22:26356 (NP-tr-1620)
Turbulent plasma in a stellarator, 23:36734 (FTI-190)
Vacuum system of the stellarator Sirius, 23:12757
NIKOLAEV, S. P. Significance of radioactive particles in atmosphere, 21:43379
NIKOLAEV, V. A. Effect of high temperature neutron irradiation on mechanical properties and cold brittleness of single and polycrystalline molybdenum, 22:52217
Effects of cold hardening and neutron irradiation on X18H10T steel, 24:17335
Experimental neutron physical parameters of CO-1 assembly, 24:18736
Experimental studies of experimental reactor IR-100, 25:18194
Fission products from spontaneous fission of ^{238}Pu, 25:36782
Influence of neutron flux on dispersion-hardening steels, 25:4817
Neutron irradiation softening of steel, 23:51083
Research and training reactor IR-100, 21:21778
RG-1 reactor for geological research, 21:12249
NIKOLAEV, V. F. Uranium and thorium in the Temirsh granite massif and their significance for the age correlation of intrusive formations, 24:50470
NIKOLAEV, V. I. Effect of resonance perturbation of accelerator magnetic field on stability of particle motion, 22:39511
Effect of resonant magnetic field disturbances on stability of particle motion with beam control system, 22:32341 (CEAL-2000, pp A109-10)
Measuring the Coulomb frequency-shift of betatron oscillations, 25:20171
Nonlinear resonances in fluctuations of quadratic nonlinearity of magnetic field in protron synchrotron ITEF, 21:23379
NIKOLAEV, V. M. Calculation of the photoionization cross sections for nitrogen and oxygen atoms and ions in a state of excitation, 21:5070
Effect of internal α irradiations on characteristics of anion exchanger AB-23M, 24:38951
Experiment on beam extraction by electrostatic deflector from JINR 2-metre isochronous cyclotron, 24:28645 (JINR-P9-5037)
Intensity of emission continuum of the negative nitrogen atom, 23:34267
Ion motion in center of JINR 2-meter isochronous cyclotron, 24:35729 (JINR-P9-5032)
Linear electron accelerators for sterilization and radiation chemistry, 24:24485
Linear electron accelerators for use in industry, 24:15733
Parameters of accelerated ion beams from 2-meter JINR isochronous cyclotron, 24:35730 (JINR-P9-5048)
Radiocolloids in sorption systems. V, 21:4493
Radiocolloids in sorptive systems. IV, 21:3053
Separation of actinides and lanthanides on Zr phosphate. I, 25:57550
Separation of actinides and lanthanides on Zr phosphate. II, 25:57551
NIKOLAEV, V. S. Calculation of effective cross sections for loss of K-electrons by fast helium-like ions colliding with hydrogen and helium atoms, 22:31626
Calculation of the effective cross sections for proton charge exchange in collisions with multielectron atoms, 21:3685
Cross sections for loss of K electrons by fast hydrogen-like ions on collision with nitrogen atoms, 25:49743
Effect of electron bound-state structure on ionization in atomic collisions, 24:32639
Electron loss and capture cross sections for multiply charged ions in solid matter, 25:58695
Equilibrium charge distribution in a beam of fast heavy ions, 25:22351
Equilibrium charge distribution in heavy-element ion beams, 23:8478
Metastable states of multiply charged ions, 22:34249
NIKOLAEV, Yu. G. Modifications in construction and study of physical characteristics of IRT-2000 reactor, 22:16297 (JPRS-43924)
NIKOLAEV, Yu. M. Determination of strontium in human bone tissue, 23:26152
Determining the ^{90}Sr content of bones, 25:39794 (AEC-tr-7232, pp 104-11)
Distribution of solar-wind disturbances caused by chromospheric flares, 25:9356
Effect of a magnetic field on the growth of Taylor instability in compressible conducting fluids, 23:5279
Gravitational instability of plasma in a magnetic field, set perpendicularly with respect to the wave vector, 21:809
Interaction of cosmic protons with the interplanetary plasma, 23:30368
Magnetic field influence on Taylor instability development compressible conductive fluids, 22:43979
Modulation of galactic cosmic rays by processes in the active regions of the sun, 21:46187
Transformation of the electric field during the propagation and transition of an acoustic wave into plasma waves, 23:32249
NIKOLAEV, Yu. V. Investigation of the separation of nitrogen and oxygen isotopes by nitrogen oxide distillation, 21:19739
Nucleotide composition of DNA fractions of bone marrow in normal and x-irradiated animals, 22:33737
NIKOLAEVA, A. A. Radiolysis of chlorocarbons, 21:122
NIKOLAEVA, A. P. Productivity of irradiated potato tubers, 25:32621
NIKOLAEVA, E. M. Migration of ^{90}Sr in biological chain and possibilities of its reduction in the latter, 25:24026
NIKOLAEVA, E. N. Skin sensitivity to ultraviolet irradiation, 22:6899
NIKOLAEVA, E. R. Amperometric titration of molybdenum(VI) by vanadium(II) and chromium(II), 22:30492
Coulometric titration of Se(IV) and Te(IV) using electrolytically generated Sn(II), 23:24081
NIKOLAEVA, I. N. Structure of In_2O_3 films made by reactive cathode sputtering, 25:49562
NIKOLAEVA, L. A. Concerning the enteral vaccination of the irradiated mice with heated typhoid vaccine, 24:50780
Immunity with enteral vaccination of the irradiated body, 24:12016
Vaccination of irradiated mice with heated typhoid vaccine, 25:46757
NIKOLAEVA, L. S. Application of plan B for study of extraction process for separation of Zr and Hf, 23:28971
NIKOLAEVA, N. D. Investigation of the amount of RNA in the cells of the spinal cord during gamma irradiation, 21:6438
NIKOLAEVA, N. N. Change in phosphatase and succinate dehydrogenase activities in the mucous membrane of the small intestine during radiation damage in early ontogenesis, 23:38466
NIKOLAEVA, N. V. Changes of the cardiovascular system in erythema patients treated with ^{32}P, 22:31215
Protection of DNA against radioinduced fractionation with propylgallate, 21:12946
Radiation properties of DNA, 22:47480
NIKOLAEVA, O. N. Chemical-spectrographic method for determination of rare earths in La and its oxide, 25:37295
NIKOLAEVA, V. A. Emissivity and electrical resistivity of TaC at very high temperatures, 24:51214
Emissivity of carbides of Ta and Hf over range 1300 to 3000° K, 25:8930
NIKOLAEVA, V. N. Diffusion of molybdenum in copper by measuring the thermal emf, 21:6814
Thermal-tinting of phases in molybdenum alloys, 23:14365
NIKOLAEVSKII, E. S. Atlas of distributions, 24:10692 (ITEF-700)
Measurement of angular eτ-correlation at free neutron decay, 21:44258
Method of steepest descents, 22:44952 (ITEF-561)
Methods to calculate phase-space integrals and distributions, 23:30687
Peripheral particle generation at high energy, 24:37806
NIKOLAEVSKII, L. S. Optical investigations of the air plasma excitation process in electromagnetic shock tubes, 21:23218
Recombination and bremsstrahlung radiation of electrons in a field of O II and N II ions, 23:10633
NIKOLAI, Thomas F. Thyroxine-binding globulin, 23:11957 (CONF-671111-, pp 315-24)
NIKOLAICHUK, A. D. Preparation of Mo and Re foils for nuclear studies, 21:6780
NIKOLAICHUK, L. I. Charge exchange of alkali metal ions in alkali metal vapor and inert gases, 23:46246
Collisions of fast Li, Na, and K atoms and ions with alkali metal and noble gas atoms (20 to 155 keV), 24:21601
Effect of density and aggregate state of target on the charge composition of Li, Na, and K ions, 21:26985
NIKOLAISHVILI, Sh. S. Calculation of angular distribution of neutrons in nuclear reactors, 23:47331
Calculation of two-dimensional reactors by multigroup eigenfunction method, 23:15715
Correlation of differential methods for resolving transport equations, 23:46532
Numerical method for asymptotic solution of the one-velocity transport equation, 23:46533
Solution for a one-velocity problem on neutron space distribution in the sphere with a cavity, 23:46530
NIKOLAYENKO, V. A. Role of focusing collisions in the process of radiation annealing of point defects in diamond, 22:15573 (NP-tr-1612)
NIKOLAYEV, Yu. M. Interaction of cosmic protons with interplanetary plasma, 23:44194 (N-69-22887)
NIKOLAYSHVILI, Sh. S. Methods of calculating fast reactors, 23:52454 (JPRS-48331, pp 82-105)
NIKOLEAV, R. M. Closed magnetic trap with a helical field "Sirius", 22:9277 (MATT-Trans-45)
NIKOLENKO, D. M. High-efficient pair magnetic spectrometer, 23:7780
Use of the electron storage ring for experiments on the electron excitation of nuclei, 23:46868
NIKOLENKO, V. G. Choice of proper set neutron—deuteron scattering lengths, 21:18900
Determination of spins of ^{165}Ho neutron resonances, 21:25509 (JINR-P3-3208)
Neutron—deuteron scattering lengths from experiments on transmission of polarized neutrons through a polarized deuteron target, 21:11961 (JINR-E3-3030)
NIKOLIC, M. Analysis of radioisotope thickness gauge as a regulation system subassembly, 24:41705
Analysis of scattering and decay, 23:49214
Kinematics and multiparticle systems, 23:49065
Methods in subnuclear physics. I, 23:10771
Methods in subnuclear physics. III, 23:49062
Methods in subnuclear physics. II, 23:14999
NIKOLIC, S. Early effects of homologous DNA of irradiated L-strain cells, 23:12140 (AEC-tr-6646/4A, pp 151-4)
NIKOLINA, A. A. Angular distribution of the low energy neutrons from the nuclear μ-capture in sulfur and calcium, 25:59738 (JINR-P1-6029)
NIKOLOFF, I. Proper motions in field of NGC 6475, 24:25849
NIKOLOFF, K. Gamma-ray spectrometric control of water in primary coolant circuit, 22:18572
NIKOLOPOULOS, P. New results in the field of cermets with idealized structure by isostatic hot-pressing of coated particles, 25:47153
NIKOLOPOULOS, P. N. Progress in the field of MHD energy conversion, 21:46199
NIKOLOTOVA, Z. I. NMR studies on extraction of U using phosphoorganic compounds. I, 24:39023
Study of the extraction of phosphorus-organic compounds by NMR, P, and H, 25:15739
NIKOLOV, A. Casimir operators for group O(n), 23:44687
Classification and mass formulas for mesons in ladder U(6,6) symmetry, 25:59546
Complete set of commuting operators for group O(n), 23:44686
NIKOLOV, A. V. Casimir operators for group O(n), 21:35320 (JINR-P2-3334)
Mass formula in ladder representations of group U(6,6), 21:35332 (JINR-P2-3407)
Mass formulas in SU(12) is contained in Sp(6) X SU(2)-symmetry, 21:11802
Mass formulas in the inhomogeneous SU(6,6) group, 21:9825
NIKOLOV, Angel Mass formula in ladder representations of group U(6,6), 23:44700
NIKOLOV, Ch. V. Effect of heat treatment and gamma-irradiation of seeds of Arabidopsis thaliana (L.) heynh. on mutation rate in M_1, 23:16260
Joint action of γ irradiation and thermal shocks on Arabidopsis thaliana (L.) heynh. seeds, 22:52030
NIKOLOV, I. ATP as a prophylactic and therapeutic drug in radiation disease, 25:39882
NIKOLOV, Iv. Combined use of ion exchange resins and osmotic diuresis for the decrease of ^{90}Sr concentration in the organism, 25:32330
Electronic and kinetic investigations of changes in the activity of catalase in the aspect of radiation injury, 21:10785
Protective effect of ATP in fractional irradiation, 25:39880 (JPRS-53218, pp 20-5)
Radioprotective effect of AET and serotonin in growing rats, irradiated fractionally with small doses of roentgen rays, 25:26807
Radioprotective properties of some hydrazidines, 25:39879 (JPRS-53218, pp 13-19)
NIKOLOV, K. Content of ^{18}F in cooling water of nuclear research reactors, 22:53424
Neutron activation method for the determination of Li, 24:13796
Production of carrier-free ^{18}F from neutron irradiated Li carbonate, 21:10393
NIKOLOV, N. Behavior of Cepheid variables in color—color diagram, 23:18302
Characteristic magnitudes of a two-component nonisothermal plasma, 23:25359
Determining electron density of cylindrical plasma column, 24:8440
Laser microspectral investigation of meteorites, 25:24676
Longitudinal resonances of plasma surface waves in noble gases, 21:44101
Low-frequency resonances and averaged field potential in a nonisothermal plasma, 23:36753
Low-frequency resonances and averaged potential in non-isothermal plasma, taking account of ion collisions, 25:3165
Measurement of electron density f a cylindrical plasma column by longitudinal resonances of surface waves, 23:32349
Statistical structure of nonisothermal electron—ion plasma, 23:5421
Uptake of radioactive Cu in pregnant women, 23:38404
NIKOLOV, N. S. Normal Cepheid color indices. II, 21:33085
Normal color indices of Cepheids. III, 25:27340
Reddening lines of the Cepheids on the U—B/B—V diagram, 22:34159
Spectrophotometry of AG Draconis, 22:7098
NIKOLOV, O. T. Structure and stabilities of free radicals formed in γ-irradiated glycine, 25:18478
NIKOLOV, P. Changes in the suprarenal cortex in irradiated and pharmacologically protected rats, 22:45628
NIKOLOV, Ts. High-resistance anodic films on Cd, 24:8096
NIKOLOVA, E. R. Action of free radicals on solutions of superpolymer deoxyribonucleic acid, 22:25764
NIKOLOVA, L. Physical symmetries and the generalized Carruthers theorem, 24:49556
NIKOLOVA, M. Strontium-90 and ^{137}Cs in some Bulgarian foodstuffs, 25:42381
NIKOL'SKAYA, I. M. Effect of small additions of titanium and zirconium on the structure and mechanical properties of solid solutions of germanium in copper, 23:51059
NIKOL'SKAYA, I. S. Effect of x radiation and nucleic-acid inhibitors on respiration and ATP content of embryos of Cobitis fossilis, 25:32538
NIKOL'SKAYA, I. V. Analytical chemistry of thorium. V, 23:79
NIKOL'SKAYA, K. I. Helium I excitation in chromospheric spicules, 21:16736
Problem of helium emission in the chromosphere, 22:29088
NIKOL'SKAYA, L. E. Influence of the solvent and radiation on the exchange kinetics in complexes of bivalent platinum, 22:10290
NIKOLSKAYA, N. A. Complexometric determination of U(IV) using arsenazo I as indicator, 21:45022 (CEA-tr-R-1512)
NIKOL'SKAYA, N. L. Calibration of ^{65}Zn and ^{54}Mn gamma-spectrometric sources, 21:41152
NIKOL'SKAYA, T. A. Rate of evaporation of congruently evaporated compositions of niobium monocarbide phases, 24:36977
Rate of vaporization of congruently vaporizing compositions of NbC, 25:2802
Temperature and concentration dependence of the thermodynamic function of the carbide phase of niobium and tantalum, 22:28920
Temperature dependence and rate of congruent evaporation of tantalum carbide phase, 24:19503
NIKOLSKAYA, Ya. P. Determination of uranium in phosphate rocks, 23:21639
NIKOLSKAYA, Yu. P. Problem of uranium geochemistry in phosphorites, 22:40218

  Reaction of ammonium tricarbonatouranylate solutions with synthetic hydroxyapatite, 24:11524
  Reaction of solutions of $(NH_4)_4[UO_2(CO_3)_3]$ with synthetic hydroxylapatite, 23:47441
NIKOL'SKII, A. P. Active periods of magnetic storms, 22:38960
  Fine structure of the diurnal distribution of the frequency of appearance of irregular magnetic disturbances, 22:38965
  New principle in designing x- and gamma spectrometers, 23:14029
NIKOLSKII, A. V. Effect of ionizing radiation on ^{14}C—amino acids incorporation into rat cells, 24:50731
NIKOL'SKII, B. A. Angular distribution of positrons of $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ decay in 140 kg magnetic field, 21:2360
  Asymmetry of positrons from the decay $\pi^+ \rightarrow \mu^+ \rightarrow e^+$ in the longitudinal 140000 Oe magnetic field, 21:44257
  Azimuthal angular distributions of secondary particles in cosmic jets, 21:16839
  Experimental data for $\mu \rightarrow e$ decay, 23:5523
  Relaxation of μ^+—meson spin in condensed media, 22:22295
  Time analyzer for $\mu \rightarrow e$ decay studies, 21:45463
NIKOL'SKII, B. P. Adsorption of microamounts of niobium from aqueous solutions on ashless activated platinized coal, 23:28974
  Investigation of complex formation by the method of dialysis. IV, 23:43313
  Mechanism of sorption of nitrosoruthenium nitrate complexes on ion exchange resins, 21:8249
  Precipitation of quadrivalent actinides by salts of quaternary ammonium bases, 24:27219
  Quaternary ammonium bases as analytical reagents. II, 25:54434
  Solubility of complex salts of hexanitratothorates with quaternary ammonium bases in solutions of nitric acid. III, 24:38855
  Solubility of complex salts of quaternary ammonium thorium hexanitrates in nitric acid solutions, 21:27968
  Solubility of salts formed by quaternary ammonium bases with tetravalent actinide hexanitrate anions, 21:5899
  Studies on mixed hydroxyacetatouranyl compounds in aqueous acetate—nitrate solutions, 24:39019
NIKOLSKII, G. A. Solar radiation and solar activity, 24:42442
NIKOL'SKII, G. M. Emissivity of the solar atmosphere, 25:45254
  Inner corona polarization during solar eclipse of 9/22/68, 25:27397
  Mean temperature of the solar corona, 22:29081
  Motion and nature of Hα spicules in the solar chromosphere, 21:16735
  Motions of Hα spicules along the solar limb, 25:49670
  Observation of the chromospheric fine structure cm, 24:37105
  Polarization measurement of CaI lambda4227 radiation from a solar prominence, 24:25905
  Profiles of coronal lines based on large coronograph observations, 25:58572
  Solar euv spectrum and abundance of elements in solar atmosphere, 23:25085
  Sun and ionosphere, 24:19656
  Temperature of a coronal condensation, 21:28887
NIKOLSKII, G. S. Effect of a magnetic field on the thermal conductivity of erbium polycrystals, 21:6822
  Effect of magnetic field on conductivities of Ho, 24:24140
  Magnetoresistance of Er—Y alloys at low temperatures, 25:5175
  Mechanisms for the thermal conductivity of erbium, 25:1325
  Transverse magnetoresistance of Tm, 23:48993
NIKOL'SKII, I. F. Effect of boron on certain physical characteristics of synthetic graphites, 25:29946 (SC-T-713023)
  Effect of boron on some physical characteristics of artificial graphites, 25:29953
NIKOL'SKII, R. V. Fast power reactor optimization by base point method, 23:49551
  Problem of selecting the parameters of a large fast reactor, 25:34385 (JPRS-53069, pp 156-65)
  Problems arising in the selection of the parameters of a large fast reactor, 25:48239
  Safety problems in the design of large plutonium-fueled fast reactors, 22:53387
NIKOLSKII, S. I. Analysis of genetically connected electron—photon cascades with energy higher than 10^{14} eV, 23:18785
  Complex investigation of extensive air-shower core with energy greater than or equal to 10^{15} eV, 25:59249
  Dependence of energy of an electron—photon cascade on energy of interacting particle, 23:36832
  Energy spectrum and angular distribution of the penetrating cosmic-ray component at mountain altitudes, 22:45980
  Extensive air showers and interactions of high-energy particles, 24:21932
  Installation for study of extensive showers, 23:41063
  Investigation of particle interactions in range of 10^{13} to 10^{15} eV, 22:21922
  Investigation of penetrating component of high-energy cosmic rays on mountain level, 24:3544
  Necessity of a new hypothesis regarding energy transfer to an electron—photon cascade by nucleons with energies exceeding 10^{13} eV, 21:3705
  Recording of information on narrow magnetic tapes from many transmitting elements for subsequent processing in computers, 21:22207
  Spectrum of extensive air showers according to the number of electrons at mountain level, 24:21916
  Wide atmospheric showers and particle interactions at energies exceeding 10^{15} eV, 25:1377
NIKOL'SKII, S. N. Study of optimum position of horizontal neutron beamholes of SM-2 reactor, 21:38673
NIKOL'SKII, S. S. High-temperature thermodynamics of uranium carbides. II, 24:19499
  High-temperature thermodynamics of uranium carbides. I, 24:27833
  Temperature dependence of C diffusion coefficient in non-stoichiometric Zr, Nb, and Ta carbides, 21:43665
NIKOL'SKII, V. D. Composition, crystallographic structure, and thermal stability of rare earth uranates, 22:30523
  Diuranate of ammonia and the hydrates of uranium trioxide, 22:18781
  Infrared spectra and molecular structure of the uranates of some rare earth elements, 22:34119
  Phase equilibrium in system La_2O_3—UO_3—H_2O at 270°C, 23:4634
  Solubility of Pu(IV) sulfates in sulfuric acid solutions, 21:17639
NIKOL'SKII, V. G. Application of the method of radiothermoluminescence to the appraisal of the structure of block copolymers, 23:15880
  Change of thermoluminescence of irradiated polyethylene under illumination by monochromatic light, 22:42777
  Concerning the radiothermoluminescence of organic compounds, 23:40689
  Investigation of high-molecular compounds by means of the radiothermoluminescence method, 22:25413
  Problems of radiational solid-phase polymerization of amorphous vinyl acetate and dimethacrylate of butanediol, 25:48529
  Radiothermoluminescence and the crystalline character of organic materials, 22:18790
  Radiothermoluminescence of ice and frozen aqueous DNA solutions, 24:11600
  Radiothermoluminescence of polyethylene films under load, 24:38910
NIKOLSKII, V. K. Recording of electron orbits in microtrons with alkali-halide compounds, 23:10902
NIKONOV, A. G. Fatigue and brittleness of metallic materials, 23:51060
NIKONOV, A. P. Influence of x-rays on development of embryos and placenta of rats, 21:20362
NIKONOV, A. V. Number of corrections in the method of activation indicators, 22:33652
NIKONOV, J. M. Kinetics of calcium metabolism, 21:22270
NIKONOV, V. B. Methods of investigating variable stars, 25:55674
NIKONOV, V. I. Solvation of scandium nitrate with ethylene bis(dioctylphosphine oxide), 24:39018
NIKONOV, V. N. Express determination of yttrium in rare earth concentrates by the method of activation with fast neutrons, 25:57382
NIKONOVA, L. Z. Study of tautomerism of N-butyl-4(2)-carbomethoxypyrrolidones-3 and their hydrochlorides, 25:2054 (UCRL-Trans-1410)
NIKONOVA, V. V. Laws of crystallization of metallic systems, 24:19407
NIKONOVICH, G. V. Radiation grafting of cellulose with acrolein in vapor phase and properties of derivative products, 24:16598
NIKOTIN, O. P. Mosaic spread of Ge neutron monochromators, 23:30916
NIKUEV, Yu. A. Electrical breakdown of the gap between plasma and cold electrodes by an induced field, 25:33291
  Volt—ampere characteristics of Ar plasma behind a shock wave, 25:7385
NIKULENKO, E. L. Intratissue radiotherapy of cerebral tumors, 21:32683
NIKULIN, A. Bronchial epithelial cells in rabbits after ^{60}Co gamma irradiation, 25:32584
NIKULIN, A. A. Effects of adrenalin, acetylcholine, nicotine, pentamine, and histamine on blood pressure of rabbits with experimentally induced hypercholinesteremia and after influence of ionizing radiation, 23:5019
NIKULIN, E. I. Effective magnetic fields at lanthanum and lutetium nuclei dissolved in gadolinium, 23:44542
  Heat capacity of gadolinium—lutetium alloys at superlow temperatures, 25:14450
NIKULIN, M. G. Dynamic stabilization of plasma cylinder in a longitudinal magnetic field, 24:17969
  Dynamic stabilization of thin plasma filaments, 25:59071
  Excitation of spiral instability of theta pinch by hf longitudinal current, 25:1228
  Methods of stabilizing corrugated theta pinch, 25:9501
  Stabilization of plasma filaments with variable current by quadrupole magnetic field, 25:43389
NIKULIN, M. P. Liquid metal pumps, 24:52891
  Pumps for circulating liquid metals, 25:41958 (CONF-700307-8)
  Safe operation of BR-5 plant, 22:53441
  Safety problems concerning operation of BR.5 reactor, 22:30331
NIKULIN, N. S. Simultaneous registration of the main parameters of a magnetic field by means of a magnetograph, 21:37000
NIKULIN, V. K. Calculation of repulsive atomic-interaction potentials from statistical theory, 25:52616
  Differential cross sections and parameters for kinetic scattering of atoms by atoms at kilovolt energies, 25:52655
  Interpretation of characteristic energy losses in atomic collisions, 21:2049
NIKULIN, Yu. P. Absorbed doses after irradiation, 22:47542
  Use of a transit dose chamber for determining the tumor dose in rotation irradiation, 21:20198
  X ray effects on permeability of nucleoprotein monolayers, 24:27537
NIKULINA, A. V. Design and principal characteristics of VVER-1000 fuel element, 25:34356 (JPRS-53069, pp 245-8)
  Effects of impurities and alloying elements on zirconium resistance in high-temperature water, 22:21659
NIKULINA, G. N. Temperature effects on incorporation of ^{32}P into pea leaves, 22:43258
NIKULINA, I. G. Modification of adhesion behavior of synthetic fibers by radiation grafting of fluoroolefins, 22:10300
NIKULINA, I. N. Determination of cerium in refractory alloys with use of chromatographic separation, 25:57338
NIKULINA, R. A. Energy dependencies of the light output of some organic scintillators under the influence of α-particles, 21:28245
  Radiation stability of ZnS(Ag) crystal when exposed to charged-particle irradiation, 22:30842
NIKULOVA, V. F. Corrosion and properties of alloys of niobium—titanium, 22:19485
NIKUL'SHINA, V. M. Application of water-moderated and cooled reactors in small nuclear power plants, 23:31219
NIKURADSE, A. Distribution of intensity of reflected molecular beams, 22:19768
  Distribution of intensity of reflected molecular beams, 22:19769
  Elastic scattering of electrons from solids, 24:19724
  Interaction of rarefied gases with surface of solid body, 22:19767
NILAN, R. A Radiobiological damage: a new class identified in barley seeds stored after irradiation, 23:4915
NILAN, R. A. Barley cytogenetics and breeding, 21:32611
  Comparative studies of biological effectiveness of nitrogen mustards, ethylenimine, and gamma rays, 25:6673 (RLO-2221-T-2-3)
  Comparative studies of biological effectiveness of N mustards, ethylenimine, and γ rays, 25:52041
  Decay of radiation-induced oxygen-sensitive sites in barley seeds, 23:35939
  Destruction of a biological activity of gibberellic acid by low doses of ionizing radiation, 23:45656
  Effect of far-red radiation on MH-induced chromosomal aberrations in Vicia faba, 25:6811 (RLO-2221-T-2-2)
  Effect of gamma radiation on barley seedlings, 25:46738
  Effect of ionizing radiation on gibberellic acid, 25:6637 (RLO-2221-T-2-1)
  Influence of radiation energy on the oxygen enhancement ratio in irradiated barley seeds, 24:21320 (RLO-353-39)
  Influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seeds, 24:21072 (RLO-353-40)
  Influence of temperature on radiation-induced oxygen-dependent and -independent damage in barley seed, 25:44964
  Irradiation of seeds, 24:17026
  Mutations in flowering plants, 24:41815
  Nature of induced mutations in higher plants, 21:6470 (RLO-353-7)
  Nature of induced mutations in higher plants, 21:20137
  Nature of induced mutations in higher plants, 23:24599
  Nature, induction, and utilization of mutations in higher plants, 22:17004 (RLO-353-15)
  Nature, induction, and utilization of mutations in higher plants, 24:21112
  Peroxides in the extract of irradiated flax seeds, 21:14604
  Physical and chemical mutagens in wheat breeding, 22:28444
  Post-irradiation oxygen sensitivity of barley seeds, 22:28542
  Prog. rpt. on barley cytogenetics and breeding, 8/67, 22:23489 (RLO-353-21)
  Prog. rpt. on factors which govern plant radiosensitivity, summary, 1965—68, 23:9983 (RLO-353-31)
  Radiation-induced damage in barley seeds, 24:42029
  Relationship of radiation-induced damage in barley seeds to the inhibition of certain oxidoreductases by sodium azide, 24:21319 (RLO-353-36)
NILAN, Robert A. Prog. rpt. on factors governing plant radiosensitivity, 11/67—10/68, 23:12241 (RLO-353-32)
  Prog. rpt. on radiation-induced genetic damage in plants, annual, 11/15/70, 25:6674 (RLO-2221-T-2-5)
  Prog. rpt. on radiosensitivity of plants, annual, 11/65-10/66, 21:11112 (RLO-353-9)
  Prog. rpt. on study of factors governing plant radiosensitivity, annual, 11/68—10/69, 24:21321 (RLO-353-42)
NILAND, R. A. Interpretation of experimental spectra of cooperatively scattered laser light, 24:40076
NILER, A. Rescattering effects in reactions with three particles in the final state, 22:46722
NILES, Franklin E. Daytime D- and E-region chemistry, 23:48807 (AD-690191)
  Solutions of reaction rate equations pertaining to electron irradiation of 4:1 mixtures of N_2 and O_2, 22:33370 (AD-662061)
NILLER, A. Reaction $p + d \rightarrow p + p + n$ at 6.5 less than or equal to E/sub p/ less than or equal to 13 MeV, 24:6825
NILOLOV, N. A. Resonances of a plane plasma condenser in crossed electric and magnetic fields, 25:27718
NILORE, P. O. Preparation of ^{28}Mg in a nuclear reactor, 24:36281
NILOV, A. F. Atlas of distributions, 24:10692 (ITEF-700)
  g^0 resonance decay into four pions, 23:30714
NIL'SEN, O. B. Decay of ^{151}Gd, 21:21520 (JINR-P6-3127)
  Investigation of ^{145}Eu emissions, 22:18219
  Investigation of ^{150}Tb, ^{149}Tb, ^{149}Gd, and ^{149}Eu radiation, 21:23480 (JINR-P6-3128)
  Investigation of ^{151}Tb irradiation, 21:12020 (JINR-P-2915)
  Investigation of ^{151}Tb radiation, 22:5853
  Investigation of ^{152}Tb radiation, 22:18223
  Studies of ^{151}Gd radiations, 22:39667
NILSEN, Per Agnar Visualization of the placenta with a gamma camera and /sup 113m/In, 25:11228

NILSON, J. A. Interaction between a plasma wind and a dipole magnetic field, 21:13428 (N-66-32764)
NILSON, John Anthony Thermionic generator, 22:15396
NILSON, Kristian Reduction of biological effectiveness of x rays at very high dose rates, 25:16126 (AD-713557)
  Relative biological effectiveness of x rays delivered at very high dose rates to radish seeds (raphanus sativus), 25:55350
NILSON, R. Hazards summary report: Hanford Test Reactor, 21:19462 (HW-80600)
  Marviken Reactor Station, 22:30227
  Supplemental reactor safety control, 22:48647 (HW-78912)
NILSONNE, Ulf Case of chondrosarcoma with pulmonary and skeletal metastases after hemipelvectomy, successfully treated with ^{35}S-Sulfate, 23:35837
NILSSEN, Ole Kristian An electron discharge device, 24:18348
NILSSON, A. Decay of bound isobaric analogue states in ^{28}Si and ^{32}S, 25:17851
  Dose-dependent carcinogenic effect of radiostrontium, 24:34635
  Effects of radiostrontium and roentgen rays on germ cells of male mice, 22:8629
  Hydrazine cation radical formation in γ-irradiated single crystals of hydrazinium hydrogen oxalate, 22:30589 (NP-17484)
  Hydrazine cation radical formation in γ-irradiated single crystals of hydrazinium hydrogen oxalate, 22:42755
  Influence of gestation and lactation of ^{90}Sr-induced malignancies in mice. I, 21:28613
  Influence of gestation and lactation on radiostrontium-induced malignancies in mice. II, 21:45820
  Influence of lactation on retention of radiostrontium, 23:38407
  Roentgen x ray effects on ovaries, 25:21885
  Survey of nuclear explosion effects on man, 25:16276 (FOA-1-1449)
NILSSON, A.-E. Effect of supervoltage therapy for carcinoma of bladder, 23:29852
NILSSON, A.-M. Electrolyte effects in the isotopic exchange between alkali iodides and methyl iodide in ethanol, 25:37372
  Electrolyte effects in the isotopic exchange between alkali iodides and methyl iodide in propanol, 25:37373
  Isotopic exchange reaction between ammonium bromide and butyl bromide, 25:4071
  Radioelectrochemical determination of microgram iodide, 25:4027
NILSSON, Agnar Cytoplasmic ultraviolet extinction of ^{90}Sr-induced osteosarcomas, 23:6576
  Effect of ^{90}Sr on ovaries of fetal mouse, 24:23320 (CONF-690501-, pp 313-24)
  Pathologic effects in different doses of radiostrontium in mice, 25:44929
  Pathologic effects of different doses of radiostrontium in mice, 24:48699
  Pathologic effects of different doses of radiostrontium in mice. Development and incidence of leukaemia, 25:42654
  Radiopathology of ^{241}Am. I, 25:18901
  Radiopathology of ^{241}Am. II, 25:44759
NILSSON, Ake Hydrogen isotope effects in bromination of 2-methyl-1,3,5-triethylbenzene and 2,4-dimethyl-1,3,5-triethylbenzene, 23:45268
  Hydrogen isotope effects in the bromination of 1,3,5-triethylbenzene, 2-bromo-1,3,5-triethylbenzene, and 2,4-dibromo-1,3,5-triethylbenzene, 22:16526
  Primary H isotope effects in the nuclear bromination of 1,3,5-trimethoxy-2-methylbenzene and 1,3,5-trimethoxy-2,4-dimethylbenzene, 21:5876
NILSSON, Ann-Margaret Ion-pair reactivity in isotopic exchange reactions. II, 24:27047
NILSSON, B. Effect of the P_4 degree of freedom in the nuclear potential, 24:22228
  Hexadecapole equilibrium distortions of nuclei, 22:20607
  Inclusion of a P_4 term in deformed shell-model potential, 23:28334
  Nuclear deformabilities in the rare-earth and actinide regions with excursions off the stability line and into the super-heavy region, 22:30081
  Penning discharge in a strongly inhomogeneous magnetic mirror field, 21:31424 (NP-16805)
  Penning discharge in a strongly inhomogeneous magnetic mirror field, 22:52779
NILSSON, Bjoern Matter distribution in nuclei from the deformed single-particle model, 24:40687
  Microscopic calculations of the inertial mass parameter for fissioning nuclei, 23:34815
  Nuclear structure and stability of heavy and superheavy elements, 23:34816
NILSSON, Bo E. Bone densitometry using a single beam from a radionuclide source, 25:4627 (CONF-680211-, pp 319-28)
  Uptake of ^{47}Ca and ^{85}Sr in the tibia and the femur in rats, 23:33617
NILSSON, Bo E. R. Post-traumatic osteopenia, 22:36221
  Relations between femur density and ^{85}Sr uptake in bipedal rats, 23:33611
NILSSON, G. Ejection of U atoms from sintered UO_2 by fission fragments in different gases and at different gas pressures, 21:534
  Ejection of uranium atoms from electropolished foils of uranium metal by fission fragments, 21:509
  New crystal spectrometer for neutrons, 23:14100
  Pulse radiolysis apparatus for monitoring at 2000 A, 23:26307
  Pulse radiolysis of ice and frozen HF solutions, 23:47502
  Pulse radiolytic determination of the ultraviolet absorption of hydrogen atoms in aqueous solution, 23:4691
  Radiation chemistry and radiation damage, 21:19708
  Three axis crystal spectrometer for neutrons, 22:28161
NILSSON, I. Fission spectra: a literature search, 23:13306 (FOA-4-4237)
  Whole-body monitor HUGO II, 24:20976 (AE-378)
NILSSON, J. Concept of wave function and irreducible representations of Poincare group. II, 22:20303
  Concept of wave function and the irreducible representations of the Poincare group, 22:17987
  Discrete symmetries in elementary particle, 23:34627
  Discrete symmetries P, C, and T, 23:16975
NILSSON, Jan Discrete symmetries, P, C, and T, 22:3470 (CERN-67-24(Vol.1), Paper 1)
  Group-theoretic approach to wave functions and fields, 24:8721
  Proceedings of 1967 CERN school of Physics, Raettvik, 5/21—6/3/67, 22:3469 (CERN-67-24(Vol.1))
  S-operator theory of weak interactions, 21:2434
NILSSON, K. A. Pressure drop in wire-wrapped rod bundles, 25:41428
NILSSON, L. Cross section $^{12}C(\gamma,n)^{11}C$ investigated by means of monoenergetic gamma radiation of variable energy, 22:29928
  Decay of bound isobaric analogue states in ^{28}Si and ^{32}S, 25:17851
  Gamma-ray spectra from (d,pγ) reactions in ^{58} ^{60}Ni and ^{63} ^{65}Cu, 23:7270
  High-energy gamma-ray transitions from MeV neutron capture in ^{208}Pb, 24:47608
  Isobaric analogue states in ^{32}S populated by the $^{31}P(d,n)^{32}S$ reaction, 22:26966
  Microanalysis of light elements by means of (d,n) reactions, 21:25778
  Neutron capture in ^{208}Pb, 24:52586
  Radiative capture in Ni and Bi of the neutrons in the MeV region, 23:1863
  Reaction $^{16}O(d,n)^{17}F$ at 2.5 to 5.5 MeV, 24:22086
  Reactions $^{50}Cr(d,n)^{51}Mn$ and $^{54}Fe(d,n)^{55}Co$, 24:18404
  Yields and angular distributions of gamma rays from the $^{7}Li(p,\gamma)^{8}Be$ reaction, 22:29932
NILSSON, L. B. Construction and installation work at Oskarshamn, 25:12716
  New type of reactor containment of prestressed concrete, 23:4149
  New type of reactor containment of prestressed concrete, 23:31103 (CONF-681101-38)
NILSSON, L. H. Retention of oral ^{47}Ca in patients with intestinal malabsorption, 25:2531
NILSSON, N. R. X-ray flash tube with exchangeable electrode system, 24:46539 (UUIP-704)
NILSSON, Nils Johan Krypton-85 clearance curves from the brain of the dog, 21:22302
NILSSON, O. Array detectors and extended source used in a double focusing beta spectrometer, 21:6259
  Chemical shifts in europium, 22:52866
  Determination of relative intensities of M internal conversion lines in pure E2 transitions, 23:4024
  Electron binding energies in platinum, 22:13540 (UUIP-553)
  K/L, L/sub III//M/sub III/, and M/(N + O + P) ratios in pure E2 transitions, 23:4023
  Low-energy internal conversion spectrum of ^{183}W from the decay of ^{183}Ta, 21:33977
NILSSON, Oe. Electron binding energies in promethium, 24:21551 (UUIP-635)
  ESCA studies of outer levels in rare earth atoms, 24:21550 (UUIP-626)
  Internal conversion of 114 keV transition in ^{175}Lu, 23:17120
  Parallel plate channel multipliers, 24:44280
  Precision measurements on the 296 keV and 316 keV transitions in ^{192}Pt, 21:19251
  Pressure dependence of gain and background for parallel plate channel multipliers, 25:42099
NILSSON, Oerjan Decay of ^{152}Eu, 21:10024
NILSSON, P. O. Prog. rpt. on ion—acoustic waves, 6/1/65—5/1/66, 21:18657 (AD-637229)
NILSSON, Robert ESR evidence for O_2^- as long-lived transient in irradiated oxygenated alkaline aqueous solutions, 24:13895
  Mechanism of the cation effect in subfractionation of microsomes, 21:10791
NILSSON, S. anti pp annihilations at rest, 25:22811
  Determination of K-conversion coefficient of $2^+ \rightarrow 0^+$ transitions in ^{170}Yb and ^{166}Er, 23:49433
  Experimental results on proton—proton interactions at 10 GeV/c with six charged particles in the final state, 22:46326
  Flat crystal spectrometer for (n,γ) studies, 23:11824
  Spectroscopy of mesonic atoms, 22:14835
  Strange-particle production in 10 GeV/c proton—proton reactions, 21:44267
NILSSON, S. Bertil Stationary distributions when high-energy electrons are injected into hydrogen plasma, 24:49165
NILSSON, S. G. Collective gyromagnetic ratios of deformed nuclei, 22:20684
  Fission barrier and odd-multipole shape distortions, 24:30951
  Hexadecapole equilibrium distortions of nuclei, 22:20607
  Microscopic mechanism behind the fission barrier asymmetry, 25:25838
  New regions of stability, 24:43526
  New type of fission-isomeric state, 24:13406
  Nonperturbative treatment of P_3 degree of freedom of nuclear potential, 24:3980
  Nuclear deformabilities in the rare-earth and actinide regions with excursions off the stability line and into the super-heavy region, 22:30081
  Nuclear moment of inertia at high rotational frequencies, 22:27327
  Spontaneous fission of nuclei with Z near 114 and N near 184, 22:44781
  Stability of superheavy nuclei and their possible occurrence in nature, 23:17134
NILSSON, Sam Experimental investigations by crystal diffraction, 22:49100
  Mesonic atoms and molecules in chemistry and physics, 21:17238
NILSSON, Sven Goesta Further theoretical results on the stability of superheavy nuclei, 24:20464
  Low-energy spectrum of ^{29}Si, 25:12503
  Microscopic calculations of the inertial mass parameter for fissioning nuclei, 23:34815
  Nuclear structure and stability of heavy and superheavy elements, 23:34816
  Nuclear structure, fission, and superheavy elements, 23:1934 (UCRL-18355)
  Nuclear structure, fission, and superheavy elements, 24:20435
  Shape isomeric states in heavy nuclei, 24:20463
  Theoretical search for a possible region of superheavy elements, 25:39093
NILSSON, T. M. Anisotropy in mechanical properties of extruded commercial SAP materials, 23:8180
  Effect of working direction on microstructure and mechanical properties of extruded SAP alloy, 23:8307 (ORNL-TM-2355)
  Evaluation of Ti-modified Type-304L stainless-steel tubing, 23:36051
  Experimental fabrication of Zircaloy-4 tubing, 23:41565 (ORNL-TM-2576)
  Microstructure and mechanical properties of an extruded SAP alloy, 24:6278
  Textures of drawn and planetary swaged tubes of 0.2 percent Ti type-304L stainless steel, 23:51065 (ORNL-TM-2682)
NILUBOL, M. L. Anong Soil analysis by neutron activation method, 25:34545 (THAI.-AEC-36)
NILZEN, A. Immunological properties of guinea pig skin-saline suspension. III, 22:30943
NIMAL, J. C. Methods used in shielding calculations in the design of power reactors, 23:13476 (AERE-R-5773(Vol.4), pp 1247-68)
  Treatment of irregularities in shields, 23:13470 (AERE-R-5773(Vol.3), pp 834-57)
  ZEUS 2 program one-velocity three-dimensional Monte Carlo, 21:5465 (ORNL-tr-1371)
NIMAL, Jean-Claude Calculation of flux in sodium reservoir, 24:24818 (CEA-N-1253)
  Calculation of the flux in a sodium reservoir, 24:47850 (ORNL-tr-2354)
  Calculations of the attenuation of neutrons by complex geometries, 24:50096 (CEA-CONF-1566)
  Three-dimensional Monte-Carlo calculation (TRIPOLI code) of neutron spectra in lower shield of Phenix, 25:10193 (CEA-N-1359)
NIMI, Masanobu Acute leukemia, 22:4685
NIMIT, Vichai T. Faraday rotation measurements of electron content near the magnetic equator, 22:22042
  Faraday rotation measurements of electron content near magnetic equator, 24:12682 (AD-486729)
  Measurements of electron content and latitudinal F-layer critical frequency near magnetic equator, 23:22978 (AD-675461)
NIMMO, B. Laminar film condensation on surfaces normal to body or inertial forces, 21:4660 (SU-247-12)
NIMON, L. A. Infrared spectra and geometry of matrix-isolated diboron tetrachloride and tetrafluoride, 24:50393
NIMROD, D. M. Operation of an x-ray and a neutron diffractometer controlled by a non-dedicated computer system, 22:340 (IS-1701)
NIMROD, Dale Meyers Crystal structure determinations of $OP(OCH_2)_3CCH_3$ and a hydrolysis product of $PO_3C_4H_9$, 21:47015 (IS-T-183)
NIMS, J. B. Computer analysis to detect reactor malfunctions, 22:22742
  Enrico Fermi Atomic Power Plant operating experience through 100 Mwt, 22:16182
  Malfunction detection in fast reactors, 22:53370
  Malfunction detection systems for liquid-metal fast breeder reactors, 22:16125 (CONF-671011-, pp 211-19)
  Physics measurement programs in US fast power reactors, 21:27767
  Recent theoretical work in the United States on fast reactor physics, 22:18601
  Static physics measurements in Fermi reactor, 21:35558 (ANL-7320, pp 605-28)
NIMS, J. B. Jr. Safety considerations in Enrico Fermi reactor design, 22:46963
NIMS, John B. European fast breeder reactor programs, 25:18103
  Zoned fuel core for a sodium-cooled fast reactor, 21:7909
  Zoned fuel fast reactors, 22:18539
NIMS, John B. Jr. Fuel systems for nuclear reactors, 24:36098
  Fuel systems for nuclear reactors, 25:60255
NIMS, Leslie F. Membranes, material transfer, and ideal tracer theory, 25:60261 (BNL-50299)
NINAN, C. A. Cytologicial effects of radiations from monazite, 25:39840
  Somatic mutations induced by radiations from monazite in Tradescantia, 25:39835
NINCK BLOK, C. J. J. Graft copolymers of paper cellulose produced by ionizing radiation, 23:45306 (IRI-133-69-6)
NIND, P. J. Measurements of anti τ/sub p/ for ^{239}Pu between 40 keV and 1.2 MeV, 24:49850 (AWRE-O-42/70)
NING, I-hua The effect of radiation dose rate on the frequency of chromosome aberrations induced in human leucocytes irradiated in vitro, 21:1729
NINHAM, B. W. Asymptotic behavior of the pair distribution function of a classical electron gas, 22:34818
  Collisional damping of plasma oscillations, 23:51742
  Effect of quantum correlations on electron-scattering opacities, 23:36304
NINHAM, Barry W. Quantum corrections to the pair distribution function of a classical plasma, 22:41587
NINIC, Neven Exergetical analysis of a BHWR nuclear power plant, 25:15344
NININGER, R. D. Uranium reserves, future demand, and extent of exploration problem, 25:18530
NININGER, Robert D. World uranium picture, 24:36429
  World uranium picture, 25:8373

NINIO, F. Simultaneous parallel pumping of nuclear and electronic spin waves, 22:11556
NINKOV, V. Effect of fractionated gamma-ray irradiation on proliferative activity of bone marrow cells, 22:51981
  Effect of fractionated irradiation on reproductive capacity of bone marrow cells in fasted rats, 22:51984
  Effect of fractionated irradiation on hematopoiesis of fasted rats, 25:52220
NINKOV, Vukosava Bone marrow cells regeneration under the effect of postradiation bleeding in irradiated rats, 22:40837
  Effect of fractionated irradiation on changes in the bone marrow of rats, 21:20379
  Effect of irradiation on erythropoiesis of rats, 24:866
  Effect of repeated postirradiation bleeding on the erythropoietic regeneration of irradiated rats, 23:20365
  Erythroid regeneration in locally irradiated bone marrow of plethoric rats, 22:38470
  Radiation effect upon survival of rats, 23:14254
  Response of bone marrow cells after whole-body irradiation and partial protection in rats, 22:40850
NINKOVIC, M. Gamma ray spectrum and gamma ray constant of ^{182}Ta, 25:48099
  Specific gamma-ray constant and gamma spectrum of ^{192}Ir, 25:20424
  Specific γ ray constant and γ spectrum of ^{182}Ta, 25:34815
NINKOVIC, Marko Spatial distribution of reactor radiation around horizontal channel of RA reactor, 21:23730 (JPRS-39787)
NINKOW, Vukosava Effect of fractionated irradiation on peripheral blood, 24:27696
NINOMIYA, Kansuke Decays of 2^+-mesons and pair suppression principle, 21:35303
  Duality and rearrangement of sakaton, 23:46688
  Hadron reactions and urbaryon rearrangement, 25:40963
  High energy inelastic scattering by rearrangement of sakatons, 22:15752
  Mass levels of higher meson resonances, 21:17155
  Multiple production processes and rearrangement of sakatons, 25:12186
  Rearrangement of sakatons and high energy two-body scattering, 22:52971
  Rearrangement of sakatons and high energy two-body scattering. II, 23:42650
  Sum rules of dsigma/d t—t/sub min/, 23:39689
NINOMIYA, Satoshi Steam turbine for nuclear power generation, 25:309
NINO-ROJAS, Laureano K-shell ionization in formation of F centers in alkali halides. III, 24:42761
NINO V., Luis C. Relation of effective cross section of pair of isomers /sup 191m/Os, ^{191}Os obtained by means of nuclear reaction ^{190}Os(n,γ)^{191}Os, 22:44679 (IAN-E-1)
NIO, Koichi Theoretical and experimental analysis of the spread of an immersed flow beam, 21:9296
NIORADZE, M. S. Gamma beam inlet to hydrogen bubble chamber, 24:14307
NIP, H. C. H. Lattice-directed trajectories of negatively charged particles, 23:12975
NIP, Hans C. H. Bremsstrahlung spectrum of energetic β particles traversing single crystals in lattice-directed trajectories, 25:27832
  Weaving and blocking of energetic electrons, 24:42793
NIPPER, C. L. Ytterbium—indium system, 25:24602
NIR, A. Geophysical aspects of the search for the quark, 21:37779
  Natural tritium, 21:3179
  Radioisotope tracers in large-scale recharge studies of groundwater, 22:19067
NIR, D. Properties of ^{94} ^{95}Rh from ^{94} ^{95} Ru(p,n) reaction, 25:12617
NIR, Michael Recognition of general line patterns with applications to bubble chamber photographs and handprinted characters, 22:49120
NIR, S. $4f^{14}6sns$, $4f^{14}6snd$, and $4f^{14}snp$ sequences in Yb I, 24:17648
  Coupling schemes in configurations of Eu I and Gd II, 25:24873
  Electrostatic and spin-orbit interactions in four-particle systems, 25:24874
NIRDLINGER, Edwin Deposition of Thorotrast in rat tissues, 22:51366
NIR-EL, Y. Neutron-deficient nuclides ^{74}Rb and ^{118}Cs, 24:3927
  Relative calibration of neutron sources by a point detector, 22:29847
NIRI, Yu. Coordinates and observables in the nuclear three-body problem, 23:4048 (JINR-E4-4043)
  Coordinates and observables in three-body problem in nuclear physics, 23:37313
  Current x current interaction and pole model of non-leptonic hyperon decays, 21:27368 (JINR-P2-3254)
NIRSCHL, J. C. Combination radiacmeter for dose-rate or dose measurement, 24:33872
  Multidecade hybrid radiation survey meter, 23:636
NIRSCHL, R. J. Hazards report for modified HTGR critical facility, 21:14071 (GA-6452(Rev.2))
  Reactivity worths of ^{233}U, ^{235}U, ^{238}U, and ^{237}Np samples in ^{235}U—graphite critical assemblies, 21:38711
  Results of HTGR critical experiments, 22:32969 (GA-8468)
  Thorium-232 Doppler coefficient measurements in HTGR-type fuel elements, 23:4228
  Thorium-232 reactivity worth and Doppler coefficient measurements in HTGR-type fuel elements with various-sized coated thorium particles, 24:7137
NIRSHA, B. M. Interaction of molybdenum dioxychloride with chloride derivatives of certain group IV elements, 23:40672
NISANCIOGLU, Kemal Diffusion in concentrated electrolytic solutions, 24:26877 (UCRL-19128)
NISAR, T. Decay rate of the short lived neutral kaon, 22:32097
NISBET, A. Classical charged particles, 21:25217
NISBET, J. S. Construction and use of a simple ionospheric model, 25:24993
  Presunrise heating of ionosphere at Arecibo due to conjugate-point photoelectrons, 22:38912
  Presunrise heating of ionosphere due to conjugate point photoelectrons, 21:35077 (CONF-670429-3)
  Recombination in nighttime F-region, 21:7081 (N-66-27213)
NISBET, John S. Diurnal variation of neutral temperature profile at Arecibo, 25:11793
  Neutral atmospheric temperatures from incoherent scatter observations, 21:35078 (CONF-670429-4)
  Nighttime behavior of F-region of ionosphere, 23:3338 (N-68-29076)
  Photoelectron escape from the ionosphere, 22:41463
  Tables from Penn State Mark 1 ionospheric model, 25:30351 (N-70-40978)
NISBET, N. W. Mechanisms in early and late phases of tolerance induced by parabiosis in adult mice, 22:40536
NISBET, Norman W. Primary immune response in grafted cells, 22:19276
NISCE, Lourdes Electron-beam therapy of cancer of the breast, 21:39467
NISCE, Lourdes Z. Review of experience with irradiation of brain metastasis, 25:26895
NISEL'SON, L. A. Influence of the purity of superconducting niobium on the shape of the magnetization curve, 23:18544
  Preparation of niobium carbide, 25:38002
  Preparation of silicides of Ti, Nb, and Ta by hydrogen reduction of chlorides, 24:27750
  System of $NbCl_5$—$NbOCl_3$, 22:12306
  System of $ReOCl_4$—$WOCl_4$ and purification of rhenium oxytetrachloride by fractionation, 22:4899
NISENOFF, M. Phase fluctuations in superconductors, 23:42173
NISHANOV, P. Kh. Determination of Cu, As, and Sb in sulfide minerals by neutron activation analysis, 22:47088
  Determination of W and Au content in mine waters by neutron activation analysis, 23:28770
  Neutron activation determination of cobalt by nondestructive means, 25:57386
NISHCHENKO, M. M. Moessbauer effect in the segregating iron—beryllium alloy, 25:56378
NISHI, Masataka Turbine generator for a nuclear power plant, 25:15816
NISHI, Masato Color centers in irradiated NaCl, KCl, and KBr crystals, 24:26301
  F centers in gamma- and reactor-irradiated NaCl crystals, 22:7386
  Fast linear gate, 21:26284
NISHI, Masatsugu Backscattering of gamma rays from tin slabs, 23:1509
  Positron straggling through thin foils, 23:1943
  Single-quantum annihilation of positrons, 22:36723
NISHI, T. Decay of /sup 77m/Ge, 23:39987
  Decay of /sup 77m/Ge, 25:7824
  Excitation functions for deuteron-induced reactions, 22:15996
  Excitation functions for the deuteron induced reactions, 22:7701 (OU-LNS-67-10)
NISHI, Tatsuo Characteristics of personal monitoring dosimeter, 25:29383 (JAERI-Memo-4292)
  Effects of the relative humidity on track fading and prevention of fading of the personal neutron monitoring film, 25:44695
  Radiation protection against x-ray diffraction apparatus, 25:13457
NISHI, Tomota Calculation of kinetic energy and most-probable charge in fission, 25:28408
  Excitation functions of deuteron induced reactions, 23:42899
  Odd—even structure of elemental abundance curve, 24:51299
NISHI, Tsuneo Hepatic ^{65}Zn uptake and its clinical application, 23:50702
NISHIBORI, E. Shielding studies for first nuclear ship of Japan, 23:13566 (AERE-R-5773(Vol.5), pp 1346-72)
NISHIBORI, Eizaburo Outline of nuclear ship home port, 22:35564
  Survey of marine reactor concepts, 21:34149
NISHIBORI, Yutaka Level structure of ^{210}Bi and reaction matrix theory, 22:27136
  Level structure of ^{210}Bi and reaction matrix theory, 23:5874
  Shell-model calculations in the lead region, 24:52587
NISHIDA, A. Ionospheric current system produced by an external electric field in the polar cap, 21:41912
  New polar magnetic disturbances, 25:36012
NISHIDA, Atsuhiro Average structure and storm-time change of the polar topside ionosphere at sunspot minimum, 22:5234
  Coherence of geomagnetic DP 2 fluctuations with interplanetary magnetic variations, 22:47964
  DP 2 and polar substorm, 25:27606
  Formation of plasmapause by magnetospheric convection and plasma escape from tail, 21:5152
  Geomagnetic D/sub p/ 2 fluctuations and associated magnetospheric phenomena, 22:17478
  Heliosphere, 25:24789
  Large-scale electric field in the magnetosphere, 22:29350
  Origin of fluctuations in the equatorial electrojet, 21:15040
  Origin of geomagnetic variations, 25:5025
  Two basic modes of interaction between the solar wind and the magnetosphere, 25:27630
NISHIDA, Hiroshi Spectrophotometric determination of Ce(III) with chrome Azurol S, 22:40037
  Spectrophotometric determination of La, 23:4525
  Spectrophotometric determination of scandium, 23:9315
  Spectrophotometric determination of molybdenum(V) with Chrom Azurol S, 23:49703
NISHIDA, Hisao Radioprotective effect of taurine during radiotheraphy, 25:24226
NISHIDA, I. Phase transition in NbO_2, 21:28847
NISHIDA, Kazuhiko Undoped W wire (0.38 mm phi) annealed isothermally at 1180°C, 21:18288
NISHIDA, Koichi On stream radioisotope x-ray analyzer, 24:31752
NISHIDA, Masami Analysis of tritium in natural water. II, 24:9251
  Tritium concentration in wine, rain, and ground water, 24:9252
NISHIDA, Michio Behavior of the charged particles across a shock wave in a partially ionized gas, 23:5381
  Calculations of electron temperature across a shock wave of a partially ionized gas, 23:51668
  Electron density measurements of plasma jet by microwave interferometry, 23:5382
NISHIDA, Minoru Counts of the quasi-stellar radio sources, 22:2722
NISHIDA, Noriyuki Changes of seeds and seedlings by irradiation. V, 23:14148
NISHIDA, T. Radiosensitivity and induction of somatic mutations in woody perennials, 24:31928
NISHIDA, Takahiko Invariant imbedding and absorption probability in slabs, 22:52842
NISHIDA, Vone M. Proton magnetic resonance solvation study of $Sc(NO_3)_3$, $Y(NO_3)_3$, and $Th(NO_3)_4$ in water—acetone mixtures, 23:24199
NISHIDA, Y. Effective interaction in particle transfer calculation, 22:27339
  Propagation characteristics of drift waves in an inhomogeneous magnetoplasma, 23:42359
  Suppression of drift instability by rf electric field, 25:27787
  Suppression of drift wave instability by rf electric field, 24:37481 (IPPJ-91)
  Suppression of drift-wave instability by rf electric field, 24:35458
NISHIDA, Yasushi Electrostatic low-frequency oscillations in an inhomogeneous magnetoplasma, 25:3163
NISHIDA, Yoshihiko Role of intermediate nuclear states in particle transfer reactions between complex nuclei, 25:46142
NISHIDA, Yukihiro Double—probe method with a stepwise high-frequency pulsed voltage, 21:42038
NISHIDAI, Takehiro Measurement of neutrons from 32 MeV medical betatron, 24:33076
NISHIDE, Shinko Water repellency and durability of the silicone-grafted cotton fabrics, 24:41367
NISHIGAKI, Kenichi Fatigue of WC-Co alloys, 23:12423
NISHIGAKI, Minoru Anomalies in the tensile properties at elevated temperatures of metastable beta titanium alloys, 25:35434
  Effect of Zr on stability of a Ti—15 Mo base beta alloy, 25:27233
  Isothermal transformation of Ti—Mo binary alloy, 25:27257
NISHIGAKI, Susumu Oxidation of Be—Ca alloys, 23:32019
  Oxidation of Be—Ca alloys in CO_2 at high temperatures, 23:27078
  Use of ^{15}N as a tracer in fertilizer efficiency study, 24:31820
NISHIGAKI, Yoshihiko Thin tube, insertion type γ ray density meter, 21:28291
NISHIGORI, Nobuko Calculation of x-ray production in alloy targets using Monte Carlo method, 25:27836
NISHIGORI, Takeo Phonon-type expansion for slow-neutron scattering, 25:41159
  Quasi-classical approximation for slow neutron scattering, 25:14875
  Quasi-classical theory of slow neutron scattering, 23:39913
  Slow neutron scattering and space—time correlation functions, 21:40489
  Theory of multiple scattering of slow neutrons, 22:32478
NISHIHARA, E. Leukemogenic effects of ^{90}Sr and x-rays, 23:33871
NISHIHARA, Eimi Effect of thymectomy in modifying the immunological reactivity of xenogeneic radiation chimeras, 23:22237
  Late somatic effects of diverse radiations, 23:43862
NISHIHARA, H. Low input-impedance preamplifier for semiconductor detectors, 21:39230
  Method of locating the axis of a magnetic field for electron-beam focusing, 22:49161
  Misalignment of axis magnetic field for electron-beam focusing, 24:47540
  Recent reactor physics activities in Japan, 23:4420
  Theoretical and experimental works on fast reactor physics in Japan, 22:18569
NISHIHARA, Hideaki Adiabatic model for space-dependent boiling water reactor kinetics, 21:10161
  Measurement of temperature fluctuations in a natural convection water loop, 25:60242
  Measurement of temperature noise in an out-of-pile heat transfer loop, 23:23902
  Measurement of temperature noise in an out-of-pile heat transfer loop, 24:47831 (CONF-680980-, pp 233-47)
  Space-dependent behavior of a boiling water reactor by an adiabatic model, 21:23656
NISHIHARA, Hiroshi Analysis of signal pulse from semiconductor junction detectors, 21:26162
  Doppler coefficients for fast reactors, 23:21552
  Measurement and the calculation of neutron spectra in iron assemblies, 25:31658
  Regional neutron-balance method for multi-group calculation of multi-region fast reactors, 21:10166
  Resonance overlap effect on effective cross section, 24:49686
  Solution of group-diffusion equation using Green's function, 21:21379
  Solution of one-dimensional group-diffusion equation by Laplace transformation, 22:1571
  Solution of transport equation for multiplying slab by Laplace transformation, 22:44598
NISHIHARA, Homi Effect of partial marrow shielding on hematopoietic recovery, 23:43861
  Effect of thymectomy in modifying the immunological reactivity of xenogeneic radiation chimeras, 23:22237

- Late somatic effects of diverse radiations, 23:43862
- NISHIHARA, Kiyokado Spectrographical analysis of ^{233}U with a hollow cathode discharge tube, 25:54435
- NISHIHARA, Masao Strength of metallic materials under high pressure, 24:8046 (UCRL-Trans-10391)
- NISHIHARA, Tomio Effect of gamma irradiation on the very dilute solution of collagen in the atmosphere of air and nitrogen, 25:8307
- NISHII, Masanobu Radiation-induced polymerization of pentoxane, 24:11640
  - Radiation-induced solid-state polymerization of trioxane, 21:19704
  - Radiation-induced solid-state polymerization of vinyl compounds in binary systems, 21:36038
  - Radiation-induced solid-state polymerization of trioxane, 22:8107 (AEC-tr-6908, pp 173-82)
  - Radioinduced solid state polymerization. II, 23:17454 (JAERI-5018, pp 31-3)
  - Reactions of active species in irradiated organic solids, 24:11582 (JAERI-5022, pp 196-8)
  - Studies on radiation induced solid state polymerization on the chain propagation in the solid state, 22:8132
  - Studies on radiation induced solid state polymerization on the chain propagation in the solid state, 22:42717 (AEC-tr-6937, pp 158-69)
- NISHIIKE, U. Neutron irradiation effects on iron containing aluminum and nitrogen, 25:42908
- NISHIJIMA, K. Fields and particles, 23:34650
  - Model of CP violation, 22:39338
  - Model of CP violation, 23:49192
  - Normalization of Bethe—Salpeter amplitudes, 22:3515
  - Unsubtracted dispersion relations in weak interactions and unitary symmetry. II, 21:33679
  - Violation of CP invariance and electric dipole moment of neutron, 22:5536
  - Violation of CP invariance and non-leptonic decays, 22:5624
  - Violation of CP invariance and nonleptonic decays, 21:35325 (AD-650951)
- NISHIJIMA, Kazuhiko Dynamical approach to weak interactions, 21:13696
  - HNZ construction for composite particles, 24:3558
  - Implications of the Fermi-interaction structure in the S-wave decays of hyperons, 25:47811
  - Model of CP violation, 23:39768
  - Model of parity-violating nonleptonic decays, 24:47424
  - Nonleptonic decays of neutral K mesons and Lee—Sugawara sum rule, 25:59396
  - P-wave decays of hyperons, 23:10742
  - P-wave decays of hyperons. II, 23:39672
  - Product of field operators and finite field equations, 24:15429
  - S-matrix in nonlinear field theories, 25:41116
- NISHIJIMA, Mitsuaki Electron-bombardment-induced emission of ions from solid surfaces, 25:16767
- NISHIJIMA, Shinji Low-energy quantum radiation glass dosimeter, 22:51262
- NISHIJIMA, Shoichi Hall effect on MGD flow past an axisymmetric body. II, 24:17728
- NISHIJIMA, Shunji Some improvements on spherical capsule type glass dosimeter, 23:11884
- NISHIJIMA, T. Change of UO_2 hardness with rising temperature and change of crystal structure by annealing, 22:38621 (KFK-tr-252)
- NISHIJIMA, Toraji Combustion of nuclear fuels of oxides, 23:32071
  - Fuel assembly TTA-1, 21:30199
  - Method for producing nuclear fuel plates, 22:48754
  - Method for shaping uranium oxide moldings, 22:49810
  - Nuclear fuel pellets of UO_2, 25:32778
  - UO_2 nuclear fuel elements (pellets), 23:45145
- NISHIKADO, Mamoru Tritium labeling and metabolism of (2-(2-furyl)-3-(5-nitro-2-furyl)-acrylamide), 24:31781
- NISHIKAWA, Hironobu Dislocation loops in the surface layer of cadmium crystals, 25:22113
- NISHIKAWA, K. Collisional effect on the quasilinear process associated with the ion-wave instability, 24:10540
  - Conductivity of a plasma with random and coherent fluctuations, 23:46475
  - Effect of electron trapping on the ion-wave instability, 24:3425
  - Electric conductivity of weakly turbulent plasmas, 25:19685
  - Observation of extremely high energy nuclear interactions with emulsion chamber, 22:3237
  - Saturated boiling heat transfer in narrow spaces, 24:19153
  - Spatial ion-wave echoes, 23:23214
- NISHIKAWA, Kaneyasu Boiling-like phenomena at supercritical pressures, 21:8518
- NISHIKAWA, Kansuke Clinical application of ^{89}Sr into bone tumors, 24:27630
- NISHIKAWA, Kazuyuki Design and construction of fuel for DCA, 25:23350
  - Nuclear fuel of uranium carbide dispersed in silicon carbide, 22:52241
  - Trial fabrication of an Na-bonding fuel rod, and its out-of-pile test, 25:19276
- NISHIKAWA, Kiyoshi Correspondence between ECC γ-ray and spark chamber shower, 25:2487
  - Energy spectroscopy of gamma rays using organic scintillator, 25:23795
  - Estimation of coefficient of luminescence in organic scintillator by using digital computer, 25:57753
- NISHIKAWA, Kyoji Electrical conductivity of weakly ionized turbulent plasma. I, 22:44092 (NSJ-tr-122)
  - Formulation of plasma wave echoes as an initial-value problem, 23:23195
  - High-frequency conductivity of a plasma with fluctuations, 24:8474
  - Hot electron formation by beam-excited plasma oscillations, 22:17659
  - Instability of a weakly ionized plasma induced by an alternating electric field, 21:35205
  - Interaction between an electron wave and an ion wave due to scattering by electrons, 24:40151
  - Numerical study of collisional effects on spatial ion-wave echoes, 24:35514
  - Parametric excitation of coupled waves. II, 22:29508
  - Possible excitation of high-frequency waves by a large amplitude low-frequency wave in a plasma, 22:31808
  - Statistical mechanics of turbulent plasmas. I, 21:2251
  - Theory of trapped particle instability. I, 25:36180
- NISHIKAWA, M. γ-radiolysis of gaseous carbon dioxide at high densities, 25:57461
- NISHIKAWA, Masahiro Decrease in intensity of Hg lines near source in weakly ionized flow, 25:14100
- NISHIKAWA, Masaru Effect of hydrogen atom and electron scavengers on the gas-phase radiolysis of ammonia, 21:36005
  - Gas-phase radiolysis of ammonia: effect of density and additives, 22:18839
  - Pulse radiolysis of gaseous mixtures of benzene and naphthalene, 23:35189
  - Radiolysis of ammonia, 23:40762
  - Radiolysis of Co-EDTA in aqueous solution, 21:42968
  - Radiolysis of gaseous ammonia at high densities, 23:15915
  - Yield of hydrogen atoms in the vapor phase radiolysis of ammonia, 22:42781
- NISHIKAWA, Motoyuki Pulsed reactor experiment and analysis for reactivity accident evaluation, 25:23349
- NISHIKAWA, O. Controlled hydrogen partial pressure in a field ion microscope, 21:34446
  - Field ion microscopy of hafnium, 25:16521
- NISHIKAWA, Sataro Radiochemical studies on surface contamination of "KUR" fuel, 23:15812 (KURRI-TR-3)
  - Radionuclides and hydrogen peroxide in cooling water, 23:49595
  - Safety handling facilities and equipments, 23:45501
- NISHIKAWA, Satoru Evidence of energy transfer from pair Gd ions to other rare earths in Y—Gd oxide crystal, 23:3573
- NISHIKAWA, Seiichi Recrystallization characteristics of Al—0.3 wt percent Zr alloys, 22:2602
- NISHIKAWA, T. Beam loading effects in standing wave linacs, 21:11846 (LA-3609, pp 294-302)
  - Cold incubation method in ^{131}I—T3 resin sponge uptake test, 24:29650
  - Design of high-gradient accelerating column, 25:31048 (SJC-A-71-2)
  - Dispersion relation of periodic cavity chains with two coupled passbands, 23:19027 (BNL-13348)
  - Electroplating of proton linear accelerator tanks, 25:22915 (SJC-A-70-3)
  - Electroplating of proton linear accelerator tanks, 25:45871
  - Equivalent circuit and dispersion relation for the multistem drift tube structure, 21:7585 (BNL-10834)
  - Fracture path in WC—Co cemented carbides, 24:48893
  - Fracture surfaces of WC—Co cemented carbides, 23:24997
  - Longitudinal space charge effect in proton linacs, 22:32265 (CEAL-2000, pp 162-6)
  - Model cavity studies for tank design and on tank fabrication, 23:19062 (BNL-50120(Pt.2), pp 543-56)
  - Negative pion production from neutrons by polarized γ rays, 22:52918
  - Numerical analysis of the rf field in a drift tube loaded cavity, 21:38033
  - Production of monochromatic γ rays by collimation of coherent bremsstrahlung, 25:47715
  - Production of quasi-monochromatic polarized bremsstrahlung from a single crystal of silicon, 21:29784
  - Prototype of drift tube quadrupole magnets, 25:14849 (SJC-A-70-6)
  - Search for quarks, 23:23323
  - Transients and beam loading effect, 25:50248
  - Unified theory on beam dynamics in proton linacs, 23:19048 (BNL-50120(Pt.1), pp 395-9)
- NISHIKAWA, Takeshi Transmission electron microscopy of WC—Co cemented carbides, 25:16599
- NISHIKAWA, Tetsuji Analysis of pion photoproduction on nucleons below 500 MeV, 24:37682
  - Coherent bremsstrahlung from Si single crystal. II, 21:2302
  - Monochromatization of collimated coherent bremsstrahlung from a thin silicon crystal, 25:22946
  - Multichannel pulse-height analyzer as recording device of wire spark chamber, 24:19217
  - Production asymmetry in $\gamma + n \rightarrow \pi^- + p$ process with polarized photons, 24:37603
- NISHIKAWA, Yasuharu Absorption behavior of radionuclides, mainly rare earth elements, in seawater, 25:26339
  - Activation analysis of lanthanum and europium in sea water and lake water, 22:21043
  - Fluorometric determination of cerium in seawater, 25:39424
  - Fluorometric determination of Sc, 23:33141
  - Separation of rare earth elements, 23:26340
- NISHIKAWA, Yasushi Decontamination of fission products on human skin and hair, 23:8013
- NISHIKAWA, Yoshiyuki Radiation control at Tokai Nuclear Power Station, 23:37455
  - Radiation control in the atomic power station, 23:9104
- NISHIKAWA KAZUO Uranium—carbide dispersed silicon—carbide nuclear fuel. II, 23:13586
- NISHIKI, Masahiro Radioprotective effect of cobalt Greenpole and Greenpole mixture and Metaloc, 24:27616
- NISHIKIDO, Giichi Uranium milling and refining, 23:15947
- NISHIKIMI, Morimitsu Kinetic isotope effect on the reaction of D-amino-acid oxidase, 24:22638
- NISHIKORI, Kiyoshi Recent ionospheric sounding, 21:37330
- NISHIMAKI, K. Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
- NISHIMAKI, Kenzo Movement through soil of radioactive nuclides contained in chemical processing waste, 22:51208
  - Temperature distribution in biological shield concrete of KUR, 24:38599 (KURRI-TR-70)
- NISHIMORI, Ichusei Myeloma nephrosis in bomb survivors, 22:8580
- NISHIMOTO, Kazuo Studies on electrodeposited alloys. XI, 24:42103
- NISHIMOTO, Kazuya Contribution absorption-reemission process to the complex level shift in the pionic atom, 25:55833
- NISHIMOTO, T. Uv-irradiated DNA, 23:48284
- NISHIMOTO, Tatsuya Transmission electron microscopy of WC—Co cemented carbides, 25:16599
- NISHIMURA, Akihisa Estimation of genetically significant dose equivalent from occupational exposure to external sources of radiation in Japan, 25:55230
- NISHIMURA, Atsuo Survey of radioactivity of Osaka Bay, 24:48552
- NISHIMURA, F. Spectra of electrons from autoionization states in helium, 24:12644
- NISHIMURA, Fumio Characteristics of experimental apparatus for electron—atom collisions, 24:39869
  - Electron slowing-down spectra in aluminum and copper, 21:39800
- NISHIMURA, G. S. Classification of the indium—zinc eutectic, 25:58286
- NISHIMURA, H. Studies on γ-radiolysis of sulphur-containing amino acids. II, 25:26294
- NISHIMURA, Hiromichi ESR in γ-irradiated isobutylene in xenon matrices, 25:148
  - ESR of γ-irradiated propylene at -196°C, 25:133
  - Gamma-initiated solid state polymerization of tetrafluoroethylene, 25:29112
  - Gamma-initiated solid-state polymerization of halogenated ethylene, 25:31967
  - Radiation induced solid state polymerization of ethylene, 25:147
- NISHIMURA, Hiroyuki Effects of γ-irradiation on the enzyme relating to the development of characteristic odor of onions, 25:26620
  - Excitation of N_2^+, O_2^+, and CO_2^+ band by electron impact, 22:15369
- NISHIMURA, J. Electron-induced cascade showers in Pb, Cu, and Al, 24:12927
  - Extensive air showers observed in the emulsion chamber, 21:37209
  - Nuclear interactions produced in the emulsion chamber, 21:37666
  - Observation on extremely high-energy nuclear events by the emulsion chamber, 21:37692
  - Theory of cascade showers, 22:5171
- NISHIMURA, Jun Mechanism for the radio emission from air shower, 24:32690
  - Observation of primary electrons with emulsion chamber, 25:30328
  - Radio wave emission from extensive air showers, 23:44203
- NISHIMURA, K. Analysis of neutron inelastic scattering by ^{238}U, 25:15135
  - Fast-neutron capture cross-sections of Cr, Fe, Ni, and Mo, 25:14970
  - Investigation of reaction ^{9}Be(^{3}He,n)^{11}C in energy range 3.5 to 10 MeV, 22:41954
  - Investigation of the reaction ^{9}Be(^{3}He,n)^{11}C in the energy range 3.5 to 10 MeV, 22:26892
  - Reaction ^{9}Be(^{3}He,n)^{11}C in energy range 3.5 to 10 MeV, 22:39577 (CONF-670970-, pp 161-77)
  - Vertical type cryostat for a polarized proton target, 23:44764
- NISHIMURA, Katsuyuki Electron spin resonance in Ti-doped VO_2, 24:24172
- NISHIMURA, Keiichi Growth rates of plasma oscillations for symmetrical double-humped velocity distributions, 25:49933
  - Polynomial expansion method for problems involving a relativistic Maxwellian distribution, 25:59053
  - Velocity dependence of Coulomb logarithm and temperature equalization of electrons and ion in plasma, 21:7232
- NISHIMURA, Keizo Method for producing fuel rods for a gas-cooled power reactor, 22:44848
- NISHIMURA, Kenji Abnormal formation of visual organs of amphibian larvae induced by radioactive rainwater, 22:15049
  - Formation of visceral inversion caused by radioactive Fe and Ca, 22:10857
  - Influence of ^{137}Cs and ^{90}Sr on the growth of early stage amphibian eggs, 22:10875
- NISHIMURA, Kintaro Effect of scattered gamma rays on the enhancement of fluorescence x rays in gamma-ray gauging, 24:31751
- NISHIMURA, Kunio Activation analysis of trace mercury in gas, 23:11461
  - Determination of mercury in gas by radio activation analysis, 23:15821
  - Utilization of radioisotopes for measurement of leaks in chemical plants, 22:16781
- NISHIMURA, S. Measurements of reactor neutron flux by fission track method, 24:31692
  - Spectrum of HR 774, 22:23983
- NISHIMURA, Sanae Effect of glutathione on the protection against radiation, 25:11098
- NISHIMURA, Shiro Variability of metallic-line star 28 Andromedae, 23:18299
- NISHIMURA, Susuma Disequilibrium of the ^{238}U series in recent volcanic rocks, 24:33785
- NISHIMURA, Susumu Determination of ages and uranium content of some minerals and glasses, 24:31477
  - Determination of U in standard rocks by fission-track registration, 24:27001
  - Determining U and Th content of rocks by neutron activation, 21:45039
  - Determining U and Th contents in rocks by radioactive measurements. II, 21:4452

  Method of determining U and Th content of rocks in radioactive disequilibrium by neutron activation analysis. I, 21:25807
  Radium and uranium contents of standard rocks, 24:18926
  Study of age determination method on some minerals and glasses by fission-track registration, 25:54760
  Trial method of determining U and Th content in rocks by the radioactive measurements. II, 21:42896
  Trial method of determining U and Th content in rocks by radioactive measurements. II, 22:33209 (NSJ-tr-103)
  Trial method of determining uranium and thorium content in rocks by radioactive measurements. III, 21:23847
  Uranium, Th, and K content of Kumotaniyama and Mihama granitic bodies, 24:9532
  Uranium, Th, and K content of Rokko granitic bodies, Hyogo prefecture, 24:7518
NISHIMURA, Takashi Superconducting properties and phase transformation in titanium alloys. III, 22:19535
NISHIMURA, Takeshige Effect of vitamedin on the radiation sickness, 22:43381
NISHIMURA, Tomio Role of Mo in oxidation of TiC—Ni—Mo alloys, 24:2980
NISHIMURA, Tomitaka Effect of Cr on 3 Mo—Cr type steels, 23:996
  Tempering behavior of 3Cr—W, 3Cr—W—Co, and 12Cr—W—Co-type tool steels for hot work, 22:2635
NISHIMURA, Toshio Chromosome aberrations in leucocytes, 22:51533
NISHIMURA, Yaichi Method for producing a multi-constituent nuclear fuel, 23:8286
NISHIMURA, Yasuro Phase-forming processes in tantalum films through sputtering, 24:32909
NISHIMUTA, Ichiro Abnormal enhancements of hf noise intensity at Syowa Station, Antarctica, 25:38242
NISHINA, K. Neutron wave analysis in finite media, 24:20301
NISHINA, Kojiro Energy-dependent diffusion theory treatment of neutron wave propagation in a finite medium, 24:20312
  Neutron wave propagation in finite crystalline media, 25:53500
  Remarks on neutron-wave analysis, 21:38184
NISHINA, Y. Application of pulse magnetic field to magneto-optical studies in semiconductors, 22:22226
NISHINO, O. Sliding pulser for rapid testing of integral linearity, 25:35066
NISHINO, Osamu Correlator with real time operation, 24:47948 (CONF-680980-, pp 161-73)
  High-speed time analyzer, 22:14612
  Integral techniques for the measurements of intermediate neutron spectra, 25:44671
  Some new applications of neutron slowing down time spectrometry, 25:15921
  Storage counters using FET's, 22:23367
  Storage counters using FET's, 23:14081 (NSJ-tr-140)
  Time analyzer using binary scalers, 22:38153
  Time analyzer using binary scalers, 23:47876 (NSJ-tr-150)
NISHINO, Takuro Effects of x-rays on dye solutions, 23:31366 (NP-tr-1786)
NISHINUURA, S. Fission track dating of archaeological materials from Japan, 25:32078
NISHIO, Gunji Ion exchange method for separating uranium isotopes, 25:15736
  Kinetics of carbon transfer between uranium carbide fuel and stainless steel bonded with sodium, 25:55589 (JAERI-Memo-4438)
  Process of carburization in austenite stainless steel, 25:4739 (JAERI-Memo-4132)
NISHIO, Kazuo Changes of resistance against x-rays, 23:41226
  EBR-II skull reclamation process. IV, 24:13991 (ANL-7614)
  Effect of x-irradiation on the lactate dehydrogenase level in plasma and in various organs of mice, 22:49274
  Effect of x-irradiation on the release of LDH, 24:9777
  Effects of ^{137}Cs and ^{90}Sr administered continuously and through generations upon mice. V, 22:45457
  Effects of ^{137}Cs and ^{90}Sr administered continuously and through generations upon mice. VI, 23:41227
  Effects of ^{137}Cs and ^{90}Sr administered continuously upon mice. VII, 24:48698
  Effects of ^{137}Cs and ^{90}Sr on the growth and reproduction of mice. IV, 22:12912
  Effects of ^{90}Sr and ^{137}Cs on mice, 23:20387
  Effects of x-irradiation on lactate dehydrogenase isozymes in plasma and in various organs of mice, 24:39563
  Laboratory simulations of cladding-steam reactions following loss-of-coolant accidents in water-cooled power reactors, 24:36043 (ANL-7609)
NISHIO, Y. Weld cracking and mechanical properties of 17 percent chromium steel weldment, 25:13696
  Welding of tantalum and newly developed tantalum-clad steel, 25:35356
NISHIOKA, H. Different modes of loss of photoreversibility of mutation, 24:2628
  Loss of photoreversibility of ultraviolet light-induced mutations, 25:513
NISHIOKA, Hajime Decontamination of fission products on human skin and hair, 23:8013
  Decontamination of fission products on human skin and hair, 23:14196
  Removal of the radioactive surface contaminations, 22:23558
NISHIOKA, I. Sintering of uranium dioxide, 25:42950
NISHIOKA, Isao Preliminary report on the evaluation of UO$_2$ for the manufacture of fuel elements, 25:734
NISHIOKA, Kazumi Symmetry number in classical statistical mechanics, 24:45399
NISHIOKA, Kenji Cost-performance tradeoffs of advanced materials and construction for large launch vehicle structures, 25:47116 (NMAB-272, pp 467-511)
NISHIOKA, Kiyoharu Renal scanning with /sup 113m/In, 23:50707
NISHIOKA, Masahiro Nuclear magnetic resonance and specific heat measurements of transition metals and alloys, 21:15233
NISHIOKA, Y. Genetic analysis of aromatic mutants of Salmonella typhimurium, 21:28416
NISHIRAKU, Takashi Color centers in silicate glass induced by ionizing radiation, 22:50995
NISHITA, H. Effect of chelating agents on the movement of fission products in soils, 21:19763
  Effect of moisture tension of the concentration of tracer ^{90}Sr in expressed soil solution, 21:28091
  Heating effects on gamma irradiated soils, 23:40860
  Influence of clinoptilolite on ^{90}Sr and ^{137}Cs uptakes by plants, 25:49121 (UCLA-12-829)
  Influence of minerals on ^{90}Sr and ^{137}Cs uptake by bean plants, 22:30974
  Influence of soil heating on the growth and elemental composition of bean plants, 23:43661 (UCLA-12-731)
  Influence of temperature during gamma irradiation thermoluminescence of soils and LiF and CaF$_2$ dosimeters, 24:36627 (UCLA-12-781)
  Influence of temperature during the gamma irradiation period on the subsequent thermoluminescence of soils and LiF and CaF$_2$ dosimeters, 25:39599
  Integrator for low absorbance samples in atomic absorption spectroscopy, 25:41702 (UCLA-12-823)
  Root transfer of fission products from contaminated soil, 21:24357
  Some physical and chemical characteristics of heated soils, 25:41926 (UCLA-12-819)
  Spurious thermoluminescence of soils, 24:4375 (UCLA-12-757)
  Thermoluminescent characteristics of gamma irradiated soils, 22:44261
NISHITA, Hideo Soil thermoluminescence in relation to radiation exposure under field conditions, 24:19121 (PNE-526)
NISHIWAKI, Akira Correlations between sudden phase anomalies in very long waves and bursts of solar x rays, 25:58888
NISHIWAKI, Ichiro Loss of coolant accident in water cooled nuclear power reactors. II, 23:33060 (AEC-tr-7047)
  Loss-of-coolant accident in water-cooled nuclear power reactors. III, 25:10246
  Loss-of-coolant accident. II, 23:15665
  Studies on loss-of-coolant accident in water-cooled nuclear power reactors. III, 25:54168
NISHIWAKI, Koji Pulse height analysis and 400-channel analyzer, 22:4513
NISHIWAKI, Y. Basic principles and the role of glass dosimeters in personnel dosimetry, 22:21515
  Detection of neutrons with the etch-pit counting method, 23:4825
  Effects of acridine orange on the biological action of gamma-ray, 25:8707
  Improved radiophotoluminescent dosimeter and new nuclear track detector, 23:47858
  Safety aspects of waste management, 24:31650
NISHIWAKI, Yasushi Analysis of transmitted gamma rays by multiple scattering method. I, 24:45303
  Analysis of transmitted gamma rays by the multiple scattering method. II, 24:49243
  Approximate transmission dose buildup factor for stratified slabs, 24:10599
  Decontamination of fission products on human skin and hair, 23:14196
  Detection of fast neutrons by etch-pit method of nuclear track registration in plastics, 25:23826
  Detection of neutrons with the etch-pit counting method, 22:40370
  Determination of arsenic in biological materials by activation analysis, 22:48
  Neutron dose calibration by a low power reactor, 22:4489
  Radioactive fallout from Chinese nuclear explosions, 22:51131
  Release of radioactivities from ion exchange resins into sea water, 23:11676
  Removal of the radioactive surface contaminations, 22:23558
NISHIYAMA, A. Irradiation test of the Sumitomo test assembly, 24:14970
NISHIYAMA, Atsushi Reactor-core materials, 22:35486
NISHIYAMA, Hiroshi Visualization of human adrenal glands in vivo by scintillation scanning, 25:24263
NISHIYAMA, I. Radiobiological studies in plants. XIII, 22:21636
  Radiobiological studies in plants. XII, 22:21635
NISHIYAMA, Ichizo Gamma-ray-induced mutants in Japanese wheat, 22:479
  Radiobiological studies on plants. IV, 21:20148
NISHIYAMA, K. Magnetic moments of isomeric levels in the Br isotopes, 25:43841
  Quasi-free electron scattering on ^{12}C and ^{9}Be, 24:52415 (INSJ-122)
NISHIYAMA, Katsuo Radiation-induced polymerization of p-halosubstituted styrene, 22:10296
NISHIYAMA, Ronald H. Treatment of thyroid cancer. Death rates after surgery and after surgery followed by sodium iodide ^{131}I, 25:11234
NISHIYAMA, S. Unified microscopic approach to the vibrational and rotational motion in even nuclei, 23:28349
NISHIYAMA, Seiya Vibrational and rotational motion in even nuclei, 23:28329
NISHIYAMA, Takeshi Radiation cystitis in gynecological cancer, 23:20412
NISHIYAMA, Toshiyuki Interaction of an individual particle with phonons in an interacting many-boson system, 22:13387
  Interaction of elementary excitations in a many-Bose particle system, 22:9265
  Sum rule and collective description, 21:35123
NISHIZAKA, J. M. HNPF spent fuel shipping cask, 22:45266 (NAA-SR-Memo-10549)
NISHIZAKI, Kyoji Determination of boron and Cd in Zircaloy-2. VI, 23:72
NISHIZAKI, Ryo Observations for proton flare project 1969. III, 24:35113
  Proton cyclotron echoes in the topside ionosphere, 23:48830
NISHIZAKI, Yasuko Radiation-induced polymerization of vinyl acetate, 24:27176
  Radiation-induced vapor-phase grafting of methyl methacrylate onto poly(vinyl alcohol), 25:37414
NISHIZAWA, K. Application of solid-state track detector for RdTh daughter nuclides, 24:31724
NISHIZAWA, Kazushige Pulse counting method using channel multiplier, 24:25280
NISHIZAWA, Kunihide Application of digital computer for determination of radioisotope distribution in the body sections, 24:31706
  Determination of radioisotope distribution in the body using the ring-type total body counter, 24:31702
NISHIZAWA, Mizuho Radiochemical studies of protein reactions, 24:31372
NISHIZAWA, Y. Removal of iodine from atmosphere by sprays, 24:33345
  Removal of iodine from atmosphere by sprays, 25:25992
NISHIZAWA, Yukinori Recent studies in nuclear power plant safety. I, 21:8815
  Removal of iodine from atmosphere by spray. III, 24:2008 (ORNL-tr-2240)
  Removal of iodine from atmosphere by spray. IV, 24:2009 (ORNL-tr-2241)
  Vapor—water partition coefficient of iodine and organic iodides, 24:4353 (ORNL-tr-2255)
NISHKAWA, Kyoji Second-order perturbed distribution associated with the plasma wave echo, 24:42736
NISHNIANIDZE, K. A. Marrow haematopoiesis under ionizing radiation and chemical substances used in combating malignant tumors, 23:29887
NISIGAKI, Susumu Oxidation of pure Be in CO$_2$, 23:20475
  Oxidation of pure Be in CO$_2$ at high temperatures, 23:18213
NISIMURA, K. Measurement of spin correlation parameters A/sub xx/ and A/sub yy/ of proton—proton scattering at 50 MeV, 22:26806
  Spin correlation parameter measurements in p—p scattering at 37.2 MeV, 24:24226
  Spin correlation parameters A/sub xx/ and A/sub yy/ for proton—proton scattering at 47.5 MeV, 24:15788
NISIMURA, Keigo Nucleon—nucleon scattering, 22:11996
NISIWAKI, Koji Mass spectrometer for detecting single focussing and double focussing mass spectra, 24:514
NISIZAWA, Mizuho Radiation chemical studies of protein reactions, 22:25388
  Radiation chemical studies of protein reactions: effect of protectors against radiation, 22:40108
  Radiation chemical studies of protein reactions, 22:45133
  Radiation chemical studies of protein reactions, 23:35150
  Radiation chemical studies of protein reactions, 24:253
  Radiation chemical studies of protein reactions, 24:2247
  Radiation chemical studies of protein reactions, 24:5682
  Radiation dose and optical rotation, 24:4307
  Radiation reactions chemical studies of protein, 24:4308
NISKANEN, E. Effect of factors in serum from irradiated rat, 22:15052
NISLE, R. G. Decomposition of empirical functions as applied to recoil-proton spectrometer data, 23:26563
  Fission product transient measurements in the advanced reactivity measurement facilities, 21:46718 (IN-1096)
  Graphical analysis of neutron line spectra, 23:43531
  Measurement of ^{133}I yield ratios and fission-product cross sections in advanced reactivity measurement facilities, 22:16045
  Measurement of ^{241}Pu half-life by a reactivity method, 21:8066
  Measurements of fast-neutron capture integrals in CFRMF, 25:5656
  MTR thorium program, 21:35718 (IN-1104)
  Use of ARMF for a fast reactor support program, 22:6096 (IN-1143)
NISLE, Robert G. Beta-decay half-life of ^{241}Pu, 24:18412
  Computer code for the calculation of fuel and poison cross sections from reactivity measurements, 21:2894 (IN-1017)
  Prog. rpt. on ^{232}Th—U^{233} irradiation program at MTR, 6/66, 21:31060 (IN-1105)
  Recent research on Th at Materials Testing Reactor, 23:4311 (IN-1254)
NISLEY, R. A. Reaction matrix elements and structure calculations with the Yale and Reid potentials for the Ni region, 25:56857
NISNEVICH, N. I. Ionospheric measurements by incoherent radio wave scattering, 23:51503
NISSEL, M. Dosimetry of irregular fields in ^{60}Co therapy, 24:48566
NISSEN, D. A. Zirconium electroplating on uranium from molten alkali fluoride salts, 22:52143 (BNWL-825)
NISSEN, H.-U. Feldspar analysis by neutron activation, 25:54494
NISSEN, P. E. Metal-to-H ratio for stars in the Hyades and Coma open clusters, 25:11551
  Metal-to-H ratio for sun, Hyades, and 53 F5—G2 stars, 24:35020
NISSEN, R. F. Conductive coating for ceramic beam tubes, 25:50542
  Pulsed septum magnet and power supply for 8 GeV beam transfer line at NAL, 25:50532
NISSIMOV, H. Analytic representation of fast-reactor neutron-energy spectra, 24:33246
  Approach to the nuclear many-body problem by a variationally determined transformation, 24:13424
  Ceger-of-mass motion in shell-model calculations with arbitrary central potential, 23:15524

  - Random phase approximation for solvable nuclear model, 24:3984
  - Second random phase approximation via the generator coordinate method, 24:13395
- NISSIM-SABAT, C. Crossed-wire spark chamber with remote core readout from both electrodes, 21:16193
  - Energy shifts and intensity ratios in the muonic x-ray spectra of the $^{206\ 207\ 208}$Pb isotopes, 21:3647
  - Neutral- and charged-pion form-factor slopes, 24:3499
  - Precise measurement of the parameter delta governing the decay spectrum of polarized muons, 21:2358
  - Precise measurements of muonic isotope shifts for 29 nuclides, in particular, for the Ca isotopes 40, 42, 44, and 48, 21:29995
  - Relative phase of the K/sub L/ $\rightarrow \pi^+\pi^-$ and K/sub S/ $\rightarrow \pi^+\pi^-$ decay amplitudes, 23:44587
- NISSIM-SABAT, S. Measurement of neutral and charged pion form factor slopes, 23:27736 (NP-17880)
- NISSL, Adolf Crack formation nitrided components of X6CrMo4, 25:8940
- NISTAD, J. Nuclear power station safety and the responsibility of utilities, 25:53976 (A/CONF.49/P-304)
- NISTERUK, C. J. Quantum-statistical distribution functions of a hard-sphere system, 21:17012
- NISTLER, W. Neutron—deuteron scattering lengths, 25:50158
  - Neutron—proton and neutron—carbon scattering amplitudes, 25:59696
- NISTOR, C. Influence of source-absorbent geometry of experimentally determined Moessbauer spectrum parameters, 21:19945
  - Intensity of x rays produced by Moessbauer absorption, 21:23575
  - Moessbauer effect in several copper—manganese ferrites, 22:24428
  - Optimum conditions for Moessbauer transmission experiment, 22:3176
- NISTOR, S. V. Electron spin resonance studies of irradiated semiconductors, 21:44205
  - ESR parameters analysis of oxygen color centers in doped NaCl single crystals, 25:52896 (IFA-SR-1)
  - ESR studies of x-irradiated NaCl crystals, 24:26314
  - ESR studies of x-ray-irradiated NaCl—Fe system, 23:23288
  - Magnetic resonance studies of crystal field distortions in LiF:Fe^{3+} system, 22:3164 (IFA-IS-46)
- NISTOR, V. Hollow cathode effect mechanism, 21:35174
- NISWANDER, Jerry D. Permanent dentition in Japanese children, 23:33802
- NISWENDER, G. D. Radioimmunoassay for rat prolactin, 23:50253
  - Radioimmunoassay for rhesus monkey luteinizing hormone (LH) with anti-ovine LH serum and ovine LH-^{131}I, 25:42237
  - Radioimmunologic studies of rat LH, 24:29685
- NISWENDER, Gordon D. Radioimmunoassay for bovine and ovine luteinizing hormone, 23:31680
  - Radioimmunoassays employing double antibody techniques, 24:34012
  - Radioimmunologic studies with murine, bovine, ovine, and porcine luteinizing hormone, 24:29684
  - Reliability of radioimmunoassay methods, 24:34008
- NISWENDER, Gordon G. Serum luteinizing hormone and progesterone concentration, 24:14386
- NITC, V. V. Spectrometer for thermal-neutron inelastic scattering studies at IBR, 24:9683
- NITSCH, G. Use of the Jena 30-MeV betatron in radiation therapy, 21:18091
- NITSCHE, E. Universal vacuum chamber for lithium-drifted germanium detectors, 24:5916 (EUR-4269, pp 137-42)
- NITSCHE, P. Drift of nocturnal sporadic clouds in E region of ionosphere, 22:15447
- NITSCHKE, H. W. Inhalation of radioactive substances. III, 24:9738 (LF-tr-1)
- NITSCHKE, H.-W. Inhalation of radioactive materials. III, 23:31612 (SZS-3/69)
  - Inhalation of radioactive substances. II, 22:30935 (SZS-16/67)
  - Metabolism of ^{95}Nb after parenteral administration of ^{95}Nb oxalate in mice, 25:51977
  - Metabolism of inhaled radiosamarium in mice, 25:51976
  - Metabolism of radiopromethium in mice after inhalation of ^{147}Pm containing luminous mass, 23:11989 (SZS-11/68, pp 12-19)
  - Radiocerium incorporation in rats and inhalation of luminous paints containing ^{147}Pm, 23:11987 (SZS-11/68)
- NITSCHKE, J. Light output of NE 213 scintillators for protons, 22:16888
- NITSCHKE, J. M. Measurement of Omnitron cryopumping and outgassing by 10^{-14}-torr pulse-counting mass filter, 23:37055
  - On-line isotope separation at HILAC, 24:13245
  - Recoil atom mass analyser (RAMA), 25:28106 (CERN-70-30(Vol.1), pp 153-62)
- NITSCHKE, Joachim M. Measurement of omnitron cryopumping and outgassing by 10^{-14} torr pulse counting mass filter, 22:37965 (UCRL-17845)
- NITSCHKE, R. AEG superheat reactor experiments in critical facility and zero-power tests, 24:38493
- NITTA, Isamu Conformation and reaction of stereoisomeric radicals trapped in irradiated cis- and trans-cyclohexane-1,2-diol, 21:17678
  - Electron spin resonance studies of irradiated boron compounds. II, 22:8135
  - Electron spin resonance studies of irradiated boron compounds. II, 22:42721 (AEC-tr-6937, pp 192-201)
  - Electron spin resonance study of an irradiated single crystal of boric acid, 22:8112 (AEC-tr-6908, pp 237-44)
  - ESR spectra of irradiated beryllium acetylacetonate single crystal, 25:10623 (JAERI-5026, pp 157-60)
  - ESR spectra of irradiated proteins, 23:17455 (JAERI-5018, pp 41-4)
  - ESR study of adsorbed monomer and dimer cation radicals of benzene and its methyl derivatives, 25:46518
  - ESR study of γ-irradiated NH$_3$—silica gel system, 24:11553 (JAERI-5022, pp 6-12)
  - ESR study of γ-irradiated pyridine—silica gel system, 25:10622 (JAERI-5026, pp 6-10)
  - ESR study of irradiated cyclic hydrocarbons in solid state, 21:12474
  - ESR study of irradiated organic phosphorous compounds, 21:19706
  - ESR study of irradiated organic phosphorus compounds at low temperature, 22:8111 (AEC-tr-6908, pp 216-36)
  - ESR study of irradiated polyethers, 22:8134
  - ESR study of irradiated polyethers, 22:42720 (AEC-tr-6937, pp 184-91)
  - ESR study of irradiated single-crystal of boric acid, 21:19707
  - Formation of dimer cations of toluene and p-xylene in the adsorbed states, 24:11552 (JAERI-5022, pp 1-5)
  - Irradiation effects of gramicidin, 24:11579 (JAERI-5022, pp 185-9)
  - Irradiation effects of oxytocin, 25:10625 (JAERI-5026, pp 164-7)
  - Radiation chemistry in adsorbed states. I, 23:17456 (JAERI-5018, pp 45-50)
  - Radiation chemistry in adsorbed states. II, 23:17457 (JAERI-5018, pp 51-4)
  - Radiation effects on gramicidin. II, 25:10587 (JAERI-5026, pp 167-8)
  - Radiation effects on some metal acetylacetonates, 24:11577 (JAERI-5022, pp 175-9)
- NITTA, Kazuo Preparation of ^{131}I-macroaggregated albumin, 21:12940
- NITTA, Tsuneharu Formation, microstructure, and properties of barium zirconium sulfide ceramics, 25:8920
  - Properties of sodium—lithium niobate solid solution, 23:5089
- NITTEBERG, E. Multilevel data-based computer code system for in-core fuel management in light water reactors, 25:54129 (A/CONF.49/P-293)
- NITTEBERG, J. Preliminary assessment calculations on Th—U—heavy water systems, 21:5695 (TID-23415)
- NITTEBERG, L. J. Hazards analysis for PRTR: analysis of increased power level, 21:27799 (HW-61236(Suppl.7))
- NITTI, D. A. Containment sprays and charcoal filters for removal of iodine, 23:29126
  - Stability of sodium thiosulfate spray solution, 24:33343
  - Thorium fuel separation engineering studies, 22:23191 (CONF-660524-, pp 509-35)
- NITTI, L. General formulation of relativistic theory of particle subcostituents (quarks) in terms of a field vector interaction, 25:19972 (IFPTH-10/70)
  - Relativistic quark field theory using the Pade method, 24:40373
- NITTO, Hidemitsu Lepton—hadron collisions, 25:40944
  - Upper bounds on the neutral current with $\Delta S = 1$, 25:40948
- NITTS, V. V. Neutron-diffraction investigation of hematite in magnetic field to 120 kOe on pulsed fast reactor, 24:3458 (JINR-P14-4548)
  - Reciprocal geometry for phonon investigation using JINR IBR, 23:19117 (JINR-P14-4270)
- NITU, R. Emission of high-energy neutrons from π^-—He interactions at 9 GeV, 21:2382
- NITZ, I. Reduction of radiation burden in children, 24:21180
- NITZAN, Shmuel Nussinov Study of the Bethe—Salpeter equation in scalar field theories and high energy scattering, 22:3521
- NITZE, H. R. Radiation treatment of human tumours, 25:55306
  - Radiation treatment of tumors, 25:19071
  - Radiotherapy of synchronized skin tumors in mice, 25:29605
  - X irradiation of animal tumors, 25:19075
- NITZEN, David Square-loop magnetic core model for computer-aided circuit transient analysis, 23:17875
- NITZSCHE, M. Mean neutron energy from D(d,n)^{3}He reaction, 25:43790
  - Scattering of polarized neutrons at 2.7 to 2.9 MeV on carbon, 25:25637
- NITZSCHE, P. Delayed ionospheric D-region effects caused by nuclear explosions, 22:15446
  - Dependence of ionospheric absorption of radio waves on equivalent frequency, 23:34343
  - Retarded ionospheric D-region effects caused by nuclear explosions, 22:50085
  - Seasonal variations of ionospheric absorption deduced from A3 measurements in frequency range 100 to 2000 kc, 21:35082
- NIU, Keishiro Collision effects on electron drift motion, 21:37457
  - Collisionless shock wave in a plasma, 21:33434
  - Electrical conductivity of a fully ionized plasma, 21:42036
- NIU, Kiyoshi Observation of primary electrons with emulsion chamber, 25:30328
- NIVELEAU, Alain Research on DNA of K rat virus, 23:4508 (ORNL-tr-1798)
- NIVEN, Francis J. Jr. Signal correction system for well logging instrument having short and long-spaced radioactivity detectors and a bore hole caliper, 25:23892
- NIVINSKAYA, M. M. Changes in the myelogram of normal and irradiated rats after administration of serotonin, 21:3420
  - Skin reactions to radiation and chrysomalline, 22:49397
- NIWA, Hiroaki Ion—electron change-over type electrostatic particle accelerator. IV, 23:10897
- NIWA, Katsumi Gonadal exposure from intraoral x-ray examination, 23:50527
  - Gonadal exposure from intraoral x-ray examination, 24:14493
- NIWA, Masaru Differential sensitivities of rice plant, 24:31929
- NIWA, Noboru Supersonic flaw-detection method for Zircaloy cladding tubes, 23:3058
- NIWA, Takeo Measurement of Cd ratio in a U—H$_2$O subcritical assembly with scintillation detector, 21:40361
  - Scintillation detector for the measurement of thermal neutrons in subcritical assembly, 22:2374
- NIWAGUCHI, Tetsukichi Distribution of organic mercury compounds and activity of alcohol dehydrogenase, 23:47944
- NIWASE, Ken Application of activation analysis in criminal investigations, 22:6269
- NIWASE, Takeshi Neutron activation analysis of industrial products. II, 25:31869
  - Neutron activation analysis of upper layer paint chips of car, 23:33165
  - On the feasibility of establishing individuality by activation analysis of human hair, 21:30367
- NIX, E. D. Physical constant implied by the author's restriction to Einstein's unified field theory, 23:42741
- NIX, J. R. Exact calculation of the penetrability through two-peaked fission barriers, 25:15004
  - Finite-difference solution of axially symmetric nuclear single-particle potentials, 25:59839 (LA-4735)
  - Predicted ppoperties of the fission of superheavy nuclei, 24:1903
  - Shape of the island of superheavy nuclei, 25:50839
  - Single-particle calculations for deformed potentials appropriate to fission, 24:30903
  - Spontaneous fission of nuclei with Z near 114 and N near 184, 22:44781
  - Theoretical predictions for superheavy nuclei, 25:28309 (CERN-70-30(Vol.2), pp 605-44)
- NIX, James Rayford Calculations of the flattening of idealized nuclei during head-on collisions, 22:27340
  - Calculations of the flattening of idealized nuclei during head-on collisions, 23:49449 (UCRL-17541)
  - Dynamical calculations of the division of idealized nuclei, 22:27341
  - Liquid-drop theory of nuclear fission, 23:37297
  - Microscopic calculations of the inertial mass parameter for fissioning nuclei, 23:34815
  - Normal modes of oscillation of a uniformly charged drop about its saddle-point shape, 21:13920
  - Secondary-minimum hypothesis for spontaneously fissioning isomers, 23:37329
- NIX, Joe Franklin Neutron activation analysis of uranium in stone meteorites, 21:8230
- NIX, Nancy Biochemical studies on bone and other connective tissues. II, 23:12005 (UCD-472-115, pp 48-9)
  - Biochemical studies on bone and other connective tissues. I, 23:12004 (UCD-472-115, pp 45-7)
  - Effect of x-irradiation on DNA polymerase and thymidine kinase activities in transformed lymphocytes, 24:29708 (UCD-472-116, pp 93-5)
  - Kinetics of DNA polymerase activity in transformed lymphocytes from peripheral blood of beagles, 24:29620 (UCD-472-116, pp 89-92)
  - Radium-226 effects on the mucopolysaccharides of cartilage, 24:11964
  - Strontium-90 and ^{226}Ra effects on mucopolysaccharides of costal cartilage, 24:29858 (UCD-472-116, pp 45-9)
  - Strontium-90/calcium ratio and calcium and phosphorus content of beagle diet, 23:12001 (UCD-472-115, pp 17-18)
- NIX, Thomas E. Jr. Epidermal irregular dense body, 21:8945
- NIX, W. D. Restricted energy loss criterion for registration of charged particles in plastics, 23:11788
- NIX, William D. Prog. rpt. on structure dependence of viscous deformation in metals and alloys, 6/66—3/67, 21:24781 (SU-326-P-17-1)
  - Prog. rpt. on structure dependence of high temperature deformation of metals, 3/1/68—3/1/69, 23:38984 (SU-326-P-17-36)
  - Prog. rpt. on structure dependence of high temperature deformation of metals, 3/69—3/70, 25:11434 (SU-326-P-17-X-1)
  - Young's modulus of polycrystalline Ni—W alloys, 23:10199
- NIXDORF, J. Production of dense bodies from carbides, borides, nitrides, silicides, oxides, and cermets, 23:22643
- NIXON, D. R. Extrapolation of Hallam and Fermi sodium pumps to the FFTF primary pump reference design requirements, 24:11271 (WARD-3762-5)
- NIXON, Daniel D. Therapy of lymphoma, 24:34727
- NIXON, Eugene R. Matrix-isolation study of the hydrogen cyanide dimer, 22:21079
  - Matrix-isolation study of the water dimer in solid nitrogen, 24:29298
- NIXON, G. S. Estimation of Sb in human enamel by activation analysis, 23:47406
  - Trace elements in human tooth enamel, 23:4563
- NIXON, L. S. Experiment in long distance laser communication, 21:28130 (UCID-5066)
- NIXON, R. A. Hanford Salt Cycle Process. I. Plutonium chemistry, 21:30499 (HW-SA-3622)
- NIXON, R. B. Sixteen-rod heat flux investigation, steam—water, 24:19148
- NIXON, T. B. Prog. rpt. on Bulk Shielding Facility, 4—6/69, 24:2037 (ORNL-TM-2698)
  - Prog. rpt. on bulk shielding facility, 10—12/69, 24:24884 (ORNL-TM-2914)
  - Prog. rpt. on bulk shielding facility, 1—3/70, 24:36068 (ORNL-TM-3043)
  - Prog. rpt. on bulk shielding, 7—9/69, 24:7171 (ORNL-TM-2790)
- NIXON, Wilbert Combustion preparation of tritiated biological samples for scintillation analysis, 24:4234
- NIYAKII, S. F. Device for the mass analysis of charged products of nuclear reactions, 23:38366
  - Multidimensional analysis of nuclear reaction products by means of one detector, 25:23809

NIYAZGULOV, S. A. Lower bounds for scattering parameters, 25:33851 (JINR-P4-5660)
NIYAZOV, Kh. R. Radiation sorption of oxygen on cadmium sulfide, 23:4693
NIYAZOVA, E. N. Cherenkov radiation of Dirac monopole, 24:3487
NIYAZOVA, O. R. Low-temperature lithium drift in silicon, 25:11973
  Radiation-accelerated diffusion of gold in silicon, 25:14420
  Radiation-induced changes in the coherent emission from CdS crystals, 25:7470
  Radiation-induced defects in solids and liquids, 22:20095
  Radiation-stimulated diffusion in cadmium sulfide, 21:37556
  Radioinduced processes in solids, 24:39726
  Subthreshold irradiation effects in silicon epitaxial films, 25:1268
NIZAM, Jafar Effect of cosmic rays on plants, 24:25608
NIZAN, A. I. Proposal for the reduction of hysteresis in amplitude discriminators, 21:24261
NIZEGORODCEW, A. Determination of some kinematic flow characteristics of water/sand stowing mixture by means of radiometric measuring methods, 25:23737 (INP-717)
NIZEL, S. Neutron-diffraction investigation of hematite in magnetic field to 120 kOe on pulsed fast reactor, 24:3458 (JINR-P14-4548)
NIZHEGORODTSEV, V. V. Injector of continuous beams of hydrogen ions with current of 0.5A and 115 keV energy and helium with 0.15A and 75 keV energy, 22:32391
  Ion gun 650 mA, 22:32386
NIZHNIK, G. V. Comparison of the effectiveness of a single and fractionated irradiation of spermatozoids on prenatal death in rabbits, 25:26954
  Influence of different radiation dose rates on the frequency of dominant lethals in mature sex mammalian cells, 22:17022
  Protection of spermatozoa of rabbits against genetic damage caused by irradiation in vitro, 22:19376
NIZHNIKOV, A. I. Cesium-137 in lichen-reindeer man in the extreme north of the USSR, 1962—68, 25:11037 (NP-18381)
  Cesium-137 in the lichen-reindeer-man chain in USSR, 25:39852 (AEC-tr-7232, pp 27-44)
  Lead-210 and ^{210}Po in Arctic regions of northeast, 24:12032 (AEC-tr-7128, pp 180-93)
  Radiation-hygienic conditions in the Far North, 1959—65, 23:14150 (AEC-tr-7000)
NIZIN, P. S. Moessbauer effect in the segregating iron—beryllium alloy, 25:56378
NIZIOL, B. Apparatus for measurement of ion concentration in the air, 25:54364 (INP-748)
  Nuclear interactions of very-high energy with large energy transfer into neutral pions, 22:22307
NIZKOVOLOS, V. B. Technique of stereotaxic proton irradiation of the hypophysis and other cerebral regions, 24:6094
NIZZA, P. Autografts of bone marrow in swine given lethal doses of radiation, 23:10029
  Chromosomal dosimetry on swine lymphocytes, 25:13417
  Excretion of radioactive iodine in the milk of ruminants, 25:49081
  Hematological data for the pig utilisable in radiobiology, 23:6360
  Ionizing radiation on enterochromaffin cells of rat, guinea pig, and swine GI tract, 22:49539
NIZZA, Pierre Metabolism of ingested ^{131}I in adult sheep during lactation, 21:26329 (CEA-R-3107)
  Physiological data on swine for use in radiobiology: plasma and blood volumes, 25:4411 (CEA-R-4031)
NNADI, John C. Evidence for n/subC/ $\rightarrow$ π^* transition in N-malonic esters of heterocyclic compounds, 24:16372 (NYO-2798-48)
NNAKANO, Yoshiei Asymmetrical probe methods for measurements in streaming plasma, 22:22141
NOACH, E. L. Distribution of radioactive iodide in recently thyroidectomized rats, 23:29340
  Effect of testosterone propionate on renal excretion of ^{131}I in rat, 23:35608
NOACK, D. Experimental results suggesting an allosteric nature of the lambda-phage repressor, 25:37914
  Hit-theory model for radioinduction of prophage in lysogenic microorganisms, 21:18185
  Induction of E. coli K 12, 24:2833
  Induction of the prophage of E. coli K 12 (lambda) by uv-irradiation at different states of cultivation, 21:18194
  Interpretation of uv-induction curves of lysogenic bacteria in terms of the control characteristic of the lambda repressor, 25:37913
  Radiation-induction of the prophage of E. coli K 12 (lambda) under different metabolic conditions, 21:14778
NOACK, Dieter Radiation induction of prophage of Escherichia coli 3310 (lambda) in relation to culture and radiation conditions, 22:40974
NOACK, F. Definition of relaxation and correlation time in nuclear magnetic resonance experiments, 22:17748
  Measurement of short nuclear magnetic relaxation times, 24:42839
NOACK, G. Applied magnetohydrodynamics. III, 22:31673 (JUL-510-TP)
  Applied magnetohydrodynamics. No. 4, 23:36551 (JUL-580-TP)
  Applied magnetohydrodynamics. V, 25:24939 (JUL-689-TP)
NOACK, Joachim Dynamic behavior of Lingen station, 23:19458
NOACK, K. Cobalt-59 nuclear magnetic resonance of organo-Co compounds, 21:21935
NOAILLY, J. Options for 250 MWe ORGEL prototype plant orientation study, 23:33026 (EUR-4209)
  ORGEL dynamics, 23:33035 (EUR-4254)
  Reactivity control mechanisms of a 250 MWe ORGEL reactor, 22:53272 (EUR-4042)
  Thorium and ORGEL concept, 22:24937 (CONF-660524-, pp 119-28)
NOAKES, J. C. Survey of control rod drive mechanisms for application to FFTF, 23:28550 (BNWL-973)
NOAKES, J. E. Anomalies in ^{230}Th/^{232}Th activity ratio in Mississippi River sediments, 21:24109
NOAKES, John Recent improvements in benzene chemistry for radiocarbon dating, 21:32157
NOAKES, John E. Undersea mineral analysis with ^{252}Cf, 25:48468 (CONF-710402-(Vol.3), pp III.7-19)
NOAKES, M. L. Manufacture of M.T.R. thermocouple fuel plates, 21:8033 (AERE-M-1040)
NOAMAN, M. Effect of gamma irradiation and radioprotectors on AP and ATPase, 24:5995
  Effects of cysteine and 4-amino-1-naphthol on solutions of lysosomal enzymes exposed radiation, 23:24512
NOAMAN, Mohamed Ahmed-Attia Effect of radiation and radioprotectors on lysosomal and other enzymes, 22:10738
NOBAR, Youssef Motavalledi Delayed electric dipolar transition in ^{181}Ta, 21:27601
NOBB, S. M. Second sound in ^{3}He—^{4}He mixtures near the lambda point, 24:37405
NOBE, Ken Electrochemical behavior of molybdenum, 23:20511
  Polarization behavior of niobium in NaOH, 23:13715
NOBECHI, Tokuro CET-1 in radiotherapy of malignant tumors, 24:34419
NOBEL, L. Heat transfer coefficient as function of steam quality for high-pressure once through flow boiling, with determination of transition points between regions of particular heat transfer, 25:13149 (EUR-4561)
NOBEL, P. S. Barium accumulation in spinach chloroplasts, 21:22263
NOBEL, Park S. Localization of light-induced strontium accumulation in spinach chloroplasts, 21:12760
NOBES, M. Producing Li metal targets, 23:44760
NOBES, M. J. Equilibrium topography of sputtered amorphous solids. II, 25:25223
NOBIKOV, Yu. V. Labelled atoms in hygiene studies, 24:4542
NOBILI, A. Fuel microstructure variation as a consequence of the first irradiation period and approach-to-power, 23:4472
  Fuel microstructure variation as a consequence of the first irradiation periods and approach-to-power, 25:32845 (RT/ING-(70)20)
  Fuel microstructure variations as a consequence of the first irradiation period and of the ways of approach-to-power, 25:52485
  In-pile fuel studies for design purposes, 23:4251
  In-pile fuel studies for design purposes, 24:4175
  Irradiation experiments on Cyranum capsules for study of thermal behavior of fuel rods, 25:22204 (RT/ING-(70)15)
  Short-time irradiation experiment in Studsvik R-2 Reactor, 24:47907 (RT/ING-(70)6)
NOBILI, L. Comparison of theoretical and observed evolutionary paths in red giant region of H. R. diagram, 22:24006
  Mass loss from 2/sub sun mass/ rotating pre-main-sequence stars, 25:24716
NOBLE, B. Formation of stacking faults in magnesium—thorium alloys, 25:35484
NOBLE, C. MACS M: program for computing the crystal dynamical matrix, phonon dispersion relations, and structure factors for neutron inelastic scattering, 22:1294 (IN-1125)
  Mathematical techniques for vibration analysis of reactor systems, 25:31591 (CONF-710302-7)
  STRAP: computer code for static and dynamics structural analysis and studies made using the code, 24:36049 (IN-1362)
NOBLE, C. M. Effect of water on the radiolysis of liquid acetone, 23:19792
  Radiation shielding for high energy muons: the case of a cylindrically symmetrical shield and no magnetic fields, 22:50502
  Radiation shielding for high-energy muons: the case of a cylindrically symmetrical shield and no magnetic fields, 22:29787 (UCRL-18117)
NOBLE, Carl Marcus Jr. Pion—pion interactions from π^-p collisions at 3 and 4 GeV/c, 21:33624
NOBLE, D. C. Geology of northern Nellis Air Force Base bombing and gunnery range, Nevada, 23:15966 (NTS-64)
  Loss of uranium from crystallized silicic volcanic rocks, 23:49940
NOBLE, F. W. Orientation dependence of yield in body-centered cubic metals, 21:24770
NOBLE, Gordon Prog. rpt. on magnetic properties of insulators, final, 2/61—7/66, 21:23246 (IITRI-578-P-9-21)
NOBLE, Gordon A. Electron paramagnetic resonance in irradiated Ag_2CO_3, 23:5492
NOBLE, J. V. Cluster model vertex functions for ^{16}O, 25:7807 (NYO-2171-327)
  Cluster-model vertex functions for ^{16}O: monopole form factors, 24:40716
  Cluster-model vertex functions for ^{16}O, 25:45937
  Diffraction model of first- and second-order direct nuclear reactions, 24:24637
  Direct nuclear reactions leading to unbound residual nuclei, 24:38362
  Do three α-particles make a ^{12}C, 24:30716
  Efimov's effect, 25:39086
  Energy dependence of direct isospin-violating (d,α) reactions, 25:28459
  Energy dependence of the isospin-nonconserving reactions ^{12}C(d,α)^{10}B(0^+,T = 1) and ^{16}O(d,α)^{14}N(0^+,T = 1), 23:17079
  Equivalence of ^{3}He—t and d—α cluster description of ^{6}Li, 25:25642 (NYO-2171-336)
  Equivalence of ^{3}He-t and d-α cluster description of ^{6}Li, 25:43825
  Final-state interaction effects in weak three-body decays, 24:8611
  Final-state interaction enhancements in weak three-body decays, 23:8787
  Giant monopole state, 25:36845
  Giant monopole state: isospin mixing in nuclear ground states, 25:10061 (NYO-2171-330)
  Influence of breakup channels in elastic scattering of composite particles, 22:42116
  Isotopic-spin mixing in direct and compound-nuclear reactions, 22:50667
  Non-Faddeev equation for three-body bound states, without spurious solutions, 21:44460
  One-pole approximation in the elastic scattering of composite particles, 21:40372
  Possibility of a large T = 2 component in the ground state of ^{24}Mg, 22:48484
  Progenitor sum-rules in nuclear physics, 25:12637 (NYO-2171-328)
  Semidirect isospin mixing in deuteron-induced reactions, 21:46809
  Shapes of angular distributions of (^{3}He,t) and (p,n) transitions to 0^+ anti-analog states, 25:1719 (NYO-2171-321)
  Shapes of angular distributions of (^{3}He,t) and (p,n) transitions to 0^+ antianalog states, 25:12648
  Three-body problem with charged particles, 21:44788
NOBLE, Jack E. Implantable radioisotope-fueled stirling engine, 25:54910
NOBLE, John H. Disposal of radioactive impurities, 22:18909
  Subatmospheric containment, 21:38495
  Subatmospheric containment, 22:18596
  Subatmospheric containment, 22:32864
NOBLE, Julian V. Integral equations for deuteron-induced nuclear reactions, 21:31877
NOBLE, Julian Victor Application of multiparticle collision theory to the study of direct nuclear reactions, 21:46834
NOBLE, L. Recent developments in SEFOR experimental program, 21:35563 (ANL-7320, pp 746-57)
  Recent developments in SEFOR experimental program, 22:30153 (KFK-649)
  Results of SEFOR experiments at zero power, 24:33266
NOBLE, L. D. Final specifications for SEFOR experimental program, 22:35595 (GEAP-5576)
  Results of sefor zero power experiments, 24:29049 (GEAP-13588)
  SEFOR Core I Doppler measurements at power, 25:41565
  SEFOR Core I test results to 20 MW, 25:46291 (GEAP-13702)
  SEFOR experiments, 25:6058
  SEFOR minimum critical core, 25:54064
  SEFOR minimum critical prediction and results, 24:7092
NOBLE, Larry Dean A nonlinear analysis of reactors with arbitrary linear feedback, 21:19430
NOBLE, Paul Jr. Structure of nitroform in various solvents, 25:18391
NOBLE, R. L. Canadian cancer Conference, Honey Harbour, Ont., 6/66. VII, 22:43425
NOBLE, R. P. Reliable parallel-gap soldering for silicon integrated circuit flat packs, 21:44992 (SCL-DR-67-75)
NOBLE, Wendell P. Jr. Radiation-resistant MOS devices, 23:17890
NOBLER, Myron P. Abscopal effect in malignant lymphoma, 24:4692
  Curative radiotherapy in the malignant lymphomas, 23:886
NOBLES, R. A. Empirical response functions for a neutron multiplicity monitor, 24:6389
  Neutron multiplicity monitor observations during 1965, 21:37200
  Prog. rpt. on neutron multiplicity monitor operations at sea level and 3800 meter elevation, final, 6/22/65—6/22/66, 22:308 (N-67-19359)
  Threshold rigidity change during the magnetic storm of March 23—24, 1969, 24:51469
  White mountain cosmic ray neutron multiplicity monitor, 23:21963
NOBLET, A. Improvement of the yield of a high frequency ion source and its pulsation, 21:27485
NOBREGA, Fred T. Thyroid cancer in Olmsted County 1935—65, 24:895
NOBUKI, Minoru Fabrication of Nb—Zr superconducting wires, 24:23445
  Influence of high hydrostatic pressure on the flow stress of pure iron and molybdenum polycrystals, 25:29833
  Influence of high hydrostatic pressure on the flow stress of zinc and zirconium polycrystals, 25:35435
NOBUYAMA, Masayuki Regge pole model of the reaction $\pi N \rightarrow \omega N$, 23:39737
NOC, B. Physical tests on the Chinon reactors, 21:27766
NOC, Bernard Nuclear fuel cycle management, 25:8082
  Studies of physical characteristics and utilization of fuel used in EDF graphite gas natural uranium reactors, 22:24982
NOCENTINI, A. Collisional drift instability in a Q-machine, 25:3119
  Collisionless drift instabilities in a bounded plasma, 24:35453
  Drift waves in a slightly non-neutral plasma, 24:42738
  Influence of a radial electric field on stability of a magnetically confined plasma, 24:42711
  Kinetic theory of the diochotron instability, 23:10685
NOCENTINI, Aldo Diocotron instability in presence of a cold plasma, 24:3398
  Low-frequency, electrostatic oscillations of tenuous, hot E layer, 23:39516
  Nyquist diagrams for nonuniform magnetoplasma, 23:12915
NOCERA, F. Authorization of nuclear installations, 25:41979
  Use of radioisotopes in industrial plants, 24:29461

  - Use of radioisotopes in industrial plants: observations on authorizations, 25:42013
- NOCERA, Fabrizio Procedure for licensing nuclear power plants, 23:52285
- NOCHIZUKI, Tsunekazu Uranium in Japanese coal-bearing beds, 21:14339
- NOCI, G. High-resolution solar ultraviolet spectrum between 200 and 220 nm, 25:49646
  - Modern problems of solar radioastronomy, 23:20633
- NOCI, G. G. Radio observation of solar eclipse of May 20, 1966, 23:34224
- NOCI, Giancarlo Radio model of the transition layer in solar active regions, 25:35720
- NOCILLA, Silvio Basic concepts in the surface interaction of free molecular flows or molecular beams, 21:43756
  - Behavior of molecular beam scattered by solid surface, 22:19764
  - Superficial interaction between molecular beams and solid bodies, 22:24031
- NODA, F. T. Fast neutron energy measurements, 22:20450 (COO-7-0456)
  - Neutron energy determinations, 23:49346
- NODA, Hiroji 13 MeV linear accelerator at Kurume University, 25:43753
  - Measurements of dose distributions of high energy electron beams with LiF thermoluminescent dosimeter, 23:24473
  - Neutrons induced by teletherapy betatron, 23:43828
  - Skin doses from a ^{60}Co teletherapy unit, 23:16301
- NODA, Hujio Cluster model and nonleptonic hyperon decays, 25:9739
  - Exotic exchange processes and urbaryon rearrangement diagrams, 25:56479
  - F/sub K//F/sub π/ and broken SU(3) x SU(3) chiral dynamics, 24:3687
  - Selection rule in the weak interaction, 25:17460
  - Urbaryon rearrangement diagram and nonleptonic hyperon decays, 25:56470
- NODA, K. Effects of ouabain and no external K ions on active transport of Na ions from the frog muscle, 23:26653
- NODA, Masato Electron traps in irradiated water—ethylene glycol glass at 4 and 77°K, 24:41354
  - Electronic spectra of trapped electrons in organic glasses at 4°K, 25:29156
  - Trace elements in DNase I by activation analysis, 23:24114 (NSJ-tr-141)
- NODA, Matu-Tarow $^1S_0$ phase shift of nucleon—nucleon scattering, 23:39751
  - 3-meson-exchange model of nucleon—nucleon scattering, 24:40425
  - Effective-range theory based on N—S—B equation, 23:13112
  - Method for solving the Nambu—Salpeter—Bethe equation, 21:27384
  - Nucleon—nucleon P and D scattering phase shifts, 24:1622
  - Relativistic $^3P_0$ bound state in the PS(ps) coupling, 24:8676
- NODA, Minoru Effects of evaporated dielectrics on superconducting thin films, 24:30291
- NODA, S. ESR of irradiated single crystal of difluoromalonamide, 24:19020
  - Trapped electrons in alkylamine glasses at 77°K, 25:31983
- NODA, Shoji ESR and optical studies of acyl radicals produced from acyl chlorides by dissociative electron attachment in γ-irradiated organic glasses at 77°K, 23:263
  - Radicals produced in γ-irradiated allyl alcohol glass, 25:29162
- NODA, Syozi Reaction intermediates produced from phenyl halides by dissociative electron attachment in γ-irradiated organic glasses, 23:15901
- NODA, T. Hitachi Nuclear Codes Control System, 23:40437 (CONF-690401-, pp 313-23)
  - Observation of anomalous sound velocity in weakly ionized plasma, 25:52879
- NODA, Takashi Implicit method for solving the lumped parameter reactor-kinetics equations by repeated extrapolation, 24:47961
  - Wielandt's method applied to the time independent neutron diffusion difference equations, 21:42529
- NODA, Tamotsu Mass spectrometer for detecting single focussing and double focussing mass spectra, 24:514
- NODA, Tokiti Heat treatment of carbon under high pressure, 24:13691 (ORNL-tr-2262)
  - Pressure effect on the formation of compounds in the Y_2O_3—Al_2O_3 system, 21:1334 (LA-tr-66-64)
- NODA, Tomohiko Separation and detection of ^{181}W and ^{185}W from radioactive fallout, 25:2110
  - Tungsten-185 and -181 in atmospheric precipitations at Niigata, 25:6274
- NODA, Y. Effects of last dynode capacity in space charge saturation type pulse shape discriminator, 21:8652
- NODA, Yasutoshi Reactions between 8-aminoquinoline and metal ions, 24:16539
- NODA, Yutaka Whole body activation autoradiography, 24:31778
  - Whole-body activation autoradiography, 25:13590
- NODEAN, Walter Charles Response of a coupled-core reactor to a localized oscillation of the absorption cross section, 25:6148
- NODEN, D. F. Basic radiography: 11-dense metal castings, 25:350
- NODEN, J. D. Growth of austenitic stainless steels oxidised in carbon and oxygen bearing gases, 22:15148
  - Primary creep of Magnox AL80 from 450°C to 620°C, 22:23799
- NODEN, Joseph Desmond Fuel elements for nuclear reactors, 22:8718
- NODERER, L. C. Integral transport method for burnup in heterogeneous assemblies, 21:38478
  - Liquid metal fast breeder reactor, 21:8011
- NODIA, M. Z. Cyclic fluctuations of secular geomagnetic field variations at Tbilisi, 21:46239
- NODINE, John H. Radioactive xenon tissue clearance: standardization for measurement of peripheral blood flow, 24:34463
- NODVIK, John S. Generalized Schroedinger representations. III, 24:24204
- NODVIK, R. J. Applications of modified ENDF/B Pu cross sections to mixed-oxide critical experiments, 23:37750
  - Determination of core burnup, isotopic inventory, and conversion ratio from selective sampling of spent reactor fuel, 21:34119
  - Evaluation of fuel accountability methods applied to Yankee fuel, 23:37422
  - Evaluation of fuel accountability methods applied to Yankee fuel, 24:417 (WCAP-3896-1)
  - Evaluation of fuel-depletion and Pu buildup in Yankee, 22:22771
  - Evaluation of mass spectrometric and radiochemical analyses of Yankee core I spent fuel, 24:25007 (WCAP-6086)
  - Irradiation of mixed-oxide fuel in the Saxton PWR core, 25:41282
  - Isotopic concentrations in Yankee Core I, 23:37421
  - Saxton Core II fuel performance evaluation. Part II. Evaluation of mass spectrometric and radiochemical analyses of irradiated Saxton plutonium fuel, 25:18359 (WCAP-3385-56(Pt.2))
- NODWELL, R. Enhanced scattering of laser light by optical mixing in a plasma, 25:45476
- NODWELL, R. A. Computed profiles for electromagnetic radiation scattered from a plasma, 21:5255
  - Electron-density profiles from laser scattering, 22:29468
  - Enhanced plasma oscillations observed with scattered laser light, 23:32350
- NOE Residual atmosphere above ionic pumps and its evolution after stopping the pump, 22:16851
- NOE, C. Effect of the introduction of nuclear power plants on the operation and planning of an electricity supply system, 25:34256
- NOE, John W. High-spin states in ^{24}Mg, 25:45952
- NOE, M. Self-radiation effect on lattice parameter of $^{244}CmO_2$, 25:35589
  - Some recent observations on curium sesquioxide, 24:14986
- NOE, Pierre Mechanism for positioning samples, 25:1702
  - Trials carried out on corrosive (fluorinated) atmosphere vacuum gages, 21:6326 (CEA-R-3055)
- NOEH, E. Roentgen-irradiated bone chip as transplant, 24:7765
- NOEKKENTVED, Kirsten Effect of diagnostic radiation upon human fetus, 23:38878
- NOEL, Alban Thorium microdetermination, 25:37276
- NOEL, Bruce Downhole compass system, 22:7962 (SC-DR-67-754)
- NOEL, G. Measurement of the thermal modulus of rigidity on three different concretes under thermal and mechanical stresses, 24:44827 (CEA-CONF-1371)
  - New prestressing procedures applicable to reactor pressure vessels, 24:16319 (EUR-4280(Vol.1), pp 157-86)
  - Thermal rigidity modulus of heat-insulating concrete, 24:12463 (CEA-CONF-1466)
- NOEL, Georges Measurements on prestressing of reactor vessels, 24:16320 (EUR-4280(Vol.1), pp 187-222)
- NOEL, Henri Mixed uranium and transition element sulfides, 25:29996
- NOEL, J. F. In vitro radioprotection of growing mouse bones, 25:24209
- NOEL, J. L. Limited flux jumps in dirty Type-II superconductors, 25:38308
- NOEL, J. P. Development of ionization chambers designed to measure heating of nuclear origin, 23:14044 (CEA-CONF-1068)
- NOEL, J.-P. Measurement of sharing of dissipation energy by a primary in silicon, 22:5100
- NOEL, Janet F. In vitro radioprotection by dimethyl sulphoxide, glycerol, and anoxia, 25:10983
- NOEL, Jean-Paul Direct measurement of the charge of a device, 24:14369
  - Gamma emission from Pu, 22:51042 (CEA-R-3547)
  - Nuclear heating measurements using ionization chambers, 25:37577 (CEA-R-4195)
  - Power dissipated in graphite and CO_2 of a graphite reactor cell, 24:43855 (CEA-R-3985)
- NOEL, M. T. Radiation-induced crosslinking of elastomers, 24:13923
  - Radioreticulation of natural and synthetic elastomers in emulsions or dispersions, 24:20788 (CEA-CONF-1417)
- NOEL, Marie-Therese Treatment of elastomers, 25:54619
- NOEL, R. Heat exchange unit for a nuclear reactor, 25:10204
  - Perspectives for heavy water reactors in the development of breeder—converter nuclear power plants, 24:24823
- NOEL, Robert Nuclear reactor element and its use in a reactor, 25:37148
  - Nuclear reactor unitary construction element, 24:35997
- NOELDEKE, G. K. Electron scattering studies of calcium and titanium isotopes, 22:53152
- NOELL, Werner K. Retinal damage by light in rats, 21:14736
- NOELLE, P. Multipole analysis of pi-zero and pi-plus photoproduction between threshold and 500 MeV, 25:19957
  - Multipole analysis of π^- photoproduction in the energy region between 180 MeV and 420 MeV, 25:45705
- NOELS, J. Fabrication and properties of dispersion-strengthened ferritic steels, 24:27747
- NOELS, T. Apparatus to measure the thermal conductivity of graphite near room temperature, 22:30888 (EUR-3909)
- NOELS-GROETSCH, A. Effects of nonconstant opacity on the vibrational stability of pure helium stars, 21:39732
  - Thermal stability of pure carbon stars, 22:31587
- NOELS-GROETSCH, Arlette Vibrational stability of pure carbon stars, 21:20663
- NOELTING, J. Measurement of small self-diffusion coefficients of anions in silver chloride by the surface method, 21:4532
- NOER, R. J. Superconductivity of thorium and uranium, 21:7148
- NOERDINGER, Peter D. Restoration of the original synchrotron radiation formula, 23:3621 (N-68-28824)
- NOERDLINGER, P. D. Can the cosmological constant stabilise galaxy clusters, 25:11642
  - Hubble constant and x rays from galaxy clusters, 25:52586
  - Jets in quasi-stellar objects, 22:43689
- NOERDLINGER, Peter D. Analytic solutions to two albedo problems, 24:30239
  - Anisotropic compression of a relativistic plasma, 22:3078
  - Coherent emission from expanding supernova shells, 25:30068
  - Dissolution of early clusters of galaxies by strong quasi-stellar sources, 24:19678
  - Effect of bulk motion on synchrotron radiation rate, 23:16555 (N-68-33525)
  - Effect of cosmological expansion on self-gravitating ensembles of particles, 25:45279
  - Effect of cosmological expansion on self-gravitating ensembles of particles, 25:49686 (AD-715348)
  - Expanding envelopes of the quasi-stellar objects PHL 5200 and RS 23, 24:39783
  - Geodesics of Robertson—Walker universes, 24:12618
  - Growth rate of the relativistic fire-hose instability, 23:48760
  - Improved model for cosmic ray propagation, 22:47840 (N-68-23752)
  - Improved model for cosmic-ray propagation, 22:34309
  - Low-frequency intergalactic radio absorption theory and an experimental upper limit, 23:44140
  - Models for stabilization of clusters of galaxies by hot gas, 25:16722
  - Orientation of the magnetic field in M31, 24:28046
  - Persistence of the firehose instability in highly relativistic plasmas, 22:22192
  - Physical consequences of Fock's conformal hypothesis, 22:3528
  - Pressure anisotropy as a result of magnetic bremsstrahlung, 22:11445
  - Quasi-stellar objects and the density of intergalactic hydrogen, 23:36456
  - Relativistic acceleration of charged particles by an electromagnetic pulse, 25:27715
  - Sources of radiation with relativistic streaming, 24:19613
  - Spectral shifts in quasi-stellar objects, 21:3622
  - Test for expansion of clusters of galaxies, 25:9133
  - Theoretical necessity of a positive value for Brans—Dicke coupling constant ω, 22:37199
  - Transverse wave instabilities in anisotropic hydrogen plasmas, 21:7295
  - Universal cosmic rays and inhomogeneity postulate, 23:36547
- NOERENBERG, W. Model for calculating the angular momentum distribution of fission fragments, 24:3956
  - Proton induced fission of ^{226}Ra, 24:13351
  - Scission barrier for heavy fissioning nuclei, 24:35903
  - Theory of mass yields, kinetic energies, and fragment excitation energies, 24:30897
  - Theory of mean primary charge distribution in low energy fission of even-even nuclei, 21:2802
- NOERGAARD, P. Inelastic scattering of deuterons and α-particles on ^{191}Ir and ^{193}Ir, 25:31342
- NOESEN, S. J. Thermal fatigue of die-casting dies, 22:6999
- NOESKE, Klaus Treatment of lethal radiation injury with nicotinic acid derivatives. II, 21:10937
- NOETHEL, H. Radiation effects on longevity and natural aging, 24:32164
  - Radiosensitive and radioresistant populations of Drosophila melanogaster. I, 25:13555
- NOETHEL, Horst Influence of x radiation on fitness of Drosophila melanogaster. II, 22:23618
  - Influence of x radiation on vitality signs of Drosophila melanogaster. IV, 22:33967
- NOETZLIN, Jacques Isotopic composition of magnesium extracted from rocks and lavas of very different origins, 21:3196
- NOF, A. Energy levels of ^{139}La, 24:47604
  - Energy levels of ^{139}La, 25:12585
  - M2 radiative widths of nuclear levels at about 7 MeV excitation, 25:50678
  - Study of the energy levels of ^{203}Tl using (γ,γ') reaction, 25:5713
  - Use of the (γ,γ') reaction for studying ^{141}Pr levels, 23:31022
- NOFAL, E. E. Instruments for measurement of the spectral lines profile and shift, 25:36091 (UARAEE-95)
- NOFAL, Mohamed Magd Eldin Radiobiological effects of radioiodine therapy; chromosomal changes, 22:49289
- NOFAL, Mohammed M. Treatment of hyperthyroidism with Na iodide-^{131}I: a 16-year experience, 21:22614
  - Treatment of thyroid cancer. Death rates after surgery and after surgery followed by sodium iodide ^{131}I, 25:11234
- NOFFKE, H. Radiation effects on silicon avalanche (IMPATT) diodes, 23:17866
- NOFFKE, H. E. EPR study of fast-neutron radiation damage in silicon, 25:56324
- NOFRE, C. Comparative radiosensitivity of thymine and (5-halo-uracils), 23:49822
  - Synergetic effects of some substances with a radioprotective activity, 22:17032
- NOFRE, Cl. Effects of Na hypochlorite, ozone, and ionizing radiations on E. coli, 22:51389
- NOFRE, Claude Action of chemical species generated from water radiolysis on carbon—carbon double bonds, 21:34299
- NOGA, M. Algebraic realization of Weinberg's superconvergence conditions, 24:37850

- Algebraic structure of Weinberg's first superconvergence condition, 24:13093
- Baryons in Capps bootstrap model, 23:21073
- Bootstrap equations and Cabibbo theory, 24:52041
- Bootstrap theory of static pion—baryon scattering, connections with strong-coupling theory, 22:52986
- Cross-section sum rules in the static model, 21:42368
- Current algebra with a mass condition, 23:46773
- Dynamical group for relativistic quantum mechanics, 24:40433
- Dynamical model leading to linearly rising Regge trajectories, 23:36979
- Electromagnetic form factors in the bootstrap theory, 21:25266
- Lorentz-invariant algebraization of pion—hadron vertex functions, 25:1491
- Mass spectrum of the baryon excited states in the static model, 21:23336
- Series of hyperon resonances in the static bootstrap model, 21:29543
- Structure of the nucleon in bootstrap theory, 22:1407
- Unified static bootstrap model for even- and odd-parity baryon excited states, 23:23475

- NOGA, M. T. Generalized angular momentum crossing relation, 24:13101
- NOGA, Milan Algebraic structure of pion—hadron transition amplitudes and hadron mass spectra, 25:43635
- NOGA, Milan T. Static bootstrap models and strong coupling theory, 25:17502
- NOGA, V. I. Cross sections of reactions initiated by photons and electrons up to 260 MeV, 23:21322
  - Disintegration of heavy nuclei by electrons and positrons, 24:24561
  - Photonuclear reactions of Al, Si, P, S, Cl, K, and Ca with production of ^{24}Na, 23:40021
  - Yields from photonuclear reactions ^{12}C → ^{11}C, ^{27}Al → ^{24}Na, ^{28}Si → ^{24}Na for high energy photons, 22:3625
- NOGAITO, T. Core temperature analyses for loss-of-coolant accidents of light water reactor, 25:20762 (JAERI-Memo-4194)
- NOGAITO, Takeshi Electron spin resonance of gamma-ray irradiated $Sr(NO_3)_2$, $Ba(NO_3)_2$, and $Pb(NO_3)_2$, 21:42986
  - ESR and ENDOR of gamma-irradiated $AgNO_3$, 21:33520
  - Newly constructed hot caves, 24:31570
- NOGAMI, Hiroshi Micromelias in mouse fetus caused by x radiation, hypoxia, trypan blue injection, or hypervitaminosis-A mother animals during pregnancy, 22:38478
- NOGAMI, Y. Analysis of the Λ—N interaction, 21:25318
  - Binding of Σ^-nn, 21:19017
  - Charge dependent effects of the proton—pion exchange process in the N—N interaction, 23:5639
  - Coulomb effect on proton—proton scattering parameters, 25:12680
  - Effect of ΛN tensor force on Λ-particle binding in nuclear matter, 24:49543
  - Effect of ΛΣ conversion on Λ-particle binding in nuclear matter, 24:52121
  - Effect of three-body ΛNN long-range potential in nuclear matter, 22:3459
  - Effects of three-body ΛNN forces in light hypernuclei, 21:40239
  - Hyperon—nucleon interaction, 25:1567
  - Meson mixing and charge asymmetry of N—N interaction, 21:37865
  - Nuclear forces in many-body systems, 21:46803
  - Nucleon—nucleon correlation and two-pion-exchange three-body force in n force in nuclear matter, 25:36831
  - Relation between the binding energy and scattering phase shift, 25:20022
  - Single-particle-energy spectrum of a Λ particle in nuclear matter, 25:20023
  - Superconvergence relations and possible new resonances pion—baryon scattering, 23:15117
  - Three-body ΛNN forces, 24:47461 (CONF-690557-(Vol.1), pp 244-75)
  - Three-nucleon force, 21:38383
  - Two-pion-exchange three-body force in nuclear matter, 25:7926
  - Well depth of Λ in nuclear matter, 23:8815
- NOGGLE, R. C. Experiment to detect pulsed γ rays from Crab Nebula, 25:19361
- NOGGLE, T. S. Charge states of 60-MeV iodine ions channeled in Au, 25:5164
  - Damage rates associated with heavy-ion irradiation of Au, 24:8522
  - Differential-stopping-power functions of fast ions channeled in Au, 23:27689
  - Radiation damage and collision spectra associated with channeling of iodine ions in gold, 22:31937 (BNL-50083, pp 402-9)
- NOGI, Yasuyuki Determination method of time of H = O of theta pinch field with a peaking-strip, 22:39099
- NOGTEVA, V. V. True heat capacity of rare earth chalcogenides (Nd_2Te_3) at low temperatures. III, 22:27695
  - True heat capacity of rare earth elements. IV, 23:43972
- NOGUCHI, M. Angle information with a gridded ionization chamber and its applications, 25:10837
- NOGUCHI, Masaru Separation factors of adjacent rare earths, 23:49916
  - Separation factors of lanthanons at 60°C, 24:22757
- NOGUCHI, Nobuhiko Determination of S content in fuel oil by x-ray absorption of tritium bremsstrahlung, 21:4453
- NOGUCHI, Shikazo Color scintigram for detection of brain tumors, 21:45695
  - Effect of inosine on radiation damage, 23:50643
- NOGUCHI, Shun Effect of γ-ray irradiation on soaps, 21:12479
- NOGUCHI, T. Formation of superconducting Nb_3Al and Nb_3Al—Ge films, 25:38313
- NOGUCHI, Takuya Development of a heavy-current switching gap triggered with laser, 25:30575 (EUR-4593, pp 339-45)
- NOGUCHI, Tetsuo Heating curves and melting point measurements with a solar furnace, 23:46128
  - High temperature phase studies, 24:8204
  - High temperature phase studies with a solar furnace, 25:29987
  - Liquidus curve measurements in the ZrO_2—MgO system, 23:1049
  - Liquidus curve of ZrO_2—Y_2O_3 system measured by solar furnace, 25:4869
  - Phase changes in ZrO_2—TiO_2 system, 23:16543
  - Reactions in system ZrO_2—SrO, 23:27187
- NOGUCHI, Toru Influence of wall conduction on plasma conductivity in MHD-generator duct, 23:39360
  - MHD power generation with a nuclear reactor as heat source, 25:40422
- NOGUEIRA, E. D. Equilibrium distribution of actinide and lanthanide elements between molten fluoride salts and liquid bismuth solutions, 24:36362
  - Estimate of the solubility of protactinium in liquid bismuth, 24:5712
  - Reductive-extraction process for MSBR fuels, 23:35270
  - Sorption of fission product (Nb, Ru) fluorides on sodium fluoride, 23:19830 (ORNL-TM-2169)
- NOGUEIRA, Eduardo Diaz Bases of a program of investigation for the development of the reprocessing of fuels irradiated in fast reactors, 25:10672
- NOGUES, Michel Testing of gas jet pump in Pegase loop in order to obtain high He temperatures, 25:48299 (CEA-R-4143)
- NOGUTI, T. Radio-sensitization with halogenated purines and pyrimidines, 25:24205
- NOGUTI, Takehiko Radiosensitization with I compounds. III, 25:46726
  - Radiosensitization with iodine compounds. I, 24:50765
- NOHARA, Ishimatsu Radiographic examination of welded T-joint, 25:34840
- NOHARA, N. High-resolution scinticamera based on delay-line time conversion, 25:51859
  - Neutron-gamma discriminating detector for use with time-of-flight fast neutron spectrometer, 22:6630
  - Scintillation cameras based on new position arithmetics, 24:44269
- NOHARA, Norimasa Scintillation camera based on delay-line time conversion, 25:26486
- NOHARA, Takio Isotope instruments for measurement of snow densities, 24:9700
- NOHARA, Y. Radiocardiogram analysis by analog computer simulation, 23:29648
- NOHE, James D. Compositional determination of sputtered tantalum—aluminum thin films, 25:44325
- NOHEL, J. A. Integrodifferential equations of a class of nuclear reactors with delayed neutrons, 23:24001
- NOHL, H. Accumulation of /sup 99m/Tc sodium pertechnetate in human organs, 24:791
- NOIBERT, V. Identification of (H.I.,xn) reaction products from excitation functions, 22:16056 (JINR-P7-3657)
  - New isomeric state in N = 77 isotopes: /sup 137m/Nd, 24:6883 (JINR-P6-4597)
  - New isomers /sup 128m/La and /sup 130m/La, 21:5533 (JINR-P7-2966)
  - New neutron-deficient isomer of cesium, 21:23481 (JINR-P7-3185)
  - Short-lived isomer in ^{203}At, 23:44884 (JINR-P6-4494)
- NOIKURA, Takenori Clinical application of ^{198}Au in malignant oral tumors of region, 24:27628
- NOIROT, Y. Exchange degeneracy with SU(2) symmetry and absorptive corrections in hypercharge-exchange reactions, 25:3388
  - Further evidences for exchange degeneracy with SU_2 symmetry and absorptive corrections in hypercharge exchange reactions, 24:52164 (PTB-36)
  - High-energy backward meson—baryon scattering, 23:27815
  - Regge-pole analysis of backward peaks in elastic pion—proton scattering, 22:20249
- NOJIRI, Toshiaki Evaluation of quality of image in gamma radiography by optical transfer function, 24:50575
  - Fundamental aspects of gamma ray multi layer radiography, 25:349
  - Line-image intensity distribution in gamma radiography, 24:16862
  - Measurement of abrasion using radioisotopes, 23:31491
  - Measurement of spatial frequency response in γ-ray radiography, 23:21914
  - Response functions and measurement of line spread functions in γ-ray radiography, 22:49150
  - Response in radiation measuring system having RC integrating circuit, 23:29202
- NOKAY, Naime Hematological response to isologous and homologous bone marrow transplantation, 22:51474
  - Survival of frozen stored bone marrow cells, 22:31187
- NOLAN, D. J. Performance evaluation of heat exchangers for Na-cooled reactors, 23:40920 (UNC-5236)
  - Prog. rpt. on evaluation of heat exchangers for sodium-cooled reactors, 4—6/68, 22:44840 (UNC-5221)
  - Prog. rpt. on heat exchangers for Na-cooled reactors, 4—6/67, 21:35590 (UNC-5182)
  - Prog. rpt. on heat exchangers for Na-cooled heat exchangers, 7—9/67, 22:10441 (UNC-5189)
  - Prog. rpt. on heat exchangers for sodium-cooled reactors, 1—3/68, 22:32788 (UNC-5213)
  - Prog. rpt. on performance evaluation of heat exchangers for Na-cooled reactors, 1—3/67, 21:25637 (UNC-5174)
  - Prog. rpt. on performance evaluation of heat exchangers for sodium-cooled reactors, 10—12/67, 22:20823 (UNC-5200)
- NOLAN, J. Effect of alginate on the absorption and excretion of ^{203}Pb in rats, 24:14480
  - Inhibition of the absorption of dietary radiostrontium by aluminium phosphate gel and sodium alginate in the rat, 22:49245
- NOLAN, J. F. Prog. rpt. on electron collision cross sections in metal vapors, summary, 1/26/66, 21:601 (N-66-22305)
- NOLAN, James F. Radiation therapy for carcinoma of the cervix, 22:15028
- NOLAN, M. F. Beta-to-alpha transformation characteristics of some dilute uranium alloys, 21:1907 (MCW-1506)
  - Mechanical properties of dilute uranium alloys at elevated temperatures, 21:9141 (MCW-1505)
- NOLAN, P. J. Detection of radon in the atmosphere, 24:14083
  - Influence of Coulomb and image forces on combination in aerosols, 22:42875
- NOLAN, T. A. Fracture initiation in XAP-001 dispersion strengthened Al alloy, 24:21375
  - Fracture of Al—Al_2O_3 alloys, 21:32862 (ORNL-TM-1826)
  - Phosphorus trifluoride cylinder failure, 23:21595 (K-1772)
- NOLAN, T. R. Intra-arterial application of large particles of ^{90}Y for treatment of tumors, 21:32713
- NOLAN, Thomas R. Intravascular particulate radioisotope therapy, 23:50757
  - Oxygen saturation of tumor cells to increase the effect of internal radiation, 22:38416
- NOLAND, B. J. GRADPRO: a computer program for use in isopycnic density gradient centrifugation, 24:53048 (LA-4416)
- NOLAND, J. Hubert Low frequency fluctuations in earth's magnetic field, 24:37301 (AD-701937)
- NOLAND, M. Prog. rpt. on cold molecular welding in ultra-high vacuum, final, 10/8/64—12/17/65, 21:4679 (N-66-28544)
- NOLAND, Michael C. High-velocity metalworking, 21:32844 (NASA-SP-5062)
- NOLAND, R. TREAT experimental study of survival of EBR-II fuel pin in a loss-of bond incident, 23:4225
- NOLD, Max M. Exposure of sheep to millisecond versus microsecond fission radiation, 22:49472 (CONF-680410-, pp 6.1-14)
- NOLDEKE, G. K. Electron scattering studies of calcium and titanium isotopes, 23:23645 (AD-675038)
- NOLEN, J. A. Jr. Comparison of spectroscopic factors from (p,p_0) and (d,p) reactions on barium isotopes, 25:28372
  - Coulomb displacement energies of Ca—Sc isobaric pairs, 21:31753
  - Coulomb energies and nuclear radii, 24:43172
  - Coulomb energies, 24:15977
  - Level structure of ^{44}Sc, 22:26983
  - Level structure of ^{44}Sc from the ^{44}Ca(^{3}He,t) reaction, 24:24537
  - Neutron radius of ^{208}Pb, 22:35298
  - Precise Coulomb energies of isobaric pairs from (^{3}He,p) reaction, 22:26982
  - Proton scattering on the barium isotopes, 24:52625
  - Ruthenium-103, 105 states observed in the reactions ^{102} ^{104}Ru(d,p), 25:34151
  - Structure of particle-hole states in ^{138}Ba, 21:40439
  - Study of ^{48}Ca(^{3}He,p)^{50}Sc reaction, 23:25866
  - Study of the (d,p) reaction on the even-A barium isotopes 130 to 138, 24:40646
- NOLET, G. Premises for the new 2000 curie ^{137}Cs radiation unit, 22:219
- NOLIBE, D. Retention and lung clearance of plutonium oxide, 24:48384
  - Retention of inhaled Pu oxide, 25:18895
- NOLIBE, Petravy G. Pulmonary retention and disposal of plutonium oxide, 25:18891 (LF-tr-46)
- NOLL, C. B. MAR-1 FORTRAN IV program for construction from multigroup cross sections of compatible cross section data, 21:5464 (WAPD-TM-598)
  - SUMOR (MO271): FORTRAN-IV program for CDC-6600, 24:5380 (WAPD-TM-810)
  - SUMOR: FORTRAN-IV program for Philco-2000, 22:11876 (WAPD-TM-518)
- NOLL, P. Limitation of the confinement of plasma, 23:32319
  - Toroidal high β experiments in compact axisymmetric configurations, 25:38381 (CONF-710607-114)
  - Trapped reverse field configurations in a linear theta pinch experiment, 22:1181 (LA-3770, Paper A4)
- NOLLACE Availability and reliability of alternative power supply circuits for reactor instrumentation at CEA, 25:41438 (EUR-4517, pp 179-99)
- NOLLE, A. W. Nuclear spin—lattice relaxation and dynamic polarization in γ-irradiated LiF, 25:36348
- NOLLE, E. L. Induced radiation of $Y_3Al_5O_{12}$: $(Nd)^{3+}$ excited by an electron beam, 25:38575
  - Recombination radiation of pure silicon at a high excitation level, 22:46283
- NOLLER, H. Mechanism of contact elimination. XXI, 23:6096
- NOLLEZ, Gerard Brightness temperature of a high-pressure argon plasma, 25:33219
- NOLT, I. G. Far infrared properties of lattice resonant modes. I, 22:24432
  - Observation of emission feature at 11.7 cm^{-1}, 25:33038
- NOLTE, C. R. Separation of alkaline earth elements by cation-exchange chromatography in ammonium malonate media, 22:2184
- NOLTE, E. On- and off-beam gamma spectroscopy on neutron deficient isotopes of Ge, Se, Br, and Kr, 25:28213 (CERN-70-30(Vol.2), pp 911-15)
- NOLTE, G. Flow system for continuous activation of gaseous or liquid samples, 25:17627
- NOLTE, H. Electronically-controlled pneumatic tube system for activation analysis at a particle accelerator, 25:20184
- NOLTENIUS, H. Delayed repulsion of skin transplants after injection of thorium dioxide in mice, 23:41264
- NOLTING, Eugene Method for pre-preionization of plasma, 25:45489
- NOLTINGK, B. E. Remote measurement of displacement by use of a γ-ray source, 23:14071

Some uses of radioactive isotopes in measurements on turbines, 25:57663
NOLTINGK, Bernard Edward Apparatus for irradiating materials with electrons, 25:54835
NOMA, Amy T. Scintillation counting of ninhydrin-amino acid-^{14}C reaction products from an automatic amino acid analyzer, 22:37659
NOMA, H. Rotational levels in ^{167}Tm, 24:43383
NOMA, Hiroshi Rotational levels in ^{167}Tm and ^{171}Lu, 24:24564
NOMAGUCHI, Tamotsu Nonequilibrium ionization heated by dc electric field or metastable nitrogen molecules, 22:34680
Scattering of alpha particles by medium-weight nuclei, 21:21482 (NSJ-tr-64)
NOMAKI, Koji Internal oxidation of nickel alloys containing small amounts of chromium, 25:15455 (SC-T-713004)
NOMARSKI, Georges Irradiation of cellular organelles with the aid of a ruby laser, 21:18140
NOMEROVANNAYA, L. V. Optical properties of molybdenum single crystals, 25:52962
Optical properties of tungsten single crystals, 25:27899
NOMI, Mitsuhiko Equipment for process water production and waste water disposal for reactors, 25:48275
Heavy water, light water, and gas systems for DCA, 25:20801
Radioactive-waste treatment facilities, 22:51209
Solidification of radioactive sludges, 25:10799
NOMIYA, Bunzo Antituberculous activity of γ-iodopropargyl-o-tolyl-ether and analysis of its in vivo metabolism by double labelling, 23:33584 (NSJ-tr-121)
NOMIYAMA, Kazuo Some effects of uranyl acetate on proximal tubular function in rabbit kidney, 23:2764
NOMOFILOV, A. A. Analysis of low-energy particle tracks in a Wilson chamber, 21:6289
Real part of π^-p elastic scattering amplitude in Coulomb interference region at 3.48 and 6.13 GeV/c, 21:27305 (JINR-E1-3267)
Real part of the elastic π^-p scattering amplitude in the Coulomb interference region at 3.48 and 6.13 GeV/c, 22:7445
NOMOFILOV, E. V. Calculation of hydrodynamical characteristics of turbulent flow in rectilinear channels, 24:33842
Turbulence scale in channels formed by closely packed rods, 22:21281
Turbulent flow of a liquid in a tube or plane slit, 24:44192
NOMOTO, K. Appendix and γM-antibody formation. I, 24:31877
NOMOTO, Morikazu Effect of a spin—spin interaction on the gamma angular correlation in the direct reactions, 22:27357
NOMOTO, S. JAERI fast critical facility, 21:35700 (ANL-7320, pp 776-84)
NOMOTO, Shoji Analysis of heterogeneity effect by Monte Carlo method, 24:26834
Criticality of 20 percent enriched uranium fast critical assemblies, 23:13549
Measurement of cell-dependent neutron spectra in fast core with nuclear emulsion, 25:18190
Using nuclear emulsions for measuring anisotropy of fast neutron fluxes, 24:18739
NOMOTO, T. Evaporation characteristics of iron—nickel alloys, 24:31216 (UCRL-Trans-10465)
NOMOTO, Taichi Cryosorption properties of molecular sieves in ultrahigh vacuum region, 22:300
NOMOTO, Teruo Operation experiences of Tokai power station, and planning for Tsuruga power station, 22:14170
Planning of the construction of the Tsuruga Atomic Power Station, 21:14013
NOMOTO, Yukiharu Effect of longitudinal magnetic field on low pressure plasma flow, 23:39450
NOMURA, Akio Experience in construction and operation of commercial nuclear power station in Japan, 25:53958 (A/CONF.49/P-849)
Nuclear power generation and its economy, 23:9102
Outline of the BWR, 22:53326
Planning for Fukushima power station, 22:16173
State of constructions on Fukushima atomic power station, 25:3780
NOMURA, Akira Isotopic analysis of iron, 23:9316
NOMURA, Etsuo Determination of oxygen in steel by neutron activation analysis, 24:31277
NOMURA, H. New aluminum-stabilized superconducting wire, 25:47490
NOMURA, Junichi Direction of development on reactor materials, 25:19222
NOMURA, K. Determination of Sc and Au in meteorites, tektites, and standard rocks by neutron activation, 24:48052
NOMURA, Koichi Gamma-ray spectrometric study of the photoactivation products with 20-MeV bremsstrahlung, 22:22614
Radioactivities induced by (γ,n) reactions with 20-MeV bremsstrahlung, 21:22008
Study of nuclear reaction by means of residual nucleus method, 25:25767
Study of photo-nuclear reaction by means of residual nucleus method, 25:59815
Study of photoactivation analysis: determination of As and Nb, 24:18915
Study of photon activation analysis, 25:41766
Yield of (γ,α) reactions with 20 MeV bremsstrahlung, 23:10971
NOMURA, Koji Radiation therapy in Ehrlich ascites cancer. I, 23:41419
Radiation therapy in Ehrlich ascites cancer. II, 23:41393
NOMURA, Kousi Superconductivity of Ta—Re alloys, 24:15206
NOMURA, M. A calculation method for the multiplicity of states, 24:43549
Perturbation treatment of configuration mixing in SCS nuclei, 24:30924
Perturbation treatment of like nucleons in a large single shell, 24:49963
Residual interaction and the seniority scheme of three- and four-nucleons in a single shell, 24:43552
Seniority mixing in odd—odd nuclei, 24:26679
Shell model calculation in large j configuration, 24:43556
Shell-model calculation in large j configuration, 22:27307
NOMURA, Masao Binding energy formula of identical nucleons, 24:52736
Comments on problems of seniority mixing and γ-band structures, 22:48582 (JAERI-1158, pp 115-17)
Moszkowski's relation and second moment of energy for given seniority or isospin in single shell, 24:52738
Multiplicity of states in a single shell, 25:5829
Square sum of non-diagonal matrix elements of one-body operator in a single shell, 24:52705
Third moment of nuclear Hamiltonian, 24:52737
NOMURA, Masataka Determination of S content in fuel oil by x-ray absorption of tritium bremsstrahlung, 21:4453
NOMURA, Masayuki Measurement of the fast neutron fluxes in an experimental critical assembly. I, 25:48905 (JAERI-Memo-4337)
NOMURA, Osami Conductivity of a gas—solid mixture, 22:47877
NOMURA, Setsuo Response of liver to γ irradiation, 23:41443
NOMURA, Shigeaki Characteristics of a high-power nitrogen plasma jet, 21:42109
NOMURA, Sueichi Method for producing heat-stable polyoxymethylene, 21:4579
NOMURA, Sueo Compatibility of tantalum with uranium monocarbide at high temperatures, 24:42130
Corrosion of reactor materials under irradiation, 23:35998
Corrosion of Zircaloy-2 and 4 in high temperature and high pressure boiling water and steam, 21:13106 (JAERI-1116)
Fatigue strength of in-pile tube of OWL-1 in JMTR, 24:36069
High temperature oxidation of beryllium in water vapor, 22:36435
Irradiation tests of domestic Zircaloy-2 cladding materials in JPDR, 25:12862 (JAERI-Memo-4192)
Oxidation kinetics and oxide film break-away of Zr, 23:12268 (JAERI-1161)
Stress in oxide films of zirconium and Zircaloy-2 during anodic oxidation, 22:19523 (NSJ-tr-94)
Stress in the oxide films Zr and Zircaloy-2 during anodic oxidation, 21:11230
NOMURA, T. Anomalous orbital magnetism of proton deduced from magnetic moment of 11^- state of ^{210}Po, 25:5742
Core polarization effect on the magnetic moment of the 8^+ state of ^{210}Po, 24:20390
E2 effective charges of the f/sub 7/2/ proton and neutron, 25:5646
Effective spin and orbital magnetism of proton studied from g-factors of 8^+ states in ^{90}Zr and ^{92}Mo, 25:17870
Excited states of even cadmium nuclei studied by (α,xnγ) reactions, 24:43381
Gamma rays following heavy-ion bombardment of light nuclei, 23:21289
Magnetic core polarization in the (h/sub 9/2/^{2})8^+ state of ^{210}Po, 24:43392
Magnetic moment of the lowest 6^+ state in ^{43}Ca and effects of the deformed states, 25:48052
Spin assignment of 8.555-MeV state in ^{28}Si, 22:44669
Stroboscopic determination of magnetic moment of 8^+ isomeric state of ^{208}Po, 25:12614
NOMURA, Toru Lifetime of the lowest 6^+ state in ^{54}Fe and E2 effective charge, 25:38944
Magnetic moments of the 8^+ isomeric states of ^{90}Zr and ^{92}Mo, 25:53779
Nuclear physics using the tandem accelerator in Heidelberg, 24:20340 (JAERI-1184, pp 19-24)
NOMURA, Toshiaki Volumetric determination of iodide ion with Hg-EDTA, 24:41204
NOMURA, Tsutomu Application of noise analysis to power reactor control, 24:47821 (CONF-680980-, pp 87-101)
Device for measuring the power output of a nuclear reactor, 23:43213
Instrumentation for a nuclear reactor, 23:19946
Noise analysis of boiling water reactor, 24:47951 (CONF-680980-, pp 197-210)
NOMURA, Tsuyoshi Potentiometric titration with chelating agents using metal oxide electrode as an indicator electrode, 22:8008
NOMURA, Yoshitoshi Local immunity of intestinal tract of chickens after oral administration of Newcastle disease virus, 24:34177
NOMURA, Yuji Single crystals of uranium oxides by chemical transport reactions, 25:22139
NONA, D. A. Effect of deuterium oxide on culturing of P. janczewskii. I, 22:10887
Effect of deuterium oxide on culturing of Penicillium janczewskii. III, 23:6371
Isolation of fully deuterated griseofulvin on the culturing of Penicillium janczewskii. II, 22:40528
NONA, Daniel A. Effect of deuteration on the growth and antibiotic production of a number of strains of Penicillium, 23:10127
Effect of heavy water on Pencillium, 24:19376
NONA, Daniel Aloysius Isolation of griseofulvin from Penicillium Janczewskii grown in deuterated environment, 22:33722
NONAKA, I. Collective states of ^{114}Cd excited by inelastic scattering of 55-MeV protons, 22:27131
Collective states of ^{120}Sn excited in inelastic scattering of 14.698-MeV protons, 24:38207 (INSJ-116)
Elastic and inelastic scattering of 55-MeV protons from ^{110}Cd and ^{114}Cd, 22:27201
Electrical detection system for broad-range magnetic spectrometers, 21:32406
Excitation of some sd-shell nuclei by inelastic scattering of 55-MeV protons, 22:27016
Numerical differential cross sections of reaction ^{58}Ni(p,t)^{56}Ni with 51.9 MeV protons, 25:12431 (INSJ-124)
Search of states excited by spin-flip interactions with 55-MeV protons in sd-shell nuclei, 22:27014
NONAKA, Itaru Alpha thickness gauge, 25:49027 (INS-TL-110)
Alpha-ray thickness gage. II, 25:57864 (INS-TL-112)
Collective states of ^{110}Cd, ^{114}Cd, and ^{116}Cd excited in inelastic scattering of 55-MeV protons, 23:15469
Elastic and inelastic scattering of 55 MeV protons from ^{60}Ni, 21:7752
Inelastic proton scattering from ^{90}Zr and ^{92}Zr, 21:38331
Reaction ^{15}N(p,α)^{12}C in the energy range of protons from 6.70 to 15.16 MeV, 21:25452
NONAKA, Kozo In-pile flow type gas reaction equipment, 22:53428
NONAKA, Kyohei Glucagon immunoassay, 23:38492
NONAKA, Takashi Double-cell coulometric determination of alkali and alkaline earth metals, 25:23519
NONHEBEL, Dirk Radioisotope generator of the mother-daughter type having quick-detachable members, 25:54909
NONNENMACHER, Genevieve Study of ribonuclease of kinetics of exchange of hydrogen—deuterium, 24:16956
NONNENMACHER, Rene Rare-earth extraction using di-2-ethyl hexylphosphoric acid, 24:29361 (CEA-R-4004)
NONNENMACHER, T. Construction of exact solution of Boltzmann equation in media with cylindrical geometry by superposing fundamental modes, 22:53457 (BMwF-FBK-68-17)
NONNENMACHER, Th. F. Convergence problems associated with the Jacobi polynomial method for solving Boltzmann's transport equation, 21:33865
Convergency of the spherical harmonics method and its connection with the normal mode approach, 21:29852
Elementary solutions of the monoenergetic Boltzmann equation in spherical geometry, 22:11877
Gegenbauer polynomial solutions of the Boltzmann equation for plane and cylindrical geometry, 22:11880
NONOMURA, Takuo Charge distribution and thermally released current in gamma-irradiated cerium glass, 25:47615
Radiation effects on glass containing cerium, 22:21097
NOOMEN, J. G. EVA, 85 MeV linear electron accelerator (Versneller) at Amsterdam, 23:44777
NOON, Edward L. RTG/radioisotope heater shielding for sensitive science instruments on spacecraft, 25:4246
Sensitivity of photographic film to nuclear radiation in near-earth missions, 22:12730
NOON, J. H. Connection between self-excited low frequency oscillations and anomalous plasma diffusion, 25:17229
Correlation measurements of ion acoustic waves in a highly ionized plasma, 22:41598
Non-Maxwellian form of electron velocity distribution in nitrogen plasmas, 22:11443
Prog. rpt. on instabilities and turbulence in highly ionized plasmas in a magnetic field, semiannual, 3—8/70, 25:43385 (N-71-12892)
Prog. rpt. on instabilities and turbulence in highly ionized plasmas in a magnetic field, semiannual, 9/70—2/71, 25:56196 (N-71-25028)
Prog. rpt. on non-equilibrium properties of magnetoplasmas, semiannual, 9/66—2/67, 21:44127 (NP-16948)
Radial density profile and critical magnetic field for helical instability in hollow plasma, 21:44139
NOONAN, Charles D. Angiographic evaluation of the effect of trauma and irradiation on transplanted lymphosarcoma in mice, 22:12920
NOONAN, J. Energy transfer in crystals doubly doped with rare earths, 22:22994 (CONF-670502-, pp 249-58)
NOONAN, T. R. Changes in peritoneal leukocytes of irradiated rats, 22:33913
Conference on dose rate in mammalian radiation biology, Oak Ridge, 4—5/68, 22:49467 (CONF-680410)
NOONAN, T. W. Relativity and cosmology, 23:27320 (AD-678054)
NOONAN, Thomas R. Developmental radiobiology, 24:23311 (CONF-690501-, pp 1-6)
Early vascular permeability changes in whole-body x-irradiated rats, 22:49621
Effect of dose-rate on the acute lethal response of dogs, 22:40884
NOONAN, Thomas W. Cosmic density, 25:4932
Cosmological reddening of field galaxies, 25:22335
Faint galaxies in Coma and Corona Borealis clusters, 25:24811
Galactic absorption in Zwicky catalogue, 25:24812
Local mean cosmic density from double-galaxy data, 25:22344
Mean cosmic density based on masses of clusters of galaxies, 25:22343
Mean cosmic density from galaxy counts and mass data, 25:22345
Mean ratio of mass to the three-halves power of luminosity for elliptical and lenticular galaxies, 25:58635
Radius of maximum rotational velocity in spiral galaxies, 25:55786
Relativity and cosmology, 23:10426
Relaxation times for clusters of galaxies, 24:46965
Tidal effects in Coma cluster of galaxies, 24:51368
Transformation to rotating coordinates, 25:38606
Zwicky's Corona Borealis Cluster counts, 24:1238
NOONEY, Grove C. Erythron-dependent model of iron kinetics, 21:8740
NOONKESTER, V. R. Prog. rpt. on ionosphere variations over Washington, D. C., 6/63—1/66, 21:682 (AD-634841)
NOORDINK, J. Ph. W. Application of the sterile-male technique on the onion-fly, 24:32330

Irradiation, competitiveness, and the use of radioisotopes in sterile-male studies with the onion fly, 25:29748
NOOTHOUT, A. J. KEMA sol-gel process, 25:6892 (DP-Report-430)
Sol—gel development at KEMA, 23:3131
Sol-gel fuel studies in the Netherlands, 23:30131
Sol-gel processes for the preparation of spherical thorium-containing fuel particles, 22:23856 (CONF-660524-, pp 377-90)
U(VI)-process for microsphere production, 24:30015 (CONF-700502-, pp 253-63)
NOOTHOUT, Arend J. Method of preparing a stable mixed sol of hexavalent uranium and tetravalent thorium by peptization, 25:42945
NOOTHOUT, Arend Jansan Preparation of spherical particles of nuclear fuel, 22:28912
NOOYENS, A. J. Sealing pipe—pipe plate connection in condenser of Dodewaard Nuclear Power Plant, 24:11108
NOPRE, H. Odd-A isotopes of iridium, 23:47050
NORA, A. H. Supralethally irradiated mice posttreated with marrow xenografts and rabbit antimouse thymus globulin, 24:12005
NOR-AREVYAN, N. G. Correlation of radioresistance of Vicia faba roots with content of thiol compounds, 25:44975
Determination of free radical state during irradiation of plants, 22:33978
Effect of increased oxygen pressure on the radiation injury of wheat grains, 23:22435
Role of sulfhydryl groups in natural radiosensitivity of Vicia faba and Triticum seedlings, 25:44974
Some reactions of the organisms to radiation in different oxygen pressures, 25:35118
NORBAECK, Bengt Krypton-85 clearance curves from the brain of the dog, 21:22302
NORBAEV, N. Formation of quinones in plants with different radiosensitivities, 21:36523
Restoration of radiation damages to cotton seeds during prolonged storage, 22:52025
Role of quinones in demonstration of irradiation effects, 21:10743
NORBECK, E. Beryllium-8 levels at 16.62 and 16.92 MeV from ^{6}Li(^{6}Li,α)^{8}Be, 21:2635
Beryllium-8 states and final-state Coulomb interactions, 24:15811
Interference of ^{8}Be levels and final-state Coulomb interactions, 25:45927
Multiparameter pulse-height analysis programs, 22:331
On-line system interacting with off-line university computer center, 24:7670 (CONF-690301-, pp 32-6)
Production of three ^{4}He nuclei by direct interaction of ^{6}Li with ^{6}Li, 25:59718
NORBECK, Edwin Distortion of nuclear spectra by final-state Coulomb interactions, 22:32500
Unbound nuclide ^{7}B, 22:7647
Use of a computer for data acquisition and preliminary processing, 21:34505 (CONF-660527-, pp 13-19)
NORBERG, C.-H. Chemical shifts in europium, 22:52866
Determination of L subshell ratios of pure M1 transitions, 21:33989
Electron binding energies in platinum, 22:13540 (UUIP-553)
NORBERG, J. A. Carolinas Virginia tube reactor (CVTR) in-plant testing project, 23:28521 (IDO-17258-H)
Carolinas Virginia tube reactor containment leakage rate tests, 24:11096 (IN-1326)
Simulated design basis accident tests of CVTR containment, 24:4068 (IN-1325)
Simulated design basis accident tests of the Carolinas Virginia tube reactor containment. Final report, 25:25846 (IN-1403)
NORBERG, Lars Turbine for the Oskarshamn nuclear power plant, 22:50758
NORBERG, R. E. Diffusion coefficients and nuclear magnetic susceptibility of dilute ^{3}He—He II solutions, 22:38995
Multiple-pulse NMR transients of ^{129}Xe and ^{131}Xe in solid Xe, 21:15228
Pulsed nuclear magnetic resonance in rotating solids, 21:25175
NORBURY, A. H. Atomic orbitals, 22:11209
NORBURY, J. Status report on the electron analogue beam loading experiment, 22:41888 (RHEL/M-124, pp 29-42)
NORBURY, J. F. Measurement of fuel rating by gamma scan and wire activation methods: a discussion based on Windscale advanced gas-cooled reactor experience, 21:21682
NORCLIFFE, A. Correspondence identities. II, 23:41991
Correspondence identities. III, 23:39667
Correspondence identities. IV, 23:39668
Correspondence identities. V, 25:25371
Correspondence identities. I, 23:42519
NORCLIFFE, S. Calibration measurements on the PLA, 22:15879 (RHEL/R-110)
Reduction of energy spread on Rutherford Laboratory P. L. A, 23:19051 (BNL-50120(Pt.1), pp 416-25)
NORCO, J. E. Chicago air pollution systems analysis program, 25:28840 (ANL/ES-CC-8)
Heat-pipe-cooled fast-reactor space power supply, 23:7405 (ANL-7422)
Multiple-source urban atmospheric dispersion model, 25:4161 (ANL/ES-CC-7)
NORCROSS, D. Asymptotic solutions of the coupled equations for electron collisions with positive ions, 23:39325
Ultra-high temperature measuring techniques, 22:46122 (N-68-24571)
NORCROSS, D. W. Departure from LTE in the thermionic converter, 21:43870
Photo-ionization of He metastable states, 25:47337
Recombination, radiative energy loss, and level populations in nonequilibrium cesium discharges, 22:24316
Solutions of close-coupling equations for electron scattering, 24:23789
Ultraviolet absorption in cesium-seeded hydrogen, 24:1394
NORCROSS, David W. Coupled equations for electron scattering, 24:6368
Prog. rpt. on nonequilibrium plasma in thermionic discharges, final, 12/66—11/67, 22:38838 (AD-664494)
NORCROSS, John W. Radioactive treatment of polycythemia vera, 22:49531
NORD, Ake Prog. rpt. on electron density and neutral gas density in plasma, 6/1/65-8/31/65, 21:23158 (AD-631843)
NORDAHL, J. H. CPD jets: standard groupings and process specifications, 23:9608 (ISO-875)
NORDAL, Donald M. Prog. rpt. on application of modern automatic control theory to nuclear rocket dynamics and control, semiannual, 2/66, 21:14049 (NASA-CR-70862)
NORDBERG, David Xenon-133 myocardial blood flow determination, 23:29333
NORDBERG, M. E. Jr. Photoproduction of ω mesons from complex nuclei, 24:30429
Pion double-charge-exchange cross-section measurements, 22:53117
Pion elastic scattering from carbon and oxygen at 30 MeV, 24:38120
Reaction ^{6}Li(π^{+},pp)^{4}He and T = 1 states in ^{4}He, 22:41965
Remeasurement of π^{+} lifetime, 21:29438
Two-nucleon emission following absorption of stopped negative pions, 22:13945
Wire spark chamber for gamma ray detection, 24:23008
NORDBERG, R. Computer investigations of a double focusing spectrometer and comparisons with experimental results, 22:28138
Determination of electron binding energies in plutonium with photo-electron spectroscopy, 21:32913
New magnetic instrument for ESCA, 23:9734
NORDBERG, Ragnar ESCA studies of atoms and molecules, 22:37675
NORDBERG, Ulla-Brita Determination of tumor dose by transmission measurements, 23:31793
Treatment of cancer of larynx with cesium unit, 21:45721
NORDBY, D. H. High-energy physics utilization of ZGS, 22:32307 (CEAL-2000, pp 456-9)
NORDBY, David H. On-line computer preparation of time profiles of the ZGS, 21:38126
NORDEMANN, D. Gamma emitters and exposure age of the Bovedy meteorite, 25:19301
Radioactivity induced by cosmic radiation in Saint Severin meteorite, 22:7080
NORDEMANN, Daniel Activity of Dosso meteorite, 24:46823
Gamma-emissions of some meteorites and terrestrial rocks, 21:1445 (CEA-R-3017)
Measurement of abundance of ^{24}Na in meteorite Saint-Severin, 21:41716
Measurement of radioactivity of recently fallen carbonated chondrite: Allende, 25:11540
Origin of pallasites, 25:2824
Radioactivity of waters of western Mediterranean, 21:19778
Saint-Severin meteorite: atmospheric trajectory and orbit, 25:18267 (CEA-R-4045)
Thermoluminescence induced in thick targets by 3 GeV protons, 25:36298
NORDEN, A. Study of ^{57}Co—vitamin B_{12}-absorption, 24:770
NORDEN, H. Angular distributions of ions scattered in thin carbon foils, 25:16755
Damage in double-positioned gold films bombarded with helium ions, 22:24443
Damage in gold bombarded with medium mass ions, 25:14413 (NP-18645)
Energy dependence of krypton ion damage in gold, 23:34499
Energy loss of well-channeled H, He, and Li ions in Au, 25:11976
Field-evaporation end form of W, 24:5214
Fission fragment damage in tungsten, 21:20545
Grain-boundary dislocations in tungsten wire, 25:16539
Vacancy clusters in fission-fragment-irradiated tungsten, 25:17292
NORDEN, Hans Field-ion and electron microscope studies of lattice defects in tungsten and gold, 24:8521
NORDENFELT, Erik Method for studying phagocytosis with ^{51}Cr labeled yeast cells, 25:10908
NORDENGREN, Sven Thermal decomposition of calcium sulfate at low temperatures, 22:10165 (ORNL-tr-1679)
NORDEN-OTT, A. Temperature dependence of isotope thermotransport in liquid metals, 23:7603
NORDEN-OTT, Aslaug Effect of hydrostatic pressure on self-diffusion in single crystals of indium, 25:52950
NORDENRAM, Ake Allogeneic transplants using ^{60}Co-irradiated teeth in monkeys, 24:34165
NORDENSON, U. K. Legal conflicts arising from the simultaneous application of the Paris and Vienna Conventions with regard to nuclear incidents, 24:22967
NORDENSTROEM, Bj. Short-span ^{60}Co radiotherapy of lung carcinoma with simultaneous O inhalation and blocking of pulmonary artery, 21:18078
NORDENTOFT JENSEN, Bjoern Myelofibrosis with myeloid metaplasia and pancytopenia after Thorotrast injection, 25:44957
NORDEY, David H. Zero Gradient Synchrotron experimental area computer control system, 23:28148
NORDHAGEN, R. Collective states in ^{59}Co, 22:3680
Decay of ^{71}Zn, 22:29948
Doppler shift determination of lifetimes for Coulomb excited states, 21:1023
Half-lives of rotational levels in ^{152}Sm, 24:43342
Isomers in ^{156}Gd, ^{172}Yb, and ^{182}W, 24:6922
Lifetimes of ground-band states in ^{148} ^{150} ^{152}Sm, 25:31364
Perturbed angular distributions from ^{120} ^{122} ^{124}Sn(^{40}Ar,4n) ^{156} ^{158} ^{160}Er reaction products, 24:26666
Spin dependence of the deorientation of recoiling free atoms, 24:43393
Study of reaction ^{58}Fe(p,γ)^{59}Co, 23:13258
NORDHEIM, Erik V. Major events of the nuclear age, 21:38832 (ORNL-TM-1830)
NORDIN, B. E. C. Bone patterns in aging and osteoporosis, 25:4618 (CONF-680211-, pp 159-77)
Calcium-45 and ^{85}Sr absorption, excretion, and skeletal uptake, 21:45559
Effect of dietary calcium on the absorption and retention of radiostrontium, 22:12774
Internal relationships between skeletal parameters in twenty-three male skeletons, 25:4652 (CONF-700515-, pp 365-82)
Radiostrontium absorption in man: suppression by calcium and by sodium alginate, 22:28612
NORDIN, C. W. Controlled electron beam evaporation of Be, 23:20492
NORDINDER, O. Marviken power station, 23:37456
NORDINE, Paul C. Knudsen cell studies of the vaporization of gadolinium and gadolinium dicarbide, 21:41596
Structure in liquid Au—Cd and Ce—Cd solutions, 21:491 (LA-3526)
Vaporization kinetics of potassium chloride and rarefied gas flow with spherical effusion cell, 24:36107 (COO-1140-185)
Vaporization of samarium dicarbide, 23:27176
NORDIO, P. L. Deuterium effect on ESR spectra of cyclic polyene radicals, 22:30556
NORDLIE, Peter G. Consumer behavior and worker participation in recovery activities, 21:24405 (HSR-RR-67/5-T-1)
Feasibility of developing standard descriptions of post-attack situations, 21:39442 (HSR-RR-67/8-Sd)
NORDLING, C. Array detectors and extended source used in a double focusing beta spectrometer, 21:6259
Chemical shifts in europium, 22:52866
Determination of electron binding energies in plutonium with photo-electron spectroscopy, 21:32913
Electron binding energies in platinum, 22:13540 (UUIP-553)
High resolution observations of autoionization electron spectra, 23:32157 (UUIP-589)
K-level of Be in metal, oxide, and fluoride, 22:13211 (UUIP-548)
New magnetic instrument for ESCA, 23:9734
NORDLING, Carl VC, NbC, and TaC studied by electron spectroscopy for chemical analysis, 25:19867
NORDLING, Stig Chromosome aberrations induced by x-ray therapy and myxovirus infection in human peripheral leukocytes, 25:24119
NORDLOEF, G. Long-term planning for nuclear power in the Nordic countries, 25:53932 (A/CONF.49/P-300)
NORDLUND, D. R. Plasma parameter slide rule, 24:6519
NORDLUND, David L. Computer collection of mass spectrometric ionization efficiency curves, 25:44241 (COO-1140-198)
NORDLUND, H. Risks of handling irradiated plutonium fuel in beta—gamma cells, 24:31652
NORDMAN, Clas T. Lung scanning with gamma camera, 25:55296
NORDMAN, D. A. Application of advanced nuclear reactors to utility systems, 21:2851
Core management and fuel-cycle costs, 24:18528
Economic impact of breeder reactors on utility systems, 22:16219
Estimating average nuclear fuel costs, 24:13553
Estimating average nuclear fuel costs, 25:10216
How utility systems will add advanced nuclear reactors, 21:30198
NORDMAN, E. Use of optic pantograph to reduce transversal tomograms to normal size, 25:16146
NORDMAN, Eeva Reliability of liver scanning with ^{198}Au, 25:55276
NORDMAN, J. E. Controlled fabrication of Nb superconductive tunnel junctions, 25:45420
Thin-film Josephson junctions using getter-sputtered Nb, 23:30489
NORDMANN, B. J. Jr. ILLIAC III reference manual. II, 25:34451 (COO-2118-6)
ILLIAC III reference manual. III, 25:57227 (COO-2118-21)
ILLIAC III reference manual. IV, 25:57226 (COO-2118-19)
NORDMANN, Bernard J. Jr. Illiac III computer system manual, 25:31694 (COO-2118-1)
NORDMANN, R. Metabolites in secondary syndrome complicating grafting of allogenic hematopoietic cells, 22:38206
NORDMEYER, H. MINOX: catalytic deoxygenation process for irradiated organic reactor coolants, 25:23547 (EUR-4621)
NORDQUIST, John Lysosomes and the skin, 21:39486 (ORO-3578-1)
Prog. rpt. on effects of radiation on permeability and enzymes of skin, annual, 7/22/68, 22:49179 (ORO-3578-4)
NORDQUIST, Robert Lysosomes and the skin, 21:39486 (ORO-3578-1)
NORDQUIST, Robert E. Epidermal irregular dense body, 21:8945
NORDSIECK, H. Additional activities of the office for environmental monitoring, 24:36555 (JUL-603-ST, pp 93-100)
Instrumentation for diffusion experiments with radioactively labeled air vanes, 24:36410 (JUL-603-ST, pp 227-42)
Vertical distribution measurements of natural radioactivity in air from a meteorological tower, 24:36412 (JUL-603-ST, pp 254-9)
NORDSIECK, Kenneth H. Dust—radiation instability in ionized nebulae, 25:8999

Further comment on the dust-radiation instability in ionized nebulae, 25:35688
NORDSTROEM, B. Long-term planning for nuclear power in the Nordic countries, 25:53932 (A/CONF.49/P-300)
Power supply in Sweden in the 1970's, 22:20818 (NP-17271)
NORDSTROEM, Birgitta Photometric standard sequences in Norma, 24:4900
NORDSTROM, Dennis Leland Some applications of coherent states in quantum electrodynamics, 24:30554 (IS-T-340)
NORDTVEDT, K. Jr. Back reflection of scalar and vector waves in gravitational fields, 24:13172
Equivalence principle for massive bodies including rotational energy and radiation pressure, 23:32826
Quantum-electrodynamic corrections to the electron charge value in metals, 24:28461
Testing relativity with laser ranging to the moon, 22:37193
Upper bounds to eigenvalues of one-dimensional Strum—Liouville equation, 21:44451
NORDTVEDT, Kenneth Equivalence principle for massive bodies. IV, 25:31009
NORDTVEDT, Kenneth Jr. Equivalence principle for massive bodies. II, 22:35114
Equivalence principle for massive bodies. I, 22:35115
Post-Newtonian metric for general class of scalar—tensor gravitational theories and observational consequences, 24:46985
NORDYKE, M. D. Plowshare streamlined operational system, 23:45433 (UCRL-50658)
Underground engineering applications, 23:24332 (UCRL-71453)
NORDYKE, Milo D. Analysis of nuclear-explosive gas stimulation and the program required for its development, 25:39620 (UCRL-50966)
Crater studies, 24:44156 (ITR-1816)
On the use of nuclear explosives for stimulation of geothermal heat, 24:41542 (CONF-700101-(Vol.2), pp 1384-5)
Peaceful uses for nuclear explosives, 24:22846 (UCRL-72332)
The use of multiple explosives for nuclear gas stimulation, 25:6449 (UCRL-72568)
Underground engineering applications, concepts, and experience, 25:51664 (UCRL-72769(Rev.1))
Use of multiple explosives for nuclear gas stimulation, 25:4173
Use of multiple nuclear explosives for gas stimulation, 25:37518
NORDYKE, Robert A. Screening for kidney disease with radioisotopes, 23:26832
NORED, Donald L. Cryogenics and superconductivity, 24:26095 (NASA-SP-5057, pp 259-80)
NORELAND, Erik Electron interaction in transition metal x-ray emission spectra, 24:49260 (UUIP-702)
Temperature dependence of intensity of $K\beta'$ satellite in Fe and Ni, 22:11198 (UUIP-558)
X-ray emission spectra of VC/sub x/, NbC/sub x/, TaC/sub x/, and ZrC, 23:46553 (UUIP-620)
X-ray emission spectra of VC/sub x/, NbC/sub x/, TaC/sub x/, and ZrC, 25:30267
X-ray study of inner level shifts and band structure of TiC and related compounds, 23:15766 (UUIP-608)
NORELAND, T. Nuclear spins of neutron-deficient holmium and erbium isotopes, 23:40033 (UUIP-648)
Nuclear spins of neutron-deficient holmium and erbium isotopes, 23:52152
NORELLI, F. Method for calculation of kinetic problems of thermal reactors, 21:19386 (RT/FI-(66)21)
Nuclear reactor spatial kinetics calculations, 23:40429 (CONF-690401-, pp 102-15)
NORELLI, Francesco Some experience with fitting indirect thermal cross sections to Wigner—Wilkins spectrum, 22:50868
NOREM, J. Direct measurement of n-p and n-d total cross sections from 700 MeV/c to 2900 MeV/c, 24:49315 (PURC-4159-7)
Evidence for eta^0 and ω^0 meson production in reaction $p + d \to {}^3He$ + missing mass, 24:26370
High resolution, high statistics baryon spectrometer, 25:23855
Production of boson resonances in reaction $p + d \to {}^3He + X^0$ using a novel missing-mass spectrometer, 23:46605 (NYO-2171-286)
Production of ω in reaction $p + d \to {}^3He + \omega^0$, 24:30439 (CONF-690521-, pp 326-36)
Production of ω in reaction $p + d\ {}^3He + \omega^0$, 23:34527 (NYO-2171-275)
Search for structure in the nucleon isobar mass spectrum from 1100 to 1800 MeV, 25:50061
NOREM, James H. Interactions of 290 MeV/c positive pions with deuterium, 23:23361 (PPAR-7)
NOREN, Bertil Complex chemical studies of some quadrivalent metal ions of fluoride and sulfate complexes, 24:20762
Solvent extraction and potentiometric study of fluoride complexes of Th(IV) and U(IV), 23:45278
NORENA, S. Site of the first Spanish nuclear power stations, 22:18430
NORENBERG, W. Angular momentum distributions in primary fission fragments, 24:43493
NORETS, T. A. Behavior of radioactive zinc in the organism and the acceleration of its elimination, 23:22182 (AEC-tr-6944, pp 657-69)
Binding of radioactive isotopes by skin, 24:50692
Comparative behavior of ^{89}Sr and ^{140}Ba in skin, 25:57917
Interaction of ^{99}Mo with biocomponents of skin, 24:23097
NORGARD, John D. Propagation in a planar inhomogeneous plasma medium, 24:12858 (N-69-40811)
NORGARD, P. Collective states in ^{191}Ir and ^{193}Ir, 24:43358
NORGETT, M. J. Diffusion of inert gases in ionic crystals, 24:14910
Migration of inert gases in ionic crystals, 23:7065
NORGON, Russell W. E. Study of the exchange characteristics of montmorillonite clay for fission product cations for use in the generation of insoluble aerosols. technical progress report, 22:10323 (LF-37)
NORGREN, Allan Method for measuring prostatic blood flow with ^{133}Xe in dog, 22:10694
NORGREN, Duane U. Bubble chamber optics, 21:16146 (UCRL-17259)
NORGROVE, Royal Malcolm Method of assembling the core of a nuclear reactor, 21:44954
Pressure vessels for nuclear reactors, 22:1837
NORHAGEN, Aké Short-span ^{60}Co radiotherapy of lung carcinoma with simultaneous O inhalation and blocking of pulmonary artery, 21:18078
NORHAMMAR, Ulf Nine suitable sites for nuclear reactors between Valdemarsvik and Oesthammar, 23:43062
NORI-BUFALINI, G. Postirradiatory modifications of human vescical mucous, 22:33951
Ultrastructural alterations of human rectal mucosa after irradiation, 22:36209
NORIKOV, V. G. Methods taking account of Coulomb scattering and bremsstrahlung for bubble chamber tracks treatment, 21:8577 (JINR-P10-3021)
NORIMURA, Toshiyuki Whole body counter, 24:31687
NORIN, Marvin P. SNAP 19 power system for Nimbus B, 21:12605
NORIN, R. Chemistry of elements Nb and Ta. LXIII, 22:17179
NORIN, Rolf Crystal structures of $Nb_{11}O_{27}$, $Nb_{25}O_{62}$, and H—Nb_2O_5, 21:18342
NORINDER, Harald Existence of echoes from unusual whistlers, 21:7091
Simultaneous analysis of whistlers at three adjacent recording stations at high magnetic latitudes in Sweden, 22:9209
NORINDER, O. Physics design aspects of Marviken reactor, 22:30256
NORK, W. E. Evaluation of Project Shoal site, 25:26403 (NVO-1229-105(Pt.1))
Radioactivity in water: Project Milrow, 24:22770 (NVO-1229-135)
NORK, William E. Radioactivity in hydrologic environment: Project Rulison, 24:5769 (NVO-1229-108)
Radioactivity in water: Project Rulison, 24:22769 (NVO-1229-131)
NORKUS, P. K. Use of OsO_4 as catalyst in titrimetry. XI, 25:54433
NORLAND, J. F. Sterilization of boll weevils with combinations of chemosterilants and x-rays, gamma rays, thermal neutrons, or fast neutrons, 24:4707
NORLAND, Jerome F. Damage to testes and recovery of fertility in boll weevils, 24:4676
NORLIN, L. O. g-factor of first excited state in ^{106}Pd, 23:8986
Influence of positron annihilation in γ—γ coincidence measurements in decay of ^{119}Te and /sup 119m/Te, 22:20601
Magnetic hyperfine field at the palladium nuclei in iron, 22:46262
Magnetic moment of 139-keV level in ^{193}Ir and magnetic hyperfine interaction in Fe—Ir alloy, 22:20045
NORLIN, L.-O. Nuclear magnetic moments of the first and the second excited states in ^{127}I, 21:15581
NORLING, Eva Rapid isotopic exchange between iodomethyltrimethyltin and iodide ions in acetone, 23:11487
NORLOCK, L. R. Fabrication of UO_2—PuO_2 and ThO_2—PuO_2 experimental fuel, 21:28811 (AECL-2675)
NORMAN, A. Kinetics of unscheduled DNA synthesis, 23:41246
Radiation stimulated incorporation of thymidine into DNA of human lymphocytes, 22:16991
Temperature dependence of unscheduled DNA synthesis in human lymphocytes, 24:39435
Unscheduled DNA synthesis at low x-ray doses, 25:8647
NORMAN, Amos Chromosome-exchange aberrations in human lymphocytes, 21:20141
Extracorporeal irradiation in goats and man, 22:10866
Multi-hit aberrations, 22:28432
Thermal spike effects in heavy-ion tracks, 22:12817
Unscheduled incorporation of thymidine in ultraviolet-irradiated human lymphocytes, 23:6397
Use of chromosome aberrations for dosimetry, 22:8526 (CONF-670305-, pp 382-90)
Use of chromosome aberrations to estimate x-ray and gamma-ray dose to man, 22:43298 (AD-666713)
NORMAN, Arlan D. Preparation and properties of 2- and μ-(halosilyl)pentaboranes(9), 24:44010
NORMAN, B. A. Theory and design of beam transport systems, 22:20362 (BNL-12138)
NORMAN, D. Radiation protection by auxin analogues and antiviral agents, 22:51671 (AD-644984)
NORMAN, David Virus growth—gene repression hypothesis of radiation protection by auxin analogues, 21:45658 (AD-644987)
NORMAN, David A. Alternative RADEF logistical systems, 23:43512 (AD-687388)
NORMAN, E. Uptake of ^3H-labelled toluidine blue and neutral red in parathyroids of the dog, 25:16017
NORMAN, E. L. Linear programming model for forest production control at AEC Oak Ridge reservation, 23:9287 (ORNL-4349)
NORMAN, Edgar C. Summaries of fast reactor fuels and materials development programs, 21:2896 (TID-6506(Pt.3)(4th Ed.))
NORMAN, Eugene Time eigenvalues in hydrogen gas and their analytic error estimates, 23:4408
NORMAN, G. Qualitative and quantitative isotopic analysis of ethyl groups containing both hydrogen and deuterium (CH/sub x/D/sub 3-x/CH/sub y/D/sub 2-y/—) by combined NMR and mass spectroscopy, 22:22974
NORMAN, G. E. Continuous spectra of atomic gases and plasma, 21:41787
Determination of photoionization cross sections according to oscillator spectral lines, 21:5292
Invalidity of the classical description of degenerate dense plasmas, 22:41615
Metal—nonmetal transition and possible phase transition in dense (strongly imperfect) plasma, 25:38434
Possibility of existence of supercooled dense plasma, 24:26206
Possibility of phase transitions in an imperfect multiply ionized plasma, 25:14304
Statistical theory of dense plasma, 23:51621
Thermodynamics of a strongly nonideal plasma, 25:7377
Thermodynamics of dense plasma, 25:49902
NORMAN, G. R. Project Gasbuggy operational experiences, 23:15998 (UCRL-71356)
NORMAN, J. Effects of intracorporeal heat and radiation on dogs, 25:26931
NORMAN, J. C. Energy and angular dependence of differential cross sections for $^{16}O(^{16}O,\alpha)^{28}Si$ reaction, 24:1770
In-vivo studies of ^{238}Pu capsules, 23:35892
Nuclear fuel capsule for artificial heart, 23:38205
Reaction $^{28}Si(^4He,^{16}O)^{16}O$, 21:35450
Studies on dogs with implanted ^{238}Pu sources, 25:4432
Threshold effects in $^{40}Ar(d,p)^{41}Ar$ reaction, 24:3900
NORMAN, J. G. Jr. Crystal and molecular structure of chlorobis-(dimethylglyoximato) triphenylphosphinerhodium(III), 24:33586 (MIT-1965-78)
NORMAN, J. H. Deposition of iodine on low chromium alloy steel, 23:52343
Diffusion of radioactive nuclides in molten silicates, 24:8190
Diffusional behavior of strontium in graphite, 23:36232
FREVAP-8 computer code for calculating the release of metallic fission products, 23:28413 (GA-8476)
Henry's law constant measurements for fission products absorbed in silicates, 22:31503
Henry's law constants for dissolution of fission products in a silicate fallout particle matrix, 21:12529 (GA-7058)
Optimizing activity separation in fission product decay chains, 22:49023 (IS-1893)
Prog. rpt. on high-temperature chemistry of fission-product elements, 8/63—7/64, 21:46 (GA-5611)
Relative electron impact ionization cross sections by a double crossed-beam technique, 24:28111
Thermodynamics of adsorption of mixed metallic elements on graphite at high temperature, 21:36822 (GA-7968)
NORMAN, Jack C. Geochemistry of Sc: comparison to rare earths and Fe, 22:10193
NORMAN, John C. Implantable nuclear fuel capsules for artificial hearts, 23:16419
Implantable nuclear power sources for artificial organs: preliminary pathologic effects. II, 25:21848
Intracorporeal ^{90}Sr—^{241}Am/Be sources simulating radiation fields from nuclear-powered artificial hearts, 24:46663
Simulated radiation fields from ^{238}Pu-fueled artificial hearts, 24:17147
NORMAN, John H. Calculational model for condensed state diffusion controlled fission product absorption during fallout formation, 21:28098 (GA-7598)
Cloud chemistry of fallout formation, 23:47641 (AD-690189)
Cloud chemistry of fallout formation, 25:8362 (AD-707427)
NORMAN, John Roy Improvements in the irradiation of materials, 23:7663 (NP-tr-1711)
Means for irradiating materials, 24:36298
NORMAN, K. D-region measurements during a solar eclipse, 21:39900
Electron density measurements in the thermal plasma of the magnetosphere, 25:27566
Rocket studies of sporadic-E ionisation, 23:42074
NORMAN, Kenneth George Improvements in or relating to apparatus for determining the direction of a nuclear explosion, 25:35058
Improvements in or relating to nuclear explosion detection systems, 24:348
NORMAN, L. W. Application of the Brayton cycle to nuclear electric space power systems, 22:7880
NORMAN, M. Electronic state of cerium in some palladium alloys, 22:36494
Lattice spacings and atomic diameters in ternary systems Th and Ce with Y, La, Gd, and Er, and by Th, Pr, and Y, 21:31051
Lattice spacings and effective atomic diameters in the ternary system Th—Ce—Zr, 21:26840
Lattice spacings of some αPd—X solid solutions, 24:46745
Lattice spacings of Th-rich solid solutions with Pr, Sm, Gd, and Er, 21:3521
Palladium—In, Pt—In, and Pt—Fe alloys, 23:14357
NORMAN, N. Clinical importance of plasma growth hormone determinations in adults, 24:48364
NORMAN, Roy E. Process of preparing oxide microspheres, 25:49516
NORMAN, Scott L. Far-infrared absorption spectra of thick superconducting films, 22:17549
New measurements of the electromagnetic absorption spectrum of superconducting lead, 21:16891
Structure in the precursor absorption in superconducting lead, 21:707
NORMAN, Victor D. Effect of cold exposure on serum thyrotropin, 24:25413
NORMAN, Wendell Electrical characteristics of gasdynamic boundary layers in seeded diatomic gases, 23:1405 (AD-671528)

NORMAND, E. Approximate calculations for the disappearance of discrete decay modes, 23:37087
  Radiation transport analyses of nuclear rocket engine components, 25:6128
NORMAND, Eugene Degenerate-kernel calculations of time eigenvalues in neutron thermalization, 25:22958
NORMAND, Georges Nuclear fuel assembly, 24:20648
NORMAND, J. Analysis of uranium alloys by atomic absorption, 22:50911
  Industrial nuclear electronic developments of the CEA, 23:16080 (CEA-CONF-1189)
NORMAND, M. J. Advances in the analysis of polyphenyl mixtures, 21:21716
NORMANTON, A. S. Disproportionation of zirconium trihalides, 24:2988
NORMARK, Staffan Mutant of E. coli, 23:24593
  Mutation of E. coli K-12, 23:50428
NORMENT, H. G. Prog. rpt. on improved land-surface fallout model, I, final, 3/31/65—1/31/67, 21:22034 (AD-643534)
NORMURATOV, F. Estimate of the lifetime of the excited compound nucleus in reaction W(^{22}Ne,f) (experiment), 25:53795
  Experiments on measurement of compound nucleus lifetime in W(^{22}Ne,f) reaction, 25:20370 (JINR-P7-5512)
  Mass distribution of fission fragments of Bi and U nuclei by heavy ions, 22:24857 (JINR-P7-3732)
  Mass distribution of fragments at fission of Bi and U nuclei by heavy ions, 23:8977
  Mass distribution of the fission fragments of the bismuth and uranium nuclei by heavy ions, 23:42908 (ANL-Trans-747)
NORO, Kenji Method for producing spherical ceramic particles for the high density vibration packing, 22:19620
NORO, Yasuyuki Intermediates and products in the radiolysis of phenyl acetate, 24:11613
  Radiation-induced polymerization of gaseous isobutene, 23:255
  Radiation-induced reaction of isobutene in gas phase, 24:44050
NORONHA, J. M. Effect of x radiation on the absorption of naturally-occurring folates, 25:46724
  Folate metabolism in the x-irradiated rat, 24:25395
NORONHA, O. P. D. Radioiodinated synkol as a tumour-localizing agent, 23:48114
NORRBY, J. Power supply in Sweden in the 1970's, 22:20818 (NP-17271)
NORRBY, L. J. Crystal structure of Zr_2Se, 22:38639
NORRBY, S. Table of calculated gamma-dose-rates from some common isotopes, 23:40950 (UUIP-637)
NORRELL, Horace Clinicopathologic analysis of cryohypophysectomy in patients with advanced cancer, 24:32073
NORREYS, John Jephson Fuel materials for nuclear reactors, 23:14383
  Improvements in or relating to fuel materials for nuclear reactors, 22:52251
NORRIS, A. C. Apparent densities of small amounts of solids, 25:317
  Deposition of pyrolytic carbon in silica reactors, 25:55604
NORRIS, A. E. Products from thermal fission of ^{235}U, 24:30806
  Products from thermal—neutron induced fission of ^{235}U, 24:18407 (COO-1162-35)
NORRIS, C. Optical excitation of 4f electrons in Yb, 24:28080
NORRIS, C. B. Electric field profile and electron drift velocities in lithium-drifted silicon, 23:26535
NORRIS, C. B. Jr. Observation of localized radiation damage in silicon, 23:18743
NORRIS, Charles M. "Untreated" carcinoma of the larynx, 23:29675
NORRIS, D. I. R. Characters of defect clusters in irradiated metals, 23:22608
  Conference on voids formed by irradiation of reactor materials, Reading, Eng., 3/71, 25:58304
  Depth distributions of vacancy clusters in ion bombarded Au and Ni, 23:34034
  Dislocation loop growth in an electron irradiated thin foil, 25:13732
  Dose dependence of swelling in electron irradiated nickel, 25:30652
  Electron microscopy of heavy ion damage in aluminum and nickel, 21:40118
  Further comments on vacancy and interstitial clusters in neutron-irradiated nickel, 21:33529
  Growth of voids in nickel in a high-voltage electron microscope, 25:16551
  Simulation of fast reactor irradiation effects in the high voltage electron microscope, 25:58326
  Spatial distribution of vacancy clusters in ion-bombarded metals, 24:42795
  Use of the high voltage electron microscope to simulate fast neutron-induced void swelling in metals, 25:40090
  Use of the high voltage electron microscope to simulate fast neutron induced void swelling in metals, 25:52410 (RD/B/N-1879)
  Voids in nickel irradiated with electrons after previous argon ion bombardment, 24:44750
NORRIS, David O. Depression of growth following radiothyroidectomy of salmon and trout, 23:29801
NORRIS, David Ott Radiothyroidectomy in the salmonid fishes Salmo gairdnerii Richardson and Oncorhynchus tshawytscha Walbaum, 21:36744
NORRIS, E. B. Analysis of data from symposium on heat-treated steels for elevated temperature service, 21:39640
  Examination of upper liquid level line from Elk River Reactor, 24:8058 (SwRI-1228-P-9-16)
  First inspection of Elk River reactor pressure vessel after operation, 21:30170 (SwRI-1228-9-8)
  In-service inspections of the Elk River power reactor, 24:7042
  Influence of neutron irradiation on properties of steels and welds, 21:13215 (SwRI-1228-P-4-28)
  Influence of neutron irradiation on properties of steels and welds typical of ERR, 22:30159 (SwRI-1228-P-9-15)
  Inspection of boron carbide regulating and control rods in Elk River Reactor, 21:44858 (SwRI-1228-P-9-14)
  Inspection of Elk River Reactor pressure vessel after operation, 21:44857 (SwRI-1228-P-9-13)
  Low cycle fatigue tests on ATR piping system mock-ups, 23:40396 (TID-25139)
  Prog. rpt. on serviceability of Elk River reactor pressure, 7—9/66, 21:7898 (SwRI-1228-P-4-25)
  Proposed changes in technical specifications for Elk River reactor system, 21:23618 (SwRI-1228-P-4-29)
  Repair of primary pressure system piping in a nuclear power plant, 25:37931 (CONF-710512-11)
  Surveillance and inspection programs for LACBWR reactor pressure vessel, 22:42207 (SwRI-1228-P-11-6)
  Transition temperatures of selected materials from LACBWR main steam and forced recirculation systems, 21:34895 (SwRI-1226-P-7-37)
NORRIS, J. Helium line strenghts in the spectrum of variable α—Centauri, 22:52335
NORRIS, J. D. Multi-element atomic fluorescence spectroscopy. IV, 25:51378
NORRIS, J. M. Prevention of failure, 24:45844
  Prevention of failure, 25:18095 (WHAN-SA-38)
NORRIS, James F. Method for determining the fracture strengths of low-ductility materials subjected to shock-wave loading, 25:32684 (RFP-1554)
NORRIS, John Neutral-He line strengths. I, 24:21457
  Neutral-He line strengths. II, 24:21453
  Neutral-He line strengths. III, 24:21454
  Neutral-helium line strengths. IV, 25:45180
  Neutral-helium line strengths. V, 25:45181
  Neutral-helium line strengths. VI, 25:45182
  Rotational velocities of G and K giants in Hyades moving group, 25:30046
NORRIS, John A. Computers in analytical chemistry. 1968 Eastern analytical symposium, New York, N. Y., November 13—15, 1968, 25:2060
NORRIS, L. Fredrick Feasibility study of secondary emission electron microscopy for examining materials containing dispersed oxide particles, 21:13272 (N-66-37678)
NORRIS, Michael J. Note on uniqueness for a one-dimensional two-body problem of classical electrodynamics, 21:23303
NORRIS, N. J. Picosecond beam monitors and data acquisition system, 23:28165
  Velocity modulation system for enhancement of 50 picosecond radiation pulse, 23:28011
NORRIS, R. E. Spatial and seasonal distributions of marine algal communities at Amchitka Island, Alaska, 25:49139
NORRIS, R. J. Material worth measurements in benchmark critical assembly on ZPPR, 25:6115
  Predicted characteristics with actual observation for ZPPR-2, 25:6113
NORRIS, S. C. Is there a black hole in epsilon Aurigae, 25:32887
NORRIS, Stanley E. Correlation of carbonate rock units in northwest Ohio by natural γ logging, 23:31426
NORRIS, T. H. Half-life of ^{35}S, 22:46757
  Prog. rpt. on a generalized acid-base phenomena in non-aqueous ionizing solvents with radioactive tracers, final, 7/69, 23:43292 (RLO-244-8)
NORRIS, W. H. Apparatus and procedure to determine density and structural distributions in carbons and graphites, 24:39716
NORRIS, W. P. Fixation of ^{137}Cs by urinary calculi, 23:35618
  Myeloproliferative disease in irradiated dogs, 25:585 (CONF-680529-, pp 219-41)
  Response of beagle dog to ^{60}Co gamma radiation, 23:29757
NORRIS, W. T. Calculation of hysteresis losses in hard superconductors, 25:56101
  Hysteresis losses in hard superconductors carrying ac, 24:23917
  MHD plant, combustion techniques, and seeding. XIX, 22:5202
  Superconductive composites: heat transfer and steady state stabilization, 23:42206
NORRIS, William P. Cesium-137 retention in dogs, 24:23078 (CONF-690501-, pp 191-205)
  Cesium-137: current status and late effects, 23:45897 (ANL-7535, pp 163-6)
  Myeloproliferative disease in beagles given protracted whole-body irradiation or single doses of ^{144}Ce, 23:45896 (ANL-7535, pp 162-3)
  Response of beagle dogs to protracted exposure to gamma rays, 23:45891 (ANL-7535, pp 151-3)
  Response of beagle dogs to protracted exposure to γ rays. II, 23:45892 (ANL-7535, pp 156-7)
  Thermoregulatory capabilities of normal, aged, and irradiated beagles, 23:45898 (ANL-7535, pp 166-9)
  Thyroiditis in a closed colony of beagles, 23:45794 (ANL-7535, pp 173-4)
NORRIS, William Tobias Improvements in or relating to magnet systems using superconducting windings, 22:11403
NORRISH, K. Accidental radiation burns from superficial x-ray equipment used in scientific laboratories, 23:24757
NORSEEV, Yu. V. Adsorption of astatine on platinum from nitric acid solutions, 21:10335
  Adsorption of monovalent astatine cation by cesium phosphotungstate and hydrated tungsten oxide from nitric acid solutions, 25:4053 (ANL-Trans-861)
  Alpha decay of ^{211}Rn and ^{212}Rn, 24:28773 (JINR-P6-4972)
  Astatine, 21:47 (JINR-P-2895)
  Astatine-211, ^{211}Po, ^{210}At, ^{209}At, and ^{207}At α spectra, 23:8976 (JINR-P6-4079)
  α decay of neutron-deficient radon isotopes, 25:43887 (JINR-P6-5791)
  Chemical changes during electron capture of ^{123}Xe in certain inorganic systems, 24:38987
  Chlorine complexes of monovalent astatine cation in nitrate solutions, 22:2029 (JINR-P12-3529)
  Determination of the boiling point of astatobenzene, 25:8259 (ANL-Trans-869)
  Determination of the boiling point of some isoalkyl astatides by using a glass gas chromatograph, 25:34604 (JINR-P6-5683)
  Inorganic and organometallic forms of astatine, 21:42928
  Investigation of new inorganic and heteroorganic forms of astatine, 25:6291 (ANL-Trans-863)
  New levels of ^{204}Bi from the α-decay of ^{208}At, 24:1821 (JINR-P6-4615)
  Reaction with benzene of ^{123}I and ^{211}At formed from the noble gases during K-capture, 25:8284 (ANL-Trans-870)
  Reactions of ^{123}I and ^{211}At with benzene during K capture from noble gases, 24:38946
  Stability constants of chloride complexes of mono-valent astatine in nitric acid solution, 23:7507
NORSETH, Tor Biotransformation of methylmercury salts in rat, 24:9209 (UR-49-1207)
NORTH, A. A. State of the technology of processing low grade uranium ores, 22:40273
  Status report of the United Kingdom, 22:18990
NORTH, Alastair M. Transfer and storage of energy by molecules. I, 24:16536
NORTH, Carol Unusual chromosomal findings in a case of myelofibrosis, 23:31986
NORTH, D. T. Radiation-induced sterility in adult male cabbage looper, 24:32327
NORTH, David T. Inherited sterility in progeny of irradiated male cabbage loopers, 22:43464
NORTH, Donald C. Jr. Fuel element-control rod assembly, 23:9245
NORTH, E. L. PAPA: structural analysis of plates and shells using trapezoidal and triangular plate elements, 21:34187 (GEAP-5471)
NORTH, G. R. Convergence of perturbation theory for static models, 24:45581
  Coupling-constant analyticity in the charged-scalar static model, 25:14791
  Study of calibration, resolution, and transmission of electrostatic velocity selector, 25:18843
  Two-channel model for electron transfer in ion—molecule collisions, 24:5005
NORTH, George G. Stabilized levitation of magnetic elements, 24:47273
NORTH, Gerald R. Bronzan's two-meson solution of charged scalar static model, 24:18156
  Dynamics in Bronzan—Lee model, 22:26625
  Static model using crossing-symmetric off-shell equations satisfying two-particle unitarity, 24:18205
  Strong-coupling solution of the Lee model, 22:11652
  Tests of saturation in strong coupling theory, 22:34995
NORTH, Gerald Raymond Symmetry breaking in the strong-coupling limit, 22:9668
NORTH, J. C. Channeling study of B-implanted Si, 25:19834
  Channeling study of boron-implanted silicon, 24:19957
NORTH, J. M. Experiments on preparation and fabrication of UC and (UPu)C, 21:32958
NORTH, James Clayton Length changes in electron-irradiated germanium, 21:2333
NORTH, John Malcolm Improvements in or relating to production of particulate refractory material, 24:1073
NORTH, Luceil B. Effect of radiation on lung, 24:21310
NORTH, R. S. Boilers for nuclear power stations. Pts. A and B, 23:45100 (CONF-681064-4)
NORTH, Wendy A. Brain scanning in cerebral vascular disease, 23:16345
  Radionuclide imaging in the detection and differential diagnosis of craniopharyngiomas, 24:48612
NORTHBY, J. A. Detection of a vortex-free region in rotating liquid He II, 24:42619
NORTHBY, Jan Arwood Photo-ejection of electrons from bubble states in liquid He(II), 21:33290 (COO-1112-114)
  Photo-ejection of electrons from bubble states in liquid helium II, 22:1128
NORTHCLIFFE, L. C. Charge-state distributions of Br and I ions emerging from solids and gases in energy range 20 to 150 MeV, 23:16642
  Equilibrium charge states of Br and I ions in solids and gases at 10 to 180 MeV, 23:10461
  Evidence of shell effects and the approach to equilibrium in the charge-state distributions for 15 to 160 MeV ^{79}Br and ^{127}I ions in C, 21:9317
  Measurement of neutron energy spectra, 24:36602
  Neutron spectra from the 38.8-MeV alpha-particle bombardment of deuterium, 25:25632
  Proton—proton bremsstrahlung at 47 MeV, 23:15498
  Proton—proton bremsstrahlung at 61.7 MeV, 22:26796
  Proton—proton bremsstrahlung at 65 MeV, 23:30930
  Range and stopping-power tables for heavy ions, 24:25971
  Stopping powers for iodine ions at energies up to 200 MeV, 21:37545
NORTHCOTT, D. Secondary deuterium isotope effect in ionization of trimethylamine-d_9 in water, 23:33172
NORTHOVER, E. W. New high-stability nickel alloy thermocouple, 25:57876
NORTHROP, D. C. Ohmic contacts between evaporated aluminum and n-type silicon, 25:46623
NORTHROP, T. G. Charged particle diffusion by violation of the third adiabatic invariant, 22:3009
  Charged particle diffusion by violation of the third adiabatic invariant, 23:44288
  Charged particle energization by an arbitrarily moving magnet, 22:13337
  Emission of plasma waves by the Earth's bow shock, 22:17464
  Stability of tangential discontinuities, 25:887

Stationary waves produced by earth's bow shock, 24:8390 (N-69-37680)
Stationary waves produced by Earth's bow shock, 25:7225
NORTHROP, Theodore G. Adiabatic charged particle motion, 21:9535
Magnetic field geometry and the adiabatic invariants of particle motion, 21:724
NORTHRUP, C. J. M. Jr. HECON computations for diffusion of helium in alpha-emitting isotopes, 23:40949 (SC-RR-69-103)
Helium diffusion in ^{238}PuO$_2$, 25:11501
HELIUM: program to calculate helium released in fuel capsules containing alpha-emitting isotopes, 24:2399 (SC-RR-69-502)
Transit analysis, 24:4840 (SC-RR-69-662)
NORTHRUP, T. E. Fort St. Vrain PCRV, 24:45856
NORTHUP, T. E. Concrete reactor vessels, 23:15596
Effects of temperature on a prestressed concrete reactor vessel model, 23:7387 (GA-8776)
Effects of temperature on a prestressed concrete reactor vessel model, 25:25976
Fort St. Vrain prestressed concrete reactor vessel, 22:30149 (GA-8623)
Fort St. Vrain prestressed concrete reactor vessel, 23:28397
Fort St. Vrain: prestressed concrete reactor pressure vessel, 24:9058
PCPV model: pressure test and evaluation, 22:16315 (GA-7301)
Pressure and temperature tests and evaluation of a model prestressed concrete pressure vessel, 24:11748 (GA-9673)
Pressure test and evaluation of a model pressure vessel, 23:11213
Prestressed concrete nuclear reactor vessels, 24:26767
NORTHWOOD, D. O. Influence of Al on the stability of quenched β—Zr—Mo, 24:42108
Strain induced martensitic transformation in Zr/3 wt percent Mo/1 wt percent Al, 25:16540
NORTON, A. Proton—proton interactions at 6 GeV/c, 22:32058
NORTON, B. E. Subassembly Test Program outline for FY 1969 and 1970, 23:47268 (IN-1313)
NORTON, B. M. Quantum yield temperature coefficient of uranyl oxalate actinometer, 21:12423
NORTON, D. S. Format of binary tapes of U.K.A.E.A. nuclear data library, 22:1558 (AEEW-M-774)
Modifications to GROD, 21:11915 (AEEW-M-683)
U.K.A.E.A. nuclear data library, 1/67, 22:35195 (AEEW-M-802)
NORTON, E. Experimental evidence for double-beta decay of ^{130}Te, 22:32655
NORTON, Edwin R. Performance of sieve trays under GS heavy water process conditions. II, 21:28126 (DP-1025-II)
NORTON, Elinor F. Chemical yield determinations in radiochemistry, 21:32213 (NAS-NS-3111)
Neutron activation method for determination of Th in rocks and minerals, 25:48491
NORTON, F. H. Refractories, 23:8260
NORTON, F. J. Krypton diffusion in scintillation counter plastic, 22:25640
NORTON, H. Decay $\Sigma^{+-} \rightarrow \Lambda e^{+-}\nu$, 23:21045
NORTON, H. W. Comparison of ^{40}K method with other methods of determining carcass lean muscle mass in steers, 23:22209
Factors affecting ^{40}K measurement in whole body and body components, 23:22214
Maintenance of ovine corpora lutea in the absence of ovarian follicles, 25:16324
Symposium on atomic energy in animal science. II, 21:30788
NORTON, Herbert Sigma leptonic branching ratios, 23:51842 (NEVIS-175)
NORTON, J. L. Separable approximations to matrices and functions of two variables, 25:41024
Shape of the island of superheavy nuclei, 25:50839
NORTON, John L. Realistic and effective interactions in light nuclei. I, 25:25823
Realistic and effective interactions in light nuclei. I, 25:53604 (COO-1120-113)
NORTON, L. J. Equiatomic ternary compounds of U and Al with group VIII transition elements, 21:16618
NORTON, M. G. Infrared and Raman spectra and vibrational assignment of methylene cyclopropane-h$_4$ and -d$_4$, 25:18402
Normal coordinate calculations of vibrations of methylene cyclopropane-h$_4$ and -d$_4$, 25:51440
NORTON, P. R. Conversion and equilibration rates of hydrogen on nickel, 21:8297
Hydrogen isotope equilibration on gadolinium films, 23:26234
NORTON, R. Simple photomultiplier performance monitor, 22:14885
NORTON, R. B. Absorption of solar x rays and density changes between 140 and 160 kilometers, 22:2962
Middle-latitude F region during ionospheric storms, 23:44318
Seasonal variation of molecular oxygen near 100 kilometers, 22:47986
NORTON, R. E. Model for weak interactions, 23:46675
NORTON, Richard B. Diffusive equilibrium in the topside equatorial ionosphere, 21:15044
Observations during middle-latitude red arc, 23:44321
Theory of nitric oxide in Earth's atmosphere, 24:39949
NORTON, Richard Bryce Ionized constituents in earth's upper atmosphere, 22:36834
NORTON, Richard E. Current commutators and electromagnetic mass differences, 22:50334
Current commutators and electron scattering at high momentum transfer, 23:18853
Diseases of infinite-component field theories, 21:37914
Electromagnetic corrections to the weak $\Delta S = 0$ vector coupling constant, 21:25265
Observable effects of the leading Landau singularity of the box graph, 21:42351
Radiative corrections to Fermi decays and universal coupling of weak interactions, 23:15061
Radiative corrections to Fermi part of strangeness-conserving β decay, 22:22374
Scaling, fixed poles, and electroproduction sum rules, 25:14614
Two asymptotic sum rules for electroproduction and photoproduction, 24:28512
Universality of the weak vector coupling constant, 24:33000
NORTON, T. G. Excitation of the $3^{1,3}$D and $4^{1,3}$F levels of He by direct electron impact, and $4^1\text{P} \rightarrow 4^{1,3}\text{F}$ collisional transfer, 23:20704
NORVAL, E. Determination of Ba and Sr by atomic-absorption spectrometry, 23:7487
NORWITZ, G. Infrared spectra of inorganic nitrates in acetone solution, 23:35101
NORWITZ, George Infrared determination of barium, strontium, and calcium carbonates, singly and together, by the pellet technique, 25:28972
NORWOOD, Frederick Reyes Seismic waves from finite buried sources in the elastic earth, 25:23472 (SC-DR-70-836)
NORWOOD, Joseph Jr. Calculation of the effect of viscous drag on the performance of a coaxial plasma gun, 21:27197 (N-67-15960)
Causes of magnetic-field nonuniformity and its effect on stability of theta-pinch plasma, 23:34454 (N-69-20997)
Force-free hydromagnetic dynamic stability, 23:32215 (MIAPH-AP-68.8)
Introduction to plasma vortices, 24:28272 (AD-700107)
Preheating of plasma in a megajoule theta-pinch experiment, 23:16767 (N-68-33372)
Production and propagation of plasmoids in a nonlinear Alfven wave, 22:36924
Stability of high-density plasmas in magnetic containment devices, 23:25376
Stabilization of plasma in a theta pinch, 22:29531
Variational approach to the classification of nonlinear magnetohydrodynamic waves and plasmoids, 21:44053 (CONF-670434-1)
Variational approach to the classification of nonlinear magnetohydrodynamic waves and plasmoids, 22:1194 (LA-3770, Paper F4)
Variational approach to the dynamic stability of high density plasmas in magnetic containment devices, 22:17701 (MIAPH-PL-67.10)
Variational approach to the dynamic stability of high-density plasmas in magnetic containment devices, 22:39139 (MIAPH-PL-68.3)
NORWOOD, T. E. Energy bands of VO, 24:42832
NORWOOD, W. D. Conference on diagnosis and treatment of deposited radionuclides, Richland, Wash., 5/67, 23:24624
Experimental radiosurgery for care of injured radiating patients, 23:24660
Fact and fiction about health and atomic power plants, 25:32434
Medical care for accidental deposition of ^{239}Pu in body, 24:7941
Tissue analysis for plutonium at autopsy, 21:36567 (BNWL-SA-1232)
Tissue analysis for plutonium at autopsy, 23:24649
U. S. Transuranium Registry, 25:6621 (BNWL-SA-3307)
NORWOOD, William D. Radiation casualties. Emergency plans and medical care, 25:46874
NORWOOD III, Thomas Ellis Energy bands of vanadium oxide, 25:12044
NORZ, L. Cytogenetic observations with reference to a case of erythremia treated by general teleirradiation, 22:49290
NOSACHEV, L. V. Characteristics of multi-electrode probe for measuring rarefied plasma, 24:1376
Investigation of the structure of trajectories behind spherical models in currents of rarefied plasmas, 22:44009
NOSAKI, Manabu Necessity of purification of commercial radioiodinated lipids in the absorption tests, 24:32069
NOSAL, E. A. Quantum Statistics of a charged Bose gas in the ground state, 24:3056
NOSAL, M. Radiation protection measures for decontamination of aircraft, 22:28470
NOSAL, V. N. Values of the fundamental physical constants according to agreements in 1969, 25:20905
NOSAN, Martin Blood basophil counts of x-irradiated rabbits, 24:25565
NOSAU, G. A. Critical assembly for studying pure U—water lattices, 22:7902 (JPRS-43049)
NOSE, Hiroshi Superconductivity of niobium films, 23:18554
NOSE, S. Heat transfer to liquid helium in simulated channels of superconducting pancake coil, 25:45391
NOSEDA, Giorgio Blood flow measurement through single coronary arteries by roentgen densitometry. Part II. Right coronary artery flow in conscious man, 24:29816
Blood flow measurement through single coronary arteries by roentgen densitometry. Part I. A comparison of flow measured by a radiologic technique applicable in the intact organism and by electromagnetic flowmeter, 24:29819
NOSEK, J. Erythrocytes of miners in U mines, 24:14515
Haemolysis of red blood cells in propylene glycol solutions in miners from uranium mines, 25:26588
Hazards of small doses of ionizing radiation, 23:48250
Howell Jolly bodies in subjects exposed to small doses of ionizing radiation, 24:36712
Inorganic phosphorus in red blood cells of miners in uranium mines, 25:26582
Lipemia in the blood of U mines employees, 23:50360
Lymphograms of miners in U mines, 23:38659
Methaemoglobin reduction test in adult erythrocytes of miners from uranium mines, 25:47017
Normoblasts of persons exposed to ionizing radiation, 23:43895
Red Blood corpuscles of U mine employees, 24:17058
Reticulocytes in the blood of miners working in uranium mines, 23:43904
Urine of workers in U ore plant, 23:38606
NOSEK, Jaroslav Determination of microgram concentration of U in urine of personnel in U ore concentration plant by means of chlorophosphonazo I, 23:28688
NOSEK, M. V. Phase diagram of Bi—Cd—Hg, 25:19236
NOSENKO, A. E. Effects of x irradiation and heat treatment in different atmospheres on the optical and luminescence properties of cadmium tungstate, 21:21067
NOSHKIN, V. Radioisotopes, 24:19113
NOSHKIN, V. E. Activation analysis for determination of stable elements in marine aerosols, 24:108
Ocean fallout: Crater Lake experiment, 24:16696
Ratios of ^{95}Nb to ^{95}Zr in over-ocean fallout, 22:48954
NOSHKIN, Victor E. Fallout ^{90}Sr in Atlantic Ocean surface waters, 22:42914 (NYO-2174-77)
Land run-off and fallout in the oceans, 24:44146 (HASL-217, pp I.119-29)
Radioactive fallout in over-ocean aerosols, 21:30544 (NYO-2174-56)
Separation of Sr from Ca for radiostrontium analysis, 21:10275
Strontium-90: concentrations in surface waters of Atlantic Ocean, 23:29030
Transport of ^{90}Sr towards the equator at mid-depths in the Atlantic Ocean, 21:4636
NOSIKOVA, S. M. Radioisotope scintiphotography in brain diseases, 25:32504
NOSKIN, V. A. Superconductivity of some alloys of the tungsten—rhenium—carbon system, 22:19922
NOSKOV, A. G. Prophylaxis and treatment of skin injuries from radiotherapy with cigerol ointment, 21:20240
NOSKOV, D. A. Discharge type ion source with magnetic bunching, 24:37979 (AD-703308)
Explosion-like processes during impulsed treatment of materials by electron beams, 25:35515
Explosion-like processes during the pulsed treatment of materials by an electron beam, 25:32846 (SC-T-713017)
NOSKOV, M. M. Influence of magnetic transition on Faraday effect in EuO, 25:25241
Optical properties of Gd, Sm, and Dy in spectral range 1.13 to 3.96 eV, 25:59187
Optical properties of molybdenum single crystals, 25:52962
Optical properties of tungsten single crystals, 25:27899
NOSKOVA, L. M. Relation of crystalline and magnetic structures in heavy rare earth metals, 22:29580
NOSKOVA, R. I. Absolute spectrophotometry of some infrared lines in planetary-nebula spectra, 23:36323
Comparison of descriptions of galaxies, 22:45904
NOSKOWICZ, Simon Henri Goldstone—Nambu bosons in dual and parton theories, 25:50132
NOSLER, J. C. Clean ^{238}Pu from ^{237}Np irradiation, 23:33333 (DUN-SA-84)
Clean ^{238}Pu from ^{237}Np irradiation, 23:35426
NOSOKHIN, Yu. V. Electrochemical behavior of thorium in molten sodium chloride and an equimolar mixture of potassium chloride and sodium chloride, 25:6293 (IS-Trans-84)
NOSOV, I. G. Efficiency of electric power generation with open-cycle MHD generators, 25:52705 (IAE-2021)
NOSOV, V. D. Technological studies of the extraction of uranium and other valuable components from uranium-containing bituminous shales, 25:23689
NOSOV, V. G. Excitation of vibrational levels of even-even nuclei in alpha decay, 21:40495
Excitation of vibrational levels of even—even nuclei in α decay, 21:46786 (IAE-1266)
Instability of a spherical configuration in the simplest nuclear model, 24:15984
Phase transformation of spherical into nonspherical nuclei, 21:44800
Phase transition in heavy nuclei, 23:4042 (IAE-1465)
NOSOV, V. I. Analytical method for calculating of small dimension two-region heterogeneous reactors, 22:18089
Efficiency of control-rod system arranged in core and reflector of reactor simultaneously, 21:21658
Heterogeneous reactors flattening by fuel rods arrangement, 24:18620
NOSOV, V. M. Investigation of 35 MeV electron radiation influence upon physical properties of Ge, 21:32943
NOSOVA, G. M. Investigation of x- and gamma-ray spectra in scintillation radiography, 25:46624
NOSOVA, G. N. Propagation on one-hop radio links in presence of f$_0$F$_2$ gradients, 25:22439
NOSOVA, L. I. Extractive photometric determination of niobium, 22:45015
NOSOVA, Z. A. Foamed ceramics made of molten quartz and Zr, 24:14883
NOSSAL, G. J. V. Cell to cell interaction in the immune response. III, 23:6378
Effects of radiation on antibody formation, 21:41317
Effects of x irradiation on antigen localization in lymphoid follicles, 21:30882
Prog. rpt. on x-irradiation and immune response, 1966—69, 23:35662 (NYO-3695-3)
NOSSEIR, Salah Study of the response of backpacking material encasing a tunnel liner subjected to a dynamic disturbance, 21:41180 (AD-647006)
NOSSLIN, B. Evaluation of hepatic regeneration by scintillation scanning, 24:29811
NOSUE, Takenobu Pathological studies of radioactivity effects in body disturbances. II, 22:10837
NOSYREVA, I. A. Oscillations in a low-pressure Penning discharge, 25:36242
NOSZKO, L. Effect of cation on the exchange reaction in the ketonic pyrolysis of mixtures of aliphatic carboxylates, 25:20979
Secondary kinetic isotope effects in the solvolyses of 2-(2,4-dimethoxyphenyl)-1,1-d$_2$-ethyl and 2-(3,5-dimethoxyphenyl)-1,1-d$_2$-ethyl p-bromobenzenesulfonates, 21:1367

- NOTA, G. Gas chromatographic determination of isotopic molecules by means of open tubular thick layer graphitized carbon black columns, 22:27874
- NOTANI, N. K. Effect of heavy water on radiosensitivity of maize and barley seeds, 23:16356
  - Effect of moisture stabilization period on radiosensitivity of barley seeds, 23:10113
  - Recovery from gamma radiation injury in barley seeds, 23:31995
- NOTARI, A. Measurement of turbulent flow using radioactive isotopes, 22:21291
- NOTARI, G. V. Nuclear reactor fuel element, 22:50874
- NOTARIO, A. Behaviour of mitochondrial fatty acids in rat liver following total body lethal and sublethal irradiation, 22:33733
  - Electrophoretic behavior of certain enzymatic proteins of liver and heart of albino rats, 24:16988
  - Influence of roentgen irradiation of protein patterns of blood, bone marrow, and hepatic tissue of rats, 22:446
  - Radiation effects on hepatic utilization of cystine—^{35}S in rats, 23:797
  - Renal LDH, GOT, MDH, and LAP values in normal and whole-body irradiated rat, 24:29715
  - Ultrastructural myocardial changes in the total body-irradiated albino rat, 24:34084
  - Variations in soluble proteins and fats in total-body irradiated albino rat myocardium, 22:40579
- NOTARIO, Antonia Ultrastructural changes in bone marrow lympho-monocytic and myeloblastic elements in whole-body irradiated rats under different conditions, 24:36829
- NOTARISTEFANO, A. Blood coagulation changes caused by ^{131}I, 25:32607
- NOTARO, F. Prog. rpt. on thermal insulation, 6—8/68, 23:6258 (ALO-3632-33)
  - Prog. rpt. on thermal insulation, Phase II, final report, 9/67—9/70, 25:38005 (ALO-2832-43)
- NOTARO, J. Design features of ac superconducting cables, 25:14226
- NOTARRIGO, S. Activation cross sections of Mo isotopes for 14.1 MeV neutrons, 22:1689
  - Activation cross sections of N = 82 isotones for 14-MeV neutrons, 22:9889
  - Energy spectra of Am—Be and Pu—Be neutron sources, 23:15344
  - Fresnel diffraction patterns in ^{26}Mg(^{3}He,α)^{25}Mg reaction at 5 MeV, 24:3886
  - Shell effects in (n,p) and (n,α) cross-sections at about 14 MeV, 25:56869
  - Some excitation functions of neutron-induced reactions around 14 MeV, 22:22573
- NOTARYS, H. A. Ac and dc potentials in superconducting phase-slip structures, 25:19610
  - Electric field suppression of the lambda point in liquid helium, 22:15494
  - Electrical properties and superconductivity of rhenium and molybdenum films, 24:40005
  - Pressure-driven superfluid helium flow, 23:34351
- NOTEA, A. Accurate distance gauging by beta backscattering, 25:39668
  - Atomic nuclear resolution of beta backscattering gauges, 25:4386
  - Delayed neutron emission in fission, 24:30769
  - Distribution of nuclear charge in high-energy fission, 23:37332
  - Distribution of nuclear charge in low-energy fission of transthorium elements, 24:6944
  - Experiments with short-lived fission products. I, 22:30030
  - Ge(Li) spectrometer as a point detector, 25:18676
  - Low energy photons from /sup 152g/Eu for Ge(Li) calibration, 25:402
  - Nitrogen-17 delayed-neutron spectrum, 21:38680
  - Optimizing the energy response of a ^{3}He spectrometer by filters, 25:39754
  - Radiation engineering: a new field for undergraduates, 25:39662
  - Relative calibration of neutron sources by a point detector, 22:29847
  - Spatial resolution of a neutron logging gauge, 25:39774
  - Transitions in ^{133}Cs from the decay of ^{133}Ba, 22:7721
  - Use of ^{133}Ba as a calibration standard for Ge(Li) detectors, 22:2352
- NOTEVA, V. Line shifts in spectrum of quasi-stellar object PKS 0237-23, 25:52534
- NOTKIN, G. E. Breakdown of 2^1P and 2^3P levels of He in a glow discharge, 25:13977
  - Contribution to the theory of spontaneous emission from atoms in an external field, 21:33150
- NOTLEY, M. J. F. Calculation of fission-product gas pressures in operating UO$_2$ fuel elements, 22:1779
  - Computer program to predict the performance of UO$_2$ fuel elements irradiated at high power outputs to a burnup of 10,000 MWd/MTU, 24:46050
  - Design of rodded UO$_2$ fuel bundles for high power outputs, 21:44812 (AECL-2945)
  - Effect of porosity on thermal conductivity of UO$_2$, 22:2694
  - Effect of power changes on fission product gas release from UO$_2$ fuel, 23:2039
  - Factors affecting design of rodded UO$_2$ fuel bundles for high power outputs, 22:30264
  - Fission product gas pressures developed in UO$_2$ fuel elements, 21:40693 (AECL-2662)
  - Gas pressures in operating UO$_2$ fuel elements, 21:32039
  - Irradiation experience with fuel for power reactors, 25:54082 (A/CONF.49/P-158)
  - Measurements of fuel element expansion using resistance strain gauges, 25:41417
  - Performance of UO$_2$ fuel elements to 10,000 MWd/MTU at high powers, 24:7366
  - Release of fission gas from fuel, 21:11326
- NOTNI, P. Period-latitude correlation of pulsars and its implications, 24:44882
- NOTNI, Peter Extragalactic research, 23:27313
- NOTO, Hoshichi Thermal conductivity in a pure Type II superconductor, 23:18551
- NOTO, K. Hall angle of dirty type-II superconductor, 24:8401
- NOTO, Koshichi Second-kind superconductivity of indium—lead alloys, 21:7135
  - Thermal conductivity of type-II superconductors: In—Pb alloys. II, 22:29433
  - Type I to type II transition in superconducting In—3.9 at. percent Pb alloy, 23:27543
- NOTO, V. Alterations of the conjunctivo-lacrimal secretion after irradiation with therapeutic doses, 21:22693
  - Blood coagulation in cancer patients following radiotherapy, 21:22687
- NOTSU, Shuzo Radiation damage studies using the low temperature irradiation facility. II, 25:36286
- NOTTER, A. Electrolytic grinding of tungsten carbide. II, 22:15162
  - Evaluation of the electrolytic grinding of tungsten carbide, 22:15163
- NOTTER, G. Effect of complamin on radiation-induced erythema, 21:45727
  - Interstitial irradiation of the pituitary gland with a ^{90}Sr—^{90}Y applicator, 23:48056
  - Radiation injury to the brachial plexus in patients with mammary carcinoma, 25:564
  - Reaction to radiation of lungs and pleura in patients with mammary carcinoma, 24:36843
  - Short-span ^{60}Co radiotherapy of lung carcinoma with simultaneous O inhalation and blocking of pulmonary artery, 21:18078
  - Strontium-90-applicator for interstitial irradiation of hypophysic, 21:26489
- NOTTER, Gustaf Clinical results after interstitial irradiation of pituitary gland with ^{90}Sr, 23:31868
  - Radiation cataract after epibulbar irradiation of eye, 23:14280
  - Thermoluminescent dosimetry of ^{90}Sr-applicators, 23:20230
- NOTTINGHAM, W. B. Thermodynamics of thermionic energy conversion, 22:19823
- NOTTROTT, J. Approximation method for solution of Einstein—Maxwell equation for point particle with magnetic dipole moment, 21:33572
  - Aspects of mass dipole problem of Weyl solution in the Einstein—Maxwell theory, 23:1692
- NOTZ, D. Total cross section for photoproduction of hadrons on hydrogen and deuterium between 1.0 and 6.4 GeV, 24:40226 (DESY-70/17)
  - Total cross section for photoproduction of hadrons on H and deuterium between 1.0 and 6.4 GeV, 24:51890
  - Total photoproduction cross section of hadrons on nuclei, 25:25281 (DESY-71/5)
  - Total photoproduction cross section of hadrons on nuclei, 25:27953
- NOTZ, K. J. Advanced sol-gel studies, 23:16526 (ORNL-4275, pp 135-56)
  - Carbothermic conversion of sol-gel U and Pu oxides to carbonitrides, 24:30022 (CONF-700502-, pp 434-47)
  - Microsphere forming conditions for ThO$_2$—UO$_3$ sols, 23:41702 (ORNL-TM-2516)
  - Preparation of carbide microspheres by Sol-Gel process, 23:36208
  - Preparation of porous thoria by incorporation of carbon in sols, 23:30108 (ORNL-TM-1780)
  - Preparation of uranium—plutonium—carbide fuel particles, 25:52419 (A/CONF.49/P-119)
  - Producing advanced fuels for LMFBR's, 24:7129
- NOTZ, Karl J. Microsphere forming conditions for ThO$_2$—UO$_3$, ThO$_2$ and UO$_2$ sols, 25:40092 (ORNL-TM-2957)
- NOTZ, Karl J. Jr. Method for preparation of carbonitride nuclear fuel materials, 25:49512
- NOUAILLE, A. Application of partial resolution in homogeneous phase. V, 21:86
- NOUBERT, W. Investigation of properties of neutron deficient cesium nuclei. III, 24:1820 (JINR-P6-4592)
  - Isomeric M4 transition in ^{203}Po, 24:1819 (JINR-P6-4553)
- NOUJAIM, A. A. Some aspects of measurement of ^{32}P Cherenkov radiation in water by liquid scintillation spectrometer, 25:54438
- NOUJAIM, Antoine Akl Study of the effects of x-irradiation on the metabolism of amphetamine sulfate and amphetamine benzamide, 24:41772
- NOUNOU, Pierre Excited states in molecules of biological interest, 24:7729 (CEA-Bib-162)
- NOUR, T. A. Isotopic exchange reactions between chloride ions and some organic chlorides, 25:15614
- NOUZA, K. Bone marrow transplantation in man, 24:624
  - Host and graft factors in the homing of haematopoietic cells, 25:8616
  - Mechanism of rejection of tolerated skin homografts, 23:16244
  - Protective action of homologous serum component on graft rejection, 24:634
  - Reduction of immune response in radiation chimeras, 24:9792
  - Study of the immunological restoration of allogeneic hematopoietic radiochimeras, 23:50386
  - Theory, practice, and treatment of graft versus host reactions, 24:4587
- NOVACK, Martin E. Duct for magnetohydrodynamic devices, 22:43955
- NOVACO, Anthony D. Quasi-particle interactions and the Bose—Einstein phase transition, 24:35337
- NOVACU, B. Structure of phenomenological SU$_3$ x SU$_3$ Lagrangians, 24:15614
- NOVACU, V. Lectures in theoretical physics. III, 25:14630
  - Seminar in theoretical physics. I, 23:18831
  - Spectral representations for any spin. III, 21:21294
- NOVACU, Valeriu Theory of elementary particles, 25:17406
- NOVAIS, Horacio M. Reduction of Ce sulfate in presence of Tl ions, 21:8327 (LFEN-49)
  - Reduction of ceric sulfate in presence of thallous ions in solutions irradiated by alpha radiation at 5.3 MeV, 21:4545
- NOVAK, A. Infrared and Raman spectra of pyrazinium halides, 25:4068
  - Isotope effect and hydrogen bonding in crystalline hydrazinium hydrogen oxalate, 23:19698
  - Low-frequency infrared and Raman spectra of H-bonded pyridinium halides, 23:35088
  - Vibrational spectra of and isotope effect in hydrogen bonded potassium hydrogen oxalate, 25:41790
- NOVAK, Alexandre Infrared spectra of lithium, sodium, and potassium amidoaluminates, 21:40826
  - Infrared spectra of the mixed dimers (CH$_3$COOH—CH$_3$COOD) and (CD$_3$COOH—CD$_3$COOD), 21:15901
  - Study by infrared spectroscopy of alkaline earth amides, 21:4518
- NOVAK, Arthur F. Commercial irradiation of shellfish with a portable shipboard irradiator, 23:16013 (ORO-663)
  - Commercial irradiation of shellfish with a portable shipboard irradiator, 23:17909 (CONF-681006-, pp 25-8)
  - Nutritive composition of irradiated oysters, 23:43931
  - Prog. rpt. on radiation pasteurization of Gulf shellfish, annual, 1966, 21:45856 (ORO-654)
  - Prog. rpt. on radiation pasteurization of shellfish, 1—12/67, 22:47652 (ORO-660)
  - Radiation pasteurization of fish and shellfish, 22:8682
  - Storage temperature effects on the proteolytic activity of radiation-surviving bacteria in oysters, 25:27114
- NOVAK, B. Fast acting all-metal gas valve for plasma research, 24:16928
- NOVAK, D. Manostat for temperature regulation of cryostats, 24:37395
  - Perfusion scintigram of lungs during various stages of pulmonary sarcoidosis (Morbus boeck), 25:11133
  - Silicon semiconductor spectrometer, 25:42112
- NOVAK, D. L. Corrosion behavior of aluminum—boron composites in aqueous chloride solutions, 25:35521
  - Mechanical properties of TiC—VC alloys, 25:35558
  - Slip systems in VC—TiC alloys, 25:29999
- NOVAK, D. P. Two nucleon absorption of K$^-$ mesons in deuterium, 24:47380 (CONF-690557-(Vol.1), pp 486-92)
- NOVAK, Dezsoe Temperature dependence of the scintillation decay time and intensity of CsI(Tl) excited by 8.78 MeV α-particles between 160 to 300°K, 21:17859
- NOVAK, Gyozo Exclusion of disturbing effects due to organic matter in determinations of uranium by the peroxide method, 21:15
- NOVAK, J. Alloplastic repair of skin defects, 24:933
  - Impact of heat on a straight tube, 25:2684
  - Transversal vibrations of rods exited by parallel flow, 25:15213
- NOVAK, J. K. Evaluation of winding techniques and Nb—Ti wires for superconducting magnet, 24:45660
  - Superconducting quadrupole doublet for LAMPF, 25:14860
- NOVAK, J. P. Generation of striations in low-pressure plasma in a strong high-frequency field, 21:31437
- NOVAK, Jan K. Flowrate limits imposed by thermal stresses in stainless steel pipelines cooled with liquid hydrogen, 22:24194 (LA-DC-9163)
- NOVAK, Janos Early hematological diagnostic of irradiation injuries complicated by burns, 24:2780
  - Radiation injury coupled with burns, 23:6549
- NOVAK, Jar Measurement of electron density of discharge plasma by means of toroidal resonator, 21:13548
- NOVAK, Jiri Dispersion of the precipitate in low-alloy U—Al—Fe and U—Al—Fe—Si alloys, 23:27117
  - Intermetallic phases and diffusion factors of aluminum, silicon, and iron in uranium, 24:4776
  - Morphology and dispersion of fine precipitates in low alloyed U—Al and U—Si alloys, 23:6675
- NOVAK, John K. Prediction of tissue loss in experimental frostbite with radioactive xenon, 24:44407
- NOVAK, Josef Transverse oscillation of ribbed rods with a helical pitch, 25:36982
- NOVAK, Joseph F. Ocular trauma in industry, 24:44520
- NOVAK, L. Body temperature as an indicator of the radioprotective effect of sodium fluoroacetate in mice, 25:8700
  - Distribution of radioactive arsenic in tissues, 24:5986
  - Importance of hypothermy in the mechanism of the protective action of sodium fluoroacetate, 25:4580
  - Influence of ionizing radiation radioprotectors on metabolic reactions, 23:43674
  - Influence of Na fluoracetate on shift of LD 50/30 value, 25:35162
  - Protective effect of Na fluoroacetate on haemopoietic stem cells, 24:41907
  - Radioprotective effect of AET, serotonine, natrium-fluoro-acetate, and histamine in mice, 25:26800
  - Radioprotective effect of sodium fluoroacetate in mice, 24:9881
  - Radioprotective effects of sodium fluoroacetate and its probable mechanism of action, 25:4579
  - Radiosensitivity of mice, 25:24412
  - Radiosensitivity of rats and oxygen consumption, 22:47547
  - Role of hypothermy in the mechanism of radioprotective action of sodium fluoroacetate, 25:35163
- NOVAK, L. I. Influence of reactor irradiation on atomic order in Ni$_3$Mn, 25:52902 (JPRS-53800, pp 72-8)
  - Integral reflection and the reflecting capability of a crystal monochromator, 23:46905
  - Neutron-diffraction investigation of radiation-induced ordering in Ni$_3$Mn and Ni$_4$FeMn alloys, 21:24815
- NOVAK, Ladislav P. Retention of radiocopper in Wilson's disease, 23:33779
- NOVAK, Lj. Deposition of some Rn daughters in rats, 23:24537
- NOVAK, M. Extraction of metals by fatty acids. I, 21:14293
  - Three-prong interaction of π^--mesons with a momentum of 4 GeV/c in a propane bubble chamber, 22:17874

- NOVAK, Michael A. Project ZULU II: laboratory scale row-charge cratering series, 23:13893 (NCG-TR-5)
- NOVAK, Nezsoe, Investigation on alpha—gamma pulse shape discrimination and alpha energy resolution of CaI(Tl) as function of temperature between 200° and 300° K, 22:25643
- NOVAK, P. E. Defective fuel pin testing in forced-convection capsules, 24:7124
  - Evaluation of effect of design and operating variables on SEFOR fuel and fuel cladding, 22:22695 (GEAP-5309)
  - Evaluation of W—Re thermocouple systems for use in PuO_2—UO_2, 21:6328 (GEAP-5166)
  - Failed fuel performance in naturally convecting liquid metal coolant, 25:25983 (GEAP-13620)
  - Fast reactor fuel testing in forced convection capsules, 24:18711 (CONF-690910-, pp 679-89)
  - In-pile evaluation of W—Re thermocouple systems, 23:26084 (GEAP-5468)
  - Thermocouple development for use in measuring oxide fuel temperatures in-pile above 4000°F, 21:20534 (CONF-660511-, pp 7.5.1-6)
  - Tungsten—rhenium thermocouples for use at high temperatures, 21:34541
- NOVAK, Philip E. Direct in-pile measurement of the central temperature of a sodium-bonded mixed oxide fuel pin, 22:6162
  - In-pile performance of vented mixed-oxide fuel in flowing liquid metal, 22:6141
- NOVAK, S. Assessment of influence of certain factors on plans for constructing nuclear power stations, 25:34263
  - Fuel element burnup measurement in A 1 reactor, 23:40293
- NOVAK, Stainslav Safeguards for HWGCR type with pressure vessel, 23:50100
- NOVAK, V. E. Deformation of foundation of Serpukhov accelerator and its effect on the shape of the equilibrium orbit, 24:45666
- NOVAK, V. J. A. Effect of x irradiation of the head on neurosecretory cells in Gryllus domesticus L, 25:58095
- NOVAK, Vladimir J. A. Influence of x-rays irradiation of head on neurosecretory cells in Gryllus domesticus L, 25:32549
- NOVAK, W. Earthquake protection for nuclear reactors, 25:54151 (A/CONF.49/P-672)
- NOVAKOV, T. Electric field splitting of core p/sub 3/2/ levels in heavy atoms, 22:52541
  - Large changes of L_3 electron binding energy in ^{239}Pu, 21:42617
- NOVAKOVA, E. Hazards of small doses of ionizing radiation, 23:48250
  - Howell Jolly bodies in subjects exposed to small doses of ionizing radiation, 24:36712
  - Lymphograms of miners in U mines, 23:38659
  - Normoblasts of persons exposed to ionizing radiation, 23:43895
  - Reticulocytes in the blood of miners working in uranium mines, 23:43904
  - Strontium-90 and ^{137}Cs in some Bulgarian foodstuffs, 25:42381
- NOVAKOVA, Ella Nucleolar coefficient of lymphocytes of uranium miners, 23:50921
- NOVAKOVA, J. Exchange of deuterium with products of methanol adsorption on oxide catalysts, 21:40863
  - Exchange reaction of oxygen with oxides computer determination of the exchange rates, 22:27675
  - Isotopic exchange of gaseous deuterium with lattice hydrogen of hydrides, 25:34582
  - Isotopic exchange of oxygen ^{18}O between the gaseous phase and oxide catalysts, 24:29261
  - Mechanism of exchange reactions between O and oxides ZnO, MnO_2, CuO, and Co_3O_4, 22:27633
- NOVAKOVA, V. High nervous activity in x irradiated rats, 22:25965
- NOVAKOVIC, L. Inelastic scattering of neutrons by hydrogen-bonded ferroelectrics, 25:36668
  - Possible theoretical explanation of the shift of the Curie temperature in KH_2PO_4 and KD_2PO_4 upon a hydrostatic pressure, 23:2281
- NOVAKOVIC, M. Detection of conductor movement in homogeneous magnetic field, 21:22218
- NOVAKOVIC, R. Standard preparing problems concerning determination of resorption of ^{131}I labelled fats in blood samples, 22:37665
- NOVAKOVIC, Radoslava Effect of telecobalt therapy on plasma, 24:36839
- NOVAKOVSKAYA, E. G. Development of method for separation of rare earth elements from alloys containing Fe, Cr, and Ni, 25:6419
  - Electrode reactions of some rare earth elements at the mercury dropping electrode, 25:51474
  - Oscillopolarographic determination of certain rare earth elements in alloys based on Fe, Ni, and Cr, 23:15790
- NOVAKOVSKI, Boleslav Use of radioisotopes in concrete technology for accelerating hardening processes and improving its contraction and expansion properties, 21:1531
- NOVARIO, P. G. Calculation of specific burnup in a nuclear fuel pellet irradiated in an ordinary water reactor, 22:44887 (EURAEC-2003)
- NOVARO, O. Harmonic oscillator in atomic and molecular physics, 22:34275
  - Non-invariance groups of dynamical problems, 23:32787
  - The pseudo-atom: a soluble many-body problem, 25:58796
- NOVARO, O. A. Nonadditivity of intermolecular forces in He_3 within SCF LCAO MO approximation, 25:30270
- NOVATSKI, G. Measuring projector for the treatment of photographs from bubble chambers, 23:2650
  - Scanning table for photographs from large bubble chambers, 23:2648
- NOVATSKII, B. G. Quasielastic scattering of ^{6}Li ions, 24:35816
  - Reaction (^{7}Li,α) on ^{16}O, ^{24}Mg, ^{27}Al, and ^{28}Si, 23:46924
  - Reaction (^{7}Li,α) reaction on ^{9}Be and ^{12}C, 23:46931
  - Reaction Li + Li and possible existence of three-cluster states, 25:34000
- NOVEL, Madeleine Teratogenic effect of x irradiation. I, 24:2799
  - Teratogenic effects of x irradiation on vertebral chondrogenesis in the mouse embryo. II, 24:51041
- NOVEL, Madeliene Histochemical evidence of some dehydrogenases in the embryonic and adult cartilage in normal or x-irradiated mice, 21:28387
- NOVELLI, A. Simulator for ^{135}Xe poisoning in nuclear reactors, 24:9163
- NOVELLI, G. David Comparative physiology of L-M cells propagated in vitro and in female and male mice, 23:10092
- NOVELLO, M. Dirac's equation in Weyl space, 24:10715
  - Origin of the neutrino mass, 25:19966
  - Role of the mass in the theory of free fermions, 23:46640
- NOVELLO, Mario Dirac's equation in Weyl space, 24:6756
  - Gauge transformations and generalized multipole moment operators, 23:49122
  - Gauge transformations and generalized multipole moment operators, 24:51994
  - Gravitation as a consequence of the self-interaction of the gamma fields, 25:41101
  - Role of the mass in the theory of fermions, 24:15503
- NOVENDSTERN, E. H. Proposed CVTR operation at 100 MWf, 21:31929 (CVNA-273)
  - Temperature distribution caused by gas bubbles in Na bonded fuel rod, 23:15639 (CONF-680832-2)
- NOVENSKI, A. E. Low-frequency oscillations in an electron-cyclotron resonance discharge, 21:2229 (TID-23318, pp 123-6)
- NOVEROSKE, J. W. Maintenance of ovine corpora lutea in the absence of ovarian follicles, 25:16324
- NOVEY, T. Evidence for existence of Z^*, 24:20159
- NOVEY, T. B. Construction and operation of the Argonne pion focusing horn, 21:30079
  - Interpretation of 2- to 5-GeV/c $\pi^-p \rightarrow \pi^0n$ polarization data by use of interference model, 22:15801
  - Measurement of polarization in $\pi^-p \rightarrow \pi^0n$ and $\pi^-p \rightarrow$ etan, 22:13667
  - New scheme of beam extraction of the Argonne ZGS, 21:38081
  - Polarization in K^+p elastic scattering and phase-shift analysis, 23:36843
  - Quasi-elastic neutrino scattering, 24:15457 (CERN-69-28, pp 111-24)
  - Quasielastic neutrino scattering, 23:25515
  - Search for quarks in cosmic rays, 21:2367
- NOVGORODOV, A. F. Application of a sodium amalgam for rapid separation of carrier-free radioactive rare earth isotopes, 23:13845
  - Carburization of microamounts of radioactive isotopes of light rare earth elements and Yb by an amalgam of Na in presence of macroamounts of Tb, Er, and Lu, 23:28976
  - Conclusions on structure of ^{153}Gd states drawn from results of the lifetime measurements, 25:38986 (JINR-P6-5526)
  - Investigation of the iridium fraction radiation, 22:11954
  - Level scheme of ^{149}Sm, 21:7789
  - New isotope ^{92}Ru, 25:25715 (JINR-P6-5594)
  - Sodium amalgam case hardening of microquantities of carrier-free rare earths in acetate solutions, 21:8259
  - Spectra of conversion electrons of ^{174m}Lu and ^{174}Lu, 23:42919
- NOVGORODOV, A. I. Studies of ^{197}Hg and ^{197m}Hg γ emissions, 22:35351
- NOVGORODOVA, A. F. Fast thermochemical methods of separation of radioactive elements. I, 25:57480 (JINR-P6-5955)
- NOVGORODOVA, E. Z. Influence of phenyl-β-naphthylamine and sulfur on radiation oxidation of rubbers, 23:9484
  - Oxidation of rubber under effects of ^{60}Co radiation, 22:33417
- NOVGORODTSEV, R. B. Measuring the slow neutron flux by means of the Hall effect in Si, 24:46489
  - Relaxometers for reactor radiation, 25:439
- NOVGORODTSEVA, V. I. Asymmetry of ^{238}U photofission near threshold, 22:32593
  - Dependence of the symmetrical ^{238}U fission cross section on neutron energy, 21:7814
  - Investigation of corrosion stability of Pt, Ta, Ti, and stainless steel to melts of organic acids, 25:6836
  - Radiochemical investigation of ^{229}Th fission by slow neutrons, 23:8980
  - Symmetrical photofission of ^{238}U, 22:3711
  - Variation of mass distributions of ^{238}U fission fragments with neutron energy, 22:1668
- NOVI, A. M. Effects of low irradiation doses on the ultrastructure of the rat myocardium, 23:33635
- NOVICHKOV, D. N. Unsteady-state processes in nonequilibrium mixture of Cs and Ar, 25:33312
- NOVICHKOVA, N. V. Origin of Pacific Mn nodules based on radioisotope content, 25:51652
- NOVICK, D. T. Effect of Re on lattice solid solubility of O in W, 23:8125
- NOVICK, David Theodore Field ion microscope investigation of the tungsten—rhenium—oxygen system, 23:1005
- NOVICK, M. EBR-II operating experience, 22:16181
  - Role of plutonium as a competitor to thorium as a future nuclear fuel, 25:48254 (CONF-680989-, pp 31-8)
- NOVICK, R. Electron bombardment ion source for low-energy beams, 23:1737
  - Energies and lifetimes of metastable autoionizing $(1s2s2p)^4P$/sub J/ states of ^{6}Li and ^{7}Li; assignment of Li-I/sup b/ quartet lines, 22:41346
  - Gross failure of the conventional adiabatic criterion; structure and coherence in the low-energy excitation of helium atoms by helium ions, 21:29011
  - Lifetimes and fine structure of the metastable autoionizing $(1s2s2p)^4P$/sub J/ states of the negative helium ion, 24:32619
  - Oscillation in optical and x-ray flux from Scorpius X-1, 25:58535
  - Oscillations in x-ray flux from Scorpius X-1, 25:58536
  - Polarization in x-ray emission of Crab Nebula, 25:49623 (AD-717668)
  - Prog. rpt. on electronics, 11/66—4/67, 21:37093 (CU-4-67)
  - Search for polarization in the x-ray emission of the Crab Nebula, 24:23629
  - Search for rapid fluctuations in light from Crab Nebula pulsar, 24:4925
  - Search for x-ray polarization in Sco X-1, 23:27257
  - Tests of post-collision-interaction model for He^+—He excitation functions, 24:12655
  - Two-photon emission from metastable state of singly ionized helium, 23:48587
  - X-ray spectrum of Scorpius X-1, 25:22294
- NOVICK, Richard P. Extrachromosomal inheritance in bacteria, 23:41504
- NOVICK, Sheldon Earthquake at Giza, 24:20972
  - Earthquakes and nuclear power, 23:21435
  - Mile from times square, 23:49539
- NOVIELLO, L. ENEL's experience with on-line computers in nuclear power stations, 23:40301
- NOVIK, F. S. Construction of the solidus volume in the niobium—tungsten—titanium—zirconium system by the simplex-lattice method, 25:55529
  - Use of simplex lattice method for construction of composition—property diagrams, 21:36875
- NOVIK, K. M. Cyclotron heating of plasma ions and electrons by high-frequency fields, 22:44076 (NP-17567)
  - Cyclotron heating of plasma ions and electrons by high-frequency fields, 22:48077 (MATT-Trans-60)
  - Cyclotron heating of plasma ions and electrons by high-frequency fields, 24:47200
  - Microwave discharge at harmonics of the electron cyclotron frequency, 25:49909
  - Plasma-electron confinement region for electron-cyclotron resonance in magnetic trap with plugs, 22:44075 (NP-17565)
  - Plasma-electron confinement region for electron-cyclotron resonance in a magnetic trap with plugs, 23:12739 (AEC-tr-7007)
  - Ratio of longitudinal and transverse diffusion coefficients in argon SHF discharge plasma, 25:45447 (NP-18916)
  - Region of plasma electron confinement at electron cyclotron resonance in magnetic mirror system, 23:12760
  - Research on the transformation and absorption of high-frequency waves in a plasma, for the purpose of developing methods of plasma heating, 25:38516 (CONF-710607-140)
  - Some peculiarities in plasma formation by microwave power near electron cyclotron harmonics, 25:1217 (NP-18503)
  - Spreading of high-frequency plasma along magnetic field, 25:5132
- NOVIK-KACHAN, V. P. Some peculiarities of uranium reserve estimation for underground leaching in sedimentary rocks, 24:44142
- NOVIKOV, A. Calculation of neutron pulse shape, transmission function and resolution function in mechanical time-of-flight spectrometer, 25:34919 (UARAEE-61)
  - Effect of the probe tube on the thermal neutrons space-energy distribution, 25:37137 (UARAEE-75)
  - Energy-dependent Milne problem, 25:36650 (UARAEE-60)
  - General review of thermal neutron spectra investigations, 25:37118 (UARAEE-62)
  - One-group considerations of Milne problem, 25:37116 (UARAEE-56)
- NOVIKOV, A. A. ZrO_2-base cermet cold cathodes, 23:12402
- NOVIKOV, A. G. Double spectrometer of slow neutrons DIN-1, 23:22056 (FEI-129)
- NOVIKOV, A. I. Choice of analytical methods for instrumental activation analysis, 22:39992
  - Coprecipitation of Pu with Zr, 24:36372
  - Coprecipitation of thorium with iron hydroxide in ammonium bicarbonate solution, 22:33312
  - Diffraction of resonance γ rays on nuclei and electrons in tin single crystals, 22:38740
  - Diffraction of resonant radiation on electrons and nuclei in ^{119}Sn single crystals, 23:27721
  - Evidence of disappearance of inelastic channel of nuclear reaction in nuclear resonant scattering of γ-rays in perfect crystal, 25:30687 (IAE-1966)
  - Separation of K, Ca, and Sc by coprecipitation with iron hydroxide, 23:43395
  - Separation of rare earth elements and hafnium by coprecipitation with ferric hydroxide, 22:51070
  - Separation of Ru, Rh, and Pd by coprecipitation with ferric hydroxide, 25:57552
  - Separation of scandium, titanium, and vanadium by coprecipitation with hydroxides of iron and zirconium, 24:287
  - Separation of small quantities of gold and thallium by coprecipitation of the latter with iron hydroxide, 22:30688
  - Separation of sulfur and phosphorus by coprecipitation of phosphate ions with iron hydroxide, 22:45171
  - Separation of Ta, W, and Re by coprecipitation with Fe hydroxide, 22:45168
  - Separation of tantalum and hafnium by coprecipitation with iron hydroxide, 22:45167
  - Separation of thorium and rare earth elements during precipitation of thorium hydroxide, 22:30679
  - Separation, concentration, and determination of valence forms of plutonium(III, IV, and VI) by coprecipitation with hydrated oxides of zirconium and iron, 24:197
  - Suppression of inelastic channel of nuclear reaction resonant scattering of gamma rays, 24:28448
  - Use of precipitation with iron hydroxide in separating small amounts of an element, 21:24094

- NOVIKOV, A. M. Bremsstrahlung of hard electrons during intense auroras, 24:30259
  - Radiation bursts in the subpolar stratosphere, 23:10553
  - Solar protons in the subpolar stratosphere during the solar activity minimum, 24:12588
  - Use of the /sup 125m/Te isotope as a source of x-ray radiation, 25:8434
- NOVIKOV, A. N. Novovoronezh Nuclear Power Station operation, 24:24725
  - Operational data of WWER-2 reactor first fuel charge, 23:31131
  - Three-dimensional calculation of fuel burn-up in water-cooled, water-moderated power reactors, 22:5935 (JPRS-42542)
  - Three-dimensional fuel burn-up calculations in WWER reactors, 22:22739
- NOVIKOV, A. S. Program for processing photographs in bubble chamber filled with heavy liquid. I, 25:29369 (ITEF-753)
- NOVIKOV, B. H. Sensitivity of the tissues of the gonads to ionizing radiation under conditions of deep cooling, 24:27613
- NOVIKOV, B. V. Bound-exciton optical spectra in radiation damage in crystals, 21:2299
  - Changes in energy spectrum of capture centers (traps) in electron-bombarded CdS crystals, 25:43437
  - Effect of electron bombardment of fine structure of photoconductivity curves in CdS crystals, 24:45317
  - Spectra of bound excitons and radiation defects in compounds A_2B_6, 23:51757
- NOVIKOV, D. L. Coherent frequencies of transverse oscillations in the electron model of a ring cyclotron, 25:31038 (JINR-P9-5677)
  - Electron gun of a high-precision proton accelerator model, 22:3579
  - Electrostatic channel with periodic focusing, 21:9873 (JINR-P9-3024-1)
  - Electrostatic transport with periodic focusing, 22:46654
  - External injection and acceleration of the beam to the final radius in the electron model of the ring cyclotron with strong focusing, 25:20130 (JINR-P9-5453)
  - Measurement of the accelerated beam phase in the electron model of the ring cyclotron, 25:53412 (JINR-P9-5873)
  - Rf system of the monoenergetic cyclotron, 25:31128
  - Vertical motion in central region of relativistic cyclotron, 21:7587 (JINR-P9-3017-1)
- NOVIKOV, E. A. Nonlinear development of disturbances in an one-dimensional world, 23:51348
- NOVIKOV, E. P. Nuclear industrial desalination plant at Shevchenko, 23:52433
- NOVIKOV, G. F. Effect of emanation of Th ores on radiometric measurements, 22:34047
  - Effects of illumination on the radiation yield of transverse bonds in polybutadiene, 23:49846
  - Stabilized ions and the formation of cross links in the radiolysis of polybutadiene, 25:18467
  - Use of the LSU 5K analyzer to determine U(Ra), Th, and K in boreholes, 24:2523
- NOVIKOV, G. G. Dispersion of magnetohydrodynamic and magnetosonic waves in an ideal medium, 21:7216
- NOVIKOV, G. I. Ion source for the MI-1305 mass spectrometer, 25:49046
  - Pressure of saturated vapor for Ho, Tm, and Lu chlorides, 23:43320
  - Vapor pressure and composition in KCl—$ThCl_4$ system, 21:81
- NOVIKOV, G. M. Slowing down capacity nickel for protons and He_4^+ ions in energy range from 20 to 95 keV, 21:28999
- NOVIKOV, I. D. Anisotropy of the early stages of cosmological expansion and observation, 23:8429
  - Anomalous helium abundance in the star 3 Cen A, 22:819
  - Disturbances appearing on passage of collapsing sphere under Schwarzschild sphere, 23:51347
  - Does a vacuum gravitate, 25:43089
  - Evolution of a charged sphere after collapse under a Schwarzschild sphere, 24:44953
  - Evolution of supermassive stars stabilized by large-scale motions, 22:7090
  - Expected anisotropy of cosmological radio emission in homogeneous anisotropic models, 23:5198
  - Hypothesis of cores retarded during expansion and the hot cosmological model, 21:11364
  - Impossibility of mixing in cosmological model of Bianchi IX type, 25:40329
  - Initial spectrum of perturbations in the metric of the Friedmann model Universe, 24:25941
  - Kinetic neutrino theory in anisotropic cosmological models, 24:48979
  - Mixmaster universes and the cosmological problem, 25:27428
  - Neutrinos and gravitons in the anisotropic model of the universe, 21:18401
  - Neutrinos in anisotropic cosmological solutions, 23:3239
  - Origin of galaxies in an expanding universe, 22:816
  - Origin of mass motion in homogeneous anisotropic cosmological models and the chemical composition of primordial matter, 25:40314
  - Perturbations in an anisotropic homogeneous universe, 25:30223
  - Physical limitations on the topology of the universe, 22:17319
  - Physics of relativistic collapse, 21:22954
  - Replacement of relativistic gravitational contraction by expansion, and the physical singularities during contraction, 21:16733
  - Uniqueness of interpretation of isotropic cosmic radiation with $T = 3°K$, 22:7104
  - Weakly interacting particles in the anisotropic cosmological model, 21:44337
- NOVIKOV, I. I. Applied magnetohydrodynamics, 25:9275
  - Brittleness in alloys of the Cu—Ni—Be system, 22:23828
  - C curves of the decomposition of supersaturated solid solutions in Al—Zn—Mg alloys with additions of Mn, Cr, Zr, and Cu, 24:39659
  - Drag and heat transfer in countercurrent flows of electroconducting liquids in the presence of magnetic fields, 22:34343
  - High-temperature research, 21:28775
  - Investigation of Nb-rich alloys containing Zr and B, 25:38029
  - Irregular degradation of the β-phase in the Ti alloy BT15, 25:24598
  - Problems of thermal physics of nuclear reactors, 22:30391
  - Solubility of boron in niobium in the solid state, 25:45139
  - Solubility of carbon in molybdenum in the solid state, 24:14911
  - Strength loss on annealing of forged metalloceramic rhenium, 24:14739
  - Study of the heat transfer of boiling sodium under conditions of free convection, 21:16068
  - Study of the molybdenum—zirconium—carbon system, 25:58273
  - Ternary system molybdenum—titanium—carbon, 25:42890
- NOVIKOV, I. M. Experience in operation of MR multi-loop research reactor, 25:39290 (LB/G-3002)
- NOVIKOV, L. N. Adjustment to G5-7A generator for spin-echo spectrometer, 21:45468
- NOVIKOV, L. S. Direct production of electron—positron pairs by 2.94-GeV/c negative pions, 25:9661
- NOVIKOV, M. M. Anomaly in collisions of protons with Be nucleus near the threshold of the reaction ^{9}Be(p,n)^{9}B, 24:22088
  - Differential cross sections of proton elastic scattering on Be nuclei and the total cross section of reaction ^{9}Be(p,n)^{9}B near threshold, 25:1717
- NOVIKOV, M. Yu. Generalized kinetic equation for single-particle distribution function, 25:52984
- NOVIKOV, N. N. Nature of strengthening γ-irradiated NaCl and KCl crystals, 24:32907
- NOVIKOV, N. P. Chemical action of laser radiation on acetylene, 25:4070
- NOVIKOV, N. V. Influence of technological factors on mechanical properties of molybdenum alloys at low temperatures, 25:32714
  - Method of studying the elastic properties and internal friction of materials with a continuous temperature variation, 25:669
- NOVIKOV, P. D. Action of ionizing radiation on ion-exchange materials, 22:10315
  - Purification and treatment of water for nuclear reactors. III, 22:20826 (ZFK-RN-31, pp 69-76)
- NOVIKOV, P. S. Dielectric penetration of liquid solutions ^{3}He—^{4}He, 24:21708
  - Investigation of thermodynamic properties of ^{3}He—^{4}He solutions during HeI—HeII transition, 23:3414
  - NMR for investigation of thermodynamic properties of ^{3}He—^{4}He, 22:13406
  - Nuclear relaxation in liquid solutions of helium isotopes, 23:14738
- NOVIKOV, S. B. Time variations of a chromospheric network, 23:6849
- NOVIKOV, S. M. Diffusion of Mo and Nb in Zr, 25:2704
- NOVIKOV, S. R. Annealing processes in n-type Ge irradiated with high-energy protons, 25:45542
  - Charge collection in Ge(Li) gamma counters, 25:51858
  - Collection of charge in γ-ray counters made of Li-drifted Ge, 25:21411
  - Defects in Ge irradiated by high-energy protons, 23:51754
  - Effects of copper admixture and dislocations on formation of radiation defects in germanium and silicon on irradiation by fast neutrons, 23:51769
  - Formation and annealing of radiation defects in Ge, 25:59159
  - Formation of disturbance areas in a fast-neutron-irradiated silicon, 22:39186
  - Gamma spectrometry on basis of Ge irradiated with neutrons, 23:33490
  - Kinetics of neutron irradiated Ge impurity photoconductivity, 23:14905
  - Oscillations of photocurrent in Ge with radiation defects, 25:7452
  - Oscillations of photocurrent in Ge with radiation defects, 25:56316
- NOVIKOV, V. Interaction of 120 MeV K/sub L/$^\circ$-mesons with Ar, Cu, Pb nuclei, 21:33699 (JINR-P1-3375)
  - Interaction of K$^\circ$/sub L/ mesons (mean energy 120 MeV) with nuclei Ar, Cu, and Pb, 22:13986
- NOVIKOV, V. G. Experiments on acceleration of α-particles by collective method, 25:36615 (UCRL-Trans-1434)
  - Experiments on α-particle acceleration by collective method, 25:12305 (JINR-P9-5558)
  - Methods for calculating Coulomb scattering and bremsstrahlung in analyzing tracks from propane bubble chambers, 22:30862
- NOVIKOV, V. I. Electrical properties of hexaborides of alkali- and rare-earth metals, 24:10163
  - Irradiation hazards produced by nonequilibrium emanations, 25:13435
  - Superconductivity of some alloys of the tungsten—rhenium—carbon system, 22:19922
  - Superconductivity of titanium carbide, 25:5038
- NOVIKOV, V. M. Calculations on a reactor with a circulating fuel of variable density, 21:7907
  - Criticality of a reactor during oscillations of the fuel density, 25:23394 (IAE-1964)
  - Criticality theory of pile in which fuel density oscillations are exited, 23:43208
  - Dissociation cross section for slow colliding excited molecules, 24:39811
  - Effect of delayed neutrons on the dynamic reactivity of a reactor originating during oscillations of the density of the fuel, 25:10305 (IAE-1955)
  - Material-geometrical parameter for solution of neutron transport equation, 23:5799
  - Neutron diffusion in heterogeneous media, 21:31699
  - Relativistic effects in the theory of muonic capture by nuclei, 22:13728
  - Tensor diffusion of neutrons in heterogeneous periodic media for case of arbitrary scattering law, 21:17283
  - Theory of the criticality of a reactor during oscillations of the fuel density, 23:31157 (IAE-1641)
- NOVIKOV, V. N. Conversion electron spectrum of an iridium fraction, 21:25552
  - Structure and electrical properties of single crystals of sesquioxide V_2O_3, 25:24660
- NOVIKOV, V. P. Thermal stability of monoisopropylbiphenyl, 25:18377
- NOVIKOV, V. S. Effect of nuclear radiation on the physicomechanical properties of lacquer coatings, 25:2822
- NOVIKOV, V. T. Activation detector, 25:57729
  - Measurements of high thermal neutron fluxes by activation detectors, 23:29175
- NOVIKOV, Yu. M. Current distribution in a coaxial plasma gun, 21:3876
  - Operation of the coaxial plasma source in a longitudinal magnetic field, 21:3877
- NOVIKOV, Yu. N. Contribution of unpaired particle to the deformation of the nucleus, 21:42707
  - Delayed nuclear fission, 23:37351
  - Delayed nuclear fission, 23:44955
  - Origin of superheavy elements, 24:3071
  - Possibility of delayed ^{3}He and ^{3}H decays of nuclei, 23:47059
  - Probability of the nuclear double β-decay in region removed from the β stability band, 24:20447
  - Quadrupole moments of deformed nuclei, 22:11957
  - Two-neutron decay of nuclei, 25:17896
- NOVIKOV, Yu. P. Analytical chemistry of Np, 24:50341
  - Extraction of neptunium in form of ions associated with tetraphenylphosphonium, 23:28966
  - Solvent extraction of Np with 1-phenyl-3-methyl-4-benzoylpyrazolone-5, 23:13846
- NOVIKOV, Yu. V. Concentration of long-life radioactive aerosols in atmosphere, 22:30721
  - Effect of small concentrations of uranium in water on population's health, 22:12907
  - Effect of U on human body, 22:51380
  - Health problems and protection against radioactive contamination of the atmosphere air, 21:16022
  - Hygienic investigation of the effect produced by small concentrations of uranium on the human body, 25:13595
  - Relationship between the extent of radioactivity and the amount of atmospheric falls, 22:40678
  - Standardization of U in water, 24:23370
  - Study of ^{210}Po content in environment and human body, 25:42429
- NOVIKOVA, A. P. Body distribution of U in dogs long after inhalation of uranium oxide, 23:14118 (ORNL-tr-2035)
  - Features of three generations of offspring of ^{90}Sr-poisoned rats, 23:22391 (AEC-tr-6944, pp 538-47)
- NOVIKOVA, D. B. Effect of the annealing temperature on the structure and properties of cast molybdenum, 21:18247
- NOVIKOVA, E. V. Determination of selenium and tellurium in sulphide ore, 24:11418
- NOVIKOVA, G. A. Neutron component of cosmic rays at atmospheric depths of 260 to 315 millibars, 22:11272
- NOVIKOVA, I. S. Photometric determination of Nb with reagent PAR in complex Cu-base alloys, 25:4018
- NOVIKOVA, K. F. Influence of solar activity on the blood fibrinolytic system, 25:19145
- NOVIKOVA, K. Z. Effect of oxides on the properties of molybdenum, 21:11227
- NOVIKOVA, L. I. Conductivity induced by electron irradiation in solid naphthacene, 24:13902
- NOVIKOVA, L. V. Dosimetric substantiation of gamma-therapy with a lattice, 21:39416
  - Effects of localized radiation on the head, 23:31974
  - Influence of the size of irradiation fields in gamma-therapy of malignant nasopharyngeal tumors, 23:29527
- NOVIKOVA, M. I. Radiation injury of myelopoiesis in monkeys, 22:31202 (AD-666139)
  - Restoration of myelopoiesis in monkeys after whole-body gamma irradiation, 21:45786
- NOVIKOVA, M. M. Carburization of microamounts of radioactive isotopes of light rare earth elements and Yb by an amalgam of Na in presence of macroamounts of Tb, Er, and Lu, 23:28976
- NOVIKOVA, M. N. Autologous bone marrow transplantation in irradiated baboons, 25:32566
  - Effects of x rays on bone marrow transplants in dogs, 22:23574
  - Hematopoiesis in long-term survival following supralethal irradiation, 23:14128
  - Role of the thymus in the fate of the allogenic bone marrow transplanted to dogs irradiated with a dose of 1000 R, 22:31266
  - Transplantation of bone marrow into irradiated primates, 24:17070
  - Transplantation of bone marrow to dogs irradiated by 1000 r, 23:29585
  - Transplantation of fresh and preserved autologous bone marrow in superlethally irradiated dogs, 23:29592
- NOVIKOVA, N. R. Amplification of charged particle tracks in very fine-grain nuclear emulsions, 24:14250
  - Synthesis of photographic emulsions for nuclear studies, 23:11813
  - Two-potential method of development of nuclear emulsions, 23:47769
- NOVIKOVA, N. V. Threshold Cherenkov counter for recording of uv part of the spectrum, 23:2653
- NOVIKOVA, N. Ya. Cesium-137 and ^{90}Sr uptake from foods in Poles'ya, 24:23156
  - Determination of ^{137}Cs in food products, 25:23525
  - Determination of strontium in human bone tissue, 23:26152

NOVIKOVA, S. K. Distribution of ^{90}Sr in meadow-steppe zone soils, 23:7635
NOVIKOVA, V. I. Dependence of diurnal cosmic-ray variation on geomagnetic activity and solar latitude of earth, 21:24946
NOVITSKAYA, M. A. Effect of donor irradiation on appearance of nonselective markers, 25:35126
NOVITSKII, E. Z. EMF produced in compression of lanthanides, 25:52961
NOVITSKII, G. G. Infrared spectra and structure of hydrates of uranium peroxide UO$_4$. xH$_2$O, 23:49784
  Isotopic effect in the fluorescence spectra of uranyl ammonium salts, 24:5664
  Spectral-luminescence investigation of the cation—anion interaction in uranyl double salts, 25:46494
NOVITSKII, V. V. Hexapole electromagnet for focusing bunched electrons, 23:45593
NOVITSKIN, G. G. Absorption spectra of actinides and the electronic nature of chemical bonds in the uranyl group, 23:15844
NOVITSKY, Thomas W. Gamma ray density gauging, 25:55067
NOVITZKY, E. Z. Problem of double layer in shock-compressed dielectrics, 24:20677 (SC-T-70-4013)
NOVOGRUDSKII, B. V. Charge collection in Ge(Li) gamma counters, 25:51858
  Collection of charge in γ-ray counters made of Li-drifted Ge, 25:21411
NOVOKRESHCHENOV, Yu. V. Thermodynamics of Cu—Zr systems, 24:51177
NOVOKRESHCHENOVA, V. B. Device for investigating critical current in superconductors, 21:9520
NOVOSAD, F. Erythrocytes of U miners, 24:50944
  Erythrocytes of uranium miners. I, 25:24451
  Urine of workers in U ore plant, 23:38606
NOVOSAD, J. Residence time distribution of granular materials flowing through cylindrical vessels, 23:35395 (EUR-4190, pp 121-34)
NOVOSADOV, V. S. Formation and mechanical properties of welds between Zr, Ti, and Nb, 23:27027
  Properties of joints between zirconium—2 percent niobium alloy and Nb alloys, 23:43957
  Properties of welded joints of Zr alloy with 2.5 percent Nb with Ti alloys, 24:27769
  Weldability of zirconium with niobium alloys, 25:644
NOVOSELLER, D. E. Josephson frequency—voltage relation at microwave and far-infrared frequencies, 23:42208
NOVOSELOV, A. V. Neutron—neutron method with resonance neutrons (NNM r), 22:30447
NOVOSELOV, G. F. Monochromator for bremsstrahlung, 22:33700
NOVOSELOV, G. P. Extraction of plutonium by fluoride melts, 25:237
  Reaction of uranium and its alloys with alkali metal fluorides, 25:77
  System MoO$_3$—BaO, 25:4873
  System MoO$_3$—CeO$_2$, 25:4872
  System MoO$_3$—ZrO$_2$, 24:27890
  Thermal method for decladding stainless steel oxide fuel elements, 23:21802
  Thermal method of decladding stainless steel canned fuel elements, 23:38080
  Uranium—alkaline metal fluoride interaction, 23:38081
  Zirconium molybdate and its properties, 23:10266
NOVOSELOV, V. A. Magnetoresistance of molybdenum and tungsten (deviation from the Kohler rule), 22:13548
  Role of interelectron collisions in the electric resistance of transition metals, 25:33450
  Temperature dependence of electric resistivity of Dy at low temperatures, 21:3496
NOVOSELOV, V. S. Investigation of promethium complex formation, 24:39033
NOVOSELOVA, A. V. Constitution diagram of the Al—Be—Mg system, 21:11247
  Extraction of Be by organic solvents, 23:43389
  Structure and properties of beryllium—lanthanum alloys, 21:31012
  Systems BeF$_2$—YF$_3$ and KF—BeF$_2$—YF$_3$ with 5 mole percent KF, 24:27888
  Systems KF—YF$_3$, BeF$_2$—YF$_3$, K$_2$BeF$_4$—K$_3$YF$_6$, 22:45079
NOVOSELOVA, Aleksandra Vasil'evna Analytical chemistry of Be, 22:30438
NOVOSELOVA, G. S. Experimental radiation leukopenia, 24:29781
NOVOSELOVA, N. V. Investigation of faint meteor characteristics by the radio method, 25:49642
NOVOSEL'SKII, O. Yu. Hydraulic calculation of the cooling system of nuclear reactors, 22:7928
NOVOSKOL'TSEVA, G. A. Quasi-elastic ejection of electron by fast electron (e,2e), 22:50036
NOVOTEL'NOVA, N. S. Mutability of Verticillium, 25:26689
NOVOTNA, H. Complexation of Al, Y, La, and lanthanides with 4-(2-pyridylazo)resorcinol (PAR), 21:19545
  Reaction of uranyl ions with 4-(2-pyridylazo)resorcinol, 21:15848
NOVOTNA, O. Biological and physical properties of a leukemogenic agent, 23:33910
NOVOTNA, P. Absolute activity measurement of ^{3}H, 25:57505
NOVOTNEY, J. Exo-electron emission from activated CaSO$_4$ phosphors, 24:48328
NOVOTNY, Anthony J. Neutron activation analysis of stable dysprosium biologically deposited in the bone of Chinook salmon fingerlings, 22:4019
NOVOTNY, H. Scandium—C system, 22:733 (LA-tr-67-78)
NOVOTNY, J. Alpha dosimetry and spectrometry by solid-state nuclear track detector, 25:55026
  Conservation laws in general relativity, 23:23548
  Electronexoemission (EE) and thermoluminescence (TL) from doped calcium sulphate crystals, 23:7818 (CONF-680920-, pp 220-33)
  Fixation of radioactive cement sludges, 21:8568 (UJV-1609)
  Fixing radioactive waste with cement, 23:15928 (KFK-tr-260)
  G(Fe^{3+}) yield of Fricke—Miller ferrosulphate dosimeter for 60 keV x-rays from an x-ray tube, 22:23332
  Geometric interpretation of chronometric invariants in general theory of relativity, 25:53346
  Kinetics of radiocolouration and radioluminescence of aluminophosphate glasses, 22:9435
  Must it really be E = 0, 25:36581
  Personal monitoring of workers during the translocation of a ^{90}Sr—^{90}Y beta source by aid of TLD, 25:42444
  Possibilities for reducing harmful radiation doses in extraoral roentgenograms, 22:45525
  Thermoluminescent dosimetry using lithium fluoride in aqueous suspension, 25:39763
NOVOTNY, Jaroslav Fixation of radioactive wastes in concrete, 21:25953
NOVOTNY, Jiri Fixation of radioactive wastes in cement, 22:25515
NOVOTNY, John E. Buoyancy and solar spin-down, 24:3128
NOVOTNY, Josef Gamma dosimetry in the core of the WWR-S research reactor, 21:15775
  Open point counter for very soft sources β, 22:36054
NOVOTNY, K. Construction of an experimental loop, 23:26094
  Construction of an experimental loop, 24:19133
NOVOTNY, Karel Experimental gas loop, 24:38525 (ZJE-68)
  Experimental loop: Skoda, 24:19126 (NP-18146)
  Experimental loop, Skoda, 22:48984 (NP-17626)
NOVOTNY, P. Start-up and shut-down of DOR primary cooling system operated with polyphenyl coolant, 23:40336
  Thermokinetics of the fuel element casette of the fast reactor, 25:12801
NOVOTNY, Prokop Contribution to thermokinetics of reactor fuel elements in the form of concentric tube cluster, 21:40699
NOVOZHILOV, A. I. Calculation studies on the physics of large fast reactors, 23:52311 (JPRS-48331, pp 372-406)
  Design physics of large fast reactors, 23:47177
  Electron paramagnetic resonance in irradiated zircons, 23:30626
  EPR in irradiated zircon crystals with impurities, 23:3561
  EPR low-temperature centers in irradiated BaWO$_4$ and SrWO$_4$ crystals, 22:27828
  Possible application of "calculated costs" method to choice of fast reactor characteristics, 21:21804
NOVOZHILOV, Yu. V. Hadronic form factors and the current algebra in infinite momentum frame, 24:20169
  Noncompact noninvariance groups, 21:37903
  Nonlinear representations of group SU(3) and a model of SU(3)-symmetry violation, 23:51974
  Representation of the Poincare group in E(2) basis, 23:44703
  Representations of Poincare group in E(2) basis, 24:30545
  Superconvergent dispersion relations and I = 2 electromagnetic mass differences of hadron, 22:11617
  Theory of elementary particle symmetries, 21:21261
  Unitary representation of generalized Poincare group, 22:9641
NOVOZHILOV, Yuri V. Unitary representations of generalized Poincare groups, 23:1660
NOVOZHILOVA, N. P. Comparative studies of x- and γ-ray effects on dry seeds of wheat Lutescens-62, 21:26675
NOVRUZOV, O. N. Thermal conductivity of monocrystals of Y$_2$O$_3$, Er$_2$O$_3$, Lu$_2$O$_3$, and Sm$_2$O$_3$, 23:10283
NOVRUZOVA, Kh. I. Collapsed stars in binary systems, 25:45196
NOVTKOVA, N. R. Ultra fine-grained emulsions for autoradiography, 21:32704
NOVY, Jaroslav Effects of radiation on mutability factors in wheat, 24:50846
NOVYSH-BYLINSKAYA, V. N. Cyclic curves of critical F2-layer frequencies as a basis for forecasting f$_0$F2, 21:5185
NOWACKI, P. J. Diffusion velocity in ionized gases, 21:46339
  MHD cycles and large-scale experiments. VI, 22:5189
  Recent developments in the direct conversion of heat into electricity by means of magnetohydrodynamic electrical power generation, 22:24097
NOWACKI, P.-J. Theories and applications of plasma physics at low temperatures, 21:15010
NOWACZYNSKI, W. Procedure for determination of aldosterone in human peripheral plasma, 23:45621
NOWAK, B. Structure of niobium—titanium—hydrogen alloys, 23:48480
NOWAK, E. S. Calorimeter to investigate saturation behavior of heavy water and other fluids, 25:55092
  Enthalpy difference of heavy water, 23:33308
  Enthalpy of saturated heavy water liquid, 25:37399
NOWAK, Jurgen Production of spherical oxidic or carbidic particles from heavy metal salt solutions, 25:8922
NOWAK, Kazimierz Chemical and radiochemical parity control of ^{51}Cr, 21:43010 (INR-811/XIII/C)
NOWAK, M. J. Low-energy photon transport in liquid nitrogen, 25:5148
NOWAK, Maciej Behavior of tetraethylgermanium during activation in a nuclear reactor, 24:20795
NOWAK, P. Determination of deoxyribonucleoside triphosphates using ^{32}P, 23:28729
NOWAK, R. Magnetogasdynamic re-entry phenomena, 22:17455
NOWAK, R. M. Radiation-induced solid-state polymerization of methyl N-vinylcarbamate, 23:28880
NOWAK, Teresa Gravimetric determination of tellurium in silicon—magnesium master alloys, 25:54416
NOWAK, W. Influence of the electron cloud on the nuclear quadrupole moment, 24:35914
  Nuclear shell structure for trapezoidal and modified Gaussian radial density, 22:11988
NOWAK, W. B. Stability of the high-temperature phase in beryllium and beryllium alloys, 22:4797 (NMI-TJ-37)
  Use of thermocouples for temperature measurement during laser irradiation, 21:16252
NOWAK, Willy Effects of gamma radiation on growth of Azotobacter, 25:52270
NOWAK, Z. Radiation induced oxidation of certain petroleum fractions initiated by water emulsion of their radiolysis products, 21:23987
NOWAK, Zofia Effect of additives on radiolysis of mepasine, 25:46522
  ESR study of paramagnetic species in clathrates, 24:29342
  Radiolysis of diluent—TBP—HNO$_3$ systems, 25:54644
  Radiolysis of multiphase systems: hydrocarbons—water—oxygen. II, 22:16575
  Radiolysis of multiphase systems: hydrocarbons—water—oxygen. I, 22:25382
  Thin layer chromatography as a method for investigation of radiation changes in adsorbents and adsorbates, 23:40736
  Thin layer chromatography of radiation changes in adsorbents and adsorbates. II, 23:47577
NOWAKOWSKA, Z. Determination of boron by indirect neutron activation, 23:40586
NOWAKOWSKA-WASZCZUK, Anna Itaconic and itatartaric acid production by gamma isolates of A. terreus, 23:50449
NOWAKOWSKI, J. Scintillation—semiconductivity dosimeter for γ radiation, 23:38327
NOWAKOWSKI, W. Telecobalt gammagraphy of malignant tumours, 22:28585
NOWAKOWSKI, Wladyslaw CNS of rats irradiated with gamma rays. II, 24:32222
NOWEIR, M. Reactions (p,np tilde) on ^{91} ^{92} ^{94}Zr and ^{117} ^{119}Sn, 22:27211
NOWEIR, T. M. Experimental study of (^{3}He,dp tilde) reaction, 21:42628
  Reaction (^{3}He,d) followed by proton emission, 22:39629 (CONF-670970-, pp 229-42)
  Reaction (p,n) on ^{91}Zr followed by proton emission, 21:25526
NOWELL, John F. Management of pterygia, 21:22553
NOWELL, P. C. Clonal repopulation in reticular tissues of x-irradiated mice, 21:41477 (USNRDL-TR-67-79)
  Long-lived small lymphocytes in the rhesus monkey, 21:22717
NOWELL, Peter C. Biological significance of induced human chromosome aberrations, 24:25443
  Chromosome aberrations and immunological memory, 22:28433
  Clonal repopulation in reticular tissues of x-irradiated mice: effect of dose and of limb-shielding, 22:12903
  Etiology of leukemia, 21:11055
  Evidence for the existence of multipotential lympho-hematopoietic stem cells in the adult rat, 24:32227
  Late effects of x-irradiation in chemically protected mice, 24:17068
  Parental-F$_1$ hybrid bone marrow chimeras: high incidence of donor-type lymphomas, 24:41781
NOWICK, A. S. Prog. rpt. on defects in crystals, 6/66—3/67, 21:21909 (CU-3712-03)
  Prog. rpt. on defects in crystals, annual, 3/67—2/68, 22:21718 (CU-3712-05)
  Prog. rpt. on defects in crystals, annual, 3/69—2/70, 24:33577 (CU-3712-16)
NOWICKA-JANKOWSKA, T. Analysis of rare earths, 22:4054
NOWICKA-JANKOWSKA, Teresa Indirect colorimetric determination of europium in samarium and other rare-earth oxides, 25:34507
NOWICKI, S. Extraction efficiency of electrons in a betatron, 22:20385
NOWICKI, Stanley J. Physics results from Peach Bottom unit 1 operations, 24:7032
NOWIK, I. Electric field gradients and hyperfine fields in UFe$_2$, NpFe$_2$, and PuFe$_2$, 24:28445
  Hyperfine structure of ^{161}Dy in dysprosium salts, 22:22218
  Magnetic and quadrupole moments of 86.5 keV excited state of ^{155}Gd, 24:15881
  Magnetic and quadrupole moments of the 22-keV state of ^{149}Sm, 21:10043
  Magnetic moment and effective hyperfine field of Sm^{3+} in SmIG, 22:24425
  Spin relaxation phenomena in Moessbauer spectra of Dy compounds, 24:21894
NOWIK, Israel Dysprosium—gadolinium exchange interactions in gadolinium metal, 23:16902
NOWIKOWSKI, J. Construction and test of pulsed capacitor 1.6 μF—70 kV, 21:16218 (INR-710/XVIII/P)
  Current and voltage measurements on rod plasma gun "DP", 21:16913 (INR-714/XVIII/PP)
  Monochromator measurements of ion velocities in a rod plasma injector, 22:34590 (INR-P-883/XVIII/PP)
  Time behavior of spectral lines and dynamics of processes in rod plasma gun, 21:16904 (INR-719/XVIII/PP)
  Time behavior of spectral lines and dynamics of processes in RPI, 23:32362
  Use of a monochromator for the velocity and temperature measurements in a coaxial plasma accelerator, 21:29201 (INR-781/XVIII/PP)
NOWIKOWSKI, Jerzy Experimental device with rod plasma gun "DP", 21:16912 (INR-713/XVIII/PP)
  Measurements of ion velocities in rod plasma injector, 24:28240
  Research on plasma physics at Inst. of Nuclear Research, 22:52722
  Research on rod plasma injector, 24:28340
  Review of research on hot plasma, 22:9270 (INR-P-846/XVIII/PP)
NOWLIN, C. H. Pulse shaping for nuclear pulse amplifiers, 24:39397

  - Signal-to-noise ratios of gated filters for nuclear pulse amplifiers, 23:21987
  - Time variant filters for generating bipolar pulses with signal-to-noise ratios of unipolar pulses in nuclear pulse amplifiers, 23:35571
- NOWOSIELSKI, Janusz Gamma energy absorption phenomenon applied to scintigraphy, 24:34341
- NOWOTNY, H. Crystal structure of Cr$_{11}$Ge$_{19}$, Mo$_{13}$Ge$_{23}$, and V$_{17}$Ge$_{31}$, 21:26838
  - Crystal structure of W$_2$C, 22:30557
  - Crystal structure of W$_2$FeB$_2$, 23:34017
  - Investigation of high-melting systems, 24:23522 (UCRL-Trans-10448)
  - Miscibility of cubic multicomponent carbides, 22:43653
  - New H phases, 23:7505
  - Niobium: compounds with non-metals, 23:47434
  - Perovskite carbides with rare earth metals, 21:3552
  - Some advances in structural chemistry of alloys (T-X and T-M-X phases), 22:15215
  - Temperature dependence of the critical magnetic field of superconductors, 24:28192
  - Ternary complex borides in the systems: (Mo,W)—(Ru,Os)—B and W—Ir—B, 24:46807
  - Ternary system: Re—Fe—B, 21:6887
  - Thermochemistry of aluminides, 25:32692
- NOWOTNY, Hans Chemical bonding of refractory phases, 24:8202
  - Complex rare earth metal carbides and nitrides, 23:8320 (CONF-681020-(Vol.1), pp 309-22)
- NOWOTNY, P. Behavior of erythrocyte kinetics of patients with panmyelopathy, 25:49247
- NOWOTNY, R. Intensity profile of a neutron beam determined by the associated α-particles in the reaction T(d,n)^{4}He at deuteron energies around 200 keV, 25:38870
- NOXON, J. F. Auroral emission from O$_2$, 24:21687
  - Day airglow, 22:29336
  - Effect of magnetically conjugate photoelectrons on O I, 25:2959
  - Oxygen spectra in dayglow, twilight, and during an eclipse, 21:13459
- NOYA, Hiroshi One-nucleon-transfer reactions by the sudden approximation, 24:20424 (JAERI-1184, pp 96-9)
- NOYCE, Donald S. Decarboxylation of p-methoxy-β-methylcinnamic acid, 22:10223
  - Isotope effects in the acid-catalyzed hydration of phenylacetylene, 22:21075
  - Kinetic isotope effect in the formation of anthraquinone, 22:25352
  - Mechanisms for the acid-catalyzed hydrolysis of vinyl acetate and isopropenyl acetate, 24:5670
- NOYCE, Donald S. Sr. Mechanism of the acid-catalyzed hydration of phenylpropiolic acid, 22:4104
- NOYCE, J. R. Strontium-89 and ^{90}Sr in air at Fayetteville, Arkansas, 25:10711 (ORO-2529-28, App. 5)
  - Temporal distributions of radioactivity and ^{89}Sr/^{90}Sr ratios during rainstorms, 25:10707 (ORO-2529-28, App. 1)
  - Temporal distributions of radioactivity and ^{89}Sr/^{90}Sr ratios during rainstorms, 25:15791
- NOYER, Helene Action of chemical species generated from water radiolysis on carbon—carbon double bonds, 21:34299
- NOYES, C. R. Computer-based data acquisition and analysis using a randomly addressable reed-relay scanner, 25:41549
- NOYES, Clyde R. On-line, digital data handling and optimal control investigations at the Missouri University Research Reactor, 25:60185
- NOYES, H. P. Analysis and interpretation of the new nucleon—nucleon measurements near 25 MeV, 21:21615
  - Nucleon—nucleon interaction, 23:25648
- NOYES, H. Pierre Absolute value of A/sub xx/(90°) for proton—proton scattering at 11.4 MeV, 21:18898 (SLAC-PUB-238)
  - Annual review of nuclear science, 21:17560
  - Annual review of nuclear science. XVIII, 23:11394
  - Annual review of nuclear science. XIX, 24:15574
  - Binding energy of symmetric S state of triton, 23:25786
  - Calculations of the three-nucleon low-energy parameters, 22:32670 (SLAC-PUB-409)
  - Comment on the $^1S_0$ nucleon—nucleon effective-range expansion parameters, 25:56529
  - Comparison of moderate-energy proton-proton models. III, 21:38416
  - Exterior three-particle wave function, 24:3553
  - Physical information needed to solve the three-nucleon problem, 23:31076
  - Two and three nucleon systems obtained and obtainable from use of polarized targets and beams, 21:13713 (SLAC-PUB-256)
  - Unique determination of three proton—proton scattering parameters at 9.69 MeV, 21:46665
  - Unitary phenomenological description of three-particle systems, 24:40413
- NOYES, Horace E. Shielded shipping container for fissile material Class I or large quantities of radioactive material, 25:44568 (LA-4686)
- NOYES, R. Effect of economic parameter variations on cylindrical LMFBR core optimization, 23:4255
  - Effect of fluence-limiting LMFBR cores, 25:41383
- NOYES, R. C. Aspects of FBR thermal and hydraulic analysis, 22:42204 (RT/ING-(68)7)
  - Boiling sodium heat transfer, 21:5702 (NAA-SR-Memo-11860)
  - High performance breeder as a primary development goal, 24:18593
  - Methods for theoretical analysis of coolant ejection in FBR's, including description of ETNA code, 22:42205 (RT/ING-(68)10)
  - Review of FBR core design problem areas, 23:11281 (CONF-680419-, pp 437-44)
- NOYES, R. W. Differences between quiet and active regions, 23:48670
  - Harvard-Smithsonian reference atmosphere, 25:49665
  - Solar intensity profile in far ir and mm regions, 22:17288
- NOYES, Richard C. Development and evaluation of combustion engineering advanced 1000-MWe LMFBR design, 23:47161 (ANL-7520(Pt.2), pp 291-330)
- NOYES, Richard M. Oscillations in chemical systems. I, 25:46398 (RLO-2230-T-2-1)
  - Polar exchange of iodine molecules with substituted benzhydryl iodides, 24:38680 (RLO-1310-15)
  - Prog. rpt. on diffusion controlled reactions and exchange solution, annual, 6/70, 24:33596 (RLO-1310-16)
  - Prog. rpt. on diffusion controlled reactions and exchange reactions in solution, annual, 6/71, 25:34573 (RLO-2230-T-2-2)
  - Reactions of chloride ion with 5-methyl-2-cyclohexenyl chloride, 22:21069
  - Thermodynamic properties of the hydrated electron, 23:47501
- NOYES, Robert W. Extreme ultraviolet observations of active regions in the chromosphere and the corona, 24:25901
  - Solar Lyman continuum and the structure of the solar chromosphere, 25:11614
  - Spectral observations of spicules at two heights in the solar chromosphere, 23:1124
  - Ultraviolet solar images from space, 23:5159
  - Ultraviolet studies of the solar atmosphere, 25:47271
- NOYORI, Kimiharu S. Threshold of the retina to damage by laser energy, 21:22679
- NOZ, Marilyn Eileen Projection operator techniques for SU$_3$, 24:13123
- NOZAKA, Mitsunobu Scattering of electromagnetic waves by a cylindrically inhomogeneous plasma, 22:15538
- NOZAKI, Fumio Correlation between grafting rate and swelling degree in liquid-phase graft polymerization of styrene onto preirradiated polynosic rayon, 22:33445
  - Influences on reaction rate of emulsion grafting of styrene onto pre-irradiated rayon, 22:33444
- NOZAKI, Hiroshi Appropriate fields of radioisotopes to the research in animal production, 24:31821
  - Method for removing radioactivity from milk, 24:16634
- NOZAKI, Ken Double-cell coulometric determination of alkali and alkaline earth metals, 25:23519
- NOZAKI, T. Charged particle activation analysis for C, N, and O, 24:16463
  - Detailed investigation of 80 TeV nuclear interaction, 24:35605 (SJC-P-70-3)
  - Neutron activation analysis of U in human bone, drinking water, and daily diet, 25:46457
  - Preparation of anhydrous H^{18}F, 22:12368
  - Systematic investigation of ultra high energy interactions. II, 24:35604 (SJC-P-70-2)
  - Ultrahigh-energy interaction as particle physics, 21:37839
- NOZAKI, Tadao Detailed investigation of an 80-TeV nuclear interaction, 25:9641
  - Systematic investigation of ultra high energy interactions. II, 25:12093
- NOZAKI, Tadashi Charged particle activation analysis for C, N, and O in semiconductor in Si, 24:47
  - Radioactivation analysis of semiconductor graphite for N by the ^{14}N(p,α)^{11}C reaction, 21:5807
- NOZAKI, Toru Cation exchange separation with oxalate, 23:15956
- NOZAKI, Yoshio Radionecrosis of the ribs in a patient with mammary carcinoma, 22:28568
- NOZAKI, Yukinori Determination of metals in life tissue by atomic absorption method. I, 24:16428
- NOZARI, M. Separation of rare earths. XIII, 24:11688
- NOZAWA, M. Parametric studies leading to nuclear characteristics of JAERI design studies, 23:47182 (ANL-7520(Pt.2), pp 99-109)
  - Plant system parametric study on sodium-cooled prototype fast breeder reactor, 23:47156 (ANL-7520(Pt.2), pp 110-20)
  - Reasons for choice of major mechanical designs in the JAERI design studies, 23:47155 (ANL-7520(Pt.2), pp 90-8)
  - Reference concepts of the JAERI large fast reactor design studies, 23:47153 (ANL-7520(Pt.2), pp 77-85)
  - Safety consideration in setting the design criteria on the JAERI design studies, 23:47218 (ANL-7520(Pt.2), pp 67-76)
  - Special engineering problems involved in the JAERI design studies, 23:47154 (ANL-7520(Pt.2), pp 86-9)
  - Testing of feasibility of ball bearings in liquid sodium environments, 23:46036 (ANL-7520(Pt.2), pp 121-9)
  - Theoretical and experimental works on fast reactor physics in Japan, 22:18569
- NOZAWA, Masao Development of experimental multi-purpose high temperature gas-cooled reactor, 25:60202
  - Friction and wear of ball bearings in liquid sodium, 25:16409
  - Neutronic characteristics of a large fast converter. 4, 25:51044 (JAERI-13590)
  - Overseas general trends of multi-purpose HTR developments, 25:18114
  - Sodium-cooled 1,000 MWe fast breeder reactor design study, 21:23657
  - Steam generator or heater for an atomic power generating plant, 23:37607
  - Variations in neutronic characteristics of a large fast converter along with burnup, 25:51043 (JAERI-13505)
- NOZAWA, Reikichi Neutron importance and variational formulation in reactor physics, 21:27663 (AD-634843)
  - Propagator for disturbances in a plasma, 21:23190
  - USAEC's new standard table of enriching services for uranium hexafluoride, 22:18902
- NOZAWA, S. Studies on plutonium utilization in power reactors and system analysis of long-term fuel cycle, 25:54138 (A/CONF.49/P-822)
- NOZAWA, Shunya Development of experimental multi-purpose high temperature gas-cooled reactor, 25:60202
- NOZAWA, Yasuo ESR spectra of γ-irradiated linear aliphatic polyesters, 24:29326
- NOZDRACHEV, M. G. Investigation of a discharge in a pulsed plasma source, 21:3878
- NOZDRIN, I. Kh. Engineering of large spark chambers and power pulse supplying generators, 23:16158 (JINR-P13-4191)
  - Technology of building large-size spark chambers, 23:24463 (SLAC-Trans-94)
- NOZDRYN-PLOTNICKI, Boguslaw Gamma dose in rectum during treatment of carcinoma of uterine cervix with radium, 25:24274
- NOZHKIN, A. D. Behavior of the rare earths and uranium in vesuvianite skarns, 25:51645
- NOZICKA, Frantisek Axioms of the special theory of relativity, 22:24714
  - Spaces of simultaneous events in special relativity theory, 24:1656
- NOZIERES, P. Collective effects in atoms, 22:26211
  - Motion of flux lines in type II superconductors, 21:2146
  - Resistivity of a superconductor in the intermediate state, 25:47478
  - Superfluidity in Bose and Fermi liquids, 21:18571
  - Transport equations in clean superconductors, 23:46444
- NOZIK, Arthur J. Paramagnetic and electric quadrupole hyperfine interactions of ferric ions in ice and FeCl$_3$.6H$_2$O, 22:48159 (YALE-3219-19)
  - Significance of lattice contribution to Moessbauer quadrupole splitting, 21:37611
- NOZIK, V. Z. Double spectrometer of slow neutrons DIN-1, 23:22056 (FEI-129)
  - Neutron thermalization process in time in graphite and beryllium, 22:26765 (AERE-Trans-1084)
- NOZIK, Yu. E. Neutron-diffraction study of W$_2$C rhombic modification, 23:14411
- NOZU, K. Chromatographic studies on rapidly labeled RNA prepared from ultraviolet-irradiated Pseudomonas effusa, 21:32578
- NOZU, Keiichi Base complementarity between rapidly labeled RNA in E. coli B infected with uv-irradiated T$_2$ phages and T$_2$-DNA, 23:7955
  - Change in base composition of messenger RNA of E. coli, 23:38490
- NOZUE, Yushin Fate of patients administered Thorotrast more than 22 years previously, 21:24574
  - Malignancy and other injuries following Thorotrast administration, 22:40906
  - Spindle-cell sarcoma in the syrian hamster produced by Thorotrast, 21:11049
- NUBBEMEYER, H. Stark broadening of carbon I spectral lines in an arc plasma, 23:34404
- NUCCIOTTI, Alessandro Analysis of EPR spectra of oxidizing catalysts, 25:14482
- NUCCIOTTI, L. Center for detection of radioactive contamination in foods, 22:47536
- NUCHE VAZQUEZ, F. Concentration and solidification of liquid radioactive wastes, 24:2414 (JEN-204-DMa/I-24)
- NUCIFORA, Giuseppina Determination of Sc and Cs traces in five Predazzo granites by neutron activation analysis, 22:27607
  - Electrical conductivity of biological and organic compounds. III, 24:19023
  - Electrical conductivity of biological and organic compounds. IV, 25:37409
  - Neutron activation analysis of Co, Zn, Cr, Sc, and Ni traces, 21:40794
- NUCKOLLS, D. E. Fabrication of ceramic components for use in plutonium electrorefining, 21:36903 (LA-3707)
  - Fabrication of ceramic components for use in plutonium electrorefining, 22:31442
  - Fabrication of ceramic components for use in plutonium electrorefining, 23:10265
- NUDELMAN, Earl J. Stomach uptake simulating tumor following the intra-arterial injection of ^{75}Se-selenomethionine, 25:24253
- NUDING, E. Contribution to the numerical solution of the three-dimensional neutron diffusion equation, 21:31689
  - Quadrupole theory and transmission matrix method in reactor calculation, 22:48778
- NUDING, Erich Reactor calculations using transmission- and reflection-matrices, 22:27496
- NUDING, J. M. Forced reduced superconductor toroid, 21:7141
- NUDING, James M. Joining beryllia to another ceramic body, 24:25774
- NUEBURGER, M. Neutron activation analysis in detection of pollutant elements retained by plants, 25:31885
- NUECKER, Nikolaus Neutron scattering length of bismuth atom, 23:49302
- NUEHRENBERG, J. Adiabatic electron plasma and its equation of state, 24:49146 (COO-2059-3)
  - Adiabatic electron plasma and its equation of state, 25:19675
- NUEHRENBERG, Juergen Difference scheme for Vlasov's equation, 25:5096 (COO-2059-5)
  - Linear and toroidal magnetohydrostatic equilibria, 24:19906 (IPP-6/77)
  - Magnetohydrostatic $l = 1$, finite β stellarator equilibrium, 24:40123
- NUERNBERG, H. W. Evaluation of γ-spectra with programs, 23:28758
  - Vibrational spectra and force constants of UF$_4$, 24:29275
- NUESCH, E. Noise of transistors at very low frequencies, 22:33703
- NUESE, C. J. Defect centers in GaAs/sub 1-x/P/sub x/ diodes due to electron irradiation, 24:42768
  - Efficiency degradation of GaAs/sub 1-x/P/sub x/ electroluminescent diodes, 24:21046
- NUESSE, Michael Factors affecting the energy—range relation of fast electrons in aluminium, 23:22890
- NUESSLIN, F. Investigation of (^{3}He,^{3}He) and (^{3}He,t) reactions on ^{10}B, ^{11}B, and ^{12}C, 25:9993
  - Reactions (^{3}He,t) on ^{6}Li and ^{7}Li, 24:45736
  - Search for width variations of short-lived states formed in three-body reactions, 23:10952
- NUETZEL, G. ISAR II: 500 kJ double-fed linear theta-pinch, 22:46105 (IPP-4/58)

Status report on Garching Tokamak experiment Pulsator, 25:30584 (EUR-4593, pp 411-17)
System planning for a prototype fusion reactor, 25:30593 (EUR-4593, pp 533-8)
NUFFIELD, E. W. X-ray diffraction methods, 22:20092
NUGENT, A. Inhomogeneous deformation effect in Zircaloy-4 rolled plate, 22:21693 (KAPL-P-3406)
NUGENT, Brian Improvements in and relating to nuclear reactors, 21:8169
NUGENT, C. A. Radioimmunoassay for plasma aldosterone, 24:31876
NUGENT, G. Ordered-bed fast reactor concept, 22:9992 (BNL-50027)
NUGENT, L. J. Electron-transfer and f → d absorption bands of some lanthanide and actinide complexes and standard (III—IV) oxidation potentials for each member of lanthanide and actinide series, 25:57437
Energy differences between electron configurations for lanthanide and actinide atomic vapors, 25:49720
Intramolecular energy transfer and sensitized luminescence in an Es β-diketone chelate, 25:6334
Theoretical treatment of energy differences between f/sup q/d^{1}s^{2} and f/sup q+1/s^{2} electron configurations for lanthanide and actinide atomic vapors, 25:52605 (CONF-711001-(Vol.1), pp 35-51)
Theory of tetrad effect in lanthanide(III) and actinide(III) series, 25:6337
NUGENT, Maurice J. Metallocenyl carbonium ions, 24:190
NUGENT, R. C. Engineering—geologic investigations, Project DANNY BOY, 21:8488 (PNE-5005)
NUGENT, Robert C. Preshot geologic and engineering properties investigation, 22:51124 (PNE-905)
NUGMANOV, E. U. Alterations in radiosensitivity of ascitic Ehrlich tumor, 21:28663
Changes of chromosome numbers in Ehrlich ascites tumor cells induced by x-rays, 22:33790
Role of chromosome changes in the formation of tumor radioresistance, 24:34698
Some peculiarities of post-radiation recovery in a radioresistant subline of Ehrlich's ascites tumor, 24:34702
Study of radiosensitivity of the original and radioresistant subline in Ehrlich's ascites carcinoma after its transformation into a solid form in conditions of explantation, 24:34586
NUIC, M. Implications of renal scintigraphy, 25:24242
NUIC, Marina Clearance mechanism of RES following application of high doses of ^{198}Au with respect to distribution kinetics as well as adaptation capabilities, 24:34056
NUKAZUKA, Hideo Fuel cycles of nuclear reactors in Japan, 22:32849
NULAND, Sherwin B. Scan evidence of organ involution and improvement of hypersplenism in Hodgkin's disease following splenic artery ligation, 25:19058
NULL, M. R. Measurement of thermal diffusivity by the phase-shift method, 24:39651
NULLENS, G. C. Irradiated and unirradiated elastomers, 24:42299 (DP-Report-202(Pt.1))
Leak rate measurements, 24:43739 (NP-10869)
Properties of irradiated elastomer. II, 24:42300 (DP-Report-202(Pt.2))
Tests on selector valve prototype, 24:39166 (DP-Report-118)
Valve component geometry and materials, 24:41568 (DP-Report-259)
NULLER, B. M. Solution of the problem in elasticity theory of a truncated hollow cone, 25:41670 (SC-T-713037)
NULMAN, R. Multiparticle production model with charge conservation, 25:59512
NULMAN, R. M. Radioactivity in Mexican environment, 22:23514
NUMAKUNAI, T. Microdosimetry, 24:46608 (JAERI-4047)
NUMAKUNAI, Takao Calculation of primary energy transfer and effective inactivation cross section of targets for heavy charged particles, 23:51361 (JAERI-1179)
Survival rates and effective inactivation cross sections of targets for heavy charged particles, 24:706 (JAERI-1180)
NUMAKURA, Toshio Magnetic amplifier for low-level input signals, 23:735
NUMANO, Masahiro Performance of MHD power generator, 23:44220
NUMANOV, I. U. Neutron-activation determination of Mn and Cu in crude oil, its fractions, and ashes, 23:45233
NUMANOV, I. U. Quantitative estimation of V and Ni in crude oil, in its fractions and ashes by the method of neutron activation, 23:47409
NUMATA, Takao Hydromagnetic stability of free flows at large Reynolds numbers. III, 23:44227
NUMEROF, Paul Preparing sterile radioactive material, 23:28982
Progress in radiopharmaceutical development, 23:50658
Radioactive package and container therefor, 22:23251
NUMMEDAL, D. X-ray-induced thermoluminescence of some proteins, 23:41243
NUMMINEN, K. Fuel for nuclear power plants, 23:48464
Nuclear power plants, 24:20478
Nuclear power plants and their operational characteristics, 23:47213
NUMMINEN, Kalevi Nuclear power plant from the user's point of view, 24:26694
Nuclear power plant in Loviisa, 25:20559
NUMRICH, S. Magnetic transitions in ^{28}Si excited by 180° electron scattering, 24:15852
NUMRICH, S. K. 180° electron scattering from ^{3}He and ^{4}He, 24:52402
$\Delta T = 1$ magnetic quadrupole transitions in ^{24}Mg, 24:40592
Excitation of ^{20}Ne by 180° electron scattering, 25:45958
NUMRICH, Susan Alpha-particle model of ^{12}C and ^{16}O, 24:52452
NUMRICH, Susan K. Survey on photon activation analysis using NRL Linac, 25:4041 (AD-709901)
NUNAMAKER, T. Design and performance of 1.5 m^{2} wire spark chambers, 22:40464
Television measuring projector for bubble chamber photographs, 22:10598
Use of IBM-compatible incremental magnetic tape recorder as an input/output device for multichannel analyzer, 21:26290
NUNAMAKER, T. A. High sensitivity wire spark chamber readout useful in strong magnetic fields, 22:40466
Modification of the Charpak chamber with foil supported conductors, 24:39280
Pulse time delay circuit employing tunnel-diode and switch combination gated in response to ramp input, 21:1697
Wire spark chamber design and performance using FET, capacitor readout, 25:13264 (CERN-70-21(Vol.2), pp 539-48)
Wire spark chamber readout using capacitors and field effect transistors, 22:28167
NUNAN, C. Positron acceleration in the Frascati 450-MeV linear accelerator, 21:11862 (LA-3609, pp 435-8)
NUNAN, C. S. Microwave electron accelerators in the medium energy range, 21:38142
NUNAN, Craig S. High energy charged particle pulse length and energy control apparatus, 23:1747
High energy particle generator, 22:41908
Microwave electron accelerators, 24:26566
NUNBERG, P. Effect of short-range correlations and charge-dependent nuclear forces on the energy of the analog state, 25:3753
Gamma spectroscopic research with 0.1 MW reactor, 22:50604
Rotational bands in ^{181}Ta, 21:13890
NUNEMAKER, Rodney Dale Effects of electromagnetic retardation in photodisintegration of deuteron, 24:10906
NUNES, A. C. Vertically bent pyrolytic graphite crystals applied to triple-axis neutron spectrometry, 25:48971
NUNEZ, J. Ultrastructure and autoradiography of isolated thyroid cells incubated in presence of ^{125}I, 24:2565
NUNEZ, P. Modification of the quasilinear theory by the spontaneous emission of plasma waves, 23:39487
Modification of the quasilinear theory by two-body collisions, 24:15330
NUNEZ, Paul L. Electron plasma wave growth, 25:3157
Longitudinal wave propagation in a plasma, 25:19743
NUNGE, Richard J. Prog. rpt. on pulsating turbulent flow, annual, 6/1/69—2/28/70, 24:9580 (NYO-4102-1)
NUNLEY, C. E. K-II centrifuge instruction manual, 22:30746 (K-L-2532(Rev.)(Add.1))
NUNN, A. D. ^{52}Fe: improving its recovery from cyclotron targets, 25:57486
Preparation of carrier-free ^{62}Zn for medical use, 24:9404
NUNN, D. Nonlinear wave particle processes in an electrostatic wave packet, 25:30613
NUNN, D. L. Fine structure, hyperfine weights, and reactivity worths in Hartlepool A.G.R. cluster, 25:1787 (RD/B/N-1724)
New version of PRIZE program for collision probability calculations in R—Z geometry, 24:9161 (RD/B/N-1410)
NUNN, R. M. Fuel cycles for advanced gas cooled reactors, 22:22779
NUNN, S. E. Fuel cycle costs for fast breeder reactors, 22:48635 (BNWL-SA-2052)
Fuel cycle parameters of sodium cooled fast breeders, 24:46062 (BNWL-965)
Production costs for ^{238}Pu in a PWR, 23:37532
Survey of fuel reprocessor plans for recovering neptunium and a projection of neptunium quantities available through 1980, 24:2262 (BNWL-1205)
NUNN, W. M. Jr. Laser in medicine and biology, 23:50748
Laser radiation in medical research, 22:28326
NUNNALLY, James E. Radium safe and leak testing system, 23:50780
NUNO, E. Preliminary studies of static leaching of the U lignites of the region of Calaf, 21:40978
NUNOGAKI, M. Ion source using a beam—plasma interaction, 25:30255 (EUR-4593, pp 67-74)
NUNOME, Keichi Behavior of peroxy radicals trapped in γ-irradiated polypropylene, 23:26304
Cobalt-60 irradiation facility, 24:31571
Electron spin resonance studies on graft copolymerization of gaseous styrene onto preirradiated polypropylene. I. Preirradiation in the presence of oxygen, 24:38904
NUNOTANI, Takeshi Effect of x ray irradiation on the growth of the fowl embryonic femora and the repair of its injuries in tissue culture, 21:13035
NUNOYA, Takesi Effect of irradiation on repair of bone fractures, 21:14729
NUNWARZ, Christine Determination of diffusion parameters in lead with thermal neutron pulses, 23:42837
Method of thermal neutron waves for determination of diffusion parameters in heavy materials, 25:31177
NUNZIATO, Jace W. Radiation generated wave propagation in elastic nonconductors, 24:42754 (SC-RR-70-428)
NUOTIO, V. S. Relativistic theories of gravitation, 23:5679
NUOVO, M. Internal friction due to long-range diffusion of H in Nb, 24:6194
Internal friction due to long-range diffusion of hydrogen and deuterium in vanadium, 24:48832
NUOVO, Mario Migration of point defects and dislocation relaxation in tantalum, 21:18270
New ultrasonic method of studying the migration of point defects to dislocations, 21:20501
NURDIN, G. Calculation of solid angle between source and detector, 21:43266
Solution of the equation of transport by the method of moments, 23:30611
NURDIN, Guy Shielding thickness required to reduce neutron flux or dose rate, 25:43416 (NP-18863)
NURGALIEV, K. Influence of S-2-aminoethylisothiuronium on development of sclerotic changes in kidneys of irradiated animals, 23:18075
NURI, M. Experimental scintigraphy of thrombi in animals, 25:11214
NURIEV, K. Z. Fine structure of the distribution function of an electron beam interacting with a plasma, 25:1193
Fine structure of the distribution function of an electron beam interacting with a plasma, 25:52811
NURITDINOVA, M. Titration of Ce in mixture with Al, Cu, or Fe, 24:11414
NURKKANEN, P. Automatic angular correlation measuring system, 25:51888
NURMANOV, M. Sh. Electron therapy of tumors, 24:50912
NURMATOV, D. Activation analysis for determining the content of Ta and Cs in rocks, 25:2145
Activation methods for determining content of Ta and Cs in rocks, 25:8230
NURMIA, J. Decay properties of the new isotope ^{243}Cf and of ^{244}Cf, 21:21553
NURMIA, M. Chemical separation of rutherfordium, 25:13088
Defence of the Berkeley work on alpha-emitting isotopes of element 104, 25:25777
Determination of No(II)—No(III) potential from tracer experiments, 24:2184
Positive identification of two alpha-particle-emitting isotopes of element 104, 23:40042
Rutherfordium-261: new isotope of element 104, 24:49899
Spontaneous fission of light Fm isotopes; new nuclides ^{244}Fm and ^{245}Fm, 22:14016
NURMIA, M. J. Dy(^{40}Ar,xn)Po reactions, 24:38249
NURMIA, Matti Alpha decay of ^{255}No and ^{257}No, 25:5704
Investigations of transuranium elements at Berkeley, 24:48125
New element hahnium, atomic number 105, 24:45791
Preparation and use of Ge (Li) gamma detectors, 21:281
NURMIA, Matti J. Alpha-decay properties of neutron-deficient isotopes of emanation, 21:38364
Analysis of excitation functions in Cm(C,xn)No reactions, 22:44740
Isotopes of element 102 with mass 251 to 258, 21:17368
NURMINA, M. Tracer chemical studies of Lr, 25:2197
NURMINEN, J. I. Strain-anneal growth of large grains in a gallium-stabilized delta-plutonium alloy, 22:4779
NURMINSKII, N. N. Determination of germanium and molybdenum in coal, 25:48446
NURMUKHAMEDOV, B. Method of irradiation of biological objects in a unique stationary strong γ installation, 23:43878
NURMUKHAMEDOV, B. N. Venous and lymphatic channel under ionizing radiation, 25:32561
NURMUKHAMEDOV, V. Kh. Preparation of very pure stoichiometric lanthanum hexaboride, 25:40096
NURPEISOV, B. Analysis of nuclear interactions by the maximum-momentum method, 25:53214
Average number of prompt neutrons in fission of ^{235}U and ^{239}Pu by neutrons, 25:15116
NURUDDIN, Azra Neutron flux measurements in the experimental facilities of the Pakistan Research Reactor, 22:6097 (PINSTECH/PHY-7)
NURUL ISLAM, A. B. M. Prospects of small and medium-size power reactors in Pakistan, 23:37406
NURUSHEV, S. B. Asymmetry in the emission of π^{+} mesons in 612 MeV pp-collisions with a polarized proton beam, 21:17036
Filmless optical method of rapid removal of information from spark chambers, 24:27414
Hodoscope based on small photoelectron multipliers, FEU-85, 25:34864 (IFVE-SEF-70-17)
Possibility of using polarized target to search for W boson in NN collisions, 25:33542
Scintillation counters employing the miniature FEU-60 photomultiplier, 25:48997
System of connection of scintillation hodoscope in line with computer Minsk-22, 23:45543 (IFVE-SEF/SVM-68-78)
NURZYNASKI, J. Tensor polarization and differential cross section for ^{9}Be(d,d)^{9}Be elastic scattering at low energies, 25:20293
NURZYNSKI, J. Dependence of spectroscopic factors on parameters of distorting potentials for reaction ^{26}Mg(tau,α)^{25}Mg, 23:49352 (ANU-P-461)
Differential cross sections for reaction ^{26}Mg(tau,α)^{25}Mg measured at E/sub tau/ = 10.2 MeV, 23:49350 (ANU-P-454)
Distorting potentials for ^{26}Mg(tau,α)^{25}Mg, 24:43191
Energy dependence of ^{16}O(^{3}He,^{3}He)^{16}O and ^{16}O(^{3}He,α_{0})^{15}O angular distributions in range 9.8 to 11.7 MeV, 23:23631
Energy-dependence of ^{16}O(^{3}He,^{3}He)^{16}O and ^{16}O(^{3}He,α_{0})^{15}O angular distributions in the range 9.8 to 11.7 MeV, 23:23623 (ANU-P-433)
Experiments with polarized deuteron beams, 23:44948 (ANU-P-440)
Isotopic-spin effects in elastic scattering, 21:7827
j -dependence of $l = 1$ transitions in ^{54}Cr(d,p)^{55}Cr reaction, 24:10943 (ANU-P-475)
j-dependence of $l = 1$ transitions in the ^{54}Cr(d,p)^{55}Cr reaction, 24:26614
Low-energy helions scattered from ^{16}O nuclei, 23:46917
Optical model ambiguities for ^{22}Ne(^{3}He, ^{3}He)^{22}Ne elastic scattering at 10 MeV, 22:37313 (ANU-P-405)
Optical-model ambiguities for ^{22}Ne(^{3}He,^{3}He)^{22}Ne elastic scattering at 10 MeV, 22:37323
Optical-model for low energy helions scattered from ^{16}O nuclei, 23:32897 (ANU-P-444)
Polarization phenomena for spin-1/2 and spin-1 particles, 21:12094
Proposals for experiments on elastic scattering, 21:19317

Reaction ^{27}Al(^{3}He,α)^{26}Al at 10-MeV bombarding energy, 22:9809
Reaction ^{28}Si(^{3}He,α)^{27}Si at E(^{3}He) = 12 MeV, 23:34759
Spin of 2.78-MeV state in ^{19}Ne, 23:23621 (ANU-P-430)
States in ^{21}Ne near 3 MeV, 21:35443
Tensor polarization and differential cross section for ^{9}Be(d,d)^{9}Be elastic scattering at low energies, 24:28702 (ANU-P-481)
Tensor polarization of deuterons from Mg(d,d)Mg elastic scattering at 7.0 MeV, 25:20342
Tensor polarization of deuterons from the Mg(d,d)Mg elastic scattering at 7.0 MeV, 25:25660 (ANU-P-498)
Tensor polarization of deuterons from Mg(d,d)Mg elastic scattering at 7.0 MeV, 25:53714
NUSBAUM-CASSUTO, Era Biosynthesis of acyclic carotenoids in mutant of Rhodotorula mucilaginosa, 21:32628
NUSIMOVICI, Michel A. Normal vibration modes of beryllium oxide, 23:27707
NUSSBAUM, Christian Effects of interferences in reaction ^{7}Li(d,n)^{8}Be in neighborhood of resonance at 1 MeV, 23:19177
NUSSBAUM, G. Charge-changing cross sections for 0.4- to 4.0-MeV Al ions in N, 24:51440
NUSSBAUM, G. H. Equilibrium charge fractions of aluminum ions in nitrogen from 0.4 to 4.0 MeV, 24:23800
NUSSBAUM, Herman Phantom dosimetry study of shaped ^{60}Co fields, 22:51637
NUSSBAUM, M. Cross section for the reaction $\pi^- + p \rightarrow n +$ neutral particles for pions in the momentum range 0.78 to 5.3 GeV/c, 21:33612
Neutral decay modes of the eta meson, 21:29428
Neutral decay of ω meson, 21:37707
Study of di-pion from reaction $\pi^- + p \rightarrow n + \pi^0 + \pi^0$ at 1.53 and 1.27 GeV/c, 23:14982
NUSSBAUM, M. M. Neutral πrho enhancements produced in 8-GeV/c π^+d interactions, 23:36848
NUSSBAUM, R. H. Moessbauer emission from atoms in relaxing localized modes, 22:32018
Relaxation narrowing and thermal shift of Moessbauer lines, 21:11713
NUSSBAUM, Rudi H. Interpretation and applications of Moessbauer fraction experiments, 21:849
Lattice-dynamical properties of ^{57}Fe impurity atoms in Pt, Pd, and Cu from precision measurements of Moessbauer fractions, 22:46212
NUSSBAUMER, Donald A. AEC regulations for the packaging of radioactive materials for transport, 25:48886 (PB-189506, pp 42-60)
Implementation of new AEC transport regulations—10 CFR 71, 23:550 (CONF-681001-, pp 37-46)
NUSSBAUMER, H. [Fe I] lines: their transition probabilities and occurrence in sunspots, 25:27365
Forbidden emission lines of iron in Seyfert galaxies, 24:46960
Forbidden transitions in the C I sequence, 25:32929
Identification of [Cr II] lines in astronomical objects, 25:6957
Importance of temperature variations in the formation of line profiles, 22:29157
Ionization of Li$^+$ and Mg$^+$ by electron impact, 24:17673
Problem of the solar iron abundance, 24:46942
Program for calculating atomic structures, 24:3197
Relative intensities of Bowen lines, 24:19534
Vector coupling coefficients for complex atoms, 24:21606
NUSSELT, Lothar Effects of local liver irradiation in rabbits on the detoxification capacity by coupling with glucoronic acid, 24:36709
NUSSENZVEIG, H. M. Applications of Regge poles to short-wavelength scattering, 25:59615
Causality in nonrelativistic quantum scattering, 23:19022
NUSSENZWEIG, R. Protective immunity produced by the injection of x-irradiated sporozoites. V, 24:2582
Protective immunity produced by the injection of x-irradiated sporozoites. IV, 24:2583
NUSSENZWEIG, R. S. Protective immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei, 21:45849
Specificity of protective immunity produced by x-irradiated P. berghei sporozoites, 23:31677
NUSSENZWEIG, Ruth S. Immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei. II, 25:29727
Protective immunity of x-irradiated sporozoites of P. berghei. II, 23:29723
NUSSEY, Susan Mitotic inhibition after x irradiation, 22:8468
NUSSINOV, S. Calculations of K$^+$ - K^0 mass difference, 25:30800
Charged multiplicity spectrum in terms of statistical model, 25:41013
Conservation sum rules, 24:1551
Contributions of Regge cuts to forward nucleon—nucleon scattering, 21:37843
Current conservation, VDM, and decay processes, 25:22809
Diffractive 2 π production and π—π interactions, 22:46407
Exchange of coherent particle states and the relativistic eikonal expansion, 25:47978 (ORO-3992-46)
Fifth interaction and baryon masses, 25:14706
Finite dispersion approach to $\omega \rightarrow \pi\pi\gamma$ decay, 24:40379
Implications of Regge behavior for processes involving photons, 21:37751
Possible connection between chiral symmetry breaking and the nonet of tensor trajectories, 25:14769
Scaling and dilation invariance, 25:28057
Some remarks on superconvergence relations, 21:37791
Superconvergence sum rule for nucleon magnetic moment, 21:42309
Universal isovector current with many 1$^-$ poles, 24:32984
NUSSINOV, Shmuel Current—current interaction and calculation of the nonleptonic baryon decays, 23:7126
Duality and nonleptonic hyperon decay, 24:3611
Duality and nonleptonic hyperon decay, 24:49409
Graphical method for multi-soft-pion processes, 21:27354
High-energy limit of photon scattering on hadrons, 21:42310
Improved upper bound on the imaginary part of elastic scattering amplitudes, 25:3460
NUSSLI, J. Design and characteristics of present-day photomultipliers, 23:7917
New developments on photomultiplier tubes at RTC (La radiotechnique: compelec), 24:39284
Photomultipliers and the transfer technique, 24:19269
NUSYNOWITZ, M. L. False positive brain scan associated with febrile convulsions, 24:50992
NUSYNOWITZ, Martin L. Automation in the nuclear medicine laboratory: an algorithm for interpolation on a 5 point standard curve, 24:44557
Determination of the modulation transfer function (MTF) using a programmable calculator, 25:51866
Determination of thyroxine iodine by competitive binding analysis, 23:50241
Predictability of red cell volume from RISA blood volume, 24:44558
System for computer processing of radiopharmaceutical disbursement information, 25:19050
Technetium calibration: an inherent error using scintillation crystals, 25:51390
NUTBROWN, D. A. Algebra of currents and Veneziano model, 23:34597
Isoscalar S-wave $\pi\pi$ phase shift from unitary current-algebra model, 24:47440
K/sub l3/ form factors and the kappa-meson, 23:8788
Second-order symmetry breaking in K/sub l3/ decays, 23:23447
Simple derivation of seagull terms for propagator functions, 25:43681
Three- and four-point functions of currents for arbitrary spin-one spectral functions, 24:37670
Unitarity corrections to hard-meson analysis of K/sub l3/ decay, 25:30813
Universality of weak corrections to β decay, 24:13025
Use of dispersion relations in three-pion decays, 22:39352
NUTHAKKI, V. P. R. Electroproduction of single pions near threshold, 25:53006
NUTINI, Leo G. Effects of a magnetic field on DNA synthesis by ascites sarcoma 37 cells, 25:6642
Effects of magnetic fields on cellular respiration, 25:6643
NUTKU, Yavuz Energy—momentum complex in Brans—Dicke theory, 24:8316
Post-Newtonian equations of hydrodynamics in Brans—Dicke theory, 23:20654
Second post-Newtonian equations of hydrodynamics in general relativity, 24:1245
Stationary axisymmetric solutions of the Einstein field equations, 25:40313
NUTT, A. W. Mechanical properties of carbide and nitride reactor fuels, 24:6270
Mechanical properties of carbide and nitride reactor fuels, 25:2785 (LA-4452)
NUTT, A. W. Jr. Elastic and anelastic response of polycrystalline UO$_2$—PuO$_2$, 24:25787
NUTT, Alfred Walter Jr. Polycrystalline system UO$_2$—PuO$_2$, 24:21432
NUTT, C. W. Scattering cross section for N$_2$ molecules range 20 to 200 eV, 22:19773
NUTT, Gerald L. Two- and three-particle Coulomb systems, 22:41343
NUTT, R. Comparison of constant fraction and leading edge timing with NaI(Tl) scintillators, 24:39262
Fast neutron and gamma ray risetime differences in large NaI(Tl) crystal, 24:11790
Nuclear instrument module maintenance manual, 21:36341 (ORNL-TM-1638(Pt.2))
Peak current meter using a tunnel diode for the sensing element, 23:8897
Peak current meter, 23:38356
NUTT, Ronald Digital time intervalometer, 22:45369
Optimum design of sensitive tunnel diode discriminators, 21:32504
NUTTALL, Frank Q. Thyroid crisis induced by radioactive iodine, 25:37852
NUTTALL, J. Analytic continuation of the off-energy-shell scattering amplitude, 21:33782
Asymptotic form of the three-particle scattering wavefunction for free incident particles, 25:59624
Calculation of ionization amplitudes by the complex-energy method, 25:43145
Complex-energy method for elastic e—H scattering above ionization threshold, 23:41918
Conference on three-particle scattering in quantum mechanics, College Station, Tex., 4/68, 23:32774
Contour distortions in relativistic three-particle scattering equations, 21:42468
Convergence of Pade approximants for Bethe—Salpeter amplitude, 21:33797
Extension of the contour-distortion method in relativistic three-particle scattering, 22:44516
Kohn variational principle for three-particle scattering, 21:37933
Method of complex coordinates for three-body calculations above the breakup threshold, 24:15961
Pade approximants and bounds on the Bethe—Salpeter amplitude, 21:2520
s-wave elastic e—H scattering above ionization threshold, 25:55860
s-wave elastic positron—hydrogen scattering in the ionization region, 25:38149
Topics in several particle dynamics, 22:13688
Unitarity in coulomb scattering, 25:19505
Wave function for three-particle scattering, 23:23567
NUTTALL, Jacques Analysis of negatives of bubble chambers, 22:43099
NUTTALL, P. M. Extracorporeal irradiation of the blood in leukemic patients, 23:29524
NUTTALL, R. L. Enthalpy of U diboride, 24:21423
NUTTALL, W. F. Counting emissions from ^{42}K in plant tissue with liquid scintillation spectrometer, 22:503
NUTTER, J. D. Calorimetric determinations of plutonium in bulk reactor materials, 25:48434 (CONF-710617-22)
High-wattage twin water flow calorimeter, 24:29605
Quick-curing foam systems, 22:39960 (MLM-1397)
Solvent effects in quick-curing foam systems, 23:33127 (MLM-1641)
Water bath calorimeter no. 94, 21:36426 (MLM-1341)
NUTTER, James D. Use of calorimetry in nuclear materials management, 25:32166 (CONF-700541-, pp 101-21)
NUTTER, John E. Influence of sublethal x-irradiation on immunity of guinea pigs administered live tularemia vaccine, 22:38205
Response of guinea pig to sublethal x-irradiation and live tularemia vaccine, 21:26614
NUTTER, M. J. Interaction of control valves with oscillations generated in water to hydrogen heat exchanger, 22:45241 (LA-DC-9781)
NUTTER, P. H. Effect of stress during irradiation on void formation in nickel, 25:58308
NUTTINCK, D. Immediate and long-term measures taken in following the contamination of personnel by ^{241}Am and ^{242}Cm, 25:37804 (EUR-4612, pp 631-46)
NUTTING, J. X-ray fluorescence technique for the study of segregation in steel, 21:11244
NUTTLI, Otto W. Travel times and amplitudes of S waves from nuclear explosions, 23:15990
NUVOLE, Paolo Elimination of ^{131}I in milk of sheep, 22:10702
Iodine-131 in thyroid and blood and its elimination in milk of sheep, 22:10701
Mammary insufflation and passage of radioactive calcium from the milk to blood, 21:10758
NUVOLONE, U. Hematological modifications following exposure to radiation, 21:22557
Phlogistic factor as an obstacle to oncologic radiotherapy, 21:12930
Radiation sickness, 21:22528
Radio-chemotherapy of pleural metastases secondary to primary tumors of the lung, 25:21779
NUYTEN, J. B. M. Influence of Ag and Ge-additions on theta-prime precipitation in AlCuCd-alloy, 23:36136
NUYTS, J. CP-invariance violation caused by an SU(3) singlet, 25:38767
Dual resonance models with residues having a maximum fixed finite number of monomials in one Mandelstam variable, 25:17489
Duality and Adler condition, 25:14668
Generalized multipole expansions, 23:13137 (NYO-3399-172)
Group analysis of scattering amplitudes, 23:13136 (LPTHE-TH-68/33)
Group analysis of scattering amplitudes, 23:23509
Mass-spin relation in a Lagrangian model, 21:33639
Simultaneous "partial-wave" expansion in the Mandelstam variables, 22:46549
Simultaneous partial-wave expansion in the Mandelstam variables, 23:15157
Symmetry groups for multiplets of particles of different mass, 22:52997
Two-variable expansion of the scattering amplitude for any mass and crossing symmetry for partial waves, 24:13108
Weak interactions, 23:44586 (NP-17984)
NUYTS, Jean Commutation relations of baryon currents, 21:5401
Elementary introduction to symmetry groups and algebra of currents, 22:13798
NUZHDIN, N. I. Biochemical peculiarities and radsensitivity of different mammalian species, 22:19269
Biological effect of the combined action of gamma rays and space flight factors on barley seeds, 22:6924 (JPRS-43155)
Change in the radiosensitivity of barley during modification of the living conditions, 21:26672
Chromosome aberrations after single-dose and fractionated gamma irradiation of barley seeds, 22:25811
Chromosome mutations in barley seeds, 24:34290
Combined action of γ-rays and space flight factors on barley seeds, 21:45843
Comparative analysis of the effects of physicological conditions of seeds on the development of chromosome mutations induced by chemically active substances and by ionizing γ radiation, 21:1840
Comparison of the effectiveness of a single and fractionated irradiation of spermatozoids on prenatal death in rabbits, 25:26954
Effect of ecological environment on frequency of chromosomal aberrations of γ-irradiated barley, 22:49312
Effect of fractional irradiation on the radiosensitivity of embryonic cells of mice liver, 25:24395
Effect of irradiation of oat seeds on yield of chromosomal aberrations, 25:16110
Effects of chemical protective substances on mice with different sensitivity to x irradiation, 22:19374
Effects of gamma-rays and chemical mutagens on barley seeds, 22:17054
Effects of various γ-ray dose rate on incidence of chromosomal aberrations in liver cells of mammals, 22:19314
Experimental data on ionizing radiation effects on organism, 22:17020
Free radicals and chromosomal aberrations induced by gamma rays, 25:21666
Genetic radiosensitivity of two strains of mice, 22:17039
Influence of combined effects of gamma radiation and space flight factors on barley seeds, 22:17052
Influence of ecological conditions of plant growing on seed radiosensitivity, 22:17053

  - Influence of seed ripeness on output of chromosomal aberrations in γ-rayed barley, 21:39532
  - Injuries in testes in mice irradiated during embryonic development, 22:19429
  - Protection of spermatozoa of rabbits against genetic damage caused by irradiation in vitro, 22:19376
  - Protective effect of β-mercaptoethylamine during formation of chromosome aberrations in liver cells of mammals irradiated with γ rays, 22:51769
  - Protective effects of carbon monoxide in radiation-induced formation of chromosomal aberrations, 22:17043
  - Radiation resistance in plants, 25:57969
  - Radiosensitivity and frequency and character of hereditary changes in gamma-irradiated barley, 22:19379
  - Radiosensitivity of barley seeds, 22:17051
  - Radiosensitivity of peripheral blood elements in vivo and in vitro in different animal species, 22:19438
- NUZHDIN, N. N. Gonad damage in female mice developing from irradiated embryos, 22:17036
- NUZHNYI, V. A. Tables for calculating nonstationary temperatures of plane bodies during heating by irradiation, 25:56267
- NVANKVO, K. I. Possible generalization of quantum mechanics in a Feynman formulation, 22:1479
- NWACHUKU, C. O. Broken U(8) and p anti p annihilation at rest, 21:33748
  - Configuration mixing in SU(6) x O(3) for three-quark baryons, 24:24377
  - O(3,1) partial-wave analysis of off-forward N—N scattering, 23:21125
  - SU_3 27-plet structure of J/sup P/ = $3/2^-$ baryon resonances, 22:3496
- NWACHUKU, O. Representation mixing in $Utilde_{12}$, 21:21283
- NWAIGWE, C. N. Diurnal variations in period and polarization of magnetic micropulsations in south—west England, 21:31325
- NYAGU, D. Branching ratio in K^0/sub e3/-decay, 21:3975 (JINR-P-2892)
  - Energy spectra and angular correlations of particles in K/sub e 3//sup 0/ decay, 21:2356 (JINR-P-2855)
  - Estimate of cross section for Λ and Σ^0 particle production in lead by long-lived K^0 mesons with mean energy E = 150 MeV, 22:17870
  - Experimental determination of the relative probabilities for various branches of K_2^0 decay, 21:37672
  - Production cross section of Λ and Σ^0 particles in Pb by long-lived K^0 mesons, 21:40148 (JINR-P1-3441)
  - Relative probabilities of various modes of K_2^0 decay, 21:13674 (JINR-P1-3098)
- NYANISHKENE, V. M. B. Penetration of ^{90}Sr into bodies of gastropod mollusks, 25:29440
- NYBAKKEN, T. W. Environmental air quality support study, 25:31695 (EGG-1183-2242)
  - Low-noise nanosecond-pulse amplifier, 21:36384
- NYBERG, D. W. Photoluminescence in CdS associated with nitrogen impurities, 22:1317
- NYBERG, J. Normalization problem associated with the homogeneous vertex part equation of a many-fermion system, 24:30934
  - Note on Hartree—Fock instability, 23:46582
- NYBERG, J. A. Rapid uptake of radiostrontium in sperm, 23:31613
- NYBERG, Jan Anders Morphological and clinico-chemical studies of thyroid function in lactating cattle, 25:2524
- NYBERG, K. High resolution measurements of gamma rays produced by 15 MeV neutrons, 24:10978
- NYBERG, Rune Behavior of intravaginally applied /sup 110m/Ag-labeled Ag nitrate, 22:14960
- NYBLOM, Ake Nuclear magnetic resonance for flow measurement, 23:16880
- NYBO, S. Evaluation of coated particle fuel, 24:46770 (DP-Report-153)
- NYBO, Sigurd Andreas Improvements in or relating to a method of, and apparatus for, rendering particles spheroidal, 23:10263
- NYBOE, K. Angular distributions for the ^{160}Gd(d,t)^{159}Gd reaction, 21:23494
  - Collective vibrational states in deformed nuclei A = 150—186, 22:27149
  - Collective vibrational states in even dysprosium nuclei, 22:20585
  - Mean energy level width GAMMA of ^{27}Al and ^{28}Al at high excitation energy, 22:13957
- NYBOE, S. Pyrolytic carbon coated fuel particles, 24:40981 (DP-Report-120)
- NYBOE, S. A. Technique for making spherical particles, 23:22642
- NYBORG, P. Multiparticle phase-space in terms of invariant momentum transfers, invariant masses, and angles, 24:12960
  - Notes on phase space, 23:49067
  - Physical regions in invariant variables for five particles, 23:3844
  - Spin-parity test for four-pion resonances, 22:41808
- NYBORG, Per Kinematics of multiparticle final states in high-energy reactions, 25:33576 (NP-18756)
  - Kinematics of multiparticle final states and different ways of presenting data on multiparticle final states, 25:38679 (NP-18757)
  - Kinematics of scattering and decay processes, 21:2526
  - Physical region for scattering and decay processes involving five particles, 22:35150
- NYCE, A. C. Use of porosimetry in the measurement of pore size distribution in porous materials, 25:29828
- NYCH, O. V. Molybdenum—Co—B system, 21:28839
- NYCOVA, Bedriska Radium-226 liberation from uranium ore processing mill waste solids and uranium rocks into surface streams. II, 22:25478
  - Radium-226 liberation from uranium ore processing mill waste solids and uranium rocks into surface streams. I, 22:25477
- NYCZ, Cz. Breeder reactors. I, 23:11171
- NYCZ, Czeslaw Polish High-Flux Research Reactor R-II, 22:35617
- NYDAHL, G. High energy photofission in ^{238}U, ^{232}Th, and ^{209}Bi, 24:22144 (LUNP-6903)
  - Photopion reactions in complex nuclei, 22:48207
  - Photoproduction of charged pions from nuclei, 25:9620 (LUNP-7007)
  - Photoproduction of charged pions from nuclei, 25:17789
- NYDAHL, Goeran High-energy photofission in ^{238}U, ^{232}Th, and ^{209}Bi, 24:28800
- NYDAL, R. Bomb ^{14}C in the human population, 25:49149
  - Transfer of radiocarbon in nature, 22:6497
- NYDAL, Reidar Further investigation on the transfer of radiocarbon in nature, 22:33573
  - Prospective decrease in atmospheric radiocarbon, 24:25139
  - Variation in ^{14}C concentration in the atmosphere during the last several years, 21:6062
- NYDEGGER, R. R. Applications of backscattered radiation, 21:24182
- NYDEGGER, Raymond Russell Gamma transport by Monte Carlo method, 24:28401
- NYE, V. A. Linearized piston problem in radiation magnetogasdynamics, 24:37297
- NYELAND, Carl Adiabatic excitation transfer in gases, 21:22970 (N-67-14398)
  - Interpretation of elastic scattering in reactive systems, 22:43934
- NYER, M. Experience outside the pile on power excursions, 22:12136
  - Out-of-pile experiments on power excursions, 21:30264 (ANL-Trans-467)
  - Out-of-pile experiments on power excursions, Addendum, 21:30265 (ANL-Trans-468)
  - Thermal and hydrodynamic phenomena in power excursion, 23:19492
- NYER, Marcel Study of the thermal and hydraulic phenomena occuring during power excursion on a heated test section, 24:1976 (CEA-R-3497)
- NYER, R. Propagation of shock waves through two-phase, two-component media, 22:4325
- NYERGES, Pal General survey of the safety problems of nuclear power plants, 23:37380 (NP-17851, pp 7-14)
  - International and national instructions, agreements and standards, 23:37561 (NP-17851, pp 177-209)
- NYFFENEGGER, U. Cross section library of Dragon Project, 24:40921 (DP-Report-261)
  - Fuel cycles in high-temperature reactors on the power distribution in a four-zone system. project dragon, 24:43776 (DP-Report-418)
  - Uranium-235—Th fuel cycles in graphite moderated systems, 24:46064 (DP-Report-336)
- NYFORS, Allan Cutaneous blood flow in psoriasis measured by ^{133}Xe clearance, 24:36785
- NYGAARD, K. Optimal linear filters. II, 21:1562 (AE-249)
  - Optimum filters for measurement of nuclear pulses in the presence of noise, 21:39225
  - Optimum filters for use with pulse-height analyzers and for short time measurements, 23:21991
  - Reduction of noise in closed loop servo systems, 25:6188 (AE-404)
  - Simple nonlinear filter, 23:21992
  - Solution of large systems of linear equations with quadratic or non-quadratic matrices and deconvolution of spectra, 22:16347 (AE-307)
  - Solution of large systems of linear equations in presence of errors, 23:4486 (AE-335)
- NYGAARD, K. J. Electron—neutral heat transfer in plasmas, 22:1222
  - Ultra-high temperature measuring techniques, 22:46122 (N-68-24571)
- NYGAARD, Kaare J. Electron-impact excitation of auto-ionizing levels in cesium, 25:38150
  - Electron-impact ionization cross section in cesium, 22:50007
  - Measurements of electron thermal diffusivity in afterglow plasmas, 21:29239
  - Prog. rpt. on nonequilibrium plasma in thermionic discharges, final, 12/66—11/67, 22:38838 (AD-664494)
- NYGAARD, Lise Microwave spectra of isotopic benzonitriles, 25:37368
  - Microwave spectra of isotopic thiazoles, 25:37369
- NYGAARD, Oddvar F. Correlation between sensitivity to ionizing radiation and DNA replication in Physarum polycephalum, 24:39586 (COO-78-228)
- NYGAARD, P. Studies on the germination of pine pollen (pinus mugo) in vitro. II, 25:489
- NYGARD, J. J. Uptake and excretion of ^{137}Cs, K, and zircon/^{95}Nb in cattle, 21:10813
- NYGARD, John C. Application techniques in the utilization of high energy electron radiation, 22:25570 (CONF-660706-, pp 159-72)
- NYGREN, D. Charge asymmetry in decay K/sub L/ $\rightarrow \pi^+\pi^-\pi^0$, 24:37618
  - Charge asymmetry in K/sub e3/ decay and Reepsilon, 24:37617
  - K/sub S/—K/sub L/ regeneration amplitude in Cu at 2.5 GeV/c and phase of eta/sub +-/, 23:32683
  - Measurement of K/sub S/—K/sub L/ regeneration phase in copper at 2.5 GeV/c, 22:39246
  - Phase eta/sub +-/, Re delta, and superweak model, 22:39451
  - Rule $\Delta S = \Delta Q$ in decay $K^0 \rightarrow e^{+-} + \nu + \pi$, 22:39455
- NYGREN, David Long- and short-lived neutral kaon states and CP violation in K^0 decay, 21:46505 (NEVIS-163)
  - Measurement of charge asymmetry in decay K/sub L/^{0} $\rightarrow \pi^{+-} + e^{-+} + \nu$, 21:46466 (NEVIS-162)
  - Measurement of charge asymmetry in decay K/sub L/^{0} $\rightarrow \pi^{+-} + e^{-+} + \nu$, 21:46471
  - Measurement of the charge asymmetry in the decay K/sub L/^{0} $\rightarrow \pi^{+-} + e^{-+} + \nu$, 22:22277 (CONF-670923-, pp 494-509)
  - Nonorthogonality of long- and short-lived neutral kaon states and phenomenological analysis of experiments on CP nonconservation in K^0 decay, 21:46571
- NYGREN, David Robert Measurement of the neutron—neutron scattering length, 23:3931
- NYGREN, M. Transition temperature in V_1-/sub x/W/sub x/O_2, 24:6279
- NYHAN, William L. Biochemical characteristics of tumors, 21:30864
- NYIRI, J. Algebraic methods in theory of special unitary groups. I, 21:9822
  - Algebraic methods in theory of special unitary groups. II, 21:31615
  - Eigen functions in the three body problem, 24:52226
  - Symmetries in the classical three-body problem, 24:37578 (JINR-E2-5067)
- NYIRI, Julia Natural history of baryons, 22:32076
- NYITRAI, K. Investigations in field of radiation-induced solid state polymerization. XXII, 22:35840
  - Investigations in the field of radiation-induced solid state polymerization. XXIII, 22:37811
  - Investigations of radiation-induced-solid state polymerization. XXVII, 25:18432
  - Radiation induced polymerization and copolymerization of some norbornene derivatives, 21:24009
  - Radiation-induced solid state polymerization. XXV, 24:16561
  - Radiation-induced solid-state polymerization. XVII, 23:19749
  - Radioinduced solid-state polymerization. XXIV, 23:40725
  - Solid state polymerization in two-component systems, 21:24032
- NYITRAI, Karoly Investigations in the field of radiation-induced solid state polymerization. XXVII, 24:41341
  - Investigations in the field of radiation-induced solid state polymerization. XXVI, 24:41344
  - Investigations of radiation-induced solid state polymerization. XVI, 21:5957
  - Investigations of radiation-induced solid-state polymerization. XVII, 21:12451
  - Investigations of radiation-induced solid-state polymerization. XVIII, 21:12450
  - Radiation-induced solid state polymerization. XXIV, 23:19754
  - Radiation-induced solid state polymerization. XXV, 23:19776
- NYITRAY, K. Radiation-induced solid-state polymerization. XVIII, 21:25879
  - Radiation-induced solid-state polymerizations. XXIII, 22:51018
- NYKANEN, Stanley E. Optimum interception of inadvertently emanated signals, 24:29146 (SC-RR-70-37)
- NYLAND, Harry Engineering developments in Chalice experiment, 21:5239 (SIT-2582-21)
- NYLANDER, G. Evaluation of hepatic regeneration by scintillation scanning, 24:29811
- NYLANDER, R. 4 MeV linear accelerator for cancer therapy, 24:45626 (CONF-691101-, pp 11-20)
- NYLANDER, R. F. High-voltage pulse-train amplifier, 24:15714 (CONF-680520-, pp 22-40)
- NYLEN, Per Rotational analysis for a perturbed ^{1}PI state in ThO, 23:41933
- NYLUND, O. FT-36b: results of void measurements, 24:18507 (FRIGG-PM-15)
  - Hydrodynamic and heat transfer measurements on simulated 36-rod Marviken fuel element, 22:48643 (FRIGG-2)
  - Hydrodynamic and heat transfer measurements on full-scale simulated 36-rod Marviken fuel element with non-uniform radial heat flux distribution, 24:43604 (FRIGG-3)
  - Measurements of hydrodynamic characteristics, instability thresholds, and burnout limits for 6-rod clusters in natural and forced circulation, 22:1760 (FRIGG-1)
- NYLUND, Olov Full-scale loop studies of BHWR and BWR fuel assemblies, 24:22410
- NYMAN, B. Decay of ^{191}Au and the level scheme of ^{191}Pt, 21:27606
  - Decay studies of /sup 101m/Rh and /sup 101g/Rh, 25:46035
  - Decay studies of Au isotopes, 24:15878
  - Double focussing iron-core spectrometer, 24:33921
  - Establishment of an excited state at 1.64 keV in ^{193}Pt, 22:14015
  - Internal conversion studies of transitions in ^{96}Mo, 24:22157
  - Internal conversion study of decay of ^{193}Au, 22:20581
- NYMAN, E. M. Four-body forces in nuclear matter, 22:50695
  - Magnetic moments and pion currents in nuclear matter, 21:27657
  - Model-independent contribution in proton—proton bremsstrahlung, 21:37844
  - Nucleon structure effects in proton—proton bremsstrahlung, 25:17519
- NYMAN, Ebbe M. Form factors of the nucleon, 25:3745
  - Soft-photon theory of nucleon—nucleon bremsstrahlung, 22:37116
  - Structure of nucleons in nuclear matter, 24:52127
  - Two-pion-exchange three-body A-nucleon interaction in nuclear matter, 21:38417
- NYMAN, F. R. Vapor deposition of niobium stannide: a versatile process, 21:28737
- NYMAN, Kj. User's manual for NRN shield design method in FORTRAN IV language, 21:20998 (FFA-673)
- NYMAN, P. T. Miniature LiF dosimeter for in vivo measurements, 21:1657
- NYMMIK, R. A. Calculation of some characteristics of extended air showers in the lower part of the atmosphere for large fluctuations of the elementary act, 21:16837
  - Energy of nuclear active particles in wide atmospheric showers recorded by a large ionization calorimeter, 23:23347
  - Large-area Cherenkov counter, 21:6298
  - Remarks concerning a model of development of wide air showers, 22:2843

  - Spectrum of extensive air shower with respect to the number of the particles at mountain altitude, 23:18469
- NYO, U Htin Tritium, 23:9857
- NYQUIST, L. Helium, Ne, and Ar in separated phases of iron meteorites, 25:24677
- NYQUIST, L. E. Isotopic composition of rare gases in lunar samples, 24:21534
- NYQUIST, Laurence Elwood Cosmic-ray record in the metallic phase of chondrites, 25:8968
- NYQUIST, O. Radiotracers in Swedish steel industry, 22:14713
- NYQUIST, Richard A. Vibrational spectroscopic study of (R—PO$_3$)$^{2-}$, 23:132
- NYQVIST, H. Atomic-beam measurements in the rare-earth region, 25:28298 (CERN-70-30(Vol.1), pp 387-94)
  - Nuclear ground state spins of neutron-deficient Dy isotopes, 25:7861
  - Nuclear spin of neutron-deficient terbium isotopes, 25:25774
  - Nuclear spins of ^{169}Lu, ^{170}Lu, ^{171}Lu, ^{165}Tm, and ^{160}Er, 22:14010
- NYSAETER, Hans Dynamic measurements of low magnetic fields with special reference to the strong focusing 2.3-GeV electron synchrotron, 21:42489
- NYSSEN, G. A. Differential kinetic analysis of the metallic elements, 23:13626
- NYSTROEM, A. Bibliography on radiation effects on solid uranium based nuclear fuel materials, vol. 6, no. 2, 12/66, 21:11261 (NP-16522)
- NYSTROEM, C. E. Pelvic dosimetry during radiotherapy, 24:34351
- NYSTROEM, G. Gamma rays from inelastic neutron scattering in nitrogen, 23:5827
  - Gamma rays from neutron resonance capture in Mg, Si, P, and S, 24:47619
  - Neutron capture cross sections in F, Mg, Al, Si, P, and S from 20 to 80 keV, 25:5603 (FOA-4-4440)
- NYSTROEM, Stig H. M. Effects of high energy protons on brain and glioma of mice, 21:6603
- NYSTROM, Anders Bibliography on conversion of UF$_6$ to UO$_2$, 21:38998 (FTB-4)
  - Eastern translations of radioactive geophysics prospecting literature, 22:2191 (FTB-5(Bibl.))
- NYSTROM, R. E. Behavior of liquid sodium in a sinusoidal pressure field, 25:13154
  - Time-dependent nucleate boiling requirements for liquid sodium, 25:4210
- NYSTROM, Robert Eric Ultrasonically induced sodium superheat, 23:38162 (NP-17902)
- NYSTROM, S. H. M. Early ultrastructural changes in experimental glioma following neutron capture irradiation, 22:10716
- NYYSSOENEN, Otto Changes in mice after topical beta radiation, 23:29754

O

- OADES, G. C. Analysis of K/sub e/$_4$ decay, evidence for vector current and consequences, 22:5546
  - Coulomb corrections in the analysis of πN experimental scattering data, 25:30721
  - Coulomb corrections to low energy elastic and charge exchange πN scattering, 25:43599
  - Electromagnetic structure and Coulomb corrections to strong interactions, 25:1553
  - Form factors for K/sub l3/ decays, 23:32687
  - Further evidence for N^{*3}/$_2$ nucleon resonances in the mass range 1800 to 2200 MeV, 23:42571
  - K$^+$p phase shift analysis, 21:2383
  - K$^+$p phase-shift analysis below 1500 MeV/c, 22:15808
  - Mass differences as additional electromagnetic corrections in low-energy elastic and charge-exchange πN scattering, 25:43645
  - Note on the K/sub e4/ and K/sub μ4/ decay rates, 22:13722
  - Pi^{-+} ^{4}He scattering and electromagnetic radius of charged π-mesons, 25:25381
  - Systematic properties of pion—nucleon scattering amplitudes, 21:4054
  - Theoretical study of K/sub l4/ decay, 22:44400
- OAE, S. Implication of small hydrogen—deuterium kinetic isotope effect in reaction of quinaldine and 1-methylisoquinoline N-oxides with acetic anhydride, 23:137
  - Kinetic studies on the reactions of 2- and 4-alkyl-substituted heteroaromatic n-oxides with acetic anhydride, 22:27702
  - Reaction of lepidine, quinaldine, and l-methylisoquinoline N-oxides with acetic anhydride, 25:6320
- OAE, Shigeru Base-catalyzed H isotopic exchange reaction of α-deuteriodiphenylthioacetal, 24:16513
  - Oxygen exchange and racemization reactions of sulfoxides in acetic and chloroacetic acid, 22:42678
  - Stereochemistry of sulfoxide in the base-catalyzed hydrogen-isotopic exchange of aryl-methyl sulfoxide, 21:3018
- OAK, Cecil R. Fuel element positioner, 23:37836
- OAKBERG, E. F. Deuterium oxide effect on spermatogenesis in the mouse, 22:36342
  - Effect of 25 r of x-rays at 10 days of age on oocyte numbers and fertility of female mice, 22:43417
  - Mammalian gametogenesis, 24:21285
  - New concept of spermatogonial stem-cell renewal in the mouse and its relationship to genetic effects, 25:18959
  - Relative biological effectiveness of gamma rays, x rays, protons, and neutrons for spermatogonial killing, 21:32738 (ORNL-P-3085)
- OAKENFULL, David G. Reactions of acetylimidazole and acetylimidazolium ion with nucleophilic reagents, 25:18398
- OAKES, D. B. MAGOG: three dimensional, two group diffusion code with burnup, 22:3926 (AEEW-R-531)
- OAKES, L. C. Automation of reactor control and safety systems at ORNL, 24:16251
  - Control and safety of pulse reactors, 22:44909
  - HFIR protection system, 22:22851
  - Operating experience with HFIR protection system, 21:40569 (ORNL-P-3249)
  - Operating experience with the HFIR protection system, 21:35730
  - Seventh tripartite instrumentation conference, 21:2840
- OAKES, M. E. Enhanced losses in magneto-plasma columns, 3/66—11/69, 24:26173 (AD-698039)
  - Ion—electron hybrid resonance with partial propagation along the magnetic field, 21:18708
  - Ion—ion resonances in a magnetized plasma cylinder, 24:6562
  - Power transfer to finite plasmas near the lower hybrid resonance, 22:1124
  - Resistive loading by a finite plasma cylinder near the lower hybrid resonance, 23:44477
  - Resistive loading by a finite plasma cylinder, 25:19653
  - Suppression of Kelvin—Helmholtz instability in Cs plasma, 25:5111
- OAKES, Melvin E. Prog. rpt. on the hybrid ion—electron resonance, final, 6/1/63—8/31/67, 22:5325 (ORO-3110-10)
- OAKES, R. E. Jr. Anomalous mechanical properties of uranium-7.5 weight percent niobium-2.5 weight percent zirconium alloy, 24:48819 (Y-1732)
  - Compressive strain-rate properties of thorium, 24:23457 (Y-1707)
  - Effect of strain rates on compressive strength of cellular carbon, 23:51110 (Y-1689)
  - Tensile strain-rate properties of thorium, 24:23458 (Y-1708)
- OAKES, R. J. Behavior of current divergences under SU(3) x SU(3), 23:7167
  - Hadron scattering and quark models, 21:27355
  - Hadronic contributions to the muon magnetic moment, 21:37744
  - High-energy electron scattering as a test of the nuclear cluster model, 21:4226
  - High-energy electron scattering as a test of the nuclear cluster model, 21:7693 (AD-631176)
  - Isospin structure of nonleptonic weak Hamiltonian, 25:22768
  - K^{+-} → π^{+-} + τ + anti τ decay, 23:46666
  - K/sub l5/ form factors from PCAC and current algebra, 21:31570
  - Leptonic decays of the kaon according to current algebra and PCAC, 21:42327
  - Neutral currents and CP nonconservation in weak interactions, 23:46768
  - Regge poles and the scattering of unequal mass particles, 21:19069
  - Spectral-function sum rules, ω-phi mixing, and lepton-pair decays of vector mesons, 22:5569
  - SU(2) x SU(2) breaking and the Cabibbo angle, 23:51980
  - SU(2) x SU(2) symmetry breaking and eta → 3π, 24:1633
  - Symmetry breaking in axial-vector spectral-function sum rules, 22:17995
  - Theory of CP nonconservation, 22:35056
  - Weak electron scattering: e$^-$ + p → Λ + τ, 23:18868
  - Weak interactions, 22:13721
  - Weakly coupled neutral currents, 25:3302
- OAKEY, J. R. Building concept with cost estimates, site exploration and engineering data for 500 MeV H$^-$ cyclotron facility, 23:52053 (TRI-68-2)
- OAKEY, N. S. Beta-neutrino correlations and longitudinal nuclear alignment in the decay of ^{20}Na, 25:25692
  - Electrostatic particle guide for high resolution charged particle spectrometry in intense reactor fluxes, 21:19497
  - Fine structure in the alpha decay of thermal neutron capture states of ^{150}Sm, 21:19256
  - Helium-jet recoil transport method, 23:43578
  - Reaction (n,γα) induced by thermal neutrons, 22:29974
- OAKEY, Neil S. Anomalous beta—alpha anisotropy in the decay of ^{20}Na, 24:40583
  - Beta-neutrino correlations and recoil nuclear alignment effects in light delayed particle emitters, 25:28210 (CERN-70-30(Vol.1), pp 447-55)
  - On-line nuclear spectroscopy of short-lived isotopes, 25:17648
- OAKLEY, A. E. Accurate measurements of drop weights by the extrapolation method, 21:14516
- OAKLEY, D. J. FFTF reactor vessel concept evaluation summary, 23:45103 (BNWL-1011)
  - Flow duct/receptacle erosion-flow test, 24:46091
- OAKLEY, Donald T. Cooldown requirements for nuclear rocket missions, 21:15758
  - Exposures to offsite population as a result of nuclear reactor tests at Nuclear Rocket Development Station, 1965, 22:23519
  - Summary of exposures to the off-site population as a result of nuclear reactor tests, 21:6539
- OAKLEY, N. W. Pituitary ablation for diabetic retinopathy, 21:22545
  - Serum growth hormone levels and response of diabetic retinopathy to pituitary ablation, 24:11950
- OAKLEY, W. L. Role of the Atomic Energy Commission, 24:23232 (SWRHL-82, pp 713-20)
- OAKS, W. C. Chemical and electrochemical milling of spiral lands on Zircaloy tubing, 21:4915 (KAPL-3159)
- OAKWOOD, J. S. Machine tool evaluation studies, 21:47051 (Y-1588)
- OAKWOOD, T. G. Ductile-brittle-ductile transition in niobium—hydrogen alloys, 22:41036
- OAKWOOD, Thomas Glenn Sorption kinetics and mechanical properties of dilute columbium—hydrogen solutions, 21:14823 (ORO-2570-10)
- OATES, D. W. Isomeric transition activated reactions of ^{82}Br with gaseous methyl bromide, 24:38908
- OATES, Daniel E. Measurement of helium—helium scattering cross section at low temperatures, 25:35860
- OATES, Gordon C. Boundary and end losses in magnetogasdynamic generators, 23:1232 (AD-671632)
  - Electrical conductivity in a Faraday accelerator, 21:2212
- OATES, J. A. Corrosion and the maintenance engineer, 22:31328
- OATES, W. A. Monte Carlo calculations of configurational entropies in interstitial solid solutions, 23:14405
  - Partial excess entropies of hydrogen in metals, 23:14345
  - Thermomigration of carbon in metals, 25:55479
- OATES, William H. Jr. Nuclear power reactors and the population, 25:18081 (BRH/OCS-70-1)
- OBA, Kihachiro Cross-fertility of Kumotoosi pollen after gamma irradiation, 24:34749
  - Radiosensitivity of forest trees. V, 22:25999
  - Studies on radiosensitivity of forest trees. II, 21:22796
  - Studies on radiosensitivity of forest trees. IV, 21:24664
  - Studies on the mutation of forest trees. I, 21:12811
- OBA, Shigeyoshi Development of RI-methanometer. II, 21:17904
- OBA, Sigeyoshi Trial construction of a methane meter employing a radioisotope, 21:16215
- OBA, Takuma Radiosterilization of medical products. II, 25:47080
- OBAMA, Isamu Radiation-induced postpolymerization of nitroethylene, 24:16613
- O'BAR, P. R. Chemiluminescence in liquid scintillation counting, 24:48045
  - Early detection of injury after nitrogen mustard (HN2) therapy using radioiron, 25:10952
  - Trace metal behavior in γ-irradiated rabbits, 24:44432
- OBARA, Junnosuke Isotope scanning of spleen, 24:23247
- OBARA, R. Rapid-sequence scintigraphy of the kidney, 22:25943
- OBARA, Takashi Analysis of the scattering process of two Majorana fields, 25:41067
  - Branch cut contributions to backward unequal-mass scattering processes, 24:43064
  - Canonical quantization of free electromagnetic field in the Landau gauge, 22:9672
  - Infinite component wave function and scattering amplitude. II, 25:53323
  - Regge pole theory and unitarity, 25:17594
- OBARRIO, J. M. Myelopathy following teletherapy with radioactive cobalt, 22:43405
- OBASHEV, S. O. Catalog of solar flares, 25:16710
  - Eruptions in the solar atmosphere and structure of the chromosphere, 25:16707
  - Influence of electric fields on the profiles of coronal lines, 25:16705
  - Longitudinal distribution of sunspot groups in the last 11 years of solar activity, 25:16709
  - Main eruptive phase of solar flares, 25:16706
  - Possible relation between different parameters of solar flares, 25:16708
  - Some results in the comparison of coronal data, 25:16704
- OBATA, Hajime Measuring system analysis of x-ray thickness gages, 21:28290
- OBATA, Kiyokazu Heat-load test of the cooling towers in the utilities cooling line of JMTR, 22:47030
- OBATA, Naomi Anomalous behaviors of body-centered tetragonal ThCl$_4$ at higher temperature, 21:12428
  - New phase of Th tetrachloride, 21:12429
  - Study on properties of thorium chloride. II, 21:8243
  - Study on properties of thorium chloride. I, 21:8244
- OBATA, Y. Studies on γ-radiolysis of sulphur-containing amino acids. II, 25:26294
  - Theory of dynamical Jahn—Teller effect on magnetic susceptibility, 25:47658
- OBATA, Yataro Flavor of γ-irradiated and cooked rice, 25:22004
- OBATA, Yukio Jahn—Teller effect on static magnetic susceptibility, 24:28441
- OBATUROV, G. M. Assessing absorbed neutron and gamma dose with graphite critical assembly, 21:3412
  - Determination of the content of stable iodine in the thyroid gland by the method of activation of supercadmium neutrons without destruction of the sample, 22:49270
  - Dose response of copper and phosphorous activation detectors to neutron of different spectors, 23:47747
  - Dose sensitivity of neutron track detectors, 24:22997
  - Dose sensitivity of track-type neutron detectors, 24:9661
  - Dosimetry of neutron beams of fast reactor, 23:43762
  - Emergency personal n-γ radiation dosimeters, 25:10881
  - Glass neutron track detector, 22:38028
  - Influence of neutron incidence angle on dose equivalent distribution for recoil nuclei in phantom, 25:32421
  - Personnel photodosimeter combined with resonance detectors for measuring thermal and intermediate neutron doses, 21:1647
  - Rubidium-88 collecting efficiency of chambers for ^{88}Kr radiometry by ^{88}Rb, 23:47909
  - Spatial distribution of fast and intermediate neutron dose in human phantom, 21:6535
  - Spatial distribution of fast and intermediate neutron doses in human phantom, 21:43388
  - Tissue dosage from a point source of fission neutrons in air, 24:41881
  - Tissue doses produced by monoenergetic neutrons in human phantoms, 21:8839
- OBAYASHI, H. Monte Carlo calculation of energy spectra on a γ-counter in detection of eta^0 and π^0 mesons, 25:49004
- OBAYASHI, Haruo Polarization of recoil protons from neutral pion photoproduction, 22:44306
- OBAYASHI, T. Entry of solar protons and alpha-particles into polar cap atmosphere, 22:2875
  - Japanese airborne cosmic ray experiments, 22:2870
- OBAYASHI, Tatsuzo Electrical nature in planetary upper atmosphere, 25:38246
  - Energy transfer across magnetospheric boundary, 23:25208
  - Large-scale electric field in the magnetosphere, 22:29350

- Measurement of ionosphere by the gyro-plasma probe, 24:37326
- Modified plasma resonance, 23:18520
- Plasma physics in space research, 23:25105
- Recombination coefficient of regions, 21:41911
- Rocket measurement of the ionospheric plasma by gyro-plasma probe, 21:41910

OBAYASHI, Tatuzo Plasma measurements in the upper atmosphere with the impedance probe, 22:7211

OBAYASHI, Teizo Equipment of Tsuruga Power Station, Japan Atomic Power Co, 23:13929

OBAYASHI, Y. Ultraviolet rays as one of the possible factors responsible for the loss of virulence of tubercle bacilli, 21:11153

OBAYSHI, Tatsuzo Flapping motions of the magnetospheric tail, 22:24142

OBCHINNIKOV, M. F. Tuning of injection channel of IFVE 70-GeV proton synchrotron, 23:46863 (IFVE-SKU-68-76)

OBDRZALEK, J. Special case of Vavilov—Cherenkov radiation, 24:20015

OB'EDKOV, V. D. Adiabatic representation for electron—atom amplitude, 24:32642
- Born approximation in theory of electron—atom collisions, 25:33083
- Decay of molecular hydrogen ions through collision with thermal electrons, 22:992
- Dissociative electron capture and evaluation of the level widths of quasi-stationary molecular states, 22:9095
- Electron capture by fast protons in ionized lithium, 22:11210
- Optical model for elastic collisions of electrons with atoms, 22:45945
- Rotational and vibrational excitation of molecular ions by electrons, 22:38735
- Solvable model of multichannel scattering, 25:33861
- Use of complex potentials in the theory of electron—atom collisions, 21:24917

OBEID, M. Determination of the lumped heat-transfer and reactivity coefficients of a research reactor, 23:31207

OBEID, Mohamed Abdel-Fattah Determination of lumped heat-transfer and reactivity coefficients of a nuclear reactor, 22:30384

OBELLIANE, J. Uranium deposits in Niger, 23:19869 (AEC-tr-7034)

OBELLIANNE, J. M. Uraniferous mineralizations in Niger, 23:31436

OBENBERGER, Jiri Penetration of radioactive calcium into the aqueous and cornea of normal and alloxan-treated rabbits, 25:15996

OBENCHAIN, C. F. Generation of dynamic mechanical forces during reactivity accidents, 21:7936
- PARET: program for analysis of reactor transients, 23:17232 (IDO-17282)
- PARET: program for analysis of reactor transients, 23:47223 (CNM-R-2(Vol.2), pp 664-80)

OBENSHAIN, F. E. Moessbauer effect with ^{57}Fe following neutron capture in ^{56}Fe, 22:1326

OBENSHAIN, Felix E. Coulomb-recoil-implantation Moessbauer experiments with ^{73}Ge, 21:18803
- Coulomb-recoil-implantation Moessbauer experiments with ^{73}Ge, 22:48195
- Moessbauer measurements following Coulomb excitation and recoil implantation, 22:46269
- Parity nonconservation in the force between nucleons, 25:7813
- Prog. rpt. on physics, annual, 12/31/70, 25:53752 (ORNL-4659)
- Prog. rpt. on physics, annual, 12/69, 25:7847 (ORNL-4513)

OBER, D. R. Measurements and distorted-wave Born-approximation analyses of some 13.9-MeV differential cross sections for reactions ^{14}N(^{3}He,α)^{13}N, 22:18137
- Measurements and DWBA analyses of some 13.9-MeV differential cross sections for the reactions ^{14}N(^{3}He,α)^{13}N, 22:26905
- Study of some ^{12}C(^{3}He,α)^{11}C reactions at 13.9 MeV, 22:37298

OBER, David Ray Carbon-12(^{3}He,α_{0} $_{1}$)^{11}C and ^{16}O(^{3}He,α_{0} $_{1}$)^{15}O reactions at 13.9 MeV, 23:28252

OBER, R. D. Method of analyzing in-core detector data in power reactors, 24:7033

OBER, R. E. Oxygen flask combustion analysis of ^{14}C and ^{3}H, 23:49739

OBER, R. F. Fast breeder reactor control, shield, and reflector materials development, 23:24854 (GEMP-1008, pp 275-85)

OBER, T. G. Method of analyzing in-core detector data in power reactors, 24:7033

OBERBECK, P. E. Final report on ARTRIX, 22:6199 (COO-1469-0067)

OBERBECK, Peter Ernst Rudolf Hybrid circuit design for artrix graphical processor, 21:34185 (COO-1469-0049)
- ORBIT: Online Reduced Bandwidth Information Transmission, 25:28846 (COO-1469-178)

OBERC, Pawel Magnetosphere, 25:38283

OBERDISSE, K. Successes and failures of fractionated radioiodine therapy among 700 hyperthyroid patients, 25:11230

OBERDOERSTER, F. Action of ultraviolet radiation on influenza virus, 22:4710
- Methods for measurement and evaluation of uvc irradiation equipments. II, 22:12946
- Methods usable for measurement and evaluation of uvc irradiation equipments. I, 22:19459

OBERDOERSTER, Friedrich Sterilization by ultraviolet radiation and its significance for medical and pharmaceutical practice, 22:15127

OBERENDER, W. Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. I, 21:7044 (BMwF-FBK-66-28(Pt.1))
- Production and investigation of carbide heaters for a thermionic converter operating with nuclear energy. II, 21:27029 (BMwF-FBK-66-29(Pt.2))

OBERG, Carl T. Neutron epxosure of the PM-2A reactor vessel, 21:21744

OBERG, G. C. Electric immersion heater failures in the Hanford waste solidification program, 25:39671 (ARH-1381)
- Purex concentrator corrosion levels, 23:13823 (HW-75732)

OBERHANSBERG, J. Separation of iodine in gaseous phase by means of separation columns, 23:28940 (BMwF-FBK-69-12)

OBERHAUSE, E. Investigations on metabolism ^{224}Ra (ThX) and estimation of the radiation doses in therapeutic uses, 22:38217

OBERHAUSEN, E. Correlation between radionuclide content of body and development of silicosis in miners, 21:43381
- Determination of renal clearance by external γ-ray measurements, 25:11155
- Electrolytes content in man, 23:50254
- General and organ specific ^{137}Cs retention in rats after single i.p. injection, 21:22352
- Glomerular clearance in whole-body counter, 24:19338
- Method for adjusting the Anger camera, 23:33457
- Organ specific ^{137}Cs uptake by rats, 23:788
- Potassium content in humans measured with the whole-body counter, 21:26374
- Radiation burden of skeleton and lungs in Thorotrast patients, 21:22531
- Radiation burdens in incorporation of radioisotopes, 25:35099
- Radiation dose and its time pattern after incorporation of ^{224}Ra and ^{224}Ra (ThX therapy), 21:22532
- Results of biophysical studies on Thorotrast patients and their significance for the establishment of maximum permissible masses of radionuclides, 21:22530
- Simultaneous determination of total potassium and exchangeable sodium in man, 25:10920
- Studies at the total body counter following ThX treatment of skin diseases, 21:22458
- Thyroid diagnosis with a whole-body counter in children, 25:11172
- Unilateral determination of effective renal plasma flow by radioisotopes, 25:26826

OBERHAUSEN, Erich Intake and excretion of natural radionuclides ^{210}Pb and ^{210}Po by humans, 21:24421 (ANL-Trans-458)
- Uptake and excretion of natural radionuclides ^{210}Pb and ^{210}Po by man, 21:20103

OBERHAUSER, C. J. Design of a superconducting alternator, 22:45232

OBERHAUSER, E. Strontium-85 kinetics in hypoparathyroidism at different levels of Ca intake, 21:22518

OBERHAUSER, Ernesto Strontium-85 kinetics in hypoparathyroid patients following ingestion of different levels of Ca, 21:26365

OBERHELMAN, Harry A. Jr. Combined treatment of cancer of the esophagus, 23:50779

OBERHEUSER, F. Radiotherapy of mammary carcinoma, 21:26545
- Side-effects of gynecologic supervoltage therapy, 21:41492
- Treatment of cancer of the vulva using electrons, 23:6536

OBERHEUSER, Friedhelm Clinical aspects of the electron irradiation of mamma carcinomas, 22:51726
- Clinical aspects of the electron therapy of vulva carcinomas, 22:51720

OBERHOFER, Edward Samuel Investigation of isomeric transitions following the decay of ^{237}Np, ^{241}Am, and ^{243}Am, 22:37371

OBERHOFER, M. Applied research, 24:39369 (ORNL-4446, pp 251-70)
- Inherent background reduction for EG and G model TL-12 CaF$_{2}$(Mn) thermoluminescent dosimeter, 22:40472
- Recent applications of thermoluminescence dosimetry, 21:26232 (CONF-650637-, pp 340-8)
- Secondary standardization of γ-emitting radionuclides in the mCi-range by means of a modified gold-leaf electroscope, 21:3305
- Sensitive ceramic BeO-TSEE dosimeter, 24:27453
- Thermally stimulated exoelectron emission, thermoluminescence, and impurities in LiF and BeO, 24:50638
- TSEE G—M gasflow counter, 24:19251

OBERHOFER, Martin Radiation dosimeter having sensitive material containing lithium hydride, 25:57831
- Radiation dosimeter, 24:16901
- Radiation protection techniques. III, 23:2546

OBERHOLTZER, Betty L. Publications of the National Bureau of Standards, 1968—69, 25:20869 (NBS-SPEC. PUBL-305(Suppl.1))

OBERHOLZER, J. Forward and backward baryon—baryon scattering in a S(U(3) x U(3)), 22:35065
- Isovector form factors from annihilation and π—π dynamics. II, 23:15135

OBERHUMMER, H. Separable potentials, 25:56531

OBER II, William Taylor Ion injectors for single- and two-phase electrogasdynamic generators, 24:10404 (AD-694906)

OBERJOHN, W. J. Critical heat flux in a bundle cooled by pressurized water, 24:19146

OBERLECHNER, G. Calculation of the average energy of nuclear matter with separable interactions, 21:31867
- Perturbation theory for the degenerate case in the many-body problem, 24:38387
- Separable potential for the nucleon—nucleon interaction, 22:7527
- Shell model calculations in ^{56}Ni and ^{54}Fe, 25:22997

OBERLECHNER, Georges Methods of calculation in nuclear matter theory, 25:34161 (LYCEN-6804, pp 153-78)

OBERLEY, L. W. Moessbauer effect studies following Coulomb excitation, 25:10863
- Radiation damage in tungsten carbide, 25:1305
- Relative quadrupole moments of the first excited states of ^{182}W, ^{184}W, and ^{186}W, 25:34090

OBERLIN, Agnes Effects of a shock wave on graphite: electron microdiffraction microscopy studies, 25:38025

OBERLIN, David W. Monolithic radiation-hardened operational amplifier, 24:46554

OBERLIN, M. Kinetic studies of the oxidation of graphitizable carbons by liquid media, 21:3530 (GA-tr-6049)

OBERLY, Charles E. Optimum magnets for MHD generators, 21:653

OBERLY, Ralph Edwin High-resolution infrared spectra of some isotopic species of carbon dioxide, 25:23580

OBERMAIR, G. Spin-orbit interaction and polarization of slow neutrons, 21:38166

OBERMAIR, Gustav Theory of polarized electron-beam production by field emission from ferromagnets, 23:1172

OBERMAN, B. Melanosebaceous formation of the golden hamster. V, 21:24633

OBERMAN, C. Anomalous heating of plasmas by laser irradiation, 25:25082 (MATT-817)
- Anomalous high-frequency resistivity and heating of a plasma, 24:28224 (MATT-756)
- Anomalous high-frequency resistivity and heating of a plasma, 24:35456
- Electrical conductivity of plasma, 24:12824
- Kinetic theory of stable and weakly unstable plasma. I, 23:12843
- Kinetic theory of stable and weakly unstable plasma. II, 23:20928
- Noise broadening of trapped-particle echoes, 25:43409
- Nonlinear theory for plasma driven by a large-amplitude, high-frequency field. I, 25:47582 (MATT-835)
- Property of large-amplitude steady electrostatic waves, 23:32535
- Test-particle propagator and its application to the decay of plasma wave echoes, 22:44170

OBERMAN, Carl Some constants of the motion for perturbation of large-amplitude electrostatic waves, 23:18698

OBERMAN, H. Influence of gamma rays on growth and some enzymatic functions of Streptococcus lactis, 22:40567

OBERMAN, Helena Itaconic and itatartaric acid formation by uv- and gamma-irradiated isolates of A. terreus NRRL, 22:23499

OBERMANN, R. A. Hydrometallurgic mineral process for Malargue cupro-uraniferous ores, 23:11670

OBERMEIER, Frank Exact solutions of the equations for hypercritical flow in magnetogasdynamics, 22:9154

OBEROI, R. S. Algebraic close coupling calculation of electron—hydrogen scattering, 24:32672
- Algebraic close-coupling calculation of the scattering of electrons and positrons by hydrogen, 25:30286
- Choosing pseudostates in the close-coupling formalism for the electron—atomic-hydrogen system, 25:43140
- Elastic scattering of electrons by hydrogen, 24:6364
- Test of the polarized orbital method, 24:10373

OBEROI, Ranjit Singh Test of the polarized orbital method, 25:24908

OBERPARLEITER, R. Fabrication of boron trioxide discs of well defined thickness, 23:34071

OBERPRILLER, Jean Colville Action of x irradiation on adult newt, 23:20346

OBERSCHELP, Erhard Broadening of cadmium lines by microfields, 21:39736
- Broadening of zinc lines by microfields, 21:39737

OBERSKI, J. E. J. Analysis of multidimensional nuclear data (BOL). I, 25:20203
- BOL computer-hardware configuration, 25:20200
- BOL nuclear research project, 25:20198
- Data acquisition with the BOL nuclear detection system, 25:20202
- Decay of ^{143}Eu, 23:15454
- Electronics of the BOL-system, 25:20199
- Scattering chamber of the BOL-system, 25:20201

OBERSON, R. Radioisotope cisternography in the infant, 24:50973
- Scintigraphy of the pericerebral subarachnoid spaces, 23:48150

OBERSZTYN, A. Pathological changes in the teeth and tooth appendages of the rat in radiation sickness, 22:23625

OBERT, W. Electrical properties of a fast argon atomic beam generated by an arc source, 22:41315

OBERTELLI, J. D. A 6 MW heat transfer loop at Winfrith, 21:10167
- Burn-out with forced convection high-pressure water, 21:41125
- Description of 9 MW heat transfer rig, 24:25196 (AEEW-M-935)
- Thermal and hydraulic design of SGHWRs, 23:13394

OBERTELLI, John David Nuclear reactor fuel element assemblies, 22:20890
- Nuclear reactor fuel element assemblies, 22:42514

OBERTH, Ronald C. Acceleration patterns in quasi-steady MPD arcs, 25:14281

OBERTHIN, H. K. Application of modified counter-current technique to the determination of tungsten in molybdenum, 22:16437
- Improvement of the sensitivity of molybdenum and tungsten determination in niobium and tantalum, 22:48837

OBERTHIN, Hans K. Determination of traces of nitrogen in refractory metals and alloys by hydrofluoric acid—phosphoric acid—potassium dichromate decomposition and indophenol photometry, 22:16448

OBERTS, Pavel Function for particle distribution at pitch angles taking into account the earth gravitational field, 23:42089

OBERTZ, P. Spatial characteristics of type Pc5 geomagnetic pulsations, 23:10539

OBI, Itsuaki Radiometric survey in Fukushima and Miyagi, 23:49955

OBI, K. Photochemistry of Si compounds. III, 23:21725

OBI, Nakamaru Radiometric survey in Kumano district, 23:49935
- Radiometric survey with a car-mounted instrument in the eastern part of Aichi prefecture, 21:10455

Radiometric survey with a car-mounted instrument in the southern part of Hyogo prefecture, 22:6451
Radiometric survey with a car-mounted instrument in northern part of Abukuma District, 24:2313
OBIKI, T. Drift waves in a cesium plasma, 25:33349
Propagation of longitudial ion waves near and above ion plasma frequency in a plasma, 22:17643
Suppression of a two-stream interaction in a beam—plasma system by external ac electric fields, 22:11432
Suppression of drift wave in a Cs plasma, 23:32519
OBIKI, Tokuhiro Propagation and damping of large-amplitude ion acoustic waves in a plasma, 22:34637 (AD-665529)
OBINATA, Sumiko Analysis of dynamic characteristics of a PWR nuclear plant, 25:18119
Analysis of dynamic characteristics of a PWR nuclear plant, 25:51050
Stability study of a PWR nuclear power station connected to an electric power system, 25:60105
OBINYAKOV, B. A. Double thermal-neutron polarizer, 25:22955
Search for three-vector correlation in polarized neutron decay, 24:35601
Search for three-vector correlations in decay of polarized neutrons, 24:51903 (AEC-tr-7156)
Search for violation of T-symmetry in β decay of polarized neutrons, 22:52929
Time-parity violation in beta decay of polarized neutrons, 22:50286
OBLAK, J. M. Control of γ' particle size and volume fraction in Udimet 700, 25:49477
Creep-induced intrinsic/extrinsic fault pairs in a nickel-base alloy, 24:1042
Precipitation in nickel-base Alloy 718, 24:1041
Relationship of microstructure to workability in a high strength nickel-base superalloy, 25:35500
OBLAK, P. Analysis of nonlinear control of reactor disturbed by random noise, 23:43101
OBLANAS, John Airborne lidar observations, 22:21227 (PNE-1119)
Lidar observations of exhaust plume of nuclear-powered rocket engine, 22:47241 (UCRL-13358)
OBLANAS, John W. Lidar observations of debris clouds from nuclear cratering detonations, 22:47242 (UCRL-13360)
Lidar observations of debris clouds from nuclear cratering detonations, 24:36448 (UCRL-13451)
Lidar observations of Pre-GONDOLA I clouds, 21:39071 (PNE-1110)
OBLAS, D. W. Methods for trace analysis of rare earths, 22:18703
OBLAS, Daniel Argon concentration in W films, 24:23484
OBLAS, Daniel W. Sensitivity factors of the rare earths in an rf spark source mass spectrograph, 25:39418
OBLINGER, C. J. Thermodynamics of vanadium alloys. I, 25:8862 (AD-709957)
Thermodynamics of vanadium alloys. II, 25:49402 (AD-720287)
Thermodynamics of vanadium alloys. III, 25:49403 (AD-720288)
OBLINGER, Charles J. Determination of thermodynamic interaction parameters in solid V—Ti alloys using the mass spectrometer, 25:55489
OBLIVANTSEV, A. N. Apparatus for irradiation of pellets by a horizontal beam of charged particles, 24:28655
Effects of LET on proton radiolysis of sodium nitrate, 23:4679
Importance of thermal peaks in the radiation-induced decomposition of salts, induced by heavy charged particles, 21:12463
Proton dosimetry in radiative chemical studies of ionic salts, 22:12652
Proton radiolysis of alkali metal nitrates, 21:30467
Temperature of thermal peaks during irradiation of ionic crystals, 25:56318
OBLOCK, V. Comparison of calculated and measured delayed- and photo-neutron decay rate for an NRX, 22:6081
OBLOCK, V. S. Comparison of calculated and measured energy-dependent activation rates for NERVA-type reactor, 24:46099
Material reactivity worths in the Flexible Critical Experiment, 23:37630
Neutron flux spectra measurements with energy-dependent activation foils and comparison with multigroup reaction rate calculations, 24:7242
Radiation environments internal to nuclear rocket shield experiments, 23:37671
Shadow shield techniques for measuring background during NERVA shield experiments, 23:37673
OBLOCK, Vencil Stanley Measurement of photofission cross section of ^{238}U using monochromatic photons, 22:7735
OBLOJ, Jozef Effect of gamma-radiation on properties and structure of ethylene—propylene copolymers, 21:23935
OBLOMEEV, E. N. Study of causes of incomplete uranium recovery from granular fluoride slag, 23:21803
System UF_4—CaF_2, 21:32170
OBLOW, E. Discrete energy formulation of S/sub n/ transport theory, 25:41187
P/sub L/ approximation in monoenergetic transport theory with arbitrary anisotropy, 25:41172
OBLOZINSKY, P. Compound nucleus cross-section calculations for α-particles in parabolic approximation, 25:46139
Geometric factors of irradiation in fast neutron activation analysis, 25:51412
Isomeric cross-section ratios analysis of $^{134}Ba(\alpha,n)^{137}Ce$ reaction, 25:56765
Kinematics of $T(d,n)^4He$ reaction, 25:45907
Solid angle subtended at a disk source by a non-parallel disk detector, 25:37600
OBODOVSKII, I. M. Method for the determination of optical spectra of scintillations, 23:2587
OBODOVSKII, N. M. Effects of electric fields on scintillations, 21:6241
OBOLONCHIK, N. V. Extraction-absorptiometric determination of tin in high-purity indium, 23:37893
OBOLONCHIK, V. A. Stability of transition metal carbides under conditions of anode polarization, 23:36180
Synthesis of diselenides of Mo, W, and Nb, 23:8283
OBOSHI, Shoichi Induction of infectious friend virus by ionizing radiation, 21:24587
Tuberculoid granulomas in lymph nodes irradiated for metastatic tumors, 21:22723
Tumor-host relation in cancer radiotherapy, 25:58072
OBOUSSIER, F. State of supply of the community with nuclear fuels, 25:5880
O'BOYLE, D. R. Constitution of plutonium alloys, 23:18238 (LA-3870)
Development of thorium—uranium and thorium—uranium—plutonium fuels, 22:43520 (ANL-7299, pp 138-43)
Fission product ingots formed in uranium—plutonium oxide in EBR-II, 24:42296
Microanalysis of solid fission products in mixed-oxide fuel irradiated in EBR-II, 22:4023
Migration of plutonium and uranium in mixed-oxide fuels irradiated in a fast flux, 25:40139
Observations on metallic ingots formed during irradiation of mixed-oxide fuel, 22:32817
Properties and irradiation behavior of Th—U—Pu alloys, 24:7371
Solid fission product behavior in U—Pu oxide fuel, 23:12444
Thorium—U—Pu alloys as potential fast power-reactor fuels. II, 24:23496 (ANL-7259)
Uranium—plutonium—zirconium ternary alloy system, 25:11442
O'BOYLE, M. J. Control of xenon instabilities in large pressurized water reactors, 24:5519 (WCAP-3680-23)
Prog. rpt. on control of xenon instabilities in large PWR's, 3/31/69, 23:37484 (WCAP-3680-10)
Prog. rpt. on control of xenon instabilities in large PWR's, 12/31/68, 24:16174 (WCAP-3680-9)
Prog. rpt. on reactor core evaluation, 6/30/67, 22:1778 (WCAP-6085)
Prog. rpt. on Yankee core evaluation, 4—6/66, 21:1181 (WCAP-6081)
Prog. rpt. on Yankee core evaluation program, 7—9/66, 21:30181 (WCAP-6082)
Yankee core evaluation program, 24:26691 (WCAP-6088)
OBRADOVIC, D. Measurement of low reactivities using a reactor oscillator, 22:44910
Measurement of the kinetic parameters for the RB reactor, 21:19489
Multigroup neutron transport equation in diffusion and P_1 approximation, 24:8825 (SRRC-35/69)
Multigroup neutron transport equation in diffusion and P_1 approximation, 25:12345
Multigroup space-dependent reactor transfer function, 23:52469
Spectral properties of multigroup transport operator with delayed neutrons, 23:52470
Use of a critical assembly in obtaining data for installing a flux trap in a research reactor, 22:12111
OBRADOVIC, J. Site selection for nuclear power plants in Yugoslavia, 22:18435
OBRADOVIC, Janko Criteria for choosing a location for the nuclear power station, 21:15682
Estimate of the proposed nuclear power plant sites in Yugoslavia, 21:19409
OBRADOVIC, M. Vibrational normal coordinate analysis of H(D)NCO and H(D)NCS, 25:41791
OBRAZ, Jaroslav Automation possibilities of ultrasonic control of fuel rods, 24:13642
OBRAZTSOV, V. I. Effect of nuclear reactions and radioactive transformations on the cavitation threshold, 22:27748
OBRAZTSOVA, G. A. Effect of training nervous processes on the weight of the brain and the cholinesterase activity, 25:10411 (UCRL-Trans-1424)
OBRECHT, Paul Treatment of chronic lymphatic leukemia by extracorporeal irradiation, 23:38718
OBREGON, O. General relativistic barometric formulae, 25:33045
OBREMSKI, Robert J. Vibrational spectra of single crystals, 24:27085
OBRENOVIC-PALIGORIC, I. Spectrophotometric determination of U in organic solutions of tributyl phosphate, 22:14436
OBRENOVITCH, A. Prog. rpt. on DNA replication in animal cells, annual, 1966, 21:22236 (EUR-2959.e)
OBRETENOVA, Klara Role of infection and ionizing radiation in formation of complement-fixing autoantibodies, 22:23443
OBREZ, Ivo Isotope scanning in intraarterial infusion chemotherapy, 24:34523
OBRIDKO, V. Energy release by magnetic field dissipation in the solar atmosphere, 23:10394
Large-scale mutual relations of spot groups in proton complex, 23:25082
OBRIDKO, V. N. Bartels' active longitudes, sector boundaries, and flare activity, 23:25106
Long-term forecasts of proton flares, 23:22844
Magnetic field decay in the group 21034 during the proton flare period of July 1966, 23:22806
Radio emission and atmospheric structure above sunspots, 21:28886
Structure of magnetic field of sunspots, 23:36388
Two-component structure of the sunspot magnetic field, 23:14524
Two-component sunspot model, 23:14525
O'BRIEN, B. Biological dosimetry, 24:25491
O'BRIEN, B. B. Reflection and transmission measurements on a magnetized plasma slab, 25:33347
Resonances and wave conversion below the second electron cyclotron harmonic, 24:28371
O'BRIEN, B. B. Jr. Nonlinear interaction between electroacoustic and TEM waves at microwave frequencies, 22:1177 (IPP-3/54)
Nonlinear interaction between electroacoustic and TEM waves, 23:23220
O'BRIEN, B. G. Adapted model for the LET dependence of LiF thermoluminescence, 23:41053
O'BRIEN, B. J. Detection of alpha particles in auroral phenomena, 22:36839
High-sensitivity satellite-borne television camera for the detection of auroras, 22:41473
Level structure of ^{51}V, ^{53}Mn, and ^{55}Co by $(^3He,d)$ reactions, 22:3677
Loss of low-energy positive ions from the inner radiation zone, 21:41925
Photometric observations in South America and their relation to trapped radiation, 22:47905
Reaction $^{56}Fe(p,\gamma)^{57}Co$, 25:3601
SPECS, a versatile space-qualified detector of charged particles, 21:34483
O'BRIEN, Barbara C. Neutron activation analysis of uranium, 23:35051
Uranium content of Caribbean cores P6304-8 and P6304-9, 25:20953
O'BRIEN, Brian J. Auroral electron characteristics deduced from ground-based observations, 25:27590
Incoming lower-energy particles and their association with airglow and aurorae, 23:1264 (N-68-28336)
Magnetosphere and auroras, 21:37332
Mutual effect of precipitated auroral electrons and the auroral electrojet, 22:17470
Particle measurements on (Neutral-1) in highly eccentric polar orbit, 22:5269
Precipitation of electrons and protons into the atmosphere, 21:9441
Source of auroral energetic particles, 25:14116
O'BRIEN, C. A. Blood changes in female goats following different intensities of gamma radiation, 22:45656
O'BRIEN, Donald D. Neutron—proton charge-exchange scattering from 8 to 28 GeV/c, 25:50059 (PURC-4159-35)
O'BRIEN, F. Calculation of atomic wave functions, 22:21848
Prog. rpt. on atomic structures, final, 6/66, 21:35001 (AD-639311)
Relativistic atomic wave functions, 25:47349
O'BRIEN, H. A. Preparation of carrier-free ^{129}Cs, ^{132}Cs, and ^{136}Cs, 25:32010
Thermal neutron cross sections and resonance integrals of ^{139}La and ^{140}La, 21:15592
O'BRIEN, H. A. Jr. New way to make pure ^{141}Ce, 21:15939
Preparation of ^{67}Cu from ^{67}Zn in a nuclear reactor, 23:15398
Preparation of carrier-free ^{55}Fe and ^{59}Fe by reactor irradiation, 24:254
Reactor production of ^{86}Rb from Sr, 21:28018
O'BRIEN, H. G. Loss-of-cooling accidents in a gas-cooled fast reactor, 24:46073
Protection instrumentation systems, 24:22374
Protection instrumentation systems in light-water-cooled power reactor plants, 24:3992 (ORNL-NSIC-29)
O'BRIEN, Harold A. Jr. Isotopic neutron sources from the Los Alamos Meson Physics Facility, 25:50197 (CONF-710402-(Vol.2), pp I.128-35)
O'BRIEN, J. A. Neutron attenuation by Fe and Pb, 23:16860
Neutron dose rate attenuation by iron and lead, 22:31909
O'BRIEN, J. L. Effects of low-temperature aging on resistive transition of superconducting 70Zr—30Nb in pulsed magnetic fields, 22:1101
Structure and orientation of the second phase in ZrB_2 crystals, 22:38641
O'BRIEN, J. R. Detection of thrombosis with ^{125}I fibrinogen, 25:11191
O'BRIEN, James E. Interferometric measurements of 142 solar wavelengths, 25:58595
O'BRIEN, James Edward Interferometric measurements of solar wavelengths, 24:44932
O'BRIEN, James J. Opportunities for augmenting water supplies through desalting, 25:46320
O'BRIEN, John Terrance Relaxation theory of Stark broadening of He II lines in plasmas, 25:56184
O'BRIEN, K. Accelerator stray neutron dosimetry, 21:1767
β-ray dose at interface between two media, 25:6706
Calculated cosmic-ray ionization in the lower atmosphere, 24:45069
Calculations of shielding for large cyclotrons, 25:50478
Cosmic-ray propagation in the atmosphere, 25:35925
Distribution in energy and angle of high-energy neutrons from a gun source, 22:50518
Energy density distribution in Sn from 8 GeV pion beam, 25:1456
Estimating stray photon spectra and dose above 25 MeV near transverse shielding of proton synchrotron, 24:27432 (HASL-226)
Extra-nuclear hadron cascade calculations using Passow's approximation, 23:30746
Influence on relaxation lengths for high energy neutrons of the angular distribution of the incident flux, 21:21361
Monte-Carlo unfolding of neutron spectra, 25:18740
Neutron dose equivalents from multisphere accelerator-shield leakage spectra, 24:21024 (HASL-223)
Propagation of neutron component of nucleonic cascade at energies less than 500 MeV; theory and solution to accelerator transverse shielding problem, 22:17717
Stray neutron spectra at large pulsed particle accelerator sites, 21:31648 (ANS-SD-3, Session 2, Paper 4)
Study of the neutron cascade in iron, 23:22078
Transverse shielding calculations for high-energy photon beams, 23:27676
O'BRIEN, K. C. 16-GHz observations of eclipse, 24:37135
O'BRIEN, K. P. Cardiac catheterization. III, 25:26854

O'BRIEN, Keran 1970 sea-level cosmic-ray neutron measuremens, 25:24928 (HASL-241)
Calculated cosmic-ray ionization in the atmosphere, 24:32696
Calculated cosmic-ray muon spectra at high energies (> 20 GeV), 25:59245
Calculation of dose and dose-equivalent rates to man in the atmosphere from galactic cosmic-rays, 24:37281 (HASL-228)
Composition of atmospheric cosmic rays near solar maximum, 25:40407
Consideration of cosmic-rays as secondaries, 24:10400 (HASL-216)
Experimental determination of differential energy and angle spectra for ^{137}Cs gamma rays in water, 21:7312
High-energy accelerator shield leakage neutron spectra, 21:7325
High-energy accelerator shield-leakage neutron spectra, 21:21012
Investigation of differential energy and angle spectra for ^{137}Cs gamma rays in water and air, 21:44143
Monte Carlo procedure for calculation of extranuclear cascade, 22:39252 (HASL-192)
Monte Carlo unfolding of neutron spectra, 25:4367
Neutron shielding of Los Alamos meson physics facility, 22:3557 (HASL-188)
Neutron spectra in the side-shielding of a large particle accelerator, 25:25552 (HASL-240)
Neutron spectrometry: operation HENRE (Program 6), 24:4421 (CEX-65.60)
Nuclear emulsion spectrometry at low and intermediate neutron energies, 24:33916 (HASL-230)
Nucleon transport at energies up to 10^{4} GeV, 24:6783
Shielding calculations for broad neutron beams normally incident on slabs of concrete, 24:24099 (HASL-221)
Study of the propagation of the neutron cascade in iron, 22:31904
Tables for the determination of the lateral shielding requirements of high energy accelerators, 23:13146 (HASL-203)
Tables for the determination of the lateral shielding requirements of high energy electron and proton accelerators, 23:28066
Tabulated values of experimentally determined differential energy and angle spectra for ^{137}Cs γ rays in water and air, 21:30806 (HASL-187)
Transverse shielding calculations for components of a 1/2 TeV proton synchrotron, 22:46568 (HASL-199)
Transverse shielding calculations for high-energy photon beams, 23:36772
Transverse shielding problem for high-energy electron and proton accelerators, 24:45634 (CONF-691101-, pp 253-301)
O'BRIEN, Kevin P. Pericardiectomy for radiation-induced pericarditis with effusion, 24:34424
O'BRIEN, L. J. Analysis of ground motions and close-in physical effects, Rulison Event, 24:27254 (NVO-1163-206)
Analysis of selected effects on peak ground motions generated by underground nuclear detonations, 24:39099 (NVO-1163-TM-20)
Predicted San Fernando earthquake spectra: Glendale area, 25:54812 (NVO-1163-TM-30)
O'BRIEN, M. Prog. rpt. on air cleaning, semiannual, 3—8/69, 24:9621 (NYO-841-20)
O'BRIEN, M. G. Rapid monitoring of tritium and ^{14}C in urine, 22:28494
Rapid monitoring procedures for ^{14}C in breath, 23:31757
O'BRIEN, M. J. Determination of ^{99}Mo in separated /sup 99m/Tc, 24:9253
Prog. rpt. on air cleaning, 9/67—3/68, 22:28037 (NYO-841-12)
O'BRIEN, P. Efficiency calibration of semiconductor x ray detectors, 25:18715
Fabrication of thin radioactive sources using biological staining techniques, 25:32142
K conversion coefficient of M3 transition in ^{191}Os, 25:36804
O'BRIEN, P. A. Measurements of ionospheric electron content over Khartoum, 23:27471
O'BRIEN, P. D. Pulse characteristics of Sandia Pulsed Reactor-II, 22:33033
SPR II safety analysis, 21:27807 (SC-RR-66-2706)
SPR II: early operational experience, 22:27469 (SC-DR-67-801)
O'BRIEN, Paul D. Design problems, 24:11262 (CONF-690102-, pp 625-8)
Fast burst reactor operational incidents, 24:11247 (CONF-690102-, pp 373-84)
History and development of fast burst reactors 1944—1965, 23:28570
History and development of fast burst reactors, 1944—65, 24:11233 (CONF-690102-, pp 81-93)
O'BRIEN, Paul H. Effect of ionizing irradiation on normal lymphatic vessels and lymph nodes, 22:21618
Effect of irradiation on tumor-infused lymph nodes, 24:21289
Effect of tumor infusion on irradiated lymph nodes, 23:16418
Tumor bed effect of ionizing irradiation, 23:35833
O'BRIEN, R. B. Nuclear test gauge safety analysis, 23:21515 (GEMP-663)
Safety analysis report on NASA cavity reactor critical experiment, 23:21514 (GEMP-402(Add.2))
O'BRIEN, R. P. Comparison of energy sources for the electric power industry, 23:15644
O'BRIEN, R. S. Ozone determinations by lunar rocket photometry, 25:47387 (ADP-106)
O'BRIEN, Richard C. Aversion to dental x rays, 23:29870
O'BRIEN, T. J. Application of Fredholm theory to elastic scattering, 24:17681
O'BRIEN, T. J. P. Extrema-effect in total elastic molecular beam scattering cross sections for characterization of the potential well, 21:9297
O'BRIEN, T. P. Studies of phenomena connected with the depressurization of water reactors, 24:29039
O'BRIEN, Vivian Class of exact magnetohydrodynamic solutions, 22:9163
O'BRIEN, William George Torque—Knudsen measurement of the vapor pressure of the platinum dihalides, 25:39376 (IS-T-445)
O'BRIEN, William L. New internal oxidation process for strengthening tungsten, 25:37930 (BM-RI-7521)
OBROWSKI, Walter Apparatus for measurements of neutron flux, 24:9659
OBRUSNIK, I. Determination of Tl and Pt by activation analysis, 23:4547
Rapid determination of thallium traces by activation analysis applying substoichiometric displacement, 25:51411
OBRUSNIK, Ivan Determination of In and Sn by activation analysis using replacement substoichiometry, 23:28751
Replacement substoichiometry and its application in activation analysis, 22:27609
OBRUTSKY, D. Precipitation in copper—zirconium alloys containing 0.003 to 0.26 percent Zr, 21:45905
O'BRYAN, Robert M. Critical analysis of the control of malignant effusions with radioisotopes, 23:4993
OBRYK, E. Backward single pion photoproduction and the symmetric quark model, 23:27779
Baryon electromagnetic transitions in the three-triplet model, 22:39328
Single pion photoproduction in the quark model, 24:3580
Wave functions for three-body systems, 23:13080
OBRZUT, J. J. Forging offsets competitive blow, 23:24824
Forging technology expands to meet market needs, 22:23789
OBST, B. Anisotropy in cubic superconductors. II, 25:43294
Anisotropy in cubic superconductors. I, 25:43295
Rectangular flux line lattice in type-II superconductors, 23:20849
OBST, E. Two-particle—two-hole configurations in dipole resonances of ^{90}Zr, 21:44677
OBSTANCIAS, H. Optimization of the power of the G2 and G3 reactors, 21:27765
OBU, M. Isobaric analogue states of the highly excited states, 22:27054
Measurement of central fission ratios and fission rate distributions in FCA, 25:37066 (JAERI-Memo-4356)
OBU, Makoto Characteristics of proton recoil proportional counter GD-A for neutron and γ-ray, 25:42106 (JAERI-13580)
Effective resonance integral of thorium oxide in homogeneous mixture, 22:48415 (JAERI-1160)
Experimental calibration of matching foils for avoiding thermal neutron flux perturbation, 22:53470
Gamma-ray discriminating system for a proton-recoil counter, 25:42105 (JAERI-13561)
OBU, Mitsuaki Analysis of ^{58}Ni(n,p)^{58}Co reactions, 25:5638
OBU, N. Correlation of integral data and cross sections in intermediate energy cores, 24:22388
OBUCHI, Tatsuro Studies on the bone impairment by the deep radiotherapy for cancer of the uterus, especially on the neck of femur, 21:11066
OBUCHOV, A. A. Study of microwave absorption by plasma in a magnetic field, 24:17989
OBUKHNOV, A. A. Research on the transformation and absorption of high-frequency waves in a plasma, for the purpose of developing methods of plasma heating, 25:38516 (CONF-710607-140)
OBUKHOV, A. A. Absorption of microwave power by a plasma at frequencies below the electron cyclotron frequency, 22:48075 (NP-tr-1668)
Absorption of microwave power by a plasma at magnetic fields above the cyclotron field, 24:49219
Attenuation of microwave field in a plasma in magnetic fields much larger than the cyclotron field, 23:8583
Damping of a superhigh-frequency field in a plasma in the presence of magnetic fields appreciably greater than the cyclotron field, 22:48076 (MATT-Trans-57)
Damping of the ultrahigh-frequency field in a plasma in case of fields greatly exceeding the cyclotron field, 22:44088 (NP-17560)
Location of wave transformation region in uhf discharge plasma, 25:47583 (NP-18912)
Microwave discharge at harmonics of the electron cyclotron frequency, 25:49909
Plasma excited by microwave field near cyclotron resonance frequency. I, 21:44025
Ratio of longitudinal and transverse diffusion coefficients in argon SHF discharge plasma, 25:45447 (NP-18916)
Some peculiarities in plasma formation by microwave power near electron cyclotron harmonics, 25:1217 (NP-18503)
Spreading of high-frequency plasma along magnetic field, 25:5132
Study of stationary plasma excited by microwave power, 22:39118
Superhigh-frequency heating of plasma in magnetic field, 23:3440 (NP-17655)
Wave transformation conditions in longitudinally inhomogeneous plasma, 25:47584 (NP-18913)
Wave transformation conditions in plasma, 25:5131
OBUKHOV, A. I. Fission cross sections and the fission fragment distribution from bombardment of light nuclei by ^{20}Ne ions, 24:38233
Nuclear fission, 22:5820
OBUKHOV, A. P. Interaction of niobium with a zinc melt, 25:55534
OBUKHOV, P. I. Influence of the coolant flow on the transient processes occurring in a nuclear power installation, 21:31976
Influence of the temperature coefficient of reactivity on the character of the transient and emergency modes in a nuclear power station, 21:31978
OBUKHOV, V. I. Negative absorption in the bands of the molecular ion of nitrogen in a glow discharge, 21:42043
OBUKHOV, V. K. Nearly complete flattening of power release along radius of heterogeneous reactor, 23:13550
Temperature effect in 20 to 250°C range for certain, strictly regular, heterogeneous, U—H_2O critical assemblies, 25:60161
OBUKHOV, Yu. L. Motion of particles in the "adgeza,,, 23:21189 (UCRL-Trans-1390)
Problems of particle motion in adgesator, 23:8865 (JINR-P9-4132)
OBUKHOV, Yu. V. Dependence of negative muon residual polarization in water upon temperature, 22:41723 (JINR-P14-3832)
Depolarization of μ^{+} mesons in alkali metal halide, 24:35173
Effect of the crystal lattice of silicon on the hyperfine splitting energy of muonium, 24:39843
Hyperfine structure and depolarization of negative muons in muonic atoms, 24:15145
Investigation of muonium depolarization processes in germanium single crystals, 23:30317
Investigation of μ^{+} meson depolarization in scintillation plastics in variously oriented magnetic fields, 23:30320
Paschen—Back effect for muonium atom, 24:35175
Residual polarization of μ^{-} mesons in water at different temperature and in hydrocarbon, 23:7078
Residual polarization of negative muons in water, 23:44152
Search for atomic muonium in chemically inert substances, 21:43788
Slow depolarization of μ^{+} mesons in some substances, 23:44640
Study of the behavior of muonium in scintillating plastic, 21:31246
OBUKHOVA, M. E. Complex formation of americium with decanohydroxamic acid, 24:19073
OBUKHOVSKII, I. T. Two methods for resolving the nonrelativistic three-body problem, 22:48383
OBUKOV, Yu. V. Residual polarization of negative μ mesons in hydrocarbons, 22:38718 (JINR-P14-3809)
OBUVAYLO, P. Veterinary treatment how is it done, 24:48599
OBVINTSEV, G. V. Gamma radiation from radioactive isotopes and fission products, 22:18203
OBZHERINA, K. F. Optical aspects of dielectric penetrability and chemical bond in rare earth sulfides, 23:49811
O'CALLAGHAN, C Suppression of background on long exposure of autoradiographic stripping film, 24:5896
O'CARROLL, Michael Exact computation of the van der Waals constant for two H atoms, 22:52544
OCASIO-CABANAS, Willie Diffusion parameters of heterogeneous systems and systems with voids by the pulsed neutron technique, 23:13193
OCCHIALINI, Giuseppe P. S. Albedo neutron component of Earth's radiation environment, 25:49640 (AD-722467)
OCCHIONERO, F. Conversion of gravitational into electromagnetic waves, 25:55805
Differential rotation, 22:45849
Initial-value problem for gravitational collapses, 22:52417
New experiment in general relativity, 25:47967
Radial pulsations of rotating stars. I, 22:4929
Radial pulsations of rotating stars. II, 22:29145
Rotation and electron capture in white dwarfs, 21:16746
Self-gravitational Rayleigh—Taylor instability, 21:11726
Shape of Crab pulsar and period fluctuations, 24:27966
OCCHIONERO, Franco Electric fields in rotating, magnetic, relativistic stars, 24:4915
Electrodynamical properties of empty space in general relativity, 25:1629
Newtonian electrodynamics from general-relativistic arguments, 25:9052
Unified model for pulsars, 23:48660
OCCHIONORELLI, M. Measurement of the plasma potential in the presence of a magnetic field using an emitter probe, 25:25087 (LA-4431-tr)
OCCHIPINTI, C. Reagents for determination of Mo, 23:24079
OCCHIPINTI, E. S. High-flux operation via analog computer, 21:15782
O'CEALLAIGH, C. High-resolution study of low-energy heavy cosmic rays with Lexan track detectors, 23:630
Identification of isotopes of energetic particles with dielectric track detectors, 22:10558
Measurement of cone length and range in etched plastics, 25:394
Measurement of cone length and range in etched plastics, 25:44636
OCERAIES, Yves Bugey gap model, 24:43602 (CEA-N-1302)
Gamma radiation attenuation study: ^{14}Ni loop, comparison of experimental results with calculation, 24:47848 (CEA-N-1331)
Power dissipated in graphite and CO_2 of a graphite reactor cell, 24:43855 (CEA-R-3985)
Stationary dose under a tubular base plate of Fessenheim type, 24:43603 (CEA-N-1305)
OCHABOVA, Petronela Influence of sunspots on different types of diurnal geomagnetic variations, 22:2923
OCHELKOV, Yu. P. Ultrarelativistic plasma in magnetic field, 25:38833
OCHI, Hironobu Protective effect of MEG, AET, serotonin, and phenylephrine following whole-body irradiation, 22:33841
OCHI, Hisao Gas chromatographic analysis of metal pivaloyltrifluoroacetonates, 25:15752
OCHI, Nobuhiro Relative biological effectiveness of 15-MeV x-rays and electrons on Ehrlich ascites tumor of mice, 21:34787
OCHIAI, F. Detection of rho-mesons produced by muon—nuclei interactions, 25:33526
Regge-dipole model and $\pi^{-}p \to \gamma n$ reaction, 25:14704
OCHIAI, Fumio Program for analysis of bubble-chamber photographs, 25:4372 (SJC-T-70-3)

- OCHIAI, Hiroshi Production of two different types of chromosome breaks by x-rays, 21:10842
- OCHIAI, Kanehiro Aseismatic design of equipments for nuclear power station, 25:31601
- OCHIAI, Ken-ichi Studies on cation exchange equilibria for the uranyl—hydrogen system, 22:21160
- OCHIAI, M. Reaction intermediates produced from nitriles in γ-irradiated organic glasses, 24:31379
- OCHIAI, Mitsuru Intermediates and products in the radiolysis of phenyl acetate, 24:11613
- OCHIAI, Moyuru Kinetic equation for plasma and radiation system. II, 25:40650
  - Kinetic equations for plasma and radiation system. I, 25:40649
- OCHIAI, S. I. Investigation of superconducting-energy-gap behavior of single-crystal rhenium by tunneling, 25:56067
  - Tunneling into a superconducting rhenium single crystal, 24:37418
- OCHIAI, Shin I. Superconducting energy-gap behavior of single-crystal Re by tunneling, 25:45392 (AD-718415)
  - Tunneling into superconducting rhenium single crystals, 25:14147 (AD-711826)
- OCHIAI, Toshio Evaluation of ground water resources by tritium dating, 24:31479
- OCHIAI, Toshiro Development of underground water through fissures, 24:25120
  - Prospecting of underground water by natural radioactivity, 22:2195
  - Radiometric method for hydrogeologic stratigraphy, 24:16690
- OCHINSKAYA, G. K. Toxic effects of an irradiated medium in postradiation death of cells. I, 25:44942
- OCHKAS, L. F. Roentgenographic investigation of neutron-irradiated carbides of titanium and chromium, 24:14971
- OCHKIN, A. V. Theoretical aspects of amine extraction, 23:33251
- OCHKRUG, A. P. Suggested classification scheme of γ-methods in nuclear geophysics, 22:6444
- OCHKUR, A. P. Analysis of x-ray spectra of elements with adjacent atomic numbers by the emission peaks, 22:43097
  - Application of x-ray radiometric and photoneutron methods in studying elementary composition of rocks and ores, 22:50948
  - Effect of multiply scattered γ-radiation in the x-ray radiometric method, 25:28939
  - Gamma-ray reflection method for determination of Fe in underground boreholes, 21:41000 (AEC-tr-6904)
  - Generalization of γ-albedo calculations on basis of similarity theory, 25:27831
  - Geometric inversion and its utilization in x-radiometric and gamma—gamma method, 25:34904
  - Method and technique of gamma—gamma logging of underground boreholes in mercury and iron ore deposits, 25:26352 (CONF-630513-1)
  - Semiconductor detectors for radioisotopic x-ray fluorescence method, 24:44297
  - X-ray fluorescence analysis with radioisotope for determination of rocks and ores, 24:19254
- OCHKUR, V. I. Exchange correction to the amplitude of direct scattering of electrons from atoms, 23:39330
  - Ionization of the hydrogen atom by electron impact in the three-body approximation of classical mechanics, 21:24938
- OCHOCKA, M. Postirradiation kidney atrophy in a child with malignant lymphogranulomatosis, 22:23587
- OCHS, Gerard R. Synchrotron radiation measurements near the magnetic equator, 21:9464
- OCHS, W. Analysis of differential-space quantum theory, 25:7512
  - Can quantum states be considered as ensembles of dispersion-free states. II, 25:38603
  - Can quantum-states be considered as ensembles of dispersion-free states. I, 25:30701
  - Differential-space quantum theory, 25:7511
  - Longitudinal momentum plots in three-body final states with strangeness minus one, 23:32626
  - Multiple strange-particle production by 6 GeV/c K^--mesons in H, 23:46619
  - Omega$^-$ production by 6 GeV/c K^- mesons, 22:20140
- OCHSENFELD, W. Absorption spectra of Pu(III), Pu(IV), Pu(VI), U(IV), and U(VI) in nitric acid and tri-n-butyl phosphate—n-alkane solutions and their use in automatic process control, 25:23583 (KFK-1306)
  - Aqueous reprocessing of fast breeder fuel elements, 25:57518 (EURFNR-888)
  - Aqueous reprocessing of fuel elements of fast breeder, 25:26326 (KFK-911)
  - Behavior of high Pu concentrations in Purex process and development of fast separators for reprocessing fuels, 22:30646 (EURFNR-460)
  - Calculation of simultaneous distribution of Pu(IV) and U(VI), 24:9472
  - Distribution characteristics of Pu(IV) and U(VI) and their mathematical determination in metal nitrate—nitric acid and tributyl phosphate systems, 22:14559 (KFK-671)
  - Distribution data for Pu(IV) and U(VI) and their calculation, in tributyl phosphate and metal nitrate/nitric acid system, 22:33484 (EURFNR-463)
  - Distribution of metal nitrates in system $Pu(NO_3)_4$—$UO_2(NO_3)_2$—HNO_3/TBP—Dodecane, 22:27857 (KFK-680)
  - Flowsheet studies on processing of plutonium fuels by solvent extraction, 23:47586 (KFK-990)
  - Influence of radiolysis of tributylphosphate on plutonium yield in Purex process at high plutonium content, 23:43384 (KFK-691)
  - Influence of the radiolysis of tributyl phosphate on the plutonium yield in the purex process for high plutonium content, 24:262 (EURFNR-663)
  - Metal nitrate distribution in $Pu(NO_3)_4$—$UO_2(NO_3)_2$—HNO_3/TBP—dodecane system, 22:51046 (EURFNR-499)
  - Reprocessing fuel elements for fast breeders, 23:17512 (EURFNR-581)
  - Reprocessing of fuel elements of fast breeder reactors, 23:6204
  - Retention of high plutonium concentration in purex process and development of rapid extraction for reprocessing of nuclear fuel, 22:16643 (KFK-652)
  - Spectrophotometric determination of Pu in nitric acid solution, 22:6255 (KFK-610)
  - Spectrophotometric determination of plutonium valencies in nitric acid solutions, 22:16416 (EURFNR-386)
- OCHSENFELD, Wilhelm Method of decomposing a nuclear fuel in a fused salt system by using nitric oxide, 23:4729
- OCHSNER, Alton Cancer of the lung, 21:22588
- OCHSNER, Alton Jr. Cancer of the lung, 21:22588
- O'CINNEIDE, S. Stability constants of polyvalent cations and aromatic arsonic acids. II, 24:2206
- OCKELOEN, M. W. Gamma-ray branchings, energies, and lifetimes of ^{48}Ca levels, 23:7264
- OCKEN, H. Fission gas swelling model incorporating re-solution effects, 24:7312
  - Fission gas swelling model incorporating re-solution effects, 24:46131
  - Fuel swelling model based on chemical reaction rate theory and incorporating re-solution effects (LWBR development program), 25:49581 (WAPD-TM-962)
  - Phase equilibria and superconductivity in the molybdenum—platinum system, 22:26061
  - Swelling and gas release models for oxide fuels, 25:32796
- OCKENDON, J. R. Asymptotic matching of plasma and sheath in an active low-pressure discharge, 25:17178
- OCKER, H. D. Contamination and decontamination of grain, 25:21647
  - Decontamination of cereals and cereal products, 21:28433 (EUR-3179.d)
  - Mechanism of radionuclide contamination of cereals, 25:46706
- OCKER, H.-D. Decontamination of grain, 25:21683
  - Decontamination of grain. I, 23:35715
- OCKERS, S. T. Electrical resistivity of V—H alloys, 24:35561
  - Hydrogen supercharging during thermal cycling of zirconium, 25:4756
  - Metallic character of metal hydride, V_2H, 25:9592
  - Microhardness of β—vanadium hydride, 24:17375
  - Thermal expansion of vanadium and vanadium hydride at low temperatures, 24:46734
- OCKERT, Carl E. Fuel pellet for nuclear reactor, 22:2686
- OCKEY, C. H. Chromatid aberrations from ^{3}H—thymidine incorporation into human fibroblasts, 22:45486
- OCKFEN, H. Apparatus to measure the thermal conductivity of graphite near room temperature, 22:30888 (EUR-3909)
- OCKLITZ, H. W. Antibodies labelled with ^{131}I applied to identifying bacterial infections, 23:29637
- O'CLAIR, C. E. Transect studies of littoral macrofauna, Amchitka Island, Alaska, 25:49140
- O'CONNEL, R. F. Origin of magnetic fields in white dwarfs and neutron stars. II, 25:52510
- O'CONNEL, W. J. T = 2 levels in ^{20}Ne, ^{24}Mg, and ^{32}S, 23:46957
- O'CONNELL, D. Large artery damage after x radiation, 24:14614
- O'CONNELL, E. L. Secondary isotope effects in reactions catalyzed by yeast and muscle aldolase, 24:2172
- O'CONNELL, J. M. Bonded bar and sleeve reinforced penetrations in concrete slabs, 23:38959 (RD/B/N-1151)
  - Bonded bar and sleeve reinforced penetrations in concrete slabs, 24:36913
  - Stress concentration factors around a penetration in a strip or slab of finite dimensions, 23:11734 (RD/B/N-1152)
  - Stress concentration factors around a penetration, 24:7568
- O'CONNELL, J. S. Angular distribution of the reaction ^{1}H(d,^{3}He)γ, 25:1558
  - Electron scattering sum rule for ^{2}H, ^{3}H, ^{3}He, and ^{4}He, 24:52409
  - Isospin sum rules and photodisintegration of A = 3 nuclei, 24:1909
  - Photodisintegration of the trinucleon system in a separable potential model, 22:18118
  - Photonuclear Data Index, 21:17354 (NP-16603)
  - Trinucleon form factors calculated from realistic local potentials, 25:5833
  - Two- and three-body photodisintegration cross sections of ^{3}H and ^{3}He, 22:9776
- O'CONNELL, James Isospin sum rule for photonuclear reactions, 23:40096
- O'CONNELL, Joseph Charles Production and annealing of intrinsic defects in x-ray-irradiated cadmium sulfide, 23:10706
- O'CONNELL, L. G. WEDS in Europe, 25:44731 (UCRL-51082)
- O'CONNELL, L. J. Transfer function models of DTL and TTL integrated circuits, 25:20893 (SC-RR-70-650)
- O'CONNELL, M. J. Energy-loss extraction system with thin-septum plunged magnet at NIMROD, 23:27996
  - Extraction techniques at Nimrod, 25:1672 (RPP/N-22)
  - Particle production by 8 GeV/c protons incident on Al, Cu, Pb, and W, 21:7458
- O'CONNELL, P. A. Effects produced by ion bombardment and implantation into thin films and surfaces, 25:45569
- O'CONNELL, R. F. Beta decay of neutron immersed in degenerate electron gas, 23:42523
  - Cosmic-ray electron spectrum and the universal blackbody radiation at 3 deg K, 21:3704
  - Cosmic-ray electron spectrum in disc—halo galectic model, 21:37204
  - Diffuse component of cosmic x rays, 23:34302
  - Effect of a constant magnetic field on the neutron beta decay rate and its astrophysical implications, 23:30290
  - Effect of anomalous magnetic moment of electron on nonlinear Lagrangian of electromagnetic field, 23:15032
  - Effect of the anomalous magnetic moment of the electron on spontaneous pair production in a strong magnetic field, 22:41344
  - Effect of the earth's revolution around the Sun on the proposed gyroscope test of the Lense—Thirring effect, 25:7735
  - Equations of motion of a gyroscope from quantum theory of gravitation, 25:1630
  - Evolution of the radio spectral index of supernova remnants, 21:20647
  - Gravitational field of the electron, 24:45595
  - Have the diffuse cosmic x rays an anisotropic component, 24:6394
  - High-energy K-conversion coefficients, 23:4065
  - High-energy K-conversion coefficients for ^{114}Cd and ^{150}Sm, 23:17123
  - Internal conversion coefficients at gamma-ray threshold energies, 22:3773
  - Lense-Thirring type gravitational forces between disks and cylinders, 25:55807
  - Magnetic moment of a magnetized electron gas, 24:23611
  - Neutron beta decay in a uniform constant magnetic field, 23:32690
  - Origin of magnetic fields in white dwarfs and neutron stars, 25:35621
  - Production of helium in the big-bang expansion of a magnetic Universe, 24:28062
  - Radiation of gravitational waves in Brans—Dicke general-relativity theory, 21:42226
  - Schiff's proposed gyroscope experiment as a test of the scalar—tensor theory of general relativity, 22:9689
  - Schwinger's quantization relation between electric and magnetic charges, 23:44618
- O'CONNELL, Robert West Stellar content of M82, 25:19454
- O'CONNELL, W. J. Giant dipole resonances in ^{12}C and ^{16}O, 25:20277
  - Giant dipole resonances in p-shell nuclei, 22:26914
  - Inverse photonuclear process in ^{16}O, 21:46680
  - Observation of T = 2 and 3/2 levels by compound-nucleus reactions, 22:26989
  - Observation of T = 2 level in ^{24}Mg as a compound-nucleus resonance, 21:38269
- O'CONNELL, William Hydrogen-2(d,γ)^{4}He reaction from 6 to 19 MeV, 23:37098
- O'CONNELL, William John Inverse photonuclear reactions in the upper part of the 1p shell, 25:7810
- O'CONNOR, A. D. Design of a digital control panel for ^{60}Co radiotherapy unit, 22:51152
  - Isotopes in radiotherapy, 24:50942
- O'CONNOR, Charmian Alkaline hydrolysis of benzamide and N-methyl- and N,N-dimethylbenzamide, 22:16499
  - Tracer studies of carboxylic acids. V, 21:10324
- O'CONNOR, D. A. Dynamical theory of the interaction of x rays and neutrons with phonons, 21:44168
  - Moving-table Moessbauer spectrometer, 23:43574
  - Scattering of gamma rays by optical phonons in barium titanate, 23:30666
  - Theory of nuclear resonant diffraction of gamma rays by perfect crystals, 22:44229
  - X-ray temperature factors for Al and K chloride single crystals using nuclear resonant radiation, 21:11419
- O'CONNOR, D. T. Personal centripeter: particle size-selective personal air sampler, 24:4514
- O'CONNOR, J. D. Neutron activation analysis for plutonium mixed in soil, 21:12325
- O'CONNOR, J. E. Pituitary ablation for advanced carcinoma by transnasal implantation with radioactive yttrium, 22:51820
- O'CONNOR, James J. Standard handbook of lubrication engineering, 23:35440
- O'CONNOR, John T. Prog. rpt. on fate of zinc in natural surface waters, final, 10/68, 23:11646 (COO-1264-5)
- O'CONNOR, Joseph D. Analysis of debris from APG-3, 21:10514 (USNRDL-TR-1090)
  - Radiochemical and physicochemical studies of Kiwi-TNT debris, 21:14331 (USNRDL-TR-1100)
- O'CONNOR, K. J. R. Mysteries of radiation. II, 22:524
- O'CONNOR, L. P. Natural radioactive impurities in raw materials of ^{6}Li loaded Ce scintillation glasses, 23:29147 (AWRE-O-15/69)
  - Precise determination of ^{239}Np for evaluation of ^{238}U capture cross-sections at varying neutron energies in a zero-energy fast reactor, 22:4041
- O'CONNOR, R. M. Radiation-induced ionic polymerization of styrene, 22:12378
- O'CONNOR, S. Infrared spectrum of CrH and CrD, 22:12281
- O'CONNOR, T. Ablation test results on materials evaluated in AVCO 10 MW arc facility, 24:24966 (SC-CR-68-3546)
- O'CONNOR, Thomas L. Preparation of thoria sols by electrodialysis, 21:3539
- O'CONNOR, Timothy E. Radiation leukemia virus, 23:35850
- OCSAI, Mihaly Operation of the first Hungarian nuclear power station, 24:18543
  - Parameters of pressurized water nuclear power stations, 24:18609
- OCTOR, H. Preparation, crystal structures, and superconducting properties of thin sputtered films of the ternary compound Nb_3(Al—Ge), 25:45426
- ODA, Aiko Recent radiocarbon in plants, 22:40710
- ODA, Akira Development of an in-core void meter, 22:12688 (AEC-tr-6929)
  - Development of in-core void meter, 23:2696 (NSJ-tr-135)
- ODA, E. Radiation induced ionic polymerization, 25:57450 (ORO-3667-1)
  - Radiation induced polymerization of vinyl chloride, 24:31402
- ODA, Eisuke Vapor-phase graft polymerization on polymers preirradiated in air. I, 21:30463

Vapor-phase graft polymerization on polymers preirradiated in air, 21:30460
ODA, Fumihiko Studies on the fluidized bed calcination of high level radioactive liquid wastes, 25:18630
ODA, H. Fluctuations of muon and electron numbers in extensive air showers, 22:24082
Theoretical analysis of extensive air showers. II, 22:24083
ODA, M. Catheter-type semiconductor radiation detector, 24:31699
Location of x-ray source Sco X-1, 21:583
Measurement of the absolute intensity of cosmic x rays, 23:34166
Modulation collimator in x-ray astronomy, 22:52362
Observation of a new x-ray source, 24:6306
Possible models for x-ray source, SCO-X-1, 21:11355
Size and position of the x-ray source in the Crab Nebula, 21:20612
Some observational aspects of x-ray astronomy, 22:920
X-ray pulsations from Cygnus X-1 observed from Uhuru, 25:30139
ODA, Masaharu Radiotherapy of brain tumors, 22:31192
ODA, Minoru Optical identification and interpretation of x-ray sources, 22:52361
Realization of optimum pulse shaping filter, 23:41094 (EUR-4289, pp 43-6)
ODA, N. Relationship between primary energy transfer and target theory, 21:12872
Spectra of electrons from autoionization states in helium, 24:12644
ODA, Nobuo Calculation of primary energy transfer and effective inactivation cross section of targets for heavy charged particles, 23:51361 (JAERI-1179)
Characteristics of experimental apparatus for electron—atom collisions, 24:39869
Electron slowing-down spectra in aluminum and copper, 21:39800
Elimination of phosphor backscattering effect in electron scintillation spectrometry, 21:26164
Secondary-electron distribution for heavy ions, 21:5067 (UCRL-16405(Rev.))
Secondary-electron distribution for heavy ions, 21:13352 (UCRL-16898, pp 87-96)
Survival rates and effective inactivation cross sections of targets for heavy charged particles, 24:706 (JAERI-1180)
ODA, R. Small ring compounds. XXV, 24:18961
ODA, Shohei Spectrochemical determination of isotope ratio of oxygen by microwave discharge method, 22:27613
Spectrochemical determination of isotope ratio of oxygen by microwave discharge method, 22:33281
ODA, T. Effective neutron—proton interactions in nuclei with N = 29, 22:27306
Plasma polarization shift for the resonance line of ionized helium, 24:10528
Stark-profile measurements for the first four n-α lines of ionized helium, 25:52612
ODA, Takeshi Configuration states in (f,p) shells, 24:20426 (JAERI-1184, pp 113-14)
Fractional parentage coefficients for the nuclear jj-coupling states, 23:28322
ODA, Toshiatsu Flow deceleration of T-tube plasmas in a transverse magnetic field, 22:34686
ODA, Toshiyuki Application of activation analysis in hot spring chemistry and sanitary chemistry, 25:26195
Design for laboratory facilities with a neutron generator, 23:38151
Determination of ^{35}Cl/^{37}Cl ratio by activation analysis, 24:16456
Determination of rare earth elements in hot spring water. II, 22:8013
Determination of rare earth elements in hot spring water by radioactivation method, 23:17383
Determination of rare earth elements in hot spring waters. III, 23:40601
Some characteristics of neutron generator. I, 23:15345
ODA, Y. Development of mechanical sodium pump, 24:52894
Elastic and inelastic scattering of protons by ^{14}N, 22:26904
Photonuclear reactions of ^{6}Li, 22:26913
Reaction (p,p') on ^{27}Al and its nuclear levels, 22:27015
ODA, Yukiyasu Elastic and inelastic scattering of protons on ^{14}N in region 10 to 15 MeV. I, 25:38901
Particle reactions associated with photonuclear reactions on light nuclei, 25:38887 (JAERI-1205, pp 87-90)
ODABASI, Halis Selected topics in the theory of atomic spectra, 23:6892
Spectrum of doubly ionized Lanthanum, 22:5093
Topics in modern physics, 25:58682
ODAJIMA, K. Conceptual design of a 350-MW(e) demonstration fast breeder reactor, 24:7055
ODAJIMA, T. Behavior of a thermally conducting layer of bismuth between the can and powdered ceramic fuel, 24:44751 (KFK-tr-321)
ODAJIMA, Takeo Behavior of bismuth bonding between powder compacted ceramic fuel and cladding, 23:8313
ODAKA, T. Superconductivity in niobium and niobium-rich niobium—tantalum alloys, 22:29429
ODAR, Fred Preliminary designs of space power nuclear reactor shields, 25:1943 (N-70-32250)
ODAR, S. Moessbauer effect investigations on γ-irradiated iron complexes. I, 23:11556
Polymeric chromium(III) complexes arising from neutron irradiation of crystalline potassium chromate. I, 25:18486
Polymeric chromium(III) complexes resulting from neutron irradiation of crystalline K chromate. II, 25:29171
ODARTCHENKO, N. Clinical aspects of chronic radiation injury, 25:44951
Late effects on haemopoiesis and life-shortening, 25:44952
Specificity of tritiated thymidine as a precursor of DNA under conditions of prolonged administration, 25:13358
ODDES, M. Development of gadolinium capsules for detectors and dosimeters, 21:19899 (NP-16604)
ODDIE, C. J. Double isotope procedures for steroid hormone measurement, 24:29636
ODDIE, T. H. Dependence of renal clearance of radioiodide on sex, age, and thyroidal status, 21:8713
Mean euthyroid 24-hour radioiodine uptake, 21:22575
Thyroid iodine accumulation and turnover in euthyroid Australian subjects, 24:34050
ODDONE, P. J. Deuteron—deuteron elastic scattering at 2.2 and 7.9 GeV/c, 24:40254
Deuteron—deuteron interactions at 680 to 2120 MeV/c, 24:6686
Deuteron—deuteron interactions at six laboratory momenta from 680 to 2120 MeV/c, 24:10663 (PPAR-18)
Deuteron—deuteron scattering at 2.2 and 7.9 GeV/c, 25:3415
ODDONE, Piermaria Jorge Deuteron—deuteron elastic scattering at 2.20 GeV/c, 25:12092
ODDOU, J. L. Effect of impurities on the recovery stages of electrical resistivity in nickel bombarded by electrons at low temperatures, 21:1920 (AI-Trans-220)
ODE, Kazuya Features of atomic power from power system planning, 24:28893
ODEGAARDEN, R. H. Review of implementation of transport regulations for criticality control, 23:551 (CONF-681001-, pp 47-61)
Surface density spacing criteria using KENO calculations, 24:7349
ODEH, F. Existence and bifurcation theorems for Ginzburg—Landau equations, 22:19912
Existence of scattering solutions for singular potentials, 25:47937
ODEHNAL, M. Analysis of Q-meters used for measurement of enhanced nuclear polarization, 21:28319
Polarized proton target, 24:45712
Relaxation and polarization of LMN doped with Dy^{3+}, 23:15328
Spectrometers for proton dynamic polarization in a 50 kG field, 25:38824
O'DELL, A. A. Calculated gamma dose buildup near an air-ground interface, 25:40753
High-resolution carbon total-neutron cross-section measurements, 24:6835
High-resolution neutron time-of-flight measurement, 24:13249
Moments method transport analysis for point isotropic gamma sources, 25:40743
Monte Carlo calculation of sodium iodide scintillation detector response function, 25:54994 (EGG-1183-2283)
Monte Carlo transport analysis for finite ground-distributed γ sources, 25:56260 (EGG-1183-2284)
Neutron counting efficiency and charged particle response of NE-213 detector, 23:16086 (EGG-1183-2172)
Use of 50-picosecond linac beam for high-resolution neutron time-of-flight measurements, 23:37035 (EGG-1183-2211)
O'DELL, A. A. Jr. Measurement of absolute thick-target bremsstrahlung spectra, 22:25667
ODELL, A. L. Reactivity of co-ordinated acetylacetone. I, 21:10354
O'DELL, A. W. Particle production by 8 GeV/c protons incident on Al, Cu, Pb, and W, 21:7458
ODELL, Andrew P. Spectrophotometry of omicron Ceti, 24:51286
O'DELL, C. R. Conference on planetary nebulae, Tatranska Lomnica, Czech., 9/67, 23:22721
Evolution of diffuse nebulae, 23:44036
Optical backscattering functions in the Pleiades, 23:22727
Photoelectric spectrophotometry of MHα 328-116, 21:39747
Planetary nebula BD + 30°3639, 24:35011
Polarization of Taurus infrared source, 21:34984
Positional correlations of galactic objects and x-ray sources, 21:16759
Structure of Barnard Loop Nebula as determined from Gemini 11 photographs, 22:11160
Thermal emission by particles in NGC 7027, 22:17252
O'DELL, F. P. Fuel management in SGHWRs, 23:13396
Fuel management in steam-generating heavy-water reactors, 22:30259
Nuclear design of SGHWRs, 23:13393
Physics and control of steam generating heavy water reactor, 22:16161 (TRG-Report-1343)
O'DELL, F. W. Chemical composition of relativistic cosmic rays detected above the atmosphere, 24:30178
Composition of cosmic rays measured in Gemini XI, 23:46299
Semiautomatic readout for multiple microscope systems, 24:9722
O'DELL, Frederick Peter Nuclear reactor installations, 22:16242
O'DELL, Jean Marland Angular correlation studies of the ^{32}S(d,pγ)^{33}S reaction, 21:7761
O'DELL, Kenneth Dean Decomposition pressure, congruent melting point, and electric resistivity of cerium nitride, 21:18338
O'DELL, L. D. Analysis of critical experiments using version II of the evaluated nuclear data file, 24:33438
Calculation of the isothermal Doppler coefficient for the Southwest Experimental Fast Oxide Reactor (SEFOR), 25:54207 (HEDL-TME-71-81)
Comparison of nuclear design models for power and flux distributions near the FTR core-reflector interface, 25:10272 (WHAN-FR-35)
Doppler coefficient models and calculations for Fast Test Reactor (FTR), 25:54208 (HEDL-TME-71-89)
Fission product decay-heat calculations, 23:37586
Fission product inventory and decay heat associated with FTR fuel, 23:21511 (BNWL-961)
Numerical comparison of diffusion and transport (S/sub n/) codes, 23:31156 (BNWL-992)
Progress in meeting cross section needs from a fast-reactor designer's view, 25:23253 (HEDL-SA-163)
Revised fast reactor library for use with RIBD, 23:31155 (BNWL-962)
O'DELL, R. Douglas Calculational modeling effects on fast breeder fuel cycle analysis, 23:49565 (LA-4187)
Calculational models for fast reactor fuel-cycle analysis, 24:46065
Effect of collapsing cross-section data on fast breeder physics parameters, 25:15352
Models for fuel-cycle analysis in large fast breeders, 23:37419
PHENIX: two-dimensional diffusion-burnup-refueling code, 24:29014 (LA-4231)
Spectral effects on calculated fuel-cycle parameters in large fast breeders, 24:7131
ODELL, R. W. Jr. ^{60}Co teletherapy of localized prostatic carcinoma: a 10-year experience, 25:44864
O'DELL, S. Reaction (^{128}Te(d,p)^{129}Te) at 7.5 MeV bombarding energy, 22:3732
O'DELL, Stephen L. Limitation on synchrotron models with small pitch angles, 24:37077
Low-frequency cutoffs in synchrotron spectra, 25:857
ODELL, T. T. Jr. Differences between exogenous and endogenous hemopoietic spleen colonies, 24:27700
Effects of estradiol on splenic repopulation in irradiated mice, 25:4471
Radiation effects on the megakaryocyte and platelet system, 25:44897
ODELL, W. Radioimmunoassay of human thyrotropin, 23:11952 (CONF-671111-, pp 185-206)
ODELL, W. D. Correlation between bioassay and immunoassay of human luteinizing hormone, 24:29694
Radioimmunoassay for alpha melanocyte stimulating hormone, 21:6550
Radioimmunoassay for human follicle stimulating hormone, 24:50664
Radioimmunoassay of luteinizing and follicle-stimulating hormones in human serum, 23:11951 (CONF-671111-, pp 165-83)
ODELL, William D. Titer, affinity, and specificity of antisera to glycopolypeptides, 24:34005
ODEN, D. R. Comparison of calculated and measured values of rho^{28} and delta$_{25}^{28}$ for 26 lattices of UO$_2$ rods in a light water moderator, 25:48297 (BNWL-1589)
Critical parameters for 0 to 7 percent PuO$_2$—U(Nat)O$_2$ rods in water, 24:7198
PCTR measurement of k/sub infinity/ for tubular fuel element with integral target in water lattice, 25:1966 (BNWL-1501)
ODEN, J. T. Some generalizations of the incremental stiffness relations for finite deformations of compressible and incompressible finite elements, 25:44493
ODEN, L. L. Effect of microstructure on superconductivity in the columbium—hafnium system, 23:25238 (BM-RI-7258)
Niobium alloy development with B, Hf, and W, 24:29934 (BM-RI-7388)
Niobium alloy development with B, Hf, and W, 25:27227
Phase relations in the niobium—gallium system, 22:8768
ODEN, Laurance L. Columbium and tantalum alloy development, 23:8127 (BM-RI-7211)
ODEN, Svante Occurrence of ^{14}C and tritium throughout Scandinavia, 21:179
ODENOV, S. V. Attenuation of current in a superconducting ring under the influence of a low-frequency magnetic field, 22:31750
ODENWALD, R. Collisional disalignment of excited neon atoms, 22:15340
ODER, R. Temperature dependence of the 1555 cm^{-1} infrared absorption band in liquid D$_2$O, 25:18401
ODERA, M. Design and performance of a focusing magnetic channel for a variable energy multiparticle cyclotron, 23:3886
Reactions ^{27}Al(^{3}He,^{3}He)^{27}Al and ^{27}Al(^{3}He,α)^{26}Al, 22:27017
ODERA, Masatoshi Elastic scattering of carbon and nitrogen ions, 25:28274
Measurements of the resonant frequency and Q-value of the model cavity resonator of I.P.C.R. 1.6M cyclotron, 21:15450
Radiofrequency system of IPCR 1.6m cyclotron. II, 22:32419
ODETTE, G. R. Energy dependence of fast-neutron radiation hardening in iron, 25:40083
Radiation damage in thermonuclear reactors, 22:34583 (TID-24491, pp 141-50)
ODETTE, Robert Controlled removal of spheres from a geometrically ordered packed bed by surface fluidization, 23:26402 (BNL-12625)
ODGERS, G. J. Possible galactic origin for quasi-stellar sources, 21:2001
Spectrographic study of β Cephei star τ Eridani, 25:32893
ODGERS, M. Oxidation of iron at 950°C in oxygen/water vapor mixtures, 23:22476
ODIAN, A. Multibody photoproduction between 2 and 16 GeV, 24:28473
Photoproduction of vector mesons with 16 GeV bremsstrahlung beam, 23:21038
Rho production from hydrogen by 16 GeV bremsstrahlung, 22:48212
Streamer chamber development, 21:39190 (SLAC-74)
Streamer chamber developments, 21:14438 (SLAC-PUB-252)
ODIAN, Allen C. Pulse-shaping transmission-line transformer for a double-gap streamer chamber, 23:29224
ODIAN, G. Effect of x radiation on mobility of silver iodide sols, 21:40905
ODIAN, George Diffusional effects in radiation-induced graft polymerization, 23:47562
Monomer reactivity ratios in graft copolymerization, 25:29106

Radiation effects in polypropylene and ethylene—propylene copolymers, 23:4663
ODIE, M. D. Electrical resistivity of alpha uranium at low temperatures, 23:16888
Metallographic and x-ray studies of alpha plutonium, 21:9188 (RFP-658, pp 185-94)
ODIER, P. Study of atomic point defects in oxides by means of thermal emission of electrons, 25:45607
ODIER, Philippe Use of thermionic emission in studying point defects at high temperatures: case of yttrium oxide, 25:45604
ODIEVRE, M. Evaluation of the irradiation of bone marrow resulting from milk contamination by ^{90}Sr after continuous or uneven deposition on pastures, 25:10932 (CEA-CONF-1558)
ODIEVRE, Monique Assessment of bone marrow internal exposure to ^{90}Sr as a function of age, 24:21156 (CEA-R-3952)
ODIKADZE, G. L. Distribution of elements in the El'dzhurta intrusive massif, 23:49937
ODINTSOV, D. D. Dependence of sputtering along closest-packed directions on angle of incidence of the ions, 25:24843
Dependence of the ion—electron emission coefficient on the angle of incidence, 21:11456
Effect of thermal lattice oscillations on the anisotropy of the sputtering coefficient and of the ion-electron emission coefficient of single crystals, 22:29196
Influence of thermal oscillations on anisotropy of sputtering coefficients, 22:43942
Influence of thermal vibrations of the crystal lattice on the coefficient of secondary emission of electrons by ions, 21:16989
Secondary collisions in sputtering, 24:12887
Secondary ion—electron emission of Au and Cu during bombardment by Ar ions, 25:49700
ODINTSOV, P. Submicroscopic structure of spruce tracheids formed under the influence of gamma radiation, 22:10737
ODINTSOV, P. N. Effects of γ rays on resin secretion in pines, 21:28677
Physiological peculiarities of live pinewood cells after irradiation of cambium, 24:12333
ODINTSOV, V. N. Calculation and model investigation of stressed state of bubble chamber body, 25:23848 (IFVE-SPK-70-9)
ODINTSOV, V. V. Physical properties of uranium dodecaboride, 25:55622
Ytterbium dodecaboride, 25:49528
ODINTSOVA, E. G. Decontamination and concentration of radioactive effluents and the decontamination of low-activity waste waters containing detergents, 21:265
ODINTSOVA, G. A. Determination of electron density in plasma jets, 24:1385
Measurement of the velocity profile of the homopolar plasma component, 22:7314
Temperature of excitation and gas temperature in rarefied ultrasonic flows, 22:20003
ODINTSOVA, I. N. Geophysical activity of solar flares, 22:38699
Geophysical activity of solar flares as function of brightness emission of metals, 25:2859
Traveling disturbances in the ionosphere, 23:3359
ODISHARIYA, G. A. Bond energy determination in two-dimensional crystals of Zr adsorbed on W and Nb, 23:10225
Initial phases in condensation of Zr on W, 25:58229
Surface self-diffusion of niobium, 23:3581
ODISHAW, Hugh Handbook of physics, 22:9116
ODLAND, L. T. Bioassay experiences associated with widespread dispersion of Pu, 23:24639
Proton induced radioactivity in primates, 21:43342
ODLAND, Lawrence T. Industrial medical experience associated with the palomares nuclear incident, 22:43318
Laboratory program for health physics support of aerospace operations, 22:38294
Radiation time-intensity and pathophysiologic correlations in whole and partial-body x-irradiated beagles, 22:33907 (UR-49-913)
Response of selected serum enzymes following exposure to varying doses of fission-spectrum neutron and 250 kVp x-ray irradiation, 22:21427
ODLOZINSKI, G. PRESCON: a digital computer program for containment pressure transients, 25:57087 (CONF-710302-(Vol.1), pp 436-51)
ODOM, C. H. Study of the reprocessing of spent Fast Test Reactor fuel in the Nuclear Fuel Services Plant, 25:46541 (ORNL-TM-2906)
ODOM, Jerome David Studies of boranes. XXIX. Isotope studies of hexaborane(10), 24:44009
O'DONNEL, A. J. Uranium enrichment problems, 23:50070
O'DONNELL, A. J. Nuclear power, 24:29031
O'DONNELL, C. M. Magnetic susceptibility of monoclinic Eu_2O_3, 25:1324
O'DONNELL, Charles Michael Studies in molecular spectroscopy, 21:19590 (TID-23756)
O'DONNELL, F. H. Accurate Q-values for the light masses, 23:21249
Atomic masses from accurate measurements of Q values, 21:35411
O'DONNELL, F. R. Electromagnetic separation and chemical refinement of tungsten isotopes, 23:40946 (ORNL-4405)
Preparation of self-supporting, metallic foils of isotopic chromium, 25:59633 (CONF-711002-, pp 39-46)
Tritium-containing targets for high-yield neutron generators, 25:59670 (CONF-711002-, pp 166-80)
Vacuum deposition technique for films of ^{210}Po on Al and Ti, 24:19164 (ORNL-4510)
O'DONNELL, H. A. Progress on Polly at Glasgow, 25:13255 (CERN-70-21(Vol.1), pp 357-70)
O'DONNELL, J. H. Constant temperature bath for irradiations at low temperatures in pond facilities, 22:27795
Principles of radiation chemistry, 24:22702
Radiation induced polymerization of methacrylic acid. VI, 23:21760
Radiation stability of an aromatic polysulfone, 24:22696
Radiation-induced solid-state polymerization of derivatives of methacrylic acid. IV, 22:27772
Radiation-induced solid-state polymerization, 22:48887
Radiation-induced solid-state polymerization of some N-alkyl maleimides, 23:26303
Radiation-induced solid-state polymerization of derivatives of methacrylic acid. II, 23:45321
Radiation-induced solid-state polymerization of derivatives of methacrylic acid. III, 23:45322
Radiation-induced solid-state polymerization in some methacrylates, 25:18445
Radiation-induced, solid-state polymerization of derivatives of methacrylic acid. I, 22:27766
Structural changes of barium methacrylate dihydrate under x-radiation, 22:12371
O'DONNELL, P. J. Anti-inflammatory effect of benzydamine, 25:26806
Dimension of operators in broken scale invariance, 25:20037
Electromagnetic-mass sum rules in SU_3, 21:27409
Form factors and photoproduction in rho + rho' model, 24:8598
Gauge theory of strong interactions, 24:3619
Nonleptonic decays of hyperons, 21:33666
Partially conserved currents and the tadpole model in nonleptonic decays, 24:15529
Prediction of isovector nucleon form factor F_1/sup V/(t), 22:34913
Scale invariance and current-algebra sigma terms, 24:47449
Spectral function sum rules in SU(3) x SU(3), 22:9524
Vector dominance and ω—phi mixing, 23:15104
Vector-meson decays and the algebra of fields, 23:23464
Weak neutral currents in astrophysics, 24:40330
O'DONNELL, P. M. Beryllium fluoride coating as a corrosion retardant for beryllium, 22:624
O'DONNELL, Patricia M. Kinetics of the fluorination of beryllium, 21:30397 (NASA-TN-D-3992)
Kinetics of the fluorination of beryllium, 22:4074
O'DONNELL, R. Backward rho production in π^-p reactions at 2.3 GeV/c, 24:35612
Pattern recognition of four prong events, 23:33517 (ANL-7515, pp 412-20)
O'DONNELL, Raymond Thomas Polarographic behavior of Dy(III) and Sm(III) in DMSO, 22:47084
O'DONNELL, Robert Michael Electron impact elastic and ionization cross sections for atomic nitrogen, 24:32658
Multipion production in π^-rho interactions at 2.3 GeV/c, 25:14571
O'DONNELL, T. A. Analysis and identification of uranium fluorides, 21:10288
Polarographic microdetermination of fluoride, 22:40010
Reactivity of transition metal fluorides. V, 22:47145
Reactivity of transition metal fluorides. VII, 23:47427
O'DONNELL, W. J. Analysis of transient clad strains in cylindrical fuel elements, 24:20569 (WAPD-TM-652)
Fatigue notch sensitivity of Zircaloy weld metal, 21:14826 (WAPD-T-1699)
Fracture of cylindrical fuel rod cladding due to plastic instability, 21:28762 (WAPD-TM-651)
Fracture of tubular fuel cladding due to plastic instability, 21:38762
Low-cycle fatigue properties of irradiated hafnium, 21:36840
O'DONOVAN, Gerard A. Effect of gamma radiation on Serratia marcescens. Studies on the radiosensitivity of prodigiosin production, 24:48758
O'DONOVAN, P. J. Cut-corrected exchange degeneracy and the KN-anti KN CEX cross-section inequality, 25:45762
Polarization in $0^-1/2^+ \rightarrow 0^-1/2^+$ charge and hypercharge exchange reactions at intermediate energies, 25:59503
O'DONOVAN, Patrick J. Asymptotic behavior of electromagnetic form factors, 22:15729
Estimates of Regge-cut effects, 22:32137
Regge cuts and iterative procedures in diffraction scattering, 24:8672
ODOR, D. L. Kodak type III film for photodosimetry, 25:4383
ODOR, Louise Influence of structure of polypropylene fibers on rate of grafting and structural changes, 22:40145
ODORICO, R. Alternative to finite-energy sum rules, 24:24447
Analysis of KN total cross sections with continuous moment sum rules, 22:48321
Determination of pion and conspirator residues and trajectories in π^+ photoproduction, 22:37100 (IC-68/40)
Determination of pion and conspirator residues and trajectories in π^+ photoproduction from continuous moment sum rules, 22:44355
Determination of the scattering amplitude from the knowledge of its modulus above threshold, 22:20242
Dips and resonances in pion—nucleon scattering, 24:10771
Evidence for B—rho' conspiracy from photoproduction sum rules, 23:3682
Evidence for Veneziano dips in K^-p scattering, 25:14724
Indication for a nonflat Pomeranchuk trajectory, 23:51944
Indications of rho-like singularities in complex J-plane, 22:9596
New evidence for nonfactorization of pion exchange from sigma production, 24:6727
New features in high-energy πN dip structure, 23:32752
Nonvanishing asymptotic total π-N cross-sections from continuous moment sum rules, 22:34998
Novel interpretation of hole structure in anti pn $\rightarrow \pi^-\pi^-\pi^+$, 25:9770
Observed resonances and dips in pp and anti pp scatterings, 24:10784
Omega-like Regge pole exchange in K—N scattering, 24:52086 (AD-705553)
Pion conspirator, 22:50372
Quantitative high-energy πp scattering predictions from low-energy phase shifts, 23:3750
Regge cuts in backward pion—nucleon scattering, 23:36935
Regge singularities in forward πN charge exchange, 22:29708
Regge-pole exchange in KN scattering, 23:49167
Results from continuous moment sum rules, 24:18187 (CONF-690330-, pp 202-16)
Simple phenomenological regularity of near-forward zeros, 24:6728
Simple s helicity structure at the nucleon—nucleon vertex of the Pomeron and meson exchanges, 24:42986
Σ^0/Λ^0 ratio in K^+ photoproduction and SU(3), 25:25370
Use of helicity amplitudes in superconvergent sum rules, 22:3423
ODRICH, H. Distribution of charge of accelerated ion bulks in the Rossendorf cyclotron, 23:44788
ODRU, P. Branching ratios and relative intensities of gamma rays from ^{105}Rh and ^{106}Rh, 24:1844
ODRU, R. Opto-electronic link for transmitting temporal information, 25:29392 (CEA-N-1431)
ODUM, E. P. Field experiments on the flux of radionuclides through a salt-marsh ecosystem. progress report, 22:6773 (ORO-3238-3)
Phosphorus and zinc cycles and productivity of a salt marsh, 23:17978 (CONF-670503-, pp 412-19)
Prog. rpt. on field experiments on flux of radionuclides through a salt marsh ecosystem, 9/69, 23:48005 (ORO-3238-7)
ODUM, Eugene P. Bioelimination of tracer ^{65}Zn in relation to metabolic rates in mice, 23:17908 (CONF-670503-, pp 725-30)
Effect of coprophagy on retention and bioelimination of radionuclides, 23:17907 (CONF-670503-, pp 721-4)
Radionuclide tracer measurement of food web diversity in nature, 23:17984 (CONF-670503-, pp 709-10)
Transfer and bioelimination of tracer ^{65}Zn during predation by spiders on labeled flies, 23:17906 (CONF-670503-, pp 715-20)
ODUM, H. T. Amounts of fallout radionuclides in tropical forests, 25:21549 (TID-24270, pp H.181-6)
Effect of gamma radiation on chlorophyll A in bromeliads, 25:21942 (TID-24270, pp D.295-8)
Effect of gamma radiation on leaching of ^{137}Cs and ^{54}Mn from tropical forest foliage and litter, 25:21638 (TID-24270, pp H.187-9)
Effects of gamma radiation on the forest at El Verde, 25:21928 (TID-24270, pp D.3-75)
Fallout radioactivity and epiphytes, 25:21548 (TID-24270, pp H.167-76)
Holes in leaves and the grazing control mechanism, 25:21820 (TID-24270, pp I.69-80)
Metabolism and evapotranspiration of some rain forest plants and soil, 25:21953 (TID-24270, pp I.103-64)
ODUM, Howard T. AEC rain forest program, 25:21926 (TID-24270, pp C.3-22)
Bioenvironmental and radiological-safety feasibility studies Atlantic—Pacific interoceanic canal, consideration of tritium metabolism, 21:39321 (BMI-171-002)
Cesium source at El Verde, 25:21247 (TID-24270, pp C.23-36)
Forest chlorophyll and radiation, 25:21583 (TID-24270, pp I.21-33)
Metabolism of forest-floor microcosms, 25:21973 (TID-24270, pp I.35-56)
Microscopic order in the forest, 25:21972 (TID-24270, pp G.3-14)
Prog. rpt. on energy circuit language for ecological and social systems, 11/69, 25:2045 (TID-25560)
Prog. rpt. on systems of man and nature, annual, 5/70, 25:2046 (TID-25561)
Summary: an emerging view of the ecological system at El Verde, 25:21639 (TID-24270, pp I.191-289)
Tropical rain forest, 25:21633 (TID-24270)
ODUM, Howard Thomas Biogeochemistry of Sr: ecological integration of elements, 22:12827
ODWAZNY, R. S. Use of a high speed data acquisition system in measuring large volume magnets at the Zero Gradient Synchrotron, 22:10654
O'DWYER, Michael F. Anomalous fluorescence lifetimes of organic molecules, 24:16356 (COO-2039-2)
Fluorescence lifetimes of molecules that undergo large configurational changes upon excitation, 24:16359 (COO-2039-5)
O'DWYER, T. F. Intermediate coupling approach in the unified nuclear model. I, 21:10055
O'DWYER, Terry F. Theoretical investigations of several odd mass nuclei by the intermediate coupling approach in the unified nuclear model, 22:11977
ODYNETS, L. L. Oxidation of tantalum in the oxygen plasma of a high-frequency discharge, 25:2632
Tantalum oxidation in the high-frequency discharge oxygen plasma, 25:6834
OE, Tsunehiko Foreshortening effect on the apparent area of solar flare, 22:21803
OEBERG, B. Development and construction of Gerdien condenser rocket probes, 21:24255
OEBERG, P. Aa. Spectrometry for determination of isotopic mixtures, 25:4031
OEBU, M. Gamma-ray discrimination in proton-recoil spectrometer, 25:10857
OECHSLER, Ronald Technique for determining moderated-neutron instrument characteristics, 24:19199 (HASL-222)
OECHSNER, H. Energy distribution in sputtering processes, 24:19719
Energy distributions in sputtering processes by ion bombardment, 24:51385
Secondary electron emission and sputtering by ion bombardment of cylindrical targets in plasma, 24:17627

OED, A. Resonances in inelastic electron scattering by atomic hydrogen, 25:33081
OEDBERG, L. NMR measurements of field gradients at Br nuclei surrounding a substitutional Cl ion in a KBr crystal, 22:20084
OEFF, K. Bibliography of radionuclides in gastroenterology, No. 05, 7/66, 21:3415 (AED-C-10-05)
  Determination of thyroidal clearance during an automatically controlled and constant ^{131}I blood level, 25:11173
OEFF, Karl Conference on laboratory methods of nuclear medicine, Berlin, 8/28—9/1/66, 22:49377 (CONF-660839)
  Nuclear medical laboratory methods. I, 22:31159
  Techniques and results of multinuclide scintigraphy ("multi-isotope scanning"), 23:18046 (CONF-670958-, pp 76-87)
  Use of radionuclides in the diagnosis of tumors, 23:43810
OEGELMAN, H. Extensive air shower arrays as detectors of prompt gamma rays from supernovae explosions, 25:11553
  Introduction to experimental techniques of high-energy astrophysics, 25:22214 (N-71-11415)
  Search for ultra-short light pulses from pulsars, 23:39165
OEGELMAN, H. B. Gamma-ray telescope utilizing large area wire spark chambers, 23:26515 (N-69-17998)
  Results of gamma-ray balloon astronomy, 24:1178
OEGELMAN, Hakki Discrete source interpretation of recent high-energy cosmic gamma-ray measurements, 23:27256 (N-69-18175)
OEHLER, H. Angular distribution of protons from reaction ^{12}C(^{3}He,p)^{14}N, 23:21262 (ZFK-130, pp 140-2)
  Annular polarimeter for measurements of nucleon polarization, 24:11817
  Polarization of protons from reaction ^{12}C(^{3}He,p$_0$)^{14}N, 23:21261 (ZFK-130, pp 137-9)
  Proton angular distributions from reaction ^{12}C(^{3}H,p)^{14}N, 24:13279 (JINR-P15-4801)
  Proton polarization in ^{12}C(^{3}He,p)^{14}N(g.s.) reaction at 2.4 and 3.6 MeV, 25:53640
OEHLERT, W. Kinetics of normal and irradiated transitional epithelium in rat, 24:34667
OEHLERT, Wolfgang Histopathological studies of mice after whole-body irradiation, 22:47583
  Histopathology of radiation injury, 24:34689
  Radiation effects on regeneration of colon mucosa in rats, 24:873
OEHLIG, Jean-Jacques Direct determination of pressures of oxygen in equilibrium with oxides, 23:24995
OEHLKERS, Friedrich Radiation experiments with Streptocarpus wendlandii, 22:40647
OEHLSCHLAEGEL, G. Detection of heavy metals in the skin in argyrosis by means of neutron activation analysis, 22:50906
OEHMAN, Y. Observations of sunspots using shearing interference of the diffraction image, 22:23958
  Spectrographic observations of dark surges and mottles at the solar limb, 22:23948
OEHMAN, Yngve Conference on mass motions in solar flares and related phenomena, Anacapri, Italy, 6/68, 25:2862
  Hα filament observed against chromosphere at limb, 22:29154
  Multi lens spectroheliograph for nonstabilized rockets, 22:49151
  Observations of rotational motion in prominences, 24:3110
  Observations related to active regions and solar flares, 23:36392
  Some flare-sensitive high photospheric and low chromospheric lines, 24:19649
OEHMANN, Manfred Safety switching system of nuclear reactors, 23:15747
OEHME, Friedrich Direct potentiometric concentration determinations with ion-sensitive electrodes, 24:41196
OEHME, H. 300 MW thorium high-temperature power plant (THTR), 25:31539
  Large-scale nuclear helium turbine plants, 24:50172 (CONF-700401-, pp 231-50)
  Measurement of coherent scattering of neutrons by molten Na, Cs, and Bi at various temperatures, 21:2586 (NP-tr-1417)
  Safety report on cold neutron source at FR2, project FR2/16, 23:7402 (KFK-818)
  Status of the THTR 300 MWe prototype power station, 24:50071 (CONF-700401-, pp 161-79)
OEHME, Helmut High-temperature Th reactor: advanced concepts of safety, 25:1914
  Present state and developments of HTGC reactors, 24:18605
OEHME, R. Argand diagrams and resonances, 22:39399 (IC-68/51)
  Argand diagrams and resonances, 22:50472
  Complex Pomeranchuk trajectories, 24:28620
  Mathematical and phenomenological duality, 24:15679
  Mathematical and phenomenological duality, 24:49619
  Positivity conditions for Veneziano formulae, 23:18892
  Problem of dips in Regge pole amplitudes, 23:5690
  Regge trajectories with left-hand branch lines, 24:3790
  Regge-behaved meromorphic amplitudes and duality, 23:39702
  Saturation of U_3 x U_3 algebras at infinite momentum and finite momentum transfer, 21:2500
  Superconvergent bootstrap model, 21:42282
OEHME, Reinhard Beta decay of hyperons, 25:30815
  Broken symmetries, current algebras, and weak interactions, 22:5621
  Complex angular momentum, 25:41077
  Complex negative signature trajectories and Pomeranchuk theorem, 25:31012 (COO-264-571)
  Complex negative-signature trajectories and the Pomeranchuk theorem, 25:43715
  Complex Pomeranchuk trajectories, 24:22014 (COO-264-542)
  Complex Regge trajectories, 25:41108 (COO-264-577)
  Crossing Regge trajectories and pole-cut relationships, 24:37930 (COO-264-545)
  Crossing Regge trajectories and pole-cut relationships, 24:45607
  Duality and Regge theory, 25:41120
  Fixed poles in the complex angular-momentum plane, 21:29511
  Forward dispersion relations and microcausality, 23:39722 (COO-264-498)
  Forward dispersion relations and microcausality, 24:45612
  High-energy scattering of hadrons, 25:47822 (COO-264-579)
  Nonforward superconvergence relations, higher symmetries, and mass spectra, 22:11708
  Remarks on the beta decay of hyperons, 24:49557 (COO-264-548)
  Superconvergence relations for mesons and higher symmetries, 21:37786
  Superconvergent dispersion relations and vector-meson—baryon couplings, 21:19001
  Superconvergent dispersion relations, 22:29681
OEHMICHEN, G. Space-sensitive parallel-wire counter system, 23:41011
OEHM R. Low-energy scattering and high-energy limits, 22:34987
OEHRN, Y. Hall's variational principle for excited states, 25:49757
OEHRN, Yngve Analysis of atomic correlation energies, 24:37266
OEI, L. Ong Injuries to lower abdominal organs as a complication of radiotherapy, 24:32251
  Irradiation effect of bone metastasis of foot, 21:36698
OEI, T. D. Calculations on the time variations of space and energy dependence of the neutron flux in a subcritical fast reactor, 25:1935 (RCN-122, pp 121-45)
  Pulsed neutron measurement technique, 23:11346 (RCN-98, pp 91-6)
  Reactivity worth of water height in NORA H_2O core No. 1, 22:50809 (TID-24646)
  Reflector effects in pulsed neutron experiments, 23:11302 (RCN-98, pp 579-600)
OEIEN, A. Comparative study on Al determination in ammonium acetate soil extracts by spectrophotometry, activation analysis, and atomic absorption, 25:29020
OEKROES, I. Postirradiation changes in rat thymus, 24:4691
OEKROES, Istvan Combined histochemical procedure to distinguish between mesenchymal and epithelial reticular cells in the rat thymus under the light microscope, 25:26654
OEKSUEZ, Iskender Theory of atomic structure including electron correlation. II, 23:46290
  Theory of atomic structure including electron correlation. I, 23:46289
  Theory of atomic structure including electron correlation, 25:11737
OEKTEM, F. Are the neutrinos an aspect of Riemannian geometry, 25:12280
  Extension of electromagnetic and gravitational tensors and of the Bel—Robinson tensor, 23:3819
OEKVIST, G. Effect of zirconium carbide on $\beta \rightharpoonup \alpha$ transformation structure in Zircaloy, 24:42157
OEL, H. J. Crystal growth in ceramic powders, 23:32064
  Residual-activity method for determining self-diffusion coefficients in solids, 25:8172 (SC-T-70-4049)
OEL, Heribert J. Sintering of pure thorium oxide, 21:39689
OELCER, N. Y. Buckling of thin plates by continuously distributed dislocations, 24:18821 (COO-2034-3)
  Unsteady heat flow problem in a finite composite hollow circular cylinder, 22:28004
OELERT, W. Transmission mounted silicon surface barrier detectors, 25:23833 (BMBW-FBK-70-27)
OELFKE, William C. Millimeter-wave spectrum of hydrogen peroxide, 24:9289
OELGAARD, P. L. Comparative experimental and theoretical investigations of DM neutron moisture probe, 21:32496
  Description of MOPS-II-C program, 21:22198 (RISO-M-481)
  Description of SOFIE-III program, 22:30874 (RISO-M-637)
  Description of URU-program, 22:30346 (RISO-M-684)
  Investigations of the neutron slowing-down method for measurement of the water content of various media, 22:25686
  On the sensitivity of subsurface neutron moisture gauges to variations in bulk density, 22:28195
  Problems connected with the use of subsurface neutron moisture gauges and their solution, 24:9699 (RISO-M-980)
  Theoretical models for neutron moisture gauge, 23:35539
OELSCHIG, W. Gas penetration of special synthetic coal, 22:41104
OELSCHLAEGEL, D. Decomposition of a highly supersaturated Al—Zr solid solution, 23:48471
OELSCHLAEGEL, Dietrich Precipitation in an Al alloy containing Zr, 24:2960
OELSNER, R. M. Fluid power applied to hazardous location test equipment, 23:503 (SC-DC-66-2428)
OELSSNER, W. Image-producing systems and diagnostic methods in radiology, 24:36777
  X-ray images, standardized evaluation, and preparation for computerized diagnosis, 24:36773
OELZE, Russell E. Radioisotope scanning of tumors, 21:43479
OEMBOELY, Cs. Channel-proportion method for correction of quenching effect during activity measurement of tritium-labelled samples by liquid-scintillation, 23:43527
  Isolated internal standard for determining efficiency of continuous measuring method of samples labeled with ^{14}C, 23:43269
  Radiometric determination of 8-hydroxyquinoline and its derivatives with $CaCl_2$ ^{45}Ca, 24:31245
  Radiometric determination of oxalate, carbonate, and iodate ions, 23:37905
  Titrating apparatus for detection of soft β-emitting isotopes, 24:31243
OEN, O. S. Displacement cross sections by fast electrons, 22:37011
  Energy dependence of channelled ion energy loss spectra, 24:42520
OENNESJOE, Karl Erik Investigation of the Ranstad Uranium Processing Plant, 22:25487
OERDOEGH, M. Activation analysis of Co and Ni in U, 21:1264
  Analysis of contaminants in uranium compounds by post-irradiation paper chromatography, 21:8214
  Determination of impurities in thorium and zirconium compounds by neutron activation analysis, 25:26192
  Determination of Na and K by neutron activation analysis, 22:21406 (KFKI-6/1967)
  Determination of Si in lymph nodes by neutron activation and spectrophotometry, 24:38783
  Neutron activation analysis of contaminants in chemicals applied in telecommunication techniques, 24:20729
  Neutron activation analysis of impurities in Th and Zr, 25:54518
  Removal of inorganic ions from solutions with ion-exchange cellulose loose fibers: checking of the purified substances by neutron activation analysis, 25:31856
  Role of research reactor in science technology and education in Hungary, 25:54176 (A/CONF.49/P-326)
OERDOEGH, Maria Activation analysis for determination of impurities in telecommunication materials, 23:40606
  Determination of Si, Al, and P in biological samples, by neutron activation and spectrophotometry, 23:17366
  New aspects of chemical separation in neutron activation analysis, 23:19679
OERDOEGH, Mary Neutron activation analysis of sodium and potassium of inner ear, 23:4565
OERGEEVREN, Y. Parameters for first and second neutron resonances in ^{149}Sm, 22:46762 (CNAEM-52)
OERGEEVREN, Yilmaz Straightforward performance of resolution correction, 22:41917 (CNAEM-51)
OERIU, S. Protective effect of Folcysteine against acute radiation sickness, 23:50614
OERMENYI, I. Relationship between geomagnetic activity and chromospheric Hα-flares, 22:48027
OERTEL, Everett Effect of post-treatment temperature upon worker honey bees exposed to varying doses of ^{60}Co gamma radiation, 25:16287
OERTEL, G. K. Laboratory observation of a visible emission line of highly ionized Ar at 4412 A, 22:49946
  Preheating of plasma in a megajoule theta-pinch experiment, 23:16767 (N-68-33372)
  Spectroscopic temperature measurements in plasmas, 21:7189 (NASA-TN-D-3737)
  Stark broadening of isolated ion lines in a plasma, 21:29214
  Theory of Stark broadening of spectral lines in plasma, 23:3451 (N-68-27559)
OERTEL, Goetz Kuno Heinrich Spectroscopic measurements on magnetically compressed high-temperature plasmas, 24:10515
OERTEL, K. B. Influence of hyperfine structure on solar cobalt abundance, 25:22317
OERTZEN, W. v. Elastic scattering of ^{14}N on ^{9}Be at 25 Mev and ^{16}O on ^{11}B at 30 Mev, 21:1043
OESCHGER, H. ^{37}Ar, ^{39}Ar, and ^{81}Kr in the atmosphere and tracer studies based on these isotopes, 24:31492
  Aluminium-26 in deep-sea sediments, 22:6459
  Aluminum-26 in Pacific sediment, 21:14319
  Detection of ^{39}Ar in atmospheric Ar, 23:7632
  High-efficient 4π-proportional low level counter for x-ray sources, 23:11773
  Low-level counting and a search for cosmic-ray-produced ^{39}Ar, 22:6577
  Spallation formula deduced from cascade and evaporation theories, 21:35016
  Use of natural radioactivities to estimate large-scale precipitation scavenging, 25:26390 (CONF-700601-, pp 465-74)
  Variations in the production of cosmogenic radionuclides, 22:6492
OESCHLER, H. Investigation of the reactions ^{43}Ca(^{3}He,α)^{42}Ca and ^{41}K(d,p)^{42}K, 23:21318
OESER, H. Activation analysis as a method of investigation in dentistry, 22:25254
OESER, Heinz Conference of the German Roentgen Society (47th), Berlin, 5/66, 21:45743
OESTBERG, G. Crack propagation in hydrided Zircaloy-2, 23:20509
  Habit planes of zirconium hydride in Zircaloy-2, 23:8235
  Orientation of Zr hydride on grain boundaries in Zircaloy-2, 21:24790
  Oxidation resistance of some stainless steels and nickel-based alloys in high-temperature water and steam, 23:24795
  Post-irradiation ductility of 15 percent Cr, 15 percent Ni, Ti, B steel for cladding, 25:47146
  Post-irradiation ductility of a 15 percent Cr, 15 percent Ni, Ti, B steel for cladding, 25:16495
  Relationship between texture and hydride orientation in zirconium, 25:40056
  Ring test for determination of transverse ductility of fuel element canning, 25:32680 (AE-412)
  Stainless steel and nickel base alloys for superheater element cladding, 22:36484
OESTBERG, K. Phase locking of coupled modes in nonlinearly unstable plasmas, 25:25192
OESTBERG, Kjell Study of nonlinear instabilities, 25:11913 (UUIP-722)
OESTER, Arne Application of radioisotopes in urological diagnosis, 23:38637
  Radioisotopes in the measurement of absorption of washout fluid during transurethral prostate resection, 23:38391

- OESTER, Flemming Drift waves in a partly ionized plasma, 22:36881 (RISO-171)
  - Possibility of excitation of the Kelvin—Helmholtz instability in rotating plasmas, 21:9627
  - Stability of a rotating plasma, 23:23168 (RISO-187)
  - Studies of a rotating-plasma device, 23:34412 (RISO-191)
- OESTER, Y. T. Effect of prednisolone on the phytohemagglutinin-induced radioresistance and blastoid transformation of human lymphocytes in vitro, 21:22309
  - Neutron-activation studies of trace elements in human fingernails, 23:50295
  - Nondialyzable manganese and copper in human bile, 21:35859
- OESTERDAHL, B. Investigation concerning the radiolytic evolution of gases in the handling of materials containing plutonium, 25:15660 (AEC-tr-7217)
  - Radiolytic gas release during storage of plutonium containing materials, 24:22669 (FOA-4-4419)
- OESTERGAARD, P. Chemical and Moessbauer study of thermal neutron capture in magnesium stannate, 23:11553
  - Counter for resonant scattering on ^{57}Fe, 24:11825
  - Counter for resonant scattering on ^{57}Fe, 24:11834
  - Moessbauer effect studies on binary iron—tin alloys, 22:46264
- OESTERLE, K. M. Conference on protection against corrosion by metal finishing, 11/66, 22:43532
- OESTERLUND, K. ^{22}Ne(p,γ)^{23}Na reaction, 25:53692
  - Reaction ^{27}Al(p,γ)^{28}Si, 23:19239
- OESTERLUNDH, C. G. Chemical analysis, 21:19582
  - Industrial irradiation plants, 22:48987
- OESTERLUNDH, Carl Gustaf Nuclear chemistry research within Aktiebolaget Atomenergi, 23:47480
- OESTERREICHER, H. Magnetic characteristics of $ErCo_{6.3}Al_{1.7}$ and $TbCo_{6.325}Al_{1.675}$, 25:47670
  - Magnetic properties of $GdAl_2$—$GdFe_2$, $GdAl_2$—$GdCo_2$, and $ErCo_2$—$ErAl_2$ systems, 21:31049
  - Neutron-diffraction study of the pseudobinary system $ErCo_2$—$ErAl_2$, 24:30402
  - Structural and magnetic characteristics of the pseudobinary system $PrMn_2$—$ErMn_2$, 25:13707
  - Studies of pseudo-binary laves phase systems containing lanthanides. II, 21:45958
- OESTERREICHER, Hans Structural and high temperature magnetic studies of systems $PrMn_2$—$GdMn_2$ and $PrMn_2$—$TbMn_2$, 25:42894
- OESTGAARD, E. Liquid ^{3}He. I, 22:31756
  - Liquid ^{3}He. II, 22:39022
  - Liquid ^{4}He. I, 25:36016
  - Liquid ^{4}He. II, 25:43277
  - Neutron matter: binding energy and magnetic susceptibility, 25:3746
  - Neutron star matter superfluidity and superconductivity, 25:24745
  - Properties of dilute solutions of ^{3}He in liquid ^{4}He, 24:26112
  - Properties of liquid ^{3}He, 24:15231
  - Treatment of the hard core in the two-nucleon potential in nuclear-matter calculations, 22:27249
- OESTGAAR E. Solution of the Bethe—Goldstone equation, 23:15522
- OESTKLINT, O. Fermi surface—Brillouin zone effects in fcc Bi—Tl alloys, 24:35551
- OESTLING, S. G. Spectrometry for determination of isotopic mixtures. 25:4031
- OESTLUND, H. Goete Deuterium in Hurricane Faith 1966, 24:25135
  - Hurricane tritium III: evaporation of sea water, 24:25136
  - Hurricane tritium. I, 21:36157
  - Modification of atmospheric tritium and water vapor by Lake Tahoe, 25:41938
  - Prog. rpt. on tritiated hydrogen and its compounds in the environment, 3/71, 25:26393 (ORO-3944)
- OESTLUND, K. Thin-layer chromatographic separation of organomercury compounds, 25:26145 (UCRL-Trans-10515)
- OESTMAN, B. Rearrangement—fragmentation in aromatic nitration, 25:41818
- OESTMAN, Bo Studies of the recovery part of cosmic-ray storms, 22:34305
- OESTMAN, Bo. Cosmic-ray records and intensity variations, 23:27405
  - Cosmic-ray records and intensity variations during cosmic-ray storms, 23:36545
- OESTMAN, Boerje Reactivity of alpha and beta positions in thiophenes, 23:21698
- OESTMANN, M. J. Evaluation of the hazard resulting from the inhalation of neutron-activated concrete dust, 21:36587
  - Tritium sources and release to the environment, 25:5941
- OESTMANN, Mary Jane Estimate of the inhalation hazard from neutron-activated concrete dust, 24:41884
  - Radioisotope educational program at Argonne National Laboratory, 22:4358
- OESTREICH, M. D. Nuclear nondestructive coating evaluation, 22:23242
- OETTING, F. L. Average beta energy of ^{241}Pu by calorimetry, 22:27115
  - Recent calorimetric determinations of the specific powers and half-lives for certain long-lived alpha-emitting radionuclides, 22:30788
- OETTING, Franklin L. Analysis of americium by calorimetry, 21:21864 (RFP-895)
  - Analytical investigation of plutonium oxide, 22:30435 (RFP-1122)
  - Calorimetric determination of specific power and half-life of ^{241}Am, 22:1662
  - Chemical thermodynamic properties of plutonium compounds, 21:25831
  - Eight unit isothermal calorimeter for routine plutonium analyses, 24:7415 (RFP-1401)
  - Half-life of ^{239}Pu by calorimetry, 25:10779
  - Half-life of ^{239}Pu by calorimetry, 25:25723 (RFP-1469)
- OETTING, J. D. Beam-spill monitor for LAMPF, 25:50479
- OETTINGER, Leon Jr. Later results of ^{131}I treatment of hyperthyroidism, 24:12312
- OETTINGER, P. E. Plasma ionization enhancement by laser line radiation, 24:30350
- OETTINGER, Peter E. Measurements of Ar shock layer electron densities, 22:9291
  - Treatment of relaxation phenomenon in radiating argon plasma flows, 21:42092
  - Unified treatment of the relaxation phenomenon in radiating argon plasma flows behind incident and bad shock waves, 21:15128 (N-66-36073)
  - Volume ionization by means of laser radiation in a cesium plasma diode, 25:43181 (AD-715883)
- OETTL, Hans Shielding against radiation in a gas-cooled reactor, 21:25752
- OETZMANN, Werner Influence of thin air-equivalent layers on the pressure dependence of the mean ion dose rate, 22:38113
- OEVERAS, H. Use of computers at CERN, 23:29265
- OEVERBOE, Ingjald Exact calculation of pair production, 22:44790
  - Exact calculation of pair production, 23:5571
- OEVREEIDE, M. Advances in control and supervision of power reactor plants, 25:53893 (A/CONF.49/P-294)
  - Computer control of the Halden Boiling Heavy Water Reactor, 23:40346
- OEYE, H. A. Neodymium chloride—aluminum chloride vapor complexes, 23:24208
- OEYEN HOL, J. Fission product monitoring systems and fuel failures at HBWR, 22:22701 (HPR-93)
- OEZEMRE, Ahmed Yueksel Reactor kinetics according to P_3 approximation. I, 21:30271
- OEZER, A. M. ESR studies of intrinsic and impurity defects in silica and germania, 25:59174
- OEZER, Odelli Effect of anisotropic scattering on the propagation of neutrons in shields, 22:32441
- OEZER, U. Yuecelik Mixed ligand chelates of Y(III) in aqueous solution, 24:27063
- OEZISIK, M. N. Effects of transverse flow on fission product transport through graphite tubes, 25:6011
  - Several particular solutions of the one-speed transport equation, 24:29085
- OEZISIK, M. Necati Carbon loss from graphite cylinders exposed to steam for short times, 25:49499
  - Effects of condensation on transport of matter, 23:15666
  - Effects of natural convection on removal of fission products from steam-air mixtures, 23:37594
- OEZIZMIR, Ercuement Transmission and reflection of electromagnetic waves at boundary of a plasma, 23:16841
- O'FALLON, J. R. Measurement of π^-p elastic scattering at 180°, 22:11592
  - Neutron—nuclei total cross sections at 27 GeV/c, 22:44619
  - π^-p elastic scattering near 180° between 600 and 1280 MeV/c, 25:47746
- O'FALLON, John R. Neutron—proton and neutron—deuteron total cross sections from 14 to 27 GeV/c, 22:17861
  - Neutron—proton elastic scattering from 8 to 30 GeV/c, 24:10667
- O'FALLON, Nancy Marie McCumber Differential cross sections for the reaction ^{3}He(γ,p)^{2}H from 45 to 150 MeV, 21:33879
- O'FARRELL, Thomas P. Bibliography of environmental research, 25:24072 (BNWL-1549)
  - Effects of acute ionizing radiation in rodents, 21:28587 (BNWL-SA-1260)
  - Effects of acute radiation in captive and free-ranging pocket mice, Perognathus parvus, 25:37868 (BNWL-SA-3874)
  - Effects of radiation on incorporation of ^{131}IUDR by cotton rats, 23:22244
  - Incorporation of a thymidine analog by indigenous rodents, 21:1707 (ORNL-3907)
- OFENGENDEN, R. G. Associative search for information using direct memory systems, 21:39306
  - Determination of errors during work with pulsed sources of radiation, 23:33391
  - Million-channel system for measurement of statistical distribution, 22:43190
- OFER, S. Electric field gradients and hyperfine fields in UFe_2, $NpFe_2$, and $PuFe_2$, 24:28445
  - Exchange interactions in rare earth iron garnets, 22:24426
  - Hyperfine interactions of Eu nuclei in $SmFe_7$, Sm_2Co_{17}, and Sm_2Ni_{17}, 23:16874
  - Isomer shift measurements of 2+ → 0+ rotational transition of ^{170}Yb, 22:46774
  - Isomer shift of 83.4-keV rotational transition of ^{153}Eu and interband mixing, 22:27133
  - Isomer shifts in $2^+ \rightarrow 0^+$ rotational transition of ^{176}Yb, 21:29997
  - Isomer shifts of $2^+ \rightarrow 0^+$ rotational transition of ^{154}Gd, 22:53184
  - Magnetic and quadrupole moments of 86.5 keV excited state of ^{155}Gd, 24:15881
  - Magnetic and quadrupole moments of the 22-keV state of ^{149}Sm, 21:10043
  - Magnetic hyperfine field in gadolinium metal, 23:23294
  - Magnetic moment and effective hyperfine field of Sm^{3+} in SmIG, 22:24425
  - Magnetic moment of 91-keV excited state of ^{147}Pm, 25:7855
  - Magnetic moment of the 344 keV level of ^{152}Gd, 23:32915
  - Magnetic moment of the first excited 2^+ state of ^{152}Sm, 22:14014
  - Moessbauer effect in ^{193}Ir in intermetallic compounds and salts of iridium, 22:1348
  - Moessbauer effect studies of the 74.5-keV level of ^{161}Dy, 22:20593
  - Recoilless absorption measurements of 25.6-keV gamma rays of ^{161}Dy, 25:3222
  - Spin relaxation phenomena in Moessbauer spectra of Dy compounds, 24:21894
- O'FERRALL, R. A. More Fractionation of hydrogen and deuterium isotopes in solutions of sodium methoxide, 23:15854
  - Model calculations of hydrogen isotope effects for non-linear transition states, 24:38818
  - Model calculations of primary hydrogen isotope effects, 22:4112
  - Solvent isotope effects upon proton transfer from the hydronium ion, 25:18395
  - Vibrational analyses of liquid water and the hydronium ion in aqueous solution, 25:18399
- OFFEN, H. W. Effect of partial deuteration on biphenyl phosphorescence, 23:192
- OFFERHAUS, L. Dangers of supersonic air travel, 21:28655
- OFFERMANN, B. High power x-ray facilities and their use for the radiation pasteurization of fresh fish, 23:2491
- OFFERMANN, D. Atomic oxygen and carbon dioxide in the lower thermosphere, 25:27609
  - Lower thermosphere composition and density above Sardinia, 24:51545
  - Mass spectrometric determination of neutral constituents in lower thermosphere above Sardinia, 22:15422
- OFFNER, Eric Behavior of secondary circuit of gas-cooled advanced reactor, 24:13586
- OFFORD, Susan M. Neutron cross section of copper in energy range 0.0001 eV to 15 MeV, 22:11917 (AWRE-O-63/67)
  - Photon interaction data, 21:5529 (AHSB(S)R-109)
- OFFORI, Evans D. Cytology of gamma-irradiated gonads of Stomoxys calcitrans (Diptera: Muscidae), 24:34596
  - Gamma irradiation of Stomoxys calcitrans, 24:25620
- OFFORI, Evans Dunstan Effects of gamma radiation on Stomoxys calcitrans, 25:8822
- OFFRET, S. Interaction between incident electron and conduction electron, 21:42187
- OFFUT, G. F. Safety analysis report for ICPP denitration process, 24:19045 (IN-1293)
- OFFUTT, G. F. First product denitration campaign with enriched uranium at ICPP, 25:57397 (IN-1475)
  - First zirconium alloyed fuel reprocessing campaign using soluble nuclear poison, 22:23095 (IN-1091)
  - Optimized use of multipurpose fuel processing facilities at Idaho chemical processing plant, 25:34681 (CONF-710417-1)
  - Rare gas recovery facility at Idaho chemical processing plant, 23:24343 (IN-1221)
  - Rare-gas recovery facility at the ICPP, 24:5722
  - Recovery of U from EBR-I core 2 melted fuel, 21:28049 (IN-1088)
  - Run report for the first campaign of co-processing aluminum and zirconium fuels at icpp, 25:44414 (IN-1472)
  - Zirconium fuel reprocessing campaign of 1970, 25:37459 (IN-1471)
- OFFUTT, M. S. Radiation-induced resistance to root-knot nematodes in Korean lespedeza, 24:34284
- O'FLYNN, M. Design of pod boiler pressure vessels, 25:56885
- O'FOGHLUDHA, F. Beta-ray extracorporeal irradiators affording complete patient mobility, 22:28529
  - Conference on dosimetry of total-body irradiations by external photon beams, Oak Ridge, Tenn., 2/67, 22:8513 (CONF-670219)
  - Scintillation dosimetry, 23:50183
- O'FOGHLUDHA, Fearghus Short-lived radioisotopes, 23:38655
- O'FOGHLUDHA, Fearghus T. Radioinduced transplantation immunity in man and dogs, 21:30909
  - Stereotactic treatment of agromegaly, 23:41400
- O'FOGHLUDHA, G. Production of variable-energy calibrating radiation by Compton scattering, 23:26475
- O'FOLGHLUDHA, Fearghus T. Prolongation of renal homograft survival by indwelling beta irradiation, 21:13019
- O'FRIEL, Z. Energy spectrum of ^{6}Li fragments resulting from bombardment of AgBr by 28 GeV protons, 25:59278
- OFSTAD, P. Wilson effect and the transparency of sunspot models, 24:3107
- OFTE, D. Liquid plutonium: a review of its physical properties, 21:39633
  - Viscosities of liquid U, Au, and Pb, 21:36857
- OFTE, Donald Density and viscosity of liquid Pu—U alloys, 25:16466
  - Viscosity-density-composition relationships for liquid plutonium—cerium alloys, 21:32874
- OFTEDAL, Eyvinn Superconductivity and specific heat of titanium—rhodium alloys, 22:7231
- OFTEDAL, P. Effects of radioactive Sr on rat bone marrow, 23:10059
  - Leukemia induced by radiation, 24:44619
  - Radiosensitivity of Drosophilia spermatogonia. IV, 23:31890
  - Strontium-90 effects on rat bone marrow, 23:26897
  - Transmutation studies in Drosophila, 24:31925
- OFTEDAL, Per Genetic effects of tritiated thymidine, 23:31712
  - Mutant yield and cell killing after x-ray treatment of heterogeneous cell populations, 23:20152
  - On the probability of radiation being the cause of leukemia, 23:10102
  - Radiation sensitivity of Drosophila embryos, 23:20334
  - Radiation-induced leukemia, 24:32263
  - Radiosensitivy of Drosophila spermatogonia. I, 21:18124
- OFTIE, D. Fluid flow of liquid plutonium alloys in an oscillating-cup viscosimeter, 22:28796
- OGAIESYAN, R. Ts. Calculations of the ion motion in the central region of cyclotron with azimuthal displacement of the source, 21:987 (JINR-P-2854)
- OGAKI, M. Genetic control of radiosensitivity in Drosophila melanogaster, 25:52026

- OGAKI, Masahiro Inheritance of radioresistance in Drosophila. I, 21:4787
- O'GALLAGHER, J. J. Analysis of changes in the modulated cosmic-ray spectrum near solar minimum, 23:10465
  - Cosmic-ray radial density gradient and rigidity dependence at solar minimum, 22:5154
  - Heliocentric intensity gradients of cosmic-ray protons and helium during minimum solar modulation, 21:16840
  - Intensity profile of 15-MeV protons from Feb. 5, 1965 solar flare, 24:17713
- OGANDZHANYAN, E. E. Glycogen content in liver of irradiated mice in bone marrow transplantation, 21:22285
  - Influence of bone marrow transplantations on the mitotic activity of spleen cells of the irradiated mice, 21:32705
  - Influence of sinestrole on the glycogen content of the spleen neutrophils of irradiated mice, 21:34722
  - Response of the spleen to suspensions of marrow transplanted into it, 23:10019
  - Some changes in the liver of irradiated mice, 23:10088
- OGANESIAN, Yu. Ts. Production and decay of compound nuclei in high-energy heavy ion reactions, 25:59779 (JINR-P7-5912)
  - Synthesis of element 105, 25:12620
- OGANESSIAN, A. G. High energy particle identification by x-ray transition radiation (XTR) detectors, 25:10877
- OGANESSIAN, Youri Extraction of a beam of heavy ions accelerated in a stellar field cyclotron by stripping, 21:11875 (ORNL-tr-1469)
- OGANESYAN, A. G. Density effect in bremsstrahlung of 600-MeV electrons, 21:43793
  - Detection of high energy particles using transitional radiation, 24:2495
  - Experimental investigation of transition radiation and the possibility of exploiting it to measure the energy of fast particles, 23:39653
  - Measuring the energy of relativistic particles by means of transition radiation, 23:27759
  - Polarization phenomena in $\gamma\gamma \rightarrow e^+e^-$ reaction and its possible experimental study, 24:42865
  - Possible way of measuring the energy of relativistic particles by means of transition radiation, 23:7791 (NP-tr-1717)
  - Radiation of relativistic electrons in lamellar media, 21:26986
  - Resonance radiation of electrons of energy up to 600 MeV in a layered medium, 21:3854
  - Spectral distribution of transition radiation of relativistic electrons, 24:20041
  - Ultrahigh-energy particle detector using transition x radiation, 24:48321
- OGANESYAN, A. P. Combined operation of spark chambers and ionization chambers, 23:31553
  - Investigation of the cosmic-ray nuclear-active component, 21:30721
- OGANESYAN, D. G. Coupling on line and logic for the exchange of information between the measuring projector for the treatment of the track chamber photographs and the computer, 21:19917
- OGANESYAN, Dzh Anomalous radiobiological phenomenon, 22:23501
- OGANESYAN, Dzh. B. Relativistic electron spectrum in planetary nebulae, 24:21456
- OGANESYAN, Dzh. O. Cyto-embryological study of beans under the effect of x radiation, 21:45842
  - Protective action of certain low-molecular organic compounds against radiation injury of Vicia faba sprouts, 22:49459
  - Protective action of sulfur-containing compounds against radiation injury in seedlings of Vicia faba, 24:39524
- OGANESYAN, E. Ya. Detailed photometric and colorimetric studies of six spiral galaxies in Virgo, 23:1141
  - Photometric and colorimetric study of galaxies in constellation Virgo, 22:43721
- OGANESYAN, K. O. Charged pion production by 600 MeV neutron collision with nuclei of various elements, 22:37078
  - Charged pion production in 600 MeV neutron collisions with nuclei of different elements. I, 21:40143 (JINR-P1-3399)
  - Charged pion production in approximately 600 MeV neutron collisions with nuclei of different elements. II, 21:40144 (JINR-P1-3400)
  - Measurement of ppμ molecule formation rate in gaseous hydrogen, 23:44174
  - Measurement of ppμ-molecule formation rate in gaseous hydrogen, 22:45921 (JINR-P15-3964)
  - Production of charged pions by collision of approximately or proportional to 600 MeV neutrons with nuclei of various elements. II, 24:40249 (ORNL-tr-2347)
  - Production of charged pions in collisions of neutrons with nuclei of various elements, 22:34842 (ORNL-tr-1924)
  - Stabilization system for a multidetector scintillation spectrometer, 23:33480
- OGANESYAN, K. T. Rate constant for reaction of atomic deuterium with terminal alcohols, 23:24167
- OGANESYAN, N. M. Chronic effect of radioactive sulfur, 23:22374 (AEC-tr-6944, pp 345-9)
- OGANESYAN, R. A. Study of nonrelativistic electrons in thin metallic films, 21:3699
  - Transition radiation of nonrelativistic electrons in thin gold films, 21:24898
- OGANESYAN, R. Kh. Spectrophotometric study of some stars of Of type, 25:8986
  - Spectrophotometric study of V 444 Cyg, 22:43799
- OGANESYAN, R. S. Equilibrium of a rotating cylindrical configuration in the presence of a magnetic field, 22:43707
  - Small oscillations in diffusion layer of plasma, 23:46498
  - Small oscillations in isothermal, inhomogeneously compressible gravitating medium of cylindrical symmetry, 22:11457
  - Stabilization of hollow jet with homogeneous magnetic field, 21:35064
- OGANESYAN, R. Ts. Calculations of ion motion in central region of cyclotron, 23:8867 (NP-tr-1718)
  - Experiment on beam extraction by electrostatic deflector from JINR 2-metre isochronous cyclotron, 24:28645 (JINR-P9-5037)
  - Extraction of a beam from the JINR two-meter isochronous heavy-ion cyclotron, 25:22924
  - Isochronous heavy ion cyclotron of JINR, 23:28130
  - Magnetic field design for the 2-meter isochronous cyclotron of heavy ions, 23:17021 (JINR-P9-4233)
  - Parameters of accelerated ion beams from 2-meter JINR isochronous cyclotron, 24:35730 (JINR-P9-5048)
  - System of current correlation of 2-meter JINR isochronous cyclotron, 24:37985 (JINR-P9-5047)
- OGANESYAN, Yu. Ts. Charge and isotope distributions of the excited nucleus fragments in the high ion reactions, 23:3998 (JINR-P7-4024)
  - Charge and isotope distributions of fragments from fission of excited nuclei in reactions with heavy ions, 23:37215
  - Effect of the final stage of fission process on distribution of fragment mass and charge distribution, 24:38334
  - Effective momenta of inertia of heavy nuclei at the saddle point, 22:1669
  - Effective moments of heavy nucleus inertia in saddle point, 21:15568 (JINR-P7-3105)
  - Elastic scattering of heavy ions by nuclei, 25:56740 (JINR-P7-5884)
  - Estimate of production cross section of transuranic elements in reaction of nuclei fission, 23:25903 (JINR-P7-4339)
  - Experiments on measurement of compound nucleus lifetime in W(^{22}Ne,f) reaction, 25:20370 (JINR-P7-5512)
  - Fission of compound nuclei in the region $(Z^2/A) > 37$, 24:30804
  - Fission of excited nuclei, 25:5691
  - Fission of excited nuclei, 22:46815 (JINR-E7-3942)
  - Fission of excited nuclei, 24:24663
  - Gamma-radiation of some rare-earth elements, 24:11018
  - Ge(Li) gamma spectrometers for measurement of mass distribution of fission fragments, 23:45539
  - Identification of elements 102 and 104 by collimation method, 24:49866
  - Identification of elements 102 and 104 with the help of the collimation method, 25:10030 (KFK-tr-329)
  - Investigation of many-nucleon transfer reactions induced by heavy ions on nuclei in intermediate mass region, 24:38286
  - Isochronous heavy ion cyclotron of JINR, 23:28130
  - Mass distribution of fission fragments of Bi and U nuclei by heavy ions, 22:24857 (JINR-P7-3732)
  - Mass distribution of fragments at fission of Bi and U nuclei by heavy ions, 23:8977
  - Mass distribution of the fission fragments of the bismuth and uranium nuclei by heavy ions, 23:42908 (ANL-Trans-747)
  - Mass distribution of U fission fragments induced by neon ions, 21:40427 (JINR-P7-3424)
  - Measurement of a number of neutrons in the fission of nuclei by heavy ions, 24:6884 (JINR-P7-4556)
  - Measurement of numbers of neutrons from fission of nuclei by heavy ions, 24:33147
  - Mechanism of nuclear ternary fission in the reactions with heavy ions, 21:44684
  - Mechanism of ternary fission in heavy ion reactions, 21:15567 (JINR-P7-3103)
  - Nuclear fission into three fragments induced by heavy ions, 21:31824
  - Observation of Po and At isotopes among fragments from fission of ^{238}U bombarded by ions ^{20}Ne and ^{40}Ar, 23:5886
  - Observation of Po and At isotopes in fission fragments when bombarding ^{238}U with ^{20}Ne and ^{40}Ar ions, 22:22582 (JINR-P7-3710)
  - Possibilities of isotope synthesis in fission reaction, 25:5756
  - Regularities of production of spontaneously fissionable isotope of element 105, 24:40614 (JINR-P7-5108)
  - Regularities of the isotope in the multinucleon transfer reactions, 25:23027 (JINR-P7-5495)
  - Spontaneous fission of the isotopes of elements 103 and 105, 24:26637 (JINR-P7-4932)
  - Synthesis of element 105, 24:49858 (JINR-P7-5164)
  - Synthesis of element 105, 25:5757
  - Ternary fission of ^{238}U induced by neon ions, 21:5530 (JINR-E7-2924)
  - Ternary fission of nuclei induced by heavy ions, 21:12022 (JINR-P7-3063)
- OGANEZOV, Z. A. Experimental investigation of a thermionic converter in the Knudsen mode, 25:47367
- OGAR, W. Thomas Simultaneous measurement of sputtered constituents of Cu$_3$Au, 24:6614
- O'GARA, R. W. Effect of an extract of UV-irradiated linolenic acid on azo dye carcinogenesis, 23:29389
- O'GARA, Roger W. Laser destruction of chemically induced hepatomas, 22:4675
- OGARD, A. E. High temperature heat content and heat capacity of UO$_2$ and UO$_2$—PuO$_2$ solid solutions, 21:42914 (LA-DC-8620)
  - High-temperature heat content and heat capacity of uranium dioxide and uranium dioxide—plutonium dioxide solid solutions, 22:31480
  - High-temperature properties of irradiated fuels, 24:1056
  - Operating experience on an economical ^{238}Pu processing facility, 24:31658
  - Plutonium carbides, 24:44785 (LA-4415)
  - Preparation of uranium—plutonium—carbide fuel particles, 25:52419 (A/CONF.49/P-119)
  - Synthesis and fabrication of carbide fuels, 24:6249
  - Synthesis and fabrication of pure, single-phase, uranium—plutonium monocarbide pellets, 24:21413 (LA-4283)
  - Synthesis, fabrication, and behavior of single phase U—Pu carbides, 25:47152
- OGARD, Allen E. High-temperature heat content of PuO$_2$, 25:11491
- OGASARAWA, Seitoku Statistical observations on clinical examinations of atomic bomb survivors. III, 22:15046
- OGASAWARA, Eio Construction of a ring-electrode void meter, 22:21390 (AEC-tr-6930)
  - Discharge of saturated water from long ducts, 22:8297 (AEC-tr-6928)
- OGASAWARA, H. Sodium-heated steam generator for the FBR, 24:52897
  - Studies for safety analysis of loss-of-coolant accidents, 25:31605
- OGASAWARA, Hideo Critical flow rate in two phase flow. V, 23:26446
  - Safety analysis of loss-of-coolant accidents in light-water power reactors, 25:18163
  - Safety system for a nuclear reactor, 22:7865
  - Safety system for a nuclear reactor, 22:7864
  - Studies for safety analysis of loss-of-coolant accidents in light-water power reactors, 22:42197 (NSJ-tr-112)
- OGASAWARA, M. Pulse radiolysis of styrenes, 24:31382
- OGASAWARA, Makoto Atomic scattering factors for electrons as calculated by the partial-waves method, 21:20748
  - Atomic scattering factors for heavy atoms, 23:18426
- OGASAWARA, Masaaki Effect of γ-irradiation on acidic property of nickel sulfate, 23:13704
  - Study of thermal decay of trapped electrons and other species in an organic glass by rapid-scan electron spin resonance, 24:41364
- OGASAWARA, Masatada Effects of temperature relaxations on waves in a homogeneous plasma, 23:18708
  - Sum and difference frequency generation in a plasma, 23:18709
  - Sum and difference frequency generation in a plasma. II, 24:17991
- OGASAWARA, S. Effect of vitamin C administration on the tanning of skin due to uv irradiation, 21:6684
- OGASAWARA, T. Flux flow resistance kappa$_1$(T) parameter for Type-II superconducting vanadium, 22:50103
  - Hall effect in type-II superconductor vanadium, 22:34564
  - Helicon-like oscillation in superconducting tin, 22:34522
  - Temperature dependence of the critical field H/sub c2/ in solid-solution Nb—Ta alloys, 21:25081
- OGASAWARA, Takeshi Flux instabilities in high field superconducting wires, 24:45198
  - Magnetic properties of superconducting Nb—Ta alloys, 23:8553
  - Magnetic properties of superconducting tantalum—niobium alloys, 25:1127
  - Magnetization, flux flow resistance, and Hall effect in superconducting vanadium, 23:44368
- OGASHIWA, Motohide Radiotherapy of brain tumors, 22:31192
- OGATA, A. Crossover and leading edge timing methods, 23:4855 (NYO-3661-13)
  - Recent developments in measuring short time intervals by time-to-amplitude converters, 22:16944
  - Time-to-amplitude converter, 23:22120
- OGATA, Atsushi Positron annihilation in radiation-induced solid-state polymerization, 21:42970
- OGATA, H. Beta—gamma angular correlations and shape-factor measurements in ^{186}Re and ^{188}Re, 24:24590
  - Boiling heat transfer to liquid helium in inclined channels, 25:45390
  - Elastic and inelastic proton scattering from even isotopes of Cd, Sn, and Te, 22:53196
  - Elastic and inelastic proton scattering from heavy collective nuclei, 25:43901
  - Excited 0^+ states in ^{52}Fe, ^{54}Fe, ^{56}Ni, and ^{58}Ni from (p,t) reaction, 25:20321
  - Isobaric analog resonances in very heavy nuclei, 22:27213
  - Isospin-forbidden resonances in p-shell and sd-shell nuclei, 22:27051
  - Nuclear matrix elements in the first-forbidden beta decays, 22:27388
  - Numerical differential cross sections of reaction ^{58}Ni(p,t)^{56}Ni with 51.9 MeV protons, 25:12431 (INSJ-124)
  - Pairing-model calculation of nuclear matrix elements in decay of ^{74}As, 22:37325
  - Phenomenological study of nuclear vibration, 24:43508
  - Phonon model description of spherical nuclei, 23:44994
  - Proton scattering (16-MeV) from even tin isotopes, 22:27203
  - Reactions (α,t) on medium-weight nuclei, 22:27025
  - Reorientation measurements in ^{116}Sn and ^{124}Sn, 25:15041
  - Scattering of 16-MeV protons from even tin isotopes, 21:44717
  - Superconducting saddle-shaped magnets, 23:3428
  - Tensor-force effects on the l-forbidden M1 transitions, 25:7925
  - The decay of ^{186}Re and ^{188}Re, 24:43367
- OGATA, Hideto Device for testing electric-insulation paints, 23:47870
- OGATA, Hiroshi Energy spectra of inelastic scattering of 28.4-MeV alpha particles, 21:33985
  - Experimental researches at Rutgers, 24:20341 (JAERI-1184, pp 36-8)
  - Scattering of 34.4-MeV alpha particles by the tin isotopes, 22:39649
  - Scattering of alpha particles by medium-weight nuclei, 21:21482 (NSJ-tr-64)
- OGATA, K. Atomic mass determinations. II, 23:20069
  - Mass spectrometric study on double β-decay, 23:1897
- OGATA, Kuniyasu Browning of potato tubers by gamma radiation. I, 25:22003

Changes in fruits induced by ionizing radiation. III, 23:29936
Ripening control and storage of fruits by irradiation, 23:10150
Storage of irradiated fruits and vegetables, 23:50975
OGATA, N. Present status of recovery of U, 25:37483
OGATA, Noboru Adsorption of uranium in artificial seawater with titanic acid, 25:26350
Collection of U in sea water. III, 23:49917
Collection of U in sea-water. I, 23:7617
Collection of U in sea-water. VII, 25:39577
Collection of uranium in sea water. II, 23:21798
Collection of uranium in sea water. III, 23:47596
Collection of uranium in sea-water. VI, 25:32049
Fundamental study on the collection of uranium in seawater, 25:57337
Separation and determination of uranium in sea water, 24:29202
OGATA, Shoji Deposition of radioactive fallout of 4th communist Chinese nuclear test, 23:2422 (NSJ-tr-132)
OGATA, Takayuki Gel chromatographic behavior of alkaline earth metal ions on Sephadex columns, 25:6410
OGATA, Takeshi Multiple meson production in proton—nucleon interactions at 2.6 and 24 GeV/c, 23:5537
Multiple particle production in proton—nucleon interactions, 23:39606
OGATA, Y. Kinetics of the addition of substituted benzenesulfinic acids to p-benzoquinone, 24:18976
OGAWA, Eiichi Elimination of radioactive Sr, 21:22307
Experiments on elimination of radioactive strontium deposited in bone. II, 21:43329
Zinc-65 and ^{59}Fe metabolism in liver damaged animals, 22:51312
OGAWA, H. Magnetic analyzer system for the INS Tokyo synchrocyclotron, 21:27492
OGAWA, H. S. Streaming plasma transport and cutoff in transverse magnetic fields, 22:24330
OGAWA, Hideo Observation of galactic x rays, 22:15298
Proportional counter for cosmic soft x-ray measurement, 24:33903
OGAWA, Hideya Treatment of tumors of bladder. I, 24:4667
OGAWA, Hideyuki Bacteriophage DNA, 21:43349
Breakage of DNA in rec$^+$ and rec$^-$ bacteria by radiophosphorous, 23:48272
Genetic locations of uvrD and pol genes of E. coli, 25:42328
Studies on radiation-sensitive mutants of E. coli. II, 22:40629
Studies on radiation-sensitive mutants of E. coli. I, 22:40628
OGAWA, Hiromi Rabbit device for a reactor, 22:53435
OGAWA, Hiroshi Preparation of ^{131}I-macroaggregated albumin, 21:12940
OGAWA, Hiroyuki Device for drying irradiated samples, 22:48990
OGAWA, I. Carrier multiplication in semiconductor detectors, 21:17838
Limitation of Owen—Batchelor method of pulse shape discrimination in a photomultiplier against high energy electrons and muons, 22:2421
OGAWA, Ichijuro Device for taking out mold goods, 22:19019
OGAWA, Iwao Multiplicative process in semiconductor radiation detectors, 22:21326
OGAWA, K. Effective neutron—proton interactions in nuclei with N = 29, 22:27306
Image analysis of thermal neutron radiographs, 23:7712 (NP-tr-1716)
Method of determination of thermal neutron beam collimation, 21:4188
OGAWA, Kazuyuki Device for neutron radiography, 23:19918
Device of neutron radiography, 22:37914
Ion source for a particle accelerator, 22:9748
Ion source, 22:9754
Neutron radiography in Toshiba, 23:33353
Plasma density dependence of RF ion sources, 21:11401
Pulsed neutron source for thermal reactor physics, 22:22538
Supervisory device for the ion source of an accelerator, 22:9749
Target for a neutron generator, 21:28142
OGAWA, Kengo Effective proton-neutron interaction in pf shells, 22:48586 (JAERI-1158, pp 133-7)
Rotational levels in a simple shell-model configuration, 25:39119
OGAWA, Kiyoshi Conversion of waves on fluctuations in plasma, 22:44137
Electrical dc conductivity of a turbulent plasma, 22:15526
Heating induced conditions and its mechanism of theta pinch plasmas, 25:38386 (CONF-710607-125)
Observation of the ion resonance by an rf probe, 21:2209
Simulation of plasma in the ionosphere and the magnetosphere, 24:12701
Transformer coupled fast theta-pinch device with variable rise time, 25:30577 (EUR-4593, pp 355-63)
OGAWA, M. 0$^+$ states in Mo isotopes from (p,t) reactions and anomalies in the new transitional region, 25:48104
Absorption coefficients of O_2 at the Lyman-alpha line and its vicinity, 23:1283
Analog states excited with the ^{93}Nb(p,d)^{92}Nb reaction, 22:29993
Half-life of /sup 113m/In, 21:30001
Level structure of ^{90}Zr, 22:50572
Levels of ^{90}Zr excited with reaction ^{92}Zr(p,t)^{90}Zr, 23:15406
Medical aspect of chronic hypoxia in radiation exposed glomerulus in hamsters treated with injected ozone gas, 25:42636
Metabolic changes in tissues prepared from irradiated sweet potato roots with regard to ethylene effects, 25:35105
OGAWA, Masami Effect of gamma radiation on peroxidase development, 24:17001
Effects of gamma irradiation on metabolic changes in potato tubers, 23:3006
Metabolic changes in sweet potato roots induced by gamma radiation, 23:35656
Tissue browning of potato tubers induced by gamma irradiation, 25:21584
OGAWA, Masao Nuclear structure studies of nuclei near N = 50 with (p,d) and (p,t) reactions. I, 22:26987
Nuclear structure studies of nuclei near N = 50 with (p,d) and (p,t) reactions. II, 22:27140
OGAWA, Nagao Unit No. 3 of Fukushima Nuclear Power Station, Tokyo Electric Power Co, 25:23109
OGAWA, Naotake Adsorption behavior of ^{68}Ge and ^{68}Ga on alumina, 25:15755
Comparative study on Zr oxide for preparation of /sup 113m/In generator, 25:26341
OGAWA, Ryuzo Studies on the metabolism of thiamine in thyroid disorders. II, 21:10735
OGAWA, S. Deposition of high-purity Nb films by tetrode sputtering, 25:25036
Effect of alloying on band ferromagnetism in $ZrZn_2$, 22:1320
OGAWA, S. Y. Burst and tensile properties of irradiated Incoloy-800 and Inconel-625 tubing materials, 21:36893
Fabrication of centermelt assemblies, 23:48507 (GEAP-10032)
Fission gas activity released from failed stainless steel clad fuel rods during operation in VBWR, 21:46853 (GEAP-4917)
Power reactor high performance UO_2 program: fuel design summary and program status, 22:22698 (GEAP-5591)
Prog. rpt. on power reactor high performance UO_2 program, 7—12/67, 22:27415 (GEAP-5585)
Prog. rpt. on power reactor high performance UO_2 program, quarterly, 1/1—3/31/68, 22:35460 (GEAP-5605)
Prog. rpt. on power reactor high performance UO_2 program, 4—6/68, 22:50736 (GEAP-5661)
Prog. rpt. on power reactor high performance UO_2 program, 7—9/68, 23:23826 (GEAP-5751)
Prog. rpt. on power reactor high performance UO_2 program, semiannual, 10/68—3/69, 23:40367 (GEAP-5771)
Prog. rpt. on power reactor high performance UO_2 program, 4—6/69, 23:46148 (GEAP-10042)
Unique problems and solutions on GETR materials irradiation capsules, 21:20536 (CONF-660511-, pp 1.3.1-9)
OGAWA, Shinji Characteristics of a Nb_3Sn superconducting solenoid, 23:25252
Magnetic properties of Zr/sub 1-x/Ti/sub x/Zn_2, Zr/sub 1-x/Y/sub x/Zn_2, Zr/sub 1-x/Nb/sub x/Zn_2, and Zr/sub 1-x/Hf/sub x/Zn_2, 22:39174
Thermal expansion of Au_4V, 25:19229
OGAWA, Shizuko Temperature measurements of Ar plasma arcs and preliminary F-value measurements of Lyman beta, gamma, and delta, 25:52781 (AD-720856)
OGAWA, Shuzo Nonleptonic decay process, 22:29672
One-boson-exchange model, 22:11994
Semi-leptonic process, 25:59394
Some considerations on the weak interaction, 23:25584
Weak interaction and structure of Sakaton, 22:41780
OGAWA, Soichi Magnetic properties of superconducting Sn films, 21:7136
OGAWA, T. Ionization redistribution effect of wind in nighttime ionosphere, 25:35986
Radiation fields of energetic electrons in helical orbits within a magnetoactive plasma, 23:48909
Rocket observations of visible and ultraviolet dayglow features, 25:38249
Worldwide simultaneity of occurrence of Q-type elf burst, 22:22059
OGAWA, Tadahiko Influence of magnetoplasma on gyro-synchrotron radiation, 25:38243
Influence of the magnetoactive plasma on gyro-synchrotron emission spectra in the solar atmosphere, 22:34152
OGAWA, Takeshi No. 1 plant in Takahama Atomic Power Station of Kansai Electric Power Company, 24:16105
OGAWA, Teiichiro Normal vibrations and assignments of infrared spectra of propane and its deuterium derivatives, 22:12295
OGAWA, Tomoko Abortive lysogenization of bacteriophage lambda b2, 21:39528
Effect of ultraviolet irradiation on bacteriophage lambda immunity, 21:39527
Growth of bacteriophage, 21:43540
Replication of phage lambda DNA, 23:47917
OGAWA, Toshihiro Photoelectronic processes in upper atmosphere. II, 21:15032
Rocket observation of the ionosphere in twilight conditions, 23:46364
Sounding rocket observation of helium 304- and 584-A glow, 25:55967
Theoretical studies of the airglow resonant emission transfer, 21:15033
OGAWA, Toshio ELF noise-bursts and enhanced oscillations associated with solar-flare, 7/7/66, 21:15031
Schumann resonances and worldwide thunderstorm activity, 25:38234
OGAWA, Yoshito Growth, differentiation, and regeneration. XLIV, 23:48229
OGAWA, Yuichi Optimal power change of a reactor having internal feedback, 25:60241
Time optimum control for reactors with two kinds of internal feedback, 21:10160
OGAWA, Yukio Image-detecting plate for neutron radiography, 22:37913
OGAWA, Yutaka Effect of alpha-ray irradiation on creep-rupture properties of austenitic stainless steel, 25:55574 (JAERI-Memo-4408)
Effect of cold working on creep properties of stainless steel, 25:2661 (JAERI-Memo-4125)
Recrystallization of V—20 percent Ti alloy, 25:27259
Recrystallization of V—20 wt percent Ti alloy, 25:42884 (JAERI-13731)
Recrystallization of Zr—2.5 wt percent Nb alloy, 25:42885 (JAERI-13764)
OGAWA, Yutakai Electron microscope observation of the zirconium hydride, 25:42981 (JAERI-13635)
OGAWARA, Shigeyuki Case report of liver cancer induced by Thorotrast and a study of the metabolism of daughter nuclides, 21:11084
Metabolism of thorotrast and its daughters in the SM mice, 21:22324
OGAWARA, Y. Measurement of the absolute intensity of cosmic x rays, 23:34166
Observation of a new x-ray source, 24:6306
Possible models for x-ray source, SCO-X-1, 21:11355
OGAZA, S. g-factors of excited states in ^{124}Te and ^{147}Sm, 22:46779
Larmor precession for 4+ states in Er isotopes, 22:46800
Lifetimes of excited nuclear states in ^{115}In, 21:17344 (INP-506/PL)
Lifetimes of excited nuclear states in ^{115}In, 21:42630
Magnetic hyperfine field at ^{183}W, 24:32932
Magnetic properties of strongly deformed atomic nuclei, 22:1747
Magnetic properties of the ^{171}Tm nucleus, 21:15585
Perturbed 208.00—59.54 keV γ—γ angular correlation in ^{237}Np, 22:50631
Spin polarization effect on the fast allowed beta transitions between deformed odd-mass nuclei, 21:46794
Spin-polarization effect in deformed odd mass nuclei, 22:46829
Time-dependent interactions on rare-earth ions implanted into copper lattices, 24:49805
OGAZA, Stanislaw Theory of magnetic dipole moments of spherical and transition nuclei, 25:39060 (INP-729)
OGBORN, R. E. Serum zinc levels following exposure to ionizing radiation, 22:38284
OGBORN, Richard E. Determination of manganese in tissues by neutron activation analysis, 21:23830
Radiation factors in congenital malformations, 21:11039
Response of selected serum enzymes following exposure to varying doses of fission-spectrum neutron and 250 kVp x-ray irradiation, 22:21427
OGBUEHI, P. O. Equatorial electrojet and the world-wide S/sub q/ currents, 21:23126
Preliminary results on equatorial electrojet in India, 21:37334
OGDEN, D. A. Inflow of bone marrow cells to the thymus, 21:20342
Repopulation of Peyer's patches in mice, 22:19416
OGDEN, Eugene Experimental data on ragweed pollen dispersion and deposition from point and area sources, 24:41078 (BNL-50224)
OGDEN, Eugene C. Experimental data on dispersion and deposition of timothy and corn pollen from known sources, 25:31684 (BNL-50266)
OGDEN, H. R. Properties of Ta—W—Mo alloys, 23:27101
Silicide coatings for tantalum and tantalum-base alloys, 21:9064
OGDEN, J. S. Thermodynamics and mass transport in the plutonium—uranium—nitrogen systems, 23:3118
Thermophysical properties of (UPu)N, 25:11492
Vaporization of nitride and carbide fuels, 24:6267
Volatilization characteristics of uranium mononitride, 23:22675
OGDEN, Julius S. Thermal stability of zirconia- and thoria-base fuels, 21:11294 (BMI-1789)
OGDEN, P. J. Pion—nucleon phase shift analysis from 1.98 to 3.5 GeV/c, 25:20012
OGDEN, Philip M. Nucleon—nucleon polarization between 300 and 700 MeV, 22:5503
OGELMAN, H. Discrete source interpretation of recent high energy cosmic-ray measurements, 23:18335
Pulsar periods and rapid changes in the terrestrial rotation rate, 24:3068
Upper limit on x rays from a new supernova, 22:34193
OGELMAN, H. B. Experimental tests of the supernovae origin of cosmic rays, 23:16683 (N-68-33370)
Gamma-ray astronomy balloon results, 23:30362 (N-69-20028)
OGER, C. Basic criteria used in construction of Eurochemic plant at Mol, 22:6424
Problems related to radioactive waste processing, 23:11620
OGER, Claude Technical and economic problems associated with development of methods of processing and using radioactive waste, 22:40152 (CEA-R-3449)
OGER, R. Removable head for pneumatic device, 25:13203
OGER, Robert Detachable head for a pneumatic system, 25:2427
OGG, A. J. Gamma-ray sterilization in ophthalmology, 22:52103
Sterilization of saline by gamma radiation, 22:600
OGG, C. S. Intestinal absorption of ^{47}Ca by patients in chronic renal failure, 22:51448
Method for measuring the gastrointestinal absorption of ^{47}Ca using ^{47}Sc as an inert marker, 22:51326
OGG, G. S. Scandium-47 inert marker technique as a test of Ca absorption, 22:25773
OGIBALOV, P. M. Dynamics and strength of shells, 21:17799 (NASA-TT-F-284)
OGIBIN, V. N. One scheme of modeling particle trajectories in systems of complex geometry, 22:34735
OGIENKO, V. S. Deep burns induced by x-rays, 24:48721
OGIER, E. Distribution of dose around Ogier—Scarpa uterovaginal applicator, 25:24169
OGIER, George Generation and containerization of radioisotopes, 23:31492
OGIEVETSKII, V. Breakdown of highest symmetries and nonet pseudoscalar mesons, 24:5328

Nonlinear realization and breaking of SU(3)-symmetry, 24:15629 (INP-681, pp 29-45)
OGIEVETSKII, V. A. Consistent relativization of an SU(6) group for two-particle reactions, 21:4085
OGIEVETSKII, V. I. Algebraic realization of chiral SU(3) x SU(3) symmetry, 25:25468 (JINR-P2-5692)
  Algebraic realization of chiral symmetry for meson systems and theory of Yang—Mills type, 25:30850 (JINR-P2-5759)
  Algebraic realization of unitary symmetry, 25:1577
  Broken SU/sub w/(6) symmetry and ninth pseudoscalar meson, 21:37884 (JINR-P2-3391)
  Broken SU/sub W/(6) symmetry and ninth pseudoscalar meson, 22:39460
  Chiral dynamics of A_1—rho—π system, 25:1524
  Conserved tensor currents and the relativistic structure of the SU(6) group, 21:11785
  Eightfold-way formalism in SU(3) and 10- and 27-plets, 21:2489
  Extension of SU(6)/sub w/ to noncollinear processes, 21:29571 (JINR-E2-3279)
  Mass formulas in algebraic realization of the SU(3) symmetry, 25:22863
  Necessity of new measurements of spin parity of X^0(960)-meson, 23:1594 (JINR-E2-4064)
  Necessity of new measurements of spin-parity of X^0 (960) meson, 23:30730
  Ninth pseudoscalar meson in broken SU/sub W/(6) symmetry, 22:9692
  Nonlinear realizations of chiral groups, 24:30544
  SU(6)/sub X/ group as extension of SU(6)/sub W/ to noncollinear processes, 22:20302 (INP-555/PH, pp 43-71)
  X^0(960) meson: 2^- or 0^-, 25:22689 (JINR-E2-5627)
  X^0(960)-meson -2^- or 0^-, 25:30833
OGIEVETSKY, V. I. Algebraic realization of unitary symmetry, 25:17523 (JINR-E2-5229)
  Chiral SU(2) x SU(2) dynamics for A_1, rho, and π mesons, 25:9781
  Chiral SU_2 x SU_2 dynamics for A_1, rho and π mesons, 25:17477 (JINR-E2-5249)
OGII, P. E. Effect of bone marrow homotransplants on healing liver wounds combined with severe radiation trauma, 24:34405
  Effect of homotransplantation of bone marrow on the healing of liver wounds in severe combined radiation trauma, 25:27005
  Effect of large doses of ionizing radiation on healing process of hepatic wounds, 21:434
  Liver in radiation injury and surgical trauma, 24:32187
OGILVIE, K. W. Acceleration of protons by interplanetary shocks, 25:11624
  Auroral electron energy spectra, 22:22054
  Causes of sudden commencements and sudden impulses, 23:30419
  Charge exchange for H^+ and H_2^+ in H_2O, CO_2, and NH_3, 24:32671
  Crossed field velocity selector, 22:23375
  Dependence of the lunar wake on solar wind plasma characteristics, 23:41849
  Energy transfer at colliding streams in the solar wind, 25:16698
  Heating of the solar wind, 24:15081
  Helium abundance in the solar wind, 23:46214
  Hydromagnetic observations in the solar wind, 24:42468
  Hydromagnetic shocks in the solar wind, 23:27296 (N-69-17978)
  Hydromagnetic shocks in the solar wind, 23:46213
  Interplanetary shock observations by Mariner 5 and Explorer 34, 24:42464
  Magnetic and thermal pressures in the solar wind, 25:11607
  Magnetic field and electron observations near the magnetopause, 24:51506 (N-70-27428)
  Magnetic field and electron observations near the dawn magnetopause, 25:40478
  Mass-energy spectrometer for space plasmas, 22:23377
  Microscale fluctuations in the interplanetary magnetic field, 23:20634
  Observations of the magnetosheath—solar wind boundary, 22:52650
  Observations of the magnetosheath-solar wind boundary, 22:38900 (N-68-21553)
  Plasma observations on Explorer 34, 23:1126
  Relationship of interplanetary parameters and occurrence of magnetospheric substorms, 25:58856
OGILVIE, R. E. An electron transport model for the prediction of x-ray production and electron backscattering in electron microanalysis, 21:3654
  Electron accelerators for high voltage electron microscopes, 24:40528
OGILVIE, Robert E. Role of iron in the oxidation of molybdenum disilicide, 21:13268
OGIMURA, Yoshiko Determination of ^{207}Pb by nuclear magnetic resonance, 22:40028
OGINO, K. Kinetic studies on the reactions of 2- and 4-alkyl-substituted heteroaromatic n-oxides with acetic anhydride, 22:27702
  Reaction of lepidine, quinaldine, and l-methylisoquinoline N-oxides with acetic anhydride, 25:6320
OGINO, Kouya Measurement of the differential cross section at 180 deg, 21:9947
OGINO, Noriyuki Regional lung function tests using ^{131}I and ^{133}Xe double isotope method, 25:26841
OGINO, Y. Coprecipitation of U(VI) with Fe(III)-hydroxide, 22:25244 (KFK-tr-247)
OGINO, Yoshinori Coprecipitation of U(VI) with Fe(III) hydroxide precipitate, 21:12357
OGIR, M. B. Connection between the birth of strong flares and the appearance and intensification of sunspots, 21:16715
  Forms of motions in the chromospheric flares, 25:35747
  Investigation of motions in flares relative to the transversal magnetic field component, 21:36999
  Peculiarities of the origin and motion of flares accompanied by type-IV bursts, 21:37023
  Two types of chromospheric flares, 23:6848
OGIRIMA, Masahiko Effect of precipitates on fatigue strength, 25:27231
OGISO, Akira Influence of x-ray irradiation on the respiration of mice tissue, 21:45790
OGITA, N. Cosmic-ray variations during geomagnetic storms, 25:11745
OGITA, Naofumi Statistical analysis of the high-energy jet showers, 22:7459
OGIWARA, H. Water-cooled channels of an MHD generator, 23:12605
OGIWARA, Hiroyasu Cathodic potential drop of cold electrode of MHD generators, 23:18478
  Performances of MHD generator channel, 24:45071
  Voltage distribution in Faraday-type MHD generators, 24:17723
OGLAZA, Jan Investigation on the efficiency of decontamination by a water vapour jet, 22:31114
  Removal of ^{90}Sr and ^{137}Cs by precipitate flotation, 23:47614
  Usability of foam extraction for the decontamination of water, 21:390
OGLE, H. M. Film boiling indicator, 21:25750
OGLE, J. C. Development of preferred orientations in cold-rolled niobium, 22:41035
  Development of rolling texture in a Nb(Cb)—40 pct V alloy, 24:32465
  Texture inhomogeneities in cold-rolled niobium, 23:41662
OGLE, W. Single-particle levels of nonspherical nuclei in region $150 < A < 190$, 25:48131
OGLETREE, Laurence R. Determination of free hydrogen fluoride in nonvolatile metal fluorides by gas—liquid phase chromatography, 23:49691 (RFP-1296)
OGLOBLIN, A. A. Acceleration of lithium ions in a cyclotron, 23:30892
  Acceleration of lithium ions in a cyclotron, 24:28656
  Carbon-12(^{6}Li,d)^{16}O and ^{12}C(^{7}Li,t)^{16}O reactions, 23:46927
  Design of isochronous cyclotron laboratory, 24:3801 (LA-tr-69-23(Draft))
  Excitation of analogous states with T = $^3/_2$ in reaction (^{3}He,n), 24:6826 (IAE-1764)
  Excitation of T = 3/2 analog states in (^{3}He,n) reaction, 23:46923
  Excited states (4p—3h) in reaction ^{13}C(^{6}Li,d)^{17}O and ^{13}C(^{7}Li,t)^{17}O, 25:3570
  Interaction of ions ^{6}Li and ^{7}Li with light nuclei, 22:35246
  Oxygen-16(^{6}Li,d)^{20}Ne and ^{16}O(^{7}Li,t)^{20}Ne reactions, 23:46926
  Reaction (^{6}Li,α) reaction with ^{16}O and ^{24}Mg, 23:46925
  Reaction (^{7}Li,α) on ^{16}O, ^{24}Mg, ^{27}Al, and ^{28}Si, 23:46924
  Reaction (^{7}Li,α) reaction on ^{9}Be and ^{12}C, 23:46931
  Reaction Li + Li and possible existence of three-cluster states, 25:34000
  Reactions (^{7}Li,t) and (^{6}Li,d) on ^{20}Ne, ^{24}Mg, ^{28}Si, and ^{40}Ca, 23:46950
  Reactions induced by accelerated lithium nuclei, 22:29923
  Search for a T = 2 state in four-nucleon system, 23:19189
  Study of Li-induced reactions, 24:49743
  System of multimeasurement analysis, programmed from a light pencil, 21:22208
OGNEV, A. A. Displacement of the center of the orbit in a cyclotron due to the variation in the voltage along the accelerating gap, 25:20170
  Measurement of the amplitudes and phases of the radial oscillations in the cyclotron by means of two samplers, 22:39538
  Vertical motion of particles in cyclotron, 25:31063
OGNEV, B. I. Mechanism of radioprotectors, 22:4658
OGNEV, B. V. Biological experiments with the laser, 24:41992
OGORADNIK, S. S. Integral thermal flux calorimeter, 24:5939
OGORODNIK, A. F. Gamma ray spectrum from the reaction ^{57}Fe(n,γ)^{58}Fe, 22:1620
  Gamma-ray spectra resulting from capture of thermal neutrons by ^{64} ^{66} ^{67} ^{68}Zn nuclei, 24:38160
  Thermal neutron capture γ-ray spectra for ^{70}Ge, ^{72}Ge, ^{74}Ge, 24:38190
OGORODNIK, S. S. Investigation of the calibration characteristics of a radiation thermodiverter in high-intensity fields of ionizing radiations, 25:57879
  Possibility of variations in unit pulses of radiative heat, 25:57878
OGORODNIKOV, A. P. Experimental studies of helical-channel MHD machine, 25:40448
OGORODNIKOV, B. I. Miniature instrument for measurement of mean total radon concentration, 21:10683
OGORODNIKOV, K. F. Acicular galaxies, 22:43729
  Conditions for the presence of a corona around a stationary, spherically symmetric stellar system, 22:830
  Local star streams. I, 22:52448
  Star streams in the solar neighborhood, 25:43027
  Studies of local star streams. II, 24:30105
OGORODNIKOV, S. N. Solenoidal single-component flow of a single type of charged particle, 23:3283
  Theory of one-component flux of particles of like charge, 22:9071
OGORODNIKOV, V. V. Calculation of the stored energy in irradiated graphite from x-ray graphic data, 21:28866
  Effect of neutron irradiation on electric resistance and color of refractory compounds, 23:36292
  Effect of neutron irradiation on the properties of titanium and chromium carbides, 21:3560
  Effects of neutron radiation on electrical resistance of titanium and chromium carbides, 21:13291
  Investigation of effect of neutron irradiation on structure and properties of LaB_6, 21:10379
  Investigation of irradiation effects in titanium and chrome carbides, 21:3561
  Neutron irradiation effects on diffusion carbide and boride coatings on high-melting metals, 22:34127
  Radiation stability of borides, 22:34086
  Roentgenographic investigation of neutron-irradiated carbides of titanium and chromium, 24:14971
OGORODNIKOVA, A. A. Phase diagrams of systems of Sm, Gd, and Dy oxides with Mg oxide, 25:29985
O'GRADY, B. V. Isotopic exchange between oxygen and carbon monoxide in shock waves, 23:35081
O'GRADY, L. F. Effect of erythropoietin on transplanted hematopoietic tissue, 22:40924
O'GRADY, Lois Treatment of Ewing's sarcoma, 23:38709
O'GRADY, Lois F. Prog. rpt. on hematopoietic repopulation following irradiation injury, annual, 9/69—5/70, 24:39556 (UCD-34-P-187-1)
  Stem cell renewal in frozen marrow, 23:50388
O'GRADY, S. E. Dose—response curve for x-ray-induced translocations in mouse spermatogonia. II, 24:50850
  Induction of translocations in mouse spermatogonia by x-ray doses, 24:21117
OGREN, H. High-energy electron—positron elastic scattering, 25:59250
  High-energy photoproduction of rho^0 mesons, 23:14951
  High-energy photoproduction of rho^0 mesons, 23:16925
  Incoherent photoproduction of rho^0 mesons from complex nuclei, 23:44584
  Mulitparticle production from e^+e^- interactions as high energy, 25:59251
  Photoproduction of phi mesons from carbon at 1800 MeV, 22:26551
  Photoproduction of rho mesons, 24:40237
  Photoproduction of rho^0 mesons from complex nuclei, 23:14952
  Photoproduction of rho—mesons and other pion pairs, 24:8557
  Search for mesons suggested by Veneziano model, 23:49029
OGREN, Harold Olof Photoproduction of neutral rho mesons, 25:45631
OGREN, J. R. Chemical integrity of radioisotope containment materials in launch abort environments, 21:45307 (SC-CR-67-2656)
  Prog. rpt. on radioisotope propulsion technology program, final, 10/65—9/66, 21:12587 (STL-517-0049(Vol.3))
  Thermodynamics of formation of binary rare earth—Mg phases with CsCl-type structures, 21:28772
OGREN, P. J. Growth and decay of alkyl radicals in γ-irradiated alkyl iodides at 77°K, 25:18461
  Origin of complex electron spin resonance spectra of γ-irradiated polycrystalline n-alkyl iodides with even number of carbon atoms per molecule, 25:18424
OGREN, Paul J. Pulse radiolysis of NO: production of NO_2 and N_2O, and production and relaxation of vibrationally excited NO, 23:21759
OGREN, Paul Joseph Radiolysis of solid ethyl iodide, 22:48894
OGRIN, R. Testing of reactor control system, 23:43153
OGRIN, Rudolf Measurement of prompt neutron decay constant of NORA reactor by interval distribution technique, 21:42824
OGRIS, E. Colloid clearance: effect of particle size and extrahepatic deposition, 25:10918
  Perfusion scintigraphy of vascular system, 25:6740
  Portosystemic shunts, 23:35799
  Visualization of abdominal organs by intra-arterial injection of ^{131}I-labeled albumin macroaggregates, 23:48142
OGRZEVAL'SKII, Z. Determination of γ-ray energy in a xenon bubble chamber, 25:42144
  Development of electron—photon showers at energy from 1 to 2 GeV, 23:8712 (JINR-P1-4077)
  Experimental investigation of development of electron-photon showers at energies from 20 up to 300 MeV, 23:51830 (JINR-P1-4562)
  Process of electron—photon shower generation, 24:15444 (ORNL-tr-2257)
  Process of production of electron—photon showers at energies ranging from 1 to 2 GeV, 23:42530 (ORNL-tr-2174)
OGUCHI, Atsushi Influence of high hydrostatic pressure on the flow stress of pure iron and molybdenum polycrystals, 25:29833
  Influence of high hydrostatic pressure on the flow stress of zinc and zirconium polycrystals, 25:35435
OGUCHI, Isao Mechanism of driving a control rod, 22:53484
  Support for a high-temperature and high-pressure vessel, 21:1499
OGUCHI, Tadashi Application of microwaves in plasma measurements, 21:15109
OGUCHI, Takehiko Theory of critical magnetic scattering of neutrons by ferromagnet and antiferromagnet, 21:7645
OGUMA, K. Thin-layer chromatographic behavior of metal ions on DEAE-cellulose in thiocyanic acid—organic solvent mixtures, 25:6417
OGUMA, Koichi Reversed-phase thin-layer chromatography of metal ions, 25:18337
  Separation of carrier-free As(III) from As(V) by the thin-layer chromatographic method, 22:18885
  Separation of Sc, Y, the rare earths, Th, and U(VI), 23:26348
  Separation of zirconium by thin—layer chromatography, 24:20870
  Separation of zirconium by thin-layer chromatography, 23:19848
  Thin-layer chromatographic separation of Sc, Y, the rare earths, Th, and U(VI), 22:45176
OGUNLADE, O. Effect of pH on wear characteristics in water of ten metal combinations, 22:17071 (AECL-2784)
  Surface treatments to improve the wear resistance of type 304 stainless steel in water, 23:964 (AECL-2732)
OGUNLANA, J. Functional method for some nonlinear problems in plasma physics and thermonuclear fusion, 24:45255

  - Stochastic kinetic theory and turbulent heating, 24:45222
- OGUNLANA, Jide Nonlinear problems in the many-body theory of turbulent plasmas, 25:7391
- OGURA, Hajime Radiation-induced decoloration of dyestuffs in aqueous solution, 21:12455
  - Radiation-induced formation of tetrameric hydrogen cyanide in an aqueous solution, 22:2132
  - Radiolysis of ascorbic acid in aqueous solution, 24:22680
  - Radiolysis of hydrogen cyanide in an aqueous system. II, 23:15899
  - Radiolysis of hydrogen cyanide in aqueous system. I, 22:35850
  - Radiolysis of methanol containing cyanogen iodide, 23:38001
- OGURA, Isao Studies on azulenes. I, 21:38968
- OGURA, J. H. Radiation therapy and wound healing delay, 21:41468
- OGURA, Joseph H. Carcinoma of the tonsil, 24:34528
  - Irradiation of early carcinoma of the larynx. Significance of tumor extent, 25:35188
  - Preoperative irradiation and surgery in head and neck cancers, 21:22581
- OGURA, Koichi Balloon borne instrument for auroral x-ray measurements, 25:17031
  - Balloon observation of auroral x rays at Syowa Station, Antarctica, 25:17030
  - Balloon-borne instrument for low-energy primary cosmic-ray measurements, 25:42159
  - Electric charge identification of heavy primary cosmic rays by a photo densitometer, 25:39758
- OGURA, Narumi Reactor-control tubes operated by the pressure, 22:37470
- OGURA, Nobukazu Breaking at the welds, 25:4781
  - Brittle fracture prevention in thick plates for nuclear reactors, 23:14341
  - Embrittling characteristics of pressure vessel steel plate, 24:42161 (CONF-700211-3)
- OGURA, Nobuko Deuterium content as a parameter of water mass in the ocean, 22:16730
- OGURA, R. Morphological and biochemical changes in epidermal nuclei and nucleic acid following ultraviolet exposure, 22:49253
- OGURA, Ryohei Destructive energy of sunlight, 22:51972
  - Effect of ultraviolet irradiation on the sulfhydryl content of mouse melanoma, 22:36182
- OGURA, Ryohei M. Protective effect of orally administrated chloroquine upon ultraviolet-induced biochemical changes, 21:16400
- OGURA, Seiitsu On the steel and alloy tubes and pipe for nuclear power generation, 22:32805
  - Steel and alloy tubes for nuclear power plants, 23:41582
- OGURA, Shigeyoshi Mitsubishi critical facilities, 24:2042
- OGURA, Tadashi Method of producing a sintered uranium dioxide nuclear fuel element containing a boride, 22:11034
- OGURI, Takeo Calorimetric heats of chemisorption of nitrogen on tungsten at higher temperatures, 25:49427
  - Calorimetric studies on chemisorption of nitrogen on tantalum, 25:29843
- OGURTSOV, G. N. Angular distribution of electrons released in atomic collisions, 24:19750
  - Autoionization states in argon, 23:39333
  - Excitation of autoionization states in collisions of complex atomic configurations, 25:40382
  - Interpretation of the energy spectrum of electrons produced in atomic collisions, 25:58733
  - Method of investigation of energy spectrum of electrons released from atomic collisions, 23:47910
  - Spectrum of electrons released upon collision of Ar$^+$ ions with Ar atoms, 23:20666
- OGURTSOV, O. F. 500-channel spectrometer for ionization calorimeter and results achieved from its long service, 23:41142
  - Computer input of the information from a multichannel ionization calorimeter, 23:41140
  - Nuclear cascade process in an ionization calorimeter, 21:28263
- OGURTSOV, V. I. Cross sections of ^{40}Ca photoneutron reactions, 21:1049
  - Energy spectra of electrons in collisions between fast alkali metal atoms and He and Ne atoms, 24:12648
- OGURTSOV, V. V. Computation for pulsed magnetic field coils, 21:1005
  - Dirac monopole, 24:21951 (IAE-1856)
- OGURTSOVA, N. N. Coefficient of continuous absorption of H—C plasma at 40,000°K and 70 ATM, 23:34402
  - Dependence of the temperature and pressure of the plasma of a capillary discharge with evaporating wall on the geometry of the capillary and the discharge current, 22:44126
  - Emissive powers of air, N_2, and CO_2 at temperature of approximately 10,000°K, 23:51638
  - Energy balance in capillary discharge with evaporating walls, 22:41613
  - Gas protection of quartz from heating by dense plasma, 24:6548
- OGURTZOV, V. V. Pulsed magnetic fields for accelerators and heat release and stress in field coils, 22:22494
  - Search for Dirac monopole at 70 GeV I.P.H.E. proton synchrotron, 24:24210
- OGUSHI, Akira Build-up factors for gamma-ray penetration through multiple layers of reactor shielding, 22:52841 (ORNL-tr-1906)
  - Buildup factors of gamma-ray penetration for multiple layers in reactor shielding, 22:18602
- OGUSHI, Ikuyo Radiation treatment of malignant tumors, 21:45691
- OGUSHI, Kozo Reactor safety studies based on AGR models, 23:15660
  - Safety of AGR, 24:24869
- OGUSHI, T. Linear and nonlinear V—I plots in vortex flow of thin films, 25:49849
  - Resistance anomaly at transition of type-I superconducting films, 24:6479
- OGUSHI, Terumune Experimental reactor with gaseous UF_6. I, 22:14267
  - Experimental reactor with gaseous UF_6. II, 22:14266
- OGUSHI, Tetsuya Flux flow as function of film thickness in Type-I superconductors, 25:36058
- OGUTI, T. Inter-relations among the upper atmosphere disturbance phenomena in the auroral zone, 21:27066
  - Interrelations of upper atmosphere disturbance phenomena in the auroral zone, 22:9222
  - Polar chorus emission and worldwide geomagnetic variation, 23:18516
  - Solar flare effect on VLF chorus, 23:25090
- OGUTI, Takasi Conjugate point problems, 24:6437
  - Discontinuity in diurnal variation of Whistler dispersion in low latitude, 21:9421
  - Electric coupling between the magnetosphere and the ionosphere, 25:58909
  - Features of magnetic storms related to the solar-wind structure, 23:3376
  - Hydromagnetic emissions associated with storm sudden commencements, 23:3377
  - Hydromagnetic emissions in high latitudes. II, 24:12714
  - Polar magnetic disturbances, 24:12713
  - Poleward travel of electric current filament in the polar cap region, 24:12703
  - Positive and negative correlations of geomagnetic fluctuations at conjugate-pair stations, 23:18519
- OH, B. Y. Analysis of $N^*(1500)$ and $N^*(1700)$ baryon resonances produced via diffraction dissociation, 25:59307
  - Antiproton—proton elastic scattering from 1.51 to 2.90 GeV/c, 25:50063
  - Di-pion production in high-energy π^-p collisions, 22:9512
  - I = 1 enhancement near 2360 MeV observed in anti NN kaon annihilation cross sections, 24:30442
  - Interpretations of $p\omega$ mass enhancement near threshold, in $\pi^-p \rightarrow \pi^-p\omega$ at 7 GeV/c, 24:49345
  - Momentum transfer spectrum in diffraction dissociation, 23:18904
  - New set of π—π phase shifts, 21:21228
  - Phase shifts π—π in region 1.0 to 1.4 GeV/c^2, 23:42562
  - Phase shifts $\pi\pi$ in 1.0- to 1.4-GeV region, 24:30521 (CONF-690521-, pp 75-92)
  - Piπ scattering up to 1.4 GeV of dipion mass, 24:37661
  - Properties of the g meson, 22:34858
  - Strange-particle production in 7 GeV/c π^-p interactions, 25:25333
- OH, Benedict Youngsoo Pion—pion interactions from 7-GeV/c π^-p, 24:10681
- OH, C. H. Khuri analysis of eta^{0}eta^0 Virasoro amplitude, 25:53162
- OH, In ki. Reaction (^{3}He,^{6}Li) on light nuclei, 25:31214
- OH, J. H. Mass-screening technique for obtaining bacterial blight resistant mutants in soybeans, 22:36246
- OH, Jae Kyun Zirconia production, 23:46115
- OH, Jeung Haing Effect of radiation on tobacco mosaic virus, 24:14631
- OH, S. W. Magnetic regenerator, 25:31104
  - Polarization in elastic scattering of 12-MeV deuterons by ^{12}C, ^{56}Fe, and ^{58}Ni, 22:27029
  - Polarization in the elastic scattering of 12.3 MeV deuterons, 24:43248
  - Stripping reactions and elastic scattering of 12 MeV vector polarized deuterons on ^{9}Be and ^{12}C, 25:38890
- OH, Saewoong Adiabatic transitions in a polarized deuteron source, 24:35756
- OH, Sin K. Radiation MHD effects on unsteady Couette flow, 24:6407
- OH, Won Radiocalcium-47 kinetic studies in dog, 23:38435
- OH, Yung Keun Phase contrast microscopic study on the induction of cellular deformation in mast cells, 22:43427
- O'HAIR, T. C. Graphite oxidation, 24:17341
- O'HALLORAN, M. J. Pituitary ablation for advanced carcinoma by transnasal implantation with radioactive yttrium, 22:51820
- O'HALLORAN, M. W. Whole-body counter for studies of total body K, 25:10910
- O'HALLORAN, Oliver Finbar Barry Flow measuring devices, 22:38164
- O'HALLORAN, T. Features of K^+d reaction at 3.8 GeV/c, 24:40258 (COO-1195-186)
  - Production of Ω^- hyperons in K^-p interactions at 5.5 BeV/c, 21:17041 (COO-1195-79)
- O'HALLORAN, T. A. K^+p elastic scattering at 2.53, 2.76, and 3.20 GeV/c, 24:40260 (COO-1195-191)
- O'HALLORAN, T. A. Jr. K^+p elastic scattering at 2.53, 2.76, and 3.20 GeV/c, 25:1407 (COO-1195-196)
  - K^+p elastic scattering in the backward direction at 2.76 GeV/c, 23:1604
  - Reaction $K^+p \rightarrow K^+\pi^+\pi^-p$ at 2.53, 2.76, and 3.20 GeV/c, 24:37660
  - Study of K^+-p interaction at 3.2 and 2.75 GeV/c, 22:48224 (COO-1195-130)
- OHAMA, K. Aberrant karyotypes and spontaneous abortion in a Japanese family, 24:32141
- OHAMA, Taro Design and performance of a broad range magnetic spectrograph, 23:42820
  - Experimental properties of high energy electron beam monitors, 23:38250
  - Sector type double-focusing beta ray spectrometer, 23:9740
- OHANIAN, H. C. Scalar-tensor theories and the principle of equivalence, 25:56569
- OHANIAN, Hans C. Gravitons as Goldstone bosons, 24:3757
  - Initial conditions in general relativity, 23:46826
  - Model for photons and gravitons based on broken symmetry, 23:44625
- OHANIAN, M. J. Dispersion law of a large, close-to-critical H_2O—UO_2 assembly, 23:37706
  - Dispersion of a 1.68-MeV neutron pulse in a lead prism, 25:41193
  - Eigenfunction analysis of neutron-wave propagation in moderating media, 21:44887
  - Experimental fast-neutron pulse propagation in iron, 23:37078
  - Experimental study of the effect of transverse boundaries on neutron-wave propagation, 24:7079
  - Hybrid solution of space- and energy-dependent reactor kinetics, 24:33510
  - Influence of small reactivity variations on pulse propagation phenomena, 24:7202
  - Measurement of neutron cross sections, 22:18105
  - Measurement of the emission coefficient of a uranium plasma, 24:6534
  - New technique for differential neutron cross-section measurements, 24:33101
  - Novel, high counting rate neutron detection system, 25:4354
  - Propagation of monochromatic neutron waves in fast, nonmultiplying media, 21:30116 (CONF-660206, pp 105-15)
  - Propagation of thermal neutron waves in heavy water, 22:29884
  - Pseudorandom pulse propagation in subcritical nuclear systems, 24:47901 (CONF-680980-, pp 71-85)
  - Pseudorandom pulsing of subcritical systems, 21:30125 (CONF-660206, pp 315-32)
  - Pulsed and modulated neutron experiments, 23:47243 (CNM-R-2(Vol.1), pp 573-93)
  - Quasi-monoenergetic fast-neutron pulse propagation in iron, 24:33097
  - Radiation from a uranium plasma, 23:36675
  - Reactor kinetics research, 24:16272 (BNL-50117, pp 166-73)
  - Space-time kinetics studies in a large, close-to-critical H_2O—UO_2 assembly, 23:37640
  - Spatial reactivity measurements in a large, close-to-critical H_2O—UO_2 assembly, 24:7213
  - Theory of fast reactor integral measurements by propagation methods, 21:35561 (ANL-7320, pp 714-23)
  - Thermal-neutron-wave propagation in a reflected assembly, 21:38185
- O'HANLON, H. Design of ISR inflector, 23:28109
- O'HANLON, J. Radiation damping of relativistic plasma oscillations, 23:46524
- O'HANLON, J. F. CaF_2 compensation of surface states in Ge(Li) detectors, 21:36379
- O'HANLON, John Covariant treatment of relativistic plasma oscillations in external magnetic field, 23:30225
  - Scalar hydrodynamics and gravitation, 23:30817
  - Stellar ages and an extended theory of gravitation, 24:42341
- O'HANLON, John David Static solutions of the combined Dirac—electromagnetic—gravitational field equations, 25:43703
- OHANNESIAN, O. A. Versatile and modular data acquisition system useful in nuclear experiments, 25:8483 (PH-1)
- OHANZHANYAN, E. E. Effect of radiation on the reproduction of cells of hemopoietic organs in various species of laboratory animals according to their radiosensitivity, 25:35217
- OHARA, Akira Radiolysis in aqueous solution of aromatic amino acids, 22:40571
  - Radiolysis of methionine in aqueous solution, 21:14275
- O'HARA, C. E. Effects of gamma irradiation on the dehydrogenase activities and on the proteins of irish grown wheats, 23:16435
- O'HARA, F. A. Calorimetric determinations of plutonium in bulk reactor materials, 25:48434 (CONF-710617-22)
  - High wattage calorimetry, 23:17850
  - Technical and economic parameters affecting fast breeder reactor deployment, 25:57061 (MLM-1851)
  - Use of calorimetry in nuclear materials management, 25:32166 (CONF-700541-, pp 101-21)
  - Water bath calorimeter no. 94, 21:36426 (MLM-1341)
- O'HARA, F. M. Jr. Bibliography with abstracts on carbon—carbon and associated composites, 25:6900 (ORNL-4598)
  - Publications, reports, and papers for 1967 from ORNL, 22:27520 (ORNL-3300(Vol.7))
  - Publications, reports, and papers for 1968 from ORNL, 23:43242 (ORNL-3300(Vol.8))
  - Publications, reports, and papers, 1966, 21:38829 (ORNL-3300(Vol.6))
- OHARA, H. Variations of cellular sulfhydryl content, 24:32150
- OHARA, Hiroshi Chromosome aberration and mitotic death in x-irradiated HeLa cells, 22:28410
- O'HARA, K. A. Radiation monitor, 24:4443
- OHARA, Kanji Epidemiological studies of leukemia in nine towns, 23:43844
  - Survival and repopulation of hemopoietic tissues of irradiated mice transplanted with bone marrow cells from cyclophosphamide treated donors, 25:19112
  - Survival and repopulation of hemopoietic tissues of irradiated mice transplanted with bone marrow cells from cyclophosphamide treated donors, 25:24367
- O'HARA, Margaret Vacancy and charge ordering in the Th_3P_4 structure, 25:1319 (CONF-700403-(Vol.1), pp 412-23)
- O'HARA, R. D. Shippingport operations during PWR Core 1 depletion, 12/57—2/64, 23:13372 (WAPD-294)
- O'HARE, P. A. G. Complete Hartree—Fock wavefunctions and one-electron properties for CF(^{2}PI), CF$^+$($^1\Sigma$), and CF$^-$($^3\Sigma$), and charge-density diagrams for CF and its component orbitals, 25:41624 (ANL-7806)
  - Hartree—Fock wave functions and computed one-electron properties for oxygen monofluoride (OF,^{2}PI) at six internuclear separations, 24:43869 (ANL-7702)
  - Prog. rpt. on thermochemical studies, semiannual, 1—6/71, 25:44367 (ANL-7821)
  - Sodium-fuel interactions, 25:32803
  - Thermochemistry of some uranium compounds, 22:31465

  - Thermodynamic properties of As_2, As_4, and some arsenic fluorides, 23:34951 (ANL-7456)
  - Thermodynamic properties of gaseous Ge_2, GeF_4, GeF_2, and GeF, 23:31244 (ANL-7523)
  - Thermodynamic properties of P_2, P_4, and some phosphorus fluorides, 23:24056 (ANL-7459)
  - Thermodynamic properties of some chalcogen fluorides, 23:13594 (ANL-7315)
  - Uranium diboride: preparation and thermodynamic properties, 23:41707
- O'HARE, S. A. Solubility of nitrogen in alpha vanadium, 25:55475
  - Vanadium—oxygen system, 24:32512
- OHASHI, Hachiro Method for graft-copolymerizing butadiene on to polyolefins, 21:127
- OHASHI, Hiroshi Determination of trace amounts of chloride in uranyl salts, 22:1974
  - Effects of halides on anodic polarization of zirconium in ammonium nitrate solution, 25:8832 (AEC-tr-7204)
  - Electrometric determination of stability constants of uranyl-chloride and uranyl-nitrate complexes with pCl-stat, 21:21927
  - Stability constants of chloro and nitrato complexes of thorium, 22:33310
- OHASHI, M. Magnetic properties of $DyAu_2$ and $DyAg_2$, 25:47664
- OHASHI, Michizo Radiotherapy of cancer of paranasal sinuses, 23:31861
- OHASHI, S. Behavior of He gas bubbles in neutron-irradiated Be, 24:14855
- OHASHI, Shigeo Effect of Zr addition on the oxidation resistance and mechanical properties of Fe—Al—Cr alloys, 25:13680
- OHASHI, Shigeru A-bomb disaster investigation within tunnel-type air raid shelter, 21:39158 (AEC-tr-6858, pp 14-17)
  - Beryllium-7 in rain water from Fukuoka, 21:8461
  - Gel chromatographic behavior of alkaline earth metal ions on Sephadex columns, 25:6410
  - Gel chromatographic behavior of some metal ions, 25:6409
  - Hot atom chemistry of solid inorganic phosphorus compounds: alkali and ammonium orthophosphates, 25:2302
  - Preparation of cyclic phosphates of U(VI), 24:16514
  - Thermal decomposition of uranyl dihydrogen orthophosphate trihydrate, 24:20782
- OHASHI, Teruo Effect of Fe and Si on age hardening properties of supersaturated solid solutions of Al—Zr alloy by rapid solidification, 24:42129
  - Effects of cooling rate and supercooling degree on Al—Mn, Al—Cr, and Al—Zr alloys, 25:55550
  - Effects of Cu, Mg, Mn, Si, and Zn on age hardening of chill cast Al—1 percent Zr alloy, 25:16511
  - Supercooling in the solidification of Al—Cr, Al—Mn, and Al—Zr binary alloys, 25:2733
- OHASHI, Y. Observations of approximately 15 GeV cosmic ray photons by means of spark—emulsion-chamber, 22:10559
- OHASHI, Yukako Microwave spectrum of methylene fluoride. Centrifugal distortion and molecular structure, 24:29257
- OHATA, Masahiko Fluorescent x-ray analysis of ferrosilicon, ferromolybdenum, ferrochromiun, ferrosilicon—magnesium, ferromanganese, and calcium—silicon, 22:43522
- OHATA, T. γ ray analysis on radioactive aerosol and dust in machine hall of a cyclotron, 25:53447
- OHATA, Tokiko Comparison of energy losses of protons and deuterons of exactly the same velocity, 22:35277
- OHATA, Tsutomu Characteristics of personal air samplers, 25:382
- OHAYON, M. Large heavy liquid bubble chamber, Gargamelle, 21:16114 (CONF-660918-, pp 100-1)
- OHBA, Ichiro Boson electromagnetic vertex function in Veneziano model, 25:17444
  - Composite particle model approach to the nonleptonic hyperon decays, 21:40265
  - Dynamical statistical model of high energy elastic scattering, 22:1452
  - Experimental analyses of SU(3) symmetry in high energy two-body and quasi-two-body scattering, 22:46490
  - Experimental test of SU(3) symmetry in high energy two-body reactions, 22:29739
  - Nonrelativistic composite particle model for mesons, 25:28030
  - Pi N inelastic processes, 22:17872
  - Pion—nucleon backward scattering at high energies and pion structure, 21:5392
  - Quark model and π N backward scatterings, 21:4050
  - Real to imaginary ratio of the forward scattering amplitude in charge exchange processes, 22:29707
  - Reggeized resonance model for Pomeranchuk terms, 24:47524
  - Self-consistent off-mass-shell amplitude from Veneziano model, 24:1568
  - Solitons and elementary particles, 25:25350
  - Veneziano-type vertex function and pion electromagnetic form factor, 24:12978
- OHBA, K. Radiosensitivity and induction of somatic mutations in woody perennials, 24:31928
- OHBA, Kihachiro Cross-fertility of pine pollen exposed to acute γ irradiation, 23:41499
  - Effects of x-rays on seeds of Scots pine, 21:11121
  - Varietal difference in somatic mutability of sugi, Cryptomeria japonica D. Don, 25:52029
- OHBA, Satoru Isosensitive radioisotope scanning, 21:10972
  - Simultaneous performance of isosensitive scanning and bilaminoscanning, 21:10973
- OHBA, Shigeru Sex ratio in progeny from irradiated males in Drosophila melanogaster, 22:15102
  - Sex-ratio in progeny from irradiated male Drosophila, 21:24395
- OHBA, Yukio Rolling workability of pure W single crystals, 25:29877
- OHBAYASHI, Isao Recent instruments for therapy planning. III, 25:46657
- OHBU, Koji Observations for proton flare project 1969. II, 24:35114
- OHBUCHI, Shinji Suppression of antibody formation by RES blockade. II, 23:38440
  - Suppression of antibody formation by RES. II, 23:47980
- OHDAN, Koji Radioinduced polymerization in emulsion system. I, 24:11558 (JAERI-5022, pp 37-44)
  - Stability of polyvinyl acetate emulsions produced by radiation-induced polymerization. I, 25:10593 (JAERI-5026, pp 15-25)
- OHDE, John Computer environment report, 22:50881 (ANL-7408)
- OHDOMARI, Iwao Analysis of radiation-enhanced diffusion of aluminum in silicon, 24:10605
  - Anneal behavior of aluminum-implanted germanium, 25:45575
- OHE, Marianne v. d. Early tumor localization in skeleton with ^{85}Sr, 21:34717
- OHE, T. Parametric excitation of ion-acoustic waves in a bounded plasma, 25:40709
- O'H-EIDHIN, M. Stability constants of polyvalent cations and aromatic arsonic acids. II, 24:2206
- OHGUCHI, Yasutomo Ion collection by a cylindrical probe in a weak magnetic field, 24:12794
- OHGUSHI, Akira Energy loss distribution of recoil protons in stilbene scintillator, 24:50564
  - Gamma-ray streaming through multibend cylindrical ducts, 23:7028
- OHI, M. Design and construction of PIACE, 25:30587 (EUR-4593, pp 431-41)
- OHIGASHI, Hiroji Electron spin resonance of radical pairs in x-irradiated single crystals of clathrate complex of hydroquinone with acetonitrile, 21:21974
  - Electron spin resonance of radical pairs in x-irradiated clathrate compounds of hydroquinone, 23:47481
  - Electron spin resonance of x-irradiated single crystals of zinc acetate dihydrate: hindered rotation of methylene group in free radical CH_2COO^-, 22:40140
  - Optical and thermal conversion of V/sub k/ centers in x-irradiated hydroxylammonium chloride, 23:19800
- OHINATA, K. Eradication of oriental fruit fly, 24:23417
  - Hawaii food irradiation program for the period June 1, 1966—June 30, 1969, 25:21987 (NVO-374-17(Vol.1))
  - Hawaii food irradiation program, raw data appendices for the period June 1, 1968—June 30, 1969, 25:21986 (NVO-374-17(Vol.2))
  - Radiation-sterilization of the Mediterranean fruit fly (Diptera: tephritidae): Comparison of spermatogenesis in flies treated as pupae or adults, 25:42751
  - Recent research in Hawaii on the Mediterranean fruit fly, 25:24507
  - Sterilization of the Mediterranean fruit fly by irradiation: comparative mating effectiveness of treated pupae and adults, 25:49278
- OHINATA, Kiichi Calibration of low-dose irradiation tube, 23:9943 (UH-235-P-5-3, pp 155-8)
- OHIRA, Ichiro Biological dosimetry at the time of a radiation exposure, 21:32646 (JAERI-4040)
  - Health administration at JAERI, 22:19355 (JAERI-1150)
- OHIRA, Kyozo Automatic analysis of internal-conversion electron spectra with an electronic computer, 23:23752 (KURRI-TR-14)
  - Measurement of life time of nuclear level. I, 24:19273
- OHISA, Tadao All-transistorized electronic instruments for nuclear reactors, 23:43160
- OHISHI, Nobuko Kinetic isotope effect on the reaction of D-amino-acid oxidase, 24:22638
- OHJI, Michio Excitation temperature measurements of induction-coupled argon plasmas, 23:25305
  - Preliminary experiment of the induction-coupled argon plasma at atmospheric pressure, 21:35191
  - Preliminary experiment on the induction-coupled argon plasma at atmospheric pressure, 22:12689
- OHJI, Takayoshi Moving striations and helical oscillation in a longitudinally magnetized positive column, 21:9588
- OHKAKU, Noboru Metal isotope effect on metal—ligand vibrations. VI. Metal complexes of 8-hydroxyquinoline, 25:26234
- OHKAWA, T. Comparative study of plasma in toroidal quadrupole and octopole configurations, 22:36956
  - Drift wave transmission in a magnetic quadrupole configuration, 22:15517 (GA-8074)
  - J-mirror, magnetic bottle, 23:8586
  - Low-frequency interchange instability in an average well, 23:1499
  - Model for plasma confinement time in stellarators, 23:25288
  - New methods of driving plasma current in fusion devices, 24:35480
  - Plasma confinement in dc octopole, 24:10504
  - Plasma instabilities in Gulf General Atomic multipole devices, 23:7025 (GA-8669)
  - Plasma instabilities in Gulf General Atomic multipole devices, 23:32477
  - Plasma—current multipole experiments, 23:32445
  - Prog. rpt. on controlled thermonuclear research program, 7—12/67, 23:5369 (GA-8526)
  - Prog. rpt. on controlled thermonuclear research program, annual, 7/67—7/68, 23:20879 (GA-9003)
  - Prog. rpt. on controlled thermonuclear research program, annual, 8/68—7/69, 23:51683 (GA-9674)
  - Prog. rpt. on controlled thermonuclear research, 8/69—7/70, 25:7410 (GA-10278)
- OHKAWA, Tihiro Convection cell produced by low-frequency flute instabilities, 25:27734
  - Drift-cyclotron instability with trapped particles, 23:30863
  - Enhanced transport in toroidal plasma devices due to magnetic perturbations, 25:47536
  - Experimental observation and theoretical interpretation of low-frequency interchange instability in "average minimum-B" configurations, 22:7334
  - Magnetic wells produced by a beam current, 22:31878
  - Observation of fluctuations in the plasma confined in the toroidal octopole, 22:44160
  - Parameter studies for Tokamaks and Doublets, 25:17131
  - Plasma confinement in a toroidal quadrupole, 23:44389
  - Plasma confinement in general atomic toroidal octopole, 22:17609 (GA-8141)
  - Plasma confinement in the dc octopole, 25:38325 (CONF-710607-3)
  - Plasma confinement in the general atomic toroidal octopole, 22:52734
  - Plasma confinement in the toroidal multipole, 22:7260
  - Plasma convection produced by ion-driven drift instability, 25:27735
  - Plasma fluctuations in Gulf General Atomic quadrupole device, 24:35488
  - Plasma transport and fluctuations in a toroidal quadrupole, 23:36643 (GA-9226)
  - Prog. rpt. on controlled thermonuclear research, 8/70—7/71, 25:59073 (GULF-GA-A-10807)
  - Pulsed coil system for guiding and injecting plasma into General Atomic toroidal octopole, 22:19926 (GA-7423)
  - Pulsed-coil system for guiding and injecting plasma into the General Atomic toroidal octopole, 21:30585 (CONF-661016, pp 229-34)
  - Toroidal MHD equilibrium with a small aspect ratio, 23:12619
- OHKAWARA, Akira Uv light and glycogen formation in man, 21:36492
- OHKI, K. Location and size of a solar hard x-ray burst on Sept. 27, 1969, 25:27384
  - Moessbauer effect in ^{61}Ni, 24:32934
  - Radiochemical preparation of ^{61}Cu source, 23:40742
- OHKI, Ken-ichiro Directivity of solar hard x-ray bursts, 23:34222
- OHKI, Morimatsu Flow of conducting fluids in pipes under magnetic fields. II, 24:8379
- OHKITA, Takeshi Epidemiological studies of leukemia in nine towns, 23:43844
  - Survival and repopulation of hemopoietic tissues of irradiated mice transplanted with bone marrow cells from cyclophosphamide treated donors, 25:19112
  - Survival and repopulation of hemopoietic tissues of irradiated mice transplanted with bone marrow cells from cyclophosphamide treated donors, 25:24367
- OHKUBO, K. Absorption of electrostatic wave in bounded plasmas, 25:49946
  - Electron cyclotron wave and electrostatic wave in bounded plasmas, 25:36241
- OHKUBO, Kunizo Instability near electron cyclotron harmonic frequencies in beam—plasma system, 23:34421
  - Nonlinear interaction of Bernstein waves in a beam—plasma system, 25:25189
  - Observation of a turbulence-like spectrum in a beam—plasma system, 22:52819
- OHKUBO, M. Effect of electron density distribution in plasma waveguides, 21:31408
  - Effect of scattered neutrons from photomultipliers on the neutron spectrum measured by ^{6}Li glass scintillators, 23:642
  - Processing and analysis of neutron transmission data and considerations of the accuracy, 22:18104
  - Surface waves in warm plasma-loaded waveguides, 22:34689
- OHKUBO, Makio Beam monochromation system for bunched beam, 24:3818
  - Neutron resonance of ^{59}Co at 132 eV, 24:22127
  - Nonrandom distributions of neutron resonance levels, 25:28421
- OHKUBO, Matoaki Reflection of electromagnetic waves from the boundary of a semi-infinite plasma, 23:51740
- OHKUBO, Motoaki Radiation from an electric dipole in a column of anisotropic plasma, 23:30551
  - Radiation into a plasma from a magnetic line source on a conducting plane, 22:46152
- OHKUBO, Y. Nuclide metabolism in juvenile mammals, 24:23080 (CONF-690501-, pp 217-26)
- OHKUBO, Yoshio Transfer of ^{90}Sr through placenta and mother's milk. I, 21:22320
  - Transfer of ^{90}Sr through placenta and mother's milk. II, 22:450
- OHKUMA, Haruo Nucleic acids of penicillin-induced filament cells and their ultraviolet inactivation, 21:24686
- OHKUMA, J. Tape recorder I/O operation in PDP-8 controlled β-ray spectrometer system, 22:47364
- OHKUMA, Juzo Nanosecond pulsed electron accelerator, 25:53443
- OHKURO, Shigeru Differential forms and Maxwell's field, 24:35690
- OHL, A. I. Manifestation of 11-yr cycle of solar activity in brightness of nightglow, 23:3389
- OHL, Rolf Activity of respiratory protection working group, 25:6235 (LA-4442-TR)
- OHLE, K. H. Variation of nighttime value of cosmic noise measurements at 24.95 MHz, 21:41921
- OHLE, K.-H. Effect of solar eclipse of May 20, 1966, on absorption of cosmic noise, 22:22016
- OHLEN, G. New type of fission-isomeric state, 24:13406
- OHLEN, Gunnar Odd-particle effect on the fission barrier, 25:28314 (CERN-70-30(Vol.2), pp 700-8)
- OHLENDORF, W. Confinement of contact-ionized barium plasma, 23:32335
  - Investigation of the minima in the particle confinement time in the Wendelstein IIa stellarator, 25:38370 (CONF-710607-103)
  - Measurement of barium vapor density, 23:4591 (IPP-2/71)
- OHLENKAMP, R. M. Availability assessment of nuclear plants, 23:19470
- OHLENSCHLAEGER, L. First aid measures in radiation accidents, especially on radioactively contaminated wounds, 25:11109
  - Surgical treatment of alpha-contaminated injuries, 25:37782 (EUR-4612, pp 563-72)

OHLENSCHLAEGER, Lothar Contribution of radioactive contaminated wounds to surgical supplies, 23:31829
OHLINGER, R. D. Mass spectrometric determination of ^{234}U in UF$_6$ samples, 21:38874 (NLCO-1001, pp 2.1-3)
OHLINGER, Richard D. Development of uranium isotopic analytical program at USAEC Feed Materials Production Center, 24:20714 (NLCO-1045)
OHLMER, E. Combustible element for nuclear reactors with pressure tubes, 22:1899
Device and method for the heat insulation of reactor channels, 23:6010
Experimental investigation of loop caused influences on parallel flow-induced vibration of fuel pins, 25:44119 (EURFNR-923)
Experimental investigation of loop caused influences on parallel flow-induced vibration of fuel pins, 25:48249 (KFK-1385)
Vibrations of various fuel rod models in parallel flow, 22:48688
OHLMER, Eggert Device and method for the heat insulation of reactor channels, 22:18612
Device for monitoring the structural continuity of thermally insulating layers in nuclear reactors, 21:5716
Fuel element for nuclear reactors with pressure tubes, 21:19442
System for functional supervision of heat-insulating layers in nuclear reactor channels, 23:15753
OHLMS, D. E. Energy dependent beta—gamma circular polarization and nuclear matrix elements of ^{86}Rb, 24:38135 (COO-1746-42)
Energy-dependent beta—gamma circular polarization of ^{140}La, 24:38263
Energy-dependent beta-gamma circular polarization and nuclear matrix elements of ^{86}Rb, 25:34037
OHLMS, Daniel Edward Energy dependence of beta—gamma circular polarization correlation in ^{140}La, 24:45793
OHLSEN, G. G. Absolute beam polarization determination for LASL Lamb-shift source, 25:53473
Absolute deuteron-polarization measurement, 23:13199
Analyzing power of T(d Vector,α)n reaction at low energies, 25:53556
Comparison of double scattering and polarized ion source measurements of ^{4}He(d,d)^{4}He polarization at 11.5 MeV, 25:5510 (LA-4465, pp 3.1-3)
Considerations on polarized neutron production by (d Vector,n Vector) polarization transfer reactions at zero degrees, 25:53848
Depolarization and emittance degradation effects associated with charge transfer in a magnetic field, 23:44766
Deuteron—α double scattering, 21:29871
Double scattering and polarized ion source measurements of ^{4}He(d,d)^{4}He polarization at 11.5 MeV, 25:53582
Elastic scattering of several hydrogen and helium isotopes from tritium, 22:20435
Figures of merit for polarized deuteron beams, 25:53475
Formalism for A(d Vector,n Vector)B and A(d Vector,p Vector)B polarization transfer reactions, 25:53847
Formalism for A(p Vector,p Vector)A and A(d Vector,d Vector)A polarization transfer, 25:53849
Measurements of neutron polarization from D(d Vector,n Vector)^{3}He reaction, 25:53545
Neutron polarization in T(d,n)^{4}He reaction, 25:53558
Neutron polarization in the T(d,n)^{4}He reaction using a polarized incident beam, 25:5513 (LA-4465, pp 12.1-2)
Performance of LASL polarized source, 25:53468
Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:53859
Proposal for Lamb-shift polarimeter, 25:53474
Quadratic relations between T(d Vector,n Vector)^{4}He observables, 25:53559
Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:53860
Source of polarized negative hydrogen and deuterium ions, 23:21208
Tensor polarization of deuterons in alpha-deuteron elastic scattering, 21:1021
Transfer matrix method for calculating spin aberrations in the transport of polarized beams, 25:53476
OHLSEN, Gerald G. Absolute beam polarization determination for the LASL Lamb-shift source by the quench ratio method, 25:5453 (LA-4465, pp 10.1-2)
Analyzing power of the T(d,α)n reaction at low energies, 25:5525 (LA-4465, pp 34.1-2)
Considerations on polarized neutron production by (d,n) polarization transfer reactions at 0°, 25:5805 (LA-4465, pp 26.1-2)
Design of a solenoid for a Lamb-shift polarized-ion source, 23:22116 (LA-4082)
Experimental study of excited ^{4}He, ^{4}He, and ^{4}Li nuclear systems, 21:44553
Figures of merit for polarized deuteron beams, 25:5455 (LA-4465, pp 23.1-2)
Formalism for A(d,n)B or A(d,p)B polarization transfer reactions, 25:5803 (LA-4465, pp 20.1-2)
Formalism for A(p,p)A and A(d,d)A polarization transfer, 25:5804 (LA-4465, pp 21.1-2)
Formalism for the [polarized] T(d,n)^{4}He and ^{3}He(d,p)^{4}He reactions, 25:59837 (LA-4492)
Highly polarized neutrons from the s-wave reactions T(d,n)^{4}He and D(t,n)^{4}He, 22:9777
Los Alamos lamb-shift polarized ion source, 25:7773 (LA-4451)
Majorana depolarization of hydrogen, deuterium, or tritium atoms, 22:52476 (LA-3949)
Measurement of the vector and tensor analyzing power of d—^{4}He elastic scattering at 12 MeV, 25:5553 (LA-4465, pp 25.1-2)
Nuclear spin filter, 22:32483
Operation of a radio-frequency nuclear spin filter, 23:37038 (LA-4112)
Performance of the LASL polarized source, 25:5452 (LA-4465, pp 9.1-2)
Polarization transfer in reaction T(d,n)^{4}He at 0° from 3.9 to 15 Mev, 24:52413
Precise method for the determination of secondary standards for deuteron analyzing tensors, 25:5806 (LA-4465, pp 27.1-6)
Precise proton-polarization standards determined with Lamb-shift ion source incorporating nuclear spin filter, 25:48019
Preliminary measurements of neutron polarization from the D(d,n)^{3}He reaction using a polarized incident beam, 25:5514 (LA-4465, pp 13.1-2)
Proposal for a Lamb-shift polarimeter, 25:4391 (LA-4465, pp 17.1-6)
Quadratic relations between the T(d,n)^{4}He observables, 25:5519 (LA-4465, pp 22.1-2)
Rapid method for the measurement of analyzing tensors in reactions induced by polarized deuterons, 25:5802 (LA-4465, pp 11.1-2)
Reaction D(d,n)^{3}He at 0° with polarized beam, 25:43789
Search for states in the three-neutron and triton systems, 23:15350
Search for the ground state of reaction ^{3}H(t,p), 22:50524
Study of ^{3}He(d,d)^{3}He scattering at 10 and 12 MeV, 25:5520 (LA-4465, pp 24.1-2)
Study of reactions D(d,d)D, D(d,p)T, and D(d,n)^{3}He with polarized deuterons, 23:19153
Study of the ^{3}He(d,p)^{4}He reaction, 25:5512 (LA-4465, pp 6.1-2)
Theory of a radio-frequency "spin filter" for a metastable hydrogen, deuterium, or tritium atomic beam, 22:2777 (LA-3725)
Transfer matrix method for calculating spin aberrations in the transport of polarized beams, 25:5454 (LA-4465, pp 18.1-16)
OHLSEN, H. Determination of mean population burden from natural external radiation in G.D.R, 24:21102 (SZS-14/69)
Determination of mean population burden from natural external radiation in Soviet zone of Germany, 25:32391 (AEC-tr-7216)
Determination of population burden by natural external radiation, 24:48532
Determination of the population burden from natural external radiation on the territorium of the G.D.R, 21:18050
Enviromental radiation in GDR, 21:28493
Natural radiation burden to man from external sources, 21:6614 (SZS-10/66)
OHLSEN, Sally Programs for computer control of EPA, 22:37215 (LA-DC-9415)
OHLSEN, W. D. EPR studies of Ti interstitials in n-type rutile, 22:9421 (COO-1284-6)
ESR spectra of hole-trap centers in irradiated single-crystal calcite, 24:8527
OHLSON, J. E. Transient Faraday rotation phenomena observed during solar occultation, 24:4951
OHLSSON, H. Anomalous rotational band in ^{161}Er, 23:28314
OHLSSON, Harriet E0 and E0+M1+E2 transitions of ^{178}Hf, 25:36760
OHLWILER, Robert William Moessbauer recoilless fraction of gold, 23:7031 (UCRL-50477)
OHMAE, T. Weld cracking and mechanical properties of 17 percent chromium steel weldment, 25:13696
OHMAE, Tadayuki Conformation and reaction of stereoisomeric radicals trapped in irradiated cis- and trans-cyclohexane-1,2-diol, 21:17678
ESR study of irradiated cyclic hydrocarbons in solid state, 21:12474
OHMAN, Y. Flare spray at solar limb on July 11, 1966, 21:46082
OHMAN, Yngve Observations of sunspots using shearing interference of the diffraction image, 22:15286
Spectrographic observations of dark surges and mottles at the solar limb, 22:15287
OHMASA, Masaaki Survey of film developers adapted for x-ray intensity measurements, 25:37234 (SC-T-713035)
OHMER, M. C. Dependence of the high-field flux-flow resistivity upon the sample demagnetization factor in type-II superconductors, 24:47153
OHMER, Melvin C. Effects of oscillatory magnetic fields on the flux flow properties of superconducting foils, 25:1105
Voltages induced in superconductors by superimposed ac and dc magnetic fields, 25:11835
OHMER, Melvin Charles Voltages induced in superconductors in superimposed ac and dc magnetic fields, 25:25052
OHMI, Tetsuo Mobility of negative ions along superfluid vortices, 25:52736
Phase separation in rotating helium, 23:44355
Superfluid vortex trapping neutral impurities, 23:44354
OHMICHI, T. Recovery of the basal plane electrical resistivity in electron-irradiated pyrolytic graphite, 23:8364
OHMICHI, Toshihiko Changes of physical and mechanical properties of graphite in the Tokai Nuclear Power Station, 25:32861
Electrical properties of uranium carbonitride, 23:27701
Magnetic susceptibility of uranium carbonitride, 24:32922
Magnetic susceptibility of uranium carbonitride and oxycarbide, 25:45585
Oxidation of UC and UN powder in air, 23:6718
Thermal diffusivity of U by laser pulse method from 20° to 850°C, 22:31946
OHMOMO, Y. Distribution of ^{203}Hg-labeled methyl mercury and phenyl mercury in pike, 25:37716 (CONF-690527-, Paper 4)
Environmental considerations and public acceptance aspects of nuclear plant site selection in coastal area in Japan, 24:45923 (CONF-700810-42)
Recent waste management program in Japan and the studies on behavior of radionuclides in marine environment for hazard evaluation of sea waste disposal, 25:51651 (A/CONF.49/P-850)
OHMOMO, Yoichiro Deposition of ^{131}I on plant leaves. I, 25:24136
Secretion and distribution of ^{131}I in milk from dairy cow, 24:36691
OHMORI, E. Summary and remarks on sample irradiations, 22:12124
Summary of in-pile loops at JAERI, 22:12120
OHMORI, Kazuhiko Magnetic susceptibility and electronic specific heat of transition metals and alloys. IX, 21:2305
OHMORI, Kazuo Vertebral column of inbred mice treated with x-rays or FCdR, 25:26997
OHMORI, Toshio Pairwise trapping of radicals in irradiated n-hydrocarbons and related compounds as studied by electron spin resonance, 23:21753
Pairwise trapping of radicals in irradiated high polymers as studied by electron spin resonance, 23:21752
Trapped electrons in γ-irradiated polycrystalline n-hydrocarbons, 23:2340
OHMURA, H. Proton widths of excited states in ^{29}P by the ^{28}Si(^{3}He,d)^{29}P reaction, 21:7753
Reaction (^{3}He,d) on ^{116}Sn, ^{118}Sn, and ^{120}Sn, 22:3734
Reactions ^{56}Fe(p,p) and ^{56}Fe(p,p'), 22:27053
OHMURA, Haruko Nuclear structure of ^{46}Ti by reaction ^{45}Sc(^{3}He,d), 23:3978
Nuclear structure study of ^{141}Pr and ^{143}Pm, 24:20403
Reaction ^{37}Cl(p,γ)^{38}Ar, 21:29929
OHMURA, T. Coupled-channel studies of (d,p) reaction, 22:27356
Validity of DWBA for (d,p) reactions, 24:3869
OHMURA, Takashi Decaying state and resonance scattering, 21:35508
Deuteron stripping reaction by coupled channel theory. I, 23:40144
Deuteron stripping reaction by coupled channel theory. II, 24:43488
Effects of Coulomb repulsion on electromagnetic radii of ^{3}H and ^{3}He nuclei, 22:5756
Ground-state wave function of ^{3}H and ^{3}He nuclei, 22:26815
Isobaric-spin-$^{3}/_{2}$ states and intermediate symmetry states, 23:39934
Resonance in elastic scattering of slow electrons by He, 24:15154
Resonance scattering in terms of decaying state, 22:27345
Study of deuteron stripping reaction by coupled channel theory. III, 25:31210
Symbolic calculation code for nuclear three-body problem, 25:33964
OHMURA, Yamichi Shallow donor state produced by proton bombardment of silicon, 25:27847
OHMURA, Yoshihiro Theory of x-ray Raman scattering, 21:16998
OHMURO, Hiroshi Superhigh voltage irradiation of bladder tumor, 25:26876
OHNEDA, Akira Extraction of plasma insulin in radioimmunoassay, 25:4420
OHNESORGE, W. F. Yield, energy, and angular distibutions of neutrons produced in graphite, Cu, and Ta targets irradiated with 63-MeV protons, 22:33822
OHNESORGE, William E. Th(IV)—8-quinolinol complexes: their composition, 24:18977
OHNISHI ESR spectra of irradiated proteins, 23:17455 (JAERI-5018, pp 41-4)
OHNISHI, A. Elution requirements for ion-exchange separation of uranium isotopes, 25:23693
OHNISHI, H. Confinement of collision-dominated plasma, 23:32316
Shell-structured electron-cyclotron plasma in a mirror machine, 23:18622 (CONF-680113-(Vol.1), pp 429-55)
OHNISHI, Haruyuki Acceleration mechanism of energetic electrons in the theta pinch, 25:1164
Axial behavior and confinement of plasma in the mirror-field theta pinch, 25:30464
Burst of hot electron in a microinstability, 23:8636
End stabilization effect in the slow theta pinch, 22:1264 (LA-3770, Paper A7)
End stabilization effect in the slow theta pinch, 22:7331
Hard x rays emitted from the theta pinch, 22:46167
Heating in low density theta-pinch plasma, 24:6514
High-temperature electron plasma by slow mirror theta pinch, 25:59021
OHNISHI, Koichi Potentiometric determination of plutonium in the presence of uranium, 25:26
OHNISHI, Masako Hydrogen exchange. VI, 23:40623
Studies on H exchange. III, 21:23868
OHNISHI, Naoki Life time of "shape isomer", 22:48583 (JAERI-1158, pp 118-19)
OHNISHI, Nobuaki Effect of reactivity feedback on reactivity accidents in light water power reactor, 25:46284
Fast transient analysis for light water power reactor by EUREKA, 25:23311 (JAERI-1201)
OHNISHI, S. Post crosslinking of polystyrene-formed materials by irradiation, 24:31374
OHNISHI, Shun-ichi Conformation and reaction of stereoisomeric radicals trapped in irradiated cis- and trans-cyclohexane-1,2-diol, 21:17678
Electron spin resonance studies of irradiated boron compounds. II, 22:8135
Electron spin resonance studies of irradiated boron compounds. II, 22:42721 (AEC-tr-6937, pp 192-201)
Electron spin resonance study of an irradiated single crystal of boric acid, 22:8112 (AEC-tr-6908, pp 237-44)
ESR spectra of irradiated beryllium acetylacetonate single crystal, 25:10623 (JAERI-5026, pp 157-60)
ESR study of adsorbed monomer and dimer cation radicals of benzene and its methyl derivatives, 25:46518

- ESR study of γ-irradiated NH_3—silica gel system, 24:11553 (JAERI-5022, pp 6-12)
- ESR study of γ-irradiated pyridine—silica gel system, 25:10622 (JAERI-5026, pp 6-10)
- ESR study of irradiated cyclic hydrocarbons in solid state, 21:12474
- ESR study of irradiated organic phosphorous compounds, 21:19706
- ESR study of irradiated organic phosphorus compounds at low temperature, 22:8111 (AEC-tr-6908, pp 216-36)
- ESR study of irradiated polyethers, 22:8134
- ESR study of irradiated polyethers, 22:42720 (AEC-tr-6937, pp 184-91)
- ESR study of irradiated single-crystal of boric acid, 21:19707
- Formation of dimer cations of toluene and p-xylene in the adsorbed states, 24:11552 (JAERI-5022, pp 1-5)
- Gamma-ray irradiation facility for biochemical research, 21:12556
- Irradiation effects of gramicidin, 24:11579 (JAERI-5022, pp 185-9)
- Irradiation effects of oxytocin, 25:10625 (JAERI-5026, pp 164-7)
- Radiation chemistry in adsorbed states. II, 23:17457 (JAERI-5018, pp 51-4)
- Radiation chemistry in adsorbed states. I, 23:17456 (JAERI-5018, pp 45-50)
- Radiation effects on gramicidin. II, 25:10587 (JAERI-5026, pp 167-8)
- Radiation effects on some metal acetylacetonates, 24:11577 (JAERI-5022, pp 175-9)

- OHNISHI, Shunji Post-crosslinking of formed polymers by irradiation. II, 25:44387
  - Post-crosslinking of formed polymers by irradiation. I, 25:44386
- OHNISHI, T. Application of finite element solution technique to neutron diffusion and transport equations, 25:57159 (CONF-710302-(Vol.2), pp 723-38)
  - Experimental studies of microparameters of clusters of seven nuclear superheat reactor fuel rods, 22:10067
  - Experimental studies of UO_2—H_2O lattices of uniformly arrayed rods and clustered elements, 22:22760
  - Statistical construction of resonance structure, 24:33157
- OHNISHI, Tadahiro Physics studies on BWR void simulated cores. I, 23:45061
  - Resonance structure in unresolved region, 24:15908
  - Statistical construction of resonance structure in unresolved resonance region. II, 25:46046
- OHNISHI, Teruaki Distribution of molecular weight in radioinduced solid-state polymerization. I, 23:11573
  - Odd—even structure of elemental abundance curve, 24:51299
  - Process (r) nucleosynthesis of ^{12}C seed nucleus, 24:46892
  - Radio induced solid state polymerization. II, 23:45323
- OHNISHI, Tokuhiro Characteristics of lead foil screens in Linac x-ray radiography. I, 23:38212
  - Fast neutron detector using insulating materials. I, 22:43068
  - Gamma-ray detector using insulating materials. III, 22:12656
  - New gamma-irradiation facility, 24:39121
  - Van de Graaff type positive-ion accelerator of ORC, 22:13887
- OHNIWA, Kohji Coherent domains in some parameter spaces inherent in a beam—plasma regime, 21:37463
  - Non-linear phenomena in beam-plasma interaction, 21:15177
- OHNMACHT, Cyrus J. Nuclear magnetic resonance spectra of some polynuclear thiapyrylium cations, 21:25828
- OHNO, A. Status of isotope applications in Japanese industry, 24:31283
- OHNO, Akira Response functions and measurement of line spread functions in γ-ray radiography, 22:49150
- OHNO, H. Application of neutron activation analysis to stack-gas tracing, 22:14697
  - Status of isotope applications in Japanese industry, 24:31283
- OHNO, Katsumi Determination of Hf in Zr alloys, 23:15815
  - Determination of Hf in Zr alloys, 23:19637
- OHNO, Keiichi In-pile calorimetric dosimetry. II, 22:6169
  - In-pile calorimetric dosimetry. I, 21:22216
  - Structure of trans ethyl methyl ether and the W form of diethyl ether, 25:29072
  - Study of thermal decay of trapped electrons and other species in an organic glass by rapid-scan electron spin resonance, 24:41364
- OHNO, S. Determination of fluorine in urine by photonuclear-activation analysis, 24:20740
  - Determination of iodine and bromine in biological materials by neutron-activation analysis, 25:44344
  - Distribution and excretion of inhaled Eu, 24:31819
  - Rapid determination of ^{13}N and ^{18}F in reactor cooling water by an ion-exchange method, 24:25010
  - Separation of carrier-free ^{48}V from deuteron-bombarded titanium, 24:31345
  - Simultaneous determination of copper and manganese in plants by neutron-activation analysis, 25:10509
- OHNO, Seigo Kinetic studies of catalytic ortho-parahydrogen conversion and hydrogen—deuterium equilibration on γ-alumina, 23:7544
- OHNO, Shigeru Determination of europium in biological materials by neutron activation analysis, 25:37332
  - Enrichment procedure for analysis of tritium in natural water, 22:42831
  - Production of carrier free ^{32}P by photonuclear reaction of chlorine, 25:185
  - Simultaneous determination of As and Sb in soil by neutron activation, 25:10506
  - Tritium concentration in wine, rain, and ground water, 24:9252
- OHNO, Shin Decomposition of cuprous thiocyanate by electron bombardment, 24:5698
- OHNO, Shin-ichi H/D isotope effect in ($e^- + H_3O^+$) reaction, 22:47131
  - Hydrogen isotope effects arising from the reaction of hydrated electrons, 21:3088
  - Oxidation of carbon monoxide on nickel oxide and zinc oxide: effect of preliminary ^{60}Co gamma ray irradiation, 22:42727 (RFP-Trans-31)
  - Polarographic study of the x-ray-induced reduction of uranyl ions in aqueous solution, 25:37416
  - Radiolysis of aqueous ferro- and ferricyanide solutions, 22:10304
- OHNO, Tadao Experimental fast reactor Joyo, 25:60176
  - Experimental fast reactor Joyo, 25:60174
  - Fast flux irradiation program in Japan, 24:41010 (TRG-Report-1911, pp 44-58)
  - Fast flux test facilities planned for Japan experimental fast breeder reactor, 24:41053 (TRG-Report-1911, pp 519-30)
- OHNO, Takahiko Calculation of fission product concentration in water and release rate of radioactivity into off-gas in a boiling water power plant, 25:48295
- OHNO, Yoshihisa Determination of U content of the U—Al alloy by detecting fission neutrons, 25:41 (JAERI-Memo-4106)
  - Parameters of the 0.099-eV neutron resonance in ^{149}Sm, 23:21338
- OHNUKI, Y. Comment on the Kademova—Kraev method of field quantization, 25:47941
  - Conservation of the number of fermions, 23:21148
  - General properties of para-Fermi field theory, 22:37188
  - Laser micro-irradiation of chromosomes, 24:34264
  - Quantum mechanics of identical particles, 24:33043
- OHNUKI, Yoshio Bound states and their statistics in para-field theory, 21:13730
  - Dynamics of hadron and urbaryon, 24:30519
  - General theory of chiral transformations, 23:25680
  - Mass levels of higher meson resonances, 21:17155
- OHNUKI, Yuji Photoproduction of two neutral pions from hydrogen near threshold, 25:19890
- OHNUMA, Akihiko Protease inactivation by γ irradiation, 24:34080
- OHNUMA, H. Elastic scattering of 55-MeV protons from heavy nuclei, 21:15598
  - Energy levels in ^{33}P, 23:49358
  - Experimental study of (d,^{3}He) reaction on even-A isotopes of Mo, 23:15443
  - Experimental study of (d,t) reaction on even-mass Mo isotopes, 23:31013
  - Intermediate coupling model and shell-model description of ^{53}Cr and ^{55}Fe, 25:25695
  - J dependence for l = 1 nucleon transfer, 22:7781
  - Level structure of ^{44}Sc, 22:26983
  - Level structure of ^{44}Sc from the $^{44}Ca(^3He,t)$ reaction, 24:24537
  - Levels of ^{44}Sc from $^{45}Sc(d,t)^{44}Sc$ reaction, 25:25671
  - Nuclear structure of ^{44}Sc, 25:12452
  - Nuclear transfer reactions on Mo isotopes, 22:27200
  - Reaction $^{30}Si(\alpha,\alpha'\gamma)^{30}Si$, 24:52483
  - Reactions $^{27}Al(^3He,p)^{29}Si$ and $^{27}Al(^3He,p\gamma)^{29}Si$, 24:15857
  - Study of $^{48}Ca(^3He,p)^{50}Sc$ reaction, 23:25866
  - Study of $^{94}Zr(^3He,d)^{95}Nb$ reaction, 23:31043
  - Study of J dependence in (d,^{3}He) reaction, 23:31025
- OHNUMA, Hajime (d, ^{3}He) reaction on ^{46}Ti and ^{48}Ti, 25:34040
- OHNUMA, S. Coupled motion in low-energy proton linear accelerators, 21:11839 (LA-3609, pp 214-19)
  - Extraction from the modified Nevis synchrocyclotron, 23:28033
  - Nevis synchrocyclotron conversion project, 23:28030
  - Nevis synchrocyclotron conversion project, 24:52347
  - Nevis synchrocyclotron improvement program, 21:38092
  - Stopped muon channel for LAMPF, 25:17611 (LA-4474)
  - Uniform charge density of a beam and its phase-space distribution, 21:11840 (LA-3609, pp 220-3)
- OHNUMA, Shoroku Phase space acceptance of a helical quadrupole channel of finite length, 24:20274 (TRI-69-10)
  - Space-charge effects on the quadrupole focusing system in low-energy proton linear accelerators, 21:38070
  - Study of one-third integer resonance extraction for 200 GeV accelerator, 25:50540
- OHNUMA, T. Decay instability of electron wave into lower and upper hybrid frequencies, 22:29488
  - Harmonics in ion wave propagation, 22:41574
  - Low-frequency electrostatic waves in a magnetic field with collisions, 24:51736
  - Oscillations in ion beam—plasma system, 25:52812
  - Propagation of electrostatic ion waves near ion cyclotron harmonics, 25:30612
- OHNUMA, Toshiro Decay of neutral wave into ion waves, 23:1472
  - Effect of viscosity of plasma instabilities, 22:17704
  - Propagation of two ion waves, 23:36745
  - Wave—wave coupling in ion wave propagation, 24:26254
  - Wave—wave coupling in ion wave propagation, 25:9513
- OHNYSTY, B. Oxidation-resistant coatings for use on W above 4000 deg F, 21:9066
- OHO, Gensaku Statistical observation of malignancy deaths among atomic bombing casualties, 21:13038
- OHOKUBO, M. Electromagnetic fields in plasma guides, 21:16934
- OHR, S. M. Annealing characteristics of neutron irradiated niobium, 22:31428 (ORNL-4246, pp 55-66)
  - Direct observation of neutron irradiation damage in niobium, 22:4839
  - Dislocation channeling in neutron-irradiated niobium, 23:12982
  - Dislocation dynamics in irradiated iron, 22:21748
  - Dose rate, annealing, and stress—relaxation studies of radiation hardening in Fe, 21:32934 (ORNL-P-2922)
  - Fluence dependence of radiation hardening in polycrystalline niobium, 22:31429 (ORNL-4246, pp 66-75)
  - Radiation anneal hardening in niobium, 23:20521 (ORNL-4334, pp 29-33)
  - Radiation hardening and radiation-anneal hardening in body-centered cubic metals, 25:35507
  - Radiation hardening in bcc metals niobium and iron, 23:34047
  - Radiation hardening in iron, 23:27131 (ORNL-4369, pp 29-41)
  - Radiation hardening in Nb, 24:14830
  - Radiation-anneal hardening in niobium, 24:44749
  - Temperature dependence of radiation hardening, 23:20523 (ORNL-4334, pp 63-7)
  - Work hardening characteristics of neutron irradiated iron, 22:41081
- OHRT, Arne Multiple scattering of α particles, 22:27039
  - Multiple scattering of α particles, 22:27269
- OHSAKI, Yorihiko State of arts in aseismic design of nuclear power plants in Japan, 25:53974 (A/CONF.49/P-226)
- OHSAKU, Masaru Molecular vibrations and force fields of dimethyl selenide and dimethyl selenide-d_6, 24:29274
- OHSAWA, Akinori Atmospheric propagation of cosmic ray and models for multiple production. II, 24:37284
- OHSAWA, Makoto Characteristics of Cu—W—Co and Cu—WC—Co contact alloys for heavy current applications, 21:34909
- OHSAWA, Nobuo Vacuum hot pressing of tungsten powders, 23:46013
- OHSAWA, Takao Heavy particle identification with TOF method in nuclear reactions, 25:42066
- OHSAWA, Yasuo Fission-gas release from fissioning UO_2, 22:41136
  - Reactivity balance for reactor diagnosis. I, 25:26039
  - Recoil release of fission-gas from UO_2, 21:44950
  - Techniques for in-pile measurements of fission-gas release, 24:47983
- OHSE, R. W. Evaporation behavior and high-temperature thermal analysis of substoichiometric plutonium oxide for $1.51 < O/Pu < 2.00$, 22:31477
  - Evaporation behavior of plutonium oxide, 24:8193
- OHSE, Roland W. Evaporation behavior of substoichiometric $(U,Pu)O_2$, 25:11504
- OHSHIMA, Kazushi Variational study of the nuclear many-body problem, 22:27294
- OHSHINO, Akira Radioactivity in fallout and natural radioactivity in airborne dust at time of second Chinese nuclear explosion, 22:25535 (NSJ-tr-98)
- OHSHIO, Mitsuo Observations for proton flare project, 1969. IV, 24:35116
- OHSUGI, T. Experimental method of radiative correction in coincidence measurement of inelastic electron scattering, 25:49011
- OHTA, I. Electron-induced cascade showers in Pb, Cu, and Al, 24:12927
- OHTA, Itaru Observation of primary electrons with emulsion chamber, 25:30328
- OHTA, K. Sudden enhancements and decreases of atmospherics, 25:40503
  - Symmetry breakdown in the nuclear-fission process, 25:53872
- OHTA, Keizo Moessbauer effect and magnetic properties of iron—beryllium compounds, 22:20057
- OHTA, Kohichi Adiabatic theory of fission, 25:12645
  - Octupole vibrations of fissioning nuclei, 25:39122
  - Phase transitions in nuclear fission. I, 25:59867
- OHTA, M. Inelastic interactions induced by 5 GeV/c muons in nuclear emulsion, 22:22289
  - Thermal instability and control of fusion reactor, 25:38483 (CONF-710607-132)
- OHTA, Masahisa Reactions (^{3}He,^{7}Be) and (^{3}He,^{6}Li) on ^{16}O and ^{12}C at 24.5 and 28.0 MeV, 25:3583
- OHTA, Masao Doppler coefficients for fast reactors, 23:21552
  - Regional neutron-balance method for multi-group calculation of multi-region fast reactors, 21:10166
- OHTA, Mitsuru Thermal stability of a fusion reactor, 25:36178
- OHTA, Tadayuki Chiral symmetry in the unified fermion theory. II, 25:3428
  - Chiral symmetry in the unified fermion theory. III, 25:41065
  - Chiral symmetry with the rho-photon analogy, 24:18191
  - Current x current structure of strong interactions in chiral U(2) x U(2) symmetry, 24:3686
- OHTA, Tokio Apparent negative thermal conductivity in the flux flow state of type—II superconductors, 21:41979
  - Polarization of core fermion and the heat transport of flux line, 25:56088
  - Theory of pinning effect on type-II superconductors, 23:39425
  - Thermomagnetic effects in the mixed state of type-II superconductors, 21:23149
- OHTA, Yukiko Estimation of personal neutron dose in nuclear accidents, 21:28471
  - Estimation of personal neutron dose in nuclear accidents, 23:6442 (NSJ-tr-118)
- OHTAKA, K. Effects of bremsstrahlung on the linear absorption coefficient for relativistic electron diffraction, 21:37549
- OHTAKE, Kazutomo Properties of combustion gas and its plasma, 23:12608
- OHTAKE, T. Flow reduction resulting from blockage of Fermi flow guards, 24:33186
- OHTANI, S. Microdosimetry, 24:46608 (JAERI-4047)
  - Relationship between ingestion, excretion, and accumulation of fallout ^{137}Cs in man on long-term scale, 21:17990
  - Thermal stability of alpha + beta titanium alloys, 23:33985
- OHTANI, Satoru Calculation of primary energy transfer and effective inactivation cross section of targets for heavy charged particles, 23:51361 (JAERI-1179)
  - Survival rates and effective inactivation cross sections of targets for heavy charged particles, 24:706 (JAERI-1180)

OHTANI, Shitoshi Methods of chemical etching for ceramic materials, 22:28927
OHTOMO, Shoichi Determination of U content of the U—Al alloy by detecting fission neutrons, 25:41 (JAERI-Memo-4106)
OHTSU, Jinsuke Dispersion of waves in the lower exosphere with multiple ionic species, 24:30232
  Ducted propagation of hydromagnetic whistlers in the magnetosphere, 23:42093
  Electromagnetic wave scattering by cylindrical irregularities in ionospheric plasma, 23:6922
  Electromagnetic wave scattering by ionospheric irregularities, 23:42092
  Propagation of Alfven waves in magnetosphere, 23:25207
  Rocket observation of VLF radio waves in the ionosphere, 24:37327
OHTSUBO, A. Device for measuring local heat flux on the surface of a fuel element, 24:20640
  Dilution refrigerator for nuclear boiling designed to minimize eddy-current heating, 25:45434
OHTSUBO, Akira Measurement of flow rate using temperature fluctuation caused by vortex street, 25:4205
  Measurement of temperature noise in an out-of-pile heat transfer loop, 23:23902
  Measurement of temperature noise in an out-of-pile heat transfer loop, 24:47831 (CONF-680980-, pp 233-47)
OHTSUBO, H. Low-energy theorem for exchange axial-vector currents, 24:49952
  Muon capture and nuclear structure, 24:52437
  Radiative pion capture in ^{16}O, 22:48457
OHTSUBO, Hisao Contribution absorption-reemission process to the complex level shift in the pionic atom, 25:55833
  Low-energy theorems for nuclear weak and electromagnetic currents, 25:30807
  Muon capture and nuclear structure, 23:25846
  Radiative pion capture in complex nuclei, 23:28250
OHTSUKA, H. Plasma confinement in the JAERI hexapole with high toroidal field, 25:38328 (CONF-710607-6)
OHTSUKA, N. Promoting chemical reactions by radioactive inert gas, 24:19014
OHTSUKA, Ryoichi Studies on radioactive I behavior released in MCA and HA of JPDR-II and filter for radioactive I, 25:51011 (JAERI-13647)
OHTSUKA, Shigeo Solidification of radioactive wastes with cement, 25:54979
OHTSUKA, T. Normal-state specific heat of niobium—tantalum alloys, 23:32278
OHTSUKA, Taiichiro Magnetocaloric effect and the upper critical field of superconducting niobium, 22:7220
  Nonmagnetic localized state in aluminum. I, 22:7217
  Specific heat and superconductivity of La—Y alloys, 21:33299
OHTSUKI, Kozo Chemical and enzymatic properties of γ-irradiated subtilisin BPN, 25:35109
  Kinetic and chemical properties of γ-irradiated subtilisin BPN, 25:35110
OHTSUKI, Y. H. Effects of bremsstrahlung on the linear absorption coefficient for relativistic electron diffraction, 21:37549
  Effects of lattice vibrations on dynamical diffraction of electron and x-rays, 21:7343
OHTSUKI, Yoshi-Hiko Abnormal stopping power of proton and ion channeling, 25:59129
OHUCHI, K. X irradiation and aging, 23:38462
OHUCHI, Kazuo Degradation and turnover of collagen in the mouse skin and the effect of whole body x-irradiation, 24:51034
OHUCHI, Masafusa Measurements of the permeation rate of tritiated heavy water through polimeric films, 23:847
OHUCHI, Yoshifusa Potentiometric determination of plutonium in the presence of uranium, 25:26
OHWADA, K. Infrared spectra of thenoyltrifluoroacetone (HTTA) and its complexes, 21:19642
  Ir spectra of uranyl ion attached to ion exchange resins, 21:38947
  Lattice vibrations of delta-UO_3 and WO_3, 24:29276
  Uranium—oxygen lattice vibrations of alkali monouranates, 24:46233
OHWADA, Ken Estimation of metal—oxygen bond force constants of transuranyl ions (NpO_2^{2+}, PuO_2^{2+}, and AmO_2^{2+}) from those of uranyl ion in various media, 22:14497
  Estimation of U—O bond distance in uranyl compounds from their infrared spectra, 22:27713
  Extraction of nitric acid and uranyl nitrate with tri-n-octylamine, 21:43036
  Group type analysis of carboxylic acids formed by degradation of i-dodecane and kerosene with nitric acid, 21:42877
  On the identification of hydroxamic acids formed by nitric acid degradation of kerosene and i-dodecane, 22:27557
  Process for preparing nuclear fuel elements of dispersed-in-graphite type, 22:23884
  Removal of fission products and their complexing agents from degraded solvent by ion exchange method, 22:21170
  Uranium—fluorine lattice vibration of uranyl fluoride, 25:44369
  Uranium—oxygen lattice vibrations of Li, β-Na, and β-Sr uranates, 24:25061
OHWANDA, Ken Removal of fission products and their complexing agents by potassium dichromate method from kerosene degraded with nitric acids, 22:4245
OHYA, Katsuhiko Nonleptonic hyperon decay and chiral SU(3) x SU(3) symmetry-breaking, 24:49419
  Nonleptonic hyperon decays, 23:10793
  Nonleptonic hyperon decays and breaking of chiral SU(3) x SU(3), 25:3349
  Phenomenological approach to nonleptonic decays. I, 22:41785
  Phenomenological approach to nonleptonic decays. II, 22:41781
OHYA, Susumu Decay of ^{119}Sb, 25:17871
OHYAMA, H. Effects of adenine on x-irradiated ray thymocytes, 24:34579
OHYAMA, Harumi Accumulation of fructose-1, 6-diphosphate in irradiated rat thymocytes, 24:36801
  Accumulation of fructose-1,6-diphosphate in x-irradiated rat thymocytes, 23:20322
  Changes in blycolysis of rat thymocytes after a whole body x-irradiation, 24:4570
  Effects of x-irradiation on ^{14}C-pyruvate metabolism in rat thymocytes, 25:18902
  Release of hypoxanthine from x-irradiated rat thymocytes, 24:31863
  Restoration of radiation damage in rat thymocytes, 25:26936
  Restorative effect of adenine on free-DNA release from x-irradiated rat thymocytes, 25:37859
  X-irradiation effects on glycolysis of rat thymocytes, 22:45431
OHYAMA, Noboru Rapid contraction of protostar to stage of quasi-hydrostatic equilibrium. I, 22:45842
  Rapid contraction of protostars to stage of quasi-hydrostatic equilibrium. II, 24:42333
OHYAMAS, Harumi Changes in glycolysis of rat thymocytes after a whole-body x-irradiation, 24:4565
OHYOSHI, A. Determination of isotopic ratio of U, 24:16445
  Kinetic study of oxidation of Am(III), 25:20971
  Oxidation of Am(III) with ammonium peroxydisulphate, 25:41785
  Radiochemical determination of nuclides for ^{233}U fission, 24:16446
OHYOSHI, Akira Rapid separation of fission-product rare earths and yttrium by electromigration, 25:57558
OHYOSHI, E. Determination of isotopic ratio of U, 24:16445
  Kinetic study of oxidation of Am(III), 25:20971
  Radiochemical determination of nuclides for ^{233}U fission, 24:16446
OHYOSHI, Emiko Effect of consecutive complex formation on the separation of rare earths by electromigration, 25:32051
  Rapid separation of fission-product rare earths and yttrium by electromigration, 25:57558
  Separation of rare earths, 24:36379
OHZU, Eiji Effects of x irradiation on inbred mouse embryos, 24:17150
  Some aspects on the effect of x irradiation on inbred mouse embryos, 21:32768
OI, Hiroshi Ship design of the first nuclear ship in japan, 24:2053
OI, N. Behavior of fission product ruthenium in uranium carbide, 24:14917
  Fission gas bubbles in uranium carbide, 23:36287
  Fission product segregration at the surface of irradiated UO_2 particles, 22:19680
  Phase transformation of hyperstoichiometric uranium carbide, 25:24662 (AECL-3679)
  Replica electron microscopic observation of fission gas bubbles in UC pins after post-irradiation annealing, 24:6215 (AECL-3291)
OI, Noboru Gamma-ray spectra of fission products observed with Li-drifted Ge detectors. II, 22:22613
OIE, H. K. Uv inactivated virion preparations and cell death, 25:4729
OIKAWA, Hiroshi Flow stress and dislocation structures in polycrystalline molybdenum, 24:32389
  Transmission electron microscopy of Mo deformed in the temperature range 20 to 940°C, 24:48858
OIKAWA, Hisashi Observation of polymerized films induced by irradiation of electron beams, 24:41327
OIKAWA, Shiro Study of isobaric analogue state by (γ,p) reaction, 25:10053
OIKAWA, Takashi Compactibility of graphite powder for high temperature reactor fuels, 22:27494
  Method for producing graphite—thorium carbide fuel elements for a high-temperature thermal breeder reactor, 22:6975
  Method for producing high-density, high-hardness graphite—thorium carbide fuel elements, 22:36448
  Preparation of graphite matrix fuels containing thorium carbide, 23:22666
  Temperature distribution in graphite matrix hollow fuel compacts, 24:14163
OIKE, Isao Experimental fast reactor Joyo, 25:60189
OINAS, Valdar Two K dwarfs with enhanced bands of molecular carbon, 22:43838
OINKEL, E. E. Investigation using Moessbauer effect of mechanism of thermal stabilization of irradiated polyethylene by certain organic tin compounds, 23:4697
OISHI, Jun Analysis of fission gas escape from reactor fuel during isothermal irradiation, 22:49863
  Analysis of the escape behavior of Xe captured in graphite by nuclear recoil. II, 21:43678
  Behavior of iodine in adsorption and desorption by graphite, 22:50957
  Characteristics of a tapered cascade for isotope separation by gaseous diffusion, 22:25622
  Square and squared-off cascades for U enrichment, 23:50076
OISHI, Kimiya Fissionability of heavy nuclei, 25:31417
OISHI, Kugao Cytological evaluation of dose-rate effects of radiation on mutation frequency of silkworm gonia. II, 21:20135
OISHI, Mineo Large gamma irradiation equipment, 23:33307
  Neutron generating device, 22:11859
  Radiation-source transport container, 23:9690
OISHI, Norio Turbine generators for nuclear power stations, 25:46583
  Turbo-generators for the Mihama Atomic Power Station, 24:14142
OISHI, T. Reactions of activated amides. II, 22:23027
OISHI, Tadashi Radioluminous paints as activator of photoreceptor systems in swallow-tail butterfly and quail, 22:25758
OISHI, Yoshitame Electro-discharge machining of prototype micronotch. I, 22:12493
OISHI, Yoshiyuki Modulated cerebellar evoked potentials after exposure of the cerebellum to ^{60}Co, 22:8630
OISTACH, I. D. Separation of boron isotopes. II, 25:29196
OITMAA, J. Expansions for Griffiths' model of ^{3}He—^{4}He mixtures, 25:3015
  Lattice dynamics of simple harmonic and anharmonic shell models, 22:1311
OIVIN, I. A. Pathogenesis of radiation hemorrhage, 25:49222
OIVIN, V. I. Endotoxins in pathogenesis of hemorrhagic syndrome in acute radiation sickness, 23:43872
  Endotoxins in pathogenesis of hemorrhagic syndrome in acute radiation sickness, 23:50856
  Pathogenesis of radiation hemorrhage, 25:49222
OJA, H. K. Calibration of stripping film autoradiography in tissue sections labelled with tritium, 21:22272
OJA, S. S. Calibration of stripping film autoradiography in tissue sections labelled with tritium, 21:22272
OJA, T. Narrow-band photometry of late-type stars, 24:23553
  NMR studies of ferroelectricity in normal and irradiated Rochelle salt, 23:14907
  Variable star BD + 63°141, 24:23616
OJA, Tarmo BV photometry of standard stars, 24:4896
  Photoelectric BV photometry of 368 northern stars, 23:41800
OJA, Tonis Sodium-23 nuclear magnetic resonance in ferroelectric Rochelle salt, 22:48160
OJAK, Maria Cerebral changes in rats in postirradiation disease, 23:20347
  Morphologic changes in the brains of rats irradiated with different doses of gamma rays, 21:28606
OJALA, Antti Results of cobalt therapy in inoperable carcinoma of the lung, 25:29600
OJEDA, Flavio Permeability of the skin for noble gases, 25:32535
OJEDA, M. D_o acidity function in deuterium sulphate solutions at 25°C, 25:2175
OJEMANN, Robert G. Radioisotopic scanning with positron-emitting isotopes, 24:29798
  Scanning with positron-emitting isotopes in cerebrovascular disease, 21:22606
OJIMA, T. Galactic background at 4 GHz, 23:39258
OJIMA, Takeyuki Radio observation of galactic H II regions at 4170 MHz. II, 23:30244
OJIMA, Tsutomu Behavior of water in soil aggregates. II, 21:22030
  Retention of ^{137}Cs by several clay minerals, 22:12438
  Use of glass dosimeter in food irradiation, 23:703
OJO, A. High-frequency surface waves on inhomogeneous plasma columns, 21:25149
OJO, AkinRemi Induced fluctuation and radiation in a magnetoplasma, 22:22146 (NP-17389)
OK, H. H. Armagan Channeling of electrons and positrons in silicon and anthracene monocrystals, 25:9543
OK, Hang Nam Cobaltous oxide. I, 22:14671 (COO-1616-7)
  Moessbauer, x-ray, and chemical studies of cobaltous oxide, 22:15557 (COO-1616-5)
OKA, A. K. Hybrid cryotron technology. I, 21:3787
  Hybrid cryotron technology. II, 21:3789
OKA, Akira Production of stoichiometric titanium and zirconium hydride powders, 21:31079
OKA, H. Clinical experience with a water-soluble adrenochrome derivative (AC-17) in the prevention of radiation injury, 21:34723
OKA, Hisao Papillary carcinoma of the thyroid gland. Sizes of 525 tumors found at autopsy in Hiroshima and Nagasaki, 24:34381
OKA, Janet A. Cytological effects of juice or puree from irradiated strawberries, 25:13621
OKA, M. Bibliography on heavy atom kinetic isotope effect research, 24:185 (ORO-3234-12)
  Technetium-99m in study of systemic inflammatory activity in rheumatoid arthritis, 25:46922
OKA, Martti Technetium-99m in study of rheumatic joints, 25:46923
OKA, Mitsuru Radiation sterilization of medical devices and supplies. V, 23:29950
  Radiosterilization of foods, 25:21993
OKA, Muneo Electron microscopy study, 22:17132
OKA, Shoichi Exchange reaction between light ethane and deuterium on tungsten film, 24:29302
OKA, Songo Lymphatic diseases of atomic bomb survivors, 22:4649
OKA, T. On the initial excitation temperature of interstellar H_2CO molecules, 24:27984
  Possible rotational equilibration of interstellar ammonia by radiative $\Delta k = + -3$ transitions, 25:24818
  Selective irradiation of lymph nodes and its application to clinical renal transplantation, 23:47990
  Welding of tantalum and newly developed tantalum-clad steel, 25:35356
OKA, Takami Pharmacological studies on chemical protectors against radiation. I, 22:28648
  Pharmacological studies on chemical protectors against radiation. III, 23:16338
OKA, Takashi Activation analysis of river-water, 24:38786
  Luminescence of electron-irradiated CdS, 22:45107
  Optical absorption in ZnS crystals irradiated with neutrons and electrons, 23:36792
OKA, Takefumi Benzene formation in radiation-induced and photochemical reactions of acetylene, 25:10650
  Hydrogen cyanide formation in the gas-phase radiolysis of mixtures of nitrogen and ethylene, 22:47177
  Radiolysis of liquid N containing hydrocarbons. II, 25:21054
  Radiolysis of liquid nitrogen containing hydrocarbons. I, 24:9408
  Spatial distribution of secondary electrons produced in γ-radiolysis of cyclohexane, 25:31995
OKA, Toshiyuki Measurements of renal glomerular filtration rate using Na iothalamate-^{131}I, 23:29616

- OKA, Y. Determination of Sc and Au in meteorites, tektites, and standard rocks by neutron activation, 24:48052
- OKA, Yoshinaga Activation analyses of ruthenium in osmium and in rhodium by means of photonuclear reaction, 21:38880
  - Activation analyses of several mixed rare earth elements by means of photonuclear reaction, 21:38881
  - Activation analysis for arsenic, 23:45231
  - Activation analysis of Ag in Pd with thermal neutrons, 22:33261
  - Activation analysis of Sb in Sn, 23:7477
  - Activation analysis, determination of As, Rb, and Nb, 24:16474
  - Determination of Nb by photon-activation analysis, 24:33653
  - Determination of Rb by photon-activation analysis with Sr as reference element, 25:6284
  - Gamma-ray spectrometric study of the photoactivation products with 20-MeV bremsstrahlung, 22:22614
  - Nuclear reactions and the analytical-chemistry application, 24:16475
  - Nuclear reactions by residual nucleus method, 24:20354
  - Photoactivation of Ga, In, and Tl by 15 Mev bremsstrahlung, 21:14
  - Photoactivation of rare-earth elements with 20-MeV bremsstrahlung, 21:35467
  - Photon-activation analysis for I using Cs as internal-reference, 25:2150
  - Photon-activation analysis for zirconium with molybdenum used as the internal-reference element, 25:41764
  - Photonuclear reactions, 24:20352
  - Radioactivities induced by (γ,n) reactions with 20-MeV bremsstrahlung, 21:22008
  - Short-lived nuclides formed by (γ,n) reactions, 23:1837
  - Study of nuclear reaction by means of residual nucleus method, 25:25767
  - Study of photoactivation analysis: determination of As and Nb, 24:18915
  - Study of photon activation analysis of Dy and Tm, 25:37336
  - Study on yield of (γ,p) reactions with 20-MeV bremsstrahlung, 22:35313
  - Yield of (γ,α) reactions with 20 MeV bremsstrahlung, 23:10971
  - Yields of ^{133}Cs(γ,xn) and ^{133}Cs(γ,2pxn) reactions, 24:30840
  - Yields of photonuclear reactions in Ti and V, 23:23653
  - Yields of photonuclear reactions leading to production of ^{7}Be, 23:42855
- OKABAYASHI, H. Distribution and excretion of inhaled Eu, 24:31819
- OKABAYASHI, Hiroyuki Practical expression of ^{90}Sr and ^{137}Cs concentration in Satsuma orange fruit, 23:16304
  - Radioactive contamination of fruit trees by fission products. I, 23:16295
- OKABAYASHI, M. Confinement of plasmas in the spherator, 25:38326 (CONF-710607-4)
  - Confinement properties of the levitated spherator, 25:17127
  - Effect of neutral particles and supports on the confinement of plasmas in the spherator, 24:8427 (MATT-706)
  - Plasma acceleration at harmonics of the electron cyclotron frequency, 23:18628 (CONF-680113-(Vol.2), pp 775-807)
  - Plasma containment in Princeton spherator using supported superconducting ring, 23:51590
- OKABAYASHI, T. Phenomenological approach to the correspondence between composite systems and elementary particles, 22:34878
- OKABAYASHI, Tadashi Ion-exchange and isotope effect of lithium ions in formamide, 22:2062
- OKABAYASHI, Takao Formal theory of nonlinear realization of a group on its subgroup, 24:49549
  - Gauge fields in the nonlinear realization of a group on its subgroup, 25:36558
  - Goldberger—Treiman relation and its kaon analogue, 23:42639
  - Nonlinear realization of group on its subgroup, 24:47487
  - View of elementary particle physics based on the renormalization theory, 21:13727
- OKABE, H. Detection of rho-mesons produced by muon—nuclei interactions, 25:33526
  - Regge-dipole model and $\pi^-p \to \gamma n$ reaction, 25:14704
- OKABE, Hirobumi Photographic film dosimetry. I, 23:20015
- OKABE, Hisataka Program for analysis of bubble-chamber photographs, 25:4372 (SJC-T-70-3)
- OKABE, S. Effect of electric field direction on pulsed radiation-induced current in crystalline quartz, 25:45552
  - Effect of pulsed x-rays on a BF$_3$ counter, 21:17947
  - Empirical equation for the backscattering coefficient of electrons, 25:45296
  - Neutron detection system for study of (γ,n) reaction with linear electron accelerator, 22:19110
  - Pulsed-radiation-induced current in crystalline and fused quartz, 23:38385
- OKABE, Shigeru Angular distribution of transmitted electrons with incident energies 3.2 to 14.1 MeV. I, 22:44744
  - Charge distribution produced by 4- to 24-MeV electrons in elemental materials, 25:13964
  - Contribution of obliquely scattered electrons to the irradiation under the scanner window, 24:15739
  - Current profile monitor for scanning electron beam, 25:5468
  - Dependence of pulsed-radiation-induced current upon direction of applied electric field in crystalline quartz, 24:40174
  - Electron backscattering and secondary electron emission from semi-infinite solid targets, 22:13969
  - ESR of irradiated calcium nitrate ice, 22:42794
  - Extrapolated and projected ranges of 4- to 24-MeV electrons in elemental materials, 25:47607
  - Fast neutron detection with solid state detector, 22:12587
  - Fine structure of the ^{12}C(γ,n) reaction, 22:13943
  - Irradiation effects on integrated circuits. I, 23:35577
  - Maximum range of monenergetic electrons, 23:18437
  - Measurement of absorbed dose of electrons with a differential calorimeter, 24:44336
  - Method and device for monitoring the energies of an irradiation electron current, 23:10896
  - Method and device for monitoring the wave-shape of an irradiation electron current, 23:21199
  - Pulsive radiation-induced current in electric insulators. I, 22:43198
  - Radiation induced conductivity and damage of the electric insulator, 22:12721
  - Range distribution of 4- to 24-MeV electrons, 24:39813
  - Range distribution of monoenergetic electrons in Be and Al, 23:36470
  - Reaction of the hydrated electron, 22:12387
  - Temperature dependence of solvated electron in concentrated aqueous solution of alkali, 22:42795
- OKABE, Tetuji Nuclear reactions induced by high energy ^{12}C, 23:21384
- OKABE, Toshio Diffuse scattering of electrons by defects in crystals. II, 25:17314
- OKAC, A. Reaction and determination of uranyl ions by means of pyrogallol sulfonic acid, 22:30479
- OKADA, Akihiko Cosmic dust. IV, 23:27210
  - Cross checking of fission-track and Kr—Ar methods for age dating. I, 25:21166
  - Extraterrestrial material in Antarctica. II, 24:23834
  - Study of cosmic dust. V, 25:16624
- OKADA, Akira Simplification of the work for earthquake-proof design by standardizing piping systems, 23:26423
- OKADA, Hiroko Analysis and separation of rare earth elements. I, 21:42893
  - Analysis and separation of rare earth elements. II, 21:43035
- OKADA, Hiromu Polycythemia vera terminating in acute myelogenous leukemia with fibrosis of bone marrow, 22:51840
- OKADA, Isao Isotope effect of electromigration in some solid alkali halides, 25:29041
  - Isotope effect of molten thallous nitrate in countercurrent electromigration, 24:22651
- OKADA, K. Chromosome aberrations and neutrophil alkaline phosphatase in atomic bomb survivors, 23:10006
  - Ferroelectric behavior of radiation-damaged triglycine sulfate and Rochelle salt up to high dosage, 21:33523
  - Prog. rpt. on neutron diffraction, annual, 5/65—4/66, 22:29545 (PRNC-84)
- OKADA, Kan Submerged arc welding of heavy plate for atomic reactor pressure vessel, 23:14313
- OKADA, Kosuke Early diagnosis in chronic myeloid leukemia, 21:11109
  - Hematological effects of 14.1-Mev neutrons in mice, 21:8967
- OKADA, Kunihiko Classification of higher boson resonances, 22:32128
  - GammaP total cross section at high energy and quark model, 23:39655
  - Harari's conjecture and photoproduction of phi meson, 24:42908
  - Mass splitting among baryons in ground states, 21:27358
  - On the structure of baryons, 21:2470
  - Proton Compton scattering and photoproduction of vector mesons, 24:49379
- OKADA, Masanori Mechanism of age hardening in Elgiloy, 22:17130
- OKADA, Minoru Direct preparation of porous polyethylene filters, 24:9390
  - Possibility of elemental analysis by use of neutron-capture γ-rays due to neutrons from low-level sources, 21:8210
  - Various properties of the plasma jet in the magnetic field at low pressure, 21:20973
- OKADA, Moritami Color centers in MgO:Ni induced by neutron irradiation, 25:25225
  - Fluorescence change in irradiated terphenyl, 23:45339
  - Low temperature irradiation facility, 23:43452
  - Low temperature irradiation facility of KUR, 24:27286 (KURRI-TR-69)
  - Radiation damage studies using the low temperature irradiation facility. V, 25:36290
- OKADA, Munehisa Triad tacticity of polyacrylonitrile, 25:54622
- OKADA, Norio Graft co-polymerization of hydrophilic monomers onto polyester fiber, 24:18999
  - Radiation graft copolymerization of hydrophilic monomers onto polyester fiber, 24:16554
- OKADA, Osami Experimental study of a plasma flow in a magnetic nozzle, 24:42677
- OKADA, S. Comparison of killing of cultured mammalian cells induced by decay of incorporated tritiated molecules at -196°C, 22:43456
  - Cysteamine, cystamine, and single-strand breaks of DNA in cultured mammalian cells, 25:6712
  - DNA synthesis during the first post-irradiation life cycle of mammalian cells, 22:40587
  - Effects of gamma radiation on deoxyribonuclease I, 21:36512
  - Increased hybridization of RNA synthesized immediately after irradiation in cultured L5178Y mouse leukaemic cells, 25:46725
  - Interphase death of cultured mammalian cells, 23:43705
  - Killing of cultured mammalian cells by radioactive decay of thymidine-^{3}H, 24:17149
  - Kinetic studies on isotopic exchange between lutetium ion and its ethylenediaminetetraacetate, 23:35100
  - Kinetic studies on isotopic exchange between neodymium ion and its diethylenetriaminepentaacetic acid complex, 24:25060
  - Radiation-induced breaks of DNA in cultured mammalian cells, 23:29439
  - Radiation-induced mitotic delay, 24:9916
  - Rejoining of single-strand breaks of DNA in cultured mammalian cells, 24:14423
  - Reproductive death of irradiated cultured cells and its relation to mitosis, 22:6780
- OKADA, Shige Rod for grabbing and handling a radioactive material in a nuclear reactor, 22:37547
- OKADA, Shigefumi Cysteamine and radiation-induced single strand breaks of DNA, 25:42522
  - Death of cultured mammalian cells from tritium decay, 25:58086
  - Radiation biochemistry. Volume I. Cells, 24:39558
- OKADA, Shigehiro Effect of crystal size on the radiolysis of solid succinic acid, 24:44051
- OKADA, T. Anomalous ductility of LiF crystals at low temperatures, 23:3615
  - Living root system distinguished by the use of ^{14}C, 21:12778
  - Preparation of RI sources by IPCR cyclotron, 24:31453
  - Radiation cross-linking of hydrogenated polyethylene, 21:40906
- OKADA, Takeshi Electron-microscope observation on Zircaloy-2, 25:22109
  - Fabrication techniques and quality of Zircaloy cladding tubes, 25:22039
  - Fabrication technology and quality for Zircaloy fuel-cladding tubes, 25:22041
- OKADA, Takuya Moessbauer effect study of spin relaxation in CaFe$_2$O$_4$, 22:15644
- OKADA, Toshio Comparison of radioinduced and catalytically induced poly(vinyl chloride)-acrylonitrile graft fibers, 24:11569 (JAERI-5022, pp 98-102)
  - Effect of irradiation on polyvinyl caproate, 23:17452 (JAERI-5018, pp 22-4)
  - Effect of oxygen and water on the pre-irradiation grafting to cellulose, 24:11562 (JAERI-5022, pp 59-65)
  - Effects of electrons on tensile properties of cellulose fibers, 23:17449 (JAERI-5018, pp 1-4)
  - Grafting acrylonitrile onto polyvinyl chloride powder and spinning fiber, 25:10595 (JAERI-5026, pp 35-41)
  - Grafting of acrylic acid onto polyester fiber, 25:10602 (JAERI-5026, pp 73-9)
  - Grafting of acrylonitrile onto polyvinyl chloride fiber, 24:11563 (JAERI-5022, pp 66-73)
  - High-energy radiation for modification of cellulose fibers. II, 23:15909
  - Inverse bremsstrahlung process in plasma heating, 25:40645
  - Properties of styrene grafted cellulose, 22:8119
  - Properties of styrene grafted cellulose, 22:42703 (AEC-tr-6937, pp 21-32)
  - Radiation grafting of hydrophilic monomers to polyester fibers, 24:31375
  - Radiation induced graft copolymerization to polyester. VII, 25:10600 (JAERI-5026, pp 63-7)
  - Radiation-induced graft copolymerization to polyester. V, 25:10598 (JAERI-5026, pp 52-5)
  - Radiation-induced graft copolymerization to polyester. IV, 25:10597 (JAERI-5026, pp 46-51)
  - Radiation-induced graft copolymerization to polyester. VIII, 25:10601 (JAERI-5026, pp 68-72)
  - Radiation-induced graft copolymerization to polyester. VI, 25:10599 (JAERI-5026, pp 56-62)
  - Radiation-induced graft polymerization of acrylonitrile onto poly(vinyl chloride) powder, 25:10596 (JAERI-5026, pp 42-5)
  - Radioinduced graft copolymerization to polyester. I, 23:17450 (JAERI-5018, pp 5-14)
  - Radioinduced graft copolymerization to polyester. II, 23:17451 (JAERI-5018, pp 15-21)
  - Radioinduced graft copolymerization to polyester. III, 24:11564 (JAERI-5022, pp 74-8)
  - Radiolysis of poly (vinyl alcohol). I, 22:42705 (AEC-tr-6937, pp 33-44)
  - Radiolysis of poly(vinyl alcohol) gaseous products from poly(vinyl alcohol) and deuterated poly(vinyl alcohol) with gamma irradiation, 22:8120
  - Stain release treatment of polyester fabrics by radioinduced grafting, 24:11565 (JAERI-5022, pp 79-83)
  - Uses of high-energy radiation for modification of cellulose fibers. I, 23:332
  - Viscoelastic behavior of poly(ethylene terephthalate)—styrene copolymer, 24:11567 (JAERI-5022, pp 89-93)
  - Viscoelastic behavior of poly(ethylene terephthalate)-4-vinyl pyridine copolymer, 24:11568 (JAERI-5022, pp 94-7)
  - Viscoelastic behavior of poly(vinyl alcohol)—methyl methacrylate copolymer, 24:11566 (JAERI-5022, pp 84-8)
  - Visoelastic behavior of poly (vinyl acetate)—methyl methacrylate graft copolymer, 23:17453 (JAERI-5018, pp 25-30)
- OKADA, Touichi Effect of plastic deformation on crystal current density in Pb—In crystal, 25:43300
  - Static pinning of dislocations in gamma-rayed NaCl, 21:7342
- OKADA, Tsuneo Thyroid glands of patients who received radiation treatment on neck region, 23:41475
- OKADA, Tsutomu Accelerating tube, 21:2571
  - Exciting device for a particle accelerator, 22:11864
  - Particle accelerator, 23:49251
- OKADA, Yoichi Irradiation of hydrocarbon polymers in nitrous oxide atmosphere, 22:6344
  - Method for producing dibasic fatty acids, 22:21137
  - Method for producing hydrocarbons, 22:33458
- OKADA, Yoshio A series of hybrid cells containing different ratios of parental chromosomes formed by two steps of artificial fusion, 25:26700
  - Bronchogenic carcinoma with radiation pneumonitis and diabetes-insipidus-like symptoms, 23:50777
  - Cultivation of fused cells resulting from treatment of cells with HVJ. I, 22:52043
- OKAGAWA, Seigo Primary cooling water decomposition in reactors, 25:28758 (JAERI-1204)

- OKAI, B. Superconducting indium antimonide, 21:5230
- OKAI, Sueji Interaction between ^{3}He and ^{4}He, 22:18111
  - Interaction between ^{3}He and ^{4}He, 22:26825
- OKAJIMA, Kazuhisa Thermodynamic study on the activities of both components in binary molten alloys, 25:4754
- OKAJIMA, Kazuo Self-energy in quantum field theory, 24:18269
- OKAJIMA, Nobuo Buildings of ML-300 electron linac, 22:24771
  - Economy of radioactive gauges, 23:14064
  - Facilities for accelerators for medical use, 25:56607
  - Optimum planning for radiation facilities, 25:312
  - Report on engineering of buildings for electron linac of Tohoku Univ, 25:53437
- OKAJIMA, Shonzo Measurements of dose distribution in ^{60}Co teletherapy, 21:26451
- OKAJIMA, Shunzo Effect of x-irradiation on RNA synthesis, 23:43687
  - Effects of anaesthesia on saccharin aversion of rats to radiation exposure, 22:36345
  - Effects of x-irradiation on rat behavior, 22:36346
  - Measurements of integral dose in the ^{60}Co teletherapy using leuco triarylmethane dosimeter solution, 23:20312
  - Sensitivity to ultraviolet light of RNA synthesis, 23:20446
  - Studies on telecobalt therapy, 21:18098
  - Studies on telecobalt therapy, 21:28553
  - Whole body counter, 24:31687
- OKAJIMA, Yasujiro Establishment of fuel cycle in Japan, 24:36035
  - Method for producing nuclear fuel pellets, 22:19507
- OKAMIMA, Shunzo Effect of x-irradiation of rat liver tryptophan pyrrolase, 23:41254
- OKAMOTO, Akira Visual accommodation of survivors in Nagasaki and Hiroshima, 22:51816
- OKAMOTO, Boku Heavy-water thermal-neutron facility at KUR, 23:9198 (KURRI-TR-28)
- OKAMOTO, Hidemasa Effects of alkyl halides on the γ-ray induced polymerization of ethylene, 24:20838
  - Participation of an excited monomer in propagation reaction of the γ-ray induced polymerization of ethylene, 25:10612
  - Radiation-induced polymerization of isobutene in the gas phase, 21:42979
  - Reactivity of growing chain radicals in ethylene polymerization induced by γ-ray, 24:31383
- OKAMOTO, Hideo Problems on construction, operation, and maintenance of nuclear power plants, 24:29426
- OKAMOTO, Hironobu Calculation of kinetic energy and most-probable charge in fission, 25:28408
- OKAMOTO, Hiroshi Stress effect of gold-doped and gamma-irradiated Schottky-barrier diodes, 23:22149
- OKAMOTO, Jiro Radiolysis of dicarboxylic acid lithium salt, 24:36299
  - Reaction of ^{82}Br activated by isomeric transition with CH$_4$, 24:33719
  - Reaction of recoil tritium atoms in a mixture of carbon tetrachloride and aliphatic acids, 24:44043
  - Reactions of ^{82}Br activated by isomeric transition with gaseous methyl bromide, 23:38002
- OKAMOTO, Junichi Mass spectrometer for ultra trace gas analysis, 22:8420
- OKAMOTO, K. Charge asymmetric potentials and the three nucleon system, 25:59701
  - Charge asymmetry of nuclear forces and the purity of the isobaric spin, 21:5576
  - Computer file of resonance data, 23:5773
  - Coulomb energy of ^{3}He, 23:25799
  - Coulomb energy of ^{3}He and local and nonlocal potentials in the three-nucleon system, 22:18114
  - Coulomb energy of ^{3}He and local and nonlocal potentials, 22:26813
  - Inappropriateness of the anomalous magnetic moment as a test of quantum electrodynamics, 22:24722
  - Note on the existence of the trineutron, 21:9927
  - Scattering length (n—n), the three-body problem and charge symmetry, 21:21602
- OKAMOTO, Kazuo Irradiation effects on the bound water of mammalian tissues, 24:2580
  - Relationship between the O consumption of various tissues and the radiosensitivity in mice. II, 21:8930
  - Relationship between the O consumption of various tissues and the radiosensitivity in mice. III, 21:34809
- OKAMOTO, Kazuto Anomalous magnetic moment of the nucleon, 23:45009
- OKAMOTO, Koichi Determination of U content of the U—Al alloy by detecting fission neutrons, 25:41 (JAERI-Memo-4106)
  - Parameters of the 0.099-eV neutron resonance in ^{149}Sm, 23:21338
  - Reaction (n,α) on samarium and neodymium isotopes induced by thermal neutrons, 24:13356
  - Thermal neutron-induced (n,α) reactions, 22:48521 (JAERI-1158, pp 123-4)
- OKAMOTO, Konsuke Electron beam collector with ionization cavity, 24:10559
- OKAMOTO, Kosuke System for determination of time-varying spectral line profiles, 25:43343
- OKAMOTO, Kousuke Low-frequency oscillations in a magnetized carbon arc, 22:15539
- OKAMOTO, M. Current density effect on lithium isotope separation, 24:27192
  - Enrichment of Li, K, Cu, and U isotopes by electromigration, 22:42842
- OKAMOTO, Makoto Enrichment of Li isotopes by electromigration, 22:4239
  - Enrichment of the uranium isotopes by electromigration in a cation exchange membrane, 25:39574
  - Isotope electromigration in ion exchangers. II, 21:22018
  - Separation of copper isotopes by electromigration in a cation-exchange membrane, 22:42824
- OKAMOTO, Masabumi Precipitation hardening of alloys of Fe—Nb and Fe—Zr series, 23:12312
- OKAMOTO, Masafumi Quarternary alloys of Fe and B, 22:19639
  - Strengthening mechanisms of carbon-free iron—boron alloys, 23:34109
- OKAMOTO, Masao Decay instability of cyclotron harmonic plasma waves, 25:3162
  - Effects of a high-frequency electric field on microinstabilities driven by density gradient, 24:51696
  - Nonlinear coupling between drift wave and externally excited ion-acoustic wave, 25:40720
  - Parametric effects of an alternating field on inhomogeneous plasmas, 23:18706
  - Parametric excitation of upper and lower hybrid modes, 22:11452
  - Stabilization of drift cyclotron instabilities by a high-frequency electric field, 24:49638
- OKAMOTO, Masefumi Precipitation hardening in Fe—W, Fe—Nb, and Fe—Ta system alloys, 25:16512
- OKAMOTO, Naomasa Cardiovascular anomalies induced by neutron irradiation, 23:22413
  - Congenital malformations found in autopsies of human fetuses, 23:43843
  - Effects of fast neutron irradiation on developing rat embryo, 23:50868
  - Effects of fast-neutrons on fetus, 24:23321 (CONF-690501-, pp 325-40)
  - Electron microscopic histochemical study of the lysosomes in the abnormally developing embryonic heart and dermal cells in the rat, 25:16358
  - Preparing metaphase plates from 8-day rat embryos, 23:43871
- OKAMOTO, P. R. Indices of planes and directions in hcp crystals, 22:38572
  - Short range order and micro-domains in the Ni$_4$Mo system, 25:49456
  - Short range order in Ni—Mo alloys, 25:16532
- OKAMOTO, Paul R. Dislocation substructure in single crystals of hexagonal Ag—Al oriented for prismatic slip, 21:22866 (UCRL-16957)
  - Initial stages of ordering in Ni$_4$Mo, 24:32438 (UCRL-19175)
- OKAMOTO, Paul Rokuro Initial stages of ordering in Ni$_4$Mo, 25:11452
- OKAMOTO, S. Arrangement of slits for fast chopper, 24:29556
- OKAMOTO, Shinichi Gamma-rays induced conductivity in insulating polymers. III, 22:42793
  - Gamma-rays induced conductivity in insulating polymers. IV, 23:35183
  - New gamma-irradiation facility, 24:39121
  - Van de Graaff type positive-ion accelerator of ORC, 22:13887
- OKAMOTO, Shiujiro Opposed scintillation-scanner of 5 in. phi and its effectiveness, 22:51822
- OKAMOTO, Sinichi Badge film dosimetry, 23:35523
- OKAMOTO, Sunao Neutron fluxes in multi-layer medium, 23:47275
  - Two-dimensional four-group calculation based on partial buckling, 22:7923
  - Two-dimensional four-group calculation based on partial buckling, 23:6036 (KURRI-TR-33)
- OKAMOTO, T. Effect of hydrostatic pressure on magnetic properties of Tb and Dy, 22:15620
  - Saturation magnetic moment and crystalline anisotropy of light rare earth—cobalt compounds RCo$_5$, 25:47643
- OKAMOTO, Takashi Fate of patients administered Thorotrast more than 22 years previously, 21:24574
  - Malignancy and other injuries following Thorotrast administration, 22:40906
  - Spindle-cell sarcoma in the syrian hamster produced by Thorotrast, 21:11049
- OKAMOTO, Takasi Pathological studies of radioactivity effects in body disturbances. II, 22:10837
- OKAMOTO, Tatsuo Effect of gamma radiation on enzymes in apple, 25:24458
  - Effect of gamma radiation on pear, 23:48309
- OKAMOTO, Tatuo Effects of gamma rays on apple, 23:50974
- OKAMOTO, Y. Excitation and stabilization of ion acoustic waves in an rf plasma, 25:25183
  - Excitation and stabilization of ion-acoustic waves in RF plasma, 25:19744
  - Hydraulic performance in rod bundles of fast reactor fuels, 24:52917
  - Ion—acoustic waves generated by electron cyclotron resonance, 24:42727
- OKAMOTO, Yoshizo Anemometric characteristics of semiconductor flowmeter, 22:2451 (JAERI-1142)
  - Heat-conducting fins for a heat-transfer tube, 22:14350
  - Some aspects on heat transfer and fluid dynamics of high temperature gas cooled reactor, 25:60076
  - Thermal performances of radiative and convective plate-fins with mutual irradiation, 21:4665
- OKAMOTO, Yukio Comparison of 35-GHz microwave reflection probe method with 150-GHz microwave interferometry, 23:12766
  - Energy dispersion of positive ions effused from an rf plasma, 24:28247 (IPPJ-87)
  - Energy dispersion of positive ions effused from RF plasma, 24:35432
  - Microwave-discharge ion source for chemical accelerator, 25:16761
  - Plasma expansion in uniform field and shock formation, 22:41578
  - Quadrupole mass filter and its application to the study of plasma, 24:40042 (IPPJ-T-5)
  - rf ion source, 24:25968
- OKAMURA, H. Excitation functions for deuteron-induced reactions, 22:15996
  - Excitation functions for deuteron-induced reactions on ^{63}Cu and ^{65}Cu, 25:45968
  - Excitation functions for the deuteron induced reactions, 22:7701 (OU-LNS-67-10)
  - Half-life of /sup 113m/In, 21:30001
- OKAMURA, Hideo Program to calculate the isomeric cross sections of (d,p) reactions, 23:13310 (OU-LNS-68-12)
- OKAMURA, Hiroshi Absorption Regge cut in πN backward scattering, 25:53206
  - Diffraction peak at super-high energy based on the isobar-pionization model, 24:40427
  - Second class currents in high energy neutrino reactions, 25:56472
- OKAMURA, Kazuo Method for polymerizing tetrafluoroethylene, 22:33407
- OKAMURA, Masahiro Orientation dependence of boron diffusion, 24:44830
- OKAMURA, Nobuo Pathological studies of radioactivity effects in body disturbances. II, 22:10837
- OKAMURA, S. Radiation-induced cationic polymerization of isobutene, 21:34304
  - Radiation-induced polymerization of urea canal complex. I, 21:14264
  - Radiation-induced solid-state polymerization of trioxane, 24:13926
  - Radical and ionic species in radiation-induced polymerization, 21:23993
  - Radical induced cationic polymerization, 21:5921
  - Radioactivation analysis studies of polymerization reactions. I, 24:38800
  - Radioactivation analysis studies of polymerization reactions. II, 24:38929
  - Studies on radiation-induced ionic polymerization. II, 21:119
- OKAMURA, Seizo Acetylation of polyoxymethylene prepared by radioinduced polymerization of trioxane, 24:31390
  - Advanced research reactor uses for basic research in Japan, 25:54192 (A/CONF.49/P-820)
  - Behavior of trapped electrons in irradiated 3-methylpentane glass at 77°K, 22:16617
  - Charge scavenging in non-polar liquid, 23:43364
  - Dissociative electron capture process of methyl vinyl ether in organic glasses, 25:18456
  - Effects of metal salts on polymerization. VI, 23:33187
  - Electron spin resonance spectra of irradiated organic glasses, 23:43373
  - Electron spin resonance spectra of irradiated 2-methyltetrahydrofuran glass, 25:21057
  - Electron spin resonance study of irradiated cyclic ethers, 22:8129
  - Electron spin resonance study of irradiated cyclic ethers, 22:42714 (AEC-tr-6937, pp 117-32)
  - Electron spin resonance study of radiation- and free radical-induced reactions of methylenecycloalkanes, 21:22003
  - Electron spin resonance study on irradiated pyridine, 23:37982
  - ESR spectra of irradiated nitroethane and polynitroethylene, 24:22710
  - ESR study of irradiated polyoxymethylene, 22:8130
  - ESR study of irradiated polyoxymethylene, 22:42715 (AEC-tr-6937, pp 133-44)
  - ESR study of poly-3,3-bis(chloromethyl)oxetane irradiated with electron beams and ultraviolet light, 24:22691
  - ESR study on irradiated monomer and polymer of 3,3-bis(chloromethyl)oxetane, 21:19701
  - ESR study on irradiated monomer and polymer of 3,3-bis (chloromethyl) oxetane, 22:8104 (AEC-tr-6908, pp 145-53)
  - ESR study on irradiated organic glass containing styrene, 22:8128
  - ESR study on irradiated organic glass containing styrene, 22:42713 (AEC-tr-6937, pp 109-16)
  - ESR study on irradiated pyridine, 21:19700
  - ESR study on irradiated pyridine: effect of iodine addition, 22:8103 (AEC-tr-6908, pp 139-44)
  - ESR study on radiation-induced polymerization of isobutene, 21:19702
  - ESR study on radiation-induced polymerization of isobutene, 21:23937
  - Estimate of free ion life time by pulse electrical conductivity method, 22:8127
  - Estimation of free ion lifetime by pulse electrical conductivity, 22:42712 (AEC-tr-6937, pp 96-103)
  - Free ion mechanism on radiation induced polymerization of isobutyl vinyl ether, 22:42708 (AEC-tr-6937, pp 59-68)
  - Free ion mechanism on radiation-induced polymerization of isobutyl vinyl ether, 22:8123
  - Initiation of radiation ion polymerization and the characteristics of its growth reactions, 23:15903
  - Ion radical formation from α-methylstyrene in irradiated organic glasses, 23:31373
  - Ion radicals of styrene in irradiated organic glasses, 23:17394 (JAERI-5018, pp 70)
  - Ion radicals of styrene in irradiated organic glasses studied by electron spin resonance, 23:19760
  - Ionic graft copolymerization. VIII, 24:226
  - Ionic processes of vinyl ethers in irradiated 3-methylpentane glass, 23:35209
  - Mass spectra of pyridine and picolines, 22:8052
  - Mass spectra of pyridine and picolines, 22:42647 (AEC-tr-6937, pp 104-8)
  - Mass-spectrometric study in the radiation-induced polymerization of nitroethylene, 21:23938
  - Mechanism of radioinduced ionic polymerization, 22:40144
  - Method for copolymerizing ketene and formaldehyde with ionizing radiation, 22:6355
  - Method for polymerizing vinyl monomer by pre-irradiation, 22:35842
  - Method for producing a cation polymerization catalyzer of maleic acid anhydride and ether by radiation irradiation, 23:4657
  - Method for producing chlorinated polymeric substances by ionizing radiation, 21:5967
  - Method for the stabilizing of polyoxymethylene using high energy radiation and acetic anhydride, 25:21024
  - Molecular weight distribution of polyoxymethylene obtained in solid-state postpolymerization of trioxane induced by γ rays, 22:42744

  Radiation induced ionic polymerization. VI, 22:42709 (AEC-tr-6937, pp 69-74)
  Radiation induced ionic polymerization of styrene. VII, 22:42710 (AEC-tr-6937, pp 75-83)
  Radiation induced polymerization of some cyclic monomers in liquid state, 22:42707 (AEC-tr-6937, pp 54-8)
  Radiation induced polymerizations of α-olefines. II, 22:8097 (AEC-tr-6908, pp 64-73)
  Radiation-induced curing of prepolymers of some condensation systems, 23:26286
  Radiation-induced ionic polymerization of styrene. V, 21:19696
  Radiation-induced ionic polymerization of styrene. V, 22:8099 (AEC-tr-6908, pp 79-96)
  Radiation-induced ionic reaction by electrical conductivity. III, 21:19697
  Radiation-induced polymerization by electronic spectroscopy. I, 21:19703
  Radiation-induced polymerization by free ions. III, 21:19698
  Radiation-induced polymerization by free ions. II, 21:32155
  Radiation-induced polymerization by free ions. I, 21:32199
  Radiation-induced polymerization by free ions. III, 22:8101 (AEC-tr-6908, pp 117-29)
  Radiation-induced polymerization of α-olefines. III, 21:19695
  Radiation-induced polymerization of α-olefines. I, 21:19693
  Radiation-induced polymerization of α-olefines. II, 21:19694
  Radiation-induced polymerization of some ring compounds in the liquid state, 21:25886
  Radiation-induced polymerization of isobutene, 22:8105 (AEC-tr-6908, pp 154-6)
  Radiation-induced polymerization of some cyclic monomers in liquid state, 22:8122
  Radiation-induced polymerization of nitroethylene, 23:33226
  Radiation-induced polymerization of pentoxane, 24:11640
  Radiation-induced polymerizations of α-olefines. III, 22:8098 (AEC-tr-6908, pp 74-8)
  Radiation-induced polymerizations of α-olefines. I, 22:8096 (AEC-tr-6908, pp 56-63)
  Radiation-induced postpolymerization of nitroethylene, 24:16613
  Radiation-induced solid-state polymerization of trioxane, 21:19704
  Radiation-induced solid-state polymerization in binary systems. V, 21:36037
  Radiation-induced solid-state polymerization of vinyl compounds in binary systems, 21:36038
  Radiation-induced solid-state polymerization in binary systems. IV, 21:45174
  Radiation-induced solid-state polymerization of trioxane, 22:8107 (AEC-tr-6908, pp 173-82)
  Radical conversions in γ-irradiated 3-methylpentane—isobutene systems, 24:7448
  Radioinduced copolymerization of formaldehyde in liquid CO_2, 24:11561 (JAERI-5022, pp 53-8)
  Radioinduced copolymerization of styrene and acrylonitrile, 24:11557 (JAERI-5022, pp 33-6)
  Radioinduced electrical conductivity of n-hexane, 23:17460 (JAERI-5018, pp 65-7)
  Radioinduced electrical conductivity in n-alkanes at low temperature, 23:17461 (JAERI-5018, pp 68-9)
  Radioinduced polymerization by free ions. III, 21:42981
  Radioinduced polymerization in emulsion system. I, 24:11558 (JAERI-5022, pp 37-44)
  Radioinduced polymerization of adsorbed monomers. I, 24:11580 (JAERI-5022, pp 190-3)
  Radioinduced polymerization of isobutyl vinyl ether, 22:51013
  Radioinduced polymerization of isobutene at low temperature, 23:17462 (JAERI-5018, pp 73-7)
  Radioinduced polymerization of trioxane, 24:31388
  Radioinduced solid state polymerization. II, 23:17454 (JAERI-5018, pp 31-3)
  Reactions of active species in irradiated organic solids, 24:11582 (JAERI-5022, pp 196-8)
  Spectroscopic studies on radiation induced polymerization. II, 22:42716 (AEC-tr-6937, pp 145-57)
  Spectroscopic studies on radiation-induced polymerization. II, 22:8131
  Spectroscopic studies on radioinduced polymerization. IV, 24:11556 (JAERI-5022, pp 27-32)
  Spectroscopic studies on radioinduced polymerization. III, 24:11555 (JAERI-5022, pp 18-26)
  Stability of polyvinyl acetate emulsions produced by radiation-induced polymerization. II, 25:10594 (JAERI-5026, pp 26-34)
  Stability of polyvinyl acetate emulsions produced by radiation-induced polymerization. I, 25:10593 (JAERI-5026, pp 15-25)
  Studies on radiation induced solid state polymerization on the chain propagation in the solid state, 22:8132
  Studies on radiation induced solid state polymerization on the chain propagation in the solid state, 22:42717 (AEC-tr-6937, pp 158-69)
  Studies on radiation-induced free-ionic polymerization by electrical conductivity measurements. II, 25:10610 (JAERI-5026, pp 169-71)
  Studies on radiation-induced ionic polymerization. VI, 22:8124
  Studies on radiation-induced ionic polymerization of styrene. VII, 22:8125
  Studies on radiation-induced polymerization by electronic spectroscopy. I, 22:8106 (AEC-tr-6908, pp 157-72)
  Studies on radioinduced ionic polymerization by electric conductivity measurements. I, 24:11581 (JAERI-5022, pp 194-5)
  Study of radiation-induced ionic reaction by electrical conductivity. III, 22:8100 (AEC-tr-6908, pp 97-116)
  Study on the radiation induced free ion yields in n-alkanes, 22:42711 (AEC-tr-6937, pp 84-95)
  Study on the radiation-induced free ion yields in n-alkanes, 22:8126
  Trapped electrons in γ-irradiated 3-methylpentane, 21:19699
  Trapped electrons in γ-irradiated 3-methylpentane, 22:8102 (AEC-tr-6908, pp 130-8)
OKAMURA, Shigeaki Comparative studies on recovery from x- or γ-ray injury in mice, 23:33879
  Comparison between 200 kVp x-rays and ^{60}Co γ-rays by testicular weight loss of the mouse, 22:47593
  Comparison of the biological effectiveness between conventional x-rays and high energy radiations, 23:20363
  Protective effect of 2-mercaptoethylguanidine $^1/_2$ H_2SO_4 against x-ray injury, 23:50620
  Relative biological effectiveness of ^{60}Co γ-rays on the testes weight loss of the mouse, and influence of S-2-aminoethylisothiuronium Br-HBr, 23:35769
OKAMURA, Sigeaki Yearly changes of radiation exposure doses received by workers in radiological occupations at Kyushu Univ. Hospital, 22:36263
O'KANE, D. F. Melt growth of crystals in the Na_2O—BaO—Nb_2O_5 system, 24:14957
  Molten solution grown potassium sodium barium niobate crystals, 24:1075
  Phase equilibria in $NaNbO_3$—$BaNb_2O_6$ system, 23:27197
O'KANE, H. O. Distribution of rabbit anti-mouse thymus globulin, 23:43652
OKANE, Isao Rupture properties of large welded specimens of HT 70 steel. III, 22:43589
  Rupture properties of large welded specimens of HT70 steel, 23:998
OKANE, Shogo Design of facilities for production of ^{32}P, 24:31572
OKANI, S. N-1365 dose distribution display computer, 23:41158
OKANISHI, Hirofumi Combined effect of fast neutrons and γ rays in mice, 25:24368
OKANO, J. Mass spectrometric study on double β-decay, 23:1897
OKANO, K. A multicounter goniometer for gamma-gamma angular correlation measurements, 21:32408
  Excited states and transitions in ^{199}Au, 24:3930
  Excited states in ^{108}Pd, 25:25743
  Gamma transition studies of ^{125}Sb, 25:31388
  Investigation of reaction ^{9}Be(^{3}He,n)^{11}C in energy range 3.5 to 10 MeV, 22:41954
  Investigation of the reaction ^{9}Be(^{3}He,n)^{11}C in the energy range 3.5 to 10 MeV, 22:26892
  Multicounter goniometer for gamma—gamma angular correlation measurements, 24:4448
  Reaction ^{9}Be(^{3}He,n)^{11}C in energy range 3.5 to 10 MeV, 22:39577 (CONF-670970-, pp 161-77)
OKANO, Kotoyuki Decay of /sup 44m/Sc and ^{53}V, 25:38945
  Efficiency curves of Ge(Li) detectors and internal conversion coefficient spectrometer, 24:36597 (KURRI-TR-71)
  Excited states of ^{52}Cr and ground state spin of ^{52}V in the decay of ^{53}V, 25:28250
  Gamma rays in decay of ^{109}Cd, 23:49400
  Gamma—gamma angular correlation measurements, 23:47745
  Gamma—gamma angular correlations in ^{51}Ti and ^{64}Cu, 24:13323
  Measurement for short lived nuclei, 25:59782 (KURRI-TR-76, pp 21-6)
  Two-phonon states in ^{104}Pd, 25:28382
OKANO, Masaharu Environmental monitoring outside atomic energy installations. I, 25:15789
OKANO, Shigeki Energy dependency of neutrons in the range 0.43 to 14.1 MeV, 21:45791
  Energy dependency of RBE of neutrons in the range 0.43 to 14.1 Mev effect on DNA synthesis on cellular level, 22:40891
OKANO, Shigeo Automatic control of PWR power station, 24:24708
  Construction of Mihama Atomic Power Station, 23:47676
  Planning for the Mihama power station, 22:16174
  Planning for unit 1 of Takahama Nuclear Power Station, 24:26701
  State of constructions on Mihama atomic power station, 25:3779
OKANO, Yasuhiro Application of rare earth chelate compounds as activable tracer to tidal river flow study, 24:31478
OKANO, Yoshihiko Device for producing simulated reactor signals, 21:12209
OKAR, Sevim Determination of Tl by activation analysis based on reaction ^{203}Tl(n,2n)^{202}Tl, 21:10248 (CNAEM-39)
OKASHI, Nobuo Continuous measurement of natural radioactivity in the near-ground atmosphere by ionization chamber, 23:24318
OKASHITA, Hiroshi Method for producing radioactive tellurium, 25:15697
  Separation of radionuclides by spontaneous electrodeposition on mercury. I, 21:36094
  Separation of radionuclides by spontaneous electrodeposition on mercury. II, 21:36093
OKAWA, Haruo New radioisotope intestinal absorption test by linear scanning. I, 22:19390
  Studies on photoelectronic rescanning, 21:24504
OKAWA, Tokio Automatic control device for a charged-particle beam, 21:19141
OKAWA, Tomohiko Radiotherapy of brain tumors, 25:58069
OKAWARA, Makoto Retardation of discoloration of poly(vinyl chloride) and decolorization of discolored poly(vinyl chloride) with diimide, 22:35864
OKAYA, Takuji ESR study of irradiated polyoxymethylene, 22:8130
  ESR study of irradiated polyoxymethylene, 22:42715 (AEC-tr-6937, pp 133-44)
  Method of manufacturing improved polyoxymethylene graft copolymers using radiation, 22:51037
OKAYA, Y. Control computer in a chemistry department, 23:29257
OKAYAMA, Masatoshi Phase sensitive amplifier system for optical measurements, 24:44358
OKAYAMA, Shigeo Aberrations of electrostatic quadrupole lens for modified bell-shaped model, 24:26552
  Electron optical properties of quadrupole and octupole electron lenses, 23:5727
  Spherical aberration of electrostatic symmetrical quadrupole doublet, 24:26553
OKAZAKI, A. Determination of lattice parameters using a few rods, 21:30245 (AECL-2593)
  Determination of lattice parameters using few rods, 23:31220 (AECL-2593(Suppl.))
  Lattice measurements with 19-element rods of ThO_2—$^{233}UO_2$ in heavy water moderator. I, 22:7890 (AECL-2778)
  Neutron spectrum measurements in simulated Pb—Bi cooled 19-element UO_2 bundle, 24:13540 (AECL-3192)
  Studies of D_2O moderated natural U and ^{233}U—Th lattices, 22:22836
  Thermal neutron absorption cross sections of Zy-2, Cu, and Al, 23:8954 (AECL-3073)
  Thermal-neutron absorption cross-sections of gross fission products of ^{233}U, ^{235}U, and ^{239}Pu, 25:15100
OKAZAKI, Albert Lattice measurements with 19-element rods of ThO_2—^{233}U in heavy water moderator. II, 22:44882 (AECL-2779)
OKAZAKI, H. Fiber texture in drawn tungsten wires, 21:45940
OKAZAKI, Kiyohiko System for determination of time-varying spectral line profiles, 25:43343
OKAZAKI, Kuninobu Biosynthesis of testosteron in the testicular interstitial cells of a rat, 24:31849
OKAZAKI, M. Potential contribution of nuclear power to on-site generation of electric and steam power in Japanese industries, 25:28582
OKAZAKI, Masahiko Effect of tetrahydrofolic acid x-irradiated mice, 25:55268
OKAZAKI, Moriyoshi Container for disposing of radioactive wastes into the sea. VI, 21:26134
OKAZAKI, Moroe Ion-sensitive probe: new diagnostic method for plasmas in magnetic fields, 21:8646
OKAZAKI, Satoshi Rapid separation of radioactive nuclides by the electrolytic chromatography, 22:51074
OKAZAKI, Shuji Controlled-potential coulometric titrator, 21:38906
  Potentiometric determination of plutonium in nitric acid medium, 24:2129
  Potentiometric determination of plutonium in nitric acid medium, 24:4202
  Titration of uranous nitrate solutions with alkali, 23:45204
OKAZAKI, T. Separation of radioactive elements by the electrolytic chromatography, 24:31454
OKAZAWA, Yoshishige Alkali halides as agents enhancing the lethal effect of ionizing radiations on microorganisms, 21:36766
OKAZIMA, Shunzo Carcinogenesis induced by medical radiation, 22:10872
  Measurement of amounts of Thorotrast deposited, 22:6731
  Measurement of residual radioactivity in Nagasaki, 22:10770
OKE, J. B Absolute spectral energy distribution of quasi-stellar objects, 24:12542
OKE, J. B. Absolute spectral energy distribution of alpha Lyrae, 24:46875
  Abundances in two horizontal-branch A stars, 23:14472
  Effective temperature, radius, and gravitational shift of Sirius B, 25:58511
  Effective temperatures and gravities of lambda Bootis stars, 22:4954
  Effective temperatures of B- and A-type stars, 25:30094
  Emission-line spectrum of 3C 273, 21:31126
  Energy distributions and K corrections for light from giant elliptical galaxies, 25:55793
  Energy distributions, K corrections, and the Stebbins—Whitford effect for giant elliptical galaxies, 22:52387
  Inferences from spectrophotometry of quasi-stellar sources, 25:9074
  Maffei 1: a new massive member of the Local Group, 25:9148
  Nature of candidate star for pulsating radio source CP 1919, 23:14508
  Non-thermal component in continuum of NGC 1068, 22:36686
  Nucleus of Seyfert Galaxy NGC 4151, 22:21839
  Optical variations in radio galaxy 3C 371, 22:795
  Photoelectric spectrophotometry of 4C 05.34, 24:37072
  Photoelectric spectrophotometry of B264, 23:51250
  Photoelectric spectrophotometry of the Crab pulsating radio source NP 0532, 23:22750
  Seyfert galaxies, 24:15112
  Seyfert galaxy NGC 4151, 23:51331
  Spectrophotometric observations of rapid variability in 3C 279 and 3C 446, 21:20679
  Spectrophotometry and infrared photometry of BL Lacertae, 23:22719
  Spectrophotometry of VZ Cancri, 21:13332
  Ton 202, a quasi-stellar radio source, 24:51317
  Unusual composition of +39°4926, 24:15009
  Variable compact galaxy Zw 0039.5 + 4003, 24:17602
  Variable radio-quiet compact galaxy I Zw 1727 + 50, 22:11123
OKE, J. G. Visual and infrared observations of Sco XR-1, 23:14489
O'KEEFE, D. A. Electrowinning of beryllium, 23:10180

- Selection of anode materials and operating conditions for electrowinning beryllium, 24:14657 (BM-RI-7347)
- O'KEEFE, D. P. FFTF examination facility atmosphere impurity control requirements, 23:14293 (BNWL-948)
  - Fuel support-process tube interaction, 23:16460 (BNWL-746, pp 9.1-5)
  - Prog. rpt. on tungsten—technetium alloys, concluding, 10/1/66—8/1/68, 22:52144 (BNWL-865)
  - Prog. rpt. on W—Tc alloys, 1—4/66, 21:20487 (BNWL-378)
  - Prog. rpt. on W—Tc alloys, 4—10/66, 21:24725 (BNWL-414)
- O'KEEFE, D. R. Preferential scattering of Ar from LiF, 23:32137
  - Rare-gas scattering from LiF: correlation with lattice properties. II, 24:19727
  - Reflection and diffraction of ^{3}He, ^{4}He, H_2, and D_2 from surface of LiF, 24:35152
  - Reflection and diffraction of ^{3}He, ^{4}He, H_2, and D_2 from (001) surface of LiF, 25:16763
  - Reflection and diffraction of He, D_2, and H_2 from LiF, 23:10447
- O'KEEFE, M. Isotope effects in the conductivity of KH_2PO_4 and KD_2PO_4, 22:4123
- O'KEEFE, R. J. Precision alignment of a large beam transport system, 21:38108
- O'KEEFE, T. Magnetic structure of $HoFe_2$, 25:1310 (CONF-700403-(Vol.1), pp 34-40)
- O'KEEFE, T. J. Dysprosium—lead system, 22:31398
  - Fe—Ho binary system, 24:48855
  - Magnetic properties of Ho_6Fe_{23} and $HoFe_2$, 25:5211
  - Neutron-diffraction study of the Ho—Fe system, 25:47654
  - Synthesis and identification of intermetallic compounds in Fe—Ho system, 22:23809 (CONF-670502-, pp 449-51)
- O'KEEFE, T. M. (p,p'n), (p,p'γ), and (p,np') reactions on ^{116}Sn and ^{60}Ni, 22:42048
  - Detection of the singlet deuteron (d) and the reaction ^{9}Be(p,d)^{8}Be, 21:29870
  - Deuteron disintegration by Au, Rh, Cu, and C from 8 to 15 MeV, 22:9794
  - Singlet deuterons (d) from (p,d) reactions, 23:30960
- O'KEEFE, W. Tooling up for nuclear power, 23:43446
- O'KEEFE, William Corrosion: its price goes up steadily, 22:52134
- O'KEEFFE, M. Isotope effects in the diffusion and solubility of hydrogen in nickel, 21:13648
  - Isotope effects in the diffusion and solubility of hydrogen in nickel and quantum mass effects in diffusion, 21:40810 (AD-647366)
  - Quantum mass effects in diffusion, 21:42183
  - Reduction of the isotope effect in diffusion of hydrogen in nickel at low temperatures, 22:21082
  - Solubility and diffusion of hydrogen and deuterium in platinum, 23:210
  - The solubility of hydrogen in transition metals and alloys, 22:15197
- O'KEEFFE, Michael Conference on chemistry of extended defects in non-metallic solids, Scottsdale, Ariz., 4/69, 25:22185
- O'KEIFF, Gustav Mason Acoustic oscillations in partially ionized argon columns, 25:14380
- OKEL, J. G. R. Interpretation of alkali—inert-gas beam scattering with Buckingham—Corner potential, 25:35886
  - Potential for the interaction of atoms and heavy polar molecules in thermal scattering, 25:9232
- O'KELLEY, G. D. Decay of ^{196}Au, 25:5728
  - Decay of ^{84}Rb, 22:26942
  - Neutron activation analysis of the Allende meteorite, 23:31308
- O'KELLEY, G. Davis Decay of 8.8 min ^{49}Ca to levels in ^{49}Sc, 24:3896
  - Elemental compositions and ages of lunar samples, 24:21542
  - Levels in ^{101}Ru populated by decay of ^{101}Tc, 25:43899
- OKENKA, F. ESR of trapped electrons and free radicals formed in olefins at 77°K by γ irradiation, 21:25910
- OKETANI, Shigueo Electron diffraction determination of the ionization of the C atom in β-Mo_2C crystal, 21:9241
- OKHANOVA, L. A. Arsenazo III and its analogues. V, 22:40093
  - New organic reagents for niobium, 25:2199
  - Studies on the analytical chemistry of scadium, 21:35893
- OKHEMCHUK, L. N. Emissivity of monocarbides of titanium and niobium and their alloys in the region of homogeneity, 25:52966
- OKHIMENKO, L. S. Method and parameter determination program for computing space coordinates of track points in a bubble chamber, 22:4472 (JINR-P1-3487)
- OKHLOPKOV, V. P. Cosmic-ray studies by Elektron-2 and Elektron-4, 21:31272
  - Modulation of cosmic rays at solar activity minimum, 24:3210
- OKHLOPKOVA, V. A. Cross sections of the pion—nucleon interactions, 25:50066 (JINR-P2-5924)
  - Inelastic meson—nucleon interactions in range of 1 GeV, 22:9609
- OKHOTIN, A. S. Methods of investigation of thermoelectric properties of semiconductors, 25:9590
  - Radioisotopic and reactor thermoelectric converters of energy, 25:46319
- OKHOTIN, V. E. Wilson chamber for investigating photomeson processes, 23:11862
- OKHREMCHUK, L. N. Preparation and properties of carbides of transition metals in their homogeneity range, 25:52430
  - Work function of titanium and niobium carbides in the homogeneity region, 25:33458
- OKHREMENKO, N. M. Basic theory and design of linear liquid metal induction pumps, 22:43973
  - Experimental determination of channel drag coefficients during turbulent mhd flow in the presence of a traveling magnetic field, 22:9155
  - Experimental study of velocity distribution in a turbulent mercury flow in the channel of a plane induction pump, 22:38861
  - Shunting effect of conducting walls of channel in flat MHD machine, 23:48778
- OKHRIMENKO, L. S. Accuracy of γ-quanta energy determination in Xe bubble chamber, 21:30695 (JINR-P1-3317)
  - Determination of recording efficiency of γ-quanta in xenon bubble chamber, 22:45335 (JINR-P13-3918)
  - Effective mass spectra of the γγ, $\pi^0\gamma$, $\pi^0\gamma\gamma$, $\pi^0\pi^0$, π^0eta^0, $\pi^0\pi^0\gamma$, $\pi^0\pi^0\pi^0$ systems in mass value region M (γ.......γ) less than or equal to 1.3 GeV, 25:14560 (JINR-E1-5349)
  - M($\pi^0\pi^0$) effective mass spectrum, 23:42564
  - Neutral bosons decaying into π^0 mesons and γ quanta, 21:17043 (JINR-E1-3100)
  - Neutral decay modes of the eta^0 particle, 25:17353 (JINR-E1-5256)
  - Neutral decays $\omega^0 \rightarrow$ etaγ and $\omega^0 \rightarrow \pi^0\pi^0$ γ, 23:42563
  - Precision of the determination of the energy of gamma quanta in xenon bubble chambers, 22:38084
- OKHRIMENKO, N. N. Clinical picture of myelopathy developing after radiation therapy, 24:36845
- OKHRIMENKO, Ya. M. Deformation of Nb-base alloys, 24:17295
- OKI, Arahiko Analysis of reactor containment, 21:25744
  - Device for containing a nuclear reactor, 22:44939
  - Temporary shield for a nuclear reactor, 22:44938
- OKI, Hideo Ion exchange of Er and Tm with HEDTA, 24:11664
  - Theoretical treatment of elution system of rare-earth with dilute HEDTA eluant, 24:14014
- OKI, Hisaya Thermal properties of deuterated Cu(II) sulfate pentahydrate, 25:10565
- OKI, Iwashiro Gamma ray spectrometry of the natural radioactivity, 23:47652
  - Highly radioactive fallout particles ingested by mice, 21:12788
  - Influence of the third Chinese nuclear test, 22:10380
  - Natural radioactivities in floating dusts and radioactivities in fallout from the second Chinese nuclear explosion, 21:41023
  - Radioactivity in fallout and natural radioactivity in airborne dust at time of second Chinese nuclear explosion, 22:25535 (NSJ-tr-98)
  - Strongly radioactive particles ingested per os by mice, 23:17926
- OKI, Shinhiko Method for controlling the output of a nuclear reactor, 22:18536
- OKI, Shohachiro Complexes formed in chloroform extraction of U(VI) with oxine, 23:40828
  - Uranium(VI) complexes of oxine in chloroform, 23:17445
- OKI, Takeo Preparation of U by means of reduction of UO_2 by Ca vapor, 22:4754
  - Preparation of U by means of reduction of UO_2 by Ca vaper, 22:19500
- OKIA, Nathan Opolot Effect of ovariectomy and replacement therapy on rat anterior pituitary fsh and nucleic acids, 23:41206
- OKIGAKI, Tohru Effect of laser radiation on mitosis, 23:50345
  - Tyrosine α-ketoglutarate transaminase induction by dexamethasone in new adult rat liver cell line (RLC), 24:29155 (UCLA-12-774)
- OKINAKA, H. Electrical properties of V_6O_{11} single crystal, 25:9580
  - Phase equilibria and thermodynamic properties in V/sub n/O/sub 2n-1/ system, 25:29952
- OKINAKA, Hideyuki Phase equilibria study on V/sub n/O/sub 2n-1/ system, 24:19516
  - Shear structure of V/sub n/O/sub 2n-1/, 24:46795
- OKITA, Isao Effect of glutathione on the protection against radiation, 25:11098
- OKK, M. F. Optical and thermal electrons and photostimulated luminescence in KCl:Tl, 21:29379
- OKLADNIKOVA, N. D. Study of acute radiation disease, 24:34268
- OKOLICSANYI, I. Nephropathy secondary to irradiation, 24:25581
- OKOLICSANYI, L. Nephropathy secondary to irradiation, 25:4714
  - Secondary irradiation nephritis, 23:38877
- OKOLOVIC, V. N. Installation of a large diameter central channel in VVR-K, 24:26817
- OKOLOVICH, V. N. Angular anisotropy of fission of nuclei lighter than gold by 40-MeV α particles, 23:11009
  - Dependence of the mean kinetic energy of fragments on the excitation energy of the fissioned nucleus, 22:14063
  - Device for multiparametric investigation of nuclear fission, 25:18670
  - Energy dependence of average kinetic energy of fission fragments, 22:46766 (LA-tr-68-19)
  - Fission of ^{204}Pb and ^{206}Pb by alpha particles near threshold, 24:52573
  - Function of the average kinetic energy of fission fragments of heavy nuclei, 23:32953 (LIB/Trans-200)
  - Kazakhstan scientific-research reactor VVR-K, 23:19533
  - Mean kinetic energy of ^{238}U fragments at fission by 6- to 9-Mev-neutrons, 22:22603
  - Mean kinetic energy of fragments of ^{235}U and ^{238}U during neutron fission with energy E/sub n/ = 5 to 9 MeV, 22:44714
  - Precise comparison between medium, kinetic energy particles during separation of ^{235}U excited neutrons and neutrons with 5-MeV average energy, 23:37194 (LIB/Trans-199)
- OKOLOWSKI, J. A. Relativistic two-body scattering, 23:7194
- OKOLOWSKI, John Anthony Transposition-invariant symmetry breaking in nonlinear quantum field theory, 24:18279
- OKONISHKOVA, I. E. Operation of industrial x-ray installations, 22:51592
- OKONOGI, Hisaichiro Nonleptonic decay process, 22:29672
  - Some considerations on the weak interaction, 23:25584
- OKONOGI, Takashi Effect of radiation on immunity against homologous and heterologous transplantation of tumors. I, 22:47492
- OKONOV, E. Interaction of 120 MeV K/sub L/^{0}-mesons with Ar, Cu, Pb nuclei, 21:33699 (JINR-P1-3375)
  - Interaction of K^0/sub L/ mesons (mean energy 120 MeV) with nuclei Ar, Cu, and Pb, 22:13986
  - Possibility to test the CP-invariance in K/sub s/^{0} → 3π decays in correlation experiments with K^0 anti K^0 pairs, 21:33674
  - Regeneration process K/sub L/^{0} → K/sub S/^{0} at high energies, 22:34932 (JINR-P1-3788)
  - Regeneration process of K/sub L/^{0} → K/sub S/^{0} at high energy, 23:16957 (BNL-tr-243)
  - Search for long lived Λ^0 hyperons, 21:31523
- OKONOV, E. O. Correlation properties of K^{0}antiK^0, 21:31580 (JINR-P2-3310)
  - Correlation properties of K^{0}antiK^0-pairs, 22:13749
  - Interference effects in decay of neutral K-mesons into 2π mesons, 22:13715
  - Interference of $K_2 \rightarrow \pi^+\pi^-$ and $K_1 \rightarrow \pi^+\pi^-$ decays in correlation experiments with K^{0}anti K^0 pairs, 21:11764
  - Possible disturbance of CP invariance, 22:9650
- O'KONSKI, C. T. Field effect transistor in nuclear quadrupole resonance spectrometers, 22:8414
- O'KONSKI, Chester T. Inner electron binding energy in atoms and ions, 23:48718
- OKORIE, Ogba A. Optical and electrical properties of ytterbium thin films, 22:24399 (CONF-670502-, pp 581-90)
- OKORIE, Ogba Agba Optical and electrical properties of rare earth thin films, 22:14550
- OKOROKOV, A. I. Spin waves near Curie point, 23:36797
- OKOROKOV, V. V. Angular distributions and neutron spectra in (d,n) reactions on medium atomic weight nuclei, 21:9992
  - Excitement of analogue states in reactions ^{58} ^{60}Ni(d,n)^{59} ^{61}Cu, 23:37153
  - Neutron polarization in (d,n) reactions, 22:48500
  - Particle—hole configurations of even—even nuclei of ^{60}Ni, ^{64} ^{66}Zn, 23:1823 (ITEF-596)
  - Particle-hole configurations of nuclei ^{60}Ni, ^{64} ^{66}Zn, 23:13230
  - Reactions ^{58} ^{60} ^{62} ^{64}Ni(d,n)^{59} ^{61} ^{63} ^{65}Cu and ^{64} ^{66} ^{68}Zn(d,n)^{65} ^{67} ^{69}Ga, 23:3964 (ITEF-595)
  - Reactions ^{58} ^{60} ^{62} ^{64}Ni(d,n)^{59} ^{61} ^{63} ^{65}Cu and ^{64} ^{66} ^{68}Zn(d,n)^{65} ^{67} ^{69}Ga, 23:8959
  - Structure of proton states for nuclei ^{51} ^{53} ^{54} ^{55}Mn and ^{55} ^{57} ^{59}Co, 23:3965 (ITEF-598)
- OKOSHI, N. Measurement of natural radioactivity in near-ground atmosphere, 23:9724
- OKOYE, S. E. Irregularities of plasma density in the solar neighborhood, 22:17300
  - Occurrence of large ionospheric irregularities, 22:19860
- OKRENT, D. Computing methods in reactor physics, 23:2114
  - Design and safety in large fast power reactors, 23:43140
  - Instrumentation systems to protect LMFBR core integrity, 25:31574 (ANL-7793)
  - Neutron energy spectra for fast reactor irradiation effects, 24:7082
  - Neutron-energy spectra for fast reactor irradiation effects, 24:47830
  - Physics measurements in an operating fast breeder power reactor, 21:27751
- OKRENT, David Reactivity coefficients in large fast power reactors, 24:38496
  - Some recent operating experience with EBR-II, 22:53442
- OKRESS, Ernest C. Microwave power engineering. II, 24:25475
- OKROASHVILI, G. G. Distribution of radioactivity in the atmosphere, 24:7839
  - Measuring the natural radioactivity of the free atmosphere, 25:23800
- OKROS, Istvan Changes in rat thymus following irradiation, 24:31847
- OKROS, Jozsef Studies involving the neuraminic acid metabolism of dogs following x-ray irradiation of their brain with massive doses, 24:34116
- OKSAK, A. I. Covariant structure of the two-point function, 23:21146 (JINR-P2-4115)
  - Covariant structure of the two-point function, 24:10825
  - CPT and infinite-component fields, 24:45575 (JINR-E2-5160)
  - Degeneracy of mass spectrum for infinite-component fields, 24:37898
  - Degeneracy of the mass spectrum for local infinite-component fields, 25:47958
  - Hypothesis of commutative superselection rules, 22:34868 (JINR-E2-3799)
  - Invalidity of TCP-theorem for infinite-component fields, 22:41842 (JINR-E2-3854)
  - Invalidity of TCP-theorem for infinite-component fields, 23:8843
  - Kaellen—Lehmann spectral density, 22:26686 (JINR-P2-3740)
  - Normal form of operators in Fock space, 22:26685 (JINR-P2-3739)
  - Two-point functions for local infinite-component fields, 24:13141 (JINR-P2-4812)
- OKSIUTIK, G. A. RF-probe admittance in the ionosphere, 24:37351
- OKSMAN, J. Movements of radio aurora, 21:46230
  - Proposed annual and sunspot cycle variation of the plasmasphere, 25:35968
  - Temporal variations of the sporadic E layer at Sodankylae, 21:16863
- OKSMO, Oeyvind Effects of temperature on x ray inactivation of trypsin, 22:45425
- OKSUZ, Iskender Theory of atomic structure including electron correlation, 22:43917

OKSYUK, A. A. Collisions between fast protons or H atoms and O_2 molecules, 25:13999
OKSYUK, Yu. D. Effect of vibrational excitation on the dissociation of the molecular hydrogen ion under electron and proton impact, 22:9036
  Photodissociation of the molecular hydrogen ion, 22:7134
  Questions on theory of excitation of oscillatory and rotating states of diatomic molecules, 22:41293 (NP-17519)
OKTAY, Erol Absorption of He—Ne laser radiation in exploded lithium wire plasma, 24:32830
OKU, T. Brittle transition temperature of pressure vessel steels, 24:25176
  Dislocation loops in neutron-irradiated tungsten, 24:8523
  Neutron-irradiation effects on the correlation of flow stress with hardness of some bcc metals, 25:40088
OKU, Taiji Radiation effects in semiconductor devices and their applications, 22:14903
OKU, Takayuki Clinical observations on grid irradiation, 21:16476
OKU, Tatsuo Hardness method for detecting the transition of brittleness of steels and its application, 25:49426
  Plastic deformation of zone-refined W between 4.2 and 300°K, 25:6882 (JAERI-Memo-4124)
  Studies on the mechanical properties of hot rolled beryllium at elevated temperatures, 22:666
  Studies on the mechanical properties of hot extruded beryllium at elevated temperatures, 22:665
OKUBO, A. Observations and theory of eddy movement and diffusion of an introduced tracer material in the surface layers of the sea, 21:16030
OKUBO, Akira Oceanic diffusion diagrams, 22:51120 (NYO-3109-35)
  Oceanic mixing, 24:24948 (NYO-3109-49)
  Physical processes of mixing in ocean and coastal waters, 24:14097 (NYO-3109-40)
  Prediction of probable distribution of concentration from hypothetical radioactive sources on continental slope off East Coast of U. S. I, 22:25616 (NYO-3109-32)
  Probable distribution of concentration from hypothetical radioactive sources on continental slope off east coast of U. S, 23:475 (NYO-3109-37(Pt.2))
  Rising plume problem in sea, 22:21215 (NYO-3109-31)
  Rising-plume problem in the sea, 22:21214 (NYO-3109-30)
  Rising-plume problem in the sea, 22:21213 (NYO-3109-29)
  Rising-plume problem in the sea, 22:21212 (NYO-3109-28)
  Use of isotopic decay rates in turbulent dispersion studies, 25:15793
OKUBO, Atsuo Turbines for nuclear power stations, 23:9103
OKUBO, Dan Double-drift thin-window planar Ge(Li) detectors, 24:2453 (UCRL-71787)
  Double-drift thin-window planar Ge(Li) detectors, 24:39245
OKUBO, Hiroshi Acetylation of polyoxymethylene prepared by radioinduced polymerization of trioxane, 24:31390
OKUBO, M Experimental studies on 20 percent enriched uranium—light water assembly (TITAN). II, 23:21532
OKUBO, M. Neutron time-of-flight spectrometer at JAERI Linac, 21:43226 (JAERI-1138)
  Neutron-resonance parameters of cadmium and antimony, 23:5898
OKUBO, Masaki Simulated experiment of the sky shine in water, 23:20252
OKUBO, Masanori Albedo component of gamma rays passing through a cylindrical duct, 21:21014
OKUBO, Masao Gamma-ray induced telomerization reactions between allylic compounds and C tetrachloride. IV, 21:36041
  Gamma-ray induced telomerization reactions between allylic compounds and C tetrachloride, 23:6174
  Producing addition product 1:1 and 2:1 from allyl acetate and carbon tetrachloride, 23:13767
  Products of γ induced telomerization between allyl alcohol and C tetrachloride, 21:15952
  Products of γ-ray induced telomerization reaction between allyl alcohol and carbon tetrachloride, 23:2308 (NSJ-tr-127)
  Relative reactivities of allyl carboxylates in the γ-ray induced telomerization reaction with carbon tetrachloride, 21:4559
  Relative reactivities of allylic compounds in the γ-ray induced telomerization reaction with carbon tetrachloride, 21:4558
OKUBO, Noriaki Nuclear spin—lattice relaxation in superconducting mixed state, 22:34544
  Nuclear spin—lattice relaxation in superconducting mixed state, 23:18552
OKUBO, S. $A_1 \rightarrow$ rhoπ and rho $\rightarrow 2\pi$ decays, 22:1433
  Are quarks fractionally or integrally charged, 21:2413
  Asymptotic SU(3) and vector meson decays, 21:37785
  Asymptotic symmetry and ω, phi $\rightarrow 2\pi$ decays, 24:18135
  Broken chiral symmetry and corrections to soft pion theorems, 24:37722 (UR-875-310)
  Broken chiral symmetry. I, 24:37824
  Broken chiral symmetry. III, 24:37845
  Broken chiral symmetry. II, 24:37837
  Chiral symmetry and the Kuo transformation, 24:40431
  Continuous breaking of chiral symmetry, 24:5292
  Corrections to soft-pion theorem in K/sub l3/ decay, 24:45473
  Derivation of van Kampen's causality condition for complex potentials and related problems, 21:13900
  Dispersion sum rules and the p-n mass difference, 23:36942
  Does the electromagnetic current have a unitary singlet component, 23:36883
  Electromagnetic mass differences of baryons based upon Reggeized tadpole model, 22:9544
  Eta symmetry without C nonconservation, 22:50392
  Evidence of transformation in Micrococcus lysodeikticus, 22:51509
  Gross CP violation, 23:36971
  Intermediate vector mesons and CP-violations, 24:1629
  Low-energy theorem in the radiative decays of charged pions, 21:44333
  Mechanism of repair of DNA in bacteriophage. I, 24:14429
  Model of maximal CP violation, 23:8826 (UR-875-259)
  Model of maximal CP violation, 23:44688
  New approach to algebra of currents and application to K $\rightarrow 2\pi$ decay, 21:37756
  New πN superconvergent sum rules and determination of P'-trajectory parameters, 22:26654
  Nonleptonic decays of hyperons on basis of algebra of currents, asymptotic SU(3), Regge poles, and dispersion relations, 22:34999
  Sign and model dependence of $\pi^0 \rightarrow 2\gamma$ matrix element, 23:25566
  Singularity structure of broken chiral symmetry, 24:37819 (UR-875-311)
  Spectral sum rules for three-point functions and their application to $\pi^0 \rightarrow 2\gamma$ decay, 23:7121
  Strong interaction IVB models, 23:25594 (CERN-69-7, pp 371-89)
  Sum rules for virtual Compton scattering of pions, 22:37111
  Symmetry, superconvergence, and sum rules for spectral functions, 21:23347
  Tests of new π—N superconvergent dispersion relations, 21:33701
  Tests of sum rules based upon the Regge pole model, 21:17130
  Uv-irradiated DNA, 23:48284
  Variational method and chiral symmetry model, 25:22748
  Weak, strong, and electromagnetic interactions of intermediate vector mesons, 23:1624
  Yang—Mill intermediate bosons and CP violation, 22:24703
OKUBO, Seiji Characteristic features in nonleptonic hyperon decays and composite models, 25:53124
  Meson mass formula in nonet scheme, 25:53095
OKUBO, Shunzo Deoxyribonuclease activity specific for uv-irradiated DNA: chromatographic analysis, 21:28374
  DNA synthesis in uv-sensitive mutants of Bacillus subtilis, 22:14943
  Endonucleolytic activity specific for ultraviolet-irradiated DNA, 21:41339
  Mutant of M. lysodeikticus defective in deoxyribonuclease activity specific for uv-irradiated DNA, 21:28375
OKUBO, Susumu Asymptotic SU(6)/sub W/ spectral sum rules. I, 24:18239
  Asymptotic SU(6)/sub W/ spectral sum rules. II, 24:18259
  Exact bounds for K/sub l3/ decay parameters, 25:38719
  General properties of q-number Schwinger terms, 25:14589
  Generalized algebra of currents and Regge poles, 22:5561
  Kuo transformation in linear and nonlinear chiral-symmetry theories, 25:9825
  Models of hadrons, 22:3369
  New approach to algebra of current and Weinberg sum rules, 21:46530 (UR-875-214)
  New improved bounds for K/sub l3/ parameters, 25:59411
  Regge pole and generalized algebra of currents, 21:15275 (UR-875-179)
  Reggeized tadpole model and electromagnetic mass differences, 21:15293
  Second-class currents in weak interactions, 25:7619
  Test of quark models and asymptotic symmetry, 23:32649 (UR-875-279)
  Tests of models of elementary particles, 21:13700
  Tests of models of elementary particles, 21:17102
  Theory of second class currents in weak interactions, 25:17454 (UR-875-331)
  Unified theory of CP-conserving and -violating weak interactions, 23:1667
OKUBO, T. Effect of thermal cycling on the stress orientation of hydride in zircaloy, 25:45079
OKUBO, Tadatsune Aging, reversion, and reaging of Cu—Be alloys, 23:41645
  Circumferential ductility of fuel cladding tubes, 23:27087
  Textures of extruded bar and tube and drawn wire of Be, 21:39569
OKUBO, Takayoshi Studies on the fluidized bed calcination of high level radioactive liquid wastes, 25:18630
OKUBO, Takenori Radiolysis in naphthalene single crystals, 24:25082
  Radiolysis in naphthalene single crystal, 24:31371
OKUBO, Teiji Determination of rhenium in rhenium—tungsten alloy, 22:1972
OKUBO, Tsutomu Crystal modifications of binary systems containing molten zirconia, 22:7067
  Reactions in system ZrO_2—SrO, 23:27187
OKUDA, Atsuyuki Radiation-induced binding of phenylalanine and OH substituted derivatives, 25:8280
OKUDA, H. Finite-size particle physics applied to plasma simulation, 24:49160
  Infrared spectrum of the galactic centre, 24:28039
  Theory and experiments for plasma consisting of clouds interacting with clouds, 23:1428 (LA-3990, pp D2.1-5)
OKUDA, Hideo Collisions in a plasma of finite-size particles, 24:40086
  Computer experiment on Ferraro—Rosenbluth problem, 22:7277
  Computer experiments on plasma instabilities due to anisotropic velocity distributions, 23:23170
  Numerical simulation of plasma diffusion across a magnetic field in two dimensions, 25:47500
  One-dimensional plasma model in the presence of a magnetic field, 22:44168
  Theory and experiments for a plasma model using finite-size particles, 25:52825
OKUDA, K. Effects of radiation and diarrhea on intestinal absorption of vitamin B_{12}, 22:49545
OKUDA, Kinnosuke Separation of cerium-group rare earth elements by ion exchange, 23:7622
OKUDA, Kunio Effects of ethylenediaminetetraacetate and metal ions in intestinal absorption of vitamin B_{12} in man and rats, 21:22298
OKUDA, M. Reappearance of multiple midlatitude auroral arc, 25:35969
OKUDA, Mitsunao Decrease in intensity of [OI] 6300 A airglow toward dawn, 24:12702
  Isophoto-maps of airglow, 24:30236
  Seasonal variation in temperature in the nighttime F region, 21:9420
  Time-variation of airglow, 24:30237
OKUDA, S. Dislocation pinning during recovery after fast-neutron irradiation, 24:14824
  Effect of plastic deformation on recovery of stage I after neutron irradiation, 24:8525
  Recovery in copper after neutron irradiation, 23:34054
  Recovery of fast neutron irradiated molybdenum, 25:19861
OKUDA, Shigeo Electrical resistivity measurements of deformed metals after low-temperature neutron irradiation, 25:35501
  Recovery of fast neutron irradiated molybdenum at low-temperature, 22:43626
  Recovery of fast-neutron-irradiated iron at low temperatures, 23:32560
  Recovery of fast-neutron-irradiated copper and gold at low temperatures, 23:32561
  Recovery of low-temperature fast neutron irradiated tungsten, 25:27228
OKUDA, T. Light scattering from a strongly inhomogeneous plasma, 25:1186
  Measurement of electron density and temperature in slow theta-pinch plasma by laser scattering, 25:25099
  Operating theta pinch in very low-pressure region, 24:17910
OKUDA, Takayoshi Application of Z-pinch preionization to slow theta pinch, 24:17949
  Electric field in a steady collision-dominated three components plasma, 21:29235
  Electrostatic instability of cylindrical, collosion-free injected plasma of zero temperature in presence of longitudinal magnetic field, 21:27209
  Excitation and damping of continuous pseudo-acoustic and ion waves in a plasma, 24:40149
  Experimental investigation of slow theta pinch plasma (BSG I'), 25:7366 (IPPJ-96)
  Ion wave damping in a nonuniform plasma, 23:44469
  Measurements of electron temperature and density of slow theta-pinch plasma by laser scattering, 23:12787
  Measurements of electron temperature and density of slow theta pinch plasma by laser scattering, 25:1175
  Plasma injection into a curvilinear magnetic field, 24:40117
  Steady-state properties of a collision-free, cylindrical plasma injected in longitudinal magnetic field, 21:16931
  Two-photon ionization of cesium and sodium vapors, 24:51687
OKUDAIRA, Kiyoaki Gamma-ray burst of the Sun, 24:1202
OKUDAIRA, Masahiko Relationship between ^{90}Sr concentration in bone and skeletal locality, 24:2550
OKUDAIRA, Sadayuki Multiple ionization of Ar and Mg by electron impact, 24:32647
  Multiple ionization of Ca, Sr, and Ba by electron impact, 24:39868
OKUGI, Minoru Tyzzer's disease in laboratory animals, 22:47586
OKUHARA, Seiyu Radiation-induced mandibular necrosis, 21:18164
OKULOV, B. V. Bremsstrahlung intensity near accelerators as a function of electron energy, 25:1679
  High-intensity 25-MeV betatron, 21:42497
OKULOV, V. I. Quantum spin waves, 23:44417 (AEC-tr-7063)
OKULOV, Yu. I. Analysis of possible effects caused by magnetic charges in cosmic space, 21:29066
  Determination of coupling factors of neutron component of cosmic rays on basis of data obtained on board the schooner "Zarya", 22:11245
  Dirac monopole, 22:2833
  Motion of a monopole in a magnetic dipole field, 22:15474
OKUMA, A. Postoperation inspection on JPDR pressure vessel, 24:26697
OKUMA, Akira Inspection of JPDR pressure vessel with a borescope, 25:54122
OKUMA, Isamu Brittle fracture prevention in thick plates for nuclear reactors, 23:14341
OKUMA, Juzo Newly constructed hot caves, 24:31570
OKUMA, Y. Reactions $(\alpha$,t) on medium-weight nuclei, 22:27025
OKUMA, Yasuhiko Elastic scattering of O ions by ^{10} ^{11}B, 22:22555
  Energy spectra of inelastic scattering of 28.4-MeV alpha particles, 21:33985
  Scattering of 34.4-MeV alpha particles by the tin isotopes, 22:39649
  Scattering of alpha particles by medium-weight nuclei, 21:21482 (NSJ-tr-64)
  Single- and multi-nucleon transfer reactions induced by oxygen ions on ^{10}B and ^{11}B, 22:39588
OKUMOTO, Masaaki Analysis (n,γ) of human blood, 22:12259
OKUMURA, Akihiro Effects of TiC, TaC, WC, TaC—WC, NbC, and VC on grain refining of pure Al and its alloys, 24:34914
OKUMURA, Itsuo Colorimetric determination of Bi with Methylxylenol Blue, 24:38724

- OKUMURA, Kentaro Method for producing 2-(2-methyl-3-hydroxy-5-phosphorylhydroxymethyl-4-pyridyl)-tetrahydro-1,3-thiazine-4-carboxylic acid, 23:141
- OKUMURA, Ko Regulation of homocytotropic anitbody formation in the rat. II. Effect of x-irradiation, 25:35112
- OKUMURA, Masatska Radiometric survey on Kanmon formations in Northern Kyushu, 24:44101
- OKUMURA, Masayuki Device for accelerating electrons, 23:39902
  - Newly constructed hot caves, 24:31570
- OKUMURA, S. Electroplating of proton linear accelerator tanks, 25:22915 (SJC-A-70-3)
  - Longitudinal space charge effect in proton linacs, 22:32265 (CEAL-2000, pp 162-6)
  - Model cavity studies for tank design and on tank fabrication, 23:19062 (BNL-50120(Pt.2), pp 543-56)
  - Negative pion production from neutrons by polarized γ rays, 22:52918
- OKUMURA, Shoji Isomer pair cross sections by 13.4 to 15.0 MeV neutrons, 21:7724
- OKUMURA, Y. Application of the modulation transfer function to reduce unsharpness in scintigrams, 25:18650
- OKUMURA, Yoshitaka Extrapolation of the structure function τW_2 in e—p scattering, 25:40923
  - Hadron scattering at extremely high energies in the parton model, 25:12187
- OKUMURA, Yutaka Cell population kinetics in acute intestinal radiation death, 25:35239
  - Dosage calculation for conformation radiotherapy by 6 MV x-rays, 23:20307
  - Dose-time relationship in the radiotherapy of metastatic lung cancer, 22:45512
  - Energy and depth dependency of film dosimetry in electron beam therapy, 22:51265
  - Estimation of tumor dose in conformation radiotherapy, 23:20304
  - Film dosimetry in high energy electron therapy, 23:20018
  - Maintenance of beam stability in medical linear accelerator, 23:10883
  - Modification of dose distribution in high-energy electron beam treatment, 25:46935
  - Optimum energy in supervoltage x-ray therapy, 23:33793
  - Scattering foil device for high energy electron beam therapy, 23:29056
  - Scattering foil device for high-energy electron-beam therapy, 24:2751
- OKUN, A. E. Determination of Sc in Y salt, 24:29200
- OKUN, A. G. Gamma radiation influence on the adhesion of epoxy compounds to metals, 22:41141
- OKUN, L. Four-leptonic decays of charged pions and kaons and possible anomalous interactions of leptons, 21:11765
- OKUN, L. B. Amplitudes with logarithmically increasing interaction radius, 25:33582
  - CP violation, 22:32178
  - Decays of degenerate or almost degenerate states, 24:8619
  - Difference between the spectra of K°/sub μ3/ and anti K°/sub μ3/ decays, 22:13821
  - Electromagnetic final-state interaction and T-odd correlations in leptonic baryon decays, 22:13730
  - Experiments on search for mirror K° mesons, 22:48283
  - Interference of ^{8}Be levels, 24:13281
  - Isotopic invariance of CP-noninvariant electromagnetic vertices, 21:5409
  - Mass of the photon, 22:44374
  - Muonic charge and muonic photons, 23:51889
  - Parity-violating nuclear forces, 22:9655
  - Possible characteristics of nonleptonic interactions violating CP parity, 22:13812
  - Possible experiments on search for mirror K° mesons, 22:39353
  - Properties of amplitudes not satisfying the Pomeranchuk theorem conditions, 24:35723
  - Properties of amplitudes not satisfying conditions of Pomeranchuk theorem, 25:25347
  - Quarks: their astrophysical and physico-chemical aspects, 22:13734
  - Regeneration of K° mesons and Pomeranchuk theorem, 24:28551
  - Remark on model $W = a$, 22:37176
  - T-odd correlation in the K°/sub μ3/ decay and electromagnetic form factor of the π meson, 21:42325 (ITEF-492)
  - T-odd correlation in the K°/sub μ3/ decay and the pion electromagnetic form factor, 22:5554
  - T-odd correlations in weak decays and electromagnetic properties of hadrons, 21:33740
  - Test of CPT invariance, 22:48344
  - Ultracold neutrons, 24:30670
  - Violation of CP invariance, 23:5655
  - Violation of SR invariance, 21:19037
  - Y(1327) hyperon, 25:5385
- OKUN, L. M. Nuclear sizes by measuring total cross sections for fast neutrons, 23:47069
- OKUN, L. S. Method of preparing single crystals of indium antimonide, 24:27736
- OKUNEV, V. D. Distribution of radiation defects in proton-irradiated GaAs, 25:7454
- OKUNEVA, L. A. Effect of gamma irradiated plant food on monkeys, 21:24694 (JPRS-40232)
- OKUNEVA, N. M. Comparison of spectra of cold neutrons scattered by amorphous and crystalline selenium, 21:46416
  - Measurement of spectra of thermal oscillations with coherent inelastic scattering of neutrons in polycrystals, 21:44540
  - Measuring thermal vibration spectrum using coherent inelastic neutron scattering from polycrystalline sample, 21:31481
- OKUNEWICK, J. P. Comparison of radiation sensitivity, endogenous colony formation and erythropoietin response following prolonged hypoxia exposure, 23:41427 (AD-686057)
  - Effect of preirradiation and postirradiation erythropoietic stimulation on survival following exposure to hematopoietically lethal x-ray doses, 23:26873 (AD-674860)
  - Effects of acute doses of γ-radiation on pine trees, 21:6710 (RM-4904-TAB)
  - Mathematical model for post-irradiation hematopoietic recovery, 21:43499 (RM-5272-PR)
  - Mathematical model for post-irradiation haemopoiesis, 24:12254
  - Radiation sensitivity, endogenous colony formation, and erythropoietin response, 24:9945
  - Response of pines to lethal and sublethal gamma radiation, 21:22776
- OKUNEWICK, James P. Computer study of the hemopoietic system of rats recovering from total-body irradiation, 21:45783 (ORAU-101, pp 53-5)
  - Relationship betwen post-irradiation recovery and equivalent residual dose, 21:3403 (RM-5048-TAB)
- OKUNO, H. Charged-π photoproduction at 180° in energy range between 300 and 1200 MeV, 25:40859
  - Photoproduction of neutral pions from neutrons between 500 and 900 MeV, 24:35598
  - Total absorption lead glass Cherenkov counter, 22:371
- OKUNO, Hideki Calibration of beam monitors, 25:33886 (INS-TH-66)
  - Liquid hydrogen target utilizing a small mechanical refrigerator, 25:28138
- OKUNO, Hisateru Cation-exchange separation of nitrosylruthenium(III) from Ru(III and IV), 24:29356
  - Infrared spectra of pentacyanonitrosylmanganese (^{14}NO and ^{15}NO) complexes, 25:41796
- OKUNO, Kazuhiko Total ionization cross section of Mg by electron impact, 24:35210
- OKUNO, Takaharu Geology and U ore deposits in cretaceous Kwanmon group, 24:46344
- OKUNO, Takeshi Life time of excited state of F centers in KCl:Ag, 21:15234
- OKUNO, Yasuko Ionization cross sections of Ca, Sr, and Ba by electron impact, 25:58777
  - Total ionization cross section of Mg by electron impact, 24:35210
- OKUO, Takayasu Materials of semi-hot wall for MHD channels, 22:47875
  - Radioactivation analysis of semiconductor graphite for N by the ^{14}N(p,α)^{11}C reaction, 21:5807
- OKUSHIMA, Jintaro Histopathological studies of chronic radiation injuries of the skin, 23:33874
- OKUTANI, Jun-ichi Exact correlation function of electric fields in a one-dimensional plasma, 22:15541
  - Excitation of plasma oscillations by parametric resonance, 21:33415
- OKUYAMA, Fumio Electron microscopic observation of field emission cathode tips, 24:46726
  - Observations of needle crystals of tungsten oxide, 25:8843
  - Preparing unusually oriented W tips, 24:14785
- OKUYAMA, Naoki Planar Hall effect in pyrolytic graphite, 23:25009
- OKUYAMA, Noboru Clothing contamination monitor for β ray, 24:31689
- OKUYAMA, S. ^{67}Ga tumor scanning and its mechanisms studied in rabbits, 25:46928
- OKUYAMA, Shinichi Radioprotection by bee venom, 25:16232
- OKUYAMA, Shoichiro Determination of N in an aluminium-killed steel by an isotope-dilution method using Al^{15}N, 22:21045
- OKUYAMA, Takeo Gingival and mandibular injury following oral radiotherapy, 24:41999
  - Radiation injury of bone. I, 24:34744
- OKUYAMA, Tomizo Electron microscopic study on acute thymic involution induced by polyoma virus infection, 25:58114
- OKUZAWA, Shinjiro Polymerization of coordinated monomers. I, 23:35148
- OKUZAWA, Takashi Drift wave instability on plasmapause, 23:42043
  - Intensity decrease of hydromagnetic shock wave through non-uniform magnetosphere, 21:15035
  - Numerical study on finite-amplitude hydromagnetic waves in a model magnetosphere with the density plateau, 23:16716
- OKUZUMI, H. Structure of ordered alloy of composition near Au_3Cu, 24:11408 (UCRL-Trans-10416)
- OKYAR, Sehavet Observations with the phase contrast microscope on the epidermal cell of A. cepa, 21:24658
- OL, A. I. Perturbations of the geomagnetic field and its variations in the 11-year cycle, 24:49072
  - Physical nature of long-period pulsations of the geomagnetic field, 22:38964
- OLAFSON, J. H. Distribution, characteristics, and biotic availability of fallout, Operation Plumbbob, 21:1461 (WT-1488)
  - Neutron spectrum measurements for Northrop reactor, 21:14084 (NSL-64-187-1964)
  - Root transfer of fission products from contaminated soil, 21:24357
- O'LAGUE, Paul Harris Intercellular communication between normal and between cancer cells in tissue culture, 24:26887 (UCRL-19445)
- OLAH, George A. Chemistry in super acids. IV. Exchange of hydrogen and deuterium in HF(DF)—SbF_5, $FSO_3H(FSO_3D)$—SbF_5, and $H_2SO_4(D_2SO_4)$—SbF_5 solutions, 24:33671
  - Electrophilic reactions at single bonds. III, 25:26226
- OLANDER, D. R. Calibration of an infrared pyrometer, 25:3989 (UCRL-19665)
  - Characterization of multichannel sources and design of molecular beam systems for their utilization, 23:20664 (UCRL-17859)
  - Characterization of multichannel sources and their utilization in molecular beam systems, 23:41913 (UCRL-19034)
  - Diffusion of xenon in uranium monocarbide, 21:34961
  - Dissociation of hydrogen on tantalum using a modulated molecular beam technique, 23:10218
  - Gas analysis by modulated molecular beam mass spectrometry, 22:44994
  - Investigation of the convective-diffusion limited oxidation of molybdenum by the rotating disk method, 25:2688
  - Mass transfer and transport properties in fused salt and liquid metal systems, 23:37959
  - New curriculum in nuclear engineering at UCB, 22:33103
  - Survey of the literature on the carbon—hydrogen system, 24:22625 (UCRL-19149)
  - Uranium chlorination in fused salts, 21:10344
  - Viscosity of U and two U—Cr alloys, 24:14767
- OLANDER, Donald R. Drop extraction between liquid metals and fused salts, 22:8085
- OLANDER, F. Frequency dependence of magnetic losses in Ho in the neighborhood of the Curie temperature, 22:24402 (CONF-670502-, pp 618-26)
  - Frequency dependence of magnetic losses in Ho, 23:39570
  - Initial susceptibility study of thermal hysteresis in Gd in the neighborhood of the Curie region; frequency dependence of the magnetization, 25:45592
- OLANDER, Farley Frequency dependence of the magnetization of gadolinium in the neighborhood of the ferromagnetic ordering temperature, 23:14866 (IS-T-281)
- OLANDER, R. Radioiodine in treatment of congenital heart disease with severe pulmonary hypertension, 22:40813
- OLARIU, A. Action of chromia for increasing catalytic properties of Ni in H—heavy water isotopic exchange, 25:39571
  - Isotope-exchange reaction studies in a once-through fluid column, 23:28992
  - Isotopic exchange between hydrogen and water at high pressures, 25:20984
  - Isotopic exchange reaction of oxygen in the CO_2—NiO/Ni system, 22:21058
  - Once-through dual-temperature laboratory plant for isotope separation, 23:38187
  - The separation of isotopes in dual-temperature systems with open circuits, 21:40980
- OLARIU, Al. Isotopic exchange of deuterium between hydrogen and water vapor on alumina promoted nickel, 22:2028 (IFA-IS-48)
  - Isotopic exchange of deuterium between H and water vapor, 23:17441
- OLARTE, F. J. Determination of dispersion law in a D_2O—UC system, 22:32993
  - Measurement of the reactivity of a subcritical system, 23:4385
  - Pulsed neutron reactivity measurements, 23:4386
  - Spatial dependence in the measurement of the reactivity in a subcritical system, 22:26767
- OLARTE MARIN, F. J. Study of strongly multiplying subcritical media with pulsed neutron source, 25:26029 (JEN-220-DF/I-63)
- OLAST, Martial Spin transfer in gamma-irradiated nucleotide complexes, 24:34106
- OLATUNJI, E. O. Behavior of topside ionosphere during storm conditions, 22:9194
  - Eclipse in the equatorial F-region, 21:23095
  - Integrated electron content in the equatorial ionosphere, 22:9199
  - Ionospheric diurnal variations in the F layer at Ibadan over a sunspot cycle, 21:11515
  - Some features of equatorial ionospheric storms, 21:15039
  - Total columnar electron content of the equatorial ionosphere, 21:23097
- O'LAUGHLIN, J. W. Gadolinium loaded mineral oil scintillator for neutron detection, 24:39234
  - Solvent extraction properties of methylenebis(dialkylphosphine oxides), 22:6402
- O'LAUGHLIN, Jerome W. Reversed-phase partition chromatography of the rare earths using methylenebis[di(2-ethylhexyl)-phosphine oxide] as the stationary phase, 21:150
  - Separation and determination of Zr in Nb using methylenebis (di-n-hexylphosphine oxide), 22:146
  - Separation of several rare earths by extraction chromatography using bifunctional phosphine oxides, 22:16665
- OLAZCUAGA, Roger Systems EuO—EuX_2 ($X = F$, Cl, Br), 24:32517
- OLBERT, S. Simple derivation of Dessler—Parker—Sckopke relation, 22:15436
- OLBERT, Stanislaw Models of x-ray stars, 23:39172
  - Observation of slow shocks in interplanetary space, 25:7263
  - Results from MIT detector on IMP-1, 23:44287
- OLBRANTZ, M. Thermodynamic and transport properties of Cs and Rb, 21:25812 (AGN-8192(Vol.1))
- OLBRICH, Otto Converter fuel element for nuclear reactors and method of producing the same, 22:39835
- OLCESE, G. Magnetic susceptibility, electronic specific heat, and transport properties of some intermetallic compounds of cerium, 25:47668
- OLCESE, G. L. Electronic structure of cerium in binary intermetallic compounds, 25:33433
- OLCESE, Giorgio L. New allotropic form of Ce, 23:30641
- OLCOTT, E. L. Application of cast tungsten to rocket nozzles, 23:48428
- OLD, C. F. Mechanism and kinetics of growth of Nb_3Sn, 23:20867
- OLD, L. J. Labeling of mouse alloantibody with tritiated DL-alanine, 24:31795
  - Rejection of skin allografts by radiation chimaeras, 24:48702

OLD, R. A. B. Evaluation of temperature and the design of cooling systems for pressure vessels, 23:11222
OLD, T. Reappearance of multiple midlatitude auroral arc, 25:35969
  Relationship between monochromatic auroral arc 6300 A and visible aurora, 24:5095
OLDAG, H. Ch. Training of ships personnel for NS Otto Hahn, 24:33478
OLDAKER, I. E. Uranium dioxide fuels in organic-cooled reactors, 22:35415 (AECL-2758)
OLDANO, C. 27-day oscillation in cosmic-ray intensity and shorter periodicities, 25:27472
  Decay of isomer/sup 69m/Zn, 22:3664
  Isomeric cross-section ratios for reactions producing the isomeric pairs ^{69}Zn and /sup 69m/Zn, ^{71}Zn, and /sup 71m/Zn, 23:3969
  Isomeric ratios for (n,2n) reactions, 25:15182
  Spin cut-off evaluation for (n,2n) reactions at 14 MeV, 23:15419
OLDBERG, S. Analysis of swelling of austenitic stainless steels in fast reactors, 24:6230
  Empirical analysis of swelling of austenitic stainless steels in fast reactors, 24:44739 (GEAP-13517)
  Non-steady-state factors in models for swelling of oxide fuels, 24:7309
  Non-steady-state factors in models for swelling of oxide fuels, 24:38553
OLDBERG, S. Jr. Mechanical model of thermal differential expansion at first startup of a mixed-oxide fuel pin, 25:6000
OLDEKOP, W. Calculation model for Hall-type electromagnetic plasma accelerators, 23:42350
  Competition possibilities for atomic merchant ships, 21:5670
  Efficiency of MHD processes with injection condensation, 22:7190
  Efficiency of MHD processes with injection condensation, 22:31672 (AI-Trans-263)
  Perturbation of the axial neutron flux distribution in a pressure tube reactor as a result of counter-current fuel element loading of neighboring coolant channels, 21:25660
  Review of economical transport of large satellites for direct television, 23:40926
  Thermionic nuclear reactor installation for power range 5 to 50 kW(e), 21:30241
OLDENBERG, O. Excitation of nitrogen by fast protons and electrons, 25:27616
OLDENBURG, D. W. Development of a polar magnetic substorm current system, 25:7249
OLDENBURG, U. Wall effects of spherical proportional counters, 24:44248 (EUR-4452, pp 269-81)
OLDENDORF, William H. Absorption of gamma radiation by skull, 24:12135
  Clinical applications of brain blood flow studies, 25:35178
  Compartmental redistribution of /sup 99m/Tc-pertechnetate in presence of perchlorate ion, 24:17083
  Detection of brain tumors using radioisotopes, 23:50652
  Dose-dependence of the rapid reappearance in blood of very small intravenous doses of ^{75}Se-selenite, 22:51379
  Interference of scalp and skull with brain isotopic measurements, 25:32478
  Isotope content of scalp and skull, 24:12169
  Liquid scintillation counting of /sup 113m/In conversion electrons in the presence of ^{3}H and ^{14}C, 25:8213
  Quasi-Gaussian defocusing of the radioisotope scan, 22:49401
  Radioisotopic methods for cerebral blood flow determination, 25:548
  Transit time methods, 25:32476
  Utilization of characteristic x-radiation to identify gamma radiation originating external to skull, 24:12195
OLDFIELD, D. G. Cytokinetics, 22:51521
  DNA histograms of irradiated cells: the case of prophase-trapping, 21:30917
  Dose-rate dependence of radiation-induced metaphase delay, 21:28385
OLDFIELD, G. V. Shielding of external proton tunnel area of Argonne's zero gradient synchrotron, 21:23359 (ANL-7273)
OLDFIELD, J. E. Conference on selenium in biomedicine, Corvallis, Oregon, 9/66, 22:51325
  Uptake and retention of ^{75}Se in ewes, 22:51330
OLDFIELD, M. L. G. Microwave reflexion from longitudinally magnetized plasma-filled coaxial waveguide, 25:27813
OLDFIELD, W. Bubble migration in UO_2, 25:4853
  Extension of the least squares procedure by iterative techniques, 25:32815
  Interpretations of fission gas behavior in refractory fuels, 24:7356
  Interpretations of fission gas behavior in refractory fuels, 24:46133
OLDFIELD, William Method of closing ends of protective tubes for nuclear reactor fuel elements, 22:42555
  Nuclear fuel element, 21:19504
  Nuclear reactor fuel elements, 22:18621
  Nuclear reactor fuel elements, 22:18618
  Theory of bubble migration applied to irradiated materials, 23:48577
OLDHAM, C. Metal—β-diketone complexes. III, 21:3044
OLDHAM, Charles Robert Support cables for reactor fuel elements, 24:9170
OLDHAM, G. Activation analysis applied to non-aqueous flowing system, 25:54524
  Computations relating to γ-ray spectroscopy, 25:44672
  Determination of ^{137}Cs in fast-reactor coolant systems, 23:19665
  Determination of bromine in the presence of fluorine and positron emitters using fast neutron activation analysis, 22:4015
  Determination of fast neutron flux in irradiated solutions, 24:39229
  Determination of low concentrations of ^{131}I in fast reactor coolant systems, 24:26933
  Determination of total neutron output from titanium tritide targets, 25:20955
  Effect of radiation damage on plastic scintillators, 22:10561
  Factors affecting the low-dose gamma irradiation of hydrocarbons, 25:37426
  Fast neutron activation analysis of trace levels of lead in a non-aqueous flowing system, 25:37328
  Gamma-radiation damage of organic scintillation materials, 25:35079
  Interferences encountered in 14 MeV neutron activation analysis, 22:1983
  Neutron flux distribution around target of 14 MeV neutron generator, 23:10888
  Neutron flux variation on the axis of a 14 MeV neutron generator, 21:42536
  Neutron generator in undergraduate teaching, 25:45888
  New technique for 14-MeV neutron activation analysis in flowing systems, 24:46205
  Operational characteristics of neutron generator targets, 24:47555
  Regeneration of titanium tritide targets by thermal treatment, 25:45851
  Use of threshold energies in 14-MeV neutron activation analysis, 23:7495
OLDHAM, Graham Use of 14 MeV neutrons in the activation analysis of minerals, 23:24128
OLDHAM, J. L. Thermodynamic properties of sodium and potassium, 22:19522 (UCID-15271)
OLDHAM, John Thermodynamic properties of vapor dome, 21:34897 (UCID-15169)
OLDHAM, K. G. Radiochemical methods of enzyme assay, 22:42622
  Radiochemical methods of enzyme assay, 22:44978 (NP-17585)
  Spurious isotope effects in enzymatic reactions with tritium-labeled substrates, 22:37756
OLDHAM, R. D. Activation-rate measurements in the ZPR-3 mockup critical experiments. Part I. Measurements of foil-activation rates and fission yields in Assembly 60 of ZPR-3: mockup of EBR-II with a uranium blanket, 25:44150 (ANL-7781)
  Chemical Engineering Division. Cross sections and burnup semiannual report, January—June 1971, 25:60035 (ANL-7824)
  Uranium-235 and ^{239}Pu fast fission yields as a function of neutron energy, 25:41241
OLDHAM, Robert K Aseptic meningitis following the intrathecal injection of radioiodinated serum albumin, 25:24004
OLDHAM, W. G. Annealing of lifetime damage in neutron-irradiated silicon, 24:28427
  Diffusion of impurities in irradiated silicon, 23:42456
  Lifetime in neutron irradiated silicon: application to devices, 24:33980
  Neutron-produced trapping centers in junction field-effect transistors, 25:44745 (SC-DC-713707)
OLDHAM, William J. B. Jr. Double ionization of helium by fast protons, 22:13228
  Energy and angular distribution of electrons ejected from He by protons. II, 21:37104
  Energy and angular distributions of electrons from ionization excitation of helium by proton bombardment, 25:16817
  Excitation of the n^1S states of He by proton impact, 22:47805
  Excitation of the n^1S states of He by proton impact and the n^{-3} rule, 23:20716
  Simultaneous ionization and charge transfer in fast-proton—helium-atom collisions, 25:16818
  Temporal plasma echoes, 23:36746
OLDROYD, B. Environmental radiation at particular site, 22:2382
OLDROYD, J. G. Equations of state of continuous matter in general relativity, 24:24437
OLDS, F. C. Fermi 1: much at stake, 24:35960
  Gas-cooled reactor's standout performance, 24:1956
  Nuclear containment, 23:37601
  Nuclear plants, 23:19460
  Nuclear power engineering: analysis of trends in policy and technology, 25:10105
  Nuclear power schedule struggle, 24:52783
  SEFOR follow-on program, 25:26042
OLDS, G. C. E. Metals and ceramics, 23:3014
OLEAK, H. Period-latitude correlation of pulsars and its implications, 24:44882
OLEAK, Hans Extragalactic research, 23:27313
OLEARI, C. Multipole analysis of π^+ photoproduction, 24:3581
O'LEARY, B. M. Radiation field characteristics and irradiation techniques for gamma irradiation facilities using spent fuel elements, 22:10426 (AAEC/TM-347)
O'LEARY, James A. Placental scanning with Na pertechnetate /sup 99m/Tc serum albumin, 21:39466
O'LEARY, Marion H. Carbon isotope effects on the enzymatic decarboxylation of glutamic acid, 24:36256
  Carboxyl carbon isotope effect on the enzymatic decarboxylation of glutamic acid, 24:4292
O'LEARY, Mary E. Effects of temperature on uv-induced DNA-protein cross-links, 21:14586
  Pitfalls of measuring DNA synthesis kinetics, 23:9894
OLECH, Barbara Content of natural radioisotopes in chemical reagents, 23:47397
  Decontamination of thorium wastes, 23:40853
OLEDZKA-SLOTWINSKA, H. Pulmonary alveolar surfactant in normal and irradiated mice, 24:21080
OLEHY, D. A. Neutron activation analysis of Mg, Ca, Sr, Ba, Mn, Co, Cu, Zn, Na, and K in human erythrocytes and plasma, 21:19548
  Rare earth abundances in meteoritic chondrules, 23:16556 (N-68-34058)
  Stable isotopes for study of calcium metabolism, 23:5037
OLEINIK, V. P. Description of quantum-mechanical system in case of incorrectness of Schroedinger's representation, 23:23303 (ITF-68-88)
  Electron—positron pair formation by photons in the field of an electromagnetic wave in an homogeneous magnetic field, 25:53083
  Green function and quasi-energy spectrum of electron in electromagnetic wave and in uniform magnetic field, 22:50262
  Quasi-energetic spectrum of an electron in the electromagnetic wave field and in a homogeneous magnetic field, 24:21905
  Resonance effects in field of intense laser ray. II, 22:13703
  Schroedinger's representation in a quantum-mechanical problem, 23:23404 (ITF-68-87)
OLEINIK, Ya. V. Effect of gamma radiation on meat proteins, 21:30789
  Effects of high doses of the gamma-radiation of ^{60}Co on the chemical structure of myosin, 24:11938
OLEINIKOV, P. P. Stability of WR 5/20 and WR 10/20 W—Re thermocouples at 1450 to 2000°C, 24:1010
OLEINIKOVA, L. D. Stability of WR 5/20 and WR 10/20 W—Re thermocouples at 1450 to 2000°C, 24:1010
OLEJARCZYK, W. Thermostat for neutron cross-section measurements wifhin range 196 deg C to 200 deg C, 21:7631 (INP-497/PS)
  Vinca Nova: automatic unit for neutron spectrometer control, 25:2475 (INP-707)
OLEJARCZYK, Wiktor Thermostat for neutron cross-section measurements within the range from —196 to 200°C, 21:33863
  Transistorized modular system for slow neutron spectrometry, 24:2478 (INP-676)
  Versatile and multipurpose automatic plotting system, 22:2449 (INP-560/PS)
  Vinca Nova: automatic unit for neutron spectrometer control, 25:42114
OLEJNICZAK, Olga Ilnicka Influence of uv radiation on survival rate of spores of Aspergillus, 21:26694
OLEJNICZAK, Wielislaw Pulse height tunnel diode discriminator, 25:15969
  Semiconductor linear amplifier for use in spectrometry, 25:15893
  Spark chamber as an element of the hodoscopic detector of extensive air showers, 25:42158
OLEJNIK, S. Infrared spectra of kaolin mineral—dimethyl sulfoxide complexes, 22:10238
OLEKHNOVICH, A. I. Use of ultraviolet disinfection of the air in pharmacies, 22:33996 (JPRS-41315, pp 36-43)
OLEKSIUK, L. First order beam dynamics programs using linearized space-charge forces. I and II, 23:32860 (BNL-13710)
OLEKSIUK, L. W. NAL booster-to-main ring beam transfer system, 25:50531
  Properties of some levels of ^{35}Cl, 22:9829
OLEKSYN, Barbara Preliminary crystallochemical data for B-3-Mox-SEDI—UO_2, 25:46498
  X-ray crystallographic proof of dimeric structure of 3-Mox-SAPh—UO_2, 25:46497
OLEMPSKA, Zofia Preparation of thin boron films, 23:48513
OLES, A. Tables of magnetic structures determined by neutron diffraction. I, 25:22630 (NP-18718)
  Tables of magnetic structures determined by neutron diffraction. II, 25:30664 (NP-18783)
  Tables of magnetic structures determined by neutron diffraction. III, 25:36311 (NP-18845)
  Tables of magnetic structures determined by neutron diffraction. V, 25:56341 (NP-19010)
OLES, Andrzej Neutron diffraction method for sheet texture determination, 22:28190
OLESEN, Carsten B. Marviken heavy water steam turbine, 23:37390
OLESEN, D. E. Effects of radiation on municipal and industrial wastewaters, 23:50960
  Water filtration research. I, 22:25569 (BNWL-709)
  Water filtration research. II, 21:43084 (BNWL-382)
  Water filtration research. III, 22:12398 (BNWL-565)
  Water filtration research. IV, 22:42933 (BNWL-734)
OLESEN, Henning Lind Radiation effects on electronic systems, 21:6398
OLESEN, Jens K. 2- to 0.1-Hz polar-cap micropulsation activity, 24:17858
OLESEN, K. Chemical valence studies in nuclear decay, 21:40939
OLESEN, M. Study of energy levels in odd-mass Yb isotopes by (d,p) and (d,t) reactions, 21:17377
OLESEN, M. C. Angular distributions for inelastic deuteron scattering from samarium, 21:4314
  Coulomb excitation of even Sm isotopes, 22:32614
  Inelastic deuteron scattering from ^{144}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm, 22:20588
  Matrix elements between collective states in ^{152}Sm, 24:43359
OLESEN, Niels C. Formulation and raw materials effects on the high-temperature properties of graphite, 21:28832
OLESEN, O. H. Observation of vlf-radio noise in the ionosphere during an auroral absorption event, 22:34399
OLESEN, P. Algebra of current components and the hypothesis of partially conserved axial-vector current applied at high energies, 22:15804
  Asymptotic behavior of the n-point function and some applications, 23:7125
  Constraints on Regge trajectories from factorization of N-point dual amplitude, 24:52224
  Covariant version of the Bjorken limit, 22:46544
  Delta S = 0 partially conserved axial-vector current and SU(3) coupling constants, 21:33754
  Determination of $\Delta S/\Delta Q = -1$ amplitude in semileptonic decays of neutral K mesons, 22:7480
  Dual loop amplitudes with general Regge trajectories, 24:52222
  Dual parton picture, 25:33677
  Inclusive reactions in dual models with second sheet resonances, 25:56476

  - Infinities in electromagnetic mass differences to any order in α, 22:17906
  - Leading divergences in nonleptonic decays, 23:25592
  - Lorentz pole analysis of Veneziano amplitudes, 23:46830
  - Nonleptonic weak interactions, 24:8615
  - Octet dominance in nonleptonic decays, 22:34942
  - Parity-violating internucleon potential and the field-current identity, 23:30770
  - Parton view of dual amplitudes, 24:37744
  - Pion scattering lengths and the rho-width, 24:51991
  - Pion scattering lengths, Veneziano amplitude, and rho universality, 24:3669
  - Threshold theorem derived from current algebra SU_3 x SU_3, 21:31603
  - Veneziano amplitude, current algebra, and electromagnetic pion form factor, 23:42593
- OLESEN, Poul Constraints on Regge trajectories from factorization of N-point dual amplitude. II, 24:52233
- OLESON, J. K. Storm-time variations in high-latitude fluxes of low-energy electrons, 25:35959
- OLESON, J. R. Closed-cycle helium refrigerator for Moessbauer studies, 22:7212 (NYO-2028-2, pp 139-49)
  - Hyperfine structure of 74.6-keV level of ^{161}Dy, 22:7700 (NYO-2028-2, pp 69-73)
  - Moessbauer effect in ^{238}U following Coulomb excitation, 22:7695 (NYO-2028-2, pp 12-17)
  - Moessbauer studies of DySb, 22:7349 (NYO-2028-2, pp 74-83)
  - Nuclear moments by Moessbauer effects following Coulomb excitation, 22:46801
  - Observation of the Moessbauer effect in ^{238}U following Coulomb excitation, 21:44721
  - Use of a closed cycle He refrigerator for Moessbauer studies, 22:39201
- OLESON, James Robert Moessbauer effect studies following Coulomb excitation of ^{162}Dy, ^{164}Dy, and ^{238}U, 23:11027
- OLESON, M. Class of type [4] perfect fluid space—times, 25:33847
- OLESON, N. L. Tonks—Dattner resonances in rare-gas plasmas, 24:1462
  - Use of Langmuir probes in low-pressure rare gas plasmas, 22:26367
- OLESON, Norman L. Curved-field plasma transmission into a mirror machine, 21:728
  - Ion acoustic wave dispersion in a highly ionized argon plasma in a magnetic field, 22:52783
  - Studies of a coaxial E x B plasma gun, 21:18685
- OLESOV, Yu. G. Activity of Al, V, and Cr in binary Ti alloys, 25:58220
  - Electrolytic refining of zirconium carbide, 22:38609
  - Manufacture of powders of titanium alloys and titanium-base refractory compounds from titanium alloy scrap, 25:45018
- OLETTE, M. Introduction of U in molten Fe and its behavior, 23:39003
- OLETTE, M. M. Graphical presentation of relative values of the vapor pressure and the enthalpy of vaporization of the elements, 22:4142
- OLETTE, Michel Determination of the activity coefficient at 1600°C of U in infinitely dilute solution in liquid Fe by the study of heterogeneous equilibrium, 21:17614
- OLEVINSKII, K. K. Flow and thermodynamic variables of Ar—Cs mixture, 23:45470
  - Light-scattering spectra for plasma having various parameters, 25:33233
- OLEVINSKII, M. I. Extraction separation of the alkaline earth from the rare earth elements, 25:21091
- OLEVSKII, E. B. Distribution of atoms of recoil phosphorus according to valence states in deformed alkali metal halide crystals, 24:13889
  - Effect of S^{2-} ions on the chemical state of recoil phosphorus in KCl, 24:13890
  - Radiation-chemical behavior of recoil phosphorus atoms in potassium chloride monocrystals, 24:13900
  - Radiation-chemical transformations of atoms of phosphorus in KCl monocrystals, 24:13888
- OLFE, Daniel B. Proceedings of the 1967 Heat Transfer and Fluid Mechanics Institute, San Diego, La Jolla, 6/67, 21:28167
- OLFKY, S. Radiothermoluminescence of 4,4'-dimethylbenzophenone, 21:111
- OLFKY, S. J. Ultraviolet and electron radiation induced addition to olefins of formamide, 21:3124
- OLHEDE, T. Experimental results on proton—proton interactions at 10 GeV/c with six charged particles in the final state, 22:46326
  - Strange-particle production in 10 GeV/c proton—proton reactions, 21:44267
- OLHOEFT, J. E. Comparison calculations for a LWR benchmark package using ENDF/B-1 and -II data, 25:57019 (CONF-710302-(Vol.2), pp 1065-85)
  - Control of xenon instabilities in large pressurized water reactors, 24:5519 (WCAP-3680-23)
  - Derivation of a point kernel for neutron attenuation, 21:7661
  - Nuclear effective temperature in thermal power reactor fuel, 24:33272
- OLICH, E. E. Fuel rod design, 21:8167
  - Hot cell refueling, 25:48273 (CONF-710315-21)
  - SEFOR plant design, 22:16191
- OLIEN, T. C. Energy-loss spectra for high-energy electrons, 23:25742
- OLIEVSKII, M. I. Zirconium and Nb carbide behavior in plasma, 23:12433
- OLIFERCHUK, N. L. Stabilization of double-T bridges used in NMR spectrometers, 23:33563
- OLIINYK, P. A. Tables of saturation function PSI(a,y), 22:13101
- OLIJHOEK, J. F. Critical flow rate of superfluid He, 23:36632
  - Dissipative heat production by constant gravitational superfluid flow in He II, 21:15079
- OLIKHOV, I. M. Prebunching electron accelerator for semiconductor lasers, 25:50590
- OLIMPIENKO, G. S. Chromosomal aberrations mechanism, 22:43280
  - Combined treatment of barley and wheat seeds with ionizing radiation and ethylene-imine for the induction of mutations, 25:55261
  - Combined treatment of plants with irradiation and ethylenimine, 25:52042
- OLIN, Arthur Sensitivity of half-life of /sup 90m/Nb to chemical environment, 24:40641
- OLIN, Jacquelin S. Analysis of medieval stained glass by neutron activation, 24:5620
- OLIN, Jacqueline S. Analysis of English and American pottery, 24:132
  - Compositional categories of English and American pottery of American Colonial period, 23:21663 (BNL-13134)
- OLIN, John George Turbulence suppression in magnetohydrodynamic flows, 22:2908
- OLINE, Larry W. Study of impact effects on spherical shells. I, 21:45323 (SC-CR-66-2135)
- OLINER, A. A. Leaky space-charge waves. II, 21:16787
- OLINESCU, R. Activity of 2-methyl-1, 4-naphthoquinone Na bisulfite (vitamin K3) on some redox enzymes, 21:4841
  - Kinetic investigations on the influence of radiosensitizing vitamin K_3 on the haemoglobin-methaemoglobin equilibrium, 25:4598
- OLINGER, B. Ray Parotid gland atrophy, 23:22418
- OLINSKI, Ryszard Effects of gamma- and x-irradiation on nucleotides of lymph nodes, 24:34102
- OLIPER, T. V. Changes of nervous system in radium therapy, 22:51795
- OLIPHANT, A. J. Data aquisition system using PDP8/S computer for the Dounreay Fast Breeder Reactor, 23:23883
  - Display of neutron radiography results by direct viewing of a scintillating plate, 23:14112
- OLIPHANT, Mark Interaction of atomic particles with solid surfaces at intermediate energies. I, 24:10369
  - Interaction of atomic particles with solid surfaces at intermediate energies. II, 24:10368
- OLIPHANT, Robert Walter Acoustical relaxations in alpha uranium at low temperatures, 24:32399
- OLIPHANT, Sir Mark Interaction of atomic particles with solid surfaces at intermediate energies. III, 25:11675
- OLIPHANT, T. A. Fuel burnup and direct conversion of energy in D—T plasma, 25:25160
  - Simulation of binary collision processes in plasmas, 24:40084
  - Structure of a magnetically driven plane shock wave in a plasma, 21:46331 (LA-3674)
- OLIPHANT, Thomas A. Calculation of high beta toroidal plasma equilibrium, 22:7329 (LA-3749)
  - Computer simulation of the theta pinch, 21:44064 (NASA-SP-153, pp 191-6)
  - Fast-neutron scattering from nuclides in the lead region, 21:38355
- OLIPHANT, Thomas A. Jr. Computer simulation of the theta pinch, 22:1193 (LA-3770, Paper F2)
- OLIVA, D. Development program on Garigliano Nuclear Reactor, 23:11115 (GEAP-5645)
  - Instrumented fuel assemblies for core thermal—hydraulic analysis, 22:48645 (GEAP-5623)
- OLIVA, Domenico Nuclear energy in the world 1969, 24:26693
- OLIVA, Juan Treatment of the hot nodule of the thyroid with ^{131}I, 24:34542
- OLIVA, L. Sources of variability in response to panirradiation, 22:33944
  - Substances modifying tumoral response to radiation, 23:50617
- OLIVA, Luigi Protection in the environment of radiological workers, 21:8824
- OLIVA, P. Monte Carlo calculation of energy loss spectra for gamma rays in cylindrical NaI(Tl) crystal, 23:33387 (RT/FI-(69)15)
  - Nuclear resonant scattering of gamma rays in Cu, Sn, and Bi, 21:38336
  - Nuclear resonant scattering of gamma rays in Ni, Cd, Sn, and Bi, 23:40013
  - Recent results on (γ,γ) and (γ,γ') reactions, 24:47605
  - Systematics of electric-dipole transitions, 21:30037
- OLIVA, P. R. Evidence for E1—M2 and M1—E2 mixtures in high-energy γ-transitions, 25:34019
  - Monte Carlo calculation of the energy loss spectra for gamma rays in cylindrical NaI(Tl) crystals, 24:29522
  - Thallium-205 level scheme, 24:28811
- OLIVAIN, J. Amplitude and damping of plasma wave echoes, 25:3144 (CEA-CONF-1601)
  - Bound instabilities of finite length in a plasma, 23:25361
  - Deformation of electron distribution function, 25:27823
  - Deformation of the electron distribution function under the influence of a large amplitude wave, 25:59012 (CEA-CONF-1833)
  - Electron current and distribution function associated with an electron plasma wave, 25:1240 (CEA-CONF-1600)
  - Interaction of a large-amplitude wave with a plasma: trapping, 25:56227 (CEA-CONF-1805)
  - Measurement of wave-number spectra, 23:20886 (CEA-CONF-1059)
  - Non-linear processes, 23:32523
  - Nonlinear processes in a magnetized plasma, 22:1211
  - Saturation and damping of echoes of electron plasma waves, 25:56226 (CEA-CONF-1804)
  - Saturation of spatial plasma wave echoes, 25:47594
  - Splitting effect of electron cyclotron harmonic waves into double modes due to transverse temperature, 23:51719 (CEA-CONF-1395)
  - Studies of nonlinear processes, 23:16837 (CEA-CONF-1007)
- OLIVAIN, Jack Amplitude of plasma wave echoes, 24:19926
  - Generation of harmonics of electron cyclotron half-frequency in a double-beam interaction experiment, 21:5059 (CEA-R-3075)
  - Particle trapping by a wave of large amplitude, 25:33259
  - Spatial harmonics of instabilities for harmonic frequencies of the electron cyclotron half-frequency, 23:34459
  - Theoretical and experimental study of nonlinear processes in a plasma, 25:56229 (EUR-CEA-FC-602)
- OLIVARES, Gilberto J. Extraction of seleno-cystathionine and identification by activation analysis, 22:30469
- OLIVARES, M. P. Photographic dosimetry, 23:35734
  - Photographic dosimetry: beta—gamma calibration, 23:11878
  - Photographic dosimetry: construction of isodose curves, 24:813
- OLIVARES MUNOZ, M. P. Determination of the integral dose absorbed by a patient treated with telecobalt therapy by the orbitron, 21:10910
  - Photographic dosimetry: gamma calibration, 21:12865
- OLIVE, D. Duality and gauge properties of twisted propagators in multi-Veneziano theory, 24:40489
  - Operator approach to dual multiparticle theory, 25:43578
  - Twisting operator in multi-Veneziano theory, 24:24456
  - Twisting-invariant factorization of multiparticle dual amplitude, 24:24455
- OLIVE, D. I. Analytic s-matrix, 21:17193
  - Non-analytic S-matrix, 23:46828
  - Operator vertices and propagators in dual theories, 25:36475
  - Possible Veneziano amplitude for many pions, 25:1658
  - Properties of Mandelstam cuts, 22:44504
  - S-matrix singularity structure in physical region. I, 23:27880
  - S-matrix singularity structure in the physical region. II, 23:27876
  - S-matrix singularity structure in the physical region. III, 23:27877
  - Veneziano amplitude for four spinning pions, 24:10752
  - Veneziano amplitudes for Reggeons and spinning particles, 25:5440
- OLIVE, David Connection between Toller and Froissart—Gribov signatured amplitudes, 24:18294
  - Connection between Toller and Froissart—Gribov signatured amplitudes, 24:49621
- OLIVE, David I. Two survey seminars on recent developments in S-matrix theory, 21:44464
- OLIVE, G. Determination of the O content of Al by 14 MeV-neutron radioactivation analysis, 21:40773
- OLIVE, Joseph P. Analytic optimization in atomic SCF calculations, 24:5007
- OLIVE, Ph. Tritium and ^{18}O in Evian basin, 22:18934
- OLIVE, Philippe Atmosphere—hydrosphere cycles of tritium under middle latitudes since 1952, 24:20901
  - Tritium study of dynamics of waters of Lac Leman (Geneva Lake), 24:36386
  - Tritium study of the dynamics of underground waters, 24:27225
  - Use of natural radioelements in sedimentology, 22:30703
- OLIVECRONA, H. Radiation effects on fluorescence of epidermal melanocytes, 22:45458
- OLIVECRONA, Hans Treatment of cancer of larynx with cesium unit, 21:45721
- OLIVEI, A. Chemical rate equation for a magnetoactive plasma, 23:10677
- OLIVEIRA, C. G. Bound states for spin $^1/_2$ particles in general relativity, 24:6763
  - Flat-space metric in the quaternion formulation of general relativity, 23:46821
  - Spinor formalism in gravitation, 21:11729
- OLIVEIRA, Colber G. Complex 2-dimensional internal space in general relativity, 24:49591
  - Complex two-dimensional internal space in general relativity, 24:6764
  - Five dimensional field theory, 22:44488
  - Gauge transformations and the relativistic invariance of electrodynamics, 24:6745
  - Geometric interpretation of parametrized dynamics, 22:44346
  - Interaction of the gravitational and spinor fields, 21:27273
  - Model field theory in five dimensions, 24:6755
  - Model field theory in five dimensions, 25:9868
  - Second Noether theorem for local field theories, 22:3505
  - Second Noether theorem for local field theories, 24:24421
- OLIVEIRA, Colber Goncalves Two-component spinors in the Hamiltonian formulation of general relativity, 21:18873
- OLIVEIRA, Jaime M. Costa Behavior of neutrons in multiplying medium, 25:12341 (LFEN-NI.-46-a)
  - Calculation of the variation with time of the neutron density in a reactor after an abrupt change in reactivity, 25:23396 (LFEN-NI.-48-a)
  - Correlation methods in the study of nuclear reactor, 25:23397 (LFEN-NI.-58-a)
  - Experimental study of the kinetics and dynamics of critical assemblies for thermal neutrons, 25:10174 (LFEN-109-B)
  - Numerical treatment of the results of an experimental rod drop in a nuclear reactor, 25:26061 (LFEN-NI.-49-a)
  - Study of the dynamic behavior of a nuclear reactor after an abrupt change in reactivity, 25:26070 (LFEN-NI.-47-a)
- OLIVEN, M. N. Microburst phenomena. I, 22:22053
  - Microburst phenomena. II, 22:22052
  - Microburst phenomena. III, 22:22051
  - Simultaneous satellite and balloon observations of the same auroral-zone precipitation event, 22:2927
- OLIVEN, Melvin Norman Energetic electron clouds in the Earth's magnetotail and environs, 25:16966
- OLIVER, A. J. Air leakage into plutonium gloveboxes and its effect on inert operations, 25:54944 (CONF-710401-, pp 83-97)
- OLIVER, B. A. AECL's requirements for station power supplies, 25:41266 (EUR-4517, pp 57-84)

OLIVER, B. M. Radio-frequency floating double probe as a plasma diagnostic, 24:28239
OLIVER, C. J. Fast neutron time-of-flight spectrometer, 21:17878
  Spectroscopic factors derived from $^{16}O(d,n)^{17}F$ measurements, 23:23630
  The use of photomultiplier tubes for photon counting, 24:532
OLIVER, D. Expression for thermal conductivity of Lorentz gas in a magnetic field, 23:42325
OLIVER, D. A. Electrode-size effects in MHD generator with nonuniform electrical conduction, 22:26273
  Finite ionization rate effects over electrodes in MHD channels, 22:26292
  Nonuniform electrical conduction in MHD channels, 21:35062
OLIVER, D. B. Anisotropy of scintillation response of anthracene to neutron generated recoil protons and carbon ions, 22:40418
OLIVER, D. W. Thermal conductivity of boron and some boron compounds, 25:47174
OLIVER, David A. Nonuniform electrical conduction in magnetohydrodynamic channels, 22:34322 (AD-661586)
OLIVER, David Anthony Nonuniform electrical conduction in magnetohydrodynamic channels, 22:24106
OLIVER, G. Electron magnetic resonance spectra of radicals from amino acids, 24:9382
  Semi-classical interaction between electromagnetic field and a three-level quantum system, 25:38602
OLIVER, G. D. Neutron-shielding qualities of water-extended-polyesters, 25:7439
OLIVER, G. D. Jr. Dosimetry of an implantable ^{252}Cf source, 23:29529
OLIVER, George Cytogenetic determination of the OER and RBE of ^{252}Cf, 25:49284 (CONF-710402-(Vol.2), pp II.29-36)
OLIVER, George D. Radiocytogenetic determination of oxygen enhancement ratio of ^{252}Cf, 24:39576
OLIVER, George D. Jr. Experience in treatment dose calculations for ^{252}Cf patients, 25:49174 (CONF-710402-(Vol.2), pp II.16-21)
OLIVER, George Davis Jr. Fast neutron dosimetry of ^{252}Cf, 22:43109 (TID-24609)
  Fast neutron dosimetry of ^{252}Cf, 23:9955
OLIVER, J. P. Mercury: observations of the 3.4-millimeter radio emission, 21:43704
OLIVER, John Core structures for nuclear reactors, 21:19501
OLIVER, John P. M17 and Taurus A: 3.4-millimeter contour maps and integrated fluxes, 25:40165
  Quasi-stellar radiosources: 88-GHz flux measurements, 22:13195
  Spectroscopic study of the remarkable nebula NGC 6302, 23:44130
OLIVER, K. E. Development and manufacture of some important components for the prototype fast reactor at Dounreay, 25:54071 (A/CONF.49/P-482)
OLIVER, L. Foldy—Wouthuysen transformation for particles in an electromagnetic field, 22:3314
  Observables for massive relativistic particles of arbitrary spin, 24:3552
  Recoil effects due to mass differences and quark model of diffractive production of N*(1470, 1690), 25:33756
OLIVER, M. L. Attenuation of triangular pressure pulse with distance, 24:18839 (SC-RR-69-596)
OLIVER, R. Are dose records and medical supervision necessary for low level radiation exposures, 23:33711
  Clinical use of whole-body counters, 22:23285
  Dosimetric and radiation protection aspects of cellular irradiation, 24:32004
  Effect of irradiation at extremely high dose-rates, 23:50819
  Effect of ultrasonic irradiation on seedlings of Vicia faba, 24:917
  Hazard control for helium-neon gas lasers, 25:16199
  Health physics in the use of non-ionising radiations, 24:12093
  New method of estimating the cell cycle time in epithelial tissues of long generation time, 22:45419
  Radiation dose to the patient in cardiac radiology, 24:48634
  Radiation exposure in diagnostic x-ray departments, 23:45739
  Radiation physics in radiology, 21:39362
  Relative biological effectiveness of tritium beta particles compared to gamma radiation: its dependence on dose-rate, 22:40874
OLIVER, R. G. Critical incident alarm Model II, 21:28299 (HW-78862)
OLIVER, R. H. Diagonal conducting wall generators, 22:52566
OLIVER, Richard T. Nonferrous metallurgy. I, 23:26174
  Nonferrous Metallurgy. I, 21:21903
OLIVER, S. Movement of Mn, Fe, B, Cu, Zn, Al, and Sr from one soil to the surface of soybean roots, 21:16005
OLIVER, Shirley M. Prog. rpt. on acceptability of shelter rations in combination with adjuncts, 4/66—2/67, 21:43213 (AD-651944)
OLIVER, W. Electron beam radiation curing of copolymers, 23:40731
OLIVER, W. F. Commercial aspects of instantaneous radiation cure of reinforced plastics, 22:11102
OLIVER, W. R. X-ray fluorescence analysis of strontium in bone, 22:40040
OLIVER, W. T. Effect of feeding irradiated onion to consecutive generations of the rat, 21:43545
  Effect of feeding irradiated onion to the rat for 1 year, 22:23693 (AECL-2706, pp 114-21)
  Effects of feeding irradiated onion to rats and pigs, 21:43549
  Long-term effects of feeding irradiated onion to dogs, 21:43548
OLIVER, William Photomultiplier shield and base system, 22:38151 (UCRL-18031)
OLIVER, William F. Commercial aspects of instantaneous radiation curing of reinforced plastics, 22:10268
OLIVER, William J. Factors contributing to severity of herpes zoster in children, 21:8868
OLIVER, William P. Measurement of branching ratio $K/sub\ L/^{\circ} \rightarrow 2\pi^{\circ}/K/sub\ L/^{\circ} \rightarrow 3\pi^{\circ}$, 24:20066 (UCRL-19397)
OLIVER, William Parker Measurement of the branching ratio $K/sub\ L/^{\circ} \rightarrow 2\pi^{\circ}/K/sub\ L/^{\circ} \rightarrow 3\pi^{\circ}$, 25:14530
OLIVER, Young Pinckney Total loss cross sections for D_2 molecules passing through H_2 gas, 25:35855 (UCRL-20099)
OLIVER DE PADOVANI, I. Distribution of trace elements in the marine environment, 21:16303
OLIVEREAU, Madeleine Modifications of cells of radiothyroidectomized eel, 23:26908
OLIVERI, E. Nuclear core renormalization and scaling properties of some residual interactions, 25:53876
  Optimum step compositions for stripping and enrichment squared-off cascades, 24:48228
  Physics of local pile oscillators, 21:17530
OLIVERI, Elio Electronic device with a multichannel analyzer for the determination of two mixed radioisotopes by means of half-life measurements, 21:6234
  Squaring criteria for diffusion cascade in isotopic enrichment of U, 25:29281
OLIVERIO, Vincent T. Tritium and ^{14}C by O flask combustion, 21:25780
  Tritium and ^{14}C by O flask combustion, 22:16471
OLIVERIOR, A. Titanous chloride in the quantitative determination of As, Sb, and Bi, 25:6239 (MLM-1766(TR))
OLIVERIRA, J. Costa Absolute measurement of reactor power by neutron noise analysis, 25:20792
OLIVI, A. Carburation rate of UO_2 microspheres, 24:51194
  Conversion of UO_2 microspheres to UC_2 microspheres, 23:46118
  Corrosion products build-up in primary circuit of reactor, 24:31060
OLIVI, L. Scattering of slow neutrons by orthohydrogen, 24:52357 (EUR-4496)
  Slow-neutron scattering by solid ortho-hydrogen, 24:30677
OLIVIER, Colenso Analysis of elements by charged particle spectrometry, 24:64
OLIVIER, H. R. Preparation and testing of radiovaccines, 22:52086
OLIVIER, J. C Polarization parameter in $K^{+-}p$ and anti pp elastic scattering at 10 and 14 GeV/c, 25:56438
OLIVIER, J. C. Polarization in proton—proton elastic scattering at 10, 14, and 17.5 GeV/c, 25:56419
  Polarization parameter in $\pi+-p$ and pp elastic scattering from 6 to 12 GeV/c, 21:9711
  Polarization parameter in $\pi^{+}p$ elastic scattering at 10, 14, and 17.5 GeV/c, 25:56437
OLIVIER, Joseph Mounting device for fuel element assemblies in a nuclear reactor, 21:2907
OLIVIER, P. Corrosion of Zr alloys in high temperature water and steam, 24:2885
  Corrosion of Zr alloys in water and steam, 25:42810
  Influence of addition elements and of the structure on zirconium alloys in water and steam at high temperature, 25:44992 (AEC-tr-7235)
OLIVIERI, A. Repair and radiosensitivity phenomena in Drosophila males, 22:25821
OLIVIERI, E. Effective four-body interaction in light nuclei, 25:28482
  Quadrupole force in nuclear spectroscopy, 24:38306 (NP-18279)
  Quadrupole force in nuclear spectroscopy, 25:5809
OLIVIERI, G. Nonrandom rejoining in the formation of chromatid interchanges, 24:2637
  Repair and radiosensitivity phenomena in Drosophila males, 22:25821
OLIVO, M. A. Gamma-ray yields from $D(p,\gamma)\ ^{3}He$, 25:14885
  Low cost deuterated polyethylene targets of controlled thickness for high current accelerators, 22:7598
  Maximum likelihood technique for fitting counting distributions. II, 23:2721
OLIVO, Miguel Angel Angular distributions from reaction $D(p,\gamma)^{3}He$ below 200 keV, 24:10907
OLIVO, O. M. Degeneration of cells in mitosis induced by x radiation (20,000 to 100,000 R), 25:8751
  Effect of ionizing radiations on fibroblast mitosis, 24:34594
  Effect of ionizing radiations on interphase of fibroblasts, 24:34593
  Ionizing radiation effects on neuroblast cultivated in vitro, 25:19120
  Mitosis in in vitro cultured fibroblasts following x irradiation, 25:8752
OLIVO, Oliviero Mario Migration and survival of fibroblast culture in chicken following exposure to x irradiation, 25:26642
OL'KHOVIKOV, V. A. Influence of neutron irradiation on the properties of samarium hexaboride, 25:52477 (JPRS-53800, pp 307-13)
OLKHOVSKI, V. Interference between prompt and delayed processes of nuclear reactions, 21:38391
OLKHOVSKII, V. S. About a space-time operator in collision descriptions, 25:25406 (ITF-70-85-E)
  About Lorentz transformations and tachyons, 25:22896
  Calculating (n,2n) reaction amplitude on heavy nuclei. II, 25:31394 (ITF-70-95-E)
  Calculating (n,2n) reaction amplitudes of heavy nuclei, 25:39116
  Collision-process life-times and causality, 23:23389 (ITF-68-82)
  Collision-process lifetimes and causality, 23:49224
  Direct processes in reaction (n,2n) on heavy nuclei, 24:30815
  Four particle system ground state, 23:23750 (ITF-68-83)
  Four-particle system ground state, 24:6956
  Investigation of collision times in elastic scattering of particles, 23:19183
  Reactions in system of heavy nucleus and two neutrons, 25:34155 (ITF-70-97-P)
  Space—time operator in collision descriptions, 25:14830
  Studying scattering processes by means of the collision lifetime matrix method, 22:24916
  Three-body problem in quantum mechanics. I, 25:30709
  Three-body problem in quantum mechanics. II, 25:33511
  Three-body problem in quantum mechanics. III, 25:33512
  Time-dependent description of collisions, 25:47980
OLKHOVSKY, V. S. Space—time shifts and cross sections in collisions between relativistic wave packets, 22:15795
  Space—time shifts and cross-sections in collisions between relativistic wave packets, 22:20260
OLKOVSKY, V. S. About calculating (n, 2n): reactions amplitudes on heavy nuclei, 25:50811 (ORO-3992-47)
OLLARVES, H. Calibration of Am—α—Be neutron source by the manganese sulfate method, 24:30679
  Measurement of temperature coefficient in nuclear reactor from xenon poisoning, 24:18741
  Reactor power measurements from xenon poisioning, 24:22503
  The use of xenon poisoning for measurements of reactor parameters, 23:4352
OLLENDORFF, Franz Propagation of electromagnetic step-function waves in the ionosphere, 23:42098
OLLENDORFF, W. Lanthanide oxalates and some of their derivatives, 25:51469 (CONF-711001-(Vol.1), pp 330-42)
OLLENDORFF, Wolfgang Crystal structure of some lanthanide oxalates, 23:20981 (NP-17765)
OLLER, William L. Evaluation of the Fricke dosimeter, 24:4628
OLLERHEAD, R. W. Gamma-ray angular correlation studies on levels of ^{28}Si and ^{29}Si, 21:2704
  Gamma-ray angular correlation studies of levels of ^{29}Si, 22:26993
  Lifetimes and branching ratios of energy levels of ^{28}Si. II, 23:15409
  Lifetimes and decay modes of energy levels in ^{23}Mg, 22:50587
  Lifetimes in ^{32}S, 24:26618
  On-line computer method of particle identification, 23:29200
  Reaction $^{26}Mg(p,t)^{24}Mg$, 24:43289
  Spin—parity combinations in ^{23}Ne, 25:36698
  Study of ^{20}Ne levels by radiative capture, 21:13852
  Study of levels in ^{24}Mg, 22:39614
  Study of some ^{20}Ne levels by radiafive capture, 21:25494
  Transition probabilities in ^{20}Ne, ^{24}Mg, and ^{28}Si, 22:20539
  Weak gamma-ray transitions in ^{20}Ne, 22:9818
OLLEY, F. K. Type 'A' packaging for liquids and gases, 23:4794 (AERE-R-5701)
  Use of massive foamed polystyrene in radioactive transport packaging, 22:51198 (AERE-M-2086)
OLLEY, J. A. Radiation Damage in II—VI semiconductors, 25:19793
OLLIER, H. Improved fuel elements for gas-cooled, graphite-moderated, natural U reactors, 25:54091 (A/CONF.49/P-608)
  Reliability and safety of fuel elements for gas—graphite reactors, 25:3879
  Test program for fuels to be used in Pegase, 21:23733
OLLILA, T. Mechanical properties of wood-plastic-combinates, 24:19524
OLLIS, D. F. Surface and bulk carburization of tungsten single crystals, 25:27225
OLLISON, Will Mann Bond energy effect for abstraction from n-perdeuteriobutane by fast H atoms, 24:13857
OLMA, B. Search for E0 transitions in ^{208}Pb, 24:43338
OLMAN, M. D. Molecular constants of nitrogen dioxide from the near infrared spectrum, 22:33309
  Radiative energy losses from a hydrogen plasma with impurities, 24:6537 (SC-RR-69-758)
OLMAN, Melvin Dennis High resolution absorption, zeeman, and magnetic rotation spectra of nitrogen dioxide in the near infrared, 22:33349
OLMEDO, L. Ground roughness calculations for fallout gamma rays, 21:1457 (RRA-T-61 and Summary)
OLMR, J. Last phases of development of active regions, 23:36367
  Observations of chromospheric flares at Ondrejov, 25:27391
  Observations of chromospheric flares at Ondrejov, 25:30189
  Optical and radio phenomena of active regions in minimum of solar activity, 23:14526
  Radio emission of spotgroups, 23:36438
  Relation between optical and radio phenomena of the Sun, 22:52464
  Relation of 1420-MHz radio emission to distribution of photospheric magnetic fields, 23:30258
  Relationship between soft x-ray and radio emissions in the 20th solar cycle, 25:19430
  Solar radio bursts in range 536 to 2000 Mc, 22:28982
  Solar radio bursts in the frequency range 536 to 2000 Mc, 21:28947
  Type-IV bursts and associated active regions, 21:28946
  Type-IV bursts and associated active regions, 22:28985
OLMSTEAD, W. J. Electrolytic hydrogen—deuterium separation factor, 23:28954
  Temperature dependence of electrolytic hydrogen—deuterium separation factor, 24:29366
  Yields of mass-135 xenons in thermal neutron fission, 25:34087
OLNESS, J. W. Beta decay of ^{35}S, 25:34051
  E2 and M1 matrix elements in ^{10}B, 22:41958
  Electric quadrupole transitions near A = 16: the lifetimes of the ^{16}N 0.120-, ^{18}F 1.125-, ^{19}F 0.197-, and ^{19}Ne 0.241-MeV levels, 21:23435

Electromagnetic decay of the ^{14}N 3.95- and 7.03-MeV levels, 21:19195
Energies and decay modes of ^{19}Ne states, 21:44635
Gamma-ray decay of bound levels of ^{12}B, 22:20491
Gamma-ray decay of the low-lying levels of ^{21}F, 25:7838
Gamma-ray spectroscopy in ^{22}Na, 23:46955
Gamma-ray spectroscopy in light nuclei: ^{22}Na, 22:41978 (BNL-12621)
Gamma-ray transitions between the low-lying levels of ^{18}F, 21:23428
Levels in ^{33}P, 24:52523
Levels of ^{18}F from the ^{16}O(^{3}He,pγ)^{18}F reaction, 21:29903
Levels of ^{34}S from ^{32}S(t,p)^{34}S, 25:43869
Lifetime of 5^{-} 4585 keV ^{38}Ar level, 25:5664
Lifetime of the $^{1}/_{2}^{-}$ 2791-keV ^{21}Ne level, 25:43870
Lifetime of the first excited state of ^{11}Be, 25:43820
Low-lying levels of ^{24}Ne, 24:38169
Mixing ratios in the ground-state decays of the 3.68- and 3.85-MeV levels of ^{13}C, 21:2632
Nuclear structure of ^{22}Na. I, 21:40416
Nuclear structure of ^{22}Na. II, 21:46696
Nuclear structure of ^{22}Na. III, 22:9836
Nuclear structure of ^{22}Na. IV, 22:26958
Nuclear structure of ^{22}Na. V, 22:50570
Nuclear structure of ^{22}Na. VI, 24:38164
Studies of ^{18}F from the ^{16}O(^{3}He,p γ)^{18}F reaction, 21:2633
Studies of ^{37}Ar via ^{36}Ar(d,pγ)^{37}Ar reaction, 25:25679
Studies of ^{41}Ar from the ^{40}Ar(d,pγ)^{41}Ar reaction, 21:19229
Studies on some low-lying levels of ^{21}Ne, 21:31759
Studies on the ^{22}Ne(d,pγ)^{23}Ne reaction, 21:19230

OLOFSON, C. T. [Recent research on] metalworking, 25:27194
Machining and grinding of ultrahigh-strength steels and alloys, 22:28755 (NASA-SP-5084)
Metalworking, 25:58199

OLOMBEL, Andre Method of preparation of pollucite and its application to the production of radioactive sources, 22:37772
Method of preparing calcined pollucite, 24:10144 (ORNL-tr-2274)
Radioactive ceramic source of calcined pollucite, 24:14170 (ORNL-tr-2273)

OLOVSSON, Ivar Hydrogen bond studies. XXXXVI. Crystal structures of normal and deuterated sodium hydrogen oxalate monohydrate $NaHC_2O_4.H_2O$ and $NaDC_2O_4.D_2O$, 25:10543

OLP, R. Conceptual system design description of EBR-II in-core instrument test facility, 24:4085 (ANL-EBR-4)

OLP, R. H. Design and analysis of instrumented subassembly system for EBR-II, 23:11271 (ANL-7423)

OLSCHEWSKI, L. Determination of nuclear dipole moment of ^{171}Yb and ^{173}Yb by optical pumping, 21:17378
Polarization of the nuclear dipole moments of ^{135}Ba and ^{137}Ba by optical pumping, 21:1102

OLSEN, A. Comparative studies of mathematical hydrodynamic models applied to selected boiling channel experiments, 22:37441 (HPR-97)
Prediction of burnout in annuli, 23:38163 (RISO-M-905)
Prediction of burnout in Marviken out-of-pile fuel test-elements, 23:40368 (RISO-M-900)

OLSEN, A. R. Actinide redistribution in irradiated $(U,Pu)O_2$, 25:40113
Analysis of the validity of fast reactor fuel tests in existing test reactors, 24:1999 (ORNL-TM-2716)
Development of coated-particle fuels for advanced gas-cooled reactors, 22:23853 (CONF-660524-, pp 273-92)
Estimation of resonance effects in fuel burnup analysis, 21:23746 (ORNL-TM-1760)
Experiment description and hazards evaluation for oxide fuels irradiation in EBR-II, 24:23541 (ORNL-TM-2635)
Experiment description and hazards evaluation for the Series I ORNL oxide fuels irradiation in EBR-II, 25:11533 (ORNL-TM-2635(Suppl.))
Fabrication and irradiation testing of sol—gel fuels, 21:44961 (ORNL-TM-1971)
Fabrication and preirradiation information on vibratorily compacted ThO_2—UO_2 fuel rods, 21:22905 (ORNL-TM-1322)
Fuel-cladding chemical interactions in low-density $(U,Pu)O_2$ fuel pins, 25:40138
In-reactor restructuring temperatures and kinetics for $(U,Pu)O_2$, 25:32850
In-reactor restructuring temperatures and kinetics for $(U,Pu)O_2$, 25:44124 (ORNL-TM-3387)
Intermediate-burnup irradiation tests of sphere-pac sol-gel fuels, 24:33556
Irradiation of bulk oxide fuels, 23:16548 (ORNL-4275, pp 121-34)
Irradiation of coated-particle fuels, 23:16547 (ORNL-4275, pp 88-98)
Irradiation performance of $(U,Th)O_2$ coated fuels for HTGR's, 24:30052 (CONF-700502-, pp 567-84)
Irradiation performance of sol-gel $(U,Pu)O_2$ fuels for breeder reactors, 24:30049 (CONF-700502-, pp 359-73)
Low-burnup irradiation tests of Sphere-Pac sol-gel $(U,Pu)O_2$ fuels, 24:7373
Performance of pyrolytic-carbon-coated sol—gel UO_2 microspheres in high-burnup irradiation tests, 21:36945
Sol—gel thoria extrusion, 23:1022 (ORNL-4311)
Sol—gel urania—plutonia microsphere preparation, 23:10252
Testing of a design analysis for coated-particle fuels, 21:8146
Thermal performance and restructuring of pellet and sphere-pac fuels, 25:5992
Thermodynamic applications to (U,Pu)O/sub 2 +- x/ fuel systems, 23:24993 (ORNL-TM-2494)

OLSEN, B. Alternating direction implicit method applied to the calculation of a magnetic field from a measured boundary, 22:1546
Computer investigations of a double focusing spectrometer and comparisons with experimental results, 22:28138
Design of magnetic spectrometers, 24:36608
Errors in measurement of a magnetic field versus accuracy of computed particle trajectories, 21:40317
Particle trajectories in magnetic fields, 22:28137
Properties of an alternating direction implicit method in the calculation of a magnetic field from a measured boundary, 21:37967 (UUIP-536)
Theory of nuclear magnetic resonance detected by nuclear radiations, 25:56372

OLSEN, B. A. Effect of nuclear magnetic resonance on angular correlations and distributions, 22:42103 (UUIP-583)
Resonance destruction of angular correlations: ^{100}Rh in Fe and Ni, 21:44154 (UCRL-17509)
Resonance destruction of angular correlations: ^{100}Rh in Fe and Ni, 22:46234

OLSEN, B. E. Computer program for calculation of pressure vessels, 23:15748

OLSEN, Barbara Ann Nor steroids. VI, 22:2051

OLSEN, Bengt Computer design and optimization of iron cored particle focusing devices, 22:40487 (UUIP-586)
Numerical investigations in nuclear and atomic spectroscopy, 22:40495

OLSEN, Birthe Simple program for pulse-height analysis with time-sharing for routines using the peripheral units, 25:26497

OLSEN, C. Magnetic properties of $DyAl_2$ and $NdAl_2$, 21:3926
Magnetic properties of $PrAl_2$ and $ErAl_2$, 22:48197

OLSEN, C. E. Debye—Scherrer camera filter attachment for use with radioactive specimens, 25:2508
Magnetic properties of $PrAl_2$, 21:4932 (LA-DC-8136)
Magnetic properties of $PrAl_2$, 21:20518
Parity-nonconserving γ-ray asymmetry, 25:39049
Self-irradiation of plutonium and its alloys, 22:36515
Superconductivity in β-beryllium and related phases, 21:13476

OLSEN, C. S. Characterization of thoria gel by infrared spectroscopy, 21:35922 (TID-23957)
Measurements of reaction of UO_2 with water for transient energy depositions to 550 cal/g of UO_2, 25:54159 (IN-ITR-108)
Metal-water reactions resulting from transient irradiations in the capsule driver core, 23:4378
Model for shrinkage of thoria gel based on kinetics and surface characterization using infrared spectroscopy, 24:29240 (CONF-700502-, pp 476-509)

OLSEN, C. W. Soil strain near a nuclear detonation, 25:10732

OLSEN, Charles Stanley Surface chemistry of thoria gel, 22:27727

OLSEN, Clayton E. Magnetic properties of $DyTl_3$, 25:1313 (CONF-700403-(Vol.1), pp 63-73)

OLSEN, Clifford W. Time history of the cavity pressure and temperature following a nuclear detonation in alluvium, 22:200

OLSEN, D. Instrumentation and electronics for the SLAC beam switchyard, 21:38127

OLSEN, David K. (p,t) and (p,tau) reactions on ^{18}O at 39.8 MeV, 25:48034
Search for unbound states in ^{3}He through ^{6}Li(p,α), 23:15360

OLSEN, David Kurt Reactions (p,t) and (p,^{3}He) on light nuclei, 25:17710

OLSEN, E. H. Consistency of calibrations of photometric systems, 25:58480
Photoelectric photometry of 1160 late-type stars, 24:46841
Variability of A and F main sequence stars, 25:35651

OLSEN, E. T. Optical identification of radio sources selected from 4C catalog, 24:39766 (AD-704793)
Optical identification of radio sources selected from the 4C catalogue, 24:46909
Rapid variations in radio polarization of BL Lac, 24:10255

OLSEN, Edward T. Evolution at 8 GHz of linear polarization of 3C 279, 25:58556

OLSEN, Erik Heyn Classification of early M giant stars, 22:49895

OLSEN, Frederic P. Chemistry of n-$B_{18}H_{22}$ and i-$B_{18}H_{22}$, 22:37750

OLSEN, Gregory Hammond Fcc-bcc transformation in thin iron films, 25:18300 (ORO-3108-107)

OLSEN, H. Electromagnetic interactions of particles with spin. I, 25:25365
Electromagnetic interactions of particles with spin. I, 25:36450

OLSEN, H. J. Fogh Catalogue of proper motions for 437 A stars, 24:23552
Proper motions of 1160 late-type stars, 24:46840

OLSEN, H. N. Absorption corrections for optically thick plasmas, 25:5088 (AD-710218)
Determination of departures from local thermodynamic equilibrium in arc plasmas, 21:37443 (ARL-67-0060)
Development of diagnostic methods for seeded air and nitrogen plasmas, 23:34381 (AD-679530)
Numerical method for obtaining internal emission coefficients from externally measured spectral intensities of asymmetrical plasmas, 22:41551
Spectroscopic observations on induction-coupled plasma flames in air and argon, 22:22127
Temperature measurements in 50-MW EGD facility, 25:16865 (AD-713672)

OLSEN, H. Smidt Burn-up experiments with the HBWR second fuel charge, 23:17165 (HPR-86)
Physics and dynamics of BHWRs based on experience with Halden Boiling Water Reactor, 22:30257

OLSEN, Haakon Complex scattering amplitudes in elastic electron scattering, 22:3335
Elastic scattering of electrons and positrons by screened nuclei, 21:4281
High-energy proton-nucleus scattering at small angles, 21:2808
Molecular coherence effects in radiation processes: bremsstrahlung, 24:51389

OLSEN, Haakon A. Exact calculation of pair production, 22:44790
Exact calculation of pair production, 23:5571
Polarization effects in induced emission of bremsstrahlung, 22:45942
Polarization effects in induced emission of bremsstrahlung, 22:50033

OLSEN, Hans Otto Theoretical and experimental investigation of impedance void meters, 22:391 (KR-118)

OLSEN, Harry N. Spectral diagnostic method for determining internal properties of asymmetrical plasmas, 24:3303 (AD-692511)

OLSEN, J. Determination of polarization of Bragg-reflected gamma rays by means of Moessbauer effect, 23:23249
Moessbauer spectra with source and absorber at rest relative to each other, 21:27544

OLSEN, J. L. Change of Ginzburg—Landau parameter under pressure, 22:24211
Conference on electron mean free paths in metals, Zurich, 9/68, 23:34504
Experimental aspects of type-II superconductors, 23:20841
Mechanical effects in type II superconductors, 22:52688
Pressure dependence of the superconducting transition temperature, 22:17588
Pressure effect on critical fields of superconducting metals Al, Ga, and Th, 25:25027
Remarks on a new superconducting rectifier, 23:6248
Some fundamentals of low-temperature conductors and superconductors, 22:38986
Superconducting bridge rectifier and remarks on current supply for superconducting coils, 22:13386

OLSEN, J. M. Search for decay mode eta^{0} $\rightarrow$ $\pi^{0}\gamma\gamma$, 22:5494

OLSEN, J. N. Fractional fringe HCN laser-interferometer, 24:42657 (ORNL-TM-3092)
Fractional fringe HCN laser-interferometer, 25:19663
Turbulent ion heating in burnout V, 24:47195
Understanding turbulent ion heating in the Oak Ridge mirror machine, Burnout V, 25:38348 (CONF-710607-62)

OLSEN, J. O. Equilibrium charge distributions of ion beams in carbon, 25:16758

OLSEN, J. S. Concentration of 400 keV channeled P ions in Si, 24:40164
Measurements on silicon implanted with channeled and nonchanneled dopant ions, 22:26490
Radiation damage in single crystals of Si, 24:6636

OLSEN, John Norman HCN laser—interferometer for measurement of plasma density, 25:38408

OLSEN, K. H. Substrate—condensate chemical interaction and the vapor deposition of epitaxial niobium films, 22:7369
Substrate—overgrowth interaction during the epitaxial growth of niobium on magnesium oxide, 23:12339
Testing the surface-follower wave-height measuring system, 22:21012 (UCRL-50379)

OLSEN, K. J. Evidence of the O_3^- radical in irradiated sodium bromate by ESR, 22:2112
Radiolysis of benzene vapour by low-energy heavy ions, 25:57469
Radiolysis of frozen solutions containing oxybromine anions, 25:39548
Radiolysis of water vapour by low-energy heavy ions, 24:11606

OLSEN, Kenneth H. Deep ocean surface wave measuring buoy system, 21:30322 (NVO-98-29)
Power spectrum of 3C 273 light fluctuations, 24:42394

OLSEN, L. A. R. Threshold electron impact excitation to a ^{3}PI state of carbon monoxide, 24:28105
Threshold electron-impact excitation of the 5s electron in xenon, 24:3185
Threshold electron-impact excitation of the rare gases, 24:45021
Threshold excitation and ionization of xenon by electron impact, 23:48743

OLSEN, L. C. Betavoltaic nuclear electric power sources, 24:5817
Expanded pyrolytic graphite, 24:21430

OLSEN, R. Remote ferrite core readout wire spark chambers, 24:5928

OLSEN, R. H. Use of the electron microprobe for measuring air contamination in Ti:6Al-4V, 24:42147

OLSEN, R. J. Measurement of particle—matrix interface strength in TD-nickel, 25:35458

OLSEN, Richard E. Thyroid disease among young people in Utah, 1948—1962, 22:15084

OLSEN, Robert Design plan for investigating the atmospheric environment associated with high-altitude nuclear testing, 24:29407 (AD-688512)

OLSEN, S. Asymmetry parameter for $\Lambda^{0} \rightarrow n\pi^{0}$, 24:24222
Proton—neutron triple scattering at 425 MeV. I, 23:5533
Proton—proton triple scattering at 430 MeV, 22:34843
Spark chamber—computer system for measurement of proton polarization, 21:39228

OLSEN, S. L. Polyethylene spark chamber for 50 to 250 MeV neutrons, 23:22094

OLSEN, Stephen Lars The /ΔI Vector/ = $^{1}/_{2}$ rule and Λ^{0} decay, 25:12080

OLSEN, T. M. Development of flat response counters by adjoint transport calculations, 21:3258

OLSEN, W. C. Electric dissociation of H^- ions by magnetic fields, 24:3820
Electric dissociation of H^-ions by magnetic fields, 23:49245 (TRI-69-1)
Electromagnetic properties of ^{55}Fe, 25:12483
Electromagnetic transitions in ^{53}Cr, 24:43221
Excited states of ^{53}Cr, 24:35848

- Gamma-ray angular correlation studies of low-lying levels in ^{23}Na, 23:5846
- High spin states in ^{55}Fe, 24:43222
- High spin states in ^{55}Fe, 25:3624
- Levels in ^{25}Mg by the ^{24}Mg(d,pγ)^{25}Mg and ^{25}Mg(p,p'γ)^{25}Mg reactions, 23:49369
- Levels of ^{27}Mg by the ^{26}Mg(d,pγ)^{27}Mg reaction, 23:52127
- Modifications to the TMC model 210 pulse height logic unit, 21:39303
- Positive parity states in ^{40}K, 23:42882
- Positive parity states in ^{40}K, 24:43223
- Reaction ^{40}Ar(p,nγ)^{40}K, 24:28753
- Study of ^{30}P levels below 5 MeV, 22:29966

OLSEN, William R. Technique to determine changes in blood capillary flow, 23:20276

OL'SHANETSKII, V. E. Effect of boron and cerium on mode of distribution of excess carbides at grain boundaries in ZhS-type complex nickel-base alloy, 21:36867

OL'SHANSKII, Yu. E. Asymptotics of total annihilation cross section of e^+e^- pair into any number of photons and any number of $\mu^+\mu^-$ pairs at high energy, 25:38706

OLSHANSKY, R. Chiral symmetry breaking of the vacuum, 25:38769 (NYO-2262-TA-242)
- Interpretation of a large value of the nucleon sigma commutator, 25:38742 (NYO-2262-TA-243)

OLSHANSKY, Robert Consistency of hard pion theorems in K/sub l3/ decays, 25:14633 (NYO-2262-TA-233)
- Consistency of hard-pion theorems in K/sub l3/ decays, 25:33653
- E(2) expansion, 25:14753
- Okubo's second-class currents in K/sub l2/ and K/sub l3/ decays, 25:19965 (NYO-2262-TA-236)
- Okubo's second-class currents in K/sub l2/ and K/sub l3/ decays, 25:38720

OLSHAUSEN, K. D. Effect of radiation on Al—4 percent Cu alloy, 21:43643 (JUL-448-RW)
- Fuel and material testing for pebble-bed reactors, 23:37519

OLSHEVSKAYA, O. P. Effect of irradiation conditions on the recovery of somatic cells in mammalian organism, 25:35218
- Effects of radioprotectors under conditions of fractionated irradiation. VI, 23:24681
- Elimination of chromosomal lesions in cells of rat's liver in case of fractional x-ray treatment, 22:31054
- Influence of protectors on the irreversible component of radiation injury, 22:47554

OLSHVANGER, Boris Akibovich Determining the surface density and thickness of sheet materials, 24:505
- Measuring the surface density and thickness of sheet and film materials, 22:36119

OLSMATS, M. Atomic-beam measurements in the rare-earth region, 25:28298 (CERN-70-30(Vol.1), pp 387-94)
- Hyperfine structure investigations of ^{55}Mn and /sup 52m/Mn, 25:31294
- Nuclear spins of neutron-deficient holmium and erbium isotopes, 23:40033 (UUIP-648)
- Nuclear spins of neutron-deficient holmium and erbium isotopes, 23:52152
- Nuclear spins of neutron-deficient thulium isotopes, 25:48111

OLSMATS, Mats Atomic-beam investigations of short-lived nuclei, 22:29943

OLSON, A. O. Mutation and repair in Euglena gracilis, 23:45688 (AECL-3334)
- Mutation and repair in euglena gracilis, 24:41816

OLSON, A. P. Predicted characteristics with actual observation for ZPPR-2, 25:6113

OLSON, A. R. Pyrolytic-carbon-coated sol—gel UO_2 particles for ETR X-basket-2 irradiation experiment, 22:26082 (ORNL-TM-2097)

OLSON, Alfred C. Scintillation counting of ninhydrin-amino acid-^{14}C reaction products from an automatic amino acid analyzer, 22:37659

OLSON, Arne P. Approach-to-critical by modal analysis for plutonium-fueled systems, 23:4375
- Calculation of heterogeneity effects in ZPR-type reactors, 24:7231
- RABID: an integral transport-theory code for neutron slowing down in slab cells, 25:12336 (ANL-7645)
- Resonance absorption in multiplate reactor cells by integral transport theory, 22:33012

OLSON, B. L. Magnetic and magneto-optical properties of Fe-doped EuO films, 25:27897
- Melt growth of crystals in the Na_2O—BaO—Nb_2O_5 system, 24:14957
- Molten solution grown potassium sodium barium niobate crystals, 24:1075

OLSON, Carl A. Solar loop prominences: a theoretical model, 22:844

OLSON, Carl Adelbert Solar loop prominences: a theoretical model, 22:24020

OLSON, Clifford A. Wind data for Albuquerque area, 24:36413 (SC-M-70-144)

OLSON, Clifford Gerald Infrared spectra of substitutional H^- and D^- impurities in CsBr and CsI, 25:3958 (IS-T-388)

OLSON, Craig Transverse plasma wave echos, 23:25392 (AD-678350)
- Transverse plasma-wave echoes, 23:16845

OLSON, Craig Lee Electromagnetic plasma wave propagation along a magnetic field, 25:22568

OLSON, D. Computation of Moessbauer spectra. II, 23:27716
- Hyperfine anomaly in ^{193}Ir by Moessbauer effect, 23:49017

OLSON, D. G. Direct calibration using gamma spectrometry for measuring radioactivity in humans, 22:51624
- Rotational technique for assessing quantity and distribution of body radioactivity, 23:50522

OLSON, D. J. Coolant flow distribution during decompression of a single-loop simulated PWR system, 25:6084
- Facility and data acquisition and processing system for heated core portion of test of semiscale blowdown and emergency core cooling, 25:51094 (IN-ITR-202)
- Semiscale Blowdown and Emergency Core Cooling (ECC) Project test report: Tests 822 and 823, 25:1910 (IN-1393)
- Semiscale Blowdown and Emergency Core Cooling (ECC) Project test report: tests 803 through 820, 25:8106 (IN-1404)
- Semiscale Blowdown and Emergency Core Cooling (ECC) project test report: Tests 824 and 825, 25:51135 (IN-1481)
- Semiscale blowdown and emergency core cooling, 25:51136 (IN-ITR-203)

OLSON, D. L. Chemical—mechanical polish for tungsten, 23:6657
- Electrotransport in liquid Na—K, 25:11404

OLSON, D. N. Heat distribution on 10 percent scale model Nimbus B sensory ring and SNAP 19 generator at mach 10, 21:19851 (MND-3607-95)

OLSON, Dale G. Radiochemical determination of ^{35}S, 24:9248
- Sources and prevention of recoil contamination of solid-state alpha detectors, 25:2479
- Technique for assessing quantity and distribution of body radioactivity, 21:32720
- Two studies of acute internal exposure to man involving cerium and tantalum radioisotopes, 23:31631
- Whole-body counter with rotating detectors, 23:26555

OLSON, David H. X-ray study of Sr—Na ion exchange in Linde X, 23:2392

OLSON, Donald M. Isotope-powered x-ray instrument for detecting the arrival on an interface in a pipeline, 22:43137

OLSON, E. C. Determination of solar Doppler widths by Goldberg's method, 25:27367
- Spectral classification and surface gravities for some bright eclipsing binaries, 22:41224

OLSON, E. L. Surgical probe for thyroid-cancer operations, 24:22989 (ORNL-TM-2885)

OLSON, Edward C. Detection and surface gravities of metallic-line early A stars, 23:22747
- Rotational velocities in early-type binaries, 23:6785

OLSON, F. A. Characterization of thoria gel by infrared spectroscopy, 21:35922 (TID-23957)
- Low temperature shrinkage of thoria gel. I, 21:45092 (TID-24086)
- Low temperature shrinkage of thoria gel. II, 22:21055 (TID-24336)
- Model for shrinkage of thoria gel based on kinetics and surface characterization using infrared spectroscopy, 24:29240 (CONF-700502-, pp 476-509)
- Pyrolysis and chromatographic analysis of urania gels and beads, 22:33296 (TID-24524)
- Residue analysis of thermally decomposed isocyanatopentammine cobalt(III) perchlorate, 22:12185 (SC-CR-67-2841)

OLSON, G. Superconducting properties of alloys in Nb—Ti—Mo system, 24:23927

OLSON, H. J. Radiometric dating of Idaho Bathoiith porphyries, 21:39039 (COO-689-76, App.A-X)

OLSON, H. W. Light-actuated trigger generator, 21:28308 (SCL-TN-67-42)
- One-point sampler, 21:22201 (SCL-TN-66-113)

OLSON, Harry J. Geology and tectonics of the Idaho porphyry belt, 23:6230

OLSON, I. K. Analysis and reduction of proton-recoil data, 22:49067 (ANL-7394)
- Analysis of Compton continuum measurements, 25:25704 (ANL-7611)

OLSON, J. C. Permanent magnet properties of YCo_5 powders, 22:24401 (CONF-670502-, pp 603-14)

OLSON, J. D. Computer program for calculation of particle size distribution from sedimentation data, 22:51136 (LA-4001)

OLSON, J. M. Light-induced reactions in chromatium chromatophores under controlled redox conditions, 22:6192 (BNL-11684)

OLSON, J. S. Accumulation and cycling of calcium by flowering dogwood trees, 21:39371 (ORNL-TM-1910)
- Ecological aspects of responses of Liriodendron tulipifera L. and Acer saccharinum L. to fast neutron radiation and reduced light, 25:6636 (ORNL-4610)
- Models of seasonal primary productivity in eastern tennessee festuca and andropogon ecosystems, 23:37856 (ORNL-4310)
- Progress in radiation ecology, 21:12883
- Summary of plant-soil data on ^{137}Cs in tagged forest dominated by Liriodendron tulipifera, 24:9802 (ORNL-TM-2737)
- Systems ecology, 24:39466 (ORNL-4446, pp 153-62)
- Transfers of ^{137}Cs to soils of Liriodendron forest, 21:34629

OLSON, J. V. Correlated observations of electrons and magnetic fields at the Earth's bow shock, 25:43238

OLSON, Jerry S. COMSYS1: stepwise compartmental simulation program, 24:38675 (ORNL-TM-2413)
- Internal distribution and loss from roots by leaching of ^{137}Cs inoculated into Liriodendron tulipifera L, 23:45627 (ORNL-TM-2660)

OLSON, John B. Zirconium—hafnium, 22:31320

OLSON, John M. Energy conversion in photosynthesis, 22:10118 (BNL-50051)

OLSON, John R. Jr. Use of local anesthesia for radium implantation, 25:16268

OLSON, John V. Crossing of the magnetopause at 6.6 R/sub E/ by ATS 1, 22:47982
- High-frequency magnetic fluctuations associated with earth's bow shock, 23:44291

OLSON, John Virgil Electromagnetic radiation in Earth's bow shock, 25:45375

OLSON, Judith Preoperative irradiation and chemotherapy in prevention of surgical failures, 23:38702
- Preoperative vs. postoperative irradiation, 24:21251

OLSON, K. E. Solidification of uranium production ingots, 21:39561 (NLCO-1001, pp 4.1-38)

OLSON, Karin E. Effect of brain stem irradiation on descending systems to the spinal cord, 25:8771

OLSON, Karin Emily Effects of x-radiation on the cerebellar granule cell and the resultant effects on some vestibular and spinal reflexes, 25:42657

OLSON, Kirtland H. Columnar electron content and D-region ionization studies with 100 kHz to 41 MHz data, 23:48808 (AD-690530)

OLSON, Leonard E. Decomposition of Legendre expansion coefficients for pseudoscalar meson—spin-1/2 baryon scattering, 21:37808

OLSON, Lynn Mary Near-steady oblique shock waves in a collisionless plasma, 25:14324

OLSON, Marlene Determination of total body water by deuterium oxide dilution and cryoscopy, 23:33594

OLSON, Marvin Changes in exchangeable body sodium (Na/sub e/) and potassium (K/sub e/) content in patients with neoplastic disease treated with irradiation, 24:44615

OLSON, Marvin H. Screening cranial vault by scanning, 24:32086

OLSON, N. J. Ternary thermodynamic properties and phase diagrams from binary data, 23:38999

OLSON, N. Thomas Cesium-ion bombardment of aluminum oxide in a controlled oxygen environment, 22:977
- Cesium-ion sputtering of single crystal Cu at 77°K, 22:17350
- Electron-microprobe determination of the angular distribution of sputtered aluminum atoms, 22:21862
- Evidence against focused chains in high-yield copper sputtering, 21:33178
- Oxygen surface-density measurements based on characteristic x-ray production by 100-keV protons, 23:3562
- Prog. rpt. on kilovolt ion sputtering, 8-10/66, 21:18407 (N-67-13184)
- Prog. rpt. on kilovolt ion sputtering, 11/66—1/67, 21:43748 (N-67-22064)
- Simultaneous measurement of sputtered constituents of Cu_3Au, 24:6614
- Sputtering of single-crystal copper by 400- and 600-keV argon ions, 22:47835
- Yield and angular distribution of cesium-sputtered molybdenum, 21:7001

OLSON, Noble Thomas Angular distribution and yield measurements of single-crystal Cu sputtered by 1- to 10-keV Cs ions, 21:41829

OLSON, Norman James Effect of precipitation on mechanical properties of Cu-1.9 percent Co and the Cu-2 percent Co-6 percent Zn systems, 25:23439 (IS-T-422)

OLSON, P. A. Effects of thermal increments on eggs and young of Columbia River fall chinook, 25:18264 (BNWL-1538)
- Reactor effluent monitoring, 1965, 21:14549 (BNWL-280, pp 132-3)

OLSON, P. R. Uptake of ^{131}I by the biota of Fern Lake, Washington, 24:23155
- Uptake of molybdenum, marked with ^{99}Mo, by biota of Fern Lake, Washington, 25:44287 (RLO-2225-T-7-2)

OLSON, Paul B. Isotopic dilution method for direct determination of oxygen in fluorinated organic materials, 24:29209

OLSON, Paul R. Accumulation of ^{45}Ca in developing Coho salmon eggs and fry reared in varying concentrations of stable calcium, 25:48400 (RLO-2225-T-7-4)

OLSON, R. Additional system for bone densitometry studies, 25:4634 (CONF-700515-, pp 33-47)
- Differential collision cross sections of argon and neon, 22:2795

OLSON, R. A. Angular distribution of particles and magnetospheric anisotropy at 17 earth radii, 21:15023 (LA-DC-6769)
- Directional and spatial distributions of the electron population in the neutral sheet, 21:23070 (LA-DC-7554)

OLSON, R. C. Capital cost breakdown for comparative evaluation of advanced converters, 21:19384 (ORNL-TM-1773)
- Determination of the Li^+—He interaction potential from low-energy experimental differential scattering cross section, 24:10374
- Power plant capital cost normalization, 23:33004 (ORNL-TM-2385)

OLSON, R. D. Magnetic cores for Astron Program, 22:11409 (UCRL-13257(Rev.1))

OLSON, R. E. Collision spectroscopy of the system Li_2^+, 24:15165
- Determination of Li—Hg intermolecular potential from molecular-beam scattering measurements, 23:5249
- Human element design considerations with gloveboxes at the Atlantic Richfield Hanford Company, 25:54938 (CONF-710401-, pp 4-16)
- Inelastic transition probabilities and their role in the quenching of glory extrema in atom—diatomic scattering, 23:12574
- Low-energy experimental He—He^+ elastic differential scattering cross sections to the $^2\Sigma$/sub g/$^+$ and $^2\Sigma$/sub u/$^+$ potentials, 21:31213
- Plutonium for recovery from scrap, 24:427
- Plutonium for recovery from scrap at Atlantic Richfield Hanford Co, 23:28939 (ARH-SA-26)
- Quenching of glory extrema in atom—diatomic molecule scattering, 22:43890
- Role of curve-crossings in molecular collisions, 25:8174 (SRIA-115-P-78-6)
- Semiclassical theory of inelastic scattering with applications to He^+ + Ne, 25:24890
- Two-state Stueckelberg—Landau—Zener theory applied to oscillatory inelastic total cross sections, 24:37259
- Westinghouse Plutonium Fuels Development Laboratory, design philosophy, and startup experience, 25:4302
- Westinghouse Plutonium Fuels Development Laboratory design, 25:51784

- OLSON, R. L. Lattice experiments with simulated burned-up fuel for D_2O power reactors, 22:25082 (DP-1122)
  - Measurements on lattices of UO_2—PuO_2 rod clusters in D_2O with D_2O, air, and organic coolants, 22:33027
- OLSON, R. S. Effects of laser micro-irradiation on chromosomes, 23:45710
  - In vitro production of chromosomal lesions with an argon laser microbeam, 23:14143
  - Laser micro-irradiation of chromosomes, 24:34264
  - New small mass critical configuration, 25:6101
  - Two-photon absorption in reduced nicotinamide—adenine dinucleotide (NADH), 21:34613
- OLSON, R. V. Metallographic preparation of some plutonium—uranium fuel materials, 24:3007
- OLSON, Richard K. Air ejector filter sampler: collector of radioactive stratospheric debris, 21:8464
- OLSON, Robert Argon laser micro-irradiation of mitochondria in rat myocardial cells in tissue culture, 25:11242
- OLSON, Robert A. Spurious second harmonics from modulated Langmuir probes, 22:1166
- OLSON, Robert E. Apparatus for positioning radioactive standard in counting apparatus, 24:46493
  - Counting statistics in radioactive sampling apparatus, 24:14276
  - Labyrinth light seal system for a liquid scintillation counting apparatus sample changing mechanism, 25:23782
- OLSON, Robert Elmer Method and apparatus for improving counting statistics in radioactive sampling apparatus, 25:18683
- OLSON, Robert L. Effect of field size on ultraviolet minimal erythema dose, 21:6644
  - Lysosomes and the skin, 21:39486 (ORO-3578-1)
  - Penetration of epidermis by ultraviolet rays, 21:28621
  - Physiological response of human skin to ultraviolet light, 21:39487 (ORO-3578-2)
  - Prog. rpt. on effects of radiation on permeability and enzymes of skin, annual, 7/22/68, 22:49179 (ORO-3578-4)
  - Quantitative studies on erythema, 21:22584
- OLSON, Robert S. Effect of the laser on cellular respiration, 22:43444
  - Enzyme inactivation with ultraviolet laser energy (2650 Angstroms), 25:4461
- OLSON, Ronald E. Ion—ion recombination total cross sections: atomic species, 24:49033
  - Oxygen ion—ion neutralization reaction as related to tropical ultraviolet nightglow, 25:27608
- OLSON, W. H. Asymptotic distribution of eigenvalues of random matrices, 24:50286 (ORNL-4603)
  - Impurities in EBR-II Na and cover-gas, 23:47192 (ANL-7520(Pt.1), pp 222-6)
  - In-line vacuum-distillation sodium sampler, 24:46041
  - In-line vacuum-distillation sodium sampler, 25:44115
  - Sodium sampling and analytical experience at EBR-II, 23:47191 (ANL-7520(Pt.1), pp 213-21)
- OLSON, W. M. Thermodynamics of the plutonium carbides, 21:34957 (LA-DC-8012)
  - Thermodynamics of the plutonium carbides, 22:31508
- OLSON, W. P. Comparison of the predicted and observed magnetic field at ATS 1, 25:7307
  - Contribution of nonionospheric currents to the quiet daily magnetic variations at the Earth's surface, 25:7296
  - Shape of the tilted magnetopause, 24:5081
  - Variations in Earth's surface magnetic field from magnetopause current system, 25:2955
- OLSON, W. R. Enrico Fermi Atomic Power Plant operating experience through 100 Mwt, 22:16182
  - Performance of Enrico Fermi modified steam generators, 25:51025
  - Recent operating experience at Enrico Fermi Atomic Power Plant, 22:18521
- OLSON, Willard O. Space-energy flux synthesis with spatially discontinuous trial functions, 25:41167
- OLSON, Willard Paul Magnetopause surfaces and fields for various inclinations of the Earth's dipole axis to the solar wind, 23:6915
- OLSON, William H. Asymptotic distribution of eigenvalues of random matrices and characterization of Gaussian distribution by rotational invariance, 24:38689 (TID-25455)
- OLSON, William M. Evaporation behavior of substoichiometric $(U,Pu)O_2$, 25:11504
- OLSON, William R. US experience with fast power reactors: Fermi I, 25:51127
- OLSON, Zelma Johnston Investigation of high field superconducting compounds, 21:37350 (UCRL-17550)
  - Investigation of high-field superconducting compounds, 22:26347
- OLSSON, C. N. Commencement times and durations of Jupiter's radio-noise storms, 24:12623
  - Delineation of Jovian decametric sources by millisecond pulses, 21:29148
- OLSSON, C. S. Operating neutron-absorbing rods in reactors, 23:45154
- OLSSON, Curt Sigvard Device for controlling a control rod in a nuclear reactor, 22:20871
  - Device for operating neutron-absorbing rods in nuclear reactors, 22:14366
  - Reactor safety device, 22:39840
- OLSSON, E. Radiation response and sensitization response studies, 21:16396
- OLSSON, G. User's manual for NRN shield design method in FORTRAN IV language, 21:20998 (FFA-673)
- OLSSON, Gustaf Digital simulation of spatial xenon oscillations, 25:10306 (NP-18547)
  - Simplified models of zenon spatial oscillations, 24:52996
  - Spatial xenon instability in thermal reactors, 25:8057 (NP-18548)
- OLSSON, I. U. Low level gamma-counting apparatus, 22:23283
  - Very high ^{14}C activity in Abisko, Sweden during summer, 1965, 22:6494
- OLSSON, Ingrid U. Modern aspects of radiocarbon datings, 23:40867
  - Radiocarbon variations and absolute chronology, 25:21194
  - Radiocarbon variations in the atmosphere, 21:6066
- OLSSON, Jan Corrosion tests of stainless steels in flowing Baltic Sea water, 25:49351 (CONF-710520-1)
- OLSSON, Kare Hydrogen isotope effects in bromination of 2-methyl-1,3,5-triethylbenzene and 2,4-dimethyl-1,3,5-triethylbenzene, 23:45268
- OLSSON, Kj. User's manual for NRN shield design method in FORTRAN IV language, 21:20998 (FFA-673)
- OLSSON, Kurt A. Uptake and distribution of ^{86}Rb and ^{42}K in mice and rats, 24:16966
- OLSSON, M. Asymptotic projections of scattering models, 22:29767
  - Interference of Regge rho exchange with direct channel fermion resonances, 21:5393
  - SU(3) symmetry tests for Regge residues, 21:15394
- OLSSON, M. G. Decoupling of second rho in forward πN scattering, 22:26665
  - Evidence for a Σ^-eta enhancement near threshold, 21:37717
  - Isospin two $\pi\pi$ amplitude, 24:30510 (CONF-690521-, pp 759-64)
  - Low-energy p-wave π—π interaction, 22:3390
  - Low-energy parameters and soft-pion scattering theory, 23:36927
  - Regge parameters from low-energy scattering, 21:37805
  - Single-pion production to remove ambiguities in partially conserved axial-vector current and current-algebra predictions on π—π scattering, 22:29695
  - Superconvergence and Regge poles. I, 22:44433
  - Vacuum exchanges, 22:48317
- OLSSON, Martin G. Asymptotic behavior of meson—baryon scattering amplitude, 22:48324
  - Low energy π—π scattering, 22:24636 (COO-881-87)
- OLSSON, Olle X-ray studies and the biological effects of ionizing radiation, 22:21595
- OLSSON, P. Analytic properties of certain radial matrix elements, 22:34917
  - Numerical calculation of K-shell photoeffect, 23:20668
- OLSSON, P.-I. Energy spectrum of primary cosmic ray He nuclei, 23:42009
- OLSSON, R. G. Pore characteristics of carbons, 25:4856
- OLSSON, Stig Acid-induced aromatic H exchange. X, 25:15610
- OLSSON, T. IFA-30 final report, 25:44207 (KAE-68-46)
  - Irradiation behavior and post-irradiation examination of Swedish test assembly IFA-30, 25:20735 (HPR-127)
- OLSTAD, R. A. Calibration of an infrared pyrometer, 25:3989 (UCRL-19665)
- OLSZEWSKI, J. Ladder representations of U(N,N) algebras, 22:9643
  - Reduced matrix elements of generators of "oscillator-like" ("ladder") representations of U(N,N) algebras in SU(N) basis, 21:29593
- OLSZEWSKI, Jan Algebraic formulations of dynamical theories of the composite systems with mass splitting, 22:20281 (INP-555/PH, pp 141-53)
  - Dynamic groups and infinite multiplets in hadron theory, 24:20201
  - Oscillator-like representations and mass formulas of U(3,3), 21:4101
- OLSZEWSKI, Jerzy Tracers for the detection of brain tumors, 21:22627
- OLSZEWSKI, W. Metabolic and hemodynamic disturbances in the liver subdued to extracorporeal perfusion, 25:8783
- OLSZEWSKI, Wlodzimierz Ehrlich carcinoma cells under the influence of roentgen rays, 22:49191
- OLTE, Andrejs Radiation of magnetic line source excited cylinder through plasma sheath, 21:11627 (NASA-CR-677)
- OLTEANU, M. Tuberous orbital conjunctival angioma of the skin, 23:8035
- OLTEANU, V. Recovery phenomena in yeast. I, 24:34768
  - Recovery phenomena in yeast. II, 25:8797
  - Use of models for evaluation of radioprotective effect of aminothiols, 22:25900
- OLTMAN, B. G. Curium-244 and ^{145}Sm—^{145}Pm x-ray sources, 25:4647 (CONF-700515-, pp 274-9)
  - Curium-244 and ^{145}Sm—^{145}Pm x-ray sources, 25:15835 (ANL-7760(Pt.1), pp 33-5)
  - Ecological dosimetry, 24:31977 (ANL-7489, pp 116-17)
  - Ecological dosimetry: radiation levels influenced by plant growth, 21:18045
  - Effects of fast neutron exposure on ^{7}LiF thermoluminescent response to gamma rays, 21:36405
  - Environmental neutron measurements, 24:27330 (ANL-7615, pp 198-201)
  - Environmental neutron measurements with solid-state track recorders, 24:31714
  - Environmental neutron measurements with solid-state track recorders, 24:41671
  - Environmental neutron measurements with solid state track recorders, 25:44656
  - Linearity of response for LiF at low exposures, 24:31736 (ANL-7489, pp 124-5)
  - Liquid scintillator analysis of neutron spectra, 25:15880 (ANL-7760(Pt.1), pp 67-73)
  - Lithium fluoride thermoluminescent dosimetry for β rays, 21:26240 (CONF-650637-, pp 482-9)
  - Measurements of cosmic-ray neutron background, 22:2425
  - Neutron exposure to astronauts, 24:27580 (ANL-7615, pp 204-6)
  - Neutron exposure to lunar astronauts, 24:9833
  - Nuclear radiation detection for the natural environment, 24:39254
  - Production rates of neutrons in soils due to natural radioactivity, 22:30705
  - Relationship between encapsulation and apparent fast neutron-induced fading in thermoluminescent dosimeters, 25:15947 (ANL-7760(Pt.1), pp 21-7)
  - Relationship between encapsulation and apparent fast neutron-induced fading in TLD, 25:26536
  - Spectral analysis of thermoluminescence glow curves, 23:7845 (CONF-680920-, pp 623-31)
  - Thermoluminescent dosimeters by fast neutrons, 24:27478 (ANL-7615, pp 201-3)
  - Thermoluminescent dosimetry and environmental radiation studies, 21:26212 (ANL-7220, pp 115-19)
  - Thermoluminescent dosimetry of aquatic life in-transitu through a reactor cooling condenser, 25:49018 (ANL-7760(Pt.3), pp 26-9)
  - Thermoluminescent dosimetry of internal beta-ray emitters, 21:26210 (ANL-7220, pp 23-7)
  - Thermoluminescent internal beta-ray dosimetry, 22:31107
  - Ultrasonic excitation of thermoluminescent lithium fluoride, 23:26593
  - Use of sparking techniques to enhance track-etch radiographs, 25:4348
- OLTMAN, Billie G. Passive moisture meter, 25:55061
- OLTMAN, George Dipolar radiative modes of a plasma cylinder, 21:774
- OLTMANN, A. Conceptual designs for Hawaiian irradiator and quarantine demonstration irradiators, 21:34404 (BNL-11512)
  - Food program irradiator support, 23:18172 (CONF-681006-, pp 203-7)
  - Mark II BNL standard Co radiation source, bonded type, 21:10544 (BNL-986)
- OLTRA, F. Dual-purpose nuclear power station for Catalonia, 23:49619
  - Nuclear desalination in Spain, 25:54241 (A/CONF.49/P-733)
- OLUWOLE, Abiodun F. Nuclear spins, $^3P_1$ and $^3P_2$ hyperfine structures, and nuclear moments of ^{69}Ge and ^{71}Ge, and $^3P_2$ hyperfine structure of ^{71}Ge, 24:15819 (UCRL-19338)
  - Nuclear spins, nuclear moments, and hyperfine structure of ^{69}Ge and ^{71}Ge, and $^3P_2$ hyperfine structure of ^{71}Ge, 25:14929
- OLUWOLE, Abiodun Francis Nuclear spins, $^3P_1$ and $^3P_2$ hyperfine structures, and nuclear moments of ^{69}Ge and ^{71}Ge, 25:12487
- OLYMBIOS, E. M. Dielectric and optical absorption measurements on CaF_2 and CaF_2:Y, 21:40094
- OLYMPIA, P. L. Jr. Deuteron quadrupole coupling constants of hydrogen-bonded systems, 24:187
- OLYMPIOS, E. Magnetoresistance in neutron-irradiated aluminum at 4.6°K, 23:42467
- OMAE, Sakae Scinticamera, 24:19221
  - Shimadzu RTGS-2, 24:19136
- OMAE, T. Welding of tantalum and newly developed tantalum-clad steel, 25:35356
- OMALJEV, Veljko Uranium ore contrasts, 25:10484
- O'MALLEY, J. A. X-ray diffraction data on liquid benzene at 25°C, 21:45090 (ORNL-4166)
- O'MALLEY, R. M. Ion cyclotron resonance mass spectrometry, 24:49077
- O'MALLEY, Thomas F. Angular dependence of scattering products in electron—molecule resonant excitation and in dissociative attachment, 23:1188
  - Inverse isotope effect in dissociative attachment of electrons in methane, 22:12297
  - Slow heavy-particle collision theory, 21:43821
  - Some diabatic (quasi-stationary) states of small diatomic systems: projected atomic orbitals, 23:36496
  - Theory of dissociative recombination in vibrationally excited gases, 23:46478
  - Unique definition of the quasi-stationary state for resonant processes, 25:9209
- OMAN, R. A. Calculations of the interactions of diatomic molecules with solid surfaces, 21:29004
- OMAN, Richard A. Numerical experiments on scattering of noble gases from single-crystal silver, 22:34264
  - Scattering cross-section measurements for epithermal Ar on Ag(111) surfaces, 24:37183
- OMAR, A. M. Effect of radioactive cobalt on characters of some wheat varieties, 21:6715
- OMAR, H. M. Fluctuations in ^{24}Mg(d,α)^{22}Na reaction, 23:21326
  - Reactions ^{24}Mg(d,p)^{25}Mg and ^{26}Mg(d,p)^{27}Mg, 25:53687
- OMAR, M. H. Current, voltage, and magnetic field for weakly-connected superconductors, 23:14703
  - Oscillations in voltage between two weakly connected current-carrying superconductors. II, 21:18563
  - Superconducting double-point-contact diode placed in a cavity, 23:14704
- O'MARA, Bernard James Solar abundance of light elements, 22:13706
- O'MARA, R. E. Rare earth nuclides as potential agents for skeletal imaging, 24:14536
- O'MARA, R. L. Hydrogen recycle, 24:46036
- O'MARA, Robert E. ^{18}F uptake within metastatic osteosarcoma of the liver. A case report, 25:44850
  - Comparison of /sup 113m/In and other short-lived agents for cerebral scanning, 24:14541
  - Current status of brain scanning, 25:35177
  - Hepatic scintiscanning, 23:4981
  - Scintiscanning in the diagnosis of rupture of the spleen, 25:13511
  - Xeromammography and film mammography: completion of comparative study, 22:531
- OMAROV, A. K. Phase composition and structure of Ni—Al catalysts, 24:8134
- OMAROV, A. O. Influence of annealing atmosphere and temperature on mechanical properties of Mo wire, 23:46071
- OMAROV, C. C. Angular distribution spectra of γ radiation from behind graphite barrier with source with energy of 4.45 MeV, 22:48420 (RFP-Trans-51)
- OMAROV, K. N. Effects of radiotoxins and γ rays on transport of ions in slices of rat kidney cortex, 25:44946
- OMAROV, M. M. Electronic structure of alloys of Nb—Zr system, 21:20532
- OMAROV, S. S. Angular distribution of γ dose rate behind graphite shielding, 22:22197

Gamma radiation from C, Al, Ti, Nb, and U thick targets in reactions induced by 10.5-MeV protons, 23:36757
Gamma radiation from Li, C, Al, Ni, Cu, Nb, Cd, Ta, and Pb targets bombarded by 21-MeV protons, 23:42381
Gamma radiation from Li, C, Mg, Al, Ni, Zn, Zr, Ag, Ta, Au, and Pb targets bombarded by 42-MeV alpha particles, 23:42380
OMAROV, T. G. Isotopic effects in the structural properties of molecular and ionic crystals, 23:13691 (NP-17609)
O'MARY, C. C. Effects of irradiation, age, season, and color on mineral composition of hereford cattle hair, 23:35900
OMATA, K. Electrical detection system for broad-range magnetic spectrometers, 21:32406
OMATA, Saburo Effect of whole-body x-irradiation on α-glucan phosphorylase activity in livers of intact and adrenalectomized rats, 22:40569
Effect of whole-body x-irradiation on microsomal system in rat liver, 23:41252
Effects of ACTH and whole-body x irradiation on concentrations of enzymes, nicotinamide nucleotides, and cytochromes in rat adrenal, 22:14957
Effects of ACTH and whole-body x-irradiation on the concentrations of enzymes, nicotinamide nucleotides, and cytochromes in rat-adrenal, 23:16231
Effects of radiation on RNA in rat tissues, 23:2786
Effects of whole-body x-irradiation on nuclear RNA polymerase activities, 23:17933
Effects of x-irradiation on incorporation of ^{3}H-orotic acid into nuclear RNA fractions of rat liver, 23:41250
Lipid peroxidation in tissues of x-irradiated rats and effects of adrenalectomy, 23:41253
OMBERG, R. P. Comparison of calculated and experimental worths of large samples in assemblies FTR-1 and 2, 25:18182 (WHAN-SA-12)
TGO, a Linear Programming model for optimizing power transmission grid, 25:57230 (HEDL-TME-71-108)
OMBERG, Ronald P. Application of the stars produced in a nuclear emulsion to the determination of a high neutron energy spectrum, 21:28213 (UCRL-17063)
Effect of condensation in the boundary layer on mass transfer from a rotating disk, 24:18848 (UCRL-18577)
OMBRELLARO, P. A. Synthesis of fast reactor neutron energy spectra, 25:60215
Synthesis of fast reactor space-energy neutron fluxes, 25:31656
Synthesis of fast reactor spectra, 25:5961
O'MEARA, J. Mechanical design features of NAL 200-MeV linac injector, 23:19029 (BNL-50120(Pt.1), pp 30-40)
O'MEARA, J. E. Design of 200-MeV electron—positron storage ring, 21:13749 (CONF-650923-33)
Status of MURA 200-MeV electron—positron storage ring, 21:27464 (CONF-660939-11)
OMELAENKO, A. S. Absolute measurement of the elastic scattering of 100 and 200 MeV electrons on the ^{12}C nucleus, 21:17307
Determination of transition matrix elements of ^{28}Si from experiments on inelastic electron scattering, 22:5805
Effect of form factor F/sub π/ in electroformation of π^{+}-mesons at high energies, 24:20098
Elastic and inelastic high energy electron scattering on nuclei ^{28}Si, 23:8957
Elastic electron scattering on ^{58} ^{60} ^{64}Ni and ^{112} ^{118}Sn isotopes, 24:38186
Elastic scattering of electrons by nickel and tin isotopes, 23:17086
Elastic scattering of electrons with energy 225 MeV on nucleus ^{139}La and nuclear radius, 22:14061
Electron elastic scattering on isotopes ^{58} ^{60} ^{64}Ni, 24:1795
Electron elastic scattering on Ni and Sn isotopes, 23:5849
Electron scattering (225-MeV) from the nuclei ^{89}Y and ^{93}Nb, 21:31766
Meson electroproduction on polarized proton, 24:24303
Pion photo- and electroproduction on proton in the near-threshold region, 25:33618
OMELAYENKO, A. S. Elastic scattering of 225-MeV electrons on the ^{139}La nucleus, 21:38338
OMEL'CHENKO, A. Ya. Absorption of extraordinary wave in region of hybrid resonance of plasma, 23:3509
Characteristics of collisionless damping of electromagnetic wave in a region of intense inhomogeneity of a cold plasma, 24:40132 (KHFTI-69/53)
Characteristics of collisionless damping of electromagnetic wave in a region of intense inhomogeneity of a cold plasma, 25:59081 (AEC-tr-7272)
Collisionless attenuation of electromagnetic waves in regions of strong inhomogeneity of cold plasma, 24:28375
Effect of high-frequency potential on the propagation of fast waves along a magnetoactive plasma layer, 25:52861 (KHFTI-70/57)
Electromagnetic wave absorption and transformation in a resonant layer at oblique incidence on a nonuniform plasma, 22:1243
Nonlinear theory of reflection of electromagnetic waves from plasma, 25:30626
Theory of transformation of surface waves into longitudinal oscillations in surface layer of plasma waveguide, 25:52860 (KHFTI-70/55)
Transformation of electromagnetic waves into longitudinal oscillations in nonhomogeneous plasma in presence of ideally conducting surface, 25:52859 (KHFTI-70/54)
Transformation of surface waves into longitudinal oscillations in cold magnetoactive plasma, 25:25191
OMEL'CHENKO, B. D. Automatic control of stability of heavy-current supplies, 25:50218
Power supply system for the 100-cm liquid hydrogen bubble chamber electromagnet, 25:42143
OMEL'CHENKO, S. I. Accelerated aging of fiberglass plastic, 24:6292
Radiation copolymerization of oligo glycol maleate modified by cyclopentadiene, 23:28877
Radiation cross section of unsaturated oligo esters of urethanes with styrene, 23:33216
Radiation modification of polymers, 23:43371
Radiation technology for studying fiberglass, 25:21012
Radiation technology of manufacturing glass-plastics, 25:23605
OMEL'CHENKO, Yu. A. Certain physico-chemical properties of ZrC—ZrN systems, 22:35826
Constitution diagram for Zr—ZrN—ZrC system, 22:23902
Interaction between niobium carbide and tungsten, 21:14906
Phase diagram of the system Zr—Zr nitride—Zr carbide, 23:8333
OMELIANENKO, M. Fast transistorized time-to-amplitude converter, 24:5889 (IFA-NR-29)
OMELIANOWICZ, Jan X irradiation on the kinetics of human oviducts in vitro, 21:16464
OMELTSCHENKO, Svetlana Ivanovna Radiation copolymerization of unsaturated polyesters with monomers, 22:40599
OMEL'YANENKO, A. A. Efficient separation of neutrons and gamma rays with a stilbene crystal, 25:8525
OMEL'YANENKO, M. Mechanism of ^{239}Pu fission by muons, 23:3997 (JINR-P1-4051)
OMELYANENKO, M. N. Reference signals for scintillation counters, 23:11766
Stabilization system for a multidetector scintillation spectrometer, 23:33480
Stabilization system of time-of-flight spectrometer of nanosecond range, 21:34469 (JINR-P13-3342)
Stabilization systems of spectrometric channels, 21:24193 (JINR-P13-3225)
System for the stabilization of a time-of-flight spectrometer of the nanosecond range, 22:43094
Use of GaAs light sources for calibrating devices with semiconductor nuclear-radiation detectors, 21:6284
OMEL'YANOVSKAYA, N. M. Annealing of defects which arise in germanium during bombardment by argon ions, 25:38564
Secondary emission of InSb single crystals bombarded by Ar ions, 25:1265
Secondary ion—electron emission of Au and Cu during bombardment by Ar ions, 25:49700
OMELYNENKO, M. N. Reference signals for spectrometric scintillation counters based on electroluminescent diodes, 22:2393 (JINR-P13-3523)
OMENETTO, N. Isotopic analysis of uranium. Spectrographic determination of ^{235}U—^{238}U ratios, 22:1982
Some applications of atomic absorption in the analysis of nuclear materials, 21:2988
Uranium hollow cathode lamp as primary source in atomic absorption spectroscopy, 21:42870 (EUR-3558.e)
OMER, G. C. Jr. Radio and optical observations of the Hercules Cluster of galaxies, 22:43848
OMES, S. P. Detecting gas-bearing formations and flooded zones by two neutron gamma logging sondes, 24:310
Interpretation of GGL cementograms for wells in western Predkavkaz'e, 23:47625 (UCRL-Trans-10362)
Procedure of reducing neutron—gamma logging diagrams to unit conditions, 24:306
OMEZ, Dominique Study of radioactive contamination (^{131}I) and its partition among the different parts of two Mediterranean bivalve mollusks, 21:6423
OMHOLT, A. Intensity ratio I(4278)/I(5577) in aurora, 23:3393
Ionization in auroras detected by atomic oxygen and nitrogen lines, 25:5009
Occurrence of auroral pulsations in frequency range 0.01 to 0.1 cps over Tromso, 21:39901
Relation of electron and proton auroral morphology to geomagnetic activity, 25:24990
Relation of low-energy particle precipitation to luminous aurora, 25:27578
Spectroscopy and excitation, 22:34387
OMHOLT, Anders Characteristics of high-frequency auroral pulsations, 22:17523
Conference on atmospheric emissions, As, Norway, 7—8/68, 24:45163
OMI, Mitito Application of radioisotope to prospecting for Matsuiwa, 23:436 (NSJ-tr-123)
OMI, S. Engineering design of an instrumented pilot plant for remote reactions: radiation-induced polymerization, 24:41598
Radiation induced ionic polymerization, 25:57450 (ORO-3667-1)
Radiation-induced solution polymerization of styrene in an engineering flow system, 24:38903
OMIDVAR, K. Behavior of the ionization cross section in collisions of high-energy electrons with hydrogenic atoms, 23:8456
Electron-impact ionization of H(2s) and H(2p), 23:1184
Excitation and ionization of positive He ion by electron impact, 22:41292 (N-68-22388)
Ionizing H-atom—H-atom collisions, 24:37253
Oscillator strengths for resonance lines of ions in the neon isoelectronic sequence, 21:20634
OMIDVAR, Kazem Behavior of the ionization cross section in high-energy electron—hydrogenic atom collision, 23:1158 (N-68-29879)
Bound bound transitions in hydrogen like atoms induced by fast charged particles, 23:48730 (N-69-32038)
Bound—bound transition in hydrogenlike atoms induced by fast charged particles, 24:8355
Ionization of excited atomic hydrogen by fast electrons, 23:27357 (N-69-18056)
Vainshtein method applied to electron impact excitation and ionization of atoms, 21:14985
Vainshtein's method applied to electron impact excitation and ionization of atoms, 21:3636 (N-66-29474)
OMIECZYNSKI, G. Calculation of time-dependent pressure increase in pressure compartments of pressurized-water reactors in presence of a leak in the primary circuit, 24:52889
OMMAYA, Ayub K. Isotope cisternography in the diagnosis and follow-up of cerebrospinal fluid rhinorrhea, 22:49427
OMNES, R. Antimatter in the universe, 25:27426
Coulomb amplitude from S-matrix assumptions, 23:30835
Dynamics of strong interactions and S-matrix, 24:5285
Dynamics of strong interactions, 22:24623 (LPTHE-TH-222)
Effect of annihilation on matter—antimatter separation, 24:26432
Elementary particles in cosmology, 24:51376
Exact determination of Coulomb amplitude by S-matrix methods, 23:36882
Exact determination of the Coulomb amplitude by S-matrix methods, 23:3247 (IPNO/LA-68/19)
Matter—antimatter hydrodynamics, 25:30204
Origin of matter and galaxies, 25:16735
Origins of galaxies, 23:51353
Possibility of matter—antimatter separation at high temperature, 23:34596
Relation between currents and S-matrix, 23:5689 (LPTHE-TH-68/29)
Relativistic aspects of three-body problem, 22:41867 (LPTHE-TH-68/10)
Rising Regge trajectories and crossing symmetry, 23:5688 (LPTHE-TH-68/18(Rev.))
Rising Regge trajectories and crossing symmetry, 23:15287
Rising Regge trajectories and crossing symmetry, 23:21168
S-matrix theory of currents. I, 23:23566
Separation of matter and antimatter at very high temperature, 25:22339
Singularities of Regge pole model at mass zero, 22:13863 (LPTHE-TH-228)
Theory of three-particle form factors, 23:30834
Three body resonances, 23:8798 (IPNO/LA-68/22)
OMNES, R. L. Relativistic aspects of the three-body problem. I and II, 23:32855
Singularities of Regge-pole model at mass zero, 22:26635
OMNES, Roland Introduction to elementary particle study, 25:1433
Scattering approach to the N-body problem, 22:14109
OMNES, Roland L. Regge poles, 21:17186
OMOE, K. Instrument for determining chemical composition of primary cosmic radiation, 24:29524
OMOHUNDRO, John Edward Electrical resistivity and $\beta \rightarrow \alpha$ transformation of La, 21:45932 (IS-T-192)
OMOHUNDRO, R. J. Prototype coincidence neutron counter for international safeguards and arms control applications, 23:47729 (AD-689733)
OMOHUNDRO, Robert J. Coincident neutron equipment, 24:44236 (AD-703616)
OMOJOLA, A. F. Binding energy of the alpha particle, 25:31192
OMOJOLA, D. A. F. Integro-differential euqations for light nuclei, 24:13412
Neutron—alpha scattering, 25:17697
O'MONGAIN, E. P. Correlation between optical and radio emission from extensive air showers, 21:5092
Observations of CP 1133 with a fast night sky Cherenkov detector, 22:52347
OMONT, Alain Systematic study of broadening of magnetic depolarization curves by Holtsmark collisions between isotopes of Hg, 21:46130
OMORI, Norihiko Container for a heat-emitting material, 24:7556
Problems in utilization of oil pressure in nuclear powered ships, 25:51676
OMORI, S. In-pile release of fission gas from graphite, 24:44799
OMORI, Shunzo Ceramic fuels with the use of fission gas release loop. I, 21:27810
Studies on ceramic fuels with the use of fission gas release loop. III, 21:38677
OMORI, T. Chemical behavior of ^{51}Cr in benzene solution, 24:16578
Chemical behavior of ^{60}Co in aqueous solutions of neutron-irradiated Na ethylenediaminetetraacetatocobaltate/III/ tetrahydrate, 25:2297
Chemical behavior of recoil ^{57}Co formed by decay of ^{57}Ni-labelled hexamminenickel(II) complexes, 24:31350
Stability constant of Pa(V)—EDTA complex, 23:15852
OMORI, Takashi Chemical behavior of ^{144}Pr decayed from ^{144}Ce(III)-EDTA complexes, 23:19812
Chemical effects accompanying radiative disintegration, 24:19002
Chemical effects associated with (γ,n) reaction in potassium chromate, 25:29166
Chemical effects associated with β-decay process. IV, 23:26314
Chemical effects associated with the β-decay process. V, 24:44057
Chemical effects caused by nuclear transformation, 24:19000
Chemical effects during nuclear transmutation, 24:19007
Preparation of special radioisotope ^{47}Ca, etc, 24:19004
Preparation of special radiosotope ^{47}Ca, 24:16601
Thermal annealing behavior of recoil ^{57}Co formed by decay of ^{57}Ni-labeled hexamminenickel(II) complexes, 25:54689
OMORI, Yasutami Problems in steam generators for Na-cooled fast breeder reactors, 25:23324
OMORI, Yoshiaki In utero exposure to Hiroshima atomic bomb: evaluation of head size and mental retardation twenty years later, 21:26486
Mental retardation in children exposed in utero to the atomic bombs in Hiroshima and Nagasaki, 22:10809

OMOTE, M. Scale transformations of second kind and Weyl space—time, 25:47911
OMOTE, Minoru Algebra of field in the Stueckelberg formalism, 23:39790
Field current identity and anomalous magnetic moment of the muon, 23:10785
Massless fields with arbitrary spin, 24:1647
OMRAN, Abdel R. Patients treated by x-ray for tinea capitis, 21:22554
OMS, J. Decay ^{109}Cd → ^{109}Ag, 22:30036
Decay ^{95}Zr → ^{95}Nb, 23:13279
Decay by capture ^{153}Gd → ^{153}Eu, 21:27580
Excited levels of ^{155}Gd obtained from ^{155}Eu, 22:14055
Photoelectric effect at 279 keV in Pb, 21:31249
OMS, Jacques Measurement of K internal conversion coefficient of 86.5-keV transition of ^{155}Gd and of K fluorescence yield of Gd, 22:42086
Plural and multiple scattering of electrons, 24:19722
OMUNDSON, Glenn Erwin Radiation-induced dominant lethals and translocations in Drosophila virilis in oxygen atmosphere at 4°C, 22:47526
OMURA, Akio Evaluation of apparent ionium ages of some hermatypic corals, 25:54776
OMURA, Ichiro Mass spectrometer, 24:11863
OMURA, Masayuki Diagnostics of a supersonic plasma stream using an immersed microwave probe, 25:30476 (N-71-10964)
Electrostatic waves in bounded hot plasmas, 22:39109
OMURA, Tatsuro Analysis of JMTR flux variation during operation, 25:3906 (JAERI-Memo-4130)
OM ZAI KHUN Modification of the electromagnetic mass-separator on line with a heavy ion cyclotron, 25:44506 (BMBW-FBK-70-28, pp 59-67)
ONAGA, Y. Desalination in Japan, 23:49613
Nuclear energy costs in Japan, 24:28908
ONAI, Yoshio Calculation of dose distributions in radiation therapy by a digital computer. I, 23:20314
Calculation of dose distributions in radiation therapy by a digital computer. III, 25:46843
Cobalt-60 isodose patterns for eccentric rotation with use of a digital computer, 23:26808
Considerations on methods of constructing isodose curves from minimum experimental data. III, 23:20305
Considerations on methods of constructing isodose curves from minimum experimental data. II, 23:20311
Considerations on methods on constructing isodose curves from minimum experimental data. I, 23:20309
Dose distributions in ^{60}Co planar rotation with center of rotation at center of phantom. IV, 22:47545
Method for translating scintiphotos into color by the application of the Sabattier effect, 22:45303
ONAK, Thomas Nuclear magnetic resonance and microwave spectra of some deuterio derivatives of 2,4-dicarbaclovoheptaborane(7), 21:76
ONAKA, Wayne T. Telemetry system for monitoring gamma radiation in plowshare experiments, 23:40997 (UCRL-50633)
ONAMI, M. New high-temperature and -pressure tensile tester, 24:44215 (UCRL-Trans-10472)
ONCESCU, M. Active γ fission products in sea plankton, 21:39419
Calibration of a $4\pi\gamma$ ionization chamber, 23:19966
Determination of the underground waters flowing direction by the single well method, 21:32265 (IFA-MR-27)
Field determination of soil permeability by the nuclear methods, 23:450
Geological age determination by the method of fission fragments tracks, 25:21183
Movement of sand in the Gulf of Eforia by the method of radioactive tracers, 23:28995 (IFA-MR-31)
Possible determination of the level of a liquid by the γ-ray scattering method, 21:30734
ONCESCU, T. Radiolysis of complex oxalates in aqueous solutions. I, 22:12354
ONDA, Kazuo Design of MHD power generating action in MHD plant, 22:47876
ONDERDELINDEN, D. Argon L-shell and Ne K-shell x-ray emission in heavy ion—atom collisions, 25:14004
Collisions of Ar^+ ions with Cu atoms, 24:3172
Energy spectra of electrons from heavy-particle collisions, 24:25996
Gallium implantations in Si studied by proton backscattering, x-ray emission, and Hall effect, 25:19802
Influence of planar channelling on single-crystal sputtering, 24:42511
Interaction of heavy particles with metal surfaces, 23:36089
Molecular beam apparatus for 0 to 50 eV region, 21:29008
Single-crystal sputtering including channeling, 22:26231
Some physical aspects of sputtering, 21:2055
ONDERDELINDEN, Dirk Sputtering of f.c.c. metals, 23:33950 (NP-17941)
ONDERLICKA, B. Outburst of Nova Delphini 1967. I, 22:26116
ONDIS, L. A. Direct Monte Carlo computation of extrapolation lengths, 22:5730
ONDOH, Tadanori Analysis of topside ionospheric data from Alouette II over Japan. I, 22:52664
Electron density profiles for quiet and disturbed topside ionosphere at high latitudes, 25:30359
Intensity decrease of vlf hiss associated with sc of 9/3/66, 22:24143
Method for estimating an enhanced ionization in lower ionosphere, 21:15029
Structure of topside ionosphere, 23:44319
Structure of topside ionosphere over Japan, 23:46369
ONDRACEK, G. Bibliography of uranium aluminides, 1948—69, 24:4769 (NP-18063)
Dispersion fuel for high-flux reactors (UAl_3—Al), 25:8846 (KFK-1252)
Electrical conductivity of cermets, 25:45608
Investigations on stable and unstable dispersions of uranium compounds and metals, 24:27843
Measurement of the thermal conductivity of cermets with the radial flux method, 24:34944 (BMBW-FBK-70-1, pp 136-44b)
Picture analysis with Quantimet, 23:47875 (KFK-845)
Powder metallurgical production of UO_2—PuO_2 steel pellets, 25:29931
Properties of UO_2—/PuO_2—stainless steel-cermets, 25:38010
Relations between stereometric microstructure and properties of cermets and porous materials, 25:8944 (KFK-1236)
Relations between stereometric microstructure and properties of cermets and porous materials, 25:55628
System uranium dioxide—copper, 23:12403
Technology of UAl_3—Al irradiation test plates, 21:41543 (KFK-585)
Technology of UAl_3—Al irradiation test plates, 22:6955
Thermal conductivity of cermets, 24:17367
Thermal expansion of cermets, 24:34947 (BMBW-FBK-70-1, pp 631-41)
Thermochemical and technological investigations on the uranium mononitride—carbon system, 22:17140
Unstable cermet combination of U_3O_8 and aluminium. I, 23:8308
Unstable cermet combination U_3O_8 and Al. II, 23:20552
ONDRACEK, Gerhard Changes in the surface region of metallographically prepared specimens, 23:6720
Preparation and hot-pressing behavior of uranium mononitride, 23:18258 (ORNL-tr-2098)
Quantitative structure analysis, 24:12422
ONDREICKA, R. Uv irradiation and fat metabolism in guinea pigs, 23:31653
ONDREJ, M. Brood pattern of crossovers in Drosophila males, 25:4481
ONDREJCIN, R. S. Hot-salt stress corrosion cracking of titanium alloys, 23:14295 (DP-MS-67-119)
Mechanism for stress corrosion cracking of stainless steel in reactor systems, 24:25639 (DP-1089)
Role of hydrogen chloride in hot-salt stress corrosion cracking of titanium—aluminum alloys, 22:19474 (DP(NASA)-1130)
Role of moisture and hydrogen in hot-salt cracking of titanium alloys, 23:36010
ONDREJCIN, Robert S. Chlorine gas and fluoride ion in hot-salt stress corrosion cracking of titanium—aluminum alloys, 24:29910 (DP(NASA)-1179)
Metallurgical investigation of aluminum-clad cadmium control rods, 21:44826 (DP-1101)
Silicates as inhibitors of Al corrosion in Savannah River reactors, 24:12354 (DP-1197)
ONDREJICKA, M. Iodine-131 conversion ratio and protein-bound I in atherosclerosis, 22:43267
Radioiodine conversion ratio and protein-bound I in atherosclerosis, 23:38446
ONDRICK, C. W. Engel model as a simulator of exploration programs, 24:29397 (GJO-918-1)
ONDRICKA, K. Intercomparison measurements of SKODA and INR calorimeters on EWA-10 reactor, 25:57875 (INR-1319)
ONDRIS, L. Equipment for measuring the hf structure of high-energy nuclear particles beam, 22:22514
Fast timing circuit using charge storage diode, 24:29608
ONDRIS, Lubomir Fast electronic modules for nuclear physics experiments, 25:57786
Pulsed operation of an analyzer of the high-frequency structure of a beam of high-energy nuclear particles, 22:22513
Shaping and timing circuits, 23:40986 (EUR-4289, pp 93-4)
ONDRISH, L. Linear gates of the nanosecond range, 25:49044
Pulse shaper triggering from fixed part of the pulse amplitude of the photomultiplier, 24:33868 (JINR-P13-5065)
Pulse shaper with the zero time of regeneration for the apparatus blocking at the large loading, 25:8545 (JINR-P13-5377)
Time-coordinate compensator for the time spectrometers with long scintillators, 25:10813 (JINR-P13-5378)
ONDRUSZ, Ewa Silicon nuclear particle detectors produced by ion-implantation techniques, 25:15888
ONEA, O. Effect of gamma irradiations on development of chick embryos. II, 24:51037
Influence of gamma irradiations on development of chick embryos. I, 24:46661
O'NEAL, J. E. Epitaxy of vanadium on sapphire, 25:55530
Hetero-epitaxial films of niobium on sapphire, 25:55531
O'NEAL, John R. Prog. rpt. on material development, final, 3/63—3/65, 21:5021 (SCL-CR-66-91)
O'NEAL, John S. Reaction $K^-n \rightarrow \Lambda\pi^-$ at 3.9 and 3.6 GeV/c, 24:5254
O'NEAL, John T. Cerebrospinal fluid circulation following subarachnoid hemorrhage, 25:21760
O'NEAL, T. M. Transition of the dispersion roots from beam-type to Landau-type solutions, 22:41596
O'NEAL, T. N. Low-temperature annealing spectrum of magnesium following electron irradiation, 22:26067
Low-temperature recovery of 0.40-MeV electron-irradiated aluminum, 22:50226
Measurements of the electron-irradiation damage rates in magnesium, 23:44513
O'NEALL, J. S. Coherent production of the $p\pi^+\pi^-$ enhancement at 1470 Mev by 28-GeV/c protons on neon, 22:41729 (BNL-12674)
Coherent production of the $p\pi^+\pi^-$ enhancement at 1470 MeV by 28 GeV/c protons on neon, 23:10749
Nonimpulse events in reactions $K^-d \rightarrow \Lambda\pi p$ and $\Lambda\pi\pi N$ at 670 to 925 MeV/c, 25:22701
O'NEALL, John S. A_2 meson production from K^-n interactions at 3.9 GeV/c, 23:32630
Further evidence for $Y_1^*(1616)$ from 3.9 GeV/c K^-n interactions, 23:32621 (BNL-13681)
Is there an eta(550)π resonance at 980 MeV, 23:32629
Isospin-$^1/_2$ $K\pi$ enhancement at a mass of 1160 MeV, 23:16937
Search for I = 3/2 Ξ resonances in K^-n interactions, 22:52936 (BNL-12864)
Study of two-body final states in K^-N interactions from 1600 to 1720 MeV/c, 22:29640
Xi* resonance in K^-n interactions at 3.6 and 3.9 GeV/c, 24:28495
ONEDA, S. Asymptotic SU(2) symmetry. I, 24:40440
Asymptotic SU(3) and SU(2) symmetries, 25:17544
Asymptotic SU(3) symmetry and baryon couplings, 24:45571
Asymptotic symmetries and hadron system, 24:45491 (IC-70/76)
Asymptotic symmetry, particle mixing, and K/sub l3/-decay branching ratios, 24:37836
Baryon mass spectra and baryon couplings, 24:28538
Boson spectra, F/sub K/F/sub π/, and sum rules, 24:8609
Calculation of low-energy S-wave pion—pion interaction from K/sub 34/ decay using charge commutation relations, 22:15781
Current algebra, infinite momentum, and sum rules, 23:23514
Current—current picture, factorization in S-wave tau decay, and nature of the ΔT absolute value = 1/2 rule, 21:25269
Derivation of intermultiplet mass formulas from the chiral SU(3) x SU(3) charge algebra, 23:3785
Determination of mixing angle between kaons with J/sup P/ = 1^+, 23:10811
Intermultiplet mass formulas for octet bosons and splitting of K^{**}(1420), 23:25618
$K_2^0 \rightarrow \pi^0 + 2\gamma$ decay, 21:37768
K/sub l3/ decay form factors and the current algebra, 22:34935
K/sub l3/-decay form factors and asymptotic SU(3) symmetry, 25:38695
Models of eta^0 → $\pi^0 + 2\gamma$ decay, 21:42312
Partially conserved axial-vector current, charge commutators, off-mass-shell correction, and the broken SU(3) symmetry, 21:37897
Resonance saturation of axial charge commutators, SU(3) symmetry, and scalar mesons, 21:37787
Some remarks on the (3,3*) x (3*,3) breaking of chiral symmetry, 25:47929
Structure of the K → π vertex and nonleptonic K-meson processes in the pole model, 21:25270
SU(3) symmetry breaking and the Cabibbo angle, 23:23520
Sum rules from charge—charge—density and charge—charge commutators, 22:44416
Sum rules involving the rho and A_1 mesons and the A_1 → rho + π decay, 23:3714
Two-photon decays of π^0, eta^0, and eta$'^0$(958) in broken SU(3) symmetry, 24:13004
ONEGA, R. J. Delayed-neutron half-lives for ^{233}U, ^{235}U, and ^{239}Pu, 23:37231
Measurement of short-lived delayed photoneutrons from fission-fragment gamma rays of ^{235}U in heavy water, 22:24824
Spin and parity in ^{77}As, 25:53686
ONEGA, Ronald J. Decay scheme of ^{87}Kr, 24:5413
Radioactivity calculations, 24:8953
Reformulation of the reactor kinetics equations, 25:20828
O'NEIL, E. J. Saxton overpower test, 24:7021
O'NEIL, J. A. Closed-cycle refrigerators for hydrogen targets, 24:5121
O'NEIL, James R. Hydrogen and oxygen isotope fractionation between ice and water, 23:408
Oxygen isotope fractionation in divalent metal carbonates, 24:9441
Oxygen isotope partition function ratio of water, 23:33171
Uranium and lead isotopic stability in a metamict zircon under experimental hydrothermal conditions, 21:6027
Water, H, Deuterium, C, and ^{18}O content of selected lunar material, 24:20709
O'NEIL, P. C. Remote measurement of displacement by use of a γ-ray source, 23:14071
O'NEIL, R. A. Proton states in ^{173}Lu, ^{175}Lu, and ^{177}Lu, 25:43942
Reaction (^{3}He,α) on Yb isotopes, 25:15057
O'NEIL, Robert Fluorescence of air and nitrogen excited by energetic electrons, 23:18505 (AD-673995)
Improvements relating to pressurized vapor generators, 21:43124
O'NEIL, T. M. Measurement of velocity space diffusion using the plasma wave echo, 23:39471
Nonlinear development of the beam—plasma instability, 24:42690
Nonlinear effects of large-amplitude plasma waves, 22:41597
Nonlinear instability, 21:29296
Nonlinear interaction of a small cold beam and a plasma, 25:33274
Observation of plasma wave echoes, 22:31845
Perturbation in the electron velocity distribution, 23:32522
Plasma wave echo experiment, 22:9319
Plasma wave echo, 21:35187
Similarity arguments for high-field electrical conductivity in a plasma, 24:51674
Temporal and spatial plasma wave echoes, 22:13478
O'NEIL, Thomas Plasma expansion in a magnetic field, 21:7183
O'NEIL, Thomas M. Effect of Coulomb collisions and microturbulence on plasma wave echo, 23:1479
O'NEILL, B. C. Electron detachment in oxygen, 25:24883
O'NEILL, B. J. Isotopic dilution method for measuring serum vitamin B_{12}, 24:48363
O'NEILL, G. F. Lattice experiments with simulated burned-up fuel for D_2O power reactors, 22:25082 (DP-1122)

  - Measurements on lattices of UO_2—PuO_2 rod clusters in D_2O with D_2O, air, and organic coolants, 22:33027
  - Zero power experiments with ^{233}U-enriched thoria and thorium metal lattices for HWOCR, 22:20807 (DP-1125)
- O'NEILL, G. K. Beam instabilities in the Princeton—Stanford storage rings, 21:29746
  - Boson production at ADONE using magnetic analysis, 23:32600 (LNF-69/6)
  - Charge-exchange scattering of K^+ mesons from Be at 0.97 GeV/c, 22:50308
  - Effects of crossing angle on interaction rate of colliding beams, 22:32260 (CEAL-2000, pp 144-7)
  - Experimentation with magnetic fields at Adone, 21:31668 (SLAC-Trans-66)
  - Functioning of 500-MeV electron—electron storage ring, 22:11807
  - Magnetic analyzer to be used for Adone colliding beam experiments, 23:25727 (LNF-69/2)
  - Magnetic detectors for electron and positron beam collisions, 22:11823
  - Magnetic detectors for electron—positron colliding beams, 21:16126 (CONF-660918-, pp 215-19)
  - Measurement of the branching ratios of K/sub μ2/$^+$, K/sub π2/$^+$, K/sub e3/$^+$, and K/sub μ3/$^+$, 21:25228
  - Measurement of the K/sub e2/$^+$ branching ratio, 21:18888
  - Modification of the Princeton-Stanford storage rings, 21:2537 (AD-634717)
  - Proposal for e^+e^- elastic scattering experiment with charge recognition to be performed at Adone, 22:48205 (ISS-68/20)
  - Search for the process $e^- + e^- \to \mu^- + \mu^-$, 23:23407
  - Study of K^0 meson decays by colliding beams, 22:52924 (LNF-68/43)
  - Test of quantum electrodynamics by electron—electron scattering, 25:38702
  - Wide angle electron—electron scattering on the Princeton—Stanford storage rings, 21:29427
- O'NEILL, G. L. Behavior of Pu recycle fuel in a SPERT power transient, 25:5996
  - Contribution of EVESR operation to fast steam cooled reactor development, 22:16184
  - EVESR power distribution and thermal—hydraulic analysis, 22:1792
  - Plutonium homogeneity in thermal recycle fuels, 25:4874
  - Plutonium utilization in boiling water reactors, Phase II semiannual report, January—June 1970, 25:23285 (NEDC-12152)
  - Prog. rpt. on Pu utilization in boiling water reactors, Phase II, annual, 1969, 25:15365 (NEDC-12111)
  - Safety and economic characteristics of 1000 MWe fast Na-cooled reactor design, 21:27673 (GEAP-4939)
  - Safety and economic characteristics of a 1000-MWe fast sodium-cooled reactor design, 22:20851
- O'NEILL, Gerard K. Particle storage rings, 21:5443
- O'NEILL, J. B. Magnetic and mechanical hardness of $SmCo_5$ and $LaCo_5$, 25:29845
- O'NEILL, J. J. Jr. R-F sputtering processes, 22:43551
- O'NEILL, J. S. Properties of BeO containing up to 15 wt percent SiC and up to 2 wt percent MgO, 21:20566
  - Some effects of powder characteristics on densification and microstructure, 23:1044
  - Strength and elastic modulus relationships in BeO—SiC bodies, 24:27832
- O'NEILL, John Sidney Improvements in or relating to sintered bodies, 21:28822
  - Refractory oxides doped with silicon carbide and silicon nitride, 22:23880
- O'NEILL, L. H. Measurements of K/sub L/^{0} and neutron total cross sections, 24:30466
  - Properties of a NaI(Tl) total absorption spectrometer for electrons and γ-rays at GeV energies, 24:39338
- O'NEILL, M. E. Electrohydrodynamic instability in plane layers of fluid, 24:26049
  - Electrohydrodynamic instability of a cylindrical viscous jet, 23:46347
  - Source parameters of Salmon and Sterling nuclear explosions, 25:34764
- O'NEILL, P. C. Some uses of radioactive isotopes in measurements on turbines, 25:57663
- O'NEILL, R. Progress on Polly at Glasgow, 25:13255 (CERN-70-21(Vol.1), pp 357-70)
- O'NEILL, R. V. Bibliography of mathematical modeling in ecology, 25:2025 (ORNL-IBP-70-3)
  - Engineering, economic, and safety evaluation, 24:39175 (ORNL-4446, pp 17-22)
  - Error analysis of ecological models, 25:57947 (CONF-710501-35)
  - Systems ecology, 24:39466 (ORNL-4446, pp 153-62)
- O'NEILL, Robert V. Ecology and resource economics: integration and application of theory to environmental dilemmas, 25:18287 (ORNL-4641)
  - Examples of ecological transfer matrices, 25:39388 (ORNL-IBP-71-3)
  - Introduction to the numerical solution of differential equations in ecosystem models, 25:18289 (ORNL-IBP-70-4)
- O'NEILL, Sheila Strontium-90 content of deciduous teeth of children, 21:10889
- O'NEILL, T. Obtaining semipermeable membranes with remarkable properties by radiochemical grafting of polytetrafluoroethylene films, 22:40146
- ONESCU, M. Determination of geologic age by the fission-track method, 25:21182
- ONG, A. Sy Effect of trapping on the release of recoil injected gases from solids, 25:6859
  - Surface effects on the diffusion release rate of rare gases, 25:25213
- ONG, Andres Sy Prog. rpt. on diffusion in solids, annual, 11/69—10/70, 25:5152 (ORO-3508-6)
  - Prog. rpt. on diffusion of gases in solids, annual, 11/68—10/69, 24:10160 (ORO-3508-5)
- ONG, Andres Sy. Diffusion of ^{133}Xe in cesium iodide and calcium fluoride single crystals, 25:55633
- ONG, Ching Ching Organic oxalates. IV. Pyrolysis of diallyl, disubstituted-allyl, and related oxalates, 25:10526
- ONG, Kwok Maw Inelastic effects in P_{11}-state πN scattering, 23:3734
  - Investigation of the rho rootstrap and the determinantal approximation, 22:26639
  - Proton—proton scattering amplitude, 24:3697
  - Rho-bootstrap and pion—nucleon scattering in optimal determinantal approximation, 23:32726
- ONG, L. D. Y. Error analysis of a safeguards measurement system, 24:449
  - Needed improvements in SNM accounting and measurement systems for safeguards, 25:48792 (CONF-710617-23)
  - SNM measurement errors based on safeguards inventory verification duplicate samples, 25:32171 (CONF-700541-, pp 177-89)
  - US safeguards experience in regulation and inspection of the private nuclear industry, 25:21316
- ONG, P. P. Drift measurements of ion—molecule reactions, 23:12562
  - Energy dependence of reactions O^+ with N_2 and O_2. I, 22:9022
  - Energy dependence of reactions of O^+ with N_2, O_2. I, 21:39834
  - Ion—atom interchange studies, 22:29292
- ONG, R. S. B. Effect of impurity ions on the stability of drift waves, 25:56243
  - Effect of velocity space diffusion on the universal instability in a plasma, 25:19719
  - Effect of weak collisions on ion—acoustic wave instabilities, 24:19928
  - On the ac electrical conductivity of a Lorentz gas, 23:12806
  - Propagation of ionization waves, 24:28344
  - Relaxation to equilibrium of a dilute electron plasma, 21:18683
  - Simple waves in collisionless interplanetary plasma governed by Chew—Goldberger—Low, 25:47579 (AD-717186)
  - Structure and propagation of ionizing wave fronts, 23:12913
  - Test-particle relaxation in electron gas described by Fokker—Planck kinetic equation, 21:29281
- ONG, S. G. Breakdown of DNA following exposure to cosmic radiation, 22:14951
- ONGARBAEV, S. O. Phase composition and structure of Ni—Al catalysts, 24:8134
- ONGARO, D. Excretion of radioisotopes, 22:456
  - Research on the alimentary utilization of radiocontaminated milk, 22:45538
  - Strontium-90/Ca and ^{137}Cs/K in diet and passage through human milk, 25:26581
- ONGARO, Roger Space charges in irradiated insulators, 21:3366
  - Space charges in irradiated insulators, 21:10720
- ONGE, R. N. St. Simple high resolution pulse shape discriminator, 23:17778
- ONGLEY, Patrick A. Angiocardiographic and anatomic findings in origin of both great arteries from the right ventricle, 24:29818
- ONGMAN, H. D. Prog. rpt. on nuclear superheat project, 5—7/65, 21:12141 (GEAP-4932)
  - Prog. rpt. on nuclear superheat project, final, 7/59—9/65, 21:12142 (GEAP-5087)
- ONG OEI, L. Prophylaxis and treatment of irradiation complications, 24:7938
- ONGRE, Aksel A. Pericardial absorption of thorium dioxide in rats. II, 22:51318
- ONICESCU, Octav Matter and expansion of the Universe, 23:20651
- O'NIELL, Timothy J. Avian thyroid destruction by radioiodine, 23:22416
- ONIMARU, Kimiharu Mechanisms of mutation induction by mitomycin-C in the silkworm, 23:43738
  - Modification of γ-ray-induced mutation frequencies in the silkworm by post-treatment of spermatids and spermatozoa with nitrogen gas, 23:43737
  - Mutants induced by ionizing radiations in male silkworm, 23:31717
  - Repair of radiation-induced premutational damages revealed by fractionated irradiation of silkworm spermatids, 23:43736
- ONIMUS, J. P. Hole and negative-parity states in asymmetric-core collective model for odd-A nuclei in 2s—1d shell, 24:30933
- ONISCHENKO, L. M. External injection and acceleration of the beam to the final radius in the electron model of the ring cyclotron with strong focusing, 25:20130 (JINR-P9-5453)
  - Load stabilizer for heavy-current accelerators, 22:32331 (CEAL-2000, pp A83-4)
  - Rf system of the monoenergetic cyclotron, 25:31128
- ONISHCHENKO, I. N. Excitation of ionic—acoustic waves in nonisothermal plasma under skin-effect conditions, 23:51728
  - Interaction of moving plasma with an oblique magnetic field, 23:8599 (NP-17664)
  - Interaction of moving plasma with an oblique magnetic field, 24:10534 (AEC-tr-7113)
  - Kinetic theory of electromagnetic waves in a layered plasma medium placed in a magnetic field, 21:35172
  - Kinetic theory of electromagnetic waves in a layered plasma medium, 22:5352
  - Motion of plasmoid in a curved magnetic field, 21:29252
  - Motion of the fast plasmoids in a magnetic field of toroidal solenoid, 21:3824
  - Nonlinear theory of excitation of plasma wave by electron beam, 25:14311
  - Nonlinear theory of interaction of relativistic and nonrelativistic beams with plasma, 25:38429 (CONF-710607-61)
  - Penetration of longitudinal electric field into plasma, 22:50163
  - Reflection of electromagnetic wave from plasma in inclined incidence. I, 22:50162
  - Reflection of electromagnetic wave from plasma at inclined incidence, 23:44480
  - Wave transformation on the boundary of the plasma, 24:49221
- ONISHCHENKO, L. M. Coherent frequencies of transverse oscillations in the electron model of a ring cyclotron, 25:31038 (JINR-P9-5677)
  - Measurement of the accelerated beam phase in the electron model of the ring cyclotron, 25:53412 (JINR-P9-5873)
  - Vertical motion in central region of relativistic cyclotron, 21:7587 (JINR-P9-3017-1)
- ONISHCHENKO, L. V. Radio emission of normal galaxies at 8 cm, 22:7100
- ONISHCHENKO, T. A. Radiolysis of alkanesulfonylchlorides in the process of radiation sulfochlorination of paraffin hydrocarbons, 23:4681
- ONISHCHENKO, V. M. High-power pulse generators in four-layer devices of the PNPN type, 22:36150
- ONISHCHENKO, V. S. Effect of friction in vacuum on bombarding polyethylene with fast atoms and molecules, 24:19526
- ONISHCHUK, V. A. Possible effect of weak interaction on molecular level structure, 21:31198 (JINR-P4-3299)
  - Resonance light scattering by diatomic molecules in external fields, 21:599 (JINR-P-2897)
- ONISHENKO, I. N. Kinetic theory of electromagnetic wave propagation through a magnetoactive plasma layer, 21:20947
- ONISHI, H. Calcium sulfate activated by thulium or dysprosium for thermoluminescence dosimetry, 25:44700
  - Calcium sulfate phosphor activated by rare earth, 23:7803 (CONF-680920-, pp 4-17)
- ONISHI, Hiroshi Composition of Ce TTA complexes and oxidation of Ce(III) ion, 21:1254 (ORNL-tr-1385)
  - Composition of U(VI and IV)—Arsenazo III complexes, 23:24168
  - Determination of traces of U in Zr and Zircaloy, 23:49699
  - Determination of U(VI) with Arsenazo III, 23:33142
  - Improved number conserving treatment for a nuclear pairing model, 21:35529
  - Separation of microgram quantities of Th and U by TTA extraction, 24:26979
  - Spectrophotometric determination of boron in U_3O_8, 23:15796
  - Spectrophotometric determination of boron in U_3O_8 with Methylene Blue, 23:19622
  - Spectrophotometric determination of tantalum with methylene blue, 25:12947
  - Spectrophotometric determination of traces of uranium in sodium, 25:26152 (JAERI-Memo-4267)
- ONISHI, Masanori Density measurements of laser-produced plasma, 22:41558
- ONISHI, N. Tetrahedral deformation in nucleus ^{14}O, 25:25648
- ONISHI, Naoki Hartree—Bogolyubov theory with projection method, 22:50680
  - Neutron—proton interaction in odd—odd deformed nuclei, 25:28514
  - Rotational spectra of the ground-state bands of even nuclei, 24:52728
- ONISHI, Noboru Environmental contamination by U. I, 23:41311
- ONISHI, Nobuaki Study on JRR-4 delayed neutron-type fuel failure detector, 25:57119 (JAERI-Memo-4157, pp 51-65)
- ONISHI, Ryoichi 400 channel pulse height analyzers, 22:51283
- ONISHI, Shigeyuki Serologic response of atomic bomb survivors following Asian influenza vaccination, 21:12926
- ONISHI, Sotoaki Construction of Tsuruga atomic power station, 24:47698
  - Design of intake opening for withdrawal of stratified fluid, 24:9573
  - Seawater intake and release facilities for JAPC Tokai Power Station, 24:2356
- ONISHI, Syunji Radiation after-bridging of molded polystyrene, 24:13983
- ONISHI, Tadatoshi Fabrication techniques and quality of Zircaloy cladding tubes, 25:22039
  - Inspection and test of Zircaloy cladding tubes, 25:21262
  - Steel tubes for steam generator of fast breeder reactor, 23:10214
- ONISHI, Takaharu Activation of molecular H over negative ions of metal-tetraphenylporphin films, 24:29243
  - Behavior of hydrogen chemisorbed over the electron donor—acceptor complexes of aromatic hydrocarbons with sodium in the hydrogen exchange and hydrogenation reactions, 22:42679
  - Mechanism of H_2—D_2 exchange over ZnO, 24:29282
  - Reactivity of electron donor-acceptor complexes. VII, 21:27950
- ONISHI, Takeshi Nuclear accidents in nuclear installations, 25:8661 (JAERI-4052)
  - Radiation control methods at Plutonium Laboratory in JAERI, 22:36268
- ONISHI, Toshitada Instabilities by the flux jumps in superconductors, 25:17091
- ONISKO, A. D. Cherenkov threshold counters with a thin radiator, 23:45527
- ONKELINX, C. Radial diffusion and power function retention of alkaline earth radioisotopes in adult bone, 22:30991
- ONLEY, D. S. Compressional-mode oscillations in a nucleus, 24:52658
  - Computer program for analysis of inelastic electron scattering from nuclei, 22:16066
  - Corrections to electron scattering, 22:27237
  - Corrections to high-energy electron-nucleus scattering, 22:50689
  - Dynamic collective model of photofission, 25:15198

Electrofission of ^{238}U, 23:15466
Matrix elements of relativistic electrons in a Coulomb field, 24:42505
ONN, D. G. Role of electron bubbles on laser-induced breakdown in liquid ^{4}He, 24:28201
ONN, David G. Attenuation and lifetime of hot electrons injected into liquid helium, 23:34260
Injection and thermalization of hot electrons in He at low temperatures, 25:24848
ONN, T. Chemical composition of mutants of S. typhimurium, 22:51508
ONNASCH, D. Current saturation in irradiated synthetic fused silica, 24:26307
Gamma-ray-induced electric conductivity of fused silica, 24:26306
ONNASCH, Dietrich Supralinear current-voltage-dependence in irradiated fused silica, 23:42429
ONNERMARK, B. Transmission capability for white painted and uncoated window pane glass of heat radiation from nuclear explosions, 24:20942 (FOA-4-4368)
ONNIS, A. Pelvic angio-scintigraphy through endoarterial infusion of MAA—^{131}I in diagnosis of female genital cancers, 24:23265
Therapeutical possibilities of the isotopic lymphography in the female genital carcinoma, 23:16342
ONO, Akinari Images of thorium atoms in transmission electron microscopy, 25:45609
ONO, Akira Development of a magnetic jack type control rod drive mechanism for power reactors, 21:23668
ONO, Futaba Heat capacity of uranium monosulfide from 300° to 600°K, 24:43997
ONO, G. Y. Summary of the SNAP Mercury Rankine system status, 22:7884
ONO, Hiroaki Reductive perturbation method in nonlinear wave propagation. II, 22:29512
ONO, Hirobumi Separation of rare earth elements, 23:49899
ONO, Hironori Measurement of the densities of coal piles with gamma-rays, 21:1661
ONO, Howard Enzymatic repair of deoxyribonucleic acid. IV. Mechanism of photoproduct excision, 25:57928
ONO, Ikuo Theory of critical magnetic scattering of neutrons by ferromagnet and antiferromagnet, 21:7645
ONO, Joji Cleavage of DNA of bacteriophage irradiated with uv, 22:12806
Ultraviolet reactivation of a bacteriophage, 21:13082
ONO, K. Elastic scattering of 55-MeV protons from heavy nuclei, 21:15598
Micrographic structure and the oxidation behavior of black zirconia, 21:32998
Moessbauer study of $FeCl_2 \cdot 4H_2O$ in the temperature range 4.2° to 0.025°K, 22:17767
Oxidation kinetics of zirconium, 23:50990
Strain hardening equations and uniform strain, 25:37245 (UCLA-34-P-177-5)
Studies on structural anomalies in patients with congenital metal deficiency, 24:32261
ONO, Kanji Effect of electron irradiation on plasticity of metallic single crystals, 22:15224 (COO-1367-16)
Electron irradiation hardening of Al—1 at. percent Zn single crystals, 22:719
Electron irradiation hardening, 21:20539 (COO-1367-8)
Electron irradiation hardening, 22:17824
Electron irradiation strengthening in metals and alloys, 23:34048
Work-hardening behavior of irradiated aluminum, 23:34029
ONO, Kazuo Congenital minor anomalies in mentally retarded children, 23:48253
Demagnetization cryostat for Moessbauer effect experiments, 21:33298
Improved demagnetization cryostat for Moessbauer effect experiments, 22:11496
ONO, Keiji Effects of radiation on transplanted rat heart, 23:29398
ONO, Ken-ichi Every elementary particle has its four kinds of isobars, 22:50312
ONO, Kenji Effect of thickness and surface defects on test results of fuel cladding tubes, 22:33618
ONO, Kohei Tumors produced by Shope fibroma virus in irradiated rabbits, 23:38787
Virus—host cell interaction in rabbit fibrosarcoma produced by Shope fibroma virus, 21:41520
ONO, Koichi Steady-state differential calorimeter for reactor radiation dosimetry, 25:21457
ONO, M. Arrangement of slits for fast chopper, 24:29556
ONO, Masao Technique of obtaining isodose curve from film dosimetry, 25:24170
ONO, Masayoshi Method for producing ammonium uranate, 23:4597
Neutron fluxes in multi-layer medium, 23:47275
ONO, Michizane Internal contamination of cyclotron workers, 24:2682
Radiation leakage from electron microscopes, 24:21192
Some considerations of safety handling of x-ray diffraction apparatus, 22:19226
ONO, R. Spontaneous fission of ^{238}U, 21:38329
ONO, Reiko Complexes of americium and Cm with oxine, cupferron, and N-benzoylphenylhydroxylamine, 22:33332
Isolation of ^{233}U from irradiated ThO_2, 22:23112
ONO, Ryoichi New range measurement of swift electrons without bremsstrahlung effect, 24:32614
ONO, Seiroku Radiation breeding in genus Mentha. VI, 25:21961
Radiation breeding in genus Mentha. VII, 25:21959
Radiation breeding in the genus Mentha. V. Mutations of Mentha induced by x-rays, 25:24461
Radiation breeding in the genus Mentha. VIII, 25:47039
ONO, Shoichi Measurement on the propagation constants of a slow wave in a plasma filled cylindrical waveguide with an axial magnetic field, 22:39077 (REIC-TR-18).
ONO, Shusuke Trigonal warping of bands and Hall effect in graphite, 22:22247
ONO, T. Photoelastic analysis of stresses at skirt-support junctions of nuclear pressure vessel models, 22:14303
ONO, Taimei Construction of Mihama Atomic Power Station of Kansai Electric Power Co, 23:45451
ONO, Yamayasuhito Electron radiation burn due to electrostatic accelerator, 23:2976
ONO, Yo Medical data for therapy of a 13-MeV linear accelerator. I, 23:35829
ONO, Yoro Propagation of shock waves in inhomogeneous gases. VI, 23:39479
ONO, Yoshihisa Neutron diffraction experimental apparatus for a nuclear reactor, 22:14281
ONO, Yoshimi Effects of head irradiation on paradoxical sleep, 24:9937
ONO, Yoshio Catalytic activity and the nature of active centers in zeolites, 24:29125 (NYO-1158-35)
ONO, Yukia Polarographic study of reduction of hydroxyanthraquinone derivatives by ^{60}Co γ-irradiation, 21:34303
ONO, Yukio Effects of radiation on the susceptibility of wheat seedlings to leaf rust, 21:24672
Polarography of quinone derivatives in DMF. IV, 22:18852
ONODA, G. Y. Jr. Thermal cracking in refractory metal throats of solid rocket nozzles, 21:9154
ONODA, Y. Superconducting indium antimonide, 21:5230
ONODERA, Akira Outline of nuclear ship home port, 22:35564
ONODERA, H. Neutron irradiations of silicon studied by ^{57}Fe Moessbauer effect, 25:56326
ONODERA, K Investigation of a rapid and non-destructive fast-neutron activation analysis for many elements by using a semi-conductor detector, 23:19681
ONODERA, K. Activity ratio of ^{95}Zr and ^{95}Nb in radioactive fallout, 23:40911
Estimation of elapsed time after nuclear explosion, 24:31528
ONODERA, Keiichi Fuji electromagnetic pumps for liquid sodium, 25:15820
ONODERA, Norihiko Complications of extraperitoneal surgical irradiation at Hirosaki. II, 22:10873
ONODERA, S. Determining thickness, density, and moisture content of wood by radioactive isotopes, 23:17709
Fabrication and recurring inspection of nuclear reactor steel pressure vessels in Japan, 22:30805
ONODERA, Shinsaku Properties of heavy-section steel for nuclear pressure vessel. II, 22:23787
ONODERA, Sinsaku Higher capacity of nuclear reactors and development of steels for pressure vessels, 22:3945
Properties of heavy-section steel for nuclear pressure vessel. I, 22:23786
ONODERA, Takashi Determination of elementary sulfur by means of isotope dilution method, 23:28716
ONODERA, Toshimi Design of facilities for production of ^{131}I, 24:31573
ONODERA, Y. Critical current densities in superconducting Nb films, 23:5353
Energy-gap measurement of niobium nitride, 23:12713
Resistance anomaly at transition of type-I superconducting films, 24:6479
ONODERA, Yutaka Josephson current limited by self field, 22:17560
Magnetic-field dependence of Josephson current influenced by self-field, -21:41968
Magnetic-field dependence of Josephson current modified by self-field, 23:3410
Superconducting transition temperatures of rf-sputtered NbN films, 25:36065
Superconducting transition temperatures of vapor-deposited niobium nitride, 25:38312
Superconductive transition temperatures of reactively sputtered niobium films, 22:48057
Transition temperatures of laminated intermetallic compounds Nb_3Sn and $Nb_3Al_{0.8}Ge_{0.2}$, 23:39432
ONOFRI, E. Separation co-ordinates and dynamical symmetries, 24:20028
ONOMA, Kathuyuki Production of ^{197}Hg and ^{203}Hg. II, 25:21059 (JAERI-Memo-4220)
ONOPRIENKO, N. S. Gravimetric determination of Ta, 25:37274
ONORI, G. Absorption of ultra-soft x rays in Pt and Ta, 22:24475
Spectral modifications in uv irradiated solutions of T_2 phage DNA, 24:48750 (ISS-69/38)
ONORI, S. Magnetic field modulation of microwave impedance of Pb superconducting films, 25:7331
Modulation spectroscopy of surface superconductivity of Pb films, 25:25020 (ISS-70/6)
ONOSHKO, I. S. Paragenesis of U and Se in multicolored Mesozoic—Cenozoic deposits, 24:7533
ONOSOV, A. I. Determination of Hf concentration in Zr. II, 21:32118
Determination of Hf concentration in Zr. I, 21:32119
ONOSOVA, S. P. Spectrophotometric study of interaction of scandium ions with N,N'-DI(2-hydroxy-5-sulfophenyl)-c-cyanformazan, 22:1992
ONOSOVAKII, K. K. Linear proton accelerator I-2. VI, 22:32400
ONOSOVSKII, K. K. Formation of dose fields on proton beam of ITEP accelerator, 24:38015
Increase of ITEP proton synchrotron limiting intensity by demonochromator, 22:32344 (CEAL-2000, pp A117-19)
ITEP proton synchrotron, 22:32308 (CEAL-2000, pp 460-2)
ITEP proton synchrotron injector, 21:19100 (LA-tr-65-31)
ITEP proton synchrotron injector, 21:29713
Proton beam of the ITEP accelerator for radium therapy, 25:56581 (BNL-tr-442)
Proton beams for radiotherapy, 23:30891
Status report of the ITEP proton-synchrotron operation, 21:29712
ONOYAMA, Yasuto Chemotherapy and radiation therapy of malignant brain tumors, 22:31140
Measurement of neutrons from 32 MeV medical betatron, 24:33076
Radiotherapy of abdominal tumors, 24:25541
ONOZAWA, Yoshiro Inducing mutation by radiations. II, 23:35940
Mutation induction by the internal radiation of β-emitting radioisotopes in crop plant. II, 21:28682
Studies on the mutation induction by the internal radiation of β-emitting radioisotopes in crop plant. III, 23:20159
ONSAGER, L. Integrals in the theory of electron correlations, 21:3866
ONSAGER, R. W. Use of on-line computers in boiling-water-reactor power plants, 21:34175
ONSTEAD, C. Correlation between radionuclide content of body and development of silicosis in miners, 21:43381
ONSTOTT, E. I. Desalination and ion separation of sodium and potassium by bromine redox electrolysis, 25:34691 (LA-4645)
Electrochemical reduction of europium at a porous carbon cathode with flowing electrolyte, 25:54530 (LA-DC-12469)
Geometrical and mechanical effects on extraction of europium by lithium amalgam, 21:17704 (LA-DC-8393)
High-precision flame photometer method for simultaneous determination of sodium and potassium in dilute electrolytes, 24:33584 (LA-4414)
Mobilities of rare earth cations by bromine redox electrolysis with porous carbon electrodes, 25:115 (CONF-700403-(Vol.1), pp 305-9)
Separation of rare earths by electrolysis with porous carbon electrodes, 23:7593 (CONF-681020-(Vol.2), pp 751-7)
ONUCHIN, A. P. Bremsstrahlung in electron—electron scattering at 2 x 160 MeV, 22:44304
Check of quantum electrodynamics in electron-electron scattering, 22:20109 (NP-17322)
Complete absorption counter of the sandwich type, 23:45526
Double bremsstrahlung emission in electron—electron collisions at energy of 2 to 160 MeV, 21:33167
Double bremsstrahlung in the electron—electron scattering for energies up to 2 x 160 MeV, 22:11816
Electron—electron scattering at 2 x 135 MeV, 22:11815
Electron—electron scattering at energy of 2 to 135 MeV, 21:33166
Experiments with a target in the electron storage ring, 22:5696
High-efficient pair magnetic spectrometer, 23:7780
Measurements of luminosity in colliding beams by small angle scattering, 21:33829
Production of monochromatic γ rays in an electron storage ring, 21:13770 (SLAC-Trans-55)
Production of monochromatic γ-quanta by means of storage ring, 21:40327
System for acquisitioning information from wire spark chambers, 24:14309
Test of the quantum electrodynamics by electron—electron scattering, 22:13712
ONUFRIEV, A. T. Ascent of an atomic cloud, 22:2915
ONUKI, Mamoru Remotely operated pipetter, 22:37915
ONUMA, N. Abundances of As, Sn, and Sb in chondritic meteorites, 23:21673
Use of a Ge(Li) detector in activation analysis of rock samples. IV, 24:143
ONUMA, Naoki Determination of indium in rocks by neutron activation analysis, 22:4036
Determination of rare earths in hot spring water using activation analysis, 22:6277
Determination of rare-earth elements in rock samples by neutron activation analysis with a lithium-drifted germanium detector after chemical group-separation, 22:25286
Determination of Sr and Ba by neutron activation analysis, 23:17384
Isotopic exchange chromatographic separation applied to ^{90}Sr and ^{90}Y mixture, 21:1302
Oxygen isotope fractionation between minerals and an estimate of the temperature of formation, 24:20708
Rapid determination of dysprosium in rock by neutron activation analysis, 22:44986
Rare earth abundances in several geochemical standard rocks, 24:48174
Simultaneous determination of rubidium and cesium in rock samples by neutron activation, 23:6068
Trace element partition between two pyroxenes and the host lava, 22:50939
ONWOOD, D. P. Aromatic protonation. V, 23:4623
Kinetics of the oxidation of the formate and deuterioformate ions by permanganate, 22:4127
ONWUMECHILLI, A. Equatorial electrojet and the world-wide S/sub q/ currents, 21:23126
Preliminary results on equatorial electrojet in India, 21:37334
ONYEJUBA, P. E. Absorption lines in neutron-star spectra, 21:16779
ONYSKOWOVA, Z. Death causes in mice exposed to ^{226}Ra, 25:24416
OO, K. C. Absorption of iodovancomycin by Micrococcus lysodeikticus, 25:21577
OOCHURU, Shin Malignant disease in the atomic bomb survivors, 22:4652
OOCHURU, Sinn Clinical observations of 67 cases of leukemia, 22:2526
Multiple myeloma in atomic bomb survivors, 22:4643
OOHATA, T. Distribution and excretion of inhaled Eu, 24:31819
OOIZUMI, Chihiro Economy of radioactive gauges, 23:14065
OOKA, K. Effects of neutron irradiation on stress build-up in glass, 24:10216
OOKAWARA, Shigeyuki Measurement of amounts of Thorotrast deposited, 22:6731
Measurement of residual radioactivity in Nagasaki, 22:10770
Thorotrast and carcinogenesis, 22:2552

OOKUNI, I. Bibliography on heavy atom kinetic isotope effect research, 24:185 (ORO-3234-12)
OOMACHI, S. Nuclear energy costs in Japan, 24:28908
OOMAE, Kiyokazu Contents of vitamin B_{12} in blood following whole-body irradiation, 23:43877
OOMORI, Tamotsu Coprecipitation of uranium with calcium carbonate, 25:57409
OOMS, H. A. Immunologic properties of radioactive iodinated insulin, 22:25777
Labeling protein hormones with radioactive iodine, 24:31807
OOMS, Henri Properties of iodoinsulin labelled with I, 22:36224
OOMS, P. F. M. Floating wire method for determining the useful aperture of a magnetic quadrupole lens, 24:35754
OONA, H. Preparation of thin self-supporting beryllium foils, 21:31673
OONISI, Sigeyuki Atomic bomb radiation effects on antibody formation, 22:6837
OONO, K. Management of radioactive liquid and solid wastes, 25:37462 (KURRI-TR-81)
OORT, J. H. Absence of radio emission from Maffei I, 25:27405
Density of the Universe, 24:46982
Formation of galaxies and the origin of the high-velocity hydrogen, 24:46983
Galaxies and the universe, 25:13913
Infall of gas from intergalactic space, 24:10343
OORT, Jan H. Radio astronomical studies of the galactic system, 22:43696
OOSAWA, Y. Systematic investigation of elastic moduli of WC—Co alloys, 24:32406
OOSHIMA, Hirotoshi Low-temperature phase transition of vanadium sesquioxide, 24:14942
OOSHIMA, Toshinori Studies on LiF thermoluminescent dosimetry, 24:31740
OOST, W. A. Apparatus for determination of thermal diffusion factor, 25:21251
OOSTENS, J. Cross sections for (π^{+},p) reactions on ^{9}Be, ^{12}C, and ^{16}O, 25:59710 (LA-DC-12781)
Evidence for eta^{0} and ω^{0} meson production in reaction $p + d \rightarrow {}^{3}He$ + missing mass, 24:26370
New measurements of $(\pi^{+},2p)$ reactions on light nuclei, 25:59709 (LA-DC-12389)
Production of boson resonances in reaction $p + d \rightarrow {}^{3}He + X^{0}$ using a novel missing-mass spectrometer, 23:46605 (NYO-2171-286)
Transition radiation from relativistic charged particles and its energy dependence, 21:37669
Transition radiation from relativistic charged particles passing aluminum and silver foils, 23:3635
OOSTERBOSCH, R. Demesmaekerite, a U, Cu, and Pb selenite hydrate, 21:4631
Marthozite, a hydrated copper uranyl selenite, 23:49959
Uranium prospecting in Katanga, 24:44140
OOSTERHEERT, W. F. Fast-neutron dosimetry in subcore facility of a swimming-pool reactor, 24:16895
Neutron spectrometry and dosimetry in swimming pool reactor, 23:38307
Radiation induced thermoluminescence of tomato seeds at low temperature, 22:38230
Role of boron in thermal neutral sensitivity of plants, 21:20430
Use of the Biological and Agricultural Reactor (BARN), 22:25110
OOSTERHUIS, J. A. Treatment of diabetic retinopathy by x-radiation of the pituitary, 21:28567
OOSTERHUIS, W. Magnetic hyperfine structure in Moessbauer spectra of $K_3Fe(CN)_6$, 22:15577
OOSTERKAMP, W. J. Automatic counting of solid-state fission track recorders, 25:4343
Calculation of the reactivity worth of small samples, 25:6117
Measurement and calculation of the reactivity worth of samples in a fast heterogeneous zero power reactor, 24:5564 (EURFNR-702)
Survey of scintillation camera systems, 22:38056
OOSTEROM, M. G. Determination by neutron activation analysis of alkali and other trace elements in ultramafic rocks, 25:54496
Determination of sodium in ultrabasic rocks, 25:26204
OOSTHOEK, D. P. Semiconductor device for measuring radiation, 24:20986
Thermal properties of high-value gallium- and boron-implanted resistors in silicon, 25:19783
OOSTHOEK, Dirk Pieter Semiconductor device for detecting and/or measuring radiation, 25:409
Semiconductor device for detecting and/or measuring radiation, 25:6540
OOSTHUIZEN, S. F. Whole-body counter and its application to medicine, 22:47576
OOSTING, J. A. Production of millisecond isomers by 14-MeV neutrons, 23:25880
OOTA, Susumu Electron radiation burn due to electrostatic accelerator, 23:2976
OOTHOUDT, M. Pairing phase transition in Yb isotopes, 25:1745
OOTOMO, Michiko Prophylactic effect of marinamycin against ionizing radiation, 22:31166
OOTSUKA, Ryoichi Ultrasonic flaw testing method for a reactor pressure vessel using a mockup, 25:54925
OPAL, C. B. Energy distributions of electrons ejected in ionizing collisions of electrons with helium, 25:55847
Far-ultraviolet altitude profiles and molecular oxygen densities in an aurora, 24:17761
Far-ultraviolet spectral intensity of B3 V star, 22:49899
Nighttime molecular oxygen densities in 100- to 130-km region, 23:25230
OPALENKO, A. A. Moessbauer effect on impurity nuclei in metallic matrices, 23:16901
Nuclear gamma resonance, 25:36343
OPALOVSKII, A. A. Mo, W, and U oxyfluorides of alkali metals and ammonium, 22:45080
NMR and nature of phase transitions in solid MoF_6 and WF_6, 23:6104
Rubidium and cesium uranyl fluorides, 23:6103
Separation of elements in a liquid hydrogen fluoride, 21:40985
System $KF—UO_2—H_2O$, 21:19609
X-ray investigation of uranyl fluorides of Rb and Cs and questions of automation of indication of x-ray patterns, 22:45083
OPARA, B. K. Heat resistance of dispersion-hardened copper, 25:52371
Heat resistance of precipitation-hardened tungsten and copper, 21:1895
High-temperature strength of dispersion-strengthened copper, 25:22168
Oxidation resistance of Kh20N80 alloy, alloyed with La and Ce, 22:2585
OPARA, U. Photoproduction of $K^{+}\Lambda$ and $K^{+}\Sigma^{0}$ from H, 25:5253
OPARA-KUBINSKA, Zofia Radiobiological and physicochemical properties of 5-bromodeoxyuridine-labeled transforming DNA, 21:24689
OPARIN, A. I. Present state and perspectives of the investigations on the origin of life, 22:25788
OPARIN, E. M. Anisotropy of stilbene scintillation properties and its uses in developing directed neutron detectors, 21:39252
Inelastic scattering of neutrons on deuterons at 14 MeV, 21:44551
OPARIN, V. A. Electron attachment to protons in alkali metal vapors with the formation of highly excited hydrogen atoms, 21:7010
Electron binding energy in negative ion He^{-}, 25:9169
Formation of highly excited atoms in the charge-exchange process, 24:17660
Formation of highly excited He atoms during charge exchange, 24:45034
Production of highly excited hydrogen molecules and atoms by fast H_2^{+} and H_3^{+} ions passing through H_2, Ne, and Mg and Na vapor, 22:13239
OPARINA, D. Ya. Anatomy of dog kidneys following irradiation by high-energy protons, 25:24339 (JPRS-52402, pp 17-22)
Changes in the hemopoietic systems of rats irradiated with protons with an energy of 126 MeV and gamma rays of ^{60}Co, 21:16434 (JPRS-38272, pp 442-3)
Kidneys of dogs after high energy proton irradiation, 25:24381
OPAT, G. I. Exact statistical mechanics of a relativistic magnetic anomaly, 22:9493
OPAT, Henry Engineering developments in Chalice experiment, 21:5239 (SIT-2582-21)
Evidence for long-time confinement of dense plasma by means of two THETA pinches and a cusp (Chalice), 21:46305 (SIT-2582-24)
Fast reliable floating light pulser and light trigger, 21:30587 (CONF-661016, pp 315-24)
OPAUSKI, I. MI-1305 mass spectrometer for isotopic analysis of natural C and O, 21:1689
OPAUSZKI, J. Determination of MI-1305 mass spectrometer D/H ratio by using modulated accelerating voltage, 25:41729
OPAUSZKY, I. Kinematic investigations of ion—neutral collision mechanisms at approximately 1eV, 22:36737
OPAUSZKY, Istvan Determination of boron-isotope composition on the basis of the mass spectrum of methyl borate, 21:2984
Mass spectrometric analysis of boron isotopes in trimethyl borate, 21:25782
OP DE BEECK, J. Determination of Cu and Bi in high-purity Pb by activation analysis, 21:42883
Determination of Th, La, and Sm in Ce(IV) nitrate by activation analysis, 22:4008
Double irradiation technique in detection of nuclear interference reactions, 23:11466
OP DE BEECK, J. P. Activation analysis, 25:37321
Decay of ^{135}I to levels of ^{135}Xe, 24:52621
Flux distribution around the neutron source of a T(d,n) type neutron generator, 23:44807
Second order reaction interferences. I, 24:13787
Second order reaction interferences. II, 24:16466
Vanadium-51/n,α/^{48}Sc mean reactor cross-section, 23:44865
OP DE BEECK, Jan P. Decay of 9.2-hr ^{135}Xe, 23:4028
OP DEN KAMP, A. M. F. Gamma rays from thermal-neutron capture in natural and ^{30}Si enriched silicon, 25:12403
Reaction ^{42}Ca(n,γ)^{43}Ca, 23:34764
Thermal-neutron capture gamma rays from natural Mg and enriched ^{25}Mg, 21:42591
OPDYCKE, D. G. Cryogenic beryllium biaxial stress test, 24:32376 (WANL-TME-1986)
OPDYCKE, Jack Prog. rpt. on P—V—T relations in high molecular weight aromatic hydrocarbons, final, 1966, 21:17609 (TID-23757)
OPECHOWSKI, W. Invariance groups of Schroedinger equation for case of uniform magnetic field. I, 23:46587
OPEDAL, T. Mean energy level width GAMMA of ^{27}Al and ^{28}Al at high excitation energy, 22:13957
OPEIDA, N. N. Complexing uranyl with resorcin in aqueous solutions, 21:54
OPEL, P. Development of the FDR-pressure vessel steel for the nuclear research ship Otto Hahn, 23:28598
OPENSHAW, I. K. Possible significance of the fluorescence correction in electron-probe microanalysis of light elements, 22:2458
OPENSHAW, Ian Kay Improvements relating to collimators, 23:9795
OPER, Don Mouse immobilizer and radiation shield, 21:41411
Tachisotoscope for x rays, 21:12983
OPFER, J. E. Diffusion coefficients and nuclear magnetic susceptibility of dilute ^{3}He—He II solutions, 22:38995
OPFER, James Edward Nuclear magnetic susceptibility and spin diffusion in dilute systems of ^{3}He atoms, 21:46292
OPHEL, I. L. Accumulation of mixed fission products by marine organisms, 21:18019
Effects of internally deposited radionuclides on the thermal tolerance of fish, 21:16459
Skeletal distribution of Sr and Ca in several species of fish, 21:45578
Strontium—calcium relationships in aquatic food chains, 23:17971 (CONF-670503-, pp 221-5)
Waste control problems in an expanded nuclear power industry, 24:50925 (AECL-3685)
OPHEL, T. R. 1080 keV resonance of ^{15}N(p,$\alpha\gamma$) reaction, 23:49328 (ANU-P-458)
1080 keV resonance of ^{15}N(p,$\alpha\gamma$) reaction, 24:3897
6^{+} level in ^{16}O, 24:38096 (ANU-P-491)
6^{+} level in ^{16}O, 24:38125
Branching ratios of ^{27}Al bound states, 22:37314 (ANU-P-408)
Branching ratios of ^{27}Al bound states, 22:44676
Computer acquisition of nuclear data, 25:15979
Computer reduction of complex spectra, 25:26489 (ANU-P-487(2))
Energy levels of ^{16}O in region of excitation between 13.5 and 15.0 MeV, 25:56681
Energy levels of ^{16}O in the vicinity of 13 MeV. III, 22:9780 (NP-17203)
Energy levels of ^{16}O in vicinity of 13 MeV, 22:26845
Gamma ray analysis programs, 25:34915 (ANU-P-438)
Line shape analysis of spectra obtained with Ge(Li) detectors, 23:11818 (ANU-P-413)
Line shape analysis of spectra obtained with Ge(Li) detectors, 23:16145
Method of measuring (p,n) thresholds for calibration of beam analyzing systems, 23:19026 (ANU-P-414)
Nuclear spectroscopy instrumentation, 25:28102 (ANU-P-502)
Resonances of ^{24}Mg(p,γ) reaction between 660 and 1000 keV, 23:32907 (ANU-P-423)
Resonances of the ^{24}Mg(p,γ) reaction between 660 and 1000 keV, 23:52140
OPHIR, D. BRAD: Brookhaven Raster Display, 22:43103
DTN—data terminal network computer system, 22:36103
OPIK, U. Calculating van der Waals interactions, 22:9008
Polarization of closed-shell core of atomic system by outer electron. II, 22:9007
Polarization of closed-shell core of atomic system by outer electron. I, 22:9006
OPINSKY, A. J. Crystallographic interpretation of the preferred orientation of large grains in doped tungsten wire, 21:28791
OPITZ, A. G. Development of a boron concentration meter, 23:47880 (WCAP-3690-7)
OPLE, F. S. Comparison of experimental results with response analysis for a model of a pressure vessel, 23:34083 (GA-9309)
Properties of concrete for prestressed concrete reactor vessel usage, 23:48582 (GA-8305)
OPLE, F. S. Jr. Analytical and experimental determination of time-dependent deformations of prestressed concrete reactor vessels, 21:38765
Comparison of experimental results with response analysis for a model of a pressure vessel, 25:29313
Effects of temperature on a prestressed concrete reactor vessel model, 23:7387 (GA-8776)
Effects of temperature on a prestressed concrete reactor vessel model, 25:25976
OPLESNIN, B. A. Deformation texture and the recrystallization of monocrystals of molybdenum, 24:8143
Deformed Mo recovery, 25:2746
OPLETAL, Z. Radiosterilization of drugs, 24:32316
Radiosterilization of polyvinyl chloride and polyethylene materials, 25:47079
Some experience with the radiation sterilization of drugs, 23:45982
Sterilization of polyvinyl chloride and polyethylene materials by radiation, 24:19025
OPOCHANSKAYA, L. D. Determination of Nb in Zr minerals, 23:19638
OPOIEN, J. W. Double-valued nature of the hydrogen main sequence, 25:45206
OPOWER, H. Energetic plasmas produced by laser light on solid targets, 22:5380
Experiments with two laser-produced interpenetrating plasmas, 24:12806
OPOWER, Hans Pulsed thermonuclear reactor operated with lasers, 24:30355 (AEC-tr-7148)
OPP, Albert G. Particles and fields. II, 24:6439
Particles and fields: significant achievements, 22:8974
Penetration of magnetopause beyond 6.6 R/sub E/ during the magnetic storm of January 13—14, 1967, 22:47975
OPPEGAARD, K. Fuel cycle performance potential of sodium and gas cooled fast breeder reactors, 24:24841
OPPEL, R. Measurement of beam profile for high-intensity particles, 25:2434 (CERN-70-27)
Research on intense magnetic fields of superconductors for experiments in particle physics, 23:49261
OPPELSTRUP, J. Nuclear equilibrium deformation and the moment of inertia of the $11/2^{-}$ [505] band, 25:23039
OPPELT, A. Isotope renography in diagnosis of renovascular hypertension, 23:29653
Spin echo investigations in ferromagnetically ordered gadolinium, 24:47333
OPPELT, Jiri Contribution to the optimization of window ionization chambers, 23:45514
Electrometers for standard ionization chambers, 25:15904
OPPENHEIM, A. K. Dynamics of shock intersections, 24:33620 (UCRL-72443)
Generation of a fissioning plasma in a shock tube, 23:30565
Generation of pressure waves in fissioning gases, 23:39359
Pressure wave generation in a fissioning gas. IV, 21:9302
Prompt-neutron kinetics of a spherical cavity reactor, 21:8029

OPPENHEIM, Alan Asymptotic spectrum of bremsstrahlung radiation, 23:32178
  Bremsstrahlung power density, 25:40646
OPPENHEIM, Bernard E. Method using a digital computer for reducing respiratory artifact on liver scans made with a camera, 25:49241
OPPENHEIM, Irwin Quantum corrections to time correlation functions, 22:29242
OPPENHEIM, Joost J. Specific inhibition tumor cell DNA synthesis in vitro by lymphocytes from peritoneal exudate of immunized syngeneic guinea pigs, 24:44453
  Synergistic interaction of macrophages and lymphocytes in antigen-induced transformation of lymphocytes, 24:39445
OPPENHEIM, Ronald W. Embryonic mobility and posthatching perception in birds after prenatal gamma irradiation, 24:41970
OPPENHEIM, S. Quantitative study of Rauscher virus inactivation by various physical and chemical agents, 21:26695
OPPENHEIMER, D. R. Effect of irradiation on a medulloblastoma, 23:38729
OPPENHEIMER, F. Bubble chamber study of reactions occurring with stopping K^--mesons in mixture of propane and freon, 22:15683
  Enhancements (rho$^-\pi^-$) produced by 2.3-GeV/c negative pions in deuterium, 23:7081 (COO-1764-17)
  Enhancements in π^-d interactions at 2.26 GeV/c, 23:8735 (COO-1764-22)
  $I = {}^5/_2$ baryon resonance of mass 1640 MeV/c^2, 23:25532
  Reaction $\pi^- + p \rightarrow \pi^+ + \pi^- + n$ at 2.36 GeV/c, 21:17058
  Study of reaction $\pi^- + p \rightarrow \pi^+ + \pi^- + n$ at 2.36 GeV/c, 21:17050
OPPENHEIMER, Frank Isobar production in reaction $\pi^- + n \rightarrow p + \pi^- + \pi^-$ at 2.26 GeV/c, 24:12958
OPPENHEIMER, J. Robert Lectures on electrodynamics, 24:40218
OPPENHEIMER, Robert Thirty years of mesons, 21:887
OPPERMANN, F. Half-life measurements in decay /sup 184m/Re $\rightarrow {}^{184}$W, 23:47018
OPPERMANN, L. Grain-boundary self-diffusion in Cd, 24:25732
OPPO, G. Model for s-wave (eta$^0 \rightarrow 3\pi$) and ($X^0 \rightarrow 3\pi$) amplitudes, 24:45523
OPPO, Giuseppe Models of eta$^0 \rightarrow \pi^0 + 2\gamma$ decay, 21:42312
  Violation of the ΔI absolute value $= {}^1/_2$ rule in the K/sub 3π/ decay, 24:18252
OPPOLD, J. A. Derivation of gaseous release limits for the Browns Ferry Nuclear Plant, 25:56980
OPPOLD, James A. Radium contamination incident in Iowa, 22:40700
OPREA, M. Use of di-2-ethyl-hexyl-phosphoric acid salts as stationary phases in gas chromatography, 25:31771
OPRESCU, E. Texture of nuclear graphite, 25:40100
OPRESCU, Elena Reactivation at low temperatures of Sabin polioviruses inactivated by uv light, 21:28691
OPRESCU, I. Radiolysis of petroleum fractions in I.F.A. reactor, 21:21978
OPRESCU, S. Effect of x rays on swine, 24:17030
  Mitotic chromosomes in normal and x-ray irradiated gallus domesticus, 22:33785
OPRESCU, St. Observations on meiotic chromosomes in normal and x-irradiated Gallus domesticus, 22:31019
  Research on ontogenetic development and embryonal energy metabolism of normal and x-ray irradiated Gallus domesticus, 22:8636
OPRISAN, Ana Regeneration of body after irradiation. I, 23:50349
OPROIU, C. Electron beam broadening of a 3 MeV linear accelerator, 25:50587
OPSTAD, Melford T. Recent developments in molten-salt reactors, 25:18106
OPSTRUP, P. A. Models of seasonal primary productivity in eastern tennessee festuca and andropogon ecosystems, 23:37856 (ORNL-4310)
OPSTRUP, Shirley B. Journal control system at Oak Ridge National Laboratory, 23:13605 (ORNL-4314)
OPUCHLIK, M. Effects of nuclear radiation on semiconductor elements, 25:26561
OQUIDAM, B. Ultrasonic inspection of the internal quality of cast uranium alloy tubes, 23:11732 (CEA-CONF-1080)
O'QUINN, Silas E. Contact photodermatitis due to bithionol and related compounds, 22:8612
ORAAS, S. Design of 4000 ton magnet for TRIUMF cyclotron, 25:31092
  Techniques applied to design of TRIUMF magnet poles, 25:31049 (TRI-70-4)
ORAEVSKII, A. N. Excitation of pulsations in the output of a molecular beam oscillator, 21:28996
  Possibility of observation of two-photon resonance, 21:31244
  Radiation echo, 21:42102
ORAEVSKII, V. Hydrodynamic equations for plasmas in strong magnetic fields. I, 23:30548
ORAEVSKII, V. N. Dielectric constant of weak inhomogeneous plasma with almost monoenergetic component, 24:5166
  Effect of fusion reactions on the operation of thermonuclear devices, 25:38506 (CONF-710607-131)
  Excitation of oscillations in decay instability of steady-state waves in a plasma, 21:42053
  Excitation of red and violet satellites in instability of Alfven waves, 22:50158
  Explosive instability of interacting waves in quiescent plasma, 24:40153
  Influence of the temperature on the wave propagation in a bounded plasma, 22:50160
  Instability of inhomogeneous plasma caused by thermonuclear reaction products, 22:11483
  Interaction between space and surface waves in bounded plasma, 23:51729
  Interaction of magnetohydrodynamic waves in a bounded plasma, 24:28348
  Magnetohydromagnetic waves in a cylindrical plasma column, 22:50161
  Multiplasmon decay instabilities of a turbulent plasma, 21:46387
  Non-linear drift waves in a plasma, 23:32521
  Nonlinear dissipating instability of magneto-acoustic waves, 24:10590
  Nonlinear stable collisionless drift waves, 24:35516
  Plasma stability in combined magnetic fields, 22:9404
  Stability of a magnetoactive plasma with a monoenergetic component, 23:8640
  Use of the variational method during investigation of dissipative instabilities in plasma, 24:40111
O'RAIFEARTAIGH, L. Application of Wataghin's method in analysis of ultra-high-energy interactions, 25:47845
  Corollary to mass-splitting theorem, 21:11788
  Coupling of the spacelike and timelike wave functions at infinite momentum, 22:44350
  Current algebra and eta $\rightarrow 3\pi$ decays, 21:21170
  Dashen—Gell-Mann angular conditions, 24:8605
  Group theory of the Kepler problem, 21:5065 (NYO-3399-39)
  Mass-splitting theorem for general definitions of mass, 22:44342
  Mass-splitting theorem for non-unitary group representations, 21:44414
  Mass-splitting theorem for translationally invariant nonintegrable Lie algebras, 22:11709
  Momentum-transfer-independent angular relations and solutions to the isospin-factored current algebra, 23:42586
  Properties of current algebra at infinite momentum, 23:42587
  Relationship of internal and external multiplicity structure of compact simple Lie groups, 21:27391
  Saturation of current algebra at infinite momentum, 23:46633
  Saturation of the isospin-factored current algebra, 22:48253
  Self-consistent equations and self-coupling of vector mesons, 21:37898
  SL(2,C) in an infinite-momentum E(2) basis and calculations of form factors, 22:35032
  Some mass-splitting theorems, 23:15184
  Spacelike solutions of infinite-component wave functions, 22:37096
  Two-variable expansions of relativistic amplitudes and subgroups of SU(2,1) group, 23:32780
  U(12) tilde and crossing symmetry, 21:5404 (NYO-3399-37)
  Unitary representations of SL(2,C) in an E(2) basis, 23:15164
O'RAIFEARTAIGH, L. S. Analysis of the Gell-Mann—Dashen angular momentum condition, 23:30726
O'RAIFEARTAIGH, Lochlainn Algebraic approaches to particle physics, 22:39308
ORALBAEV, K. O. Sensitivity of rats to mercury bichloride after irradiation, 24:19352
ORAM, A. Pulse counting using in core detectors, 23:23882
ORAM, R. W. Injection into 8 GeV booster synchrotron, 25:50528
ORAN, William Radiation degradation of selected films, 25:4406 (N-70-35843)
ORAN, William A. Flux and energy spectrum of cosmic-ray electrons, 23:10464
  Proton spectrometer for NASA's Apollo applications program, 24:39327
ORAN, William Alexander Flux and energy spectrum of cosmic-ray electrons, 23:44205
ORATOVSKII, Yu. A. Preparation of polarized thermal neutron beam by means of cobalt mirror stack, 21:6359
ORAV, I. Influence of the post-irradiation treatment of barley seeds with low concentrations of ethylenimine on the physiological effect of the radiation, 23:2980
ORAV, T. Influence of the post-irradiation treatment of barley seeds with low concentrations of ethylenimine on the physiological effect of the radiation, 23:2980
ORAVA, R. N. Effect of grain size on the yielding and flow of molybdenum, 23:48407
  Work hardening and dislocation structures in niobium single crystals, 23:33978
ORAVEC, C. Natural antibodies against the Ehrlich ascites mouse tumor in sera of irradiated goats, 25:39923
ORAVEC, J. Some radioactive characteristics of calcium, 25:5647
ORAZIO, Fred D. Sr. Reactor for nuclear extended range aircraft, 25:51207
ORBACH, R. Anisotropic behavior of dilute magnesium—gadolinium alloys, 25:36342
  ESR of Er in cubic metals, 25:40828
  Magnetic resonance in dilute magnetic alloys: hyperfine splitting of Ag:^{167}Er, 25:47686
ORBAN, E. Determination of Si in lymph nodes by neutron activation and spectrophotometry, 24:38783
ORBAN, Eva Determination of Si, Al, and P in biological samples, by neutron activation and spectrophotometry, 23:17366
  Determination of silicon by neutron activation analysis in lymphatic glands, 25:15559
ORBAN, G. Correlation type time-of-flight spectrometer with magnetically pulsed polarized neutrons, 22:12602
  Emergency-dose measurement by means of aqueous solutions of potassium nitrate and sodium nitrate, 21:3130
  Gamma-ray dosimetry by means of a thermoluminescent dosimeter utilizing natural CaF_2:Mn, 21:1642
ORBAN, M. Correlation between structure and mechanism in iodine exchange, 23:31340
  Iodine exchange between 1-phenyl-2,3-dimethyl-4-iodoacetylpyrazolone and iodide ion, 23:31341
  Iodine-catalyzed iodine exchange reactions, 25:41817
  Kinetics of iodine exchange between monoiodoacetic acid and molecular iodine in benzene, 24:38808
ORBAN, Miklos Solvent effects in isotope exchange reactions. VIII, 22:75
  Solvent effects in isotope exchange reactions. VII, 22:76
  Solvent effects on isotopic exchange reactions. X, 22:30550
ORBELI, A. L. Excitation of fast hydrogen atoms due to collisions with noble gas atoms, 23:39335
  Excitation of the Lα line during stripping fast negative H ions in inert gases, 24:39812
  Stabilized Ag atoms formed during irradiation of frozen salt solutions in aromatic compounds, 23:2322
ORBESEN, S. D. Automatic scanning device for nuclear track plates, 25:49010
ORCEL, J. Metamictic radioactive minerals and the metamictic state, 22:27931
ORCHARD-WEBB, J. Measurements of C/sub NN/ in 140-MeV p—p scattering using a polarized target, 21:21415
  Measurements of correlation parameter in proton—proton scattering, 22:11898
  Polarization and relaxation of protons in irradiated lanthanum magnesium nitrate, 21:46147
ORCHARD-WEBB, J. H. Effect of impurities on spin—lattice relaxation time in Li and Be, 24:51827
ORCUTT, F. D. Hot isostatic processing, 25:16432
ORCUTT, F. K. Design of an experimental steam-lubricated rotor-bearing system, 23:2463 (NYO-3839-4)
  Experimental investigation of steam-lubricated rotor-bearing system, 23:40919 (NYO-3839-6)
  Experimental study of externally-pressurized, steam lubricated, single-restrictor, circular thrust bearing, 23:2462 (NYO-3839-3)
  Prog. rpt. on liquid metal bearings technology, 8—10/68, 23:11692 (NYO-3930-3)
  Prog. rpt. on liquid metal bearings technology, 11/68—1/69, 23:21856 (NYO-3930-4)
  Selection and evaluation of materials for steam lubricated bearings, 22:17073 (MTI-68-TR-13)
  Steam-lubricated rotor-bearing system, 23:24346 (NYO-3839-5)
ORCZYK, Krzysztof Geophysical radiometric instruments designed and produced by geophysical company for oil industry in Krakow, 22:43136
ORD, J. L. Anodic oxidation of tantalum, 23:30020
ORD, Margery G. Biochemical effects of ionizing irradiation on nuclear function in animal cells, 22:45447
  Effects of ionizing radiation on thiol groups of histones, 24:11962
  Significance of thiol groups in normal and irradiated nuclei, 21:18150
ORD, R. N. Eddy current test pattern recognition program, 23:9665 (BNWL-942)
  Moessbauer effect using backscatter geometry as applied to nondestructive testing, 24:11823 (BNWL-1276)
  Moessbauer through-transmission versus backscatter geometry comparison, 25:15934
ORDAL, E. J. Prog. rpt. on aquatic myxobacteria, C. columnaris, 21:40744 (RLO-1727-10)
ORDAL, Erling J. Prog. rpt. on aquatic myxobacteria; chondrococcus columnaris, annual, 1970, 25:519 (RLO-2225-T-10-1)
  Prog. rpt. on aquatic myxobacteria, Columnaris and other fish pathogens, 1971, 25:60283 (RLO-2225-T-10-3)
ORDAL, Z. J. Activation of spores of B. cereus by γ radiation, 22:31300
ORDANYAN, S. S. Dependence of grain $NbC_{0.80}$ size on temperature, 21:3536
  Effects of method of production of TiC and ZrC specimens on their high-temperature properties, 25:6895
  Electric properties of solid solutions of ZrC—NbC, 22:17730
  Electrical properties of complex non-stoichiometric carbides ZrC—Nb and NbC—Zr, 22:41111
  Electrical properties of solid solutions of carbides, 21:46406
  Electro- and thermophysical properties of zirconium monocarbide, 21:11303
  Electronic properties of nonstoichiometric vanadium monocarbides, 25:30667
  Enthalpy and heat capacity of niobium carbide at 1300 to 2500°K, 22:753
  Equilibrium diagram of the system tantalum carbide—rhenium, 24:10083
  Hydrolysis of the fourth and fifth group transition metals, 24:41260
  Magnetic susceptibility of solid solutions of ZrC and NbC, 24:26323
  Mechanism of conductance in defective niobium monocarbide lattices, 21:41656
  Phase diagram of system ZrC—Re, 23:10287
  Phase diagram of the system ZrB_2—Re, 25:32836
  Some structural and mechanical characteristics of aqueous TiC- and ZrC-base suspensions, 25:32814
  Structure of alloys in system Ta—C—Re, 25:42992
ORDE, F. K. Selection of nuclear power and desalination plants, 23:49634
ORDER, Stanley Marrow-derived thymus precursor cells. Availability and potential for reseeding bone marrow, 25:37882
ORDER, Stanley E. Cellular differentiation in the thymus, 24:9786
ORDILLAS, Meliton Umipig Jr. Composition and cast structure effects on superalloy properties, 25:16477
ORDINAIRE, Lionel Contribution to the study of chemical dosimetry by chromatography of a water—benzene—phenol mixture, 21:5961
ORDING, Buchard Construction of reactors in German Federal Republic, 24:18606
ORDWAY III, Frederick I. Advances in space science and technology. X, 25:2396
  Advances in space science and technology. IX, 25:43077

ORDY, J. M. Changes after deuteron irradiation of brain in mice, 23:38772
  Changes in cerebellum after deuteron irradiation, 22:4691
  Effects of deuteron irradiation on cells in cerebellum of mice, 22:38229
  Interaction effects of environmental stress and deuteron irradiation of the brain on mortality and longevity of C57BL/10 mice, 22:12919
  Modification of acute radiation effect on cerebellar neurons of mice by antinomycin D, 22:49421
ORDY, J. Mark Head irradiation and aging, 23:12192 (BNL-13065)
ORDYNETS, G. E. Application of lead isotopic composition variations for uranium district studies, 23:17621
  Influence of reductive properties of rocks on the localization of the hydrothermal uranic mineralization, 22:51112
ORE, Aadne Role of multiple ionization in radiation action, 22:25402
OREAR, J. Backward peaks in elastic pion—proton scattering from 6 to 17 GeV/c, 21:37702
  Elastic scattering of π^-, K^- and anti p from protons at 9.8 and 13.6 GeV/c, 23:3647
  Elastic scattering of π^{+-}, K^-, and /anti p/ on H, 23:36852
  High energy π^--p, K^--p, and anti p-p elastic scattering, 22:39271 (CERN-68-7(Vol.1), pp 571-9)
  High-energy π^-—p, K^-—p, and anti p—p elastic scattering, 22:41746
  Large-angle pion—proton elastic scattering at high energies, 21:9719
  Reaction $\pi^-p \rightarrow n\pi^0$ in backward hemisphere at 6 GeV/c, 24:26373
  Structure in backward pion—proton elastic scattering from 6 to 17 GeV/c, 22:41744
OREAR, Jay Some reactions at high momentum transfer at NAL, 25:5281 (CONF-700314-, Paper 15)
OREF, Izhack Quantum mechanical calculations of reaction probabilities of three-body exchange reactions, 22:12329
OREFICE, A. Acceleration processes of a charged particle by electromagnetic waves, 24:3240
  Analysis of rf structure for plasma production and heating, 24:40099
  Electromagnetic wave propagation in weakly ionized plasma. II, 21:29256
  Electromagnetic wave propagation in weakly ionized plasma. III, 21:29255
  Korteweg—De Vries equation for drift waves, 25:5127
  Near field of an antenna in a magnetoactive plasma, 21:3827
  Plasma heating by two high-frequency waves beating in gyroresonance, 25:52780
OREG, J. Generalized Rajnak—Wybourne identity, 25:40938
OREHOSKI, M. A. Transactions of the vacuum metallurgy conference, New York, 6/66, 21:32819
OREHOTSKY, R. S. Response of dosimeters to ^{60}Co and pulsed electron irradiations, 25:35034
O'REILLY, B. D. Discrete ordinates representations of the scattering kernel, 23:47306 (CNM-R-2(Vol.2), pp 1086-98)
O'REILLY, B. D. Sr. Discrete ordinates representations of the scattering kernel, 22:9762 (NAA-SR-12493)
O'REILLY, Bruce D. GRAMS: FORTRAN program to solve gamma ray penetration problems in multislab shields, 21:35209 (NAA-SR-12337(Vol.1))
  Variational synthesis method for calculating structure shielding data, 23:27667 (AD-680457)
O'REILLY, D. E. Deuteron magnetic resonance of solid phases of D_2S, 24:29303
  Paramagnetic resonance of γ-irradiated selenious acid, 22:18822
  Rotational correlation times in chloroform and methyl chloroform, 24:29251
O'REILLY, Donald E. Viscosities of solutions of potassium in liquid ammonia and deutero-ammonia, 24:9270 (COO-294-11)
  Viscosities of solutions of potassium in liquid ammonia and deuteroammonia, 24:36220
O'REILLY, J. M. Deuteration and solvent composition effects in the helix-coil transition of poly-γ-benzyl-L-glutamate, 21:17646
O'REILLY, M. Evidence for a neutron excess in the surface of heavy nuclei from a K^- meson capture study, 21:25489
O'REILLY, Patrick Daniel Interactions of 16.2-GeV negative pions with emulsion nuclei, 25:7559
O'REILLY, R. J. Computer assisted cerebral blood flow studies, 25:52144
  Joint transduction of separate extrachromosomal drug resistance determinants in Staphylococcus aureus E169, 25:19157
O'REILLY, Richard J. Effect of parabens on blood: brain barrier, 23:26654
  Promotion of radioisotope excretion, 21:20206
O'REILLY, S. Detection of heterozygote of Wilson's disease, 24:12175
O'REILLY, Sean Rapid sequential cranial scintiphotography, 22:51806
OREKHOV, V. D. Determination of radiation yield of nitrite ions during irradiation of sodium nitrate solutions with small doses, 25:8297
  Determination of the radiation yield of nitrite ions in the irradiation of sodium nitrate solutions in the small-dose region, 25:18463
  Kinetics of the low-dose radiolysis of concentrated aqueous acidic solutions of sodium nitrate, 25:54657
OREKHOV, Yu. I. Dynamics of a two-circuit installation with a self-regulating reactor and natural circulation of the heat carrier, 24:47827
  Dynamics of a two-circuit installation with a self-regulating reactor and natural circulation of the heat carrier, 25:23260
  Physical characteristics of the Sever mobile nuclear power plant, 24:47927
  Physical characteristics of water-moderated water-cooled reactor, 22:20812 (FEI-88)
  Physical characteristics of water-moderated water-cooled reactor with burnable poisons, 22:42355 (ANL-Trans-637)
  Stability of main harmonics in a closed-circuit reactor considering xenon oscillations, 21:17488
OREL, A. Measurement of density and moisture-content of building materials, 23:47866 (NIJS-P-244)
OREL, B. Vibrational normal coordinate analysis of H(D)NCO and H(D)NCS, 25:41791
OREN, Y. Heavy-boson production in anti pp multipion annihilation at 6.94 GeV/c, 24:37623
  Hyperon and anithyperon production in anti p-p collisions at 7 GeV/c, 21:9702
  Kaonic annihilations of antiprotons in H at 7 GeV/c, 21:37695
OREN, Yona Energy dependence in K/sub e3/° decay form factor, 21:40141
  Low energy K^0_2—proton interactions, 22:13670
ORENS, J. New model for plasma confinement times in stellarators, 23:8585
ORENS, J. H. Computations on anomalous resistance, 24:51678
  Theory of the beam cyclotron instability in plasmas, 25:36167
ORENS, Joseph H. Plasma heating due to the beam cyclotron instability, 25:45445 (AD-720675)
ORES, R. Comparative electron microscope, histopathologic, and histochemical studies of central nervous system of rats following x-irradiation, 21:28605
ORESHAK, O. N. Electron energy distribution in moving striations, 25:47509
  Electron energy distribution in the positive column of a helium discharge, 25:36119
  Excitation of helium—krypton mixture, 21:29210
  Influence of striations on the electron energy distribution in a mercury—krypton mixture, 22:48115
  Measurement of the electron energy distribution in a perturbed plasma, 25:47508
ORESHINA, A. F. Aerogenic introduction of ^{239}Pu into the human body, 22:40721
  Effects of ^{60}Co particles on morphology of rat lungs, 24:48709
  Significance of radioactive particles in atmosphere, 21:43379
  Study of uptake of air-borne ^{239}Pu by human organism, 24:12064 (AEC-tr-7128, pp 235-45)
ORESHKIN, I. G. Effects of fractionated γ irradiation, 24:7991
  Experiment on chronic γ-irradiation of rats with variable daily dose of influence, 23:923
  Interpretations of biological effect of chronic γ-irradiation, 23:6567 (JPRS-44299, pp 77-85)
  Model for cumulative damage in systematic γ-irradiation, 22:12918
ORESHKIN, V. D. Wear resistance of surfaces faced with borides, 25:55619
ORESHKINA, A. A. Effect of the conditions in high-temperature thermomechanical treatment on the properties of Mg—Nd alloys, 23:8187
  High-temperature thermomechanical treatment of magnesium—zinc—zirconium alloys, 25:35456
  Structure studies of the Mg—3 percent Nd alloy following high-temperature plastic deformation, 21:39650
ORESHKO, V. I. Effect of a constant magnetic field on E. coli enzyme activity, 24:48399
ORESTANO, F. Calculation of neutron spectra in thermal reactors by means of various codes, 21:42818 (RT/FI-(67)15)
  Calculation of neutron spectra in thermal reactors, 22:46904 (N-68-24779)
  Determination of the reactivity for a sample of finite dimensions introduced into the reactor, 23:2128 (RT/FI-(68)23)
  Europium as resonant absorber for simulation of Pu and spectral detector, 23:37067 (RT/FI-(68)52)
  Heterogeneous mockup of plutonium with europium in a lattice of uranium, 24:28996 (RT/FI-(69)23)
  Neutron calculations for setup of plutonium lattice in RITMO reactor, 25:48315 (RT/FI-(70)45)
  Power distributions and reactivity worths calculated for different patterns in UO_2—PuO_2 microlattice, 24:26776 (RT/FI-(69)49)
  Recycle of plutonium: physics experiments carried out in the Casaccia reactor, 25:25986 (RT/FI-(70)48)
ORESTANO, F. V. Activation cross section of ^{151}Eu, 23:47010
  Analysis of critical experiments with organic-moderated assemblies, 21:25722
  Comparison of critical experiments with calculations for organic lattices, 22:50815
  Evaluation of neutron spectral effects, 24:22499
  Microlattice with Eu simulating Pu, 24:50243
OREVKOV, Yu. P. Calculating three-ray apical parts, 22:35401
ORFORD, K. J. Mass composition of primary cosmic rays at energies above 10^8 GeV, 22:46340
  Momenta of muons in extensive air showers, 21:11465
  Muons in large extensive air showers, 23:46310
ORGEL, G. S. Sensitivity of codling moths to x and gamma radiation, 25:29612
ORIA, M. Charged particle detectors made by implantation, 25:6534 (CEA-CONF-1642)
  Charged particle detectors made by implantation, 25:57749
  Development and adjustment of a Ge(Li) Compton spectrometer, 23:47796
ORIA, Michel (DD) reactions on a gaseous target of D_2O vapor used as neutron sources, 24:20300
ORIA, Moreau Detection of radiations, 23:50131
ORIANI, A. Versatile all-Ge(Li) anti-Compton spectrometer, 25:48981
ORIENT, O. J. Diffusion coefficient to mobility ratio of electrons for noble gases, 21:9342
  Drift velocities of helium molecular ions, 22:49991
  Measurement of the temperature dependence of atomic and molecular ion mobilities in helium, 22:13253
ORIFKHODZHAEV, U. Radioactive determination of tellurium by (n,2n) reaction, 22:39671
  Use of D—T-neutrons for determination of Ga in Al by activation analysis, 23:2254
ORIFKHODZHAEV, V. Activation analysis of selenium by fast neutrons, 23:35036
ORIFKHODZHAEV, Ya. Angular distribution of shower particles generated by μ-mesons, 23:41993
ORIHARA, H. Reaction (^{3}He,d) on ^{116}Sn, ^{118}Sn, and ^{120}Sn, 22:3734
  Reaction ^{9}Be(^{3}He,t)^{9}B, 22:26886
  Reaction ^{9}Be(^{3}He,t)^{9}Be in 3.0- to 3.8-MeV region, 22:39578 (CONF-670970-, pp 243-52)
  Reactions (^{3}He,t) on ^{7}Li and ^{9}Be from 2.0 to 4.2-MeV, 24:10932
ORIHARA, Hikonojo Levels of ^{117}In from the ^{116}Cd(^{3}He,d)^{117}In reaction, 25:39027
  Nuclear structure study of ^{141}Pr and ^{143}Pm, 24:20403
  Production of the ^{3}He^{2+} ion by an rf ion source, 22:5066
  Reaction (^{3}He,α) on ^{7}Li from 5.0 to 8.0 MeV, 25:5571
ORIHOOD, Glenn M. Fire detection systems in gloveboxes, 25:54955 (CONF-710401-, pp 221-36)
ORII, Hirotake Sulfhydryl content of rat ascites hepatomas with different sensitivity to x rays and N mustard N-oxide, 22:31272
O'RIORDAN, J. L. H. Immunological reactivity of purified human parathyroid hormone, 24:4576
  Theoretical aspects of saturation and radioimmunoassay, 23:11946 (CONF-671111-, pp 59-100)
O'RIORDAN, M. C. Low-energy x-ray shielding with common materials, 23:44488
  Radiation hazards in veterinary practice, 25:44820
  X rays from color television receivers in Britain, 25:13452
O'RIORDAN, Michael C. Occupational exposure to x rays in veterinary practices, 22:45514
  X-ray hazards in practices, 25:24126
ORISA, B. D. Radiation from an electric charge moving along a spiral path in a transparent medium, 25:56462
ORISAKA, Hojun Effect of vitamin B6 on radiation injury, 22:6850
ORISHEVA, R. M. Radiolysis of aqueous solutions of [Co en_2F_2]NO_3, 22:33422
ORISHICH, T. I. Influence of natural aerosols on the content of charged particles in the atmosphere, 25:47437
ORITA, Kunzo Demonstration of genetic disparity by mixed cultures of allogeneic mouse lymph node cells, 22:36170
ORITO, S. Charged-π photoproduction at 180° in energy range between 300 and 1200 MeV, 25:40859
  Search for quarks, 23:23323
ORITO, Shuji Polarization of Λ-hyperons in the reaction $\gamma p \rightarrow K^+ \Lambda$, 24:21909 (INSJ-113)
ORKILD, P. P. Guidebook for field trips to Nevada Test Site, 23:21806 (NTS-79)
ORKILD, Paul P. Earthquakes, surface fracturing, and strain associated with underground nuclear explosions at Yucca Flat, 25:6442 (USGS-474-94)
  Exploration progress, Pahute Mesa, 7/31/66—1/31/68, 24:18872 (USGS-474-63)
  Prog. rpt. on exploration, Pahute Mesa, 7/66—1/68, 23:9538 (TID-24290)
  Report of exploration progress, Pahute Mesa, January 31, 1968—October 1, 1969, 24:46338 (USGS-474-70)
ORKIN, Milton Acquired lymphangioma (lymphangiectasis), 24:42005
ORKIN-LECOURTOIS, A. Quasi-elastic events of CERN bubble chamber neutrino experiment and determination of axial form factor, 21:40140
ORLANDI, G. Pade approximants and inner projections in the Brillouin—Wigner perturbation scheme for He-like ions, 24:37208
ORLANDINI, A. Control in real time by means of IBM 1800 tables of measurement for bubble chamber photograms, 23:50168 (NP-17995)
ORLANDINI, F. Electrode reaction of Pu and U ions in carbonate solutions, 24:46188
ORLANDINI, I. Contribution to the study of the influence of β-methasone-17-valerate on irradiated skin, 22:33852
  Study on cortisone protection of irradiated skin, 22:33867
ORLANDINI, K. A. Anion-exchange behavior of transplutonium elements and lanthanides in hydrochloric acid-organic solvent mixtures, 22:21153 (ANL-7415)
  Anion-exchange separation of neptunium from uranium and thorium in basic solution, 25:10655 (ANL-7751)
  Cation exchange separation of scandium from rare earths in oxalic acid media, 23:24280
  Cation exchange separation of thorium from rare earths, 23:398
  Cation-exchange separation of Hf and Zr from accompanying ions, 23:19857
  Cation-exchange separation of scandium from the rare-earth elements, 23:4721
  Cation-exchange separations in organic solvent-dithizone media, 23:4736
  Selective cation exchange separation of carrier-free ^{137}Cs and ^{22}Na, 22:30668
  Separation of milligram quantities of americium and curium by extraction chromatography, 22:25480
  Separation of traces of metal ions from sodium matrices, 22:23086 (ANL-7421)
  Separation of uranium from its fission products by combined ion exchange-solvent extraction, 22:21152 (ANL-7401)
ORLANDINI, Kent A. Selective ion-exchange separation of alkali metals, 25:26337
  Separation of scandium from rare earth elements, 25:26338

- ORLANDO, C. A. TSH—^{131}I: distribution in normal and hypothyroid rats, 22:51374
- ORLANDO, G. Analysis of co-variance in studies of radioactive contamination, 25:52059
  - Determination of the radioactive contamination of fodder in relation to atmospheric precipitations, 23:26779
  - Fallout in relation to pregnancy, 23:43669
- ORLANDO DE LA TEJA ANGELES, Carlos EPR of irradiated seeds of Dahlia coccinea, 25:11305 (NP-18394)
- ORLANS, Eva Normal immune responses of bursaless chickens to a secondary antigenic stimulus, 22:40534
- ORLENKO, N. I. Calculation of the bulk buildup factor of extensive γ sources with energy e less than or equal to 0.5 MeV, 25:45532
  - One-group method for calculating dose fields from sources of γ-radiation with complex spectrum, 25:36265
- ORLENKO, P. A. Universal nomograms for calculating absorbed doses from plane radiators, 25:2566
- ORLIANSKAYA, R. L. Incorporation of ^{32}P into proteins of blood serum and into liver and brain of rats irradiated with high-energy protons, 22:52001
- ORLIC, Donald Use of ^{55}Fe in high-resolution radioautography of developing red cells, 22:51852
- ORLINSKII, D. V. Formation and confinement of straight plasma, 24:49112
  - Influence of interelectrode distance on stability of straight pinch, 22:46135 (IAE-1486)
  - Influence of interelectrode distance on the stability of straight pinch in a quadruple high-frequency field, 23:8595 (AEC-tr-7003)
  - Utilization of MHz-band electromagnetic waves for stabilization and confinement of plasma, 23:34451 (CONF-680113-(Vol.4), pp 1147-72)
- ORLOB, Gert B. Survival of micro-organisms in space, 22:33988
  - Survival of micro-organisms in space, 23:26963
  - Survival of tobacco mosaic virus in space, 23:26969
- ORLOFF, George Improvements in remote handling apparatus, 23:11698
- ORLOFF, J. Elastic scattering of ^{16}O by ^{48}Ti, ^{40}Ca, ^{27}Al, ^{12}C, ^{7}Li, and ^{6}Li, 25:28196
- ORLOFF, M. K. Electron spin resonance study of triplet states. I, 21:27963
- ORLOV, A. F. Electrophysical properties of niobium films produced and annealed in a very high vacuum, 25:55507
  - Production of Nb films in very high vacuum, 24:17238
- ORLOV, A. G. Effect of the successive appearance of the spectral lines of molybdenum with different excitation potentials, 22:6280
- ORLOV, A. I. Effect of a very-high-frequency field on the plasma characteristics of the negative glow of a glow discharge in helium, 22:46175
  - Mechanism for determining the electron energy distribution function in plasma of negative luminescence glow discharge, 25:7369
- ORLOV, A. K. Effect of rf asymmetric oscillations in storage ring cavity on beam transverse motion stability, 23:46873
- ORLOV, A. N. Use of electronic computers to calculate radiation disturbances in metals, 21:13204 (AD-644051)
- ORLOV, A. S. Modifications in construction and study of physical characteristics of IRT-2000 reactor, 22:16297 (JPRS-43924)
  - Soft x-irradiation influence on the content and biosynthesis of DNA in tissues of mice, 21:22333
- ORLOV, B. N. Computer programming system based on Hauser—Feshbach theory, 23:42968
  - Elastic and inelastic proton scattering on ^{23}Na, 24:18393
  - Elastic and inelastic scattering of 6-MeV protons on ^{59}Co and the excited-core model, 23:19213
  - Elastic and inelastic scattering of 6 MeV protons, 24:35852
  - Inelastic scattering of protons on ^{27}Al at energies near 6 MeV, 21:44617
  - Model of excited nuclear core and the properties of nuclear levels of ^{27}Al, 22:39615
  - Proton scattering on ^{24}Mg, ^{25}Mg, and ^{26}Mg, 25:28264
  - Radiation stability of silicon detectors during irradiation with 2.3-MeV protons, 22:2477
  - Scattering of 6-MeV protons on Ni isotopes, 24:8874
  - Sector-type magnetic spectrograph for investigating the energy and angular distributions of nuclear reaction products, 21:28248
- ORLOV, I. I. Higher partial waves in low energy $\pi\pi$-scattering, 21:31586
  - Representation for partial amplitudes and solution of the neutral model of the $\pi\pi$ scattering, 22:5571
  - Resonance solutions for higher partial waves in the π—π scattering, 21:44353
  - Sum rules for $\pi\pi$ and πN scattering, 22:1432
- ORLOV, K. V. Interaction of sodium chloride with dysprosium and gadolinium chlorides, 22:6297
  - Melt diagram for a mixture of rare earth elements and sodium chloride, 21:42956
  - Reactions of sodium chloride with dysprosium and gadolinium chlorides, 21:42953
- ORLOV, L. G. Lamellar structure of molybdenum, 21:20524
- ORLOV, L. K. Instability theory of spatially separated plasma beams, 25:33305
- ORLOV, M. Ya. Analysis of the spectrum of μ Cephei in the lambdalambda 6600 to 4250 A region, 21:11366
  - Atmospheres of beta Canis Majoris stars. I, 22:45888
  - Atmospheres of Beta Canis Majoris stars. II, 23:5127
  - Composition of atmospheres of Type-M supergiants, 25:19323
  - Variations in the circumstellar envelope of the M supergiant α Orionis, 22:52455
- ORLOV, M. Yu. Doppler effect in ^{238}U in shield of uranium oxide reactor BR-1, 22:7920 (ANL-Trans-540)
  - Investigation of Doppler effect in ^{238}U in oxide blanket of BR-1 reactor, 22:35640
  - Neutron propagation in U dioxide. I, 22:53425
  - Neutron propagation in U dioxide. II, 23:1765
  - Research in reactor physics by time-of-flight method, 21:34165
- ORLOV, N. F. Absorption centers forming at low temperature in certain glasses of simple composition, 25:17270 (BNWL-tr-62)
  - Effect of gamma-neutron radiation on some physicochemical properties of glasses, 22:12348
  - Influence of temperature of irradiation on radiation yield of Mn^{3+} ions in phosphate glasses, 25:39547
  - Investigation of scintillation characteristics of lithium glasses by detection of neutron, β, and γ radiation, 22:33644
  - Radiation effects on inorganic glass, 22:35837
  - Radiation yield of Mn^{+3} in dosimetric glasses, 25:42163
- ORLOV, N. I. Experiment to check a hypothesis on the antimatter nature of meteor streams, 21:34996
- ORLOV, P. P. Effect of throttling on efficiency of Rankine cycle with MHD generators, 22:52574
- ORLOV, R. A. High-stability nanosecond coincidence circuit for slow NaI(Tl) scintillators, 25:48909
  - Stabilized high-voltage source for exciting photomultipliers, 22:47421
- ORLOV, R. Yu. Control of laser pulse length with a KPD crystal, 25:51337 (SC-T-713057)
- ORLOV, V. Fuel utilization efficiency in fast power reactors, 25:48279
  - New corrosion resistant materials for hydrochloric acid solutions, 24:39608
- ORLOV, V. M. Acute radiation affection of the hands, 24:23227
  - Case of acute radiation lesions of the hands during work with an electron accelerator, 23:16429
  - Determination of ^{90}Sr in waters of Indian Ocean, 1962, 22:23178 (A-AC-82/G/L-1177)
  - Strontium-90 in Indian Ocean, 25:15471 (AEC-tr-7214, pp 220-6)
- ORLOV, V. N. About the relation of recrystallization kinetics with the relaxation of tensions in metals, 21:22867 (AD-639555)
  - Gamma-ray reflection method for determination of Fe in underground boreholes, 21:41000 (AEC-tr-6904)
- ORLOV, V. P. P- and T-parity violations in resonance scattering of γ radiation, 23:27839
- ORLOV, V. S. Mechanism of radiation generation in cadmium sulfide by electron beam excitation, 22:15376
  - Mechanism of the generation of radiation in electron-excited cadmium sulfide, 22:41694
- ORLOV, V. V. Analysis of uranium burn-up and plutonium build-up in fast reactors, 25:60095 (IAEA-R-742-F)
  - Atomic power plant with BN-600 reactor, 23:15577
  - Atomic power station BN-600, 23:13371 (JPRS-46747, pp 14-24)
  - Basic principles for selecting regulating organs for fast power reactors, 23:52330 (JPRS-48331, pp 301-42)
  - BN-350 atomic power plant, 23:52429 (JPRS-48330, pp 123-50)
  - BN-350 nuclear power plant, 23:47287
  - Designing a large fast power reactor, 23:47176
  - Development of atomic power plants with fast breeder reactors in the soviet union, 23:13370 (JPRS-46747, pp 1-13)
  - Development of fast reactors in USSR, 23:15612
  - Diffusion of neutrons in a polarizing medium, 21:33860 (AEC-tr-6719, pp 29-43)
  - Double spectrometer of slow neutrons DIN-1, 23:22056 (FEI-129)
  - Effectiveness of fuel utilization in fast power reactors, 25:34384 (JPRS-53069, pp 147-55)
  - Efficient utilization of fuel in nuclear fast power reactors, 25:54135 (A/CONF.49/P-709)
  - Experience gained from operation of BR-5 reactor, 1964-5, 22:18571
  - Experience in fast reactor operation and design in USSR, 25:54136 (A/CONF.49/P-750)
  - Experimental investigation of 1- to 2-MeV neutron resonance scattering on iron nuclei, 22:11924
  - Experimental investigation of the resonance scattering of 1 to 2 MeV neutrons on Fe nuclei, 21:17326
  - Fast-reactor physics work on BR-1, IBR, and BFS reactors, 23:52411 (JPRS-48331, pp 199-257)
  - Measurement of reactor absorption cross section of isotopes ^{154}Gd and ^{156}Gd, 21:30019
  - Nuclear power plant with BN-350 Reactor, 22:7828
  - Nuclear power station BN-350, 23:11078 (AEC-tr-6975)
  - Optimization of fast reactors taking thermal, strength, and physical characteristics into account, 23:52312 (JPRS-48331, pp 438-55)
  - Optimization of nuclear reactor shielding characteristics on the basis of variational methods, 23:13474 (AERE-R-5773(Vol.4), pp 1098-1123)
  - Optimization study of fast reactors, 25:60217
  - Optimizing the physical characteristics of radiation shielding, 21:21031
  - Optimum structure for radiation shielding in a reactor vessel, 21:21038
  - Physical interpretation of the theorem on the integral of reactivity, 24:43847
  - Physical problems in developing fast power reactors, 21:15711
  - Problems in reactor shielding physics, 21:33509 (NASA-TT-F-411)
  - Problems of the construction of a high powered fast reactor, 22:32736 (ANL-Trans-588)
  - Safe operation of BR-5 plant, 22:53441
  - Safety problems concerning operation of BR.5 reactor, 22:30331
  - Selecting control elements for fast power reactors, 23:43119
- ORLOV, Vladimir First Soviet experimental power plant with MHD generator now operational, 22:11293
  - Soviet experimental power plant with a magnetohydrodynamic generator, 22:1033 (JPRS-42454)
- ORLOV, Yu. F. Effect of the composition of organophosphorus compounds on the extraction of cerous nitrate, 21:8412
  - Effect of the composition of organophosphorus compounds on the extraction of cerous nitrate, 21:12512
  - Fundamental properties of non-linear focusing, 21:29767
  - Quantum depolarization of electrons in a magnetic field, 21:29782
  - The combined resonances induced by the cross components of the high-frequency accelerating field in circular accelerators and storage rings, 23:3882
- ORLOV, Yu. I. Focusing properties of semi-confined linear plasma layer in the case of an internal source, 22:41584
  - Heat conduction of a Laminar layer of liquid metal, 21:43137
  - Heat conductivity of the boundary layer of liquid-metal coolant currents, 21:41112
  - Refraction and focusing of spherical electromagnetic wave incident to a weakly nonuniform parabolic plasma layer, 21:18718
  - Turbulent flow of liquid—metal coolant, 21:25640 (ANL-Trans-425)
- ORLOV, Yu. L. Determination of the impurities and investigation on their distribution in diamond crystals of various deposits using neutron activation analysis, 21:38887
  - Isotopic composition of diamond crystals and carbonado, 21:8443
- ORLOV, Yu. V. Angular distribution of flux and intensity from gamma-ray scattering by shielding, 24:26292
  - Applicability of the elastic approximation under consideration of the interaction in the initial and final states, 23:34812
  - Back-scattering of neutrons by Al, Ti, graphite, and polyethylene, 24:45304
  - Calculating three-ray apical parts, 22:35401
  - Calculation of three-body model vertex part $^{3}H \rightarrow n + d$, 25:28047
  - Energy distribution of fast neutrons outside reactor shields, 23:39526
  - Fast neutron spectra penetration in various materials of nuclear reactor shielding, 24:36015
  - Research on reactor water loop, 21:21783
  - Titanium removal cross section for a layer in hydrogen-containing medium, 21:21037
  - Vertex parts of direct nuclear reaction diagrams in a potential model, 21:2793
  - Virtual scattering effects in direct nuclear reactions, 21:4363
- ORLOVA, A. V. Natural radioelements in surface and soil—subsoil waters, 22:25509
- ORLOVA, E. I. Protection of ground waters from radioactive contamination, 23:35324
- ORLOVA, I. G. Deformation of fine-grained ZrO_2, 24:1085
  - Kinetics and deformation mechanism of highly refractory oxides, 23:39025
- ORLOVA, I. M. Uranyl acetothiocyanate complexes, 23:33175
- ORLOVA, K. B. Determination of nitrogen in titanium by an isotope-dilution method, 21:1297
  - Determination of O and N in metals using fluxes enriched with ^{18}O and ^{15}N isotopes, 25:41748
- ORLOVA, L. N. Determination of Mn(II), Ce(III), and V(IV), 24:16420
- ORLOVA, L. V. Influence of certain compounds on radiosensitivity of animals, 22:25863
  - Modifying action of serum proteins on radiation injury of erythrocytes, 21:36664
  - Relationship between radiation and fermentative damage to the erythrocyte membrane of adult and newborn rats, 21:6668
- ORLOVA, M. M. Complex formation of uranyl ion with sulfite ion, 22:12303
  - Uranyl oxalate sulfite complexes, 22:10256
- ORLOVA, N. M. Determination of hydrogen in metals with high sorption capacity, 22:19534
- ORLOVA, O. A. Possibility of heavy ion acceleration in interaction of high energy nucleons with nuclei, 25:50718 (JINR-E7-5887)
- ORLOVA, T. A. Activation of lysine under action of lysyl-tRNA synthetase from livers of rats subjected to whole-body x irradiation, 25:44766
  - Effects of ionizing radiation on the activation of lysine and aminoacylation of tRNA by lysyl-tRNA-synthetase from rat liver, 24:11946
- ORLOVA, T. V. Coulomb stripping in wide energy range of emitted protons, 24:33132
  - Mechanism of emission border formation in filaments, 21:41703 (NASA-TT-F-455, pp 43-7)
  - Reaction ^{54}Cr(d,p)^{55}Cr at deuteron energies 12 and 6.8 MeV, 22:13984
  - Study of ^{28}Al nucleus level by means of stripping reaction ^{27}Al(d,p)^{28}Al, 23:25855
- ORLOW, Yu. F. Instability of the motion of particles in a synchrotron for high frequencies of the accelerating field, 25:9934
- ORLOWSKA-SAWIONEK, Irena Effect of uv rays on the cellular response determined by Rebuck method, 23:2975
- ORLOWSKI, S. Assembly of fuel elements for nuclear reactors, 22:20866
- ORLOWSKI, Serge Assembly of fuel elements for nuclear reactors, 24:47989
- ORLYANSKAYA, R. L. Change in the protein fractions of rabbit serum on chronic administration of ^{65}Zn, 25:21878
  - Changes in carbohydrate metabolism and the serum protein fractions during prolonged administration of ^{59}Fe, 22:21602
  - Changes in carbohydrate metabolism following administration of ^{65}Zn, 25:21877
  - Combination of thorium with blood constituents, 24:44410

Distribution of ^{35}S in protein of structural elements in liver cells of rats exposed to chronic treatment with radioactive sulfate, 22:12807
Distribution of Th in liver of rats, 22:51371
Distribution of Th in rats' bones, 23:47940
Effect of immunization on the ratio of rabbit serum protein fractions following chronic administration of ^{65}Zn, 25:21879
Importance of biochemical investigations in radiation lesions in man, 25:32460
ORLYUK, A. P. Induction of mutations in alternative barley in connection with the type of development, 25:52036
ORMAI, S. Biological effects of uv-radiation generated within the living organism, 22:51882
ORMAN, E. Hoyle—Narlikar quantisation of Wheeler—Feynman electrodynamics, 24:17613
ORMAN, P. R. Search for high-energy gamma rays from CP 1133, 23:5137
Time jitter due to noise in timing systems, 25:10808 (AERE-R-5561)
ORMAN, S. Corrosion and protection of uranium, 23:24796
Ductile—brittle transition of uranium, 23:36123 (AWRE-O-21/69)
Effects of hydrogen on the tensile properties of uranium, 24:4786
Embrittlement of U by H_2O and hydrogen, 24:27787
Influence of pH on U—H_2O reaction, 22:12961 (AWRE-O-44/65)
Low temperature tensile properties of uranium, 23:51046
Mechanical properties of U. I, 24:4775
Mechanical properties of U. II, 24:4781
Products and mechanism of U—H_2O and UH_3—H_2O reaction, 22:12268 (AWRE-O-45/65)
Rapid test for stress-corrosion cracking, 24:4720
Uranium compatability studies. VII, 22:14471 (AWRE-O-54/65)
Uranium compatibility studies. IV, 22:15138 (AWRE-O-9/65)
Uranium oxides formed in air and water, 24:14656
ORME, Ann Heredity, environment, learning, and the brain, 21:4430 (UCRL-16806, pp 34-8)
ORME, J. T. Transformation kinetics of the α—β and delta—α transitions in pure and alloyed Pu, 21:32907
ORME, S. Kirby Postradiation carcinoma of male breast bilaterally, 22:15107
ORMEROD, Leslie Roy Extrusion of composite bodies, 22:8716
Improvements in or relating to the extrusion of composite bodies, 23:14317
ORMEROD, M. G. Chemical study of radiosensitization of Micrococcus sodonensis by iodine compounds, 22:4713
DNA strand breakage in cells irradiated with x-rays, 23:33628
Double-strand breaks in DNA of mammalian cell after x-irradiation, 25:18911
Electron reactions in γ-irradiated thymidine and cystamine, 24:19017
Formation of the thymine radical in irradiated DNA, 23:2765
Free radical reactions in cyclohexane irradiated at 77°K, 23:19762
Pyridine co-enzymes as electron scavengers in irradiated dry proteins, 21:378
Radiation damage in single crystals of cysteine, 23:35237
Radiosensitization of Micrococcus sodonensis by N-ethyl maleimide, 23:38900
Reaction of hydrogen sulphide and hydrogen iodide with free radicals in irradiated dry deoxyribonucleic acid, 22:25759
Rejoining of x-radioinduced breaks in DNA of murine lymphoma cell, 25:32589
Repair of DNA and the mode of action of sensitizers and protectors in biological systems of different complexity, 25:4536
Replication of DNA in murine lymphoma cells. I, 24:48407
ORMES, J. F. Calibration of NASA—GSFC High Energy Cosmic Ray Experiment, 25:55046 (N-71-16750)
Cherenkov-scintillation counter measurements of nuclei heavier than He in the primary cosmic radiation. I, 22:5161
Energy spectra of cosmic ray helium and heavy nuclei, 24:8368
Geometrical factor determination using a Monte Carlo approach, 25:37599
Large area high resolution cosmic ray charge composition detector, 24:27407 (N-70-23260)
Large area high resolution cosmic ray charge composition detector, 24:39362
Measurements of cosmic-ray Li, Be, and B nuclei, 23:18461
Method of measuring the cosmic ray charge composition between 10^{10} and 10^{14} eV, 22:40412
Nuclei heavier than Fe in primary cosmic radiation, 21:43838 (N-67-22876)
Observations on nuclei heavier than iron in the primary cosmic radiation, 21:20799
Observations on the abundance of nitrogen in the primary cosmic radiation, 23:51407
Proton and He nuclei cosmic-ray spectra and modulations between 100 and 2000 MeV/nucleon, 22:36772
Relative energy spectra of carbon and oxygen nuclei in the primary cosmic radiation, 23:18462
Upper limit on quiet time solar neutron flux at energies > 60 MeV, 21:31333
ORMES, Jonathan F. Cosmic ray spectra and modulations between 100 and 2000 MeV/nucleon, 22:45975
Proton and helium nuclei cosmic ray spectra, 22:38823 (N-68-16723)
ORMONDE, S. Autoionizing D states in He below the n = 2 level of He$^+$, 21:31235
Comparison of the calculated and observed resonances in the e—H elastic-scattering channel above 10.0 eV, 23:34278
Low-energy electron scattering by atomic H. I, 22:9002
Low-energy electron scattering by atomic H. III, 22:8999
Low-energy scattering of electrons by helium, 23:32188
ORMONDE, Stephan Electron-impact excitation of 2S state and autoionization in He$^+$, 22:2783
ORMOS, Gyorgy Determination of some trace contaminants in high purity gallium and gallium arsenide by neutron activation analysis, 21:42878
ORMROD, J. H. Charge-equilibrium fractions and charge-exchange cross sections for fast ions in nitrogen and argon, 25:35866
Electronic stopping cross sections of deuterons in titanium, 25:50271
Longitudinal space-charge effects in bunchers, 23:19044 (BNL-50120(Pt.1), pp 346-52)
Low-energy electronic stopping cross sections in nitrogen and argon, 22:26225
ORMROD, John H. Beam scanner, 23:42825
Test particles in an argon plasma, 21:33394 (AECL-2669)
ORMSBY, P. L. Attenuation of 4 MV x rays in barytes concrete, 22:29536
Graphical method for production of isodose curves, 23:9959
ORNATSKAYA, O. I. Thermal history of the moon, 21:33285
ORNDOFF, J. D. Neutronics of the PHOEBUS 2 reactor, 24:7252
Operating procedures for the Pajarito Site critical assembly facility, 23:28559 (LA-4037)
Safety analysis for the Los Alamos Critical-Assembly Facility, 24:5548 (LA-4273)
ORNDOFF, John D. Fission distribution techniques for Rover reactors, 22:25065 (LA-DC-9412)
ORNDORFF, R. M. Radiation hardened sampled data system, 21:6387
ORNELAS, Joseph R. Neutron damage to silicon solar cells, 23:26627 (AD-676976)
ORNELAS, Lawrence D. Rotated mercury cell for controlled potential coulometry. Elimination of background current by digital normalization, 25:54427
ORNELLAS, Donald L. Heat and products of detonation of HMX, TNT, NM, and FEFO, 21:35825 (UCRL-70444)
ORNSTEIN, L. Th. M. Diamagnetic plasma injection into a magnetic cusp, 21:18620 (NP-16612)
FREMIX: a high-power 8-GHz plasma heating experiment, 25:30456 (EUR-4593, pp 551-6)
Microwave diagnostic methods applied to Jutphaas injection experiment, 21:18641 (NP-16588)
Properties of a toroidal screw pinch, 23:32394
ORNSTEIN, Michael H. Measured absolute cross sections for K* + Rb collisional excitation transfer, 23:20706
ORO, F. Tritium fractionation in water-carbide to benzene reaction, 25:54735
ORO, J. Organic analysis of the Pueblito de Allende meteorite, 24:46824
OROGUCHI, Takashige Dip-bump structure of cross section and urbaryon rearrangement. II, 25:12219
Exotic resonances, urbaryon rearrangement and hadron structure, 25:12183
Hadron reactions and urbaryon rearrangement. I, 25:53149
Rearrangement of urbaryon lines and forces between composite hadrons, 24:49434
ORON, M. Conditioning and performance of an on-line isotope separator assembly for fission yield measurements of very short-lived nuclides, 25:44509 (BMBW-FBK-70-28, pp 87-98)
Vacuum system of Soreq on-line isotope separator, 24:14239
OROPEZA, Ruben Effects of irradiation (external and internal) on lymphatic dynamics, 21:20356
Intralymphatic administration of radioisotopes for malignant melanoma, 21:22507
Treatment of cancerous effusion, 21:18088
O'RORKE, E. W. Gas-cooled reactor development in the United States, 25:39133 (A/CONF.49/P-833)
O'ROURKE, J. A. Elastic properties of some transition metal monocarbide cubes, 22:49830
Graphitisation of polyfurfuryl alcohol, 22:28900
Pyrolytic carbons deposited in fluidized beds at 1200 to 1400°C from various hydrocarbons, 23:8263
OROZCO, A. Directions of approach of cosmic rays for high-latitude stations, 23:39349
ORPEN, Gail X- and γ-irradiation of dilute solutions of chymotrypsin, 23:29382
X- and γ-irradiation of dilute solutions of chymotrypsin, 23:35647
ORPHAL, D. L. Analysis of seismic data, Milrow event, 24:33813 (NVO-1163-209)
Cavity formed by a contained underground nuclear detonation, 24:22827 (NVO-1163-TM-15)
Predictions of seismic motion and close-in effects: Rulsion event, 23:49976 (NVO-1163-180)
ORPHAN, V. Prog. rpt. on lattice physics studies, 1—3/67, 21:30138 (GA-7934)
ORPHAN, V. J. A pair spectrometer using a large coaxial lithium-drifted germanium detector, 21:32466
Determination of (n,γ) reaction Q-values from capture γ-ray spectra, 23:21284
Epithermal-neutron capture gamma rays from shield materials: depleted uranium, 25:5776
Facility for measuring cross sections of (n,xγ) reactions using an electron linac, 23:44769
Gamma-ray production cross sections measured with a LINAC, 23:3872
Gamma-ray production cross sections for the ^{16}O(n,xγ) reaction from 6.35- to 16.52-MeV neutron energy, 25:12406
Germanium(Li) spectrometer for studying neutron capture gamma rays, 21:12665
High-resolution (n,xγ) cross-section measurements using Linac, 25:5657
Measurement of gamma-ray production cross sections using a LINAC, 23:5912
Measurement of gamma-ray production cross sections for nitrogen and oxygen, 23:49322 (AD-689388)
Measurements of nuclear data for shielding using a LINAC, 24:6579
Measurements of nuclear data for shielding, 25:33359 (ANS-SD-11, Paper 5)
Nearly monoenergetic source of 6.129 MeV gamma rays for Ge(Li) detector calibration, 24:4440
Neutron capture gamma ray facility, 23:38308
Neutron capture gamma ray facility using an electron linear accelerator, 23:21182 (GA-9221)
Thermal-neutron capture gamma-ray spectra of zirconium and niobium, 21:38315
ORPHAN, Victor John Study of thermal neutron capture gamma rays using a lithium-drifted germanium spectrometer, 21:34463 (AD-649805)
ORPHANIDIS, P. S. Possibilities of integrated control of Dacus oleae, 25:29740
ORR, A. H. Radioimmunoassay between human chorionic gonadotrophin and plasma, 24:29621
ORR, A. Hilary Radioimmunoassay measurement of luteinizing hormone excretion rates following bilateral oophorectomy, 24:27490
ORR, Charles H. Computers in analytical chemistry. 1968 Eastern analytical symposium, New York, N. Y., November 13—15, 1968, 25:2060
ORR, Clyde Jr. Radiant heat transfer to particle-seeded gases for application to nuclear rocket engine design, 22:35570 (N-68-10561)
Specific surface area by low-pressure permeametry, 21:26808
ORR, D. Equatorial geomagnetic micropulsations, 24:23877
ORR, David Variation of Pi 2 micropulsation waveform with time, 23:51476
ORR, Howard Excretion of orally administered ^{65}Zn by the rat in laboratory and field, 21:6413
ORR, Howard D. Prog. rpt. on effect of irradiation on behavior of small mammals, annual, 9/67, 22:14979 (COO-1406-2)
ORR, J. R. Search for decay K/sub S/° $\rightarrow$ $\mu^+\mu^-$, 23:18794
Search for decay K/sub S/° $\rightarrow$ $\pi^+\pi^-\pi^0$, 25:25291 (COO-1195-209)
Test of Δ S = Δ Q selection rule in K/sub μ 3/° decay, 25:25290 (COO-1195-208)
Test of ΔS = ΔQ selection rule in K/sub 3/° decay, 25:25292 (COO-1195-210)
ORR, J. S. Assessment of rat thyroid as a radiobiological model, 24:19354
Dose distribution from ^{131}I in the thyroid gland, 24:48385
Dose gradient vectors in 4 MV x-ray treatment planning, 23:9954
Effects of computers on radiotherapy, 24:31996
Estimation of thyroid iodine content by the occupancy principle, 23:33166
Method for estimating thyroxine secretion rate, 25:15987
Occupancy principle for radioactive tracers in steady-state biological systems, 23:2798
Prediction of dose due to an internal radioisotope by application of the occupancy principle, 24:11897
Progress in optimization by score functions, 24:31991
Role of chalone in the control of the bone marrow stem cell population, 24:36821
Role of chalone in the control of the bone marrow stem cell population, 25:16325
Survivals of rat thyroid cells after ^{131}I, ^{125}I, and x irradiations, 24:51073
ORR, John Richie Magnetic moment of the Σ^+ hyperon, 21:2479
ORR, P. B. Final purification of the heavy actinides from the first four campaigns of the TRU program, 22:14517 (ORNL-TM-2083)
ORR, R. Three body decays of neutral K mesons, 24:40240 (COO-1195-187)
ORR, R. G. Blood counts on radiation, non-radiation and new-entry employees, 23:6596 (AERE-R-5766)
Over-irradiation of research worker's hand, 24:7897
ORR, R. S. Theoretical analysis of model spherical vessel, 23:11215
ORR, Rollin, S. Thermal neutron irradiation of cotton, 21:11328
ORR, W. L. Nuclear performance of the Saxton partial Pu core, 23:37427
Nuclear-fueled thermionic converter experiments, 22:48992
Physics development for plutonium utilisation in pressurised water reactors, 22:22769
PuO_2—UO_2 fueled critical experiments, 21:38672 (WCAP-3726-1)
ORRALL, F. Q. Chromospheric spectrum at the 1962 eclipse, 22:38690
Neutral neon in the visible solar spectrum, 24:8289
ORRALL, Frank Q. Spectrum of inner corona during eclipse of May 30, 1965, 25:19410
White-light events as photospheric flares, 25:11619
ORRE, B. Alpha—gamma angular correlation and hyperfine interaction in decay of ^{249}Cf, 24:26643 (UUIP-651)
Alpha—gamma angular correlation in decay of ^{224}Ra, 24:49903
Automatic system for angular correlation measurements, 24:25330 (UUIP-673)
Automatic system for angular correlation measurements, 24:36582
Computer program for calculation of decoupling curves, 24:27402
Decay of ^{249}Cf, 25:20398
Perturbations of α—γ angular correlation in decay of ^{226}Ra, 24:28782 (UUIP-660)

Table of perturbation coefficients for a free hyperfine interaction in a parallel external magnetic field, 25:22354 (UUIP-690)
ORRELL, Brendan Nuclear reactor fuel elements, 22:8290
ORRELL, N. G. Beryllium powder forging, 21:41571
ORREN, M. J. Determination of ^{210}Po and ^{210}Pb in seawater, 25:2112
Polonium-210 and ^{210}Pb in the marine environment, 24:36182
ORRICK, B. D. Liquid He scintillation counter of large volume, 24:11815
Versatile liquid helium scintillation counter of large volume design, 24:7650 (N-69-38182)
ORSELLO, S. A new ^{32}P-labeled radiocolloid: mechanism of formation and biological behavior, 21:24345
Effects of continuous exposure to radioactive ^{32}P, 23:50534
Remote apparatus for the analytical control of EUREX reprocessing plant, 23:33296 (RT/CHI-(68)36)
ORSENIGO, G. Italian progress report on reprocessing of irradiated fuel. I and II, 25:51549 (A/CONF.49/P-182)
Plant at Rotondella for the recycling of fuels, 22:6428
Prog. rpt. on PCUT program, 1966, 21:22014 (RT/ING-(66)18)
Reprocessing of U/Th fuel for high temperature gas cooled power reactors, 25:212 (DP-Report-424)
Reprocessing of uranium—thorium fuel for high-temperature gas-cooled power reactors, 22:23092 (CONF-660524-, pp 617-45)
ORSENIGO, Giuseppe Italian reprocessing experiences, 24:16669
Requirements for recycle fuel from the PCUT nuclear fuel reprocessing and refabrication facility, 23:4148
ORSER, Lynn Thermoluminescence of lithium fluoride for various types and concentrations of dopants, 23:41072 (TID-25156)
ORSETTI, A. Application of two radio-immunological methods to the assessment of growth hormone, 25:4422
ORSHANSKAYA, Z. N. System of $ReOCl_4$—$WOCl_4$ and purification of rhenium oxytetrachloride by fractionation, 22:4899
ORSIER, G. Study of zirconium—copper clad fuel element for EL 4, 25:32687
Zirconium—copper alloys used in cladding fuel elements of heavy water-gas reactors, 25:32686
ORSINI, A. Pulmonary hemosiderosis in a 9-year old child with a trisomy 18, 25:4685
ORSINI, C. Q. Energy levels of ^{113}Sn and ^{123}Sn, 24:43425
ORSINO, A. J. Non-contacting dynamic seals for space power alternators, 22:8280
ORSTEN, G. S. F. New pulsating radio source, 22:43679
ORSZAG, S. A. Hydromagnetic shock waves and their infrared emission in H I regions, 22:21823
ORSZAG, Steven A. Approximate calculation of Kolmogorov—Obukhov constant, 21:11630 (PPL-AF-9)
Formulation of the theory of turbulence, 22:13318
Model equations for strong turbulence in a Vlasov plasma, 21:42144
Stochastic accelerations by strong electric fields, 24:1416
ORSZAGH, A. Influence of triphenyl-beta-styryl-methane and trimethyl-beta-styryl-lead on the polymerization of styrene, 21:23996
Kinetics of radiation induced solid state polymerization of N-substituted acrylamides, 21:24006
Radiation chemistry of polymers, 22:4213
ORSZAGH, Andrzej Effect of gamma-radiation on properties and structure of ethylene—propylene copolymers, 21:23935
ORSZAK, Peter Nuclear reactors, 24:38485
Nuclear reactors, 24:47990
ORT, M. Absorptiometric bone mineral determination using ^{153}Gd, 25:4649 (CONF-700515-, pp 308-12)
ORT, M. G. Determination of vertebral bone mineral in vivo, 24:50966 (COO-1422-79)
ORT, Michael G. Developments in the dichromatic attenuation technique for the determination of bone mineral content in vivo, 25:46368 (COO-1422-97)
Simultaneous measurement of x-ray quality and quantity using TLD, 23:41071 (COO-1105-151)
ORTABASI, Ugur Prog. rpt. on chemical structural studies by nuclear techniques, 3—11/66, 21:14437 (ORO-3345-2)
Prog. rpt. on chemical structural studies by nuclear techniques, annual, 3/68—2/69, 23:21681 (ORO-3345-4)
ORTEGA, Antonio Ramirez Calab and Ebro-Segre lignite uraniferous river basin, 21:32284
ORTEGA, J. Flow diagram for extraction for the reprocessing of MTR fuel, 23:47600
Nuclear energy in Spanish electric system, 25:53911 (A/CONF.49/P-729)
Spanish nuclear power program, 25:34260
Use of tartrates for separation of U(VI) and Pu(IV) by extraction with TBP, 22:6409
ORTEGA, J. M. Final rectification of heavy water, 24:29305
ORTEGA, M. Applications of mercury porosimeter using gamma radiation to pore's spectra localized measurement of heterogeneous carbon samples, 22:19176
Gamma-absorption porosimetric study of pore sizes of artifically densified graphite modified as a result of natural gas cracking, 24:21033 (ORNL-tr-2297)
Mercury porosimeter using absorption of gamma radiation from ^{137}Cs source. Pore's spectra of heterogeneous materials, 22:19175
Modification of pore size distribution of artificial graphites densified by cracking of natural gas, 23:9779
ORTEGA, Miguel Application of gamma-ray absorption to study of texture of porous solids, 22:21287 (CEA-R-3204)
Behavior of disperse fuels at high temperature with respect to the fission products, 21:45994 (CEA-Bib-86)
ORTEGA, O. J. Four years of operating experience with San Onofre technical specifications, 25:51015
San Onofre: PWR, 22:20856
ORTEGA, Orlando J. Engineering a saturated steam turbine performance test for the 450 MW San Onofre Nuclear Generating Station, 21:40633
San Onofre experience with apparent power mismatch, 24:16112
San Onofre startup, 22:25023
ORTEGA, R. F. Detection of trace impurities in stoichiometric spinel crystals by instrumental neutron activation analysis, 23:11459
Fuel-cycle evaluation criteria for an intermediate-power reactor, 25:28722
Neutron activation study of ancient pigments from murals of cholula and teotihuacan, 25:2133
ORTEGA, Ruben F. Neutron activation analysis of laser crystals, 24:171
ORTEGA ABELLAN, J. Preliminary data on the Pu(IV)—tartaric acid system, 24:29306
Use of saccharose in the concentration of liquid radioactive residues and in the recovery of fission products, 21:22024
ORTEGA MARTINEZ, Juan Miguel Report of the third international symposium on desalination of sea water, 25:51215
ORTEGO, J. D. Chemistry of U(IV). III, 21:34263
Chemistry of U(IV). IV, 22:12286
Chemistry of U(V), 24:16522
Electronic spectral studies of some U(V) compounds, 22:27651
Spectral studies of uranium(V) complexes, 24:9338
ORTEGO, James Dale Coordination chemistry of U(IV) and U(V), 23:6111
ORTENBERG, F. S. Probabilities of electron vibrational transitions in diatomic molecules, 21:23019
ORTENBERG, L. I. Comparison of calculated reactivity feedback with recent measurements in NERVA reactors, 22:6082
Estimation of reactivity worth of structures external to NERVA, 21:38636
ORTENBERG, M. V. Screened hydrogen-like impurity in a strong magnetic field, 24:18053
ORTENBURGER, Irene B. Improved statistical exchange approximation for inhomogeneous many-electron systems, 23:22903
ORTH, C. Search for fractionally charged particles in cosmic rays near sea level, 21:29449
ORTH, C. J. Average number of neutrons emitted in the spontaneous fission of some even—even heavy nuclides, 25:15037
Decay of ^{116}Sn and of 19-min and 12.4-day isomers of ^{116}Sb, 25:43924
Decay of ^{243}Am, 21:25558
Decay of ^{245}Pu, 22:9870
New short-lived americium beta emitters, 21:33973
ORTH, Charles Douglas Search for fractionally charged particles in cosmic rays, 25:14065
ORTH, Charles J. Study of V(III)—V(IV) and Ti(III)—Ti(IV) isotopic exchange reactions in acid solutions. Parts A and B, 23:26219 (LA-4147)
ORTH, D. A. Characterizing plutonium accumulations, 23:35276
Evaluation of centrifugal contactors, 23:35274
Process engineer's views [on implications of ANSI Criticality Safety Standard N16.1], 25:4287
ORTH, David N. ACTH radioimmunoassay, 23:11954 (CONF-671111-, pp 251-72)
ORTH, F. Earthquake protection for nuclear reactors, 25:54151 (A/CONF.49/P-672)
ORTH, Karlheinz Thermal design of reactor and operation of the Obrigheim nuclear power plant, 22:14185
ORTH, P. H. R. Annihilation of positrons in Ar. II, 23:32151
Annihilation of positrons in Ar. I, 23:32152
Electric field dependence of the annihilation rate of positrons in helium, 23:22891
Maximum likelihood technique for fitting counting distributions. I, 23:2724
Maximum likelihood technique for fitting counting distributions. II, 23:2721
Temperature dependence of the annihilation rate of positrons in argon gas, 22:52533
Time resolution and pulse shapes in zero crossover timing, 22:16955
ORTI, P. Fast neutron time-of-flight spectrometer used with the Karlsruhe isochronous cyclotron, 22:45330
ORTIN, N. Conservation of food by irradiation. IV, 22:40977 (JEN-175-SI/I-16)
Influence of irrigation rate and soil type on the vertical migration of Fe and Mn in soils of southeast Spain, 22:23157
ORTINS DE BETTENCOURT, A. Health, safety, and legal aspects of nuclear energy in radiation protection, 25:52091 (A/CONF.49/P-523)
ORTINS DE BETTENCOURT, Antonio Volatility of ruthenium during vitrification operations on fission products. II, 23:24140 (CEA-R-3663(2))
ORTIN SUNE, N. Economic impact of preservation of foods by irradiation, 23:26975 (CONF-670649-37)
Food preservation by irradiation. VII, 22:52062 (JEN-189-SI/I-18)
Food preservation by irradiation. VII, 23:38903 (N-68-36915)
Food preservation by irradiation. V, 23:43927 (ORNL-tr-2026)
Present status, future prospects, and potential economic impact of commercial preservation of food by irradiation, 23:45980 (ORNL-tr-2216).
Preservation of food by irradiation. V, 22:33995 (JEN-184-SI/I-17)
Preservation of food by irradiation. VII, 23:29920 (ORNL-tr-2142)
Preservation of food by irradiation. VI, 23:29916 (CONF-670649-27)
Preservation of foods by irradiation. V, 23:24777 (CONF-670649-33)
Radiation preservation of food. VI, 23:41515 (ORNL-tr-2160)
ORTIZ, Eddie Device for half-life measurements of high gamma rays emitters, 23:22090
Measurement of fluorescent radiation in various substances induced by radioisotope gamma ray sources, 24:14291 (PRNC-133)
ORTIZ, Eduardo Placental localization: comparative evaluation of isotopic placentography and amniography, 25:32498
ORTIZ, G. Lopez Spatial dependence in the measurement of the reactivity in a subcritical system, 22:26767
ORTIZ, J. J. Effects of α-deuterium substitution, polar substituents, temperature, and salts on the kinetics of hydrolysis of acetals and ortho esters, 25:41800
ORTIZ BERROCAL, J. Evaluation of hepatic gammagraphy with radioactive colloidal gold, 23:33751 (CONF-670649-3)
Morphological demonstration of spleen and kidneys with aceto-mercurihydroxypropane labeled with ^{197}Hg, 23:24677 (CONF-670649-16)
Study of the parasternal lymphatic ganglia by means of gammagraphy and subcutaneous injection of iodic contrasts, 23:24676 (CONF-670649-4)
Teaching of nuclear medicine, 23:31832 (CONF-670649-5)
ORTIZ FORNAGUERA, R. Numerical methods for reactor calculations, 25:26067
ORTIZ-ORTIZ, L. Synthesis of RNA by normal mouse spleen cells after stimulation with antigen in vitro, 23:29416
ORTIZ-QUEZADA, F. Use of a 10-channel linear scanner in the differential diaguosis of arterial hypertension, 23:48128
ORTMAN, Eldon E. Feeding behavior of larvae of western corn rootworm, 23:38760
ORTMANN, H.-G. Local magnetization measurements on cylindrical samples of low-kappa type-II superconductors, 25:19626
ORTMAYER, R. M. Production of fuel elements for power reactors, 24:52923
Technology of nuclear fuel material and fuel elements in Germany, 23:24985
ORTMAYER, Rudolf Max Considerations of the costs for the manufacture of fuel elements with oxide fuel for power reactors, 25:37022
ORTNER, H. Calculation and results of alkali metal separation on dextran gel columns, 22:45173
Parameter investigation for alkali metal separation on Sephadex columns, 22:37867
ORTNER, J. Conference on substorm events, Kiruna, Sweden, 3/69, 24:39927 (ESRO-SP-38)
ORTNER, M. H. Oxidation-resistant coatings for use above 3500 deg F, 21:13257 (N-66-21018)
Oxidation-resistant coatings on Ta—10W alloy, 21:13236 (N-66-19038)
Prog. rpt. on protective coatings for Ta alloys, final, 12/66, 21:31085 (N-67-14924)
Prog. rpt. on protective coatings for tantalum alloy, final, 7/66—10/67, 22:40998 (N-68-19623)
ORTNER, Martin Electrophoretic coatings for refractory alloys, 21:9061
ORTOLANI, E. A. Action of ionizing radiations on CNS, 25:13561
Action of radiations on central nervous system. III, 21:368
Effect of radiation on central nervous system. IX, 23:43696
Effects of radiation on central nervous system. VIII, 23:43697
ORTOLEVA, Peter Joseph Jr. Collective and particle modes in classical liquid, 25:2016 (NYO-3326-29)
ORTON, C. Protective immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei, 21:45849
Specificity of protective immunity produced by x-irradiated P. berghei sporozoites, 23:31677
ORTON, C. G. Initial fading characteristics of LiF—Teflon microrods, 23:7846 (CONF-680920-, pp 632-6)
Mass dependence of sensitivity of LiF—Teflon microrod dosimeters, 25:32279
Photosensitivity of clear perspex dosimeters, 22:19169
ORTON, Colin G. Immunity produced by the injection of x-irradiated sporozoites of Plasmodium berghei. II, 25:29727
Protective immunity of x-irradiated sporozoites of P. berghei. II, 23:29723
ORTON, R. J. J. Whole-body animal counter using a liquid scintillator, 21:34482
ORTTUNG, William H. Minimum in Kerr constants of light and heavy water near 30°, 22:42683
ORTU, Alba Marchioni Effect of x-rays on embryo of Triticum durum, 23:10112
Influence of seed coats on growth of embryo in Triticum, 23:10114
ORTU-BUSELLO, M. A. Radiation sensitizers in ultra-violet irradiation of cellular systems, 24:34403
ORTUGLIO, Carmen Solid and gaseous fuels, 25:31786
ORUDZHEV, E. Sh. Three-dimensional information pictures of chromospheric spicules, 23:25101
ORVEDAHL, Walter Prog. rpt. on computer project, final, 6/59—3/70, 25:28877 (ORO-2572-27)
ORVINI, E. Calculations of epithermal neutron spectra in LENA reactor, 23:37612 (EUR-4227)
Determination by instrumental activation analysis of traces of chlorine in organic substances with nuclear application, 21:27923
Determination of neutron capture resonance integrals of ^{55}Mn, ^{115}In, ^{121}Sb, ^{123}Sb, and ^{139}La, 22:46758
Elements of interest for nuclear technology in sands of Nettuno, Rome, 22:37891
Thermal neutron capture cross section of ^{121}Sb and ^{123}Sb, 21:42643

- ORVINI, Edoardo Some Italian meteorites trace elements content by nondestructive neutron activation analysis, 25:18370
  - Thermal-neutron activation cross sections and resonance integrals for ^{128}Te(n,γ)/sup 129g/Te and ^{128}Te(n,γ)/sup 129m/Te reactions, 22:32585
  - Thermal-neutron activation cross sections and resonance integrals for ^{128}Te(n,γ)/sup 129g/Te and ^{128}Te(n,γ)/sup 129m/Te, 23:8985
- ORVIS, Alan L. Comparative deposition of ^{45}Ca, ^{65}Zn, and ^{91}Y in bone, 22:2486
  - Whole-body counting, 24:50546 (CONF-691212-, pp 115-32)
- ORVIS, D. D. Reactivity measurements for hollow and hydrogen-filled tubular neutron poisons in the NERVA reactor, 25:41587
- ORVIS, Douglas Dean Diffusion—combination kinetics of columnar ionization in gases, 25:38437
- ORWIG, L. E. Gamma rays (250 keV to 2.3 MeV) from NP 0532, 25:45217
- ORY, Hal A. Possible effects of atmospheric particles on fireball emissions, 25:54815 (AD-722031)
- ORYU, Shinichiro Radiotherapy of uterine cervix cancer, 24:25583
- ORYU, Shinsho Analysis of D(p,2p)n reaction by Faddeev equation with off-shell two-body amplitudes. I, 25:45889
  - Analysis of D(p,n)2p reaction at 45.5 MeV, 24:5384
  - Analysis of D(p,n)2p reaction at 45.5 MeV, 25:31188
  - Generalized Lovelace equation in relativistic Faddeev formalism. II, 22:46536
  - New definition of the three-body separable potential and its application to the three-nucleon system, 25:59510
- ORZA, J. M. Fundamental vibrations of furan and deuterated derivatives, 22:2065
- ORZALESI, C. A. Dimension of hadronic interpolating fields, 25:22717
  - Ground-state three-body correlation function in a dilute boson gas with hard-sphere interaction, 22:5872
  - Local tensor fields and the energy—momentum operator, 23:5675
  - Radiative corrections to weak semileptonic decays and commutator ambiguities, 25:5341
  - Regge asymptotic behavior in quantum field theory, 25:28072
- ORZALESI, Claudio A. Charges and generators of symmetry transformations in quantum field theory, 25:5416
  - Divergence conditions and equal-time commutators, 22:26582
  - Equal-time commutator and zero-energy theorem in Lee model, 22:3301
  - Use of weak partial conservation of axial-vector current to resolve the eta $\to$ 3π puzzle, 24:35633
- ORZECH, Chester E. Jr. Carbonium ions. XI, 24:13858
- ORZECHOWSKI, T. Pulsed electron beam Van de Graaff accelerator, 21:21321 (INR-764/II, III/E)
- ORZECHOWSKI, Tadeusz Pulsed electron beam Van de Graaff accelerator, 21:37979
  - Ten nanosecond pulsing head for the Van de Graaff accelerator, 25:7779
- ORZHEKHOVSKII, V. L. Effect of carbon on the mechanical properties and structure of molybdenum crystals, 25:42899
  - Effect of carbon on the structure and mechanical properties of tungsten monocrystals, 25:37965
  - Investigation of the structure and properties of a roller following hot rolling of molybdenum in a vacuum, 21:36811
  - Mechanical properties and deformation characteristics of nickel and titanium reinforced with tungsten wire, 25:670
  - Plastic deformation of refractory metals in vacuum, 23:27086
  - Rolling of niobium alloys in vacuum, 24:36910
- OSADA, J. Contribution of electron—electron inverse bremsstrahlung to stellar opacity, 24:37030
  - Luminosity of high-temperature stars, 25:58433
- OSADA, K. Process analysis in a chemical plant by means of radioactive tracers, 22:14710
- OSADA, Tadanori New varieties of malting barley produced by radiation breeding, 25:8656
- OSADCHIEV, V. M. Change of the density matrix from addition of a large number of particles to a nucleus, 23:37300
  - Nuclear magnetic momenta in excited states, 21:17399
  - Relation between the masses of nuclei, 21:31885
  - Spectra of odd—odd nuclei, 22:14020
  - Spectra of odd—odd nuclei, 22:20697
  - Variation of the density matrix due to addition of a large number of particles to the Fermi system, 23:47074
- OSADCHII, V. K. Thermodynamic analysis of electric power plants including MHD generator, 25:38188
- OSADCHUK, R. Zirconium-base alloys, 25:27190
- OSAKA, Seiji Some characteristics of electron linac for non-destructive inspection Model ML-15R, 23:25755
- OSAKA, T. New hexagonal-type oxide of niobium, 23:48566
  - Tapiolite film formed on tantalum in high-temperature water, 21:41616
- OSAKA, Toshiaki Far infrared absorption spectra of H_2S and D_2S, 23:7536
  - Structure of corrosion-resisting films formed on tantalum and niobium in high-temperature dilute acid aqueous solutions, 25:29991
  - Structure of oxide films formed on niobium in high-temperature water and water vapor, 25:13771
  - Structure of oxide films formed on Ta, 24:23528
  - Structure of oxide films found on tantalum surface by wet oxidation, 23:43946
- OSAKI, Shigemasa Kinetic studies of ferrous ion oxidation with crystalline human ferroxidase. III, 22:42666
- OSAKI, Susumu Determination of rhenium in molybdenite by neutron-activation analysis, 21:10274
- OSAKI, Yoji Contraction and pulsation of very massive stars, 21:18380
  - Energy transfer in convective envelope of rotating star, 24:37052
  - Mechanism for outbursts of U Geminorum stars, 25:6961
- OSAKIEWICZ, W. (n,α) reactions on dysprosium isotopes induced by 14.2 MeV neutrons, 25:53742 (INR-1275)
  - (n,α) reactions on heavy nuclei induced by 14.2-MeV neutrons, 25:43886 (INR-1268)
  - Energy spectra of alpha particles from the ^{122}Te(n,α)^{119}Sn, ^{159}Tb(n,α)^{156}Eu and ^{169}Tm(n,α)^{166}Ho reactions with 14.2 MeV neutrons, 22:20619
  - Energy spectrum of α particles from the ^{122}Te(n,α)^{119}Sn and ^{169}Tm(n,α)^{166}Ho reactions with 14.2-MeV neutrons, 22:3692 (INR-814/I/PL)
  - Reactions (n,α) induced by 14.2-MeV neutrons in erbium isotopes, 24:43315 (INR-1175)
  - Reactions (n,α) on heavy nuclei induced by 14.2-MeV neutrons, 25:59802
- OSANAI, Masao Accident analysis for JPDR-II, 22:53302
- OSANAI, Taka Effect of gamma radiation on enzymes in apple, 25:24458
- OSANO, Katsuharu Design and project of radioactive treatment and disposal system in large capacity BWR nuclear power station, 25:8340
- OSANOV, D. P. Accumulation and elimination of radioactive Sr, 25:46703
  - Determination of the content of plutonium in the human organism by the rate of its elimination, 25:32334
  - Distribution of ^{239}Pu in intact skin in its surface contamination, 25:35092
  - Distribution of absorbed energy in depth in materials made of light atoms, 21:4805
  - Dose distribution in skin contaminated with radioactive substances, 25:42257
  - Dose distribution of β-radiation of fission products in tissue-equivalent material, 23:41319
  - Dose function of a plane infinitely thin source situated on the dividing boundary between two media, 25:55233
  - Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials, 25:46829
  - Measurement of dose buildup factors for low-energy point isotropic gamma sources in water, 25:5136
  - Radiation dosimetry of incorporated radioactive substances, 24:48549
  - Shielding of cylindrical gamma-ray sources, 24:1469
  - Tissue doses in human gastrointestinal tract, 24:48558
- OSAWA, H. Guide to reactor site evaluation in Japan, 22:18426
- OSAWA, Hiroyuki Location, structure, and equipment of reactors to be described in applications for authorization to establish reactors, 21:15665
- OSAWA, Hisao Amounts of metallic selenium in graphite, 23:45234
  - Behavior of Eu in graphite powder, 24:4277
  - Gadolinium in graphite powder, 24:9257
  - Vaporized amounts, vaporization behavior and spectral line intensity of gadolinium in graphite powder by arc discharge, 22:18776
- OSAWA, Masaru Oxidation of U monocarbide, 21:40867
- OSAWA, Masumi Instrumental neutron activation analyses of lunar specimens, 24:20730
  - Neutron activation analysis of thorium in natural waters, 21:5811
  - Separation and preparation of ^{238}Pu from neutron irradiated ^{237}Np target, 21:25908
- OSAWA, Tadashi Conference of the Japan Radiological Society, Gifu, Japan, 4/67, 23:35820
- OSAWA, Toshikatsu Method for producing crosslinked polyolefins, 21:5972
- OSAWA, Wataru Restudy on the system of atomic-energy damages indemnification, 25:21728
- OSAWA, Yasuo Fission-gas release from nuclear fuels with in-pile gas-loop, 25:28821
- OSAWA, Yasutaka Fabrication of UO_2 fuel rod by vibratory compaction, 22:2679
- OSAWA, Yasutake Oxidation and gas release behavior of UC, U(C,N), and UN, 23:24977
- OSBERGHAUS, O. Uncharged fragments from simple aromatic molecules in electron collisions, 21:25903
- OSBERGHAUS, Otto Ion cage, 23:11899 (MLM-1545(tr)(del))
- OSBORN, A. W. Biology and radiation sterilization of sugar cane leafhoppers, 21:20463
  - Irradiation facility for agricultural research, 25:46582
  - Irradiation of Queensland fruit fly pupae, 23:10149
- OSBORN, C. L. Convertible polymers for radiation processing, 25:29124
- OSBORN, David H. Neutron spectrometer performance at 14 mev, 24:44290 (CONF-691101-, pp 537-51)
- OSBORN, E. C. Iodination of angiotensin II, 22:47470
- OSBORN, G. K. Age at x-irradiation and acute radiation mortality, 24:9948
  - Influence of age on effects of irradiation with fast neutrons, 22:40890
  - Treadmill exercise performance by the aging irradiated rat, 21:36709
- OSBORN, Garold K. Age at x-irradiation and acute radiation mortality in the adult male rat, 23:29563 (AD-675514)
  - Influence of age at exposure on persistent and late effects of irradiation with fast neutrons, 22:33896 (AD-662222)
- OSBORN, H. Equivalence of the Lee and Zachariasen models, 21:17180
  - eta—mixing, eta $\to$ 3π and chiral Lagrangians, 24:52027
  - Off-shell extrapolations of Veneziano model and current algebra, 24:28617
  - Piπ scattering lengths, current algebra and the Veneziano model, 23:21101
  - Relativistic extension of the electromagnetic current for composite systems, 25:25369
  - Use of the Cutkosky rules for finding the analytic structure of the free two-particle propagator, 21:17172
- OSBORN, Hugh Chiral SU(3) x SU(3) theorems, 24:18163
  - Chiral SU(3) x SU(3) theorems for pseudoscalar—pseudoscalar scattering amplitudes, 24:49469
  - Conditions for composite particles with special reference to Lagrangian field theory, 22:35082
  - Piπ,πK and KK Veneziano amplitudes, 24:15571
  - $\pi\pi$, πK, and KK Veneziano amplitudes and current algebra, 24:49474
  - Relativistic center-of-mass motion and the electromagnetic interaction of systems of charged particles, 25:7591
  - Relativistic center-of-mass variables for two-particle systems with spin, 23:15001
  - Relativistic corrections to nonrelativistic two-particle dynamical calculations, 23:15066
  - $Z = 0$ and compositeness, 21:33761
- OSBORN, K. R. Allied Chemical Corporation nuclear power fuel reprocessing facilities and plans, 21:40948 ((CONF-670542-, Paper 3)
  - Existing and projected plants and processes for thermal reactor fuel recovery: experience and plans, 25:37453 (A/CONF.49/P-65)
- OSBORN, L. A. Dose distribution in the beagle dog from radiographic exposure, 25:29514 (LF-43, pp 116-22)
- OSBORN, Mary Mutagen specificity in bacteria using mutants of bacferiophage T4, 22:4593
- OSBORN, R. K. Contribution of neutral atoms to absorption of photons in plasmas, 23:25390 (AD-677375)
  - Detector effects on the statistics of neutron fluctuations, 21:12673
  - Incipient boiling detection in sodium-cooled fast reactors, 25:41443
  - Interpretation of fluctuations in radiation distributions in finite, inhomogeneous systems, 22:1203
  - Neutronic—acoustic detection of the onset of bulk boiling in liquid sodium, 25:54078
  - Optical detection of boiling in pressurized water reactors, 25:41371
  - Stochastic approach to the theory of fluctuations in plasmas, 22:19995
  - Use of acoustic waves in nuclear power reactors to determine average void fractions, 25:12779
- OSBORN, R. W. Efficient light collection in gas Cherenkov counters, 24:5930
  - Search for cosmic gamma radiation in the southern sky, 23:14510
- OSBORN, Richard K. Foundations of neutron transport theory, 21:42546
  - Gamma-ray fluctuation measurements versus neutron fluctuation measurements, 24:47945 (CONF-680980-, pp 25-33)
- OSBORN, S. B. Activation analysis in vivo using 5-MeV incident neutrons, 23:7494
  - Design and evaluation of a free air ionization chamber for grenz-ray measurements, 21:6506
  - In vivo neutron activation analysis, 24:25356
  - Radiocalcium studies in normal subjects, 22:51333
  - Radiocalcium turnover in man, 21:43347
  - Radiocalcium uptake in the bones of the foot, 24:34063
  - Radiocopper turnover in Wilson's disease, 23:47933
  - Significance of increased splenic uptake on liver scintiscanning, 24:34466
  - Whole-body activation analysis in man in vivo, 23:4573
- OSBORN, T. Binding energy of symmetric S state of triton, 23:25786
  - Polarization in proton—proton scattering at low energy, 23:3936
- OSBORN, T. A. Bound states of three identical bosons, 22:39304
  - Eigenfunction analysis of the two-body t-matrix, 24:52213
  - Eigenfunction approximation for the two-body t-matrix, 24:8948
  - Glauber theory without the eikonal approximation, 24:43067
  - Nonsingular scattering equations, 25:14825
- OSBORN, T. W. Sodium and manganese homogeneity in chondritic meteorites, 25:16625
- OSBORN, Thomas Arthur Faddeev's equations for local potentials, 22:22621 (SLAC-79)
  - Faddeev's equations for local potentials, 23:8704
- OSBORN, W. Investigation of a new long-period variable, 23:51199
  - Measures of double stars on parallax plates, 25:9053
- OSBORN, Wayne Period changes by variables in M13, 23:51168
- OSBORNE, A. Incoherent photoproduction of rho^0 mesons from complex nuclei, 23:44584
  - Search for mesons suggested by Veneziano model, 23:49029
- OSBORNE, A. W. Skeletal development of mice x irradiated in utero, 23:45911
- OSBORNE, Alan Xeromammography and film mammography: completion of comparative study, 22:531
- OSBORNE, Carol Operations on-line to a large computer, 23:33501 (ANL-7515, pp 226-32)
- OSBORNE, Carol F. Review of the major problems encountered during ten years of operating a large scientific computing system, 25:423 (UCRL-19842)
- OSBORNE, D. E. Strain induced martensitic transformation in Zr/3 wt percent Mo/1 wt percent Al, 25:16540
- OSBORNE, D. G. Variation of the magnetic horizontal component in eastern Africa, 21:13463
- OSBORNE, D. N. Application of photolithographic techniques to doping of semiconductors by ion implantation, 22:50218 (AERE-R-5631)
  - Method for preparing thin chromium foil, 21:26763 (AERE-R-5430)
- OSBORNE, D. W. Uranium diboride: preparation and thermodynamic properties, 23:41707
- OSBORNE, Darrell W. Beta-uranium hydride, 22:7398
  - Ferromagnetic transition and thermodynamic properties of US, 22:17811
  - Heat capacity of alpha U from 1.7 to 25 deg K, 21:1902

Heat capacity of Sc from 1 to 23°K, 21:36841
Heat capacity of Sc from 1 to 23°K, 22:23755 (CONF-670502-, pp 534-45)
Heat capacity of U$_4$O$_9$ from 1.6° to 24°K, 22:50243
Heat capacity, enthalpy of fusion, and thermodynamic properties of NpF$_6$ from 7 to 350°K, 24:27080
OSBORNE, Denis G. Some further correlations in magnetic variation, 22:47908
OSBORNE, Donald V. Condensation coefficient of liquid helium II, 24:26133
OSBORNE, F. J. F. Laboratory geophysics and astrophysics, 21:29099
Laboratory simulation of geophysical phenomena, 21:703
Laboratory simulation of the solar wind-magnetosphere interaction, 21:35106
OSBORNE, F. T. Engineering design of an instrumented pilot plant for remote reactions: radiation-induced polymerization, 24:41598
Radiation induced ionic polymerization, 25:57450 (ORO-3667-1)
Radiation-induced solution polymerization of styrene in an engineering flow system, 24:38903
OSBORNE, Franklin Talmage Radiation-induced polymerization of styrene in a recirculating flow reactor system, 24:48139
OSBORNE, J. Nondestructive determination of dynamic elastic constants of BeO, 21:36944 (GEMP-537)
OSBORNE, J. L. Coherent cosmic-ray model based on direct muon production, 22:52966
Muon intensities and angular distributions deep underground, 21:18473
Range fluctuations for muons of energy up to 10^4 GeV, 22:24079
Study of the energy spectra of muons underground, 22:24077
OSBORNE, J. W. Changes in the rat intestine after x-irradiation of exteriorized short segments of ileum, 24:39567
Immunization of rhesus monkeys against schistosome infection, 23:50391
Influence of prior intestinal resection on survival time of intestine-irradiated rats, 23:24700
OSBORNE, James F. Autoradiography applied to tracer studies in semiconductor research, 22:7370
Determination of sodium in ultrapure silicon and silicon dioxide films by activation analysis, 21:34223
OSBORNE, James W. Intestinal flora in whole-body and intestinal x-irradiated rats, 23:6620
OSBORNE, K. E. Temperature dependence of peak effect in Type II superconductor, 25:33194
OSBORNE, L. Alpha Project, 24:52324 (TID-25473(Vol.3), pp 279-89)
Apparatus for measuring photoproduction reactions in GeV range with on-line data analysis facilities, 22:367
OSBORNE, L. S. Design criteria for a magnetic spectrometer, 24:52323 (TID-25473(Vol.3), pp 267-77)
Design of a magnetic analysis system for experiments on the storage ring, 22:11824
Measurements of π^0 photoproduction cross sections for incident gamma-ray energies of 2.0 to 5.0 GeV, 21:27295
Method for deriving angular correlations for particle production and decay, 22:24579
Method for deriving angular correlations for particle production and decay, 22:41774 (NP-17531)
Photoproduction cross sections for π^+ and K$^+$ mesons at 3.4 to 4.0 GeV and their comparison with SU(3), 21:29423
Photoproduction of eta^0 mesons at 4 GeV, 22:52922
Photoproduction of π^0 with plane polarized 3-GeV photons, 23:44583
Photoproduction of single charged pions from deuterium and hydrogen, 21:31516
Pi$^+$ photoproduction from H with polarized protons, 24:51889
Proposal for the detection and classification of bosons of high mass, 24:51957 (TID-25473(Vol.4), pp 267-73)
Search for leptonic quarks, 21:37664
Wide-angle electron-positron pair production, 22:50283
OSBORNE, M. F. Comparison of rupture data from irradiated fuel rods and unirradiated cladding, 24:33329
Comparison of rupture data from irradiated fuel rods and unirradiated cladding, 25:41462
Design, equipment, and program for fuel rod burst experiments, 24:22406 (ORNL-TM-2850)
Effect of irradiation on the failure characteristics of Zircaloy-clad fuel rods, 25:41418
Failure characteristics of Zircaloy clad UO$_2$ fuel rods under loss-of-coolant conditions, 25:54116
Fast neutron effects on the carbides of Ti, Zr, Ta, Nb, and W, 22:21779
Irradiation test of beds of pyrolytic—carbon-coated sol—gel oxide particles, 23:8341 (ORNL-TM-2278)
Techniques for irradiating high temperature materials in a steep flux gradient, 21:20591 (CONF-660511-, pp 1.7.1-16)
OSBORNE, M. R. Conference on least squares methods in data analysis, Canberra, Australia, 12/68, 24:46507
OSBORNE, P. Double Regge poles and Regge cuts, 21:15427
Fubini identities for Feynman diagrams, 22:15842
Weinberg sum rules in a perturbation-theoretic model, 22:24726
OSBORNE, P. J. H. Focusing x-ray spectrograph for use in range 0.5 to 50 A, 24:14363
OSBORNE, P. M. Helicity formalism: a lecture course, 25:19925 (NP-18703)
Reggeization of kinematically free amplitudes, 23:27811
OSBORNE, R. L. Studies of a fluidic oscillator as a temperature sensor, 22:19195 (UCRL-50344)
OSBORNE, R. N. Power reactor high performance UO$_2$ program analysis of fission product release related to centermelt fuel failures, 23:49513 (GEAP-10039)
OSBORNE, R. Travis Fallout shelter survival research, 21:26431
OSBORNE, R. V. Absorption of tritiated water vapor by people, 21:14655
Automatic urinalyzer for tritium: AEP5216, 23:6318 (AECL-2702)
Detection of tritium in air with ionization chambers, 21:14419 (AECL-2604)
Detector for tritium in water, 24:9654
Instrument for measuring ultraviolet exposures, 24:5933 (AECL-3384)
Intake of tritium when skin is splashed with tritiated water, 23:16319
Measurement of tritium in air in the presence of gamma radiation, 23:13531
Monitoring for tritium at low levels, 21:36332 (AECL-2700)
Performance of an automatic analyser for tritium in urine, 24:11770
Studies of α radioactivity in relation to man, 22:2517
Tritium health physics at CRNL, 22:14999 (AECL-2699)
OSBORNE, Robert L. Bond integrity of quartz transducer and stress input specimen by ultrasonics, 21:38852 (UCID-15179)
Method of quartz crystal malfunction detection from recorded outputs, 21:38851 (UCID-15177)
OSBORNE, Robert Lee Detection and diagnosis of malfunctions in energy manipulations systems, 22:3989 (UCID-15240)
OSBORNE, T. S. Neutron-seed-irradiation programme, 24:21325
Normal and gamma-rayed resting plumule of barley, 21:41517
Response of rice to γ-rays and fission neutrons, 25:27070
Seed radiosensitivity, 21:32612
OSBORNE, W. Z. Limits on magnetic monopole fluxes in the primary cosmic radiation from inverse Compton scattering and muon-poor extensive air showers, 24:35226
New determination of the branching ratios of K$^+$-meson decay in emulsion, 21:29435
OSBURN, J. O. Liquid scintillation analysis: computer processing, 23:2580
OSBURN, J. W. Jr. Economics of food irradiation, 21:26728
OSBURN, Robert L. New spectrophotometric method for determination of submicrogram quantities of selenium, 25:23514
OSBURN, W. S. Jr. Prog. rpt. on radioecology of Colorado front range, final, 1967, 21:26387 (COO-1445-5)
OSBURN, William S. Jr. Forecasting long-range ecological recovery from nuclear attack, 23:50586 (CONF-671135-, pp 107-35)
Nuclear fallout deposited in a Colorado high mountain bog, 23:18015 (CONF-670503-, pp 578-86)
Primula parryi: correlation of morphological variability with background radioactivity, 23:18129 (CONF-670503-, pp 185-90)
OSCARSON, E. E. Determination of radiation dose to portions of the body by using thermoluminescent dosimeters, 25:49172 (ARH-SA-87)
OSE, Masami Abnormal enhancements of hf noise intensity at Syowa Station, Antarctica, 25:38242
OSECHENSKAYA, G. V. Changes in leukocyte count in peripheral blood of patients suffering from chronic myeloleukosis, 24:2827
OSEGUERA-VALLADARES, Urbano Sum rules in high-energy electron—proton scattering, 24:18130
OSEI, Yu. P. Absorption of ^{90}Sr by grape vine, 23:41208
Assimulation and distribution of ^{90}Sr in apple trees, 22:40606
OSEKI, Saburo Basic experiment on removal of radioactivity from water. II, 25:44435
OSELKA, M. C. Energy-analyzing system for Argonne 60-inch cyclotron, 21:15431 (ANL-7251)
OSEROFF, S. B. Spin—lattice coefficients for Gd^{3+} in thoria, 24:45352
OSETINSKII, G. M. Conservation of isotopic spin in reaction ^{3}He(t,d)^{4}He, 23:25772 (JINR-P15-4299)
Gamma emission from ^{12}C(^{3}He,pγ, 22:5762 (JINR-P6-3463)
Gamma-radiation investigation in reaction ^{12}C(^{3}He,pγ)^{14}N, 22:37300
Investigation of ^{9}Be + T reaction, 22:48452 (JINR-P15-3965)
Investigation of the ^{9}Be + T reaction, 23:28262
Isospin conservation in reaction ^{3}He(t,d)^{4}He, 24:13275
Reaction ^{7}Li(d,n)^{8}Be, 25:9975 (JINR-P15-5143)
OSETROVA, T. D. Radiosensitivity of chromosomes in fibroblasts of mammalian species, 23:2812
Radiosensitivity of chromosomes in organs of mice embryos, 22:51515
OSGOOD, E. B. Nuclear cooling applied to measurements in ^{3}He, 21:27099
OSGOOD, Edwin E. Case of ^{32}P in treatment of polycythemia vera, 22:51830
O'SHAUGHNESSY, Philip E. Teaching radiographic technic with a dental phantom, 24:778
OSHCHERIN, B. N. Enthalpy of activation of carbon self-diffusion into cubic carbides, 24:42261
Enthalpy of activation of carbon self-diffusion in cubic carbides, 25:22150 (LA-tr-71-13)
Self-diffusion activation enthalpy of inorganic substances with NaCl structure, 24:21425
O'SHEA, Christopher J. Apparatus for determining wall thickness utilizing radiation absorption, 23:20034
O'SHEA, D. C. Raman spectrum of V/sub K/ centers in KCl:Ag crystals, 24:26310
O'SHEA, D. M. Integral transport method for burnup in heterogeneous assemblies, 21:38478
MACH 1 one-dimensional diffusion-theory package, 21:7627 (ANL-7223)
MC^2: code to calculate multigroup cross sections, 22:11871 (ANL-7318)
Multigroup cross sections for fast reactor analysis, 21:35382 (ANL-7320, pp 27-30)
Network organization of an automated nuclear design system, 25:57146 (CONF-710302-(Vol.1), pp 516-30)
O'SHEA, G. Advances in the design and performance of x-ray proportional counters, 21:6229
OSHER, J. E. Enhanced ion cyclotron radiation and stabilizing effects of microwave heating in the Alice machine, 22:26355 (UCRL-70841)
Low-voltage source for molecular ion production, 25:25143 (UCRL-50981)
Plasma production by neutral beam injection in mirror systems, 25:38451 (CONF-710607-98)
OSHER, John E. Intense 1-kV ion source for controlled fusion research, 25:56217 (UCRL-73387)
Production of intense ion and neutral beams with energies below 10 keV, 25:56218 (UCRL-73412)
OSHEROV, V. I. Stationary and nonstationary quantum problems soluble by the contour integral technique, 22:11743
Transition of electron to the continuous spectrum, 21:18441
OSHEROVICH, A. L. Radiation lifetimes and transition probabilities in Ar I, 23:51384
OSHIDA, Kenzo Aging in Hiroshima and Nagasaki atomic bomb survivors: accumulation of cardiac lipofuscin, 25:32605
Aging in Hiroshima and Nagasaki atomic bomb survivors, 25:35241
OSHIDA, Soichi Pressure effect on the magnetic properties of superconducting La and La—Ce, 25:36021
OSHIMA, C. Conference of the 12th International Congress of Genetics, Tokyo, 8/68. III, 24:34257
OSHIMA, K. Comparative position of main fuels in Japan, 23:13513
Dynamic safeguards system for multiple action levels, 25:21311
Effect of pressure on solid-state polymerizations of diketene and trioxane, 21:43006
Phase transition and phase diagram in U$_4$O$_9$ phase, 24:27875
Polymerization in solid state at high pressure. III, 21:45160
Positron annihilation in irradiated organic crystals, 24:27120
Radiation-induced solid-state polymerization, 24:13927
Radioinduced copolymerization of ethylene with tetrafluoroethylene, 24:31385
Solid state polymerization under high pressure, 24:27121
X-ray study on a phase transition of U$_4$O$_9$, 21:28844
OSHIMA, Keichi Capsules for samples to be irradiated in nuclear reactors, 24:5783
Electrical conductivity and defect structures in non-stoichiometric UO/sub 2 + x/, 25:3210
Electrical conductivity of γ-irradiated solid monomers at low temperature, 25:2221
Electrical conductivity study on phase transitions in U$_3$O$_8$, 24:46809
Electron spin resonance studies on radiation-induced solid state polymerization of methyl methacrylate, 25:29117
Electron spin resonance studies on radiation-induced solid state polymerization of acrylonitrile, 25:29118
ESR in γ-irradiated isobutylene in xenon matrices, 25:148
ESR of γ-irradiated propylene at -196°C, 25:133
Gamma-initiated solid state polymerization of tetrafluoroethylene, 25:29112
LET and energy effects on radiation-induced solid state polymerization, 24:20830
Producing tetrafluoroethylene polymer, 22:21140
Radiation induced solid state polymerization of acrylonitrile at low temperature, 25:146
Radiation induced solid state polymerization of ethylene, 25:147
Radiation-induced polymerization of propylene oxide, 22:51032
Review on the national safeguards system in Japan and its system study, 25:51760 (A/CONF.49/P-828)
Solid state polymerization at liquid helium temperature, 23:33227
Solid- and liquid-states polymerization of tetrafluoroethylene induced by ionizing radiation, 22:4196
X-ray and neutron diffraction study on phase transition in U$_4$O$_9$ phase, 25:24656
OSHIMA, Keiichi Economics of advanced thermal reactor, 24:24858
Gamma-initiated solid-state polymerization of halogenated ethylene, 25:31967
Method for producing a copolymer of ethylene tetrafluoride and ethylene, 24:9370
Method for producing carbonyl compounds, 23:4706
Radiation induced solid state polymerization of acetaldehyde, 24:36287
Trends in utilization of radiation and radioisotopes, 25:26276
OSHIMA, Kotaro Accelerating tube, 21:2571
OSHIMA, Nobuko Extraction behavior of Eu with TTA, 24:14019
OSHIMA, S. Removal of iodine from atmosphere by sprays, 24:33345
Removal of iodine from atmosphere by sprays, 25:25992
OSHIMA, Shigeo Recent studies in nuclear power plant safety. I, 21:8815
Removal of iodine from atmosphere by spray. IV, 24:2009 (ORNL-tr-2241)
Removal of iodine from atmosphere by spray. III, 24:2008 (ORNL-tr-2240)
Vapor—water partition coefficient of iodine and organic iodides, 24:4353 (ORNL-tr-2255)
OSHIMA, Shozo Nebulization of solid samples for atomic absorption spectroscopy, 24:48031
OSHIMA, Tokio Application of energy transfer phenomenon to gas analysis, 21:17591
OSHIMA, Y. Electron accelerator (3 MeV) using a pressurized cascade generator, 21:29689

OSHIMA, Yunosuke 3 MeV 15 kW electron beam generator at Takasaki Research Establishment, 24:43078 (JAERI-1190)
  Cascade generator type 3-MeV electron accelerator, 22:20395
  Development of irradiation technics. II, 25:6581 (JAERI-Memo-4121)
  Radiation dosimeter using peroxy radicals in irradiated polytetrafluoroethylene, 25:449
  Radiation dosimetry by polyethylene terephthalate, 23:2664 (NSJ-tr-125)
OSHINO, Akira Natural radioactivities in floating dusts and radioactivities in fallout from the second Chinese nuclear explosion, 21:41023
OSHINSKI, C. C. Coke moisture measurement, 22:28192
OSHIO, Mitsuo Charged particle density measurements during IQSY, 22:5244
  Negative sudden phase anomaly, 25:24998
OSHIO, Takanori Characteristics of the orbital radiation of electron synchrotron of INS, 22:24774
  Orbital radiation of electron synchrotron and its uses, 21:9303
OSHIO, Toshiki Treatment and disposal of radioactive wastes, 23:45500
OSHIRO, Seisho Blood levels of fallout ^{137}Cs in the Netherlands, Okinawa, and mainland Japan, 21:39422
OSHITANI, K. Fundamental processes in nonequilibrium cesium plasma, 24:1379
  Visible light emission from nonequilibrium cesium plasma, 24:1381
OSHIUMI, Yoshihiko Diagnostic use of radioisotopes with scintigraphy, 25:46927
  Effect of Tathion on excretion of ^{203}Hg—MHP in kidney, 25:13341
  Effect of Tathion on urinary excretion of ^{203}Hg—MHP, 24:48388
  Thyroid function test by means of whole body linear scanning, 21:45690
OSHIYAMA, Hiroshi Behaviour of ohmically heated plasma, 23:32399
  Equilibrium and stability of plasma in Heliotron magnetic field, 25:30549
  Equilibrium and stability of toroidal plasma, 24:26040
  Ohmic heating of plasma in Heliotron C magnetic field. I, 25:58963
  Plasma confinement in toroidal Heliotron P field, 24:26143
  Plasma equilibria in the poloidal Heliotron field, 24:12843
  Plasma injection into the Heliotron C field, 24:12786
OSIAS, David Fission-fragment range measurements by computerized analysis of gamma-ray spectra, 21:36214
  Investigations of space-dependent values of delta-28 in light-water UO$_2$ cores, 22:5722
OSIAS, David Justin Investigation of space-dependent fast fission ratios and measurements of fission-fragment recoil ranges in aluminum, 22:39651
OSICHEVA, N. P. Investigation of equilibrium in uranyl peroxycitrate system UO$_2^{2+}$—H$_2$O$_2$—C$_6$H$_5$O$_7^{3-}$—H$_2$O, 22:35805
OSIECKI, J. H. Superconductivity in layered compounds with variable interlayer spacings, 25:47467
OSIECKI, R. Dislocation contrast at high voltages, 25:60292 (UCRL-20700)
  Heterogeneous dislocations in GaAs, 25:60291 (UCRL-20525)
OSIKA, L. M. Variation of interface dislocation networks with lattice mismatch in eutectic alloys, 25:32749
OSIKO, V. V. Induced radiation of Y$_3$Al$_5$O$_{12}$: (Nd)$^{3+}$ excited by an electron beam, 25:38575
OSINSKI, J. Radioiodine distribution in the Tarapur power reactor environment during commissioning and initial operations, 25:56978
OSINTSEVA, V. P. Effect of irradiation on animal's body, 23:50843
OSIPENCO, A. Routine and emergency environmental monitoring at CEA, 24:7842
  Use of a helicopter for aerial radiologic prospecting, 23:20189 (CONF-680507-, pp 207-11)
OSIPENKO, S. A. Coefficient of accumulation for stable Sr and ^{90}Sr in freshwater plants and plankton, 25:46692
  Coefficients of accumulation of Sr and ^{90}Sr in lake plants and plankton, 23:24585
OSIPENKOV, V. T. Determination of $\pi\pi$ cross section from reaction of pion production in pion collisions with H at small momentum transfer, 21:31536
  Investigation of the reaction $\pi^- + p \rightarrow \pi^- + \pi^+ + n$ at 1.3 GeV/c in order to obtain the pion—pion interaction cross section, 21:33615
OSIPENKOVA-VICHTOMOVA, T. K. Changes of the bone tissue in radiotherapy of cancer of the esophagus, 21:32684
  Treatment of bone sarcoma with high-energy bremsstrahlung, 25:55338
OSIPKOV, L. P. Luminosity function of field galaxies with allowance for observational selection, 22:13137
  Mean velocity dispersion and the mass distribution law in dynamical systems, 24:12606
OSIPOV, A. D. Effects of silicide coatings on mechanical properties of molybdenum, 22:19543
  Influence of silicide coatings on molybdenum on its mechanical properties, 23:8183
  Thermal tensity in chromium coatings in molybdenum, 21:18271
OSIPOV, B. F. Scintillation dosimeter for gamma- and x-ray dose-rate measurements, 23:16165
  Scintillation dosimeter for measurement of x and gamma radiation, 21:12691 (ORNL-tr-1476)
OSIPOV, B. S. Certain optical and physical properties of synthetic uranitite, 22:8829
  Conditions of precipitation of uranium from hydrothermal solutions by disulphide metals, 21:10326
  Equilibria in systems containing U and sulfides of heavy metals at 200 to 360°C, 22:35935
  Reduction of hexavalent uranium with hydrogen sulfide in aqueous solution at high temperatures and pressures, 25:34569
OSIPOV, D. K. Geochemistry of uranium in granitoids of the Upper Kondoma massif (Gornaya Shoriya), 21:8439
OSIPOV, E. K. Output characteristics of cesium diodes with zirconium diboride cathodes, 23:51414
OSIPOV, G. A. Isotope separation in a three-step mercury mass diffusion column, 22:42985
OSIPOV, G. V. Depolarization of particles during acceleration, 22:39529
OSIPOV, I. S. Radioisotope scanning in diagnosis of renal tumors, 24:17089
  Scintillation γ camera with CsI(Rb) image-forming crystal, 22:28071
OSIPOV, K. A. Effects of aluminum oxides on the activation energy of creep of niobium, 25:19277
  Electrophysical properties of niobium films produced and annealed in a very high vacuum, 25:55507
  Films of oxides and superconducting tin obtained from ion beams, 25:40818
  Investigation of the deposition of molybdenum carbide films from molybdenum hexacarbonyl using an electron beam, 21:26880
  Obtaining thin films of molybdenum carbide, 21:45982
  Production of Nb films in very high vacuum, 24:17238
OSIPOV, K. K. Relationship between vlf emission and cosmic-noise absorption in the auroral zone, 25:55999
OSIPOV, N. E. Influence of mexamine on pO$_2$ in normal and tumor tissues, 24:34416
OSIPOV, N. K. Density of charge sources during interaction of charged-particle fluxes with the atmosphere, 25:19583
  Determination of electron flux parameters, 23:51518
  Effective electron collision frequency in the auroral ionosphere, 25:16910
  Electric fields in the auroral ionosphere, 24:6442
  Electron flux spectra in the auroral region, 25:22435
  Interaction between an electron flux and the atmosphere, 24:6441
  Ion formation function during reaction of protons with atmosphere, 25:30397
  Nature of auroral magneto—ionospheric perturbations, 25:14106
  Parameters of electron fluxes in polar regions, 23:32251
  Parameters of ionized layers from ionospheric data, 23:51505
  Particular feature of polar magnetic disturbances, 25:47445
  Relationship between magnetic disturbances and particle injections in polar zone, 24:30277
  Relationship between polar magnetic disturbances and the parameters of injected corpuscular fluxes, 25:47427
  Relationship between vlf emission and cosmic-noise absorption in the auroral zone, 25:55999
  Structure and parameters of sporadic formations in the auroral ionosphere, 25:16911
OSIPOV, O. A. Complex compounds of Ti(IV), Sn(IV), and Th in aromatic and heterocyclic azomethines, 22:8076
  Complex metal compounds with nitrogen containing ligands. V, 21:23878
OSIPOV, S. V. Effect of internal α irradiations on characteristics of anion exchanger AB-23M, 24:38951
OSIPOV, V. A. Absolute reactivity measurements and other parameters, 22:27504
OSIPOV, V. B. Design of irradiation plants for radiation chemistry studies and irradiating materials, 22:51144
  Radiation-chemical reactor for sulfochlorination of paraffin hydrocarbons PC-2.5, 22:51019
  Spherically shaped cartridges for extended sources in pilot and full-scale radiation-chemical processors, 25:2404
  Technical-economic aspects of radiation method for sulfonate production, 23:319
  Use of electron accelerators for carrying out radiation chemical processes, 24:13919
  Use of ionizing radiation in food technology, 25:52283 (A/CONF.49/P-696)
OSIPOV, V. E. Problem of radioactive contamination on chemical installations, 25:44377
OSIPOV, V. G. Investigation of the structure and properties of a roller following hot rolling of molybdenum in a vacuum, 21:36811
  Mechanical properties and structure of sintered molybdenum sheets used for deep drawing, 21:41590
  Mechanical properties and structure of metal—ceramic sheet molybdenum for deep drawing, 22:17126
  Operating experience with the RS-2.5 radiation-chemical sulfochlorinator, 25:143
OSIPOV, V. I. Ability of γ-irradiated lysozyme to undergo aggregation, 22:23420
  Activity of γ-irradiated lysozyme, 22:43230
  Gamma-irradiated ribonuclease by method of gel filtration, 22:33738
  Gamma-ray and neutron scattering method for determining soil density and moisture, 23:14063
  Hydrodynamic size of γ-irradiated lysozyme, 23:22224
  Suppression of the tendency of γ-irradiated lysozyme for aggregation after treatment with mercaptoethylamine, 24:9732
OSIPOV, V. N. Electromigration of ions of ^{22}Na, ^{42}K, ^{86}Rb, and ^{134}Cs in molten chlorides, 25:57439
OSIPOV, V. V. Accelerating system with parallel connected gaps, 25:41153
  Investigation of oxidation processes of alloys of Nb—Ta system at 550 to 1050°, 22:31329
  Modeling of acceleration processes in high-current linear accelerators on electronic computers, 22:20388
  One-resonator accelerator of electrons, 23:34690
  Preliminary bunching in strong-current linear ion accelerator with low-energy injection, 24:15744
  Preliminary grouping of ions in a high-current linear accelerator with a low-energy of injection, 22:53043 (IFVE-SKU-67-56-K)
  Zirconium intermetallic compounds and their influence on oxidation rate of zirconium alloys, 24:32345
OSIPOVA, I. A. Manganic Parkinsonism produced in an experiment with Rhesus monkeys, 24:29104 (BNL-tr-352)
OSIPOVA, I. N. Effect of γ-irradiated fresh fish on rats, 25:58162
OSIPOVA, L. Kh. Radiation effects and radiative grafting polymerization in fibers, 22:40128
OSIPOVA, L. N. Use of the moments method for resolving space-angle problem in cascade theory, 24:21958
OSIPOVA, L. P. Optical activity of α-quartz irradiated by fast neutrons, 24:23544
  Sensitivity of Raman spectrum of quartz to effect of fast neutrons, 24:47312
OSIPOVA, T. V. Morphological study of organs, blood cells, and bone marrow of white rats and mice with vaccinal disease, 25:58128
OSIPOVA, V. A. Thermal properties of aluminum oxide-base metal ceramics, 23:14407
OSIPOVA, V. V. Certain properties of uranium pentoxide, 21:8245
OSIPOVA, Z. Ya. Mathematical simulation of radiation damage, 23:48973
  Method of studying the dynamics of radiation defects in crystals by means of a computer, 22:11499
OSIPOVSKII, A. I. Total protein and protein fractions in blood serum of offspring of irradiated guinea pigs, 21:16502
OSIUMI, Yosihiko Studies on the thyroid function test by means of whole body linear scanning, 23:4974 (NSJ-tr-120)
OSKAM, H. J. Application of mass spectrometry to the study of gaseous plasmas, 21:15118
  Axial pressure gradient in direct-current discharges, 24:3359
  Collision processes in gaseous plasmas, 22:34642 (AD-666946)
  Decaying He plasmas, 21:18700
  Existence of He$_2$H$^+$ ion, 23:30315
  Ion production and loss processes in helium—nitrogen mixtures, 25:59014
  Mass-spectrometric proof of existence of He$_3^+$ and He$_4^+$ ions, 23:34413
  Mobility of argon ions in argon, 21:43778
  Production and loss of N$_2^+$ ions in He—N mixtures, 23:42258
  Production and loss of N$_2^+$ ions in the N afterglow, 23:10675
  Production and loss of N$_2^+$, Ne$^+$, and Ne$_2^+$ during decay period of plasmas produced in Ne—N mixtures, 25:59019
  Production of He$^+$ ions by mutual collisions between metastable He atoms, 23:42281
  Recombination and ion-conversion processes of argon ions, 24:28254
  Recombination and ion-conversion processes in helium—neon mixtures, 24:51650
  Recombination of rare gas ions with electrons, 24:21787
  Studies of decaying plasmas produced in neon and helium—neon mixtures, 21:18701
  Studies of the nitrogen afterglow. I, 22:19980
  Transport of charged particles through gases and plasmas, 23:1401 (AD-670176)
  Volume forces in plasmas, 21:42056
OSKERKO, A. A. Use of gamma spectrometer to control activity of heat-transfer medium in reactors, 25:31680
OSKOTSKII, L. I. Technique of determining the effective period of half-decay of iodine in the thyroid gland, 21:8742
OSKOTSKII, V. S. Measurement of spectra of thermal oscillations with coherent inelastic scattering of neutrons in polycrystals, 21:44540
  Measuring thermal vibration spectrum using coherent inelastic neutron scattering from polycrystalline sample, 21:31481
OSKOVA, E. E. Effects of laser on internal organs, 23:48228
OSLAND, P. Double charge—exchange scattering of pions by ^{51}V and ^{90}Zr, 25:1722
  Elastic and single-charge-exchange scattering of pions by carbon nuclei, 25:59523
OSLICK, H. Heavy water organic cooled reactor pressure tube assembly, 21:34139
OSLOOND, Joe H. Radioactive waste disposal data for NRTS, 1965, 21:6167 (IDO-12040(Suppl.1))
  Radioactive waste disposal data for NRTS, 22:10530 (IDO-12040(Suppl.2))
  Radioactive waste disposal data for NRTS, 23:591 (IDO-12040(Suppl.3))
  Radioactive waste disposal data for National Reactor Testing Station, Idaho, 24:22927 (IDO-12040(Suppl.4))
OSMACHKIN, B. P. Investigating the vibrocompacting of concrete mixes with the use of radioisotopes, 25:57869
OSMACHKIN, V. S. Heat exchange crisis during movement of boiling water along fuel rod banks, 25:57638 (IAE-2014)
  Specific characteristics of heat transfer in reactors cooled by incompressible fluids, 23:13485 (LA-tr-68-53)
OSMAN, A. Cluster transfer reactions at low energies, 25:43964
  Extension of the Faddeev equations to complex angular momentum, 24:24453
  Faddeev equations and cluster model approximations, 25:5858
  Finite-range Coulomb stripping in (t,p) and (^{3}He,n) reactions, 25:43965
  Short-range correlations in the three-body problem, 25:3731
  Three-body model for ^{6}Li induced reactions, 25:28486
OSMAN, A. M. Root respiration of wheat plants as influenced by age, temperature, and irradiation of shoots, 25:55348
OSMAN, Ahmed Modified Faddeev equations for three bound α particles in ^{12}C, 25:50653
OSMAN, C. H. Gamma radiation from ^{19}F(p,α γ)^{16}O reaction between 1.9 MeV and 4.16 MeV, 23:32899 (ANU-P-450)

  - Line shape analysis of spectra obtained with Ge(Li) detectors, 23:11818 (ANU-P-413)
  - Line shape analysis of spectra obtained with Ge(Li) detectors, 23:16145
  - Spin of 2.78-MeV state in ^{19}Ne, 23:23621 (ANU-P-430)
- OSMAN, M. M. Uranyl complexes with biological ligands, pyridoxine, and its uranyl complexes. I, 25:48508
- OSMAN, W. A. Russian electron accelerator, 21:29688
- OSMENT, B. D. J. Experimental condenser for heat-transfer measurements, 21:10536 (NEL-160)
- OSMER, Judith A. Localized cooling in flux crystal growth, 21:32970
- OSMER, P. Optical identification of Sco X-1, 21:584
  - Optical search for the x-ray sources Cyg X-1 and Cyg X-2, 21:33054
  - Optical search for x-ray sources GX3 + 1, GX5 - 1, GX9 + 1, and GX17 + 2, 24:46923
- OSMER, Patrick S. Absorption spectrum of Ton 1530, 23:22756
- OSMER, Patrick Stewart Atmospheres of the F supergiants, 25:6972
- OSMIALOWSKI, Georg Effects of a nicotinic acid derivative on the recovery probability after irradiation, 22:40792
- OSMININ, V. S. Luminescence of activator centers in nonirradiated and x-irradiated CsBr:Ga and CsI:Ga crystals, 25:40781
- OS'MININ, Yu. P. Estimation of certain physical properties of liquid francium, 24:14727
- OSMOLSKI, Thaddeus Vincent Factors influencing the expression of anophthalmia in the mouse, 25:8646
- OSMON, P. E. Cost-effectiveness of different spark chamber read-out and digitising systems, 25:13266 (CERN-70-21(Vol.2), pp 581-606)
  - Stripline pulser for spark chambers, 24:29570
  - Vidicon system for spark chambers, 21:28228
- OSMOND, C. B. Ion absorption in Atriplex leaf tissue. II, 24:566
- OSMOND, J. K. Age of Cape Kenndey barrier-and-lagoon complex, 24:18905
  - Distribution of heavy radioelements in Florida, 22:2204
  - Sedimentation rate determination in deep sea cores by gamma-ray spectrometry, 22:18918
  - Uranium disequilibrium in groundwater, 23:2419
- OSMUN, D. E. Life span in x-irradiated Habrobracon, 21:24566
- OSMUNDSEN, P. E. Contact photodermatitis due to tribromosalicylanilide, 22:43443
- OSNACH, L. A. Isofermental spectre of lactate dehydrogenase in various organs of irradiated animals, 24:34131
- OSNACH, N. A. Accelerated aging of fiberglass plastic, 24:6292
- OSNAGHI, S. Beta/l* measurement by neutron flux noise analysis, 22:50827
  - Program to smooth the noise of experimental waveforms, 21:43244
  - Random signal quantization and its effects in nuclear physics measurements, 22:406
- OSNES, E. Calculation of Coulomb energy differences, 25:3770
  - Core polarization of the effective two-nucleon interaction for different descriptions of the core, 25:34194
  - Core-particle interaction and fragmentation of single-particle levels in ^{41}Ca and ^{41}Sc, 23:52139
  - Core-renormalization of the pf-shell effective interaction for an RPA-description of the core, 25:25829
  - Effective three-body interactions in Ca isotopes, 22:27041
  - γ-decay of the lowest $^{3}/_{2}^{-}$ analogue state in ^{51}V, 24:43261
  - Hartree—Fock method and variation of projected determinants, 22:32503
  - Isospin in shell-model calculations of N = 28 nuclei, 25:7826
  - Isovector electromagnetic transitions in ^{51}V, 25:7825
  - Renormalization of the effective two-nucleon interaction by core-polarization processes, 24:6953
  - Shell model calculation in the calcium-isotopes, 22:1613 (AD-646702)
  - Shell model calculation in the calcium isotopes, 22:32518
- OSNES, Eivind Shell model calculations in calcium isotopes, 21:17321 (NP-16589)
- OSOBA, David Nonproliferating cells and generation of immune response, 24:27555
  - Some physical and radiobiological properties of immunologically reactive mouse spleen cells, 24:44451
  - Specificity of the in vitro response of antigen-sensitive units to two antigens, 24:639
  - Specificity of the in vitro response of antigen-sensitive units to two antigens, 24:11997
- OSOKIN, N. G. Wrought molybdenum-base alloy, 23:27088
- OSOKINA, R. M. Isotopic effects in photonuclear reactions, 25:28393
  - Mechanism of ^{114}Sn(γ,p)^{113}In reaction, 25:20394
  - Photoprotons from medium weight nuclei, 22:7687
  - Photoprotons from nuclei of average weight (50 less than or equal to A less than or equal to 125) and the mechanism of decay of excited nuclei in the region of the dipole giant resonance, 21:19217
- OSONE, K. Effects of fast neutrons and gamma radiation on rice, 24:17024
- OSONO, Noboru Chromosome abnormalities in bone marrow cells after irradiation, 22:8577
- OSOPOV, B. E. Scintillation dose-rate meter for the measurement of x and gamma radiations, 22:16913
- OSORIO, A. Scintigraphy of the liver, lungs, spleen, kidneys, brain, heart, and bones in the diagnosis of hydatid cysts, 23:48143
- OSOSKOV, G. A. Mathematical simulation of tracks by spiral scanning, 23:33524 (JINR-P11-4463)
  - Maximum-probability method to determine the kinematic parameters of tracks, 25:8558
  - Method for experimental data processing by using normal law superposition, 21:9708 (JINR-P10-3032)
- OSOVETS, S. M. Interaction of a high-frequency electromagnetic field with a plasma, 24:12823
  - Peculiarities of a powerful high-frequency discharge in a field that increases to its periphery, 23:10663
  - Utilization of MHz-band electromagnetic waves for stabilization and confinement of plasma, 23:34451 (CONF-680113-(Vol.4), pp 1147-72)
  - Work of high-power high-frequency generator into plasma load, 22:24285 (AD-666148)
- OSOWIECKI, H. Inactivation of DNA by UV, HNO_2, low pH, and nitrosoguanidine, 24:31907
- OSREDKAR, M. Approximate determination of critical buckling in two-dimensional homogeneous reactors, 22:35725
  - Radiation damage in tungsten, 24:40161
  - Slow neutron scattering on $Ca_2Sr(CH_3CH_2COO)_6$, 21:37617
- OSS, J. P. Absorption and emission coefficient determination by a zonal ring technique in a circular cylindrical plasma column, 21:2202 (AD-641145)
  - Experimental investigation of Stark broadening in H/sub α/, 23:14758
- OSS, John P. Spatial resolution of emission and absorption coefficients in self-absorbing sources of cylindrical symmetry, 22:34638 (AD-665826)
  - User's manual for computer program to reduce spectrographic data from a rotationally symmetric plasma, 23:1372 (AD-670170)
- OSSAKOW, S. Nonlinear interaction of electromagnetic waves in a cold magnetized plasma, 22:41600
- OSSAKOW, S. L. Redistribution of trapped protons by Starfish, 24:10428
  - Spectrometer observations in region near the bow shock on March 12, 1968, 25:7226
- OSSAKOW, Sidney Low-β plasma penetration across a magnetic field, 23:23068
- OSSAKOW, Sidney L. Anomalous resistivity along lines of force in the magnetosphere, 22:52641
  - Current decay in a streaming plasma due to weak turbulence, 23:12746
  - Kinetic equation for an unstable plasma in parallel electric and magnetic fields, 21:9624
  - Plasma streaming into a magnetic field, 22:1174 (AD-648083)
  - Stability of electromagnetic waves propagating perpendicular to the magnetic field in a mirror configuration, 23:12828
- OSSAKOW, Sidney Leonard Kinetic equation for unstable plasma in strong, parallel, dc electric and magnetic fields, 21:42117
- OSSART, Pierre Determination of light elements by gamma photon and charged particle activation, 24:43
  - Preparation of ^{234}Pa(UZ) and /sup 234m/Pa(UX2) sources with high specific activity, 21:23934
- OSSICINI, Luigia Chemical properties of technetium in solution, 24:20780
  - Hydrolysis of hexahalogen technetates(IV). I, 22:8066
  - Hydrolysis of hexahalogeno-technetate(IV) complexes. II, 24:36242
- OSSKE, G. Laser radiation and the tumor problem, 22:43383
- OSSOWSKI, B. Determination of body composition of living pigs by ^{40}K gamma radioactivity measurements. I, 21:28396
- OSTACHOWICZ, J. Automatic activation analysis system using a fast neutron generator, 21:1290
  - Control sequence system for automatic activation analysis, 22:2472
- OSTACOLI, Giorgio Complex formation in aqueous solution between uranyl ion and some saturated dicarboxylic acids, 24:16540
  - Complexes of dihydroxybenzoic acids with uranyl ions, 22:37723
- OSTADALOVA, I. Investigations of calcium metabolism following local x irradiation. X, 24:34679
  - Use of radioisotope techniques for determining the weaning period in experimental animals, 25:32328
- OSTADALOVA, Ivana Bone calcium metabolism after local x radiation. IX, 23:33863
  - Cross-placental passage of ^{203}Hg, 24:23073 (CONF-690501-, pp 137-43)
- OSTALSKA, K. Isotope exchange method using ^{14}C in studies of saccharide materials, 22:4136
- OSTANEVICH, T. G. Space coordinate reconstruction of track points by two stereoprojections, 21:275 (JINR-P-2889)
- OSTANEVICH, Yu. M. Moessbauer effect in FeS/sub 1 + x/ system, 23:20980 (JINR-P14-4312)
  - Two-sided coupling of a measurement center with a computer, 22:38156
- OSTANIN, V. A. 10-MeV linear electron accelerator designated as U-13, 25:9929
- OSTANINA, M. B. Relation of E/sub s/ to magnetic activity, 21:29113
- OSTAPCHENKO, E. P. Excitation of helium—krypton mixture, 21:29210
  - Influence of striations on the electron energy distribution in a mercury—krypton mixture, 22:48115
  - Measurement of the distribution of atoms and electrons across the capillary cross section in high-current discharges, 24:40069
  - Xenon-level population inversion in positive column of He—Xe mixture, 22:5065
- OSTAPENKO, A. A. Interaction cross sections of fast particles with tritium and ^{3}He nuclei, 25:9967 (JINR-P2-5335)
- OSTAPENKO, V. A. Hydrogen and calcium radiation of the chromospheric flares, 22:8989
- OSTAPENKO, V. F. Use of γ-excited x-ray luminescence to determine lead content in multi-metal ores, 22:18696 (CONF-651090-1)
- OSTAPENKO, V. I. Method of pollen irradiation to hybridization of some fruit trees, 22:45481
- OSTAPENKO, V. P. Cylindrical linear MHD machine in open-cycle regime, 25:27481
- OSTAPENKO, V. V. Automation of the measurement of reactivity, 24:22494 (ANL-Trans-820)
  - Automatization of measurements of reactivity, 23:49655 (IAE-1689)
- OSTAPENKO, Yu. B. Angular anisotropy and effects of nucleon pairing at fission of ^{239}Pu neutrons, 25:53796
  - Angular anisotropy and effects of nucleon pairing in ^{239}Pu fission by neutrons, 25:56736 (FEI-233)
  - Angular anisotropy and spin of target nucleus in (n,f) reactions, 24:52576
  - Subbarrier fission of ^{241}Am by neutrons, 24:20410
- OSTAPKOVICH, V. E. Effect of ionizing radiation on upper respiratory tract and olfactory analyser, 24:36840
  - Upper respiratory tract in personnel working with nuclear accelerators, 24:46680
- OSTAPKOVICH, V. I. Morphological changes in nasal mucosa of animals under the effects of various agents, 22:51992
- OSTASHENKO, V. F. Safety problems of AEPS with WWPR, 25:34389 (JPRS-53069, pp 64-73)
  - Some safety problems of nuclear power plant with water-cooled and moderated reactors, 25:48293
- OSTASHKOV, K. V. Influence of x-ray irradiation on activity of ATP-ase in denervated and intact muscles, 23:12021
  - Metabolism of phosphorus of nucleic acids in denervated and intact muscles in radiation injury, 22:49217
- OSTBERG, G. Influence of surface preparation and fluorine contamination on the corrosion of Zircaloy-2 in water and steam, 22:15147
  - Some observations on Zr—O solid solutions with a microprobe and by electron microscopy, 22:19607
- OSTENDA, M. Changes in rat cerebellum after γ-irradiation, 24:31850
- OSTENDA, Maria CNS of rats irradiated with gamma rays. II, 24:32222
- OSTENSON, Alan T. Radiocarbon in the southern oceans, 25:8381
- OSTENSON, J. E. Critical phenomena in sheath superconductivity of Nb, 23:12710
- OSTENSON, Jerome Edward Surface superconductivity in high purity niobium, 23:42122 (IS-T-312)
- OSTER, A. L. Method of measuring electron and ion densities in the region of 40 to 80 kilometers, 22:36853
- OSTER, C. A. Additional meteorological analyses of Shot Smoky, Plumbbob Test series, 23:9557 (BNWL-715-3, pp 74-87)
  - Computer programs for harmonic analysis and synthesis of tabular data, 23:40509 (BNWL-1124)
- OSTER, E. L. Conceptual design of beam transport magnets for beam line 1, 24:40513 (TRI-70-1)
- OSTER, G. Chemical dosimeter, 23:38331
- OSTER, G. K. Role of $CHCl_3$ as a quencher for γ- and uv-excited organic solutions, 25:34624
- OSTER, George F. High temperature saturated phase densities and the critical density and temperature of cesium, 24:42093 (CU-2660-56)
- OSTER, Gerald Organic phosphorescent materials, 21:26221 (CONF-650637-, pp 132-7)
- OSTER, Gisela K. Energy transfer from high-lying excited states, 21:19673
- OSTER, Harald Tasks of the factory physician in U processing industry, 24:34377
- OSTER, Irwin I. Effects of weightlessness on radiation-induced somatic damage in Drosophila larvae, 22:47628
  - Genetic effects produced by the space environment, 24:661
  - Mutational responses of insects, 24:829
- OSTER, L. Free-free radiation at very high density, 21:18663 (ARL-66-0239)
  - New restrictions on models for quasi-stellar objects, 22:11139
- OSTER, Ludwig Electrical conductivity in sunspot regions, 22:29071
  - Free—free emission and absorption coefficients in the radio frequency range at very low temperatures, 25:9082
  - Inverse Compton effect and universal 3°K radiation, 23:14587
  - Lepton nonconservation and the early universe, 24:1558
  - Plasma resonance radiation and type III bursts, 21:5270 (N-66-32304)
  - Prog. rpt. on interaction of solar flare particle with coronal plasma, final, 1966, 21:5024 (N-66-31745)
  - Radio emission from stellar coronas, 25:52527
  - Some applications of detailed balancing, 24:44963
  - Stimulated Compton effect and quasi-stellar objects, 23:14520
  - Stimulated Compton effect in very compact radio sources, 25:30145
- OSTERBERG, C. Studies carried out in US in marine radioecology, 24:34214
- OSTERBERG, C. L. Changing form of ^{65}Zn and ^{51}Cr, 24:13810 (RLO-1750-54, pp 37-42)
- OSTERBERG, Charles Radiozinc decline in starry flounders, 23:18010 (CONF-670503-, pp 372-9)
  - Retention of ^{65}Zn by Columbia River sediment, 21:39048
  - Sediment radioactivity in Columbia River estuary, 23:18006 (CONF-670503-, pp 300-6)
- OSTERBERG, Charles L. Behavior of four radionuclides in a marine benthic amphipod, 23:17901 (CONF-670503-, pp 450-61)
  - Chemical budget of Columbia River, 25:28879 (RLO-1750-41)
  - Depth, diel, seasonal, and geographic variations in ^{65}Zn of midwater animals of Oregon, 22:31015
  - Natural and artificial radionuclides in seafoods and marine protein concentrates, 23:31737
  - Prog. rpt. on ecological studies of radioactivity in Columbia River estuary and adjacent Pacific Ocean, 7/66—6/67, 21:39065 (RLO-1750-22(Vol.2))
  - Prog. rpt. on ecological studies of radioactivity in Columbia River estuary and adjacent Pacific Ocean, 7/66—6/67, 21:40745 (RLO-1750-22(Vol.3))

  - Prog. rpt. on ecological studies of radioactivity in Columbia River estuary and adjacent Pacific Ocean, 7/66—6/67, 21:40994 (RLO-1750-22(Vol.4))
  - Radioisotope measurements of viscera of Pacific salmon, 23:17900 (CONF-670503-, pp 440-9)
  - Zinc-65 and ^{54}Mn in albacore, 22:51667
- OSTERBROCK, D. E. Calculated Fe X and Fe XIV line strengths in a Seyfert galaxy model, 23:41868
  - Classification of the forms and the stellar content of galaxies, 23:51330
  - Conference on planetary nebulae, Tatranska Lomnica, Czech., 9/67, 23:22721
  - Emission lines in QSOs and nebulae, 24:23648
  - Excitation of semiforbidden $2s^2\ ^1S$—$2s2p\ ^3P$ lines, 24:17505
  - Forbidden emission lines in galaxies and quasars, 23:44134
  - Forbidden emission lines of iron in Seyfert galaxies, 24:46960
  - Line and continuum problems in gaseous nebulae, 25:58473
  - Planetary nebula IC 418, 24:19569
- OSTERBROCK, Donald E. Diffuse nebulae, 22:49907
- OSTERGARD, Donald R. Treatment of radiation-induced vaginal fistula, 23:50912
- OSTERHOLTZ, F. D. Measurement of H^{14}CN in HCN produced by fission fragment irradiation of nitrogen and methane, 23:2344
  - Prog. rpt. on fissiochemical development, semiannual, 7—12/65, 21:10368 (AGN-8178)
  - Radiation-convertible polymers from norbornenyl derivatives. Crosslinking with ionizing radiation, 24:44046
- OSTERLAND, G. Practical guidelines for treatment of cutaneous hemangiomas, 21:6581
- OSTERLE, J. F. Irreversible thermodynamics of hydromagnetic energy conversion, 21:23043
- OSTERMAN, P. Rotating target for conversion electron measurement, 23:44758
  - Semiconductor detector spectrometer with magnetic electron lens, 25:10864
- OSTERMANN, F. Dislocation cell formation and recrystallization in tungsten, 25:55558
  - Molybdenum in Nb—C alloys, 24:42150
  - Precipitates in two C-containing Nb-base alloys, 21:22885 (AFML-TR-66-259)
  - Precipitation behavior of Nb alloy D-43, 24:4812
- OSTERMANN, G. Recent results of cemented carbide research and problems encountered, 25:13752
- OSTERMAY, G. Wear tests carried out on brush-rotor systems making use of labelled associated parts, 25:15847
- OSTERMIER, B. J. Expansion of mercury vapor, 21:19366 (NAA-SR-12049)
- OSTERTAG, B. Implications of radiation-induced modifications in the comparative teratology of the nervous system, 24:51044
  - Implications of radiation-induced modifications in the comparative teratology of the nervous system, 25:11287
  - Radiation-induced modifications in nervous system, 25:26972
- OSTERTAG, Berthold Findings in mice surviving prenatal irradiation, 24:23318 (CONF-690501-, pp 289-300)
- OSTERTAG, E. Coincidence experiments with coaxial Ge(Li) detectors in low energy range, 22:40445
  - Obtention processes of temporal information in Ge(Li) diode, 22:43078
- OSTERTAG, H. Comparative investigations with the Anger scintillation camera and the digital autofluoroscope, 23:33458
  - Imaging properties of the positron camera, 25:378
  - Operating experience and results obtained with TRIGA research reactor, 25:60173
- OSTERTAG, Hermann β-decay of ^{208}Tl, 21:15573
  - Construction and testing of a magnetic double lens beta spectrometer, 22:355
- OSTERTAG, W. Crystal structure of Er$_2$Co$_7$ and other rare earth cobalt compounds R$_2$Co$_7$ (R = Gd, Tb, Dy, Ho, Tm, Lu, Y), 21:41610
  - Low-temperature synthesis of europium and ytterbium intermetallic compounds, 23:8269 (CONF-681020-(Vol.2), pp 727-30)
- OSTERTAG, Werner Crystallographic and magnetic investigation of rare earth—cobalt compounds R$_2$Co$_{17}$, 21:27932 (AFML-TR-66-420)
  - Electrical resistivity of cubic rare earth, Th, and U W bronzes, 22:4872
  - Magnetic susceptibility of cubic U W bronzes, 23:32582
  - Magnetic susceptibility of U(IV) glasses, 23:27696
  - Rare earth Co compounds with AB$_5$ structure, 21:26770
- OSTERWALDER, Konrad Boson fields with the lambdaPHI^3 interaction in two, three, and four dimensions, 25:7729 (NP-18549)
- OSTHELLER, G. L. Phonon dispersion relation of beryllium oxide, 22:31944 (IN-1129)
  - Phonon dispersion relation of beryllium oxide, 24:10621
- OSTIC, R. G. Additional measurements of the isotopic composition of lead from stratiform deposits, 21:26011
- OSTIDICH, A. Insensitive zones in intrinsic region of Ge(Li) coaxial detectors, 24:20998
- OSTLE, D. Criteria for selection of exploration areas in United Kingdom, 25:18554
  - Evaluation of methods of prospecting for U, 24:19101
  - United Kingdom research and development work in aid of future U resources, 25:51640 (A/CONF.49/P-489)
  - Uranium reconnaissance in northern Scotland, 24:46376
- OSTLIND, Dan Albert Effects of x rays on developmental biology of Heterakis gallinrum and on pathogenicity of Histomonas meleagridis, 21:43535
- OSTLUND, G. Radium and radiocarbon in Caribbean waters, 22:192
- OSTLUND, H. Gote Prog. rpt. on rapid field sampling system for tritium in atmospheric hydrogen, 1/70, 24:14354 (TID-25345)
- OSTOJA, Paolo Sputtering of ZrO$_2$ grown in various ways, 25:22603
- OSTOJIC, Miodrag Economic indicators of HWR and LWR type nuclear power station fuel cycles, 22:14161
- OSTOL'SKII, Vs. I. Power, nuclear, transport, and aviation technology. Interplanetary navigation, 24:40904
- OSTORERO, Jean Measurements of the viscosity of some gaseous fluorine compounds, 24:36195 (CEA-N-1293)
- OSTOVAR, K. Effects of gamma irradiation on Salmonella in smoked lake whitefish, 25:55365
  - Preservation of fresh whitefish with gamma radiation, 21:41496
- OSTRACH, Simon Analysis of confined magnetohydrodynamic vortex flows, 22:36788
- OSTRANDER, P. Ground-state binding energies in ^{14}C and ^{14}N, 24:43140
  - Velocity-dependent interactions in mass-14 nuclei, 22:30105
- OSTRANDER, Peter Erling Realistic shell model calculations for ^{14}C and ^{14}N, 25:56660
- OSTREA, Enrique Focal hepatic injury and repair produced by laser radiation, 22:23630
  - Hepatic injury and repair by laser radiation, 22:31232
- OSTREIKO, G. N. Aperiodic magnet coils of frequency-modulated power oscillator for feeding accelerating resonators of synchrotrons, 22:3575
  - BSB Fe-free single turn synchrotron, 21:15449
  - Heavy-duty cooled resistors for shunting accelerator resonators, 22:44566
  - Modulation of h-f voltage pulse, 21:2559
  - Phase stability of an intense beam in a relativistic storage ring, 24:1712
  - Wideband cable for power transmission from the amplifier to the accelerating resonater of a synchrotron, 21:23381
- OSTREIKOVSKII, E. P. Atomic research center at the birthplace of V. I. Lenin, 24:43821
  - Research center of nuclear reactors, 22:7829
- OSTRETSOV, I. N. Effect of anisotropy of conductivity on distribution of current and thermal flux in high-current plasma accelerators, 25:22503
- OSTRETSOV, L. A. Gamma defectoscopy method, 21:249
  - Methods of measuring high-activity radiation sources, 21:1625
  - Use of scattered γ radiation in defectoscopy and material thickness measurements, 21:248
- OSTREYKO, G. N. High-frequency power stage excitation circuit for feeding cyclic and linear accelerator resonators, 21:17253
- OSTRIKER, J. P. Do pulsars turn off, 23:44087
  - Magnetic dipole radiation from pulsars, 23:14483
  - Nature of pulsars. I, 23:48643
  - Nature of pulsars. III, 24:35069
  - Pulsation periods of rotating white dwarf models, 22:43680
  - Secular stability of uniformly rotating polytropes, 24:19603
  - Time of relaxation. I, 22:17242
- OSTRIKER, Jeremiah Possible model for a rapidly pulsating radio source, 22:23959
- OSTRIKER, Jeremiah P. Acceleration of high—energy cosmic rays by pulsars, 23:20731
  - Do pulsars make supernovae, 25:22295
  - Motion and radiation of charged particles in strong electromagnetic waves. I, 25:30116
  - Nature of pulsars, 25:13844
  - Observable consequences of accretion by defunct pulsars, 24:51253
  - Oscillations and stability of rotating stellar models. I, 23:5104
  - Oscillations and stability of rotating stellar models. II, 23:20569
  - Rapidly rotating stars. I, 22:21813
  - Rapidly rotating stars. II, 22:21812
  - Rapidly rotating stars. VI, 24:46881
  - Rapidly rotating stars. IV, 22:49932
  - Recent developments in the theory of degenerate dwarfs, 25:47204
  - Runaway stars and the pulsars near the Crab Nebula, 24:27989
  - Ultrashort-period stellar oscillations. I, 21:33048
  - Ultrashort-period stellar oscillations. II, 22:49897
  - Ultrashort-period stellar oscillations. III, 23:20575
- OSTRITS'KA, L. M. Some biochemical peculiarities of combined action of ultraviolet and roentgen rays on an organism, 22:47571
  - Some biochemical peculiarities of the combined action of ultraviolet rays and x rays on an organism, 23:6524
- OSTROFF, A. G. Viscosities of protonated and deuterated water solutions of alkali metal chlorides, 23:40652
- OSTROFF, Eugene Early Fox Talbot photographs and restoration in neutron irradiation, 21:25921
- OSTROM, S. J. Device for monitoring shut-down nuclear reactors, 21:5713
- OSTROM, T. R. Design basis, 23:16480 (BNWL-746, pp 3.1-5)
  - Fracture behavior of flawed Zircaloy-2 pressure tubes, 25:16502
  - Radiation effects on pressure tube properties, 23:16498 (BNWL-746, pp 6.1-10)
  - Stress related properties of pressure tubing, 23:16481 (BNWL-746, pp 5.1-16)
- OSTROMUCHOVA, G. International comparisons of ionization chambers, 24:46519
- OSTROMUKHOVA, G. P. Standardization of methods for checking gamma sources, 24:382
- OSTROUKHOV, A. A. Inelastic backscattering and transmission coefficients of medium-energy electrons, 23:8468
  - Inelastic scattering of medium-energy electrons in the continuous-energy-loss approximation, 22:5121
  - Inelastic scattering of the finite-cross-section particle beam, 24:40158
- OSTROUMOV, E. A. Precipitation of Zr by means of tartrazine and its separation from Fe, Ti, Al, and rare earths, 24:39004
  - Use of cinnamic acid in analytical chemistry. IX, 21:12363
  - Use of cinnamic acid in analytical chemistry. X, 21:19735
  - Use of cinnamic acid in analytical chemistry. XII, 22:37855
  - Use of cinnamic acid in analytical chemistry. XI, 22:37848
  - Use of N-cinnamoylphenylhydroxylamine in analytical chemistry. II, 25:46429
  - Use of n-cinnamoylphenylhydroxylamine in analytical chemistry. III, 25:48450
- OSTROUMOV, G. V. Determination of niobium and tantalum by roentgenoradiometric method, 23:40555
- OSTROUMOV, V. I. Emission of heavy particles in reaction A(π,πK)B on light nuclei at the π^+-meson energy of 112 MeV, 25:34002
  - Energy and angular distribution of α particles from the reaction (n,α) on nuclei Ag and Br, 21:31767
  - Nature of secondary charged particles generated in π^--nuclei interactions at the energy of 7 GeV, 23:18813
  - Nuclear interactions in space ship protection, 23:20976
  - Nuclear reactions induced by high energy particles, 21:17390 (UCRL-Trans-949(Rev.))
  - Proton emission mechanism in 112 MeV π^+ meson exchange scattering of light nuclei, 25:34005
  - Quasifree scattering of π^+ mesons with energy 117 MeV on protons in light nuclei, 24:33118
  - Reaction $^{12}C(\pi^+,2p)d2\alpha$ at π^+-meson energy of 117 MeV, 22:48469
  - Reactions of $^{16}O(\pi^+,\pi^+)\ 4\alpha$ at π^+ meson energy of 117 MeV, 23:19184
  - Velocities of residual nuclei in the fission of Ag and Br by 460-MeV protons, 21:10067
- OSTROUMOVA, E. G. Plasma oscillations in crystalline solids, 23:48994
- OSTROUMOVA, L. M. Change in blood in prolonged and brief irradiation of guinea pigs, 25:11278
  - Reaction of pituitary-adrenal system of dogs to irradiation, 25:29642
- OSTROVERKHOV, N. T. Structure of electron beams, 25:43736
- OSTROVSKAIA, G. V. Holographic diagnostics of a plasma, 22:41545 (LA-tr-68-23)
- OSTROVSKAYA, G. V. Holographic measurement of the light absorption, 22:22178
  - Holographic plasma diagnostics (review), 23:5387
  - Holographic plasma diagnostics: a survey, 23:51604 (JPRS-46949, pp 1-22)
  - Holography in plasma diagnostics, 22:41546 (NP-tr-1679)
  - Holography of a laser spark with a temporal resolution, 21:23219
  - Two-frequency single-exposure plasma holograph, 25:49878
- OSTROVSKAYA, G. Ya. Uranium in carbonaceous deposits, 24:44136
- OSTROVSKAYA, M. F. Spectrographic analysis of high purity amorphous boron, 22:16429
- OSTROVSKAYA, M. S. Investigation of complex formation of thorium(IV) with N-benzoylphenylhydroxylamine by distribution method, 22:4094
  - Investigation of formation of complex of Th(IV) with N-cinnamoylphenylhydroxylamine by distribution method, 22:8077
- OSTROVSKI, D. Control of radioactive medical products, 25:6343
- OSTROVSKI, E. E. Effect of initial heat-treatment on the mechanical properties of high-nickel alloys after neutron irradiation, 25:22118 (SRARI-P-80)
  - Effects of initial heat treatment on the mechanical properties of high nickel alloys after neutron irradiation, 25:22116 (AEC-tr-7188)
- OSTROVSKII, A. Logarithmic ratemeter with scintillation head for γ, β, and n radiation measurements in reactor dosimetry systems, 24:2446 (INR-P-1074)
- OSTROVSKII, E. K. Dynamics of particles in a waveguide buncher, 22:39533
  - Formation of electron beam in linear accelerator waveguide, 23:5743
  - Formation of electron bunches of small phase length in the accelerator injector, 23:3883
  - Injector-type electron accelerator with constant wave phase velocity, 22:9723 (AD-660737)
  - Measurement of the phase characteristics of the buncher in a linear electron accelerator, 25:22926
  - Particle dynamics in injector accelerator with waveguide prebuncher, 24:1706
  - Phase spectrum of accelerated electrons, 24:38052
  - Phase-energy characteristics of an accelerator buncher, 25:53456
  - Studies of a section of a disk-loaded electron linear accelerator, 24:15754
- OSTROVSKII, E. Ya. Choice of measurement interval and smoothing observed curves in airborne gamma survey investigations, 22:27907
- OSTROVSKII, Iu. I. Holographic diagnostics of a plasma, 22:41545 (LA-tr-68-23)
- OSTROVSKII, K. Production and investigations of x-ray proportional counters, 21:3308
- OSTROVSKII, S. E. Properties of heat-resisting steels after high temperature reactor irradiation, 23:34055
- OSTROVSKII, V. N. Energy levels of the hydrogen atom in crossed electric and magnetic fields, 24:3162
  - Inelastic scattering of electrons by molecules: $e + H_2$ scattering, 25:16827
- OSTROVSKII, V. S. Nuclear graphite, 21:28824
  - Nuclear graphite, 22:34106
- OSTROVSKII, Yu. I. Holographic plasma diagnostics (review), 23:5387
  - Holographic plasma diagnostics: a survey, 23:51604 (JPRS-46949, pp 1-22)
  - Holography in plasma diagnostics, 22:41546 (NP-tr-1679)
  - Holography of a laser spark with a temporal resolution, 21:23219
  - Interferometric holographic investigation of the pulsed-discharge plasma, 21:37434

- OSTROVSKII, Z. E. Behavior of radiation defects on coherent twin boundaries in nickel, 25:52394 (JPRS-53800, pp 79-86)
  - Effect of grain boundary-distributed boron on high temperature properties of irradiated steels, 24:10126
  - Effect of reactor radiation on structure and properties of stainless steels, 23:51078 (JPRS-48331, pp 553-75)
  - Influence of irradiation on the structure of several precipitation-hardened steels, 25:52395 (JPRS-53800, pp 87-97)
  - Role of in-pile irradiation in producing high-temperature brittleness in steels, 24:14841
- OSTROVSKY, Z. E. Properties of heat-resistant steels following high-temperature reactor irradiation, 25:19250 (AEC-tr-7192)
- OSTROW, S. M. Ionospheric F2 region equatorial anomaly and the geomagnetic field, 21:46262
  - Numerical maps of f_oE_s for solar cycle minimum and maximum, 23:20770
- OSTROWSKA, T. Dependence between extrapolated intensity of ionization current and initial resistance for the liquid filled ionization chambers, 24:14279
- OSTROWSKA-KRYSIAK, Barbara Induction of auxotrophic mutation in Streptomyces erythreus IA 64-575, 25:26699
- OSTROWSKI, A. Pulse channel for reactor startup measurements type ILRT-1 and ILRT-2, 25:37146
- OSTROWSKI, Andrzej Pulse transformer links in measuring lines using neutron detectors, 21:28327
- OSTROWSKI, K. Current problems of tissue banking, 24:11989
  - Free radicals evoked by radiosterilization in preserved bone grafts, 25:11329
  - Free radicals in bone grafts sterilized by ionizing radiation, 24:34118
  - Lyophilized and radiosterilized bone grafts in dogs, 24:934
  - Quantitative evaluation of irradiated bone grafts resorption rate by the electron spin resonance technique, 25:11340
  - Radiosterilization of preserved tissues, 22:52093
  - Resorption rate of irradiated bone grafts, 25:52203
- OSTROWSKI, K. W. Applications of low-energy γ and x-ray sources in Poland, 22:257 (ORNL-IIC-10(Vol.2), pp 746-63)
  - Radiometric analyses with high-yield proportional x-ray counters and low-activity sources, 22:311 (ORNL-IIC-10(Vol.2), pp 944-62)
- OSTROWSKI, Kazimierz Application of the low activity isotopic sources to continuous control of thickness of the thin metallic coverings and diameters of wires, by means of the x-ray fluorescence, 21:19860
  - ESR study of bone tissue sterilized by gamma radiation, 25:8825
  - Nonthermal effect of microwave radiation in vitro on rat, 23:20324
  - Radiometric analyses with high-yield proportional x-ray counters and low-activity sources, 22:33212
  - Sterilization of grafts by ionizing radiation, 23:29951
- OSTROWSKI, Kazimierz W. Development of nuclear and x-ray detectors, 25:15907
  - Some applications of low-energy gamma and x-ray source in Poland, 22:33211
- OSTROWSKI, Peter P. Collation and evaluation of analyses and experiments on re-entry behavior of PuO_2 microspheres, 23:9655 (WAI-TR-68.2)
  - Reentry behavior of PuO_2 microspheres, 23:35421
- OSTROWSKI, Stanislaw Colorimetric determination of Ce using N,N'-di(β-hydroxypropyl)-o-phenylenediamine, 21:12338
  - Strontium content of the Southern Baltic waters, 23:17632
- OSTRY, D. Computer simulation of sputtering, 24:44985
- OSTRYAKOVA, N. I. Radioactivity of tissues of inhabitants of various regions of Union, 22:33800 (A-AC-82/G/L-1182)
  - Tissue radioactivity of inhabitants of various regions of Soviet Union, 24:21057 (ANL-Trans-802)
- OSUGI, Minoru Opener for a capsule sealed in a usual canning way, 22:49051
  - Opener for a capsule sealed in a usual canning way, 22:49052
- O'SULLIVAN, C. T. Production of low-energy muons at sea-level, 24:15458 (CERN-69-28, pp 125-40)
- O'SULLIVAN, Colm Enhancement of alpha particle tracts in cellulose nitrate using electric fields, 24:39305
- O'SULLIVAN, D. Branching ratios for π^- mesonic decays of hypernuclei /sub A/^{3}H and /sub A/^{4}H, 24:49310
  - High-resolution measurements of slowing cosmic rays from Fe to U, 25:19525
  - High-resolution study of low-energy heavy cosmic rays with Lexan track detectors, 23:630
  - Identification of isotopes of energetic particles with dielectric track detectors, 22:10558
  - Mesonic decays of /sub A/^{3}H and /sub A/^{4}H, 24:15464
  - Non-mesonic decay of helium hypernuclei, 24:15462
  - Non-mesonic decay of helium hypernuclei, 24:49309
  - Resolution of high energy extremely heavy cosmic rays in plastic detectors, 25:21440
- O'SULLIVAN, E. T. Cesium-137 availability and potential market, 22:8680
  - Progress in ^{137}Cs irradiation sources for food processing, 23:26465
- O'SULLIVAN, M. Electronic relaxation processes of aliphatic ketone triplets, 24:13813
- O'SULLIVAN, R. A. Criticality: review of basic concepts and their applications. II, 24:14234
- O'SULLIVAN, R. J. Standing Alfven waves in magnetosphere, 23:12679
- O'SULLIVAN, W. J. Accurate de Haas—van Alphen periods for calibration of magnetic fields at low temperature, 21:36219
  - Effect of hydrostatic pressure on Fermi surface of Be, 21:37169
  - Effect of pressure on Fermi surface of graphite, 22:8844
  - Effect of pressure on spin-orbit coupling and Fermi surface of Cd, 22:44215 (SC-DC-68-2295)
  - Effect of pressure on the Fermi surface of Be, 23:51794
- OSUMI, Y. Direct-reading emission-spectrometric determination of trace elements in rare earth compounds, 24:41195
  - Emission-spectrometric determination of trace non-rare earth elements in yttrium oxide, 25:54419
- OSUMI, Yasuaki Direct reading emission spectrometric determination of trace elements in rare earth compounds, 24:24994
  - Spectrochemical analysis of rare earth elements. II, 23:45208
  - Spectrographic analysis of rare earth elements. I, 23:13636
  - Studies of spectrochemical analysis of rare earth elements. V, 25:2096
- OSUNA, H. Crusher for plutonium ceramics, 23:4768
- OSVALD, Kalman Problems of steam turbines, 24:16757
- OSVAY, M. Finger-dose measurements, 21:28485
- OSVAY, Margit Microthermoluminescent dosimeter for determining ^{131}I and ^{132}I dose absorption by thyroid, 24:6045
- OSWALD, B. Calculation of magnetization of superconductivity cylinders of type III superconductivity, 24:5097 (IPP-4/67)
  - Eddy current loss through pulsed magnetic fields, 25:19572 (IPP-4/80)
  - High-field magnet for a hydrogen arc experiment, 25:6451 (IPP-4/73)
  - System of superconducting coils 5 cm, 17 cm, and 35 cm in diameter, 22:46106 (IPP-4/60)
- OSWALD, Bernhard High magnetic fields and their application in plasma physics, 22:22123
- OSWALD, D. Current distribution in parallel superconducting wires, 24:32769
- OSWALD, G. A. ^{252}Cf neutron induced radiative capture gamma rays for high energy detector calibration, 25:48954 (CONF-710402-(Vol.3), pp III.43-7)
- OSWALD, H. J. Electron beam irradiation of an ultrahigh-molecular-weight polyethylene resin, 24:9391
- OSWALD, Hans Rudolf Topotactic decomposition of cadmium iodide in the beam of an electron microscope, 24:12879
- OSWALD, L. Characteristics and initial operation of the Michigan—Argonne 40-inch heavy liquid bubble chamber, 21:16113 (CONF-660918-, pp 99)
- OSWALD, Patrick Restoration of the hybrid effect suppressed by whole-body irradiation, 25:26985
- OSWALD, R. B. Jr. Dynamic response of solids exposed to a pulsed-electron-beam, 23:10708
  - Fracture of silicon and germanium induced by pulsed electron irradiation, 21:6376
  - Laser interferometric determination of the dynamic response of solids, 23:17886
  - Pulsed electron beam dosimetry, 21:6309
- OSWALT, F. W. Improved sonication method for removal of microorganisms from surfaces, 21:38845 (SC-RR-67-492)
  - New approach to microbiological sampling of surfaces: vacuum probe sampler, 21:47037 (SC-RR-67-114)
- OSYPOWSKI, Edward T. Ward-identity techniques and low-energy pion—nucleon scattering, 25:1549
- OSYPOWSKI, Edward Thomas Ward-identity techniques and low-energy pion—nucleon scattering, 25:36513
- OSZUSZKY, F. Criticality aspects at Eurochemic, 23:9957
  - Economic aspects of reprocessing nuclear fuel, 24:9570
  - Future management of radioactive wastes in Austria, 25:26451 (SGAE-RT-33/1970)
- OSZUSZKY, F. J. P. Coverage of the environmental influence as a result of the first Austrian nuclear power plant, 25:51012 (SGAE-RT-40/1971)
  - Introduction of nuclear energy in Austria, 25:53890 (A/CONF.49/P-212)
  - Management of radioactive wastes in Austria, 25:21354
  - Recent developments in radioactive waste management, 25:18625 (SGAE-RT-35/1970)
- OSZUSZKY, Friedrich Reprocessing of consumed fuel, 23:393
- OSZUSZKY, Friedrich Johann P. Fuel cycle for nuclear material, 23:28633
- OTA, Akira Studies of irradiation of mice, 22:6884
- OTA, Kozo Study of the coaxial plasma accelerator, 25:17215
- OTA, Kunio Production of HN75 alloy tubes for nuclear power plants, 24:46709
  - Production of Type 316 stainless steel cladding tubes for fast breeder reactor, 25:35305
- OTA, Masanori Cobalt-60 irradiated bone for transplantation, 21:26703
- OTA, Susumu Ion accelerator, 21:29810
- OTA, Yasuhide Lipase from C. paralipolytica. II, 21:20098
- OTAGAKI, Hiroshi Simultaneous measurement of electron densities and of temperatures in the plasma accompanied by moving striations, 24:37438
- OTAKE, Iwao Decay chain of fission products, 25:1953 (JAERI-1194)
- OTAKE, Kazutome Thermodynamic and electrical properties of a burning gas and its plasma. I, 22:17436
- OTAKE, Kazutomo Properties of combustion gas and its plasma. II, 23:25185
- OTAKE, Masanori Capillary microscopic observation on the superficial minute vessels of atomic bomb survivors, 1956—1957, 25:32614
- O'TALLAMHAIN, C. Boilers in the high-temperature gas-cooled reactor, 23:37606
  - Metallic foil insulation, 22:7859
- O'TALLAMHAIN, Colm Means for controlling the flow of heat through walls, 22:37495
- OTANI, Y. Suppression of a two-stream interaction in a beam—plasma system by external ac electric fields, 22:11432
- OTANI, S. New type 6 MeV medical linear accelerator, NELAC-1006 D, 23:42804
- OTANI, Shiro Characteristics of linear accelerator at Hiroshima University, 25:43754
  - Medical linear accelerator NELAC-1006, 21:29695
  - Real time dose distribution display by digital computer, 25:58078
- OTANI, Shitoshi Anomalies in the tensile properties at elevated temperatures of metastable beta titanium alloys, 25:35434
  - Effect of Zr on stability of a Ti—15 Mo base beta alloy, 25:27233
  - Isothermal transformation of Ti—Mo binary alloy. 25:27257
- OTANI, Yasushi Effect of ultraviolet radiation on guaiazulene, 22:47184
  - Effects of γ irradiation on guaiazulene, 23:224
  - Studies on azulenes. I, 21:38968
  - Studies on azulenes. II, 22:6332
- OTAROVA, G. K. Direct and remote effects of radiation on bone marrow, 22:51950
  - Distribution of cystaphos in organs and tumors of rats and mice, 21:20241
- OTAVKA, M. A. Mechanically refrigerated liquid hydrogen target, 22:46655
- OTCENAŠEK, P. Numerical determination of neutron flux in nonstationary as well as stationary processes in nuclear reactors, 25:23402
- OTENYAZOV, E. Properties of the low-temperature internal friction peak in silicon, 21:37605
- OTERO, Angelica M. Effect of fast neutrons and gamma rays on soybean seedling growth and malate dehydrogenase isozyme pattern following seed irradiation, 24:31838 (CONF-691120-1)
- OTERO, Efraim Gold-198 liver scanning in hepatic amebic disease, 23:2869
- OTERO, J. L. Analysis of heavy water by float method, 23:2195
- OTERO DE LA GANDARA, J. L. Analysis of heavy water in concentrations near to natural water. III, 21:2965
  - Chemical technology of the nuclear energy industry, 24:19082
- OTEY, M. G. $U_3O_5F_8$: new compound in U—O—F system, 22:83
- OTGONSUREN, O. Deposition of uranium in the bones of animals, 25:26744
  - Determination of fissionable material concentration in solids, 21:23820 (JINR-P12-3243)
  - Determination of the concentration of fissionable materials in solids, 22:38005
  - Estimate of the lifetime of the excited compound nucleus in reaction W(^{22}Ne,f) (experiment), 25:53795
  - Search for tracks of the spontaneous fission fragments of far transuranium elements in natural minerals, 25:53744 (JINR-P7-5814)
  - Search for transuranium elements in Fe—Mn nodules, 24:20886
  - Search for very far transuranium elements in iron—manganese nodules, 24:36167 (JINR-D6-4649)
- OTH, A. Solubility and dissociation of a desoxyribonucleoprotein, 25:48384 (LA-tr-71-52)
- OTH, D. Effect of podophyllic acid ethyl hydrazide combined with x rays on tumor in mice, 24:34550
  - Synergetic action of x rays and ethylhydrazide of podophyllic acid on solid isologous tumor of C3H mouse, 22:17031
- OTH, Daniel Restoration of the hybrid effect suppressed by whole-body irradiation, 25:26985
- OTH, J. F. M. ESR study of free radicals produced by γ irradiation of pyridine, 21:1398
  - ESR study of gamma irradiated binary mixtures of pyridine and methanol, 21:14242
- OTHÁZ, R. Electron-gamma directional correlation experiments in ^{75}As, 22:20526
  - Versatile coincidence unit, 24:44278
- OTHMER, Siegfried Electron spin resonance spectrum of FCN^- and HCN^- in KCl, 25:26289 (NYO-2150-60)
- OTIS, A. AGS injector beam monitoring system, 21:19086 (BNL-11148)
  - AGS injector beam monitoring system, 21:31653 (BNL-11493)
  - Single pulse transverse phase space beam analyser, 21:17200 (BNL-11111)
- OTIS, A. N. Drift tube quadrupoles, 21:38045
- OTIS, Alton Benjamin Jr. Analog input/output system for the Illiac II, 22:20981 (COO-1469-0069)
- OTIS, David R. Source model for predicting the drag force on a moving arc column, 21:16851
- OTIS, J. N. Measurements of K/sub L/^{0} and neutron total cross sections, 24:30466
  - Properties of a NaI(Tl) total absorption spectrometer for electrons and γ-rays at GeV energies, 24:39338
- OTLET, R. L. Low-level tritium measurements for hydrological applications, 23:21816
  - Low-level tritium measurements in water, 21:3178
  - Technique for loading Maloney spheres with high-activity ^{24}Na under field conditions, 22:23215 (AERE-M-1167)
- OTNES, K. Molecular dynamics in gaseous and solid methane, 22:41287 (INP-608)
  - Oriented graphite as a neutron monochromator, 24:5383
  - Quasi-elastic scattering of slow neutrons by water and an aqueous solution of sodium chloride, 21:11436
- OTOCKA, E. P. Radiolysis and crystallization of ethylene—acrylic acid copolymers, 24:11630
- OTOKOZAWA, J. Quark model of integer charges and two γ decay of π and eta, 24:49385
  - Superconvergence relation at backward angle, 21:29538
- OTOKOZAWA, Jun Infinite component wave function and scattering amplitude. II, 25:53323
  - Infinite-component wave equation and scattering amplitude, 25:36557
  - Integrally charged quarks and 2γ decay of π^0 and eta, 22:52963
- OTOMO, Makoto Extraction and determination of Th(IV) with xylenol orange, 23:9334
  - Extraction by solution-light absorption quantification of thorium(IV) using xylenol orange, 23:43254 (BNWL-tr-41)
  - Solvent extraction and spectrophotometric determination of Th(IV) with methylthymol blue, 22:42603

Spectrophotometric determination of rare earth elements with Xylenol Orange in presences of cetylpyridinium bromide, 22:40000
Spectrophotometric determination of Fe(III), 24:26978
Spectrophotometric determination of U(VI), 25:28934
OTOMO, Yoshiro Lighting device using radioactive material, 23:47883
O'TOOLE, J. D. Characteristics of PWR as an energy source in a power-desalting application, 22:50786
Electric power and pure water from dual-purpose nuclear plants, 21:14059
O'TOOLE, J. J. Liquid scintillation analysis: computer processing, 23:2580
O'TOOLE, James J. Specific activity of urinary ^{42}K in fasting human subjects, 21:22261
O'TOOLE, John D. Dresden I plutonium recycle program, 24:24729
O'TOOLE, Patrick James Design, construction, and testing of a Moessbauer spectrometer, 21:1670 (AD-635040)
O'TOOLE, Thomas J. Legal proof in radiation cases, 24:29766 (DMRE-69-3, pp 256-65)
Workmen's compensation and radiation injury. II, 23:6458
O'TOOLE, William F. Respiratory carcinogenesis in hamsters induced by ^{210}Po α radiation, 25:32528 (CONF-700501-, pp 383-94)
OTOPAL, P. Absolute measurement of activity of threshold detectors and evaluation of fast-neutron flux in core, 22:21321 (ORNL-tr-1843)
Effect of radiation on the mechanical properties of concrete, 25:37007 (ORNL-tr-2470)
Improved measuring efficiency of fast neutron detectors, 21:17821 (UJV-1546)
Increase of the detection efficiency in the use of sulfur as a fast neutron detector, 22:21320 (ORNL-tr-1842)
Radiation effects on mechanical properties of concrete, 25:23270 (UJV-2390-RT)
OTOUPAL, P. Acute radiation sickness in pigs and sheep, 25:24375
Changes in the mitotic activity of the epithelium of the small intestine of piglets after whole-body irradiation with x-rays, 23:35885
Influence of x-ray doses on post-vaccination infection, 22:23449
Pathomorphological findings in case of acute radiation effects in goats, 22:10867
Some pathomorphological findings in acute radiation sickness in goats, 25:55318 (LB/G-2995)
OTOZAI, K. Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:19255 (OU-LNS-69-1)
Excitation functions for (d,p) reactions on ^{96}Ru, ^{102}Ru, and ^{104}Ru, 23:25933
Excitation functions for deuteron-induced reactions, 22:15996
Excitation functions for the deuteron induced reactions, 22:7701 (OU-LNS-67-10)
Neutron-induced fission of ^{242}Pu, 24:38228
OTOZAI, Kiyoteru Excitation functions of deuteron induced reactions, 23:42899
Target chemistry of ruthenium, 23:47448
OTRADNOVA, V. V. Dose curves of appearance of chromosome rearrangements, 25:44786
Modification of radiation effect, 25:21665
OTROSCHENKO, G. A. Fission of U, Np, Pu, and Am isotopes excited in (d,p) reaction, 25:36746
OTROSHCHENKO, G. A. Angular distribution of fragments from ^{241}Am fission by neutrons, 21:10013
Angular distributions of fission fragments in reaction ^{231}Pa(n,f), 24:8901
Channel analysis of the neutron fission of ^{230}Th, 21:17375
Cross section of ^{249}Bk fission by neutrons, 24:13384
Detection of (n,γf) reaction, 22:39644
Fission of ^{233}U by neutrons with energy from 0.1 up to 1.5 MeV, 25:15019
Investigation of the operation of the duoplasmatron during pulse injection of the gas, 21:23383
OTROSHCHENKO, I. V. Interaction of a high-frequency electromagnetic field with a plasma, 24:12823
OTROSHENKO, G. A. Analysis of resonances observed in (d,pf) reactions, 24:30783
OTRUBA, J. Energies of dislocations in α-U, 23:23266
Extended dislocations and stacking faults on (110) and (001) planes of α-U, 22:15217
Extended dislocations and stacking faults on (110) and (001) planes of α-U, 22:17141
Mechanical properties of uranium and its alloys between -200°C and 730°C, 25:6858 (UJV-2436-M)
Mobilities of dislocations in α-U, 22:31352
OTS, I. Parametrization of the spin density matrix, 23:18988
OTSAP, Ben A. Fluidic (pure fluid) temperature sensor, 22:21000 (SAN-639-7)
OTSTAVNOV, Yu. D. Asymmetry of shadows arising in the interaction of fast charged particles with single crystals, 23:5477
Measurement of ^{238}U fission time by approximately 3 MeV neutrons, 25:1758
Shadow effect in fission of uranium, 23:42923
OTSU, Hitoshi Secondary defects in Ge by fission-fragment irradiation and annealing, 24:19972
OTSUBO, Youichirou Accelerating structure of ML-300 electron linac, 22:22502
OTSUJI, Tomoo Pulse counting method in mass spectrometry, 23:22130
OTSUKA, Haruki Metabolism of Ehrlich ascites tumor cells under anoxia, 25:42632
Possible requirement of adenosine triphosphate for the rejoining of x-ray-induced breaks in the DNA of Ehrlich ascites-tumor cells, 24:34135
OTSUKA, Hideko Carrier-free separation of ^{210}Po from neutron-irradiated bismuth, 23:4722
OTSUKA, Iwao Present state of measuring instruments using radiations, 23:7884
Uses of radiations for industrial measurements, 22:6542
OTSUKA, Kazuhiro Electron microscopy study of the precipitation processes in Cu—2 wt. percent Be alloy, 25:13715
Precipitation processes in Cu—2 wt. percent Be alloy, 25:45081
OTSUKA, Kiyoshi Adsorption measurement during hydrogen—deuterium equilibration over nickel catalyst, 21:21926
OTSUKA, M. Propagation of electrostatic ion waves in the vicinity of ion cyclotron frequency in a plasma, 23:1452
OTSUKA, Masamoto Enhanced microwave emission from highly ionized plasma irradiated by microwaves, 21:37481
Oscillations in the TP-D machine, 22:29506
OTSUKA, Masuhiko Theoretical phases of neutron fluctuation research in Japan, 24:47943 (CONF-680980-, pp 1-9)
Theory and applications of neutron fluctuations in nuclear reactors, 21:40614
OTSUKA, Minezo Autoradiographic studies on distribution of radioisotopes. XXIII, 25:15988
OTSUKA, Nobuko Distribution of organic mercury compounds and activity of alcohol dehydrogenase, 23:47944
OTSUKA, Norikatsu Use of ^{85}Kr radiation source for chemical reaction in liquid phase, 22:12344 (NSJ-tr-92)
OTSUKA, Takeshi Cation exchange separation of zirconium and hafnium, 23:28983
Production of hafnium metal from hafnium oxide by chlorine process, 24:4763
Separation of zirconium and hafnium by ion exchange resin, 22:12423
Separation of zirconium and hafnium by liquid—liquid extraction using aliphatic ketones, 23:28989
Separation of Zr from Hf by liquid—liquid extraction with cyclohexanone, 23:45379
Zirconium and hafnium industry, 23:14316
Zirconium and hafnium separation by liquid—liquid extraction with hexone, 24:11686
OTSUKA, Toshimichi Change on bronchial cells in irradiation, 23:48240
OTSUKA, Yozo Kinetics of γ-ray polymerization of formaldehyde in presence of carbon dioxide, 22:8137
OTSUKI, Akira Coprecipitation of phosphate with carbonates in a marl lake, 25:44252 (COO-1599-33)
OTSUKI, Setsuko Classification of nucleon resonances, 23:25632
OTSUKI, Shoichiro An attempt at systematizing meson-baryon resonances, 21:5391
Analysis of proton—proton scattering at high energy, 22:13773
Backward peak in pion—nucleon scattering and composite structure of the pion, 21:13710
Classification of nucleon resonances, 23:25632
Cluster model of hadrons, 21:35310
Cluster model of hadrons. II, 22:50380
Dip-bump structure of cross section and urbaryon rearrangement, 24:49495
Dip-bump structure of cross section and urbaryon rearrangement. II, 25:12219
Exotic resonances, urbaryon rearrangement and hadron structure, 25:12183
Hadron reactions and urbaryon rearrangement. I, 25:53149
Meson structure and spin-orbit splitting of meson mass, 22:50379
On pion—nucleon scattering at high energies, 21:17114
Quarks as quasi-particle and the cluster model of hadrons, 22:13739
Rearrangement of urbaryon lines and forces between composite hadrons, 24:49434
Repulsive core of nuclear forces, 24:16004
OTSUKI, Toshihiro Method for cooling the wall of an accelerating cavity-body for a linear ion accelerator, 22:18068
OTT, A. Chemical blood analysis after irradiation with ^{60}Co gamma radiation and 35-MeV electron beams, 22:19407
Differential diffusion of impurities in isotopic lithium matrices, 25:26240
Impurity diffusion in isotopic ^{6}Li and ^{7}Li metal, 25:16500
Isotope inter-diffusion and self-diffusion in solid Li, 24:26330
Isotope thermotransport in liquid K, Rb, and Ga, 21:3217
OTT, Aadu Effect of hydrostatic pressure on self-diffusion in single crystals of indium, 25:52950
Isotope separation by thermal diffusion in liquid metal, 23:21908
Scandium-45 level scheme, 25:14941
OTT, Alois Comparison of ^{60}Co teletherapy and high energy electrons for treatment of bladder carcinomas, 24:36796
Effective application of electron radiation and ^{60}Co gamma radiation for therapy of malignancies, 24:34558
Unusual causes of bronchial obstruction, 23:16423
OTT, D. G. Prog. rpt. on biological and medical research, 7/66—6/67, 22:51303 (LA-3848)
OTT, David G. Submersible nuclear reactor plant, 25:20817
OTT, E. Nonlinear explosive ion beam—plasma interaction, 24:47238 (NYO-3782-4, App.14)
Nonlinear Landau damping and beat wave trapping, 24:47279 (NYO-3782-4, App.15)
Nonlinear theory of ion acoustic waves with Landau damping, 24:3424
Reflection of waves at an interface in a streaming plasma, 23:12921
Relativistic synchrotron plasma echo, 25:19739
Theory of triggered vlf emissions, 25:43245
Transient aspects of transition radiation, 22:37066
OTT, Edward Coupling theory of nonresonantly unstable waves, 25:14366
Damping of a large-amplitude ion acoustic solitary wave, 25:19748
Finite beta equilibria of relativistic electron beams in toroidal geometry, 25:11887 (NYO-4077-1, Paper 5)
Nonlinear explosive ion beam plasma interaction, 25:33304
Nonlinear Landau damping and beat wave trapping, 25:27824
Relativistic electron beams in toroidal geometry, 25:33323
Toroidal equilibria of electrically unneutralized intense relativistic electron beams, 25:47703
Transient radiation in a plane stratified dispersive medium. I, 22:36922
Transition radiation and the Cherenkov effect, 23:25487
Turbulence-induced electron—ion crossfield streaming instability, 25:40670
OTT, H. Acute hepatic toxicity of organic reactor coolants, 25:21547 (EUR-4548)
OTT, H. R. Influence of scattering on the anisotropy of relaxation time in indium alloys, 23:34507
Volume change between normal and superconducting aluminum above 0.3K, 25:49840
OTT, J. Combinated radio-cytostatic treatment of operated glioblastomas, 21:36643
OTT, J. B. Construction and operation of a sodium purification apparatus, 21:36201 (NAA-SR-12444)
Solid-liquid phase equilibria in the Na + K system, 24:10098
OTT, J. Bevan Prog. rpt. on electrochemical cells using alkali metals and charge transfer complexes, 5/67—8/71, 25:57221 (COO-1707-12)
Prog. rpt. on high-pressure phase studies on Na, K, Rb, and Cs metals and on Na—K alloys, 24:33573 (COO-1707-9)
Prog. rpt. on solid—liquid phase equilibria in Na—Cs system, 9/69—8/70, 24:33571 (COO-1707-7)
Prog. rpt. on solid—liquid phase equilibria in K—Cs system, 9/69—8/70, 24:33572 (COO-1707-8)
Prog. rpt. on solid-liquid phase equilibria in the ternary sodium—potassium—rubidium alloy system, 5/67—8/71, 25:55524 (COO-1707-11)
Prog. rpt. on thermodynamic investigation of alkali metal mixtures, 5/67—2/68, 22:12271 (COO-1707-1)
Solid—liquid phase equilibria in the Na—Rb alloy system, 24:17317
Solid—liquid phase equilibrium in Na—Cs alloy system, 25:24599
OTT, Jane M. Studies in aquatic biology, 24:655 (UCRL-50718, pp 65-9)
OTT, K. Analysis of errors involved in sub-prompt critical transient experiments in SEFOR, 21:35711 (EURFNR-315)
Analysis of errors involved in sub-prompt critical transient experiments in SEFOR, 21:46946 (KFK-578)
Optimization problem in increasing the output of the FR-2, 21:30270
Theoretical Doppler-coefficient results for fast reactors, 21:19344 (ANL-7269)
OTT, K. O. Fast-reactor kinetics: the QX1 code, 25:51039 (ANL-7769)
Improved definition of the breeding ratio for fast reactors, 24:7278
Improvements in fast reactor space-energy synthesis, 24:11290
Influence of the shape-function time derivative on spatial kinetics calculations in fast reactors, 22:33159
Quasistatic treatment of spatial reactor kinetics, 23:28609
Quasistatic treatment of spatial reactor kinetics, 24:16274 (BNL-50117, pp 192-212)
Reaction rates as weighting functions in fast reactor space-energy synthesis, 23:37726
Reply to Goldschmidt, 24:50091
Spectral effects in liquid-metal fast breeder reactor transients, 24:7344
Subcritical fast reactor as a university research facility, 25:6095
Successive space-energy synthesis for fast reactors, 25:5962
Successive space-energy synthesis for neutron fluxes in fast reactors, 25:12780
OTT, Karl Nuclear reactor with fuel or breeder element units of cylindrical shape, 21:2854
Quasistatic treatment of spatial phenomena in reactor dynamics, 21:14028
OTT, R. Problems in substituting radium by artificial radionuclides in medicine and industry, 21:28487
OTT, R. J. Enhancement in I = 0 $\pi^+\pi^-$ system at 1085 MeV, 22:17867 (RPP/H-33)
Observation of enhancement in I = 0 $\pi^+\pi^-$ system at 1085 MeV, 22:15685
Optimum design of thin large area scintillation counters, 21:3260
Polarization of Σ^- in $\pi^- + p \rightarrow \Sigma^- + K^+$ at 1130 MeV/c, 23:18814
Precise measurement of K^+ lifetime, 25:14531
OTT, Ronald L. Quantum theoretical deduction of radiative transfer equations in the spectral line regime, 24:46901
OTT, V. R. Effects of metal implants on tissue heating in decimeter wave irradiation, 22:43343
OTT, Vega J. Thermal neutron irradiation of cotton, 21:11328
OTT, W. Comparison between laser electron source and Febetron, 24:35785
Electron ring experiments in Garching, 24:35787
Static potential distributions in the single emitter diode, 21:33399 (CONF-670104-Pt.1, pp 95-105)
Time resolved beam distribution functions, 23:32363
OTT, W. R. Collisions of Al and Fe ions and atoms with gases in energy range 5 keV to 2.5 MeV, 21:39827
Excitation of atomic hydrogen to metastable 2 $^2S_1/_2$ state by electron impact, 24:17656 (N-70-10626)
Excitation of atomic hydrogen to the metastable 2^2S/sub 1/2/ state by electron impact, 24:23803

Polarization of Lyman alpha radiation emitted in electron collisions with hydrogen atoms and molecules, 24:17657 (N-70-10707)
Polarization of Lyman-alpha radiation produced in collisions of electrons and hydrogen atoms, 22:7152
Polarization of Lyman-alpha radiation emitted by H(2A) atoms in weak electric fields, 22:17384
Polarization of Lyman-α radiation emitted in electron collisions with hydrogen atoms and molecules, 24:23802
OTT, Werner Investigation of a cesium plasma diode using an electron beam probing technique, 21:42040
OTT, William Roger Polarization of Lyman-alpha radiation emitted in electron—hydrogen atom collisions, 23:41950
OTTAVI, Henri Mathematical processing of scintigraphic images, 25:4611 (CEA-R-3920)
OTTAVIANI, G. 40 keV pulsed electron accelerator, 24:45710
Anisotropy of hot electrons in high-resistivity silicon: preliminary results, 22:1323
Current pulse from semiconductor detectors, 23:7746
Dependence of electron trapping time on electric field in semi-insulating CdTe, 25:50008
Drift velocity of hot carriers in Si and associated anisotropic effects, 23:22010
Fast pulse pickoff with semiconductor radiation detectors, 21:6258
First results on proton deuteron discrimination with a single semiconductor detector, 21:17865
Preliminary results on holes preferential trapping in high resistivity Si surface barrier detectors, 22:49079
Proton—deuteron discrimination with a single semiconductor detector, 22:2358
Proton—deuteron discrimination with a single semiconductor detector, 23:22065
Radial resistivity profile in high-purity silicon, 24:39247
OTTAVIANI, P. L. Analysis of 14.1 MeV neutron scattering from ^{11}B, 25:59720
Comparison between two- and four-quasiparticle Tamm—Dancoff approximations for even-parity states of even tin isotopes calculated with finite-range forces, 22:27101
Conservation of number of particles in Tamm—Dancoff approximation for spherical superconductor nuclei, 23:31069
Excitation of zero, two, and four quasiparticles in Tamm—Dancoff theories of even-parity states of even tin isotopes, 22:39678
Four-quasi particle excitations and even-parity states of even tin isotopes, 22:20641
Four-quasiparticle excitations and two-phonon vibrational states in spherical nuclei: even-parity states of even tin isotopes, 21:13865
One- and three-quasi-particle projected states for odd-mass nuclei with a major closed shell, 24:40680
Particle-hole model for even tin isotopes, 23:37254
Projected BCS—Tamm—Dancoff approximation for even Sn isotopes, 24:15935
Proton scattering from ^{23}Na and ^{25}Mg, 25:3603
Scattering of 17.5-MeV protons by ^{23}Na, 24:43250
States (0^+) of even tin isotopes and four-quasi-particle Tamm—Dancoff approximation, 21:21545
Tamm—Dancoff approximations for even parity states of even Sn isotopes, 21:44668 (N-67-21764)
Two- and four-quasiparticle microscopic theories and spectrum of ^{114}Cd, 22:26975
Two- and four-quasiparticle Tamm—Dancoff theories of vibrational states of medium-heavy nuclei with unfilled shells of both neutrons and protons. I, 22:22635
OTTAVIANO, E. Use of interchanges involving B-type chromosomes in studying artificial mutagenesis in maize, 21:18036
OTTAWAY, J. M. Atomic-spectroscopic determination of ruthenium, 24:46187
Catalytic method for the determination of ruthenium, 23:40545
Determination of ruthenium by atomic absorption spectrophotometry, 25:8209
OTTE, H. M. Effects of shock loading on the lattice of a silicon bronze with low stacking fault energy, 22:17828
Interpretation of electron diffraction patterns from thin platelets, 21:23252 (UCRL-11852)
X-ray study of wire-drawn Nb and Ta, 22:23772
OTTE, R. A. Diagnostics and control of a coherent instability in MURA 50-MeV electron accelerator, 21:13752 (CONF-650923-36)
Operation and performance of the Univ. of Wisconsin physical sciences laboratory electron storage ring, 23:27969
OTTE, V. A. Comparison of p—p and n—p quasi-free scattering in $p + d \rightarrow p + p + n$ reaction, 25:20260
Final-state interactions in ^{6}Li(d,^{6}Lip)n reaction, 25:50645
Nucleon—nucleon quasi-free scattering in the $p + d \rightarrow p + p + n$ reaction at low bombarding energies, 25:36669
Singlet deuteron p—n correlations in the ^{12}C(p,pn)^{11}C reaction, 25:50655
OTTE, Victor Arthur p—n correlations in the ^{12}C(p,pn)^{11}C reaction, 25:14907
OTTEMAN, Joachim Uranium mineralization from mine near Pribram, 23:33277
OTTEMANN, J. Morphology and chemistry of magnetite layers, 25:58165 (AEC-tr-7237)
OTTEMANN, Joachim Microscopy, microsonde, and estimation of U—Pb ages, 22:27897 (NP-17358)
OTTEN, E. W. Data taking and signal enhancing by use of a multichannel analyzer, 24:29603
Digital programmable timing system, 24:29604
Measurement of the spin and nuclear magnetic moment of ^{20}Na, 25:28209 (CERN-70-30(Vol.1), pp 383-5)
Nuclear magnetic moment of ^{37}K, 22:32519
Nuclear quadrupole moments of neutron-deficient isotopes ^{121}Cs and ^{123}Cs, 22:18235
On-line measurements of spin and moments of nuclear ground states, 25:27914 (CERN-70-30(Vol.1), pp 361-81)
Optical pumping of short lived β-radioactive isotopes, 23:49376
Optical pumping of short-lived beta emitters, 21:38282
OTTEN, E.-W. Coupling of μ-mesonic and electronic hyperfine structure in an atom, 23:39310
Determination of nuclear dipole moment of ^{171}Yb and ^{173}Yb by optical pumping, 21:17378
Optical pumping of short-lived β emitters, 22:46752
Polarization of the nuclear dipole moments of ^{135}Ba and ^{137}Ba by optical pumping, 21:1102
Spin-exchange polarization and hfs anomaly measurement of ^{37}K, 25:38929
OTTEN, Gerhard Early changes of plasma proteins following isolated radiation of the liver, 23:26693
OTTEN, Robert Investigative studies with the laser in the treatment of basal cell epitheliomas, 22:51907
Laser treatment of tattoos, 23:29836
Laser treatment of tattoos: preliminary survey, 22:25989
Plasma torch reactions in the skin, 21:41482
OTTENBERG, E. V. Effect of original crystallographic orientation on the recrystallization temperature of wire obtained from molybdenum single crystals, 21:28767
OTTENI, Gerald A. Wave interaction in nonrelativistic electron beam-plasma systems. scientific report no. 17, 21:37441 (AFCRL-67-0375)
Wave interaction in nonrelativistic electron beam—plasma systems, 22:39072 (N-68-20825)
OTTENI, Gerald Anthony Wave interaction in nonrelativistic electron beam—plasma systems, 22:24337
OTTER, A. J. Accelerator magnet development at CRNL, 23:19030 (BNL-50120(Pt.1), pp 41-51)
Design of 4000 ton magnet for TRIUMF cyclotron, 25:31092
Extraction of multiple beams of various energies from TRIUMF negative ion isochronous cyclotron, 25:31109
Thermocouples and surface temperature measurement, 22:25563 (AECL-3062)
OTTER, F. A. Jr. Thermomagnetic effects in superconductors, 22:7239
OTTER, G. K^- meson—proton interaction at low energies, 21:40220
Low-energy K^--p charge-exchange interaction, 21:2377
Multiparticle final states produced in K^--proton interactions at 6 GeV/c, 25:40892
Reaction $K^+p \rightarrow KN\pi$ in all three final charge states at 3 GeV/c, 21:27308
Relativistic Dalitz plot for spin—parity determination of L-meson, 21:37793
Resonance peaks simulated by final-state effects, 23:49158
Veneziano-model calculations for decay $Q \rightarrow K\pi\pi$, 25:33708
OTTER, J. M. Calculations of ^{239}Pu resonance cross sections using fission widths from channel fission theory, 22:1655 (NAA-SR-12515)
Comparison of analysis of fast critical assemblies using several cross section data sets and different cross section processing codes, 24:22460
Doppler and related measurements in a soft fast-reactor spectrum, 23:11177 (AI-AEC-12705)
Effective resonance integrals and Doppler coefficients of W, 21:38311
Evaluated neutron cross sections for ^{63}Cu, ^{65}Cu, and natural copper, 23:13223 (AI-AEC-12741)
Implications about resonance parameters in ^{184}W from Doppler measurements, 21:38310
Improved calculation of effective resonance cross sections for fast spectrum assemblies, 23:31221 (AI-AEC-Memo-12756)
Measurements of resonance integral and Doppler effect in ^{184}W, 22:7693 (NAA-SR-12500)
Resonance parameter library for TRIX-1 code, 21:1078 (NAA-SR-Memo-12102)
TRIX-1, 1A, FORTRAN H operating instructions, 22:37277 (AI-AEC-Memo-12645)
TRIX-2: analytic calculation of resonance integrals and Doppler coefficients, 23:47333 (CNM-R-2(Vol.3), pp 1473-81)
TRIX-2: calculation of resonance integrals and Doppler coefficients, 21:42522 (NAA-SR-12509(Vol.1))
Tungsten resonance integrals and Doppler coefficients, 21:33956 (AI-67-93)
OTTER, John M. Comment on the calculation of the scattering cross section for multiple resonances, 21:21530
OTTER, S. Model for the motion of a charged particle in a cyclotron, 22:29808
OTTERBACH, J. Super hot zones by nuclear recoil in amine-complexes of Co, Rh, and Ir, 25:32015
OTTERLUND, I. Cascade and evaporation processes in relativistic nucleus—nucleus and proton—nucleus interactions, 23:18797
Multiply charged fragments in relativistic nucleus—nucleus collisions, 22:18334
Nucleus—nucleus collisions in the hundreds of MeV region, 23:47027
OTTERSEN, U. Unintentional fission product releases during normal and high power load conditions in a boiling heavy water test reactor, 25:31609
OTTERSEN, Ulf Experience at HBWR with activity release in connection with fuel failures, 22:12026 (HPR-87)
Operational experience with failed fuel assemblies at HBWR, 23:52381 (HPR-108)
OTTERSON, P. J. Singularity structure of causal distributions and restricted equal-time limits, 25:12133
OTTERSON, Paul Current commutators and Schwinger terms, 23:46817
OTTERSON, Paul James Some distribution theoretic aspects of current algebra, 25:12294
OTTES, J. Many-counter experiment in high-energy physics, 25:51893 (KFK-1191)
Specifications of the CAMAC 25-MHz counter module Type LEM-52/1.1, 25:459 (KFK-1184)
OTTESEN, D. Critique of high-temperature viscosity measurements of Trautz and Zink, 25:41648 (LA-4643)
OTTESEN, R. Survey of the isotope fueled small Rankine cycle power unit, 21:26113
OTTESON, O. H. Decay of ^{172}Tm, 22:9896
Linear-motion bent-crystal gamma-ray spectrometer, 21:14431 (IN-1025)
OTTESON, Otto Harvey Linear-motion bent crystal spectrometer and decay of ^{172}Tm, 22:30040
OTTEWILL, R. H. Behavior of monodisperse polystyrene lattices in solutions of La, Nd, and Th nitrates, 22:27664
OTTEWITTE, E. H. Comparison of Be photoneutron decay sets using experimental SNAP reactor data, 21:30237 (NAA-SR-Memo-12347)
Evaluation of basic cross-section data by analysis of fast critical assemblies, 21:35670 (ANL-7320, pp 80-7)
Gadolinium-155 cross section analysis for intrinsic subcriticality studies, 22:32575 (NAA-SR-Memo-12487)
Studies of fast-reactor poison materials, 21:8107
Transport-theory angular quadrature coefficients for snap reactor analysis, 22:12077 (NAA-SR-Memo-12592)
Updated sixteen-group Hansen-Roach structure library, 21:2584 (NAA-SR-Memo-11907)
OTTEWITTE, Eric New cross section needs for Zr hydride SNAP reactors, 22:37509 (AI-AEC-Memo-12673)
OTTEWITTE, Eric H. Comparison of Be photoneutron decay sets using experimental SNAP data, 22:16251
Comparison of beryllium photoneutron decay sets using experimental SNAP reactor data, 21:38631
Transuranium cross sections which influence FBR economics, 23:6003
OTTING, W. Total carbon content and primordial rare gases in chondrites, 22:172
OTTINGER, C. L. Deformation in rectangular ^{137}Cs sources, 24:41614 (ORNL-TM-3069)
Short-lived fission products program, 25:46531 (CONF-700646-, pp 34-43)
OTTINGER, Ch. Dissociation energy of Li_2 from laser-excited fluorescence, 24:9287
Metastable ions in mass spectra of CD_3CH_3 and C_2H_6, 23:49790
Metastable ions in the mass spectra of propane and deuterated propanes, 21:40921
OTTMAN, R. J. Battelle's research plutonium facility environmental control and safety, 25:54959 (CONF-710401-, pp 280-92)
OTTMANN, Francois Design and use of a gammadensimetry bench for core samples at the Laboratoire de Geologie Marine of Nantes, 25:6586
OTTMANN, M. Experimental gages for the determination of sediment settling relations and core sample density, 25:44712
OTTMAR, H. Band mixing in ^{167}Er, 24:30817
Band mixing in deformed odd-mass nuclei, 24:47602
Configuration mixing in rare-earth nuclei, 24:43344
Energy levels of ^{98}Mo excited in (n,γ) reaction, 25:25792
Excited energy levels in ^{72}Ge, 22:9840
Excited nuclear states in ^{68}Zn, 25:22999
Excited states in ^{62}Ni studied by the (n,γ) reaction, 24:43207
Excited states of ^{58}Fe through γ emission following thermal neutron capture, 23:25882
Excited states of ^{61}Ni studied by the (n,γ) reaction, 24:40586
Gamma decay of ^{96}Mo and ^{98}Mo, 24:47590
Nuclear excitations in ^{68}Zn, 24:47588
Nuclear structure studies on ^{98}Mo, 24:43343
Nuclear structure studies with radiative neutron capture, 22:3698 (KFK-616)
Nuclear structure studies with radiative neutron capture, 22:26999
Shell model configurations in even spherical nuclei, 24:47587
Two-quasiparticle states in ^{168}Er, 25:15000
OTTO, A. Anisotropy of electron energy loss spectra in anthracene single crystals, 24:3145
Characteristic energy losses of 30-keV electrons in vapors of aromatic hydrocarbons, 24:3173
Dependence of energy and intensity of surface plasma oscillations in Al foils on angle of incidence of the electron, 21:43765
OTTO, B. Section preparation of molybdenum alloys on a vibratory polisher, 24:25653 (NP-tr-1889)
OTTO, Barbara T-invariance and Compton scattering of protons, 21:29600 (DESY-67/8)
OTTO, Brigitte Metallographic techniques applied to molybdenum single crystals. IV, 22:45776
Metallographic techniques applied to molybdenum single crystals. III, 23:6674
OTTO, C. H. Low-resolution mass spectra of some silicon-containing compounds, 24:20680 (UCRL-50808)
OTTO, Charles H. Jr. Precipitation of beryllium from homogeneous solution by decomposition of an acetylacetone species in basic solution, 22:158
OTTO, Edward Transient radiation in a plane stratified dispersive medium. II, 23:36747
OTTO, Fred B. Paramagnetic resonance of F_2^- ions trapped in irradiated KHF_2, 21:15226
OTTO, G. Automatic evacuation plant, 22:46669
Critical data for some type-II superconductors, 23:36617
Critical data of some A15-type superconductors, 23:36618
DWBA calculations of reaction ^{10}B(d,pγ)^{11}B, 24:38107
Fine structure of isobaric analog resonance in reactions ^{55}Mn(p,γ)^{56}Fe and ^{55}Mn(p,n)^{55}Fe, 23:21293 (ZFK-130, pp 96-9)
Gamma decay of isobaric analog states in ^{56}Fe, 24:43194

- Information on isobaric analog states in ^{56}Fe, 23:21294 (ZFK-130, pp 100-3)
- Investigations on superconducting diffusion layers with an electron beam microprobe, 25:26159
- Isobaric analog states in ^{56}Fe, 21:46707
- Isobaric analogue states in ^{56}Fe, 24:43445
- Isobaric-analog resonances in the reactions ^{55}Mn(p,γ)^{56}Fe and ^{55}Mn(p,n)^{55}Fe, 22:18191
- Isolating surface layers on metallic conductors produced by ion bombardment, 24:19963
- Superconductivity of some solid solutions between compounds of A15 structure on Ni base, 22:48059
- Superconductivity of some solid solutions, 23:5359
- Synthesis of Nb_3Sn by shock waves, 25:38302
- Universal scattering chamber for experimental nuclear physics, 23:46875

OTTO, G. W. Calorimetric determination of the half-lives of ^{228}Th and ^{224}Ra, 25:46086
- Technique for direct measurement of thermal power in assay calorimeters, 25:26548 (MLM-1780)
- Water bath calorimeter no. 94, 21:36426 (MLM-1341)

OTTO, H. E. Description of control experiment in EUROCHEMIC reprocessing facility, 24:20849 (KFK-907)
- Qualitative safeguard measures in sphere of control of fissionable material, 25:23754 (KFK-1108)
- Safeguard exercise at fabrication plant ALKEM, 23:40804 (KFK-901)

OTTO, H. J. Differential diagnosis of brain alterations caused by tumor and vascular processes with radioactive isotope blood flow measurements, 25:11149
- Multi-pion exchange contribution to nucleon—nucleon binding and the electrodisintegration of deuterons, 25:56527

OTTO, H.-J. Diagnosis of brain tumors with ^{197}Hg—neohydrine gamma encephalography, 21:43491
- Influencing blood and serum cholesterin level by x irradiation, 21:14694

OTTO, K. Studies of surface reactions of NO by isotope labeling. II. Deuterium kinetic isotope effect in the ammonia—nitric oxide reaction on a supported platinum catalyst, 25:29063

OTTO, Kl. Uranium—hydrogen system and kinetics of U hydride formation, 21:45095 (LA-tr-67-82)

OTTO, Milton C. Metal plating process and article made thereby, 22:26035

OTTO, R. Decontaminability of surfaces, 23:19851
- Decontaminating solution for plastic and lacquer surfaces contaminated with radioactive nuclides, 22:38289
- Decontamination of wastes, 22:51057
- Experimental report on decontamination of radioactive wastes, 22:51203 (SZS-9/68, pp 1-12)
- Formation of ^{75}Se after application of radioactive sodium selenite to normal tissue and to tumors in vitro and in vivo, 25:46681
- Methods for decontamination of radioactive wastes, 22:51202 (SZS-9/68)
- Simple method for checking on radioactive waste, 23:49921
- Use of kieselguhr for decontaminating sewage containing ^{137}Cs, 21:17709
- Use of Kieselguhr, multiclone powders, and several other adsorbants for decontamination, 22:51204 (SZS-9/68, pp 14-25)

OTTO, William H. Prog. rpt. on high-temperature fibers and core-sheath fiber development, final, 9/65—10/66, 22:723 (AD-649537)

OTTOLENGHI, Athos Prog. rpt. on effect of radiation on mucosal phospholipase activity, annual, 10/65—10/66, 21:20028 (ORO-3329-2)
- Prog. rpt. on the effect of radiation on mucosal phospholipase activity, 1967—70, 25:4455 (ORO-3329-7)

OTTOLENGHI, G. Histological findings in normal tissue irradiated under the protection of a grid, 24:6049

OTTOLENGHI, M. Isotopic exchange induced by excitation of the iodine—iodobenzene charge-transfer complex, 24:13817
- Spectra in pulse irradiated metaphosphate glasses, 24:13981

OTTOMAN, Richard E. Total-skin electron-beam therapy, 21:4827
- Use of chromosome aberrations to estimate x-ray and gamma-ray dose to man, 22:43298 (AD-666713)

OTTOSON, H. L. Startup of San Onofre, 23:31108 (CONF-690113-6)

OTTOSON, Ulf Classification of the unitary irreducible representations of SU(N,1), 23:3772
- Classification of unitary irreducible representations of $SO_0(N,1)$, 22:35040

OTTOZ, A. Research report on measurement of average number of prompt neutrons, 25:20373 (LIB/Trans-300)

OTTS, John V. Shock reproduction on shakers, 25:51722

OTUS, Mahmut Structural stability of large cavities for Project Payette, 22:42920 (CONF-680908-1)

OTWAY, H. J. Application of risk allocation to reactor siting and design, 24:7037

OTWAY, Harry J. Application of risk allocation to reactor siting and design, 24:33214 (LA-4316)
- Economic vs biological risk as reactor design criteria, 25:60003
- Leukemia and thyroid carcinoma: a comparison of the late mortality risks from reactor accidents, 25:6808
- Method for estimating risk from Plowshare detonation, 25:4172
- Method for estimating the risk from a Plowshare detonation, 25:39938
- Reactor siting and design from a risk viewpoint, 24:50168
- Risk analysis of Omega West Reactor, 24:38602 (LA-4449)
- Risk estimate for an urban-sited reactor, 25:51014
- Risk estimate for an urban-sited research reactor, 25:6103

OTWAY, Harry John Application of risk allocation to reactor siting and design, 24:50157

OTWINOWSKI, S. Analysis of D^0 meson in reaction $\pi^+p \to p\pi^+\pi^+\pi^-\pi^-\pi^0$ at 8 GeV/c, 25:12191 (INR-P-1207)
- Baryon variables in high-multiplicity interactions at high energy, 22:24550
- D^0 meson in reaction $\pi^+p \to p\pi^+\pi^+\pi^-\pi^-\pi^0$ at 8 GeV/c, 23:42565
- Fitting effective mass distributions in many-body reactions, 23:27805
- Further analysis of D^0 meson in reaction $\pi^+p \to p\pi^+\pi^+\pi^-\pi^-\pi^0$ at 8 GeV/c, 25:47752
- Six-prong interactions of 8 GeV/c π^+ in H, 21:18923

OTWINOWSKI, Stanislaw Six prong interactions of 8 GeV/c π^+ in hydrogen, 21:21139 (INR-761/VI/PH)

OTWINOWSKI, W. Method of neutron activation analysis for investigating the purity of various materials, 22:4050

OU, Jenn-wuu Magnetohydrodynamic channel flow of suspension, 24:45081

OU, Li-tse Study of edestin by ultracentrifugation, 21:32574
- Ultracentrifugal study of bovine hemoglobin, 21:10784

OUANNES, C. Proposal for a real-time processing of post kinematics data, 21:41248
- Study of pp interactions at 28.5 GeV/c in two- and four-prong final states, 22:7434 (BNL-11980)
- Utilization of an on-line measuring system, 21:41244

OUANNES, Claude Pangloss, a CRT device for bubble chamber pictures, 25:13258 (CERN-70-21(Vol.1), pp 401-25)

OUCHEV, Iv. Diagnosis and treatment of thyroiditis with radio-active I, 25:24240

OUCHI, Atsuhiro Quantitative determination of mercury in hair by activation analysis, 21:12366

OUCHI, Atsuyoshi Medical linear accelerator NELAC-1006, 21:29695

OUCHI, Eiji Intensity decrease of vlf hiss associated with sc of 9/3/66, 22:24143

OUCHI, Misao Origin of H gas released from UO_2, 24:48890
- Temperature dependence of gases released from UO_2 pellets with polyvinyl alcohol binder, 24:46232

OUCHI, Seiji uv inactivation of tobacco mosaic virus, 23:48286

OUCHI, Shinpei Device for irradiating in a reactor with a hydraulic rabbit, 23:13919
- Device in sample holder for winding and unwinding a measuring lead wire in a hydraulic-tube irradiation facility, 22:48740
- New method of temperature control in capsule irradiation vacuum control method, 22:22850

OUCHI, Yoshihiko Analysis of U in Zircaloy, 23:45174
- Analytical application of x-ray excited optical fluorescence spectra. III, 24:29207
- Analytical applications of x-ray excited optical fluorescence spectra. I, 25:29
- Determination of small amounts of Hf, Co, Cu, W, in Zr and Zr alloys by fluorescent x-ray analysis, 25:31806
- Fluorescent x-ray analysis of high-purity Dy_2O_3, 21:40795

OUCHI, Yoshihiro Effect of orifice pressure drop on burnout heat flux in parallel channels, 21:8519
- Effect of orifice pressure drop on burn-out heat flux in parallel channels, 23:4205 (NSJ-tr-131)
- Method for measuring void fraction by electromagnetic flowmeters, 21:1507 (JAERI-1111)

OUDAR, J. Radiochemical method for determining composition of H_2S—H_2 gaseous mixtures, 22:22940

OUDAR, Jacques Enthalpy of formation of W sulfide WS_2, 24:43998
- Radiochemical method for determination of S in metals, 24:29217

OUDEMANS, G. J. Continuous hot-pressing technique, 23:34063

OUDET, Chantal New network for obtaining instantaneous images of the Sun at 169 MHz, 22:10660

OUDET, J. Angular correlations and distributions in anti pp annihilation into eight and nine pions at 5.7 GeV/c, 23:14962
- Antiproton—proton annihilation into six charged pions and resonance production in the anti pp $\to 3\pi^+3\pi^-\pi^0$ channel at 5.7 GeV/c, 22:22305

OUDIN, L. Optical transmission of a point on a radiological screen with a system of two lens, 23:50208 (NP-17998)

OUELLETTE, R. J. Extinction coefficient matrix for atmospheric transmission, 24:3237 (EGG-1183-435(Rev.))
- On higher-order effects in some abnormal allowed beta transitions, 22:18267

OUELLETTE, R. P. Determination of iodine-containing compounds by neutron activation of ^{129}I, 21:4456

OUELLETTE, Robert P. Dosage levels of ^{131}I in the treatment of thyrotoxicosis, 22:38376

OUKI, Keiichi Statistical observations on lymphosarcoma and leukosarcoma and the PAS reaction in abnormal lymphatic cells in Nagasaki, 21:11104

OURISSON, Guy Transannular hydride shifts. Mechanistic study in the longifolene series, 25:29050

OUSEPH, P. J. Dysprosium-161 isomer shifts in Dy compounds, 23:51812

OUSHEVA, N. Radiometric method of serial measurement of photosynthesis in unicellular algae, 25:23945

OUSTRIN, J. Preparation of whole blood samples for ^{14}C counting in liquid scintillator, 25:15524

OUTCALT, E. E. Shear wave testing program, 21:26014 (GACD-7883)

OUTI, A. Cosmic-ray variations during geomagnetic storms, 25:11745

OUTI, Akizi Model of dispersive nonlinear equation. II, 22:52800

OUTLAW, R. A. Ultrahigh vacuum produced by a combination of turbomolecular and titanium sublimation pumping, 21:6182

OUTRAM, W. J. Dounreay prototype fast reactor, 24:16134

OUTRED, M. Spreading outside an electron beam of positive bands of N, 24:45024

OUVRY, F. Prompt fission neutrons measurement of anti τ and of the probabilities P(τ) of emission of τ neutrons, 22:18290

OUVRY, Francoise Transuraniums, 23:47011

OUWEHAND, R. W. Preparation and acetolysis of 5-deuteriated exo-norbornyl brosylates, 25:2172

OUWELTJES, W. Reaction between CO_2 and liquid Na, 24:11536

OUWERKERK, Th. Sterilization of clinical equipment by γ radiation, 23:12258

OUYE, M. T. Effect of ultraviolet irradiation on egg hatch, subsequent larval development, and adult longevity of tobacco budworm and bollworm, 22:36347

OVADIA, J. Electron-beam technique and skin reaction of postoperative irradiation of axilla and supraclavicular nodes in breast carcinoma, 24:32138
- Physical aspects of electron therapy with a 35 MeV linear accelerator, 23:6532
- Pulse radiolysis of aqueous eosin, 21:28007
- Pulse radiolysis of eosin-human serum albumin complex, 24:38930

OVADIA, Jacques Discussion [electron beam energy calibration], 23:50504
- Sandwich and grid techniques, 22:51751
- Treatment plans in homogeneous tissue, using electrons, 23:50766

OVAKIMOV, V. G. Bioelectrical activity of the cerebral cortex in rabbits in conditions of prolonged administration of radioactive zinc, 25:21872
- Effect of prolonged internal irradiation of rabbits with $^{65}ZnCl_2$, 25:21873
- Genetic effects of chronic γ-irradiation of Drosophila melanogaster males, 25:42350
- Influence of hypophysis on the function of adrenal gland cortex during radiation syndrome caused by radioactive phosphorus injection, 21:22341
- Influence of ionizing radiation and radio-protectors on the antihyaluronidase activity of blood serum and tissue permeability in rats, 25:19031
- Influence of mexamine on the distribution of ^{35}S-cystaphos in organism and analysis of the protective effect of a complex of these protectors, 24:9878
- Protective effects of biogenic amines in the radiation intestinal syndrome, 25:11102
- Quantitative characteristics of the radioprotective effect of mexamine, 24:27614

OVANDER, L. N. Effects of radioinduced defects on certain mechanical properties of materials, 25:40061 (FEI-192)
- Theory of the effect of irradiation on the creep of metals, 25:22125

OVCHAR, L. A. Flame photometric determination of Dy, Ho, Er, Tm, Y, and Sc, 21:12416

OVCHARENKO, A. A. Investigation of plasma behavior in the alternating electric field. II, 22:17694
- Investigation of plasma behavior in the alternating electric field. I, 22:17693
- Plasma behavior in ac electric field. II, 23:1435 (N-68-28449)

OVCHARENKO, E. P. Characteristics of metabolism of ^{144}Ce chloride in rats after partial hepatectomy, 21:34594
- Radionuclide transfer through placenta, 24:23074 (CONF-690501-, pp 153-60)
- Transference of radioactive substances from the mother to the fetus, 24:4554

OVCHARENKO, O. N. Dimensional effect in magnetization of strong superconductors, 25:27644 (KHFTI-70-8)
- Effects of heat treatment on the superconducting properties of Nb—Ta alloys, 25:36054
- Investigation of the superconducting properties of alloys with a niobium base, 22:31766
- Phase diagram of the niobium—tin system, 21:9514
- Size effect on magnetizing hard superconductors, 24:21719
- Superconductivity of V_3Ga, 21:9517
- Width of homogeneity region of intermetallic phases in Nb—Sn and V—Ga, 21:3775

OVCHARENKO, V. A. Effect of throttling on efficiency of Rankine cycle with MHD generators, 22:52574

OVCHARENKO, V. I. Application of perturbation theory in inverse powers of interaction parameter to the three-nucleon system, 22:14118
- Application of perturbation theory to inverse powers of the interaction parameters for a system of three nucleons, 22:14072 (ITF-67-12)
- β-transitions in model of non-axial odd nucleus, 24:6950 (ITF-69-52)
- Electric quadrupole moments of first 2^+ states of even nuclei, 22:22605
- Electric quadrupole moments of the first 2^+ states of even nuclei, 22:1706 (ITF-67-14)
- Electromagnetic transitions in nonaxial odd nuclei, 23:44929
- Energy levels of three-particle system, 25:28163 (ITF-70-100-P)
- Properties of nonaxial odd nuclei, 23:19327 (ITF-68-58)
- Sum rules for reduced probabilities of E2 transitions in non-axial even-even nuclei, 21:1135
- Sum rules in model of a nonaxial odd nucleus, 23:44991

OVCHAROV, A. T. Annealing of radiation-induced decrease of CaF_2 crystal density, 25:49980
- Effect of radiation on microhardness of CaF_2, 25:49984
- Proton radiation effects on kinetics of microhardness variations in CaF_2 crystals, 23:51774
- Radiation expansion of CaF_2 crystals, 24:21871

OVCHAROV, V. T. Approximate solution of the internal problem of the theory of formation of electron beams, 25:9618
- External problem for paraxial electron beams, 22:29798

OVCHAROVA, P. Late CNS sequelae of x irradiation, 21:8884

OVCHENKOV, V. J. Translocation of natural radioactive elements, 24:41785
OVCHINIKOV, F. Ya. Nuclear power engineering in Soviet Union, 24:18556
OVCHINNIKOV, A. A. Electronic—vibrational states of ions formed by electron impact, 24:15155
OVCHINNIKOV, A. K. Effective atomic number of homogeneous media with γ sources, 23:12953
Fast-neutron thermalization time in silicate ores of varying moisture content, 25:13109
Gamma radiation of uranium and its daughter products in radioactive ore bodies, 21:193 (AEC-tr-6830)
New radiometric apparatus for prospecting radioactive ores, 25:57867
Radiation resistance of type ZnS + ^{10}B detectors to neutrons, 25:18880
OVCHINNIKOV, A. M. Scintillation γ camera with CsI(Rb) image-forming crystal, 22:28071
OVCHINNIKOV, A. P. Field-emission study of the adsorption of sodium on faces of tungsten and rhenium single crystals, 22:13560
OVCHINNIKOV, B. M. Acoustic spark chamber for recording multitrack events, 23:33525
Comparison of experimental results on meson production in pp collisions at 660 MeV with the OPE model predictions, 25:25297 (JINR-P1-5571)
Investigation of the reaction pp $\rightarrow$ π^+ np at 650 MeV, 25:17370 (JINR-P1-5570)
Microphones for recording separate sparks in spark chambers, 23:45554
Spark chamber with automatic measurement of spark coordinates, 21:6288
OVCHINNIKOV, E. P. Acceleration of electrons in circular phasotron, 21:9880
Electron ring phasotron, 21:40320
FIAN electron circular synchrocyclotron. I, 22:32384
FIAN electron circular synchrocyclotron. XI, 22:32405
FIAN electron circular synchrocyclotron. VIII, 22:32408
Machine experiments on ring phasotron of Lebedev Physical Institute, 22:32303 (CEAL-2000, pp 419-22)
Startup of symmetric ring phasotron, 21:2561
OVCHINNIKOV, F. J. Novovoronezh Nuclear Power Station operation, 24:24725
OVCHINNIKOV, F. Ya. Basic operational characteristics of new reactor unit given, 25:34225 (JPRS-53069, pp 25-46)
Burn-up determination in fuel elements of the Novo-Voronezh Atomic Power Plant, 24:1959
Five years of operation of the Novo-Voronezhskaya Atomic Power Station, 24:13486 (JPRS-49570)
Five-years operation of Novo-Voronezh Nuclear Power Station, 24:1958
Reactor coolant γ-spectra in Novo-Voronezh, 23:37388
OVCHINNIKOV, I. M. Stabilization of double-T bridges used in NMR spectrometers, 23:33563
OVCHINNIKOV, S. E. Method for resistance welding of Mo, 23:51021
OVCHINNIKOV, S. S. Conditions for generating dense plasma in metal chamber, 21:15187
Excitation of ion cyclotron waves in a plasma in a toroidal magnetic trap, 25:7359
Excitation of plasma waves near the lower hybrid resonance, 24:37520
Experiments on high-frequency heating of a plasma in a toroidal trap, 25:38392 (CONF-710607-144)
OVCHINNIKOV, Yu. N. Critical current of thin films for diffuse reflection from the walls, 23:32297
Effect of strong magnetic field on small size superconductors, 23:51567
Excitation state density in thin superconducting films located in a magnetic field, 25:17107
Josephson effect in superconductors separated by a normal metal, 22:44045
Properties of thin superconducting films in high frequency fields, 24:45187
Quasi-classical method in superconductivity theory, 23:8566
Radiation line width in Josephson effect, 22:13401
Tunnel effect between superconductors in an alternating field, 21:5228
OVCHINNIKOVA, G. A. Response of hypothalamo-pituitary system to administration of ^{210}Po and ^{90}Sr, 23:22369 (AEC-tr-6944, pp 300-8)
OVCHINNIKOVA, G. V. On the constancy of the rate of radioactive decay, 24:44109
Rate constants of ^{238}U spontaneous fission according to Xe accumulation in minerals, 22:25505
OVCHINNIKOVA, M. Ya. Theory of anomaly of differential scattering cross sections for high-energy atoms, 25:58767
Theory of oscillations of the inelastic differential cross section at high energies, 25:16828
OVCHINNIKOVA, N. A. Experimental investigation of high frequency instability of an ion beam interacting with an electron background, 23:51628
OVCHINNIKOVA, V. D. Complex compounds of scandium with methylthymol blue, 23:34977
OVCHINNINKOV, F. Ya. Basic operational characteristics of the reactor system of the second unit of the novo-voronezh atomic power plant, 25:48161
OVDEICHUK, R. A. Activity of hydrolytic enzymes of the small intestine in the early periods of postnatal life in prenataly irradiated rats, 24:50734
OVDIENKO, N. I. Disturbances in hepatic and renal function of dogs in late stages of chronic poisoning with ^{90}Sr, 23:22378 (AEC-tr-6944, pp 384-99)
Effects of oxathiole on condition of liver and kidneys during ^{210}Po-induced chronic radiation sickness, 25:29563
OVECHKIN, D. M. Eight years operation of the BR-5 reactor, 23:52417
Experimental study of heat transfer from horizontal flat surface to sodium under free convection, 22:8298 (BNL-tr-167)
Results of eight years of operation of BR-5 reactor, 23:11269 (AEC-tr-6976)
Similarities and differences in pool boiling heat transfer of liquid metals, 23:11716
Sodium boiling heat transfer in conditions of natural convection, 22:35993
Some problems of boiling and outgassing in sodium, 23:52337 (JPRS-48330, pp 396-425)
OVECHKIN, G. V. Inhomogenity of arc plasma and calibration curves displacement, 21:786
OVECHKIN, O. A. Influence of spark discharges on the true structure of tungsten crystals, 22:43604
OVECHKIN, V. V. Compton semiconductor gamma spectrometer with improved sensitivity, 21:22144
Gamma-spectrum of ^{106}Rh, 21:2749
OVECHKIN, V. Ya. Investigation of the state of iodine molecules behind a shock-wave front, 21:607
Production of an intensive pulse of weak x radiation, 21:6341
OVECKA, M. Protective effect of fat in radiation sickness, 21:12899
OVENALL, Derick W. Versatile sweep system for Varian Associates HA-100 NMR spectrometer, 24:530
OVENDEN, M. W. Anomalous excitation on 57 Cygni, 24:10245
OVENDEN, Michael W. Distribution of longitudes of periastron, 22:49908
Masses of spectroscopic binary stars in the Sixth Catalogue, 22:43833
OVERALL, John E. Narrowing of attention in Rhesus monkeys as chronic effect of sublethal radiation, 23:33822 (AD-681071)
Novelty learning sets in Rhesus monkeys, 23:35867 (AD-681073)
OVERBECK, James W. High-energy x rays from cygnus XR-1, 22:853
High-resolution search for solar gamma-ray lines, 24:21498
Time variations in Scorpius X-1 and Cygnus X-1, 22:49938
Twofold increase of high-energy x-ray flux from Cygnus XR-1, 22:8973
OVERBECK, W. Diagnosis and treatment of radiation-induced stenosis of the sigma, 25:599
OVERBECK, W. P. Transuranium elements as byproducts of nuclear fuel reprocessing, 21:40880 (CONF-670542-, Paper 10)
Transuranium elements as byproducts of nuclear fuel reprocessing, 21:42962 (CONF-670542-1)
OVERBERGER, C. G. Conference on macromolecular chemistry, Prague, 8—9/65. VII, 23:31271
Conference on macromolecular chemistry, Brussels—Louvain, 6/67. II, 23:47561
OVERCASH, D. R. Effect of elastic stress on some electronic properties of indium, 24:10477
Fermi-surface topology changes in In alloys deduced from the behavior of T/sub c/ under strain, 25:30435
OVERCASH, Danny Ray Fermi surface topology changes in In alloys, 25:12032
OVEREND, John Nu$_4$ bands of ^{10}BF$_3$ and ^{11}BF$_3$ at high resolution, 25:10533
Vibrational assignments and potential constants for cis- and trans-1,2-difluoroethylenes and their deuterated modifications, 23:43330
OVEREND, R. P. Thermal decomposition of a low-viscosity epoxy resin, 23:30198 (AEEW-M-831)
OVEREND, W. G. The effect of γ rays on deoxyribonucleic acids, 22:12801
OVERGÅRD, J. Chr K-shell particle parameters for E2 transitions in ^{152}Sm and ^{154}Gd, 23:15482
OVERHAUSER, A. W. Exchange potentials in a nonuniform electron gas, 24:42846
Quantized circulation and heat torques, 22:5283
OVERHILL, T. D. Fallout shelter, 22:49046
OVERHOFF, D. Characterization of carbons and graphites through analysis of x-ray interference, 24:11382 (ORNL-tr-2209)
OVERHOFF, Dieter New forms of carbon, 24:42238
OVERHOLSER, L. G. Coated-particle fuels, 23:6715 (ORNL-4324)
Compatibility of pyrolytic-carbon coated fuel particles with water vapor, 21:26873 (ORNL-4014)
Oxidation of bonded coated-particle fuel compacts by steam, 22:42201 (ORNL-4269)
Oxidation of carbonaceous materials by water vapor, 22:26070 (ORNL-4229, pp 119-24)
Oxidation of pyrolytic-carbon-coated fuel particles by low concentrations of water vapor, 22:41084 (ORNL-TM-2199)
OVERHOLT, Sharon Thymineless death in E. coli 15T$^-$, 24:27724
OVERLEY, J. C. Boron-11-induced single-nucleon transfer reactions, 22:9792
Energy calibration of tandem accelerators, 23:17046
Mechanism of nucleon transfer reactions induced by 148-MeV ^{14}N ions, 21:31726
Nonexistence of 14.6-MeV state in ^{7}Be, 23:15363
Radiation shielding for an MP tandem accelerator installation, 21:33834
OVERMAN, Allen R. Transient convective diffusion in capillaries, 22:47117
OVERMAN, I. High-energy photoproduction of charged pions at backward angles, 23:49030
Photoproduction of $K^+\Lambda$ and $K^+\Sigma^0$ from H at backward angles, 23:51834
OVERMAN, R. F. ^{208}Tl and ^{24}Na gamma sources for identifying soil water tagged with deuterium, 25:37495
Foil measurements of integral cross sections of higher mass actinides, 22:20567 (DP-MS-67-112)
Gamma-photoneutron method for laboratory studies of soil water, 24:44104
Miscible displacement measurements within laboratory columns using the gamma-photoneutron method, 25:18523
Rapid separation of berkelium from rare earth fission products and trivalent actinides, 25:23526
Use of γ-neutron reaction for determining D_2O in H_2O and in tracing soil moisture, 23:13654 (DP-MS-68-9)
OVERMAN, R. R. Circulatory response to supralethal exposure of whole-body x-irradiation, 22:45687
Effects of whole-body x irradiation on kidney in dog, 23:45918
OVERMAN, Richard R. Radiochemoprophylaxis in acute whole-body radiation, 21:34699
Radiochemoprophylaxis in acute whole-body radiation, 22:51801
OVERMAN, Robert F. Comparison of methods for assaying ^{252}Cf, 25:15512 (DP-1243)
Preparation of high energy γ source by electrodeposition of ^{228}Th from fused salts, 24:376 (DP-1166)
Use of gamma-neutron reaction for determining D_2O in H_2O and in tracing soil moisture, 22:30693
OVERMEYER, R. F. Prog. rpt. on radiation effects in dielectric materials, 9—11/66, 22:416 (AD-648643)
Prog. rpt. on radiation effects on dielectric materials, final, 7/1/66—9/30/66, 21:46023 (AD-645535)
OVERSBY, J. P. Electron spin resonance studies of fundamental processes in radiation- and photo-chemistry. VI, 25:34641
Electron spin resonance studies of fundamental processes in radiation- and photo-chemistry. VII, 25:51513
Electron spin resonance study of dissociative electron capture processes in gamma irradiated amino-acids, 22:2110
OVERSBY, V. M. Isotopic analysis of microgram quantities of lead iodide using an electron-bombardment source mass spectrometer, 25:10466
Isotopic composition of lead in volcanic rocks, 25:34740
Lead isotope compositions and uranium decay series disequilibrium in recent volcanic rocks, 23:7633
OVERSBY, Virginia M. Isotopic composition of lead from oceanic islands, 24:25121
Isotopic composition of lead in iron meteorites, 24:14999
OVERSETH, O. E. Asymmetry parameter for $\Lambda^0 \rightarrow n\pi^0$, 24:24222
Determination of relative sign of amplitudes in Λ^0 decay, 21:37758
Deuteron beams at the 200-GeV accelerator, 24:52271 (TID-25473(Vol.1), pp 97-100)
Differential cross sections for $p + p \rightarrow d + \pi^+$ from 1 to 3 GeV, 22:22304
Nonleptonic hyperon decay, 24:3594
Nonleptonic weak decay processes, 24:52049
Polarized proton beam from Λ^0 decay, 24:52264 (TID-25473(Vol.1), pp 27-31)
Polarized protons at the 200-GeV accelerator, 24:52263 (TID-25473(Vol.1), pp 19-25)
Proton polarization in $\Sigma^+ \rightarrow p\pi^0$, 24:12944
Scattering of protons by deuterium from 1.0 to 2.0 GeV, 22:11583
Time reversal invariance in Λ^0 decay, 21:37759
OVERSETH, Oliver E. Experiments in time reversal, 23:49179
OVERSTREET, Edmund W. Altered in vitro erythrocyte kinetics of ^{86}Rb, 23:35808
OVERSTREET, R. Strontium-85 translocation in plants, 21:22314
OVERSTREET, Roy Effect of various cations upon absorption of carrier-free cesium, 21:28458
Prog. rpt. on decontamination of soils containing salt and radioactive elements, annual, 1965—66, 21:366 (UCB-34-P-23-1)
Prog. rpt. on mechanism and kinetics of mineral absorption by plants, annual, 10/66—9/67, 22:21011 (UCB-34-P-5-47)
Uptake of carrier-free ^{137}Cs by Ramalina reticulata, 22:51324
OVERSTREET, William C. Thorium and U in detrital monazite from Georgia Piedmont, 24:329
OVERTON, T. R. Excretion and retention by humans of chronically inhaled uranium dioxide, 24:21104
Experience with linear energy transfer chamber, 21:19976 (CERN-66-33)
Time variation of the dose rate from radioactivity induced in a high-energy particle accelerator, 22:24749 (CERN/DI/HP-45(Rev.))
Value of radioisotope scanning in the investigation of suspected carcinoma of the pancreas, 25:49238
OVERTON, W. C. Superconducting Zn—Cd films for temperature pulse detection below 0.8 K, 23:23041
OVERTON, W. C. Jr. Faraday effect at low temperatures in terbium alumina silicate glass, 22:39197
Suppl. to tables for evaluation of Debye characteristic temperature of cubic crystals from elastic constants, 21:11692 (LA-3615(Suppl.))
Tables for rapid evaluation of Debye characteristic temperature of cubic crystals from elastic constants, 21:7333 (LA-3615)
OVEZGEL'DEV, O. Dependence of maximum f_0E/sub s/ value on lifetime of E/sub s/, 22:24114
Frequency characteristics and fine structure of E/sub s/, 22:38942
Frequency characteristics of the E/sub s/ layer and technical parameters of equipment, 24:30257
Frequency dependence of rhoE/sub s/, 24:30271
Relation of E/sub s/ to magnetic activity, 21:29113
Spaced sounding of the E/sub s/ layer, 25:2993
Stratifications in ionospheric sporadic E, 22:38941
Study of h'E/sub s/ and f_0E/sub s/ variations, 21:39914
OVEZGEL'DYYEV, O. Patterns of occurrence and spatial characteristics of E/sub s/, 22:34454
OVINGTON, J. D. Strontium-90 in maize field, cattail marsh, and oakwood ecosystems, 21:26442
OVSEICHUK, E. A. Effect of deformation on superconductivity characteristics of niobium and vanadium, 21:20882
Superconducting properties of vanadium—niobium alloys, 21:46284
OVSEPYAN, A. V. Effect of neutronization of the critical parameters of isothermal white dwarfs, 25:2832
OVSEPYAN, E. N. Determination of uranium using benzothiazine dyes, 25:20921

Extraction of U(VI)—benzoic acid anion complex by some thiazine dyestuffs, 25:34534
Investigation of reaction of acid complexes of U(VI) with basic dyes: methyl green, 25:34509
New reagents for extraction-photometric determination of tantalum, 25:46431
New reagents for the extraction—photometric determination of tantalum, 25:34506
Peculiarities of the extractive-photometric determination of tantalum by basic dyestuffs, 25:34533
OVSEPYAN, E. S. Influence of technological factors on mechanical properties of molybdenum alloys at low temperatures, 25:32714
OVSEYCHUK, E. A. Superconductivity of vanadium—niobium alloys, 22:15497
OVSHINSKY, Stanford R. Radiation hardness of Ovonic devices, 23:17872
OVSIENKO, D. E. Conference on growth and imperfections of metallic crystals, Kiev, 6/65, 24:28444
OVSOV, Yu. V. Semiautomatic television device for measuring ionization losses, 25:42142
OVSYAK, Tadeush Bore-hole neutron generator, 22:28189
OVSYANKIN, M. A. Models of large ionospheric inhomogeneities, 25:47438
Preliminary results in determining the anisometry of large ionospheric inhomogeneities by the radio astronomy method, 21:25022
Radio astronomical investigations of the parameters of large-scale ionospheric inhomogeneities, 24:10445
Radio-astronomical investigation of ionospheric inhomogeneities, 23:20816
Relating large ionospheric inhomogeneities to the sun according to radio astronomy data, 21:25021
OVSYANNIKOV, A. A. Use of laser interferometers for determining electron concentration in plasma jets, 22:5314
OVSYANNIKOV, V. A. Influence of transverse magnetic field on the toroidal discharge in the Tuman machine, 23:12756
Investigation of plasma compression using microwave reflection, 24:37440
Research on ultra-high-frequency heating and adiabatic compression of a plasma in the Tuman-2 facility, 25:38389 (CONF-710607-141)
Studies of plasma pinch by reflection of ultrahigh frequency waves, 22:44089 (NP-17570)
Study of plasma compression by means of reflection of superhigh-frequency waves, 22:39032 (MATT-Trans-59)
OVSYANNIKOV, V. D. Interaction of one: particle and rotational motions in nuclei, 24:1900
OVSYANNIKOV, V. M. Features of a double-beam accelerating structure, 25:36623
OVSYANNIKOVA, I. A. Phase transitions in solids induced by shock waves, 23:12436
OVSYANNIKOVA, L. P. Aberrations of asymmetrized quadrupole lenses, 25:20151
Aberrations of asymmetrized quadrupole lenses, 25:56604
Aberrations of electrostatic quadrupole lenses, 23:19098
Effective length of asymmetrized quadrupole lenses, 24:13238
Influence of the form of the electrodes and poles of quadrupole lenses on the quality of the image produced by them, 21:39802
Spherical aberration of a short quadrupole lens taking into account the influence of pole and electrode shapes, 23:52099
Spherical aberration of an electromagnetic quadrupole doublet, 21:4165
Theory of weak lenses in electron optics, 24:1713
Third-order theory of asymmetrized quadrupole lenses, 24:3816
OWAKI, Makoto ELF noise-bursts and enhanced oscillations associated with solar-flare, 7/7/66, 21:15031
OWAKI, Naoaki An active region streamer of the solar corona, 22:43674
OWAKI, Shigehiro Newly constructed hot caves, 24:31570
Scintillation pulse shapes of anthracene single crystals. I, 24:16860
Scintillation pulse shapes of anthracene single crystals. II, 24:25277
OWCZARCZYK, A. Electrical conductivity of 2-pentene irradiated at 77°K during warming, 25:13027
OWCZARCZYK, Andrzej Energy transfer in the Al/Al_2O_3 system. I, 24:25703
Energy transfer in the Al/Al_2O_3 system. II, 25:2276
OWCZAREK, L. Use of radioactive ^{64}Cu in chronic liver diseases, 23:48109
OWCZAREK, Lucjan Metabolism of radioactive zinc in the liver damaged with C tetrachloride. III, 21:28368
Metabolism of radioactive zinc in the liver damaged with C tetrachloride. II, 21:28556
Radioactive copper metabolism in chronic liver diseases, 23:4894
OWCZARSKI, W. A. Relationship of microstructure to workability in a high strength nickel-base superalloy, 25:35500
OWEN, A. A. Determination of the branching ratio (eta $\rightarrow 3\pi^0$)/(eta $\rightarrow \pi^+\pi^-\pi^0$), 22:48208
OWEN, B. Application of general cavity ionization theory to the dosimetry of electron fields, 24:44482 (EUR-4452, pp 455-78)
OWEN, C. S. Inductive coupling of Josephson junctions to external circuits, 24:26136
Vortex structure and critical currents in Josephson junctions, 22:7247
OWEN, C. V. Effect of hydrogen on vanadium, 23:33960
Mechanical properties of polycrystalline erbium from 77° to 750°K, 23:3054
Mechanical properties of polycrystalline Yb, 24:39645
Mechanical properties of polycrystalline Sm, 25:55520
Relation of terminal solubility of hydrogen to ductility drop in vanadium, 23:14328
OWEN, C. W. High field measurements at 200 MHz in conventional proton linear accelerator geometries at 5, 50, and 130 MeV, 21:11834 (LA-3609, pp 176-82)
Operation of first section of NAL linear accelerator, 24:30659
Rf perturbation measurements in long linac cavities, 21:5432 (MURA-723)
Rf perturbation measurements in long linac cavities, 21:38031
OWEN, Charles A. Jr. Mathematical model for Cu metabolism and its relation to Wilson's disease, 21:20091
OWEN, Charles Scott Dc currents and ac inductive coupling in Josephson junctions, 25:14204
OWEN, D. G. 29.5 MeV dipole state of ^{12}C, 24:3864
Experimental measurements of vibrational splitting of the giant dipole resonance, 22:27222
Structure in giant resonance of ^{64}Zn and ^{63}Cu, 23:7271
Vibrational splitting of the giant dipole resonance. II, 24:20380
Vibrational splitting of the giant dipole resonance, 24:43298
OWEN, D. P. Backward peaks in elastic pion—proton scattering from 6 to 17 GeV/c, 21:37702
Elastic scattering of π^-, K^- and anti p from protons at 9.8 and 13.6 GeV/c, 23:3647
Elastic scattering of π^{+-}, K^-, and /anti p/ on H, 23:36852
High energy π^--p, K^--p, and anti p-p elastic scattering, 22:39271 (CERN-68-7(Vol.1), pp 571-9)
High-energy π^-—p, K^-—p, and anti p—p elastic scattering, 22:41746
Reaction $\pi^-p \rightarrow n\pi^0$ in backward hemisphere at 6 GeV/c, 24:26373
Structure in backward pion—proton elastic scattering from 6 to 17 GeV/c, 22:41744
OWEN, D. R. J. Nonlinear analysis of pressure vessels behavior including cracking, 25:31664 (EUR-4531, pp 697-734)
OWEN, Daniel Pitkin Backward pion—proton elastic scattering 6 to 17 GeV/c, 24:18095
OWEN, David Bibliography of triton induced reactions, 21:17317 (AD-640270)
OWEN, David A. Corrections to positronium hyperfine structure, 24:35174
Hyperfine structure of positronium, 25:55832
Order corrections to muonium hyperfine structure, 25:13990
OWEN, David Adolph Corrections to the positronium hyperfine structure of order $\alpha^2 \ln\alpha^{-1}$, 25:19484
OWEN, Derrek Fluorescence and scintillation properties of new oxazoles, oxadiazoles, and pyrazolines, 23:2599
OWEN, E. R. Control and transient performance of Dresden Nuclear Power Station, 23:32984 (DOCKET-50010-10)
OWEN, E. W. PWM control of servomotor with linear feedback, 21:45282 (UCRL-17617)
OWEN, F. E. Multipurpose radiation monitoring system, 23:13984 (DUN-SA-76)
Plutonium-238 to power the artificial heart, 24:6033 (DUN-SA-115)
OWEN, Frank E. Monetary gains from advancements in personnel radiation monitoring, 25:51121
OWEN, G. E. Development of Compton polarimeter with solid state detectors, 25:21484
Fabrication of large planar Ge(Li) detectors, 24:5901
Gamma ray polarimeters with Ge—Li detectors, 24:33882
Ge(Li) Compton effect gamma ray polarimeter, 23:50229
Polarization measurements of the gamma-ray transitions from the 1.459-MeV level in ^{19}F, 25:50654
OWEN, G. M. Apparatus for dispensing radioactive solutions, 21:20221
Medical radioisotope scanning, 25:29349
OWEN, George E. Differential cross sections and exchange effects in the reaction ^{19}F(d,n)^{20}Ne, 21:2634
Nuclear polarization in the ^{11}B(d,p)^{12}B reaction. I, 21:13812
OWEN, Guillermo Minimization of fatalities in a nuclear attack model, 24:32029
OWEN, J. B. Control of personnel exposures to external radiations in a plutonium chemical plant, 23:50552 (RFP-1254)
Estimation of ^{241}Am content in Pu, 24:48545
OWEN, J. H. Electrolytic dissolution of power reactor fuel elements, 24:22737
OWEN, J. J. T. Chromosome marker studies in the irradiated chick embryo, 21:45714
OWEN, Judith Differentiation of malignant from benign lesions, 23:50656
OWEN, K. E. Stabilization of magnet power supplies for NINA synchrotron, 22:11791
OWEN, L. N. Bone tumours in man and animals, 25:19136
OWEN, L. V. Method of producing purified refractory metal and alloy powders, 23:48356
OWEN, L. W. Electrodeposited nickel as a protective coating for uranium in unsaturated air near ambient temperature, 25:625
Exchange effects in the nucleon—nucleus optical potential, 25:12689
Form factors for inelastic scattering: code ATHENA IV, 23:49447 (ORNL-TM-2703)
Microscope study of the initiation of the hydrogen—uranium reaction, 21:16570
Multipole expansion of realistic effective interactions in nuclei, 25:34196
Optical model for scattering of nucleons from ^{4}He at energies below 20 MeV, 22:26802
Realistic interactions and exchange effects in the inelastic scattering of protons, 23:44920
Solution of a Schroedinger equation with a nonlocal potential, 24:20030
OWEN, Larry Wayne Realistic interactions and exchange effects in microscopic descriptions of elastic and inelastic nucleon scattering, 24:52649 (TID-25504)
Realistic interactions and exchange effects in microscopic descriptions of elastic and inelastic nucleon scattering, 25:31432
OWEN, N. L. Dipole moment and microwave spectrum of bromo-actetylene, 21:10356
OWEN, O. R. Description of 9 MW heat transfer rig, 24:25196 (AEEW-M-935)
Shielding for Dragon reactor experiment, 24:40945 (DP-Report-296)
OWEN, R. B. Calculated figure of merit for planar and co-axial germanium detectors, 25:48978
Cross-field photomultiplier with sub-nanosecond risetime suitable for nuclear studies, 22:28231
One and two dimensional position sensing semiconductor detectors, 22:40394
Performance of germanium detectors for gamma-ray spectrometry, 23:22085
OWEN, R. J. Nuclear damage and the ageing of seeds, 23:6416
OWEN, R. W. Photometric map of Milky Way, 24:42469 (BNWL-1419)
OWEN, Ray D. Genetic aspects of the immune response, 23:2738 (CALT-642-8)
Prog. rpt. on developmental immunogenetics, annual, 7/66—7/67, 22:12160 (CALT-642-3)
Prog. rpt. on studies in developmental immunogenetics, annual, 8/70, 24:50775 (CALT-767-P-6-3)
OWEN, Richard Bruce Improvements in or relating to methods of detecting charged particles, 21:30727
Improvements in semiconductor detector arrangements, 24:48289
Semiconductor radiation detector arrangements, 25:23822
OWEN, T. C. Radiation chemistry of cystamine sulphate, 22:2142
X-radiolytic destruction of lipoic acid in aqueous solution: chain reaction, 21:32193
OWEN, T. D. Irradiation dependent characteristics of AGR fuel, 22:22774
OWEN, T. J. Design and fabrication of a sodium purification loop, 22:47007 (BNWL-812)
OWEN, Terence C. Radiation chemistry of biochemical disulfides. I, 22:10271
Radiation chemistry of biochemical disulfides. II, 23:31374
Radiolytic oxidation of cysteine, 23:26302
OWEN, Tobias Abundance of H in the atmosphere of Jupiter, 22:52409
Atmosphere of Jupiter, 24:21512
OWEN, W. D. Electrical breakdown between a plasma and an electrode at a negative potential, 22:3037 (AWRE-O-78/67)
Electrical breakdown between erbium oxide, erbium deuteride, and molybdenum electrodes in vacuum, 23:27897 (AWRE-O-1/69)
Electrical breakdown in vacuum, 22:3159 (AWRE-O-77/67)
OWEN, W. H. Nuclear safety criteria for the design of stationary pressurized-water reactor plants, 24:33381
OWEN, W. L. Firehosing technique and equipment for removal of fallout from asphalt streets and roofing materials, 21:1455 (AD-640491)
Removal of simulated fallout from asphalt streets by firehosing techniques, 21:1732 (AD-641480)
OWEN, W. Leigh Design and application of a decontamination and dose control model system, 25:49207 (AD-714287)
Radiological reclamation performance summary. II, 23:26817 (AD-674863)
OWEN, W. S. Effects produced by adding Re to alloys of W and C, 25:4746 (AD-710275)
Equilibrium Cottrell atmosphere and the discontinuous yield in Ta—O, 21:4970
OWENS, A. J. Cosmic-ray modulation by an angle-dependent solar wind, 25:40398
OWENS, A. R. Nonlinear delay lines and their applications in nucleonic instrumentation, 21:17843
OWENS, Albert H. Jr. Syngeneic and allogeneic marrow transplants in the cyclophosphamide-pretreated rat, 23:47982
OWENS, Alvin J. Adaption of evolutionary programming to the prediction of solar flares, 21:11333 (N-66-21096)
OWENS, C. Complexes of diisopropyl methylphosphonate with metal salts containing complexing anionic groups, 24:16507
OWENS, C. M. Electron microscopy study of type-348 stainless-steel fuel-element cladding, 21:6848
Microstructural characterization of cold-rolled Zircaloy-4 sheet, 21:16621
Preparation of thin film specimens of irradiated stainless steel tubing, 24:8069 (CONF-670533-, pp 162-5)
OWENS, C. W. Oxidation states of recoil ^{54}Mn in crystalline potassium permanganate, 21:43000
OWENS, Charles W. Low temperature neutron irradiation facility, 21:1970 (AD-633307)
OWENS, D. R. Calibration methods for Dragon process gas chromatographs, 24:38709 (DP-Report-423)
Chromatographic methods of gas analysis in Dragon reactor, 24:41173 (DP-Report-374)
Differential concentration gas chromatograph for the analysis of low levels of impurities in He, 25:4012 (DP-Report-443)
OWENS, Donald W. Energy requirements for response of skin to monochromatic wavelengths of uv present in solar spectrum, 21:24570
OWENS, Frank Electron paramagnetic resonance in gamma-ray-irradiated niobium-doped calcium molybdate, 24:49256
Electron spin resonance of CN molecule trapped in irradiated K cyanate, 25:15679
OWENS, Frank James Paramagnetic resonance studies of irradiated alkali cyanates, 23:33230
OWENS, G. Chemotherapy of glioblastoma multiforme, 21:26537
OWENS, G. J. 16-GHz observations of eclipse, 24:37135

OWENS, G. R. Development of an automatic restart system for HFIR digital control and data acquisition system, 24:24881 (ORNL-TM-2787)
  Graphical display programs for HFIR digital control and data acquisition system, 24:24883 (ORNL-TM-2838)
  Mass memory program editor for HFIR digital control and data acquisition system, 24:24882 (ORNL-TM-2788)
OWENS, Guy Radioisotope (gamma) cerebral angiography, 22:28560
OWENS, H. D. Electron omnidirectional intensity contours in the Earth's outer radiation zone at the magnetic equator, 22:13348
  Low-energy proton omnidirectional intensity contours in earth's outer radiation zone at magnetic equator, 24:3239 (N-69-36249)
  Omnidirectional intensity contours of low-energy protons, 24:17811
OWENS, Harry D. Electron intensity contours in Earth's outer radiation zone, 23:14693
OWENS, J. Bit and byte vector operations and an introduction to STARTRAN, 25:51345 (UCID-30005)
  Bounds on energy levels and lifetimes of auto-ionizing states, 23:16676
  Two-dimensional stress-induced adiabatic flow. I, 25:44300 (UCID-30013(Pt.1))
  Two-dimensional stress-induced adiabatic flow. II, 25:44301 (UCID-30013(Pt.2))
  Two-dimensional stress-induced adiabatic flow. III, 25:44302 (UCID-30013(Pt.3))
OWENS, J. E. Operating experience with large sodium-cooled reactor plants, 21:27747
  SRE and HNPF operating and modification experience, 22:16185
OWENS, J. K. Penetrometer Project, 21:21834 (SC-DR-66-2715)
OWENS, James E. Design, analysis, and fabrication of shielded containers to transport HNPF fuel elements, 23:585 (CONF-681001-, pp 584-606)
OWENS, John R. Hemolysins in x-irradiated rabbits, 22:8469
OWENS, Ken High level or low level it's a rocky road for radwastes, 25:57001
  Nuclear power in a billion dollar stalemate, 24:4012
OWENS, Lillian K. Retention and elimination of the parent-daughter radionuclide pair ^{140}Ba—^{140}La by rats, 21:28395
OWENS, Michael S. Isotope snow gages for determining hydrologic characteristics of snowpacks, 21:36128
  Measurement of snowpack profiles with radioactive isotopes, 21:1449
  Portable radioactive isotope snow gages for profiling snowpacks, 21:4716 (TID-23368)
OWENS, Patricia Laser impacts on the skin, 23:12216
OWENS, R. A. Fine structure of alga Brachiomonas submarina bohlin after x- and γ-irradiation, 23:45957
OWENS, R. O. Absolute level densities from neutron inelastic scattering, 21:33912
  Decay modes of ^{16}O giant resonance states, 21:7705
  Decay modes of ^{16}O giant resonance states, 22:20474
  Gamma spectra from decay of residual states following photodisintegration of ^{16}O, 23:34717 (ANL-7282, pp 34-41)
  Level density of the deformed rare-earth nuclei, 22:27104
  Non-intercepting beam current integrator, 25:3517
  Photon spectrum form positron annihilation in flight, 23:12530
  Phototriton cross section of ^{6}Li, 22:29920
  Single-difference bremsstrahlung unfolding technique, 25:17624
OWENS, Thomas C. Extraction of some heavier lanthanides in acidic chloride solutions by di(2-ethylhexyl) phosphoric acid, 22:45157
OWENS, Thomas Charles Extraction of some heavier rare earths in acidic chloride solution by di(2-ethylhexyl) phosphoric acid, 22:6367 (IS-T-188)
OWENS, W. R. Coulomb excitation of 140-keV level in ^{193}Ir, 25:34106
  Gyromagnetic ratio of 129-keV state in ^{191}Ir, 24:11003
  Moessbauer effect in ^{167}Er following Coulomb excitation, 24:3946
  Moessbauer effect in ^{191}Ir and ^{189}Os, 21:38347
  Moessbauer effect of 129-keV state in ^{195}Pt, 23:49012
OWENS, William H. Separation of Hf and Zr values by solvent extraction, 21:3171
OWENS, William Raymond Preionization in closed-cycle magnetoplasmadynamic generator, 25:33104
OWENS, Williams Richard Gyromagnetic ratios of excited states in ^{193}Ir, 25:20462
OWINGS, Edward Accidental losses, write-offs, normal operating losses and material unaccounted-for, 25:48897 (Y-DG-1493)
OWINGS, J. H. CIRK: CTC's Information Retrieval from Keywords, 24:53037 (CTC-36)
OWINGS, Jack H. GENOUT: generalized output program for nuclear science reference data, 22:25212 (K-DP-3109)
  GENOUT: generalized output program for nuclear science reference data, 23:28657 (K-DP-3109(Rev.1))
OWINGS, W. D. SNAP-19 radiation measurements report, 22:10502 (MND-3607-173)
OWLYA, A. Analysis of the rare earths by irradiation with photons at high energies, 22:27591
OWMAN, Ch. Content of noradrenaline and 5-hydroxytryptamine in rat after ionizing radiation, 25:26959
OWNBY, Paul Darrell Surface studies in the vapor-solid system boron triiodide—tungsten, 22:27726
OWONO-N'-GUEMA, F. Perturbation theory for the degenerate case in the many-body problem, 24:38387
OWREN, Leif Short-term predictions on course of polar cap absorption, 24:51489 (AD-706410)
OWSIAK, T. Automatic activation analysis system (AAAS) with fast neutrons, 22:25319
  Determination of some kinematic flow characteristics of water/sand stowing mixture by means of radiometric measuring methods, 25:23737 (INP-717)
  Electron capture type detector, 24:46526 (INP-700)
OWSIAK, Tadeusz Design of a pulsed neutron source and bore-hole fast neutron generator, 22:43134
OWSIAN, G. Growth of tungsten single crystals from the gas phase by chemical reactions, 24:46756
OWSIANOWSKI, Miroslaw Effect of prenatal x-irradiation on respiration and glycolysis of the brain in ontogenic development, 24:41987
OWSLEY, G. F. Fuel and component reactivity testing in the Hanford Test Reactor, 25:41553
OWST, P. W. Abundance analysis of delta Scuti variable 20 CVn, 25:47208
OWSTON, Peyton W. Development of some radioisotope procedures for measuring water movement in trees, 23:47918 (TID-25136)
  Development of some radioisotope procedures for measuring water movement in trees, 24:29704
  Further development of radioisotope techniques for measuring water movement in large trees, 24:41722 (TID-25463)
OWZARSKI, P. C. Computer simulation of the radioactive waste solidification process off-gas system, 25:6517 (BNWL-SA-3008)
  FORTRAN-IV computer program for calculating transient heat transfer coefficients from wall temperatures, 22:8295 (BNWL-552)
OXBY, C. Effect of dietary calcium on the absorption and retention of radiostrontium, 22:12774
OXBY, C. B. Half-life of ^{47}Ca, 23:37155
  Measurement of ^{45}Ca in biological fluid, 22:16457
  Radiostrontium absorption in man: suppression by calcium and by sodium alginate, 22:28612
  Recovery of iodide—^{131}I from aqueous solutions of pH 5, 21:6003
OXENIUS, J. Approach to thermal equilibrium through interaction with black body radiation, 22:7176
  Effect of inelastic collisions on the tail of the electron velocity distribution, 24:17943
  Optically thin hydrogen plasma with self-consistent electron velocity distribution, 25:3102
  Polarization of photons scattered by atomic Raman effect, 25:40837 (EUR-CEA-FC-594)
OXLEY, J. H. Preparation of pure tungsten metal by reaction of tungsten hexacarbonyl with hydrogen and steam or carbon dioxide, 22:36447
OXLEY, Joseph H. Mass transfer during chemical vapor deposition at a cylindrical surface, 22:6958
OXLEY, Susanna S. Instrumental activation analysis of standard rocks with high-resolution γ-ray detectors, 22:25259
OXX, G. D. Jr. Tantalum base alloys with high strength, 23:27100
OYA, Akio Characteristics of a tapered cascade for isotope separation by gaseous diffusion, 22:25622
OYA, Gin-ichiro Superconducting transition temperatures of vapor-deposited niobium nitride, 25:38312
OYA, Hiroshi Ionospheric electron temperature measured by a gyro-plasma probe, 23:46368
  Ionospheric plasma disturbances due to a moving space vehicle, 24:42563
  Irregular type sporadic-E observed at temperature latitude, 22:22061
  Modified plasma resonance, 23:18520
  Recombination coefficient of regions, 21:41911
  Rocket measurement of the ionospheric plasma by gyro-plasma probe, 21:41910
  Rocket observation of the ionosphere in twilight conditions, 23:46364
  Sequence of diffuse plasma resonances observed on Alouette 2 ionograms, 24:45100
  Theoretical prediction on discrimination of modified and hybrid plasma resonances, 23:3375
OYA, Kazumi Reactivities of radiation-protective aminoalkylisothiuronium salts. I, 21:8856
OYA, Keiji Plasma injection into a curvilinear magnetic field, 24:40117
OYA, Kiroshi Quadruprobe for dc electric field measurement in space, 22:31699
OYAMA, A. Program and the present status of fast breeder reactor development in Japan, 25:54043 (A/CONF.49/P-819)
  Recent reactor physics activities in Japan, 23:4420
OYAMA, Akira Activities in O-arai engineering center of the power reactor and nuclear fuel development corporation, 24:50193
  Analysis of fast reactor core meltdown accidents, 22:53391
  Direction of development of power reactors, 25:23240
  Distribution of heat-transfer rate in eccentric double-pipe and grouped tubes, 23:19587
  Dynamic analysis of large fast reactor, 22:6027
  Effects of multiple control rods, 23:40456
  Energy modal synthesis method in fast reactor analysis, 25:20709
  Fission product gas release due to fuel cladding failure, 24:26796
  Heat transfer coefficients for axial air flow through eccentric annulus, 23:24377
  On the two-point approximation equation of reactor kinetics, 21:40360
OYAMA, Cho Present state of laboratories for radioactive isotopes in national universities of Japan, 23:45481
OYAMA, Kiyoshi Determination by x-ray fluorescence of barium and strontium in barium carbonate of industrial grade, 25:26167
  Determination of tantalum by x-ray fluorescence analysis in treated tin slag, 23:6083
  Rapid determination of Nb, Zr, Mn, Cr, V, and Ca, 24:11435
OYAMA, Koichiro Effect of electron heating on the electron temperature probe, 23:44400
OYAMA, Shinichi Characteristics of built-in once-through type steam generator, 24:44161 (CONF-700211-4)
OYAMA, Toshiyuki Separating ^{235}U by molecular distillation of uranium hexaethoxide, 21:17734
OYAMA, Yoshitoshi Safety countermeasures in spent-fuel reprocessing plants, 23:24289
OYAMADA, Hiyoshimaru Estimation of pulmonary blood flow by ^{131}I-MAA pulmogram, 22:45702
OYAMADA, M. Electroexcitation of the 10.8-MeV level of ^{12}C and the 7.12-MeV level of ^{16}O, 23:19182
  Electroexcitation of the giant resonance in ^{12}C, 24:30706
  Excitation of the giant resonance in ^{12}C by inelastic electron scattering, 25:5572
  Neutron Debye—Scherrer diffraction works using linear electron accelerator, 23:30881
  Study of nuclear states in ^{40}Ca by inelastic electron scattering, 25:7842
  Study of nuclear states in ^{58}Ni by inelastic electron scattering, 24:10961
  Time-dependent spectra in small BeO assemblies, 25:48335
OYAMADA, Masayuki Photoprotons from ^{23}Na, ^{31}P, ^{32}S, ^{40}Ca, ^{55}Mn, and ^{56}Fe, 22:53158
  Pile physics experiment by means of TOF neutron diffraction, 25:28769
  Study of atomic nucleus by electron scattering, 25:10014
  Study of nuclei by electron scattering, 25:59736
OYAMADA, Rokuro Nuclear calculation method of the JMTR core, 25:15391 (JAERI-Memo-4180)
OYAMADA, Ryozo Cryoscopic studies on fused NaCl, KCl, and mixture of both salts containing each of $BeCl_2$, $ThCl_4$, and UCl_4, 23:26237
  Liquid molar volumes in $ThCl_4$—NaCl systems, 23:45251
OYAMADA, Y. Photoprotons from Na, P, S, Ca, Mn, and Fe, 22:27076
OYAMADE, Rokuro JFM: code for JMTR fuel accountability, 25:37065 (JAERI-Memo-4270)
OYANAGI, Yoshio F/sub π//F/sub K/ ratio and πK scattering amplitude, 24:1562
  K/sub l3/ form factors of the Veneziano type, 25:5338
  Meson form factors and Veneziano model, 24:37728
  Possible 27-plets in baryon resonances, 22:35063
  Possible zero at a wrong-signature sense point in backward π^-p elastic scattering, 22:44447
  Veneziano amplitudes for first-excited scalars, 25:36592
  Veneziano-type formula for pion electromagnetic form factor, 24:8645
  Weinberg sum rules with Veneziano residues, 24:47445
OYEFESO, J. A. Assessment of cortisol binding capacity by plasma, 24:29660
OYEN, Larry C. Radiation surveillance: monitoring the environs of a nuclear station, 24:48556
OYINLOYE, J. O. Equatorial E/sub s/ and daytime blanketing E/sub s/ drifts at Ibadan, 23:51465
  Occurrence of equatorial type E, 23:51462
OYLER, Dee E. Prog. rpt. on solid—liquid phase equilibria in Na—Cs system, 9/69—8/70, 24:33571 (COO-1707-7)
  Solid—liquid phase equilibrium in Na—Cs alloy system, 25:24599
OYO, Hiroshi Plasma measurements in the upper atmosphere with the impedance probe, 22:7211
OYOLA, Luis Rivera HCl radiolysis in a nuclear reactor, 23:31385
OYOSHI, Akira Hot-atom chemistry of bromine. II, 23:49871
  Investigation of isotope analysis by activation analysis, 22:33288
OYOSHI, Shigeo Effects of steroid hormones and ^{60}Co γ irradiation on growth of HeLa cells, 21:43447
OYVIN, I. A. Effect of phlogodym (neodymium pyrocatechol disulphonate) on inflammation caused by beta-rays in the rabbit, 21:34709
  Participation of kinins in pathogenesis of early disturbances in skin capillary permeability in local β-ray irradiation, 22:21543
  Qualitative leucocyte changes due to total x-ray irradiation, 25:26901
OZA, P. M. Amaranth as low-level γ dosimeter, 24:36631
  Ammonium molybdate as dosimeter for γ-radiations, 21:10682
  Mercuric chloride as low level γ-ray dosimeter: radiolytic and photolytic constants at various pH, 22:28185
  Radiation induced conversion of ammonium thiocyanate to thiourea, 22:2122
OZAIR, V. Development of a sensitive gamma counter direct-reading in flux and dose rate, 22:30830
  Sensitive Geiger—Mueller detector reading flux and dose rate directly, 23:14014
OZAKI, Atsumu Effective site on acid catalysts revealed in n-butene isomerization, 21:10350
  Gas chromatographic determination of reversible adsorption of H. VI, 22:27668
  Gas chromatographic determination of reversible adsorption of H. X, 25:39481
  Hydrogenation of ethylene over cobalt oxide, 25:15583
  Isotope effect of ammonia synthesis over unpromoted Fe catalyst, 23:17410
  Kinetics and isotope effect of ammonia synthesis over ruthenium, 24:16491
  Kinetics and isotope effect of ammonia synthesis over a singly-promoted iron catalyst, 25:15621
  Mechanism and isotope effect in ammonia synthesis over molybdenum nitride, 23:37942
OZAKI, H. Ultrasonic attenuation in the mixed state of superconducting vanadium, 23:8558
OZAKI, Hiroyuki Examination of human diaphragms for trichinosis in Hiroshima and Nagasaki, 24:23296
OZAKI, Kazuhiko Low energy limit of photopion-production amplitudes, 23:39648
  Low-energy theorems for Compton scattering of isovector photon from spin 0 systems in chiral dynamics, 22:50330
  P-wave decays of hyperons and axial vector mesons, 22:7477 (OU-LNS-67-7)

P-wave decays of hyperons and axial vector mesons, 22:9571
Partial wave amplitudes of reaction $\pi^- + p \rightarrow eta + n$, 22:17961
Two-body weak-electromagnetic hyperon decays, 25:12169
Weak radiative decays of hyperons and partially conserved tensor current, 22:32113
OZAKI, N. Temperature distribution of the high-pressure sodium-vapour discharge plasma, 25:47521
OZAKI, Norihiko Cyclotron resonance and nonadiabatic trapping in mirror machine, 22:15512
Nonadiabatic trapping of high-energy H ions in a magnetic mirror machine, 22:15509
OZAKI, S. Experimental test of the pion—nucleon forward dispersion relations at high energies, 21:33700
High-energy, small-angle, p—p and anti p—p scattering, and p—p total cross sections, 21:44262
High-precision π^{+-}-p total cross sections from 8 to 29 GeV/c, 21:37708
Inelastic interactions induced by 5 GeV/c muons in nuclear emulsion, 22:22289
Lateral distribution of muon pairs in underground cosmic-ray showers, 25:12082
N^* production in π^{+-}-p and p—p interactions, 21:37701
Observation of K^0K^- mass spectrum in A_1-meson region, 25:17394
Operational experience with the Brookhaven On-Line Data Facility, 25:13289 (CERN-70-21(Vol.2), pp 921-30)
Production of K^+ mesons in 2.85- and 2.40-GeV p—p collisions, 22:26558
Test of the pion—nucleon forward dispersion relations, 23:36851
OZAKI, Satoru Oxidation of thorium nitrides, 25:16560
OZAKI, Shoji Canonical field theory of chiral symmetry, 23:39799
Current as dynamical variables, 24:40384
OZAKI, Takeshi Synthesis of (o-oxalophenylazo)chromotropic acid and stability constant of its Th chelate, 25:18382
OZAKI, Yasuo Effect of conducting wall on a strong magnetized positive column, 22:52818
OZANNE, P. G. Calcium uptake by subterranean clover bur shown by using ^{45}Ca, 25:26614
OZARD, J. M. Efficiency of focused electron impact ion source, 23:21209
OZARDA, A. T. New technical application of total pelvic telecobalt irradiation, 24:34540
OZARDA, Ahsen T. Preoperative radiation for advanced malignant tumors, 21:22558
OZAWA, K. Anomalous ductility of LiF crystals at low temperatures, 23:3615
Anomalous energy losses of 1.5-MeV protons channeled in silicon, 22:17812
Channeling of 1.5-MeV protons in alkali-metal halide crystals, 24:21877
Measurement of nuclear reaction times by the use of the blocking effect, 24:52493
New infrared absorption in neutron-irradiated lithium fluoride, 21:2303
R/sub N/ and N centers in NaF crystals irradiated with protons, 22:44250
Temperature effects on channeling of protons in silicon crystal, 23:32573
OZAWA, Kunio Induced absorption band in N region of LiF crystals by charged-particle irradiation, 24:3456
Induced color centers in CaF_2 irradiated with neutrons, 22:15630
Reaction time measurement by using blocking effects in single crystals, 24:20347 (JAERI-1184, pp 141-5)
Zero-phonon lines and phonon coupling in neutron-irradiated MgO crystals, 22:15643
OZAWA, Lyuji Evidence of energy transfer from pair Gd ions to other rare earths in Y—Gd oxide crystal, 23:3573
Gamma thermoluminescence in rare-earth-activated Y_2O_3 phosphors, 23:2677
Quantitative determination of rare earths in yttrium oxide by spectrophotoluminescence, 22:8025
OZAWA, Masayoshi Amplification of microwaves by the interaction of an electron beam with a cesium plasma, 22:9322
OZAWA, R. Luminescence of trace rare-earths introduced into Y_2O_2S, 23:10702 (UCRL-Trans-10259)
OZAWA, Ryuji Photoluminescence of rare earth elements in Y_2O_3, 23:2199
OZAWA, Shuji Japanese research in physics and chemistry index and translated contents of Busseiron—Kenkyu (1943-62), 21:12385 (UCRL-14288)
OZAWA, Takayuki Adenosine monophosphate as the first phosphoryl acceptor in oxidative phosphorylation, 21:16283
OZAWA, Y. Elimination of beam-defocusing effects due to filament magnetic fields in the electron gun of a linac, 21:19125
Pulse radiolysis of styrenes, 24:31382
OZAWA, Yasutaka Vapor—water partition coefficient of iodine and organic iodides, 24:4353 (ORNL-tr-2255)
OZAWA, Yasutomo Application of information theory to pulsed nuclear radiation measurement, 22:21324
Feedback-type detection system for pulsed radiation measurement, 25:42087
Pulse radiolysis with electric conductivity, 23:49851
Time optimum control for reactors with two kinds of internal feedback, 21:10160
OZBEK, Nurinnisa Neutron-moisture meter in studies of the effect of fallow on water conservation in arid regions, 22:23150
OZBIRN, Willie Paul Crystal structure determinations of perchlorate and chloride of pentaaminecyanocobalt(III)$^{2+}$, 1,2,5-triphenylphosphole, and 1,2,5-triphenylpyrrole, 25:51298 (IS-T-477)
OZEKI, M. Colored scintigram (multiscintigram system), 22:38389
OZEKI, Miichiro Medical data for therapy of a 13-MeV linear accelerator. I, 23:35829
OZEKI, Saburo Removal of radioactivity from water, 24:27218
OZEMRE, A. Y. Utilization of TR-1 research reactor of Cekmece Nuclear Research Center, 25:28776
OZEMRE, Kamuran Spectral study of star HD 217050, 21:37073
OZENDA, P. Chlorella, 24:34757
Role of plants in continental radio-ecology, 23:29417 (AEC-tr-7038)
Role of plants in continental radioecology; the case of the Grenoble site, 22:19302
OZENDA, Paul Cartographical representation of natural biological systems, 24:41792
Radiobiology of chlorophyllic microorganisms, 21:20438
OZER, Harvey L. Serological analysis of isoantigenic variants from mouse tumors, 21:22682
OZER, Joy H. Serological analysis of isoantigenic variants from mouse tumors, 21:22682
OZER, Odelli Analysis of exponential experiments with lattices of plutonium in heavy water, 25:31661
Analysis of the BNL Pu—Al—D_2O lattice experiments, 24:7217
Deep penetration of neutrons in attenuating media, 23:17051
OZERAN, A. E. ZrO_2-base cermet cold cathodes, 23:12402
OZERNOI, L. M. Analysis of the nature of a quasar nucleus from statistical properties of its optical variability, 23:5154
Angular variations in the background radiation, 23:34255
Character of optical luminosity fluctuations of 3C 273, 22:29057
Dynamical parameters of galaxies as a consequence of cosmological turbulence, 25:19443
Few remarks on gamma radiation and the chemical composition of quasars, 25:16669
Formation of protogalaxies. II, 23:36459
Fragmentation of matter in a turbulent metagalactic medium. I, 22:36592
Galactic parameters as a consequence of cosmological turbulence, 25:13932
Magnetic field of a rotating cloud and magneto-rotational explosions, 25:35819
N galaxies as a metagalactic population, 24:32587
Optical variability of 3C 273, 24:30087
"Photon storms" in the hot universe, 22:45879
Place of quasars among metagalactic populations, 24:51302 (CSIRO-Trans-10208)
Possibility of a pulsed mass outflow from a rotating magnetic star, 25:58431
Quasar-like phenomena and accumulation of intergalactic gas by galaxies, 24:48971
Reabsorption of synchrotron radiation in an inhomogeneous source, 25:47239
Spectrum and polarization of source of synchrotron emission, 23:27263
Theory for the formation and structure of quasi-stellar radio sources, 21:563
Traces of photon eddies, 24:10358
Variable radiation in a magnetodynamic quasar model. II, 24:25867
Variable radiation in magnetodynamic quasar model. I, 22:7089
OZERNOY, L. M. Is a quasar nucleus a star cluster or a single body, 21:39775
Relativistic phenomena by observation of nonthermal cosmic sources, 22:43686
OZEROFF, W. J. Energy resolution considerations in time of flight spectral measurements, 21:25414
OZEROV, E. B. Excited nuclear states during capture of negative muons by carbon and oxygen, 24:38117
Excited states of nuclei in negative muon capture by carbon and oxygen, 24:8841 (JINR-P15-4745)
Investigation of the reaction $pp \rightarrow \pi^+ np$ at 650 MeV, 25:17370 (JINR-P1-5570)
Time structure of particle beams extracted from JINR synchrocyclotron, 21:9879
OZEROV, L. N. Magnetless transit-time mass spectrometers, 22:47427
OZEROV, R. P. Crystal structure of Ti_2ZrO suboxide, 23:6745
Investigation of water molecules dynamics in crystallohydrates by inelastic neutron scattering, 22:38719 (INP-601/PS)
Neutron-diffraction investigation of hematite in magnetic field to 120 kOe on pulsed fast reactor, 24:3458 (JINR-P14-4548)
Systematic extinctions of reflections in coherent magnetic scattering of slow neutrons, 21:42161
X-ray- and neutron-diffraction study of ordering in some alloys of the titanium—zirconium—oxygen system, 25:27297
OZEROV, Ruslan P. Magnetic neutron diffraction, 24:37555
OZEROV, Yu. V. Measurement of energy spectra of electrons and photons in spark chambers, 23:45552
Observation of γ quanta greater than 100 MeV from 3C 120, 25:35700
OZEROVA, G. A. Primary photochemical reaction in irradiation of congealed ethanol solutions of triphenylamine, 21:21976
OZEROVA, G. P. Extractive photometric determination of niobium, 22:45015
Kinetics of zirconium extraction by β-diketones, 23:6213
OZEROVA, N. A. Mercury in meteorites, 25:19303
OZEROVA, V. V. Adrenal function in some occupational diseases, 24:48578
OZERSKII, M. I. Comparison of energy lethal doses of gamma radiation, visible light, and cellular basal metabolism, 24:50767
Effects of x radiation on permeability of alga Nitella flexilis to ^{22}Na ions, 23:24765
Mechanisms of the change in the permeability of the membrane structures of the cell under the action of ionizing radiation, 23:29366
OZERYANAYA, I. N. Corrosion of zirconium in molten chlorides of alkali metals, 22:2583
Effects of water vapor on zirconium corrosion in fused equimolar sodium and potassium chloride mixture, 21:41537
Metallic Zr reactions with molten Na, K, and Cs chlorides, 21:26756
Molybdenum and BM-1 alloy corrosion in molten fluorides, 21:22846
OZEVICH, Z. Corrections of order αZ to muon capture in ^{12}C, 23:3938 (JINR-E4-4034)
OZHIGOV, L. S. Recrystallization of copper reinforced with tungsten, 25:58285
Thermal expansion of a copper—tungsten composite, 25:42873
OZHIMKOVA, O. V. Certain physicochemical properties of alloys with 90 weight percent W with Mo, Nb, and Ta, 24:48843
Investigation of some physicochemical properties of alloys of the Nb—W—Mo—Ti system, 22:38551
Partial phase diagram and physical properties of the system Nb—W—Mo—Ti—Cr—Zr—Al in the Nb-rich region, 23:30069
Phase studies of system W—Mo-Ta, 25:37974
OZIASHVILI, E. D. Investigation of the separation of nitrogen and oxygen isotopes by nitrogen oxide distillation, 21:19739
Production of ^{13}C by carbon monoxide rectification, 22:51001
OZIER, Irving Pure rotational spectrum and electric dipole moment of CH_3D, 24:9301
Theory of nuclear hyperfine interactions in spherical-top molecules, 22:9055
Theory of the collision-induced rotational spectrum of tetrahedral molecules, 24:29297
OZIEVICH, Z. Recoil nuclei asymmetry in capture of μ mesons by ^{11}B nucleus, 25:39103
OZIEWICZ, M. Description of N-theta sector in Lee model, 25:28067
Lee model with V particle having continuous mass spectrum and energy-conserving V—NTHETA vertex, 25:43671
OZIEWICZ, Z. Angular correlations in radiative muon capture, 22:11987
Angular correlations in unique muon capture by spin targets, 22:7638 (JINR-E2-3600)
Angular correlations in unique muon capture by spin targets, 22:53132
Corrections of order αZ to μ^- capture by ^{12}C nucleus, 23:39945
Electric dipole moment of spinor particles and electromagnetic CP-violation, 22:39450 (JINR-E2-3801)
Electric dipole moment of spinor particles and electromagnetic CP-violation, 23:25667 (CERN-69-7, pp 343-8)
Gamma—gamma correlation in radiative nuclear muon capture, 24:52686
Muon capture in ^{14}N, 25:12386
T-nonconservation in nuclear muon capture, 21:27405
OZIN, G. A. Raman spectra of chlorofluorosilanes in gaseous, liquid, and solid state; anomalous ^{35}Cl, ^{37}Cl isotope intensity effects in splitting of totally symmetrical SiCl stretching mode in $SiCl_3F$ and $SiCl_2F_2$, 25:26218
OZIRANER, S. N. Electrolytic separation of hydroxide deposits of rare-earth elements, 25:256
OZISIK, M. N. Dispersion of fission products from laminar streams in open- and closed-loop conduits, 22:16721
Effects of condensation on removal of fission products from steam-air mixtures, 23:4451
OZISIK, M. Necati Diffusion of radioactive molecules from stagnant gas in containment vessels, 21:7969
Prog. rpt. on effects of geometry for deposition of radioactive molecules from stagnant gas in containment vessels, 8/66, 21:14103 (ORO-3414-2)
Prog. rpt. on effects of non-quiescent atmosphere in containment vessels on dispersion of fission products, 4/67, 21:35588 (TID-23868)
Prog. rpt. on effects of radioactive molecules from stagnant gas in containment vessels, 8/66, 21:1331 (TID-23351)
Theory of diffusion tubes, 21:6136
OZIZMIR, E. Nonlinear interaction of electromagnetic waves in a cold magnetized plasma, 22:41600
OZIZMIR, Ercument Electromagnetic properties of a half-space relativistic plasma, 25:19740
Mode coupling at the boundary of a relativistic collisionless plasma, 24:21835
Wigner method in quantum statistical mechanics, 21:40294
OZOL, A. A. Uv-sensitive mutants of Chlorella vulgaris, 25:55172
OZOL, A. M. After effects of seed ionizing irradiation prior to sowing on growth and productivity of maize in generation M_1, M_2, and M_3, 22:33980
Chromosome aberrations and morphological and physiological modification in maize grown from irradiated seed, 21:36547
Effect of seed irradiation on maize growth and productivity, 21:18182
OZOLA, S. M. Effects of gamma rays on peppermint, 21:22800
OZOLS, A. E. Neutron-activation autoradiographic studies of gold distribution in band-shaped germanium dendrites, 22:30498
OZOLS, R. Ya. Heat exchange in turbulent motion in the presence of a transverse homogeneous magnetic field, 22:9148
OZONO, Noboru Chronic granulocytic leukemia with special reference to A-bomb survivors, 25:18963
Chronic granulocytic leukemia with special reference to A-bomb survivors, 25:24437
Hematological effects of 14.1-Mev neutrons in mice, 21:8967
OZOOG, J. Concerning rhenium nitrogen fluoride and technetium nitrogen fluoride, 25:15639

OZRETIC, B. Turnover of ^{65}Zn during early embryonal development of sea urchin Pracentrotus lividus Lam, 23:20106
OZRETIC, Bartolo Loss of ^{65}Zn in mussel, 23:41221
OZRIN, V. D. Utilization of two-time temperature formalism for studying quasiparticle excitations of high density Fermi-gas systems, 25:33508
OZSGYANI, M. Measurement of the activity of high-activity ^{60}Co solid sources by the application of nuclear photo effect, 21:4589
OZSVATH, Istvan Application of spinors and other representations of Lorentz group to general relativity, 23:25695 (AD-677344)
  Dust-filled universes of Class II and Class III, 24:51380
  Finite rotating universe, 24:3138
  Homogeneous Lichnerowicz universes, 21:18846
  Spatially homogeneous rotating world models, 25:52585
  Two rotating universes with dust and electromagnetic field, 21:7422
OZVEAMINIAN, Kazem Action of cosmic rays on heavily doped semiconductors, 23:31594 (CEA-Bib-137)
  Tunnel diode amplifiers and their background noise, 23:41091 (CEA-R-3709)

COLLECTIONS OF USAEC REPORTS IN COUNTRIES OTHER THAN THE UNITED STATES

ARGENTINA
Buenos Aires, Comisión Nacional
de Energía Atomica

AUSTRALIA
Canberra, National Library of Australia
Sutherland, New South Wales
Atomic Energy Research Establishment

AUSTRIA
Vienna, Zentralbibliothek der
Physikalischen Institute der Universität

BELGIUM
Mol-Donk, Centre d'Etude de l'Energie
Nucléaire

BRAZIL
Rio de Janeiro, Comissao Nacional
de Energia Nuclear
São Paulo, Instituto de Energia Atomica

CANADA
Chalk River, Ontario, Atomic Energy
of Canada, Ltd., Chalk River
Ontario, McMaster University
Ottawa, National Research Council
Vancouver, B.C., University of British
Columbia Library

DENMARK
Risö, Danish Atomic Energy Commission

FINLAND
Otaniemi, Teknillinen Korkeakoulu

FRANCE
Saclay, Gif-sur-Yvette, Centre
d'Etudes Nucléaires de Saclay

GERMANY, WEST
Leopoldshafen, Zentralstelle für
Atomkernenergie Dokumentation
Munchen, Technischen Universitat

GREECE
Athens, Nuclear Research Center,
Democritus Library

INDIA
Bombay, Trombay, Bhabha Atomic Research
Center Library

IRAQ, REPUBLIC OF
Baghdad, Atomic Energy Commission,
Nuclear Research Instituto

IRELAND
Dublin, University College

ISRAEL
Yavne, Israel Atomic Energy Commission,
Soreq Nuclear Research Centre

ITALY
Rome, Centro di Studi Nucleari
della Casaccia

JAPAN
Tokyo, National Diet Library
Tokai-Mura, Naka-gun, Ibaraki-ken,
Japan Atomic Energy Research Institute

KOREA, REPUBLIC OF
Seoul, Atomic Energy Research Institute

MEXICO
Mexico, D. F., Comisión Nacional
de Energía Nuclear

NETHERLANDS, THE
Petten, Holland, Reactor Centrum
Nederland
The Hague, Bibliothek Octrooiraad

NORWAY
Kjeller, Institutt for Atomenergi

PERU
Lima, Junta de Control de Energia Atómica

PORTUGAL
Sacavem, Junta de Energia Nuclear

SOUTH AFRICA, REPUBLIC OF
Pretoria, Atomic Energy Board Library

SPAIN
Madrid, Junta de Energia Nuclear,
Ciudad Universitaria

SWEDEN
Nyköping, Aktiebolaget Atomenergi
Library

SWITZERLAND
Zürich, Swiss Federal Institute of
Technology

UNITED KINGDOM
Harwell, Didcot, Berkshire, Atomic
Energy Research Establishment
London, National Reference Library

IN INTERNATIONAL AGENCIES

EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM)
Brussels, Belgium
Ispra Varese, Italy, Cetis Library

OECD NUCLEAR ENERGY AGENCY (NEA)
National Lending Library for Science and
Technology, Boston Spa, Yorkshire,
England

INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA)
Vienna, Austria

INDEX

I
N
D
E
X